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: ICAL042518 **Instrument ID:** SI7147Q

Primary Analyst Initials JG **Date** 4/26/18 **Method** ASBPROC800PFAS

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: PFDA, PFDA(m+6), and PFDS r^2 value < 0.98 and PFDA + PFDS have at least one point outside the 30% range. ICV fails low for PFDS and PFTeA. This curve is associated w/ samples from work orders E181403 & E181406 and projects 18-0350/18-0347 as well as QC reruns from batch 1804008 + 1804006 JG 4/26/18

Secondary Analyst: **Initials** JV **Date** 4/26/18

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-3 PFDA, PFDA(m+6), PFDS cal. criteria not met; PFDA & PFDS outside 30%

QC-5 PFDS, PFTeA ICV fails low (ICV@500ng/L)

Sample ID	Acquisition Time	Acquisition Date
20180425_Instrument Blank_1	7:54:50	25-Apr-18
20180425_Instrument Blank_2	8:17:15	25-Apr-18
20180425_8041730_20ngL	8:39:41	25-Apr-18
20180425_8041729_40ngL	9:02:08	25-Apr-18
20180425_8041728_80ngL	9:24:39	25-Apr-18
20180425_8041727_100ngL	9:47:08	25-Apr-18
20180425_8041726_200ngL	10:09:38	25-Apr-18
20180425_8041724_400ngL	10:32:06	25-Apr-18
20180425_8041723_600ngL	10:54:38	25-Apr-18
20180425_8041722_800ngL	11:17:04	25-Apr-18
20180425_8041721_1000ngL	11:39:30	25-Apr-18
20180425_8042503_500ngLSS	13:09:22	25-Apr-18
20180425_Instrument Blank 3	13:31:52	25-Apr-18
20180425_Instrument Blank 4	13:54:21	25-Apr-18
1804058-BLK1	14:16:54	25-Apr-18
1804058-BLK2	14:39:23	25-Apr-18
1804058-BS1	15:01:56	25-Apr-18
1804058-PS1	15:24:22	25-Apr-18
1804006-BS1_1	15:46:48	25-Apr-18
1804008-PS1_1	16:09:14	25-Apr-18
E181403-01	16:31:42	25-Apr-18
E181403-02	16:54:10	25-Apr-18
E181403-03	17:16:38	25-Apr-18
E181403-04	17:39:06	25-Apr-18
E181403-05	18:01:38	25-Apr-18
E181403-06	18:24:03	25-Apr-18
E181406-01	18:46:29	25-Apr-18
E181406-02	19:08:56	25-Apr-18
E181406-04	19:31:22	25-Apr-18
E181406-05	19:53:51	25-Apr-18
E181406-06	20:16:21	25-Apr-18
E181406-07	20:38:50	25-Apr-18
E181406-08	21:01:20	25-Apr-18
E181406-09	21:23:46	25-Apr-18
E181406-10	21:46:12	25-Apr-18
1804058-MS1	22:08:40	25-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, 18-0347), Chemours - rain water (18-0350)
Jordan Lake PFAS (18-0301)
WO: E181403, E181406, E181305, E181301 Batch: 1804058, 1804008, 180400
Analyst: J. Giles
Instrument name: S ITHTQ

Sample ID	Acquisition Time	Acquisition Date
1804058-MSD1_1	9:08:10	26-Apr-18
20180425_CCV_CLOSE2	9:32:10	26-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.**
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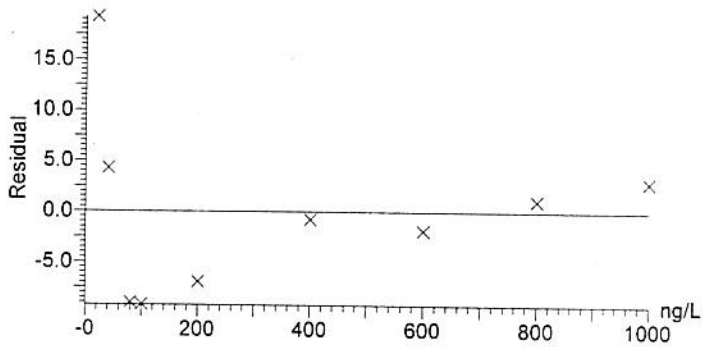
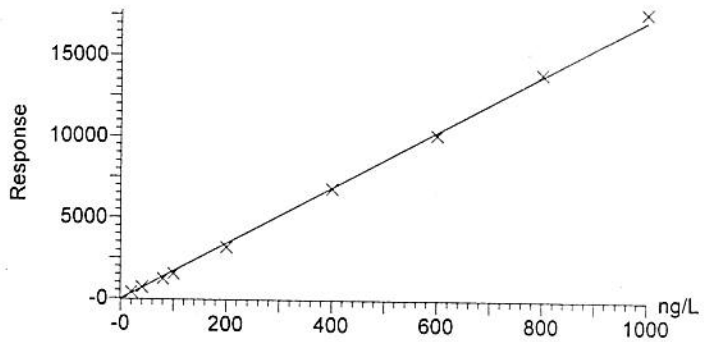
Jordan Lake PFAS (18-0301)
WO: E181403, E181406, E181305, E181301 Batch: 1804058, 1804008, 180400E
Analyst: J. Giles
Instrument name: S ITHTQ

Quantify Calibration Report **MassLynx 4.1 SCN919**
Instrument Name: S ITHTQ User: JG
Dataset: C:\MassLynx\PFAS_2016.PRO\20180425_ICAL.qld
Last Altered: Thursday, April 26, 2018 10:20:42 Eastern Daylight Time
Printed: Thursday, April 26, 2018 10:22:32 Eastern Daylight Time

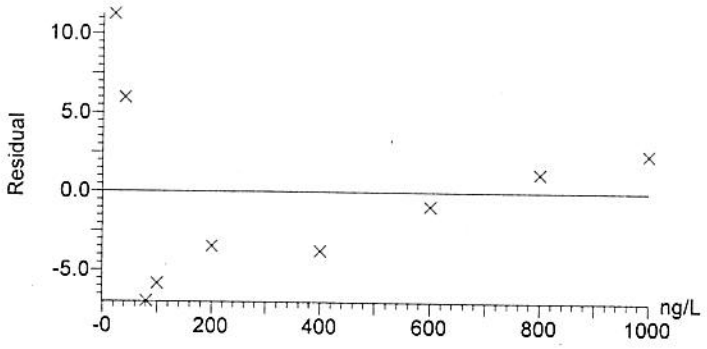
Method: C:\MassLynx\PFAS_2016.PRO\MethDB\PFAS_20180425.mdb 25 Apr 2018 10:51:51
Calibration: C:\MassLynx\PFAS_2016.PRO\CurveDB\PFC_20180425.cdb 26 Apr 2018 10:20:42

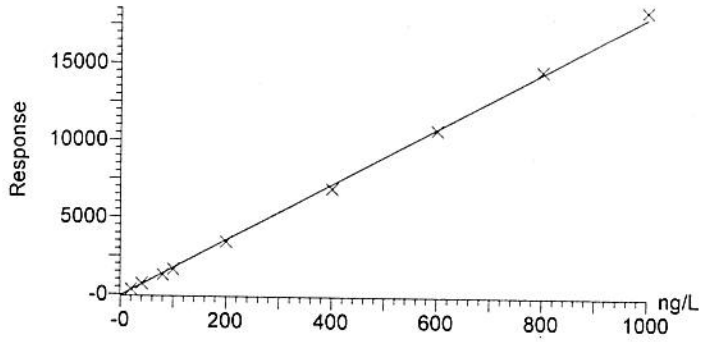
Compound name: PFBA
Correlation coefficient: r = 0.999106, r^2 = 0.998214
Calibration curve: 17.2606 * x + -27.2899
Response type: External Std, Area
Curve type: Linear, Origin: Exclude, Weighting: 1/x, Axis trans: None



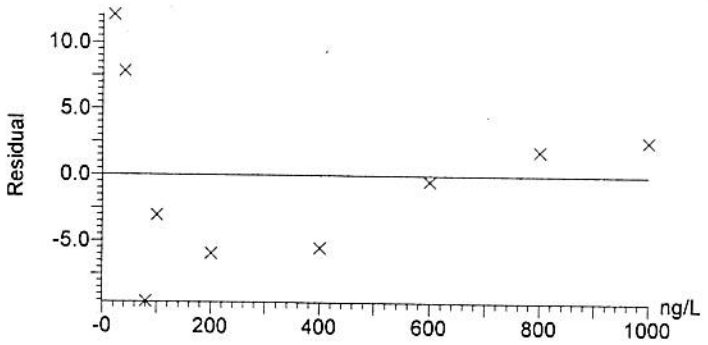


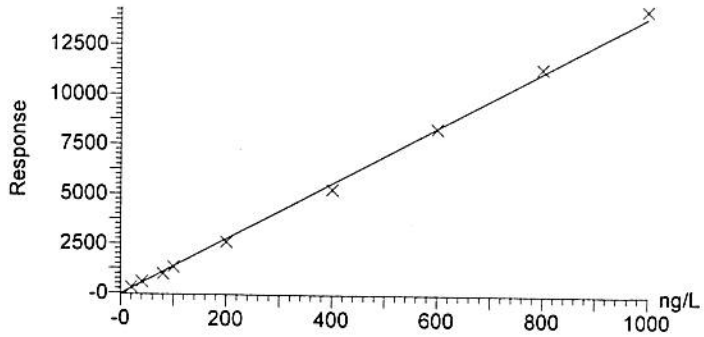
Compound name: PFBA (M+4)
Correlation coefficient: r = 0.999465, r^2 = 0.998930
Calibration curve: 18.1176 * x + -52.9923
Response type: External Std, Area
Curve type: Linear, Origin: Exclude, Weighting: 1/x, Axis trans: None





Compound name: PFPeA
Correlation coefficient: r = 0.999145, r^2 = 0.998291
Calibration curve: 14.0018 * x + -27.045
Response type: External Std, Area
Curve type: Linear, Origin: Exclude, Weighting: 1/x, Axis trans: None





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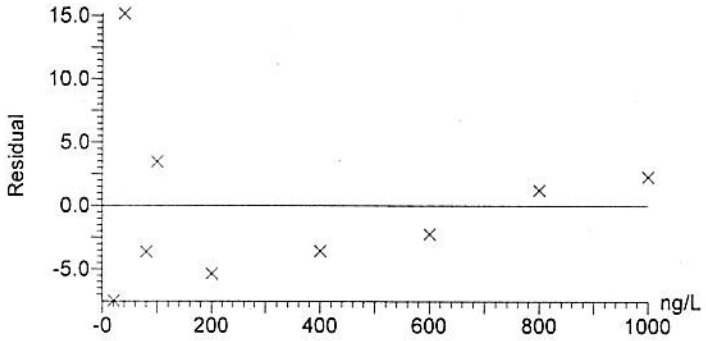
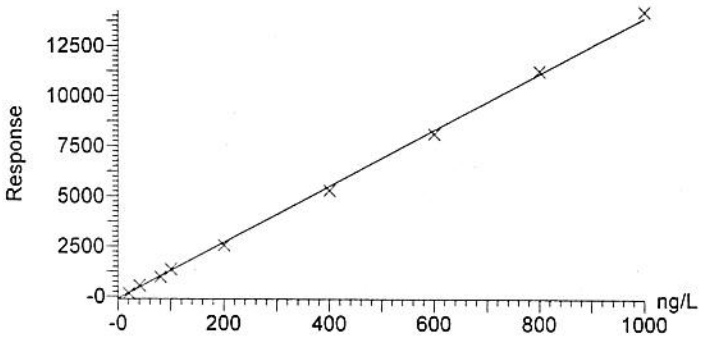
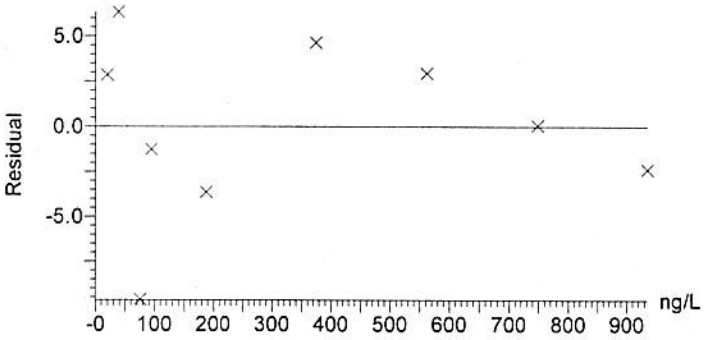
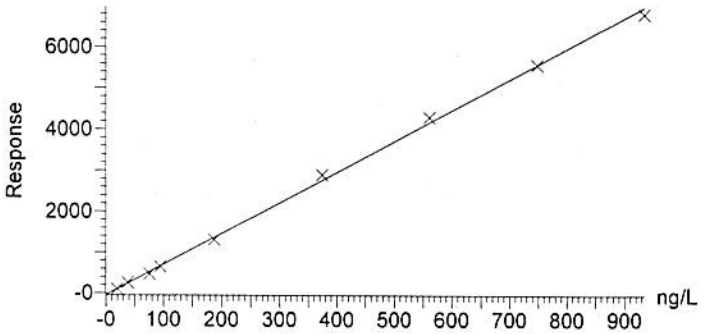
Compound name: PFPeA (M+5)
Correlation coefficient: r = 0.999342, r^2 = 0.998685
Calibration curve: 14.0062 * x + -89.2357
Response type: External Std, Area
Curve type: Linear, Origin: Exclude, Weighting: 1/x, Axis trans: None



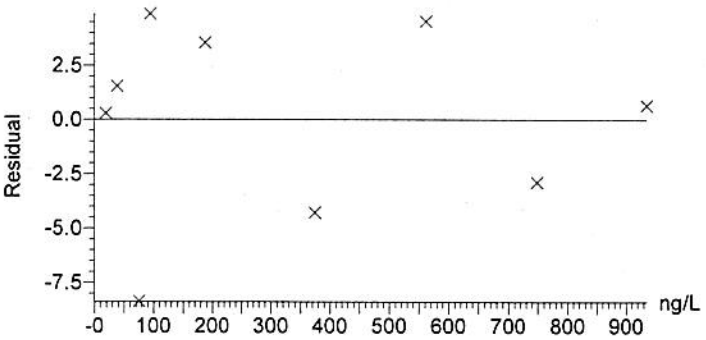


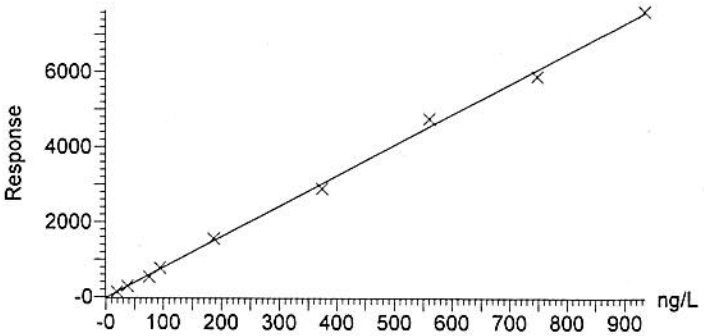
Compound name: 4:2 FTS
Correlation coefficient: r = 0.999371, r^2 = 0.998742
Calibration curve: 7.48951 * x + -35.9356
Response type: External Std, Area
Curve type: Linear, Origin: Exclude, Weighting: 1/x, Axis trans: None





Compound name: 4:2 FTS (M+2)
Correlation coefficient: r = 0.999252, r^2 = 0.998504
Calibration curve: 8.14197 * x + -16.2923
Response type: External Std, Area
Curve type: Linear, Origin: Exclude, Weighting: 1/x, Axis trans: None





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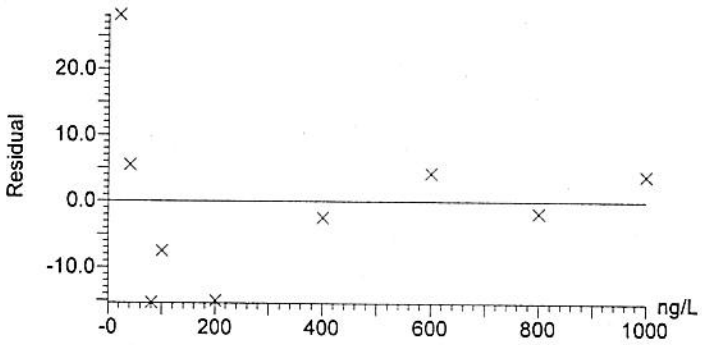
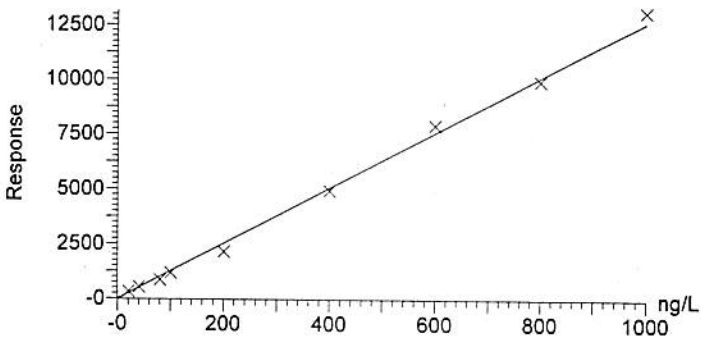
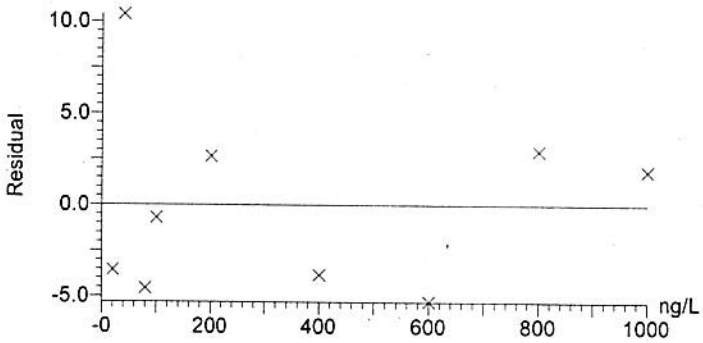
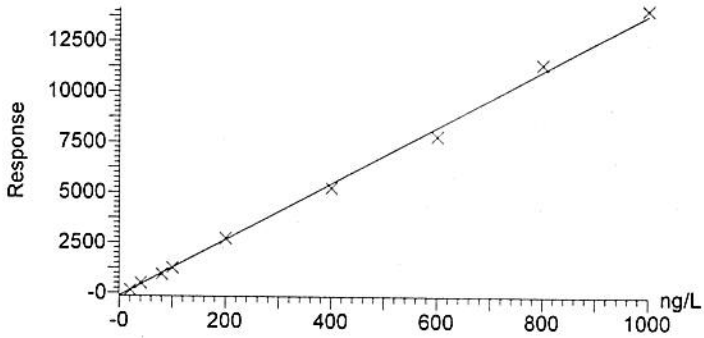
Compound name: PFHxA
Correlation coefficient: r = 0.997647, r^2 = 0.995300
Calibration curve: 12.6456 * x + -0.581878
Response type: External Std, Area
Curve type: Linear, Origin: Exclude, Weighting: 1/x, Axis trans: None



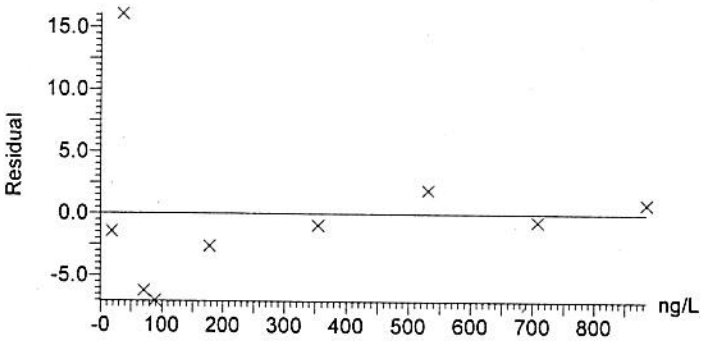


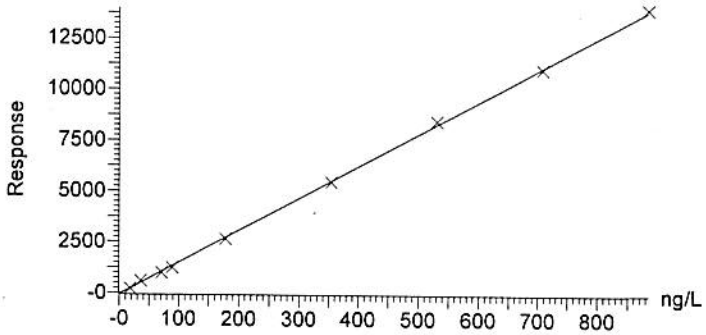
Compound name: PFHxA (M+5)
Correlation coefficient: r = 0.999184, r^2 = 0.998369
Calibration curve: 13.9689 * x + -120.193
Response type: External Std, Area
Curve type: Linear, Origin: Exclude, Weighting: 1/x, Axis trans: None





Compound name: PFBS
Correlation coefficient: r = 0.999533, r^2 = 0.999067
Calibration curve: 15.7308 * x + -50.2826
Response type: External Std, Area
Curve type: Linear, Origin: Exclude, Weighting: 1/x, Axis trans: None





Quantify Calibration Report **MassLynx 4.1 SCN919**
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Dataset: C:\MassLynx\PFAS_2016.PRO\20180425_ICAL.qld
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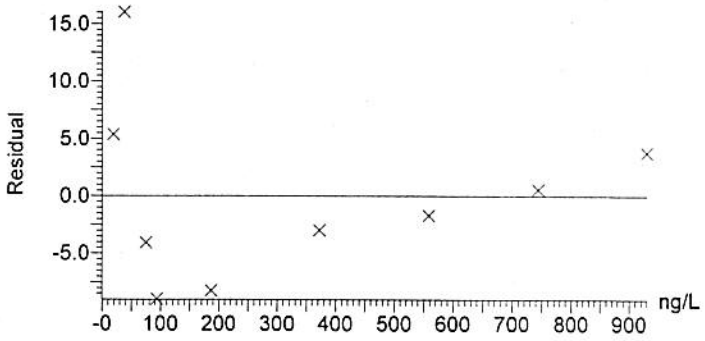
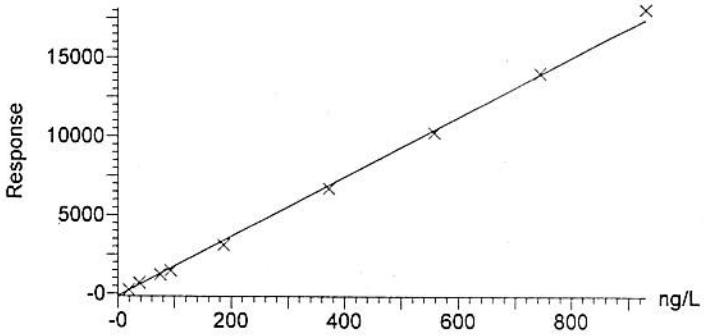
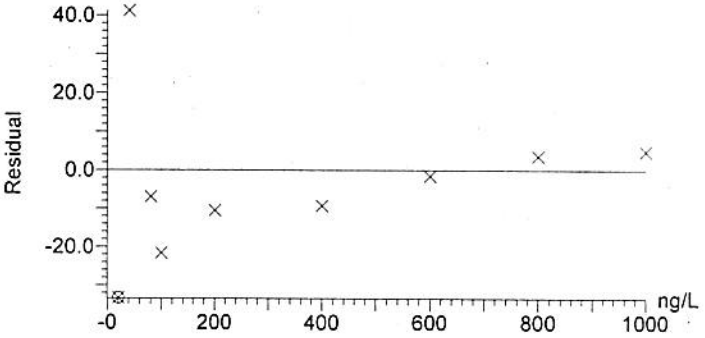
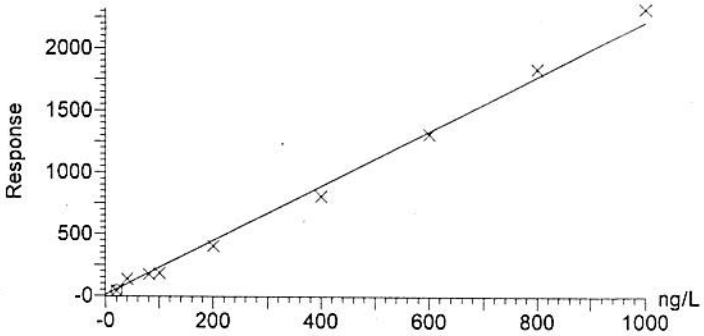
Compound name: PFBS (M+3)
Correlation coefficient: r = 0.998926, r^2 = 0.997852
Calibration curve: 18.9078 * x + -116.054
Response type: External Std, Area
Curve type: Linear, Origin: Exclude, Weighting: 1/x, Axis trans: None



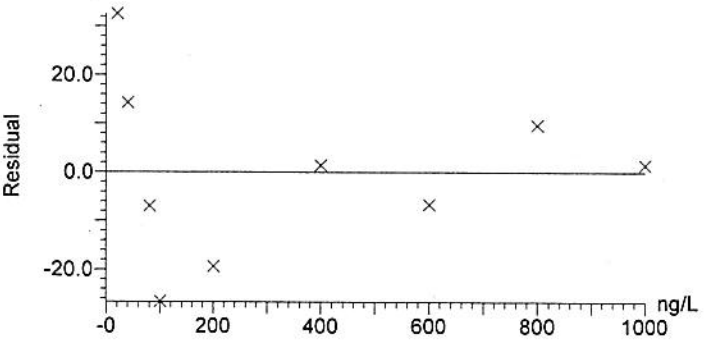


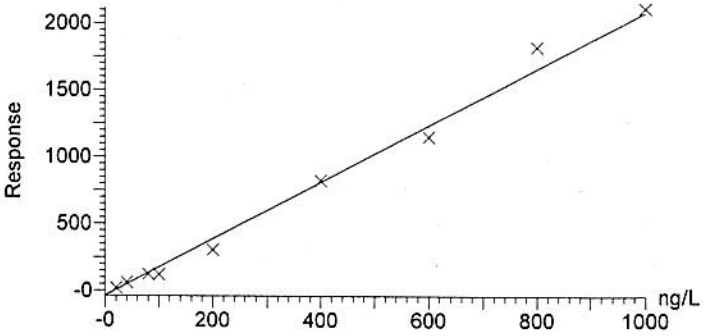
Compound name: HFPO-DA
Correlation coefficient: r = 0.995103, r^2 = 0.990231
Calibration curve: 2.20373 * x + 10.2982
Response type: External Std, Area
Curve type: Linear, Origin: Exclude, Weighting: 1/x, Axis trans: None





Compound name: HFPO-DA (M+3)
Correlation coefficient: r = 0.994371, r^2 = 0.988773
Calibration curve: 2.11744 * x + -34.5359
Response type: External Std, Area
Curve type: Linear, Origin: Exclude, Weighting: 1/x, Axis trans: None





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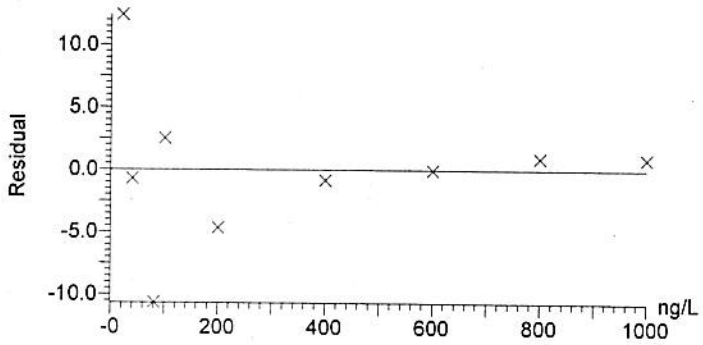
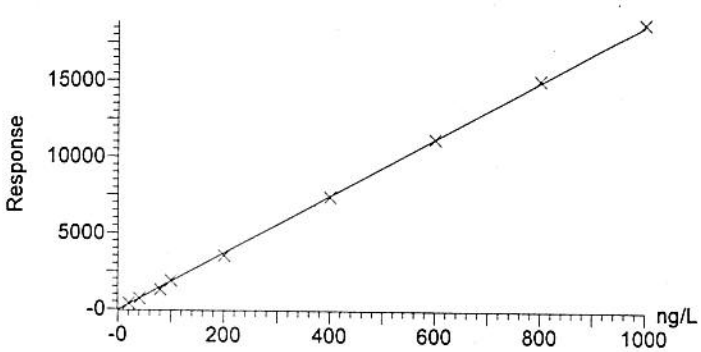
Compound name: PFHpA
Correlation coefficient: r = 0.999621, r^2 = 0.999243
Calibration curve: 18.7508 * x + -41.3603
Response type: External Std, Area
Curve type: Linear, Origin: Exclude, Weighting: 1/x, Axis trans: None





Compound name: PFHpA (M+4)
Correlation coefficient: r = 0.999668, r^2 = 0.999336
Calibration curve: 15.9803 * x + -3.50246
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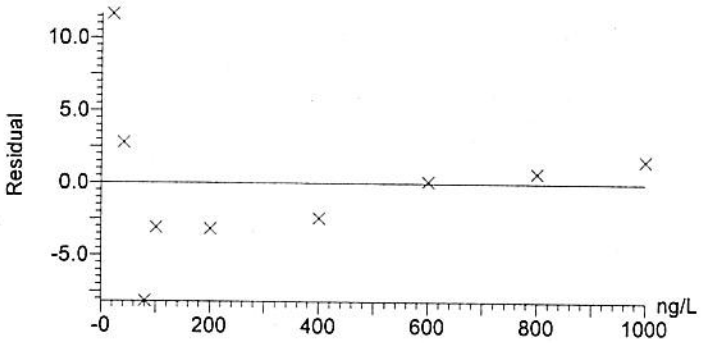
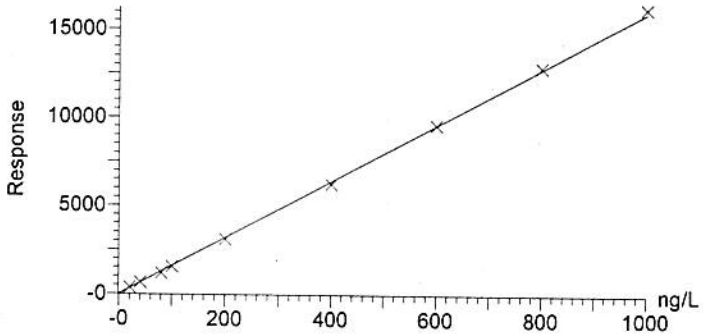
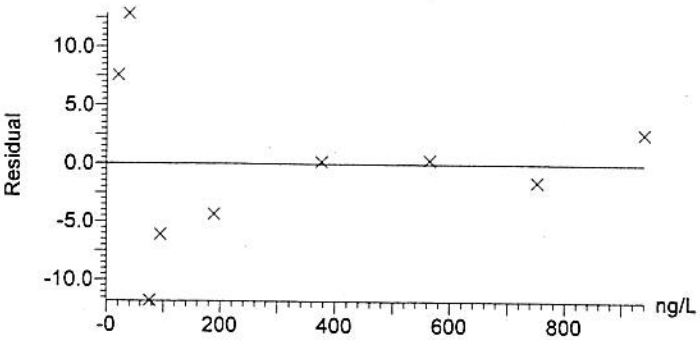
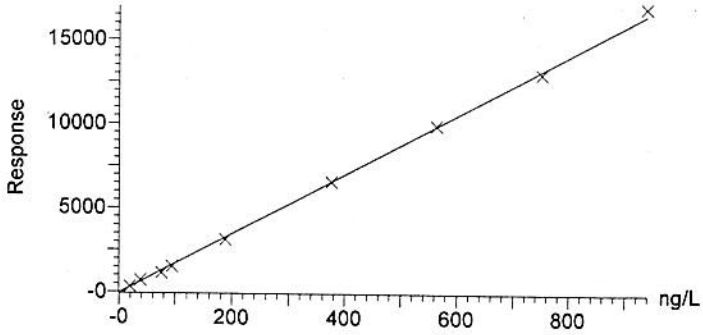




Compound name: PFPeS
Correlation coefficient: r = 0.999292, r^2 = 0.998584
Calibration curve: 17.6372 * x + -39.1138
Response type: External Std, Area
Curve type: Linear, Origin: Exclude, Weighting: 1/x, Axis trans: None





Quantify Calibration Report **MassLynx 4.1 SCN919**
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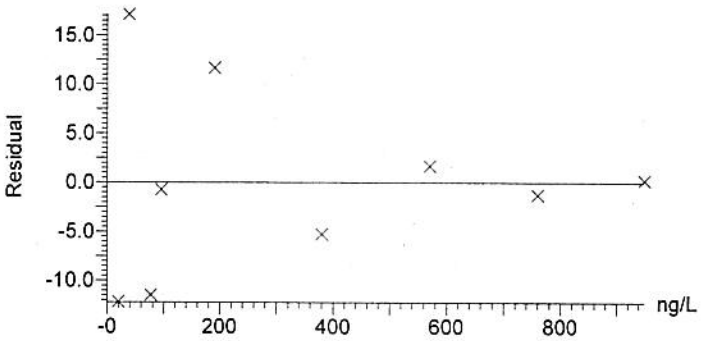
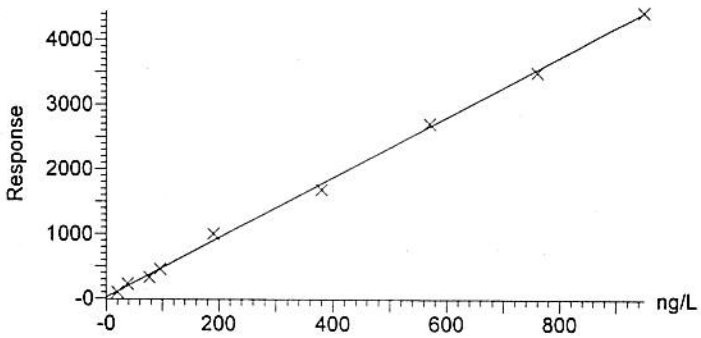
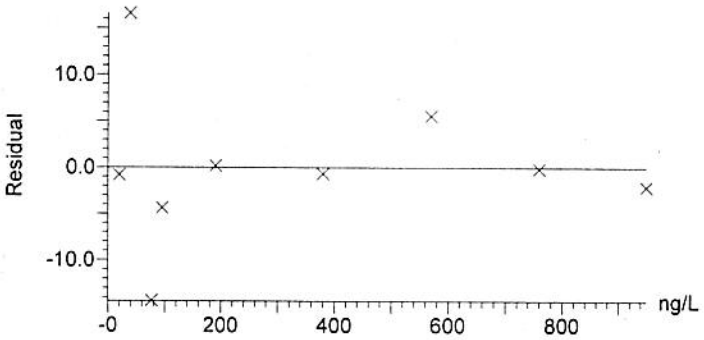
Last Altered: Thursday, April 26, 2018 10:20:42 Eastern Daylight Time
Printed: Thursday, April 26, 2018 10:22:32 Eastern Daylight Time

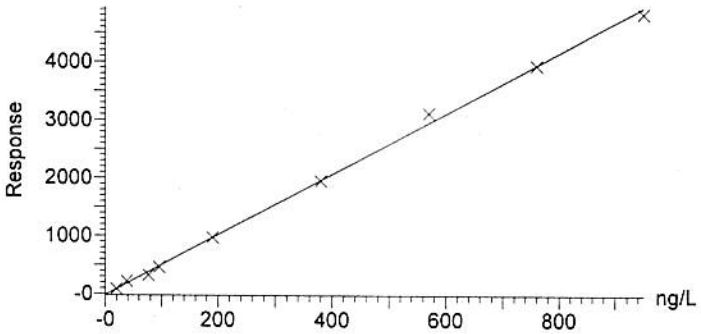
Compound name: 6:2 FTS
Correlation coefficient: r = 0.998669, r^2 = 0.997339
Calibration curve: 4.6415 * x + 22.7982
Response type: External Std, Area
Curve type: Linear, Origin: Exclude, Weighting: 1/x, Axis trans: None



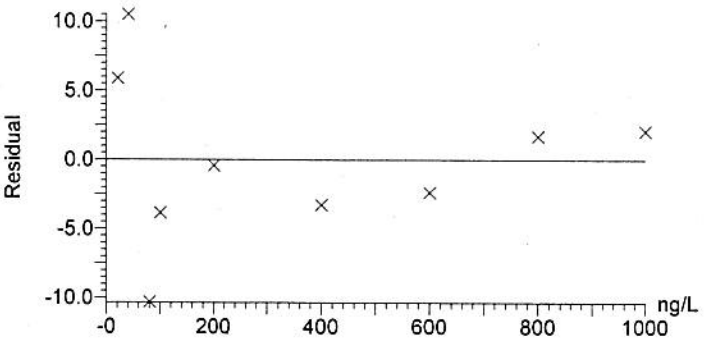


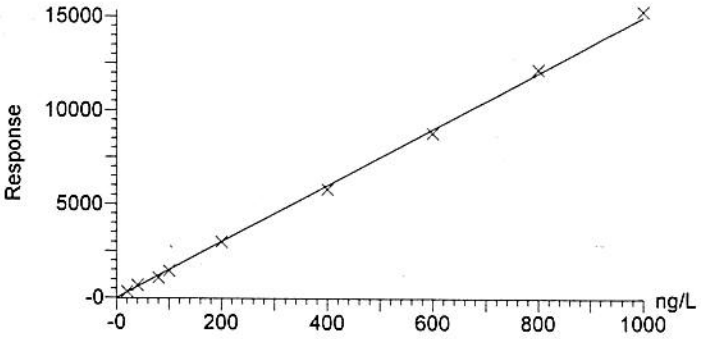
Compound name: 6:2 FTS (M+2)
Correlation coefficient: r = 0.998948, r^2 = 0.997897
Calibration curve: 5.20761 * x + -15.2486
Response type: External Std, Area
Curve type: Linear, Origin: Exclude, Weighting: 1/x, Axis trans: None





Compound name: PFOA
Correlation coefficient: r = 0.999410, r^2 = 0.998821
Calibration curve: 14.9956 * x + 2.3845
Response type: External Std, Area
Curve type: Linear, Origin: Exclude, Weighting: 1/x, Axis trans: None





Quantify Calibration Report **MassLynx 4.1 SCN919**
Instrument Name: S ITHTQ User: JG
Dataset: C:\MassLynx\PFAS_2016.PRO\20180425_ICAL.qld
Last Altered: Thursday, April 26, 2018 10:20:42 Eastern Daylight Time
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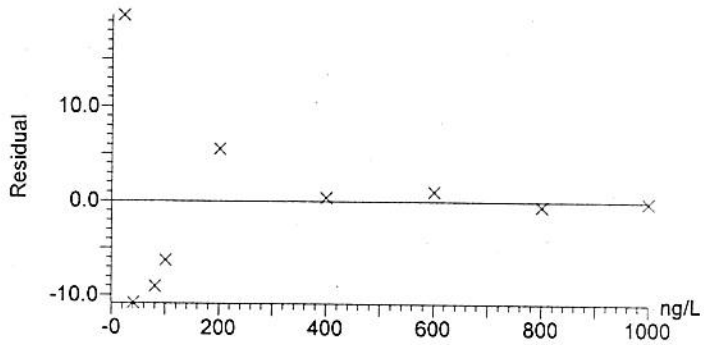
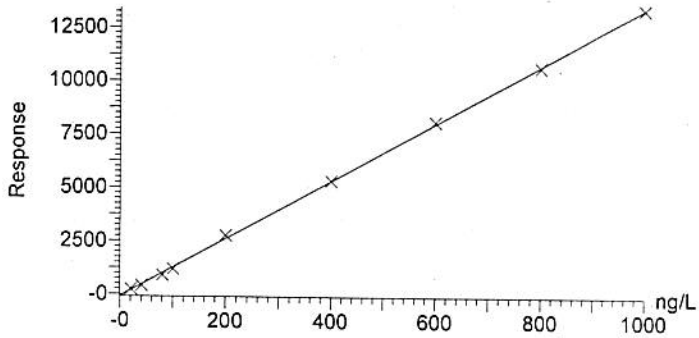
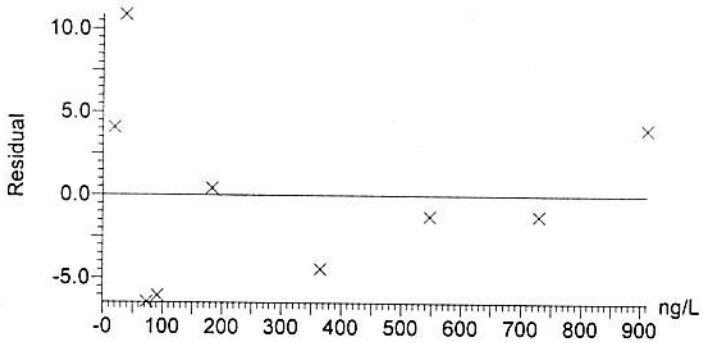
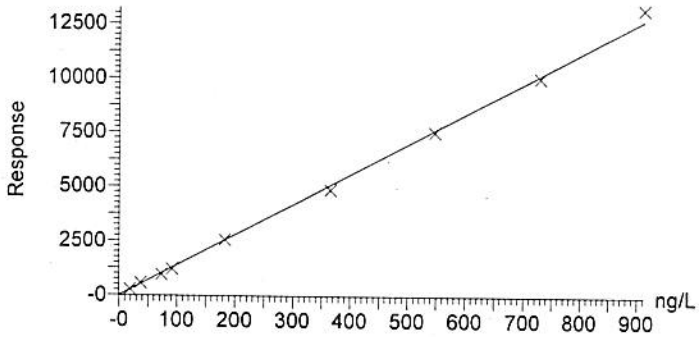
Compound name: PFOA (M+8)
Correlation coefficient: r = 0.999402, r^2 = 0.998805
Calibration curve: 13.4885 * x + -75.771
Response type: External Std, Area
Curve type: Linear, Origin: Exclude, Weighting: 1/x, Axis trans: None



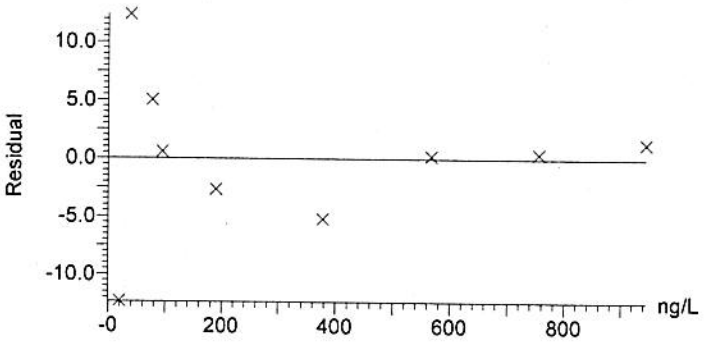


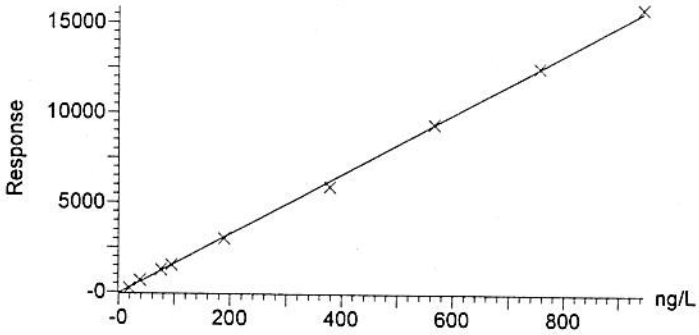
Compound name: PFHxS
Correlation coefficient: r = 0.999234, r^2 = 0.998469
Calibration curve: 13.9479 * x + -5.75557
Response type: External Std, Area
Curve type: Linear, Origin: Exclude, Weighting: 1/x, Axis trans: None





Compound name: PFHxS (M+3)
Correlation coefficient: r = 0.999490, r^2 = 0.998981
Calibration curve: 16.6141 * x + -46.9754
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\20180425_ICAL.qld
Last Altered: Thursday, April 26, 2018 10:20:42 Eastern Daylight Time
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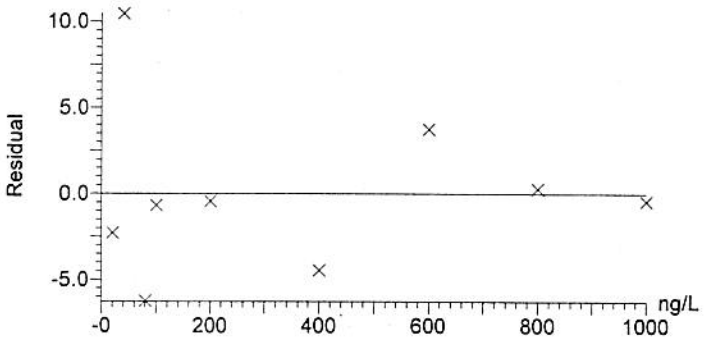
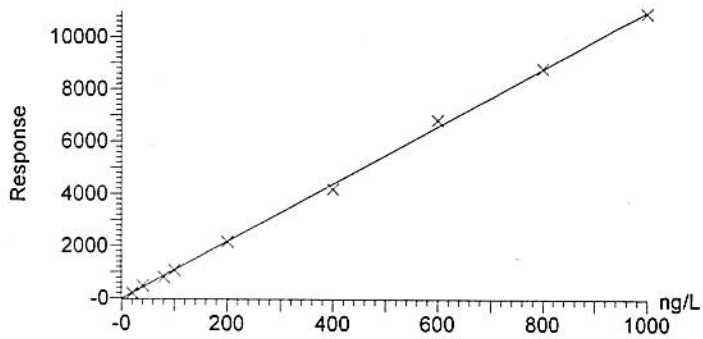
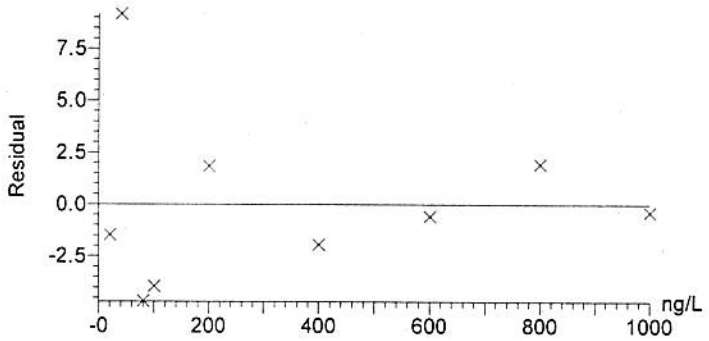
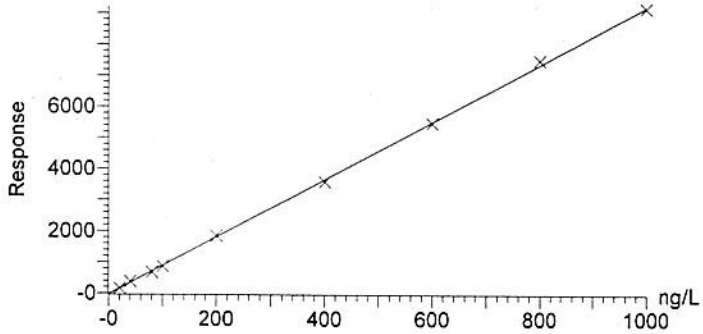
Compound name: PFNA
Correlation coefficient: r = 0.999515, r^2 = 0.999030
Calibration curve: 11.0145 * x + -17.9163
Response type: External Std, Area
Curve type: Linear, Origin: Exclude, Weighting: 1/x, Axis trans: None



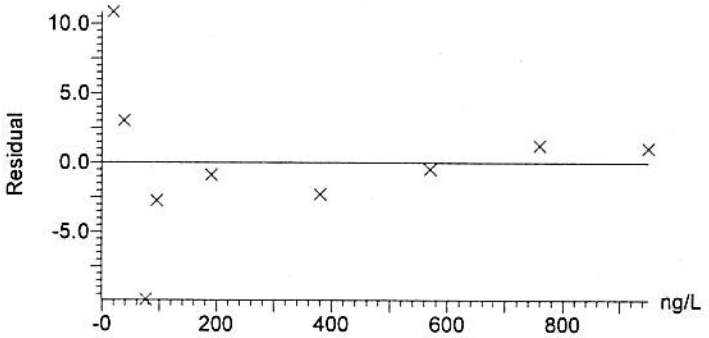


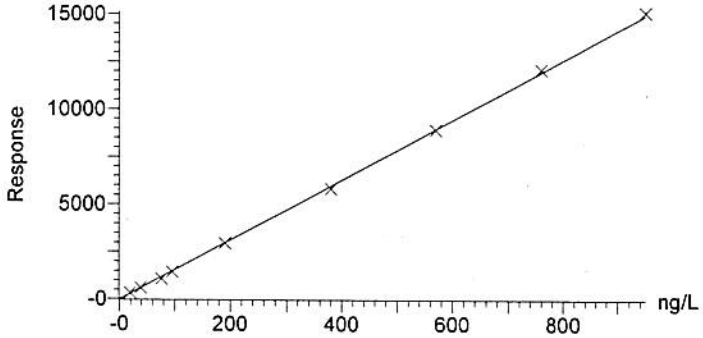
Compound name: PFNA (M+9)
Correlation coefficient: r = 0.999755, r^2 = 0.999511
Calibration curve: 9.21607 * x + -22.9215
Response type: External Std, Area
Curve type: Linear, Origin: Exclude, Weighting: 1/x, Axis trans: None





Compound name: PFHpS
Correlation coefficient: r = 0.999678, r^2 = 0.999356
Calibration curve: 15.7528 * x + -11.6495
Response type: External Std, Area
Curve type: Linear, Origin: Exclude, Weighting: 1/x, Axis trans: None





Quantify Calibration Report **MassLynx 4.1 SCN919**
Instrument Name: S ITHTQ User: JG
Dataset: C:\MassLynx\PFAS_2016.PRO\20180425_ICAL.qld
Last Altered: Thursday, April 26, 2018 10:20:42 Eastern Daylight Time
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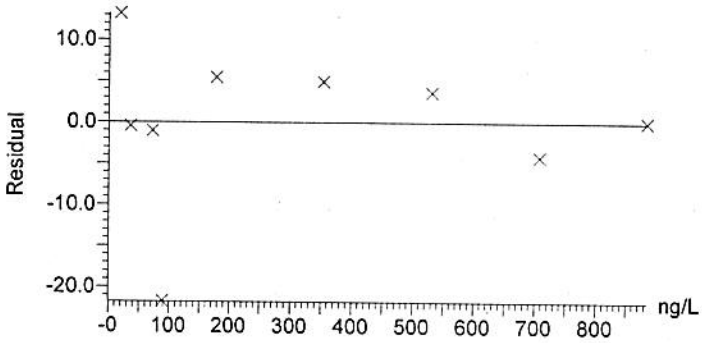
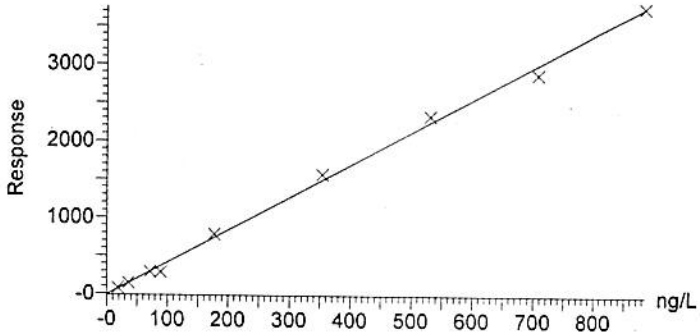
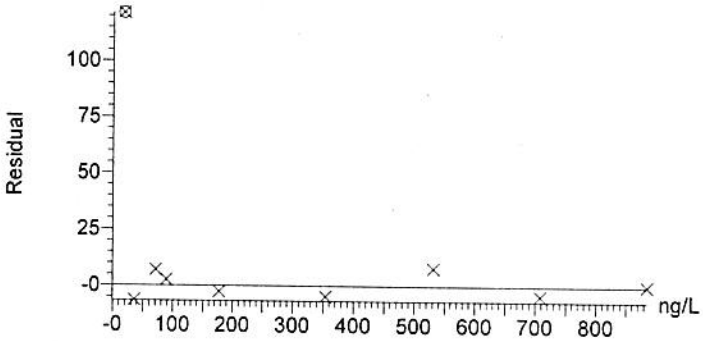
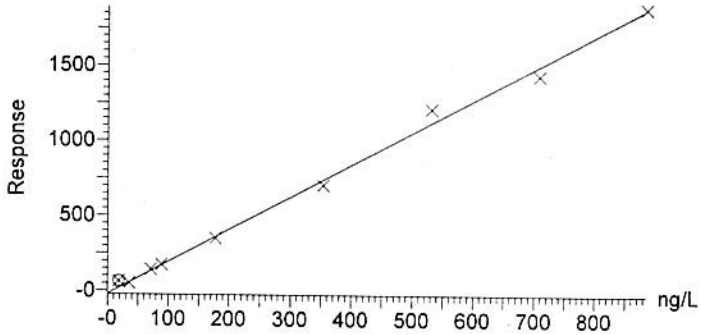
Compound name: 8:2 FTS
Correlation coefficient: r = 0.998241, r^2 = 0.996484
Calibration curve: 4.25515 * x + -9.25981
Response type: External Std, Area
Curve type: Linear, Origin: Exclude, Weighting: 1/x, Axis trans: None



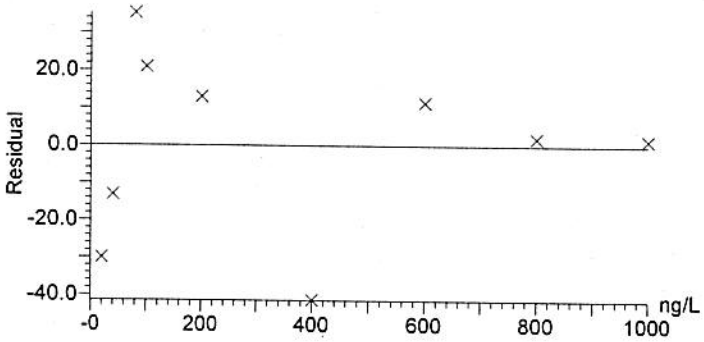


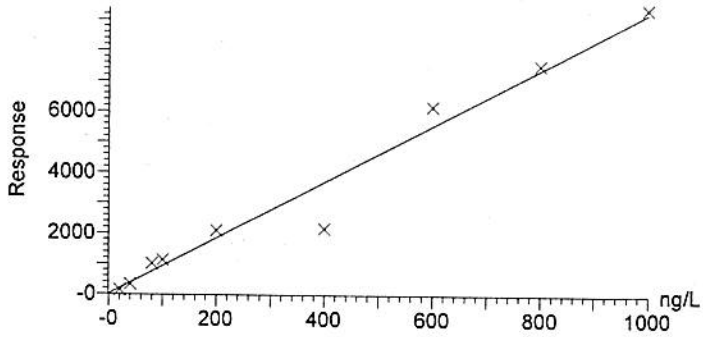
Compound name: 8:2 FTS (M+2)
Correlation coefficient: r = 0.998389, r^2 = 0.996781
Calibration curve: 2.1522 * x + -18.7842
Response type: External Std, Area
Curve type: Linear, Origin: Exclude, Weighting: 1/x, Axis trans: None





Compound name: PFDA
Correlation coefficient: r = 0.981152, r^2 = 0.962660 RV 4/26/18
Calibration curve: 9.23089 * x + 7.35467
Response type: External Std, Area
Curve type: Linear, Origin: Exclude, Weighting: 1/x, Axis trans: None





Quantify Calibration Report **MassLynx 4.1 SCN919**
Instrument Name: S ITHTQ User: JG
Dataset: C:\MassLynx\PFAS_2016.PRO\20180425_ICAL.qld
Last Altered: Thursday, April 26, 2018 10:20:42 Eastern Daylight Time
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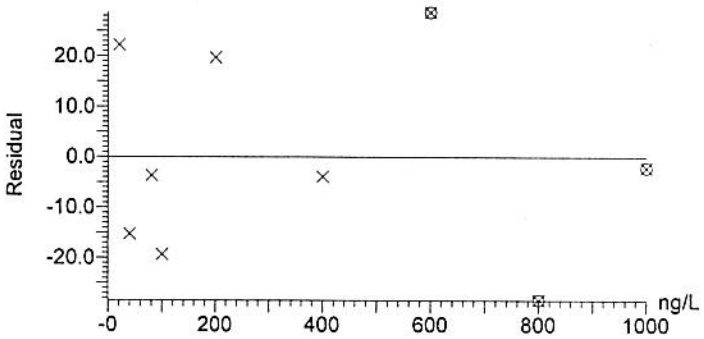
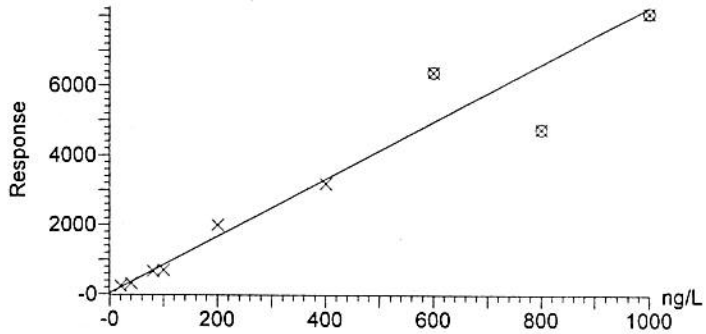
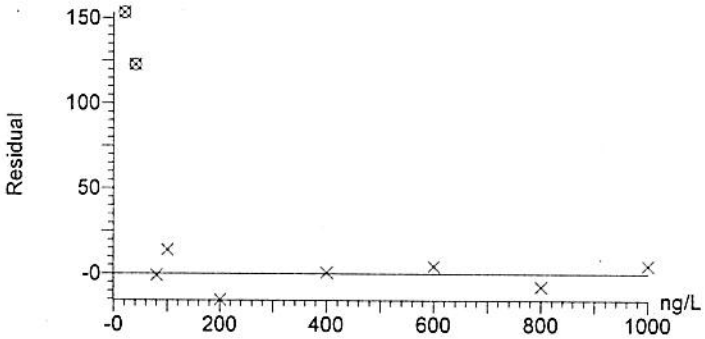
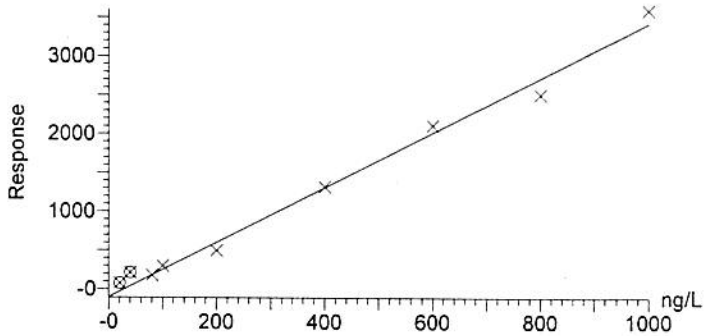
Compound name: PFDA (M+6)
Correlation coefficient: r = 0.986091, r^2 = 0.972375 FV 4/26/18
Calibration curve: 8.22739 * x + 35.4405
Response type: External Std, Area
Curve type: Linear, Origin: Exclude, Weighting: 1/x, Axis trans: None



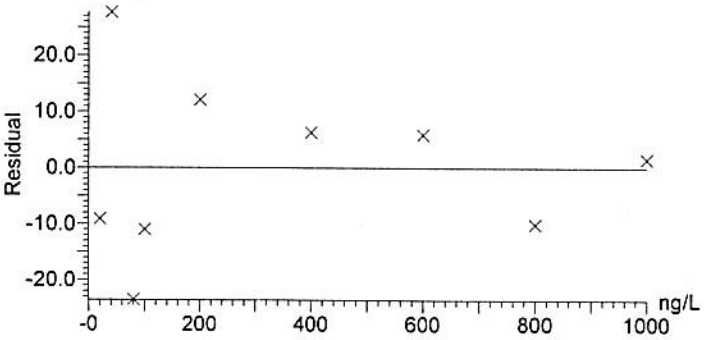


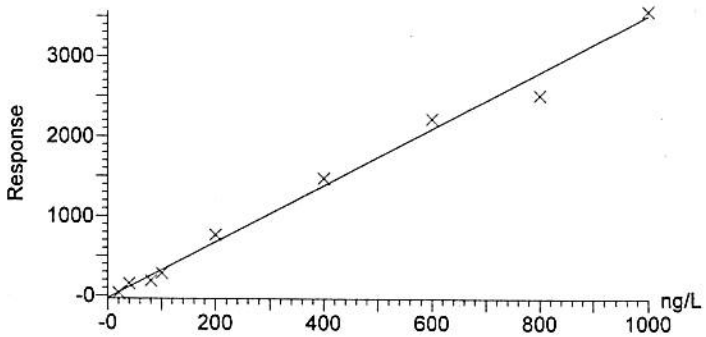
Compound name: N-MeFOSAA
Correlation coefficient: r = 0.995806, r^2 = 0.991630
Calibration curve: 3.52683 * x + -98.6637
Response type: External Std, Area
Curve type: Linear, Origin: Exclude, Weighting: 1/x, Axis trans: None





Compound name: N-MeFOSAA (M+3)
Correlation coefficient: r = 0.995245, r^2 = 0.990513
Calibration curve: 3.53993 * x + -29.5565
Response type: External Std, Area
Curve type: Linear, Origin: Exclude, Weighting: 1/x, Axis trans: None





Quantify Calibration Report **MassLynx 4.1 SCN919**
Instrument Name: S ITHTQ User: JG
Dataset: C:\MassLynx\PFAS_2016.PRO\20180425_ICAL.qld
Last Altered: Thursday, April 26, 2018 10:20:42 Eastern Daylight Time
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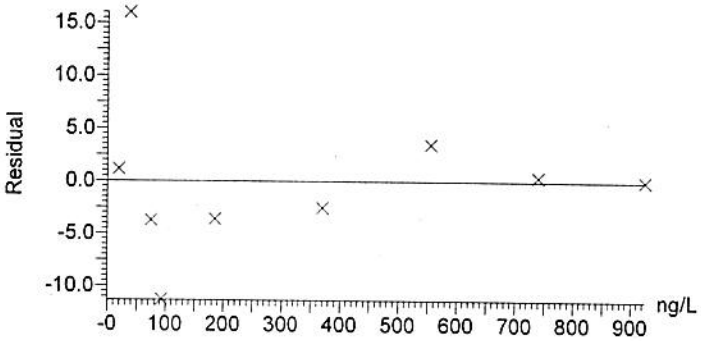
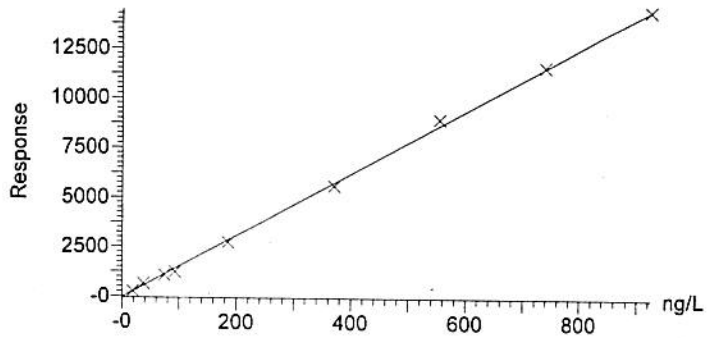
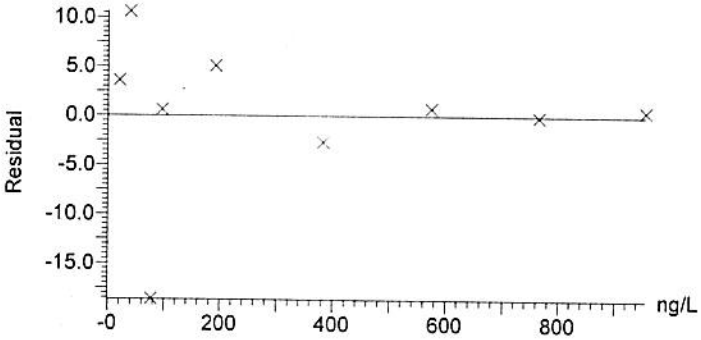
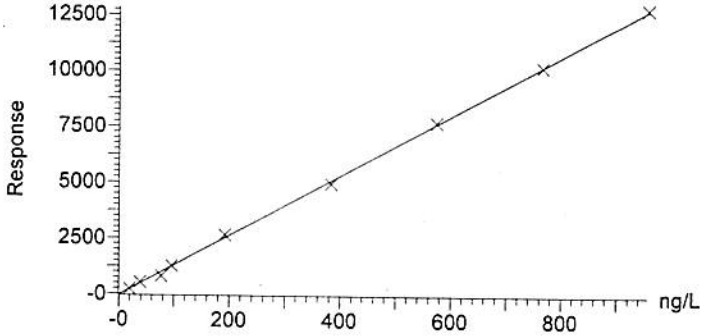
Compound name: PFOS
Correlation coefficient: r = 0.999265, r^2 = 0.998531
Calibration curve: 15.6587 * x + -39.0055
Response type: External Std, Area
Curve type: Linear, Origin: Exclude, Weighting: 1/x, Axis trans: None





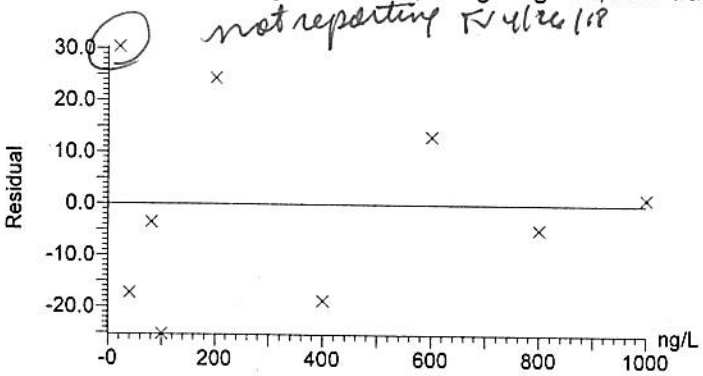
Compound name: PFOS (M+8)
Correlation coefficient: r = 0.999178, r^2 = 0.998356
Calibration curve: 13.3736 * x + -35.0348
Response type: External Std, Area
Curve type: Linear, Origin: Exclude, Weighting: 1/x, Axis trans: None

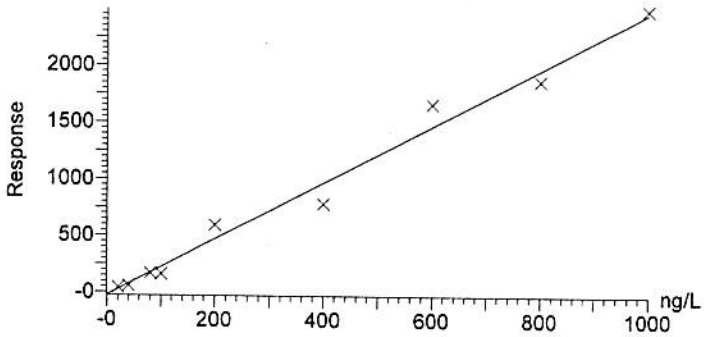




Compound name: N-EtFOSAA
Correlation coefficient: r = 0.990554, r^2 = 0.981197
Calibration curve: 2.48645 * x + -22.4465
Response type: External Std, Area
Curve type: Linear, Origin: Exclude, Weighting: 1/x, Axis trans: None

not reporting KV 4/26/18





Instrument Name: S ITHTQ User: JG
Dataset: C:\MassLynx\PFAS_2016.PRO\20180425_ICAL.qld
Last Altered: Thursday, April 26, 2018 10:20:42 Eastern Daylight Time
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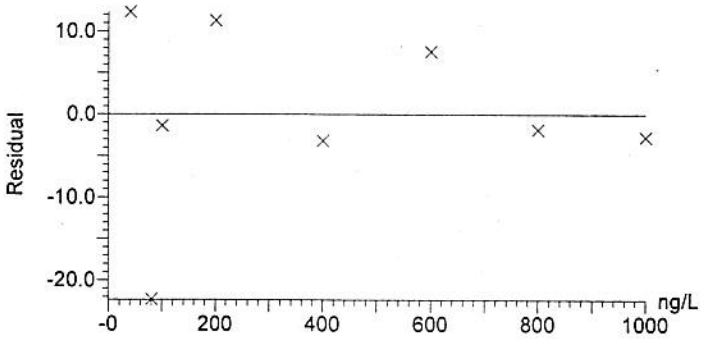
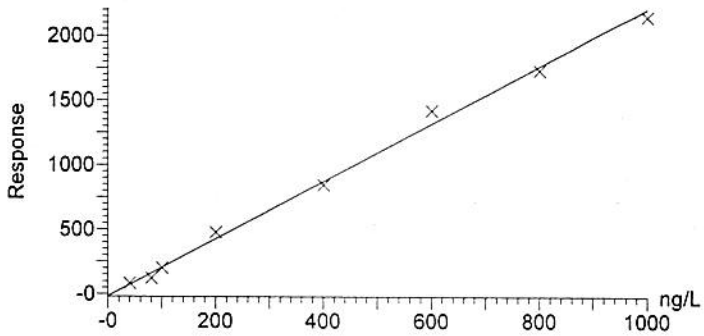
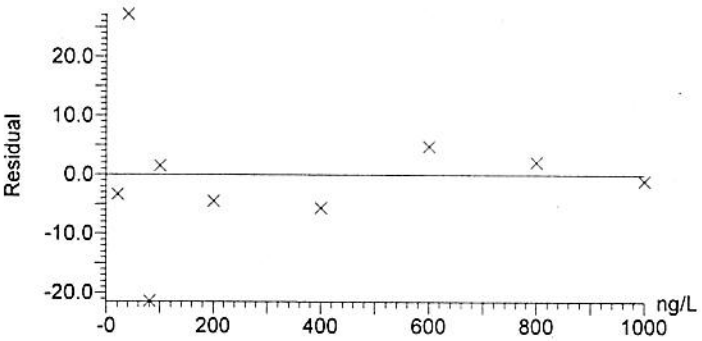
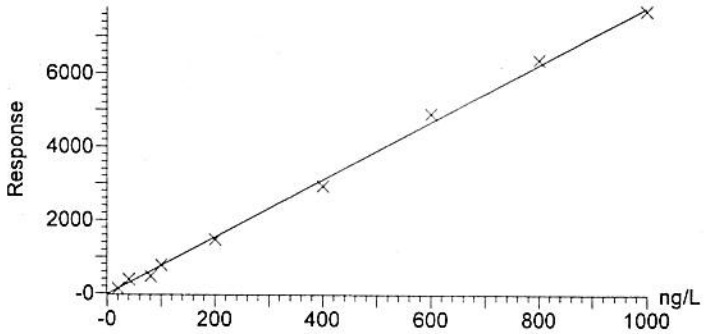
Compound name: N-EtFOSAA (M+5)
Correlation coefficient: r = 0.997203, r^2 = 0.994414
Calibration curve: 2.22578 * x + -15.5545
Response type: External Std, Area
Curve type: Linear, Origin: Exclude, Weighting: 1/x, Axis trans: None



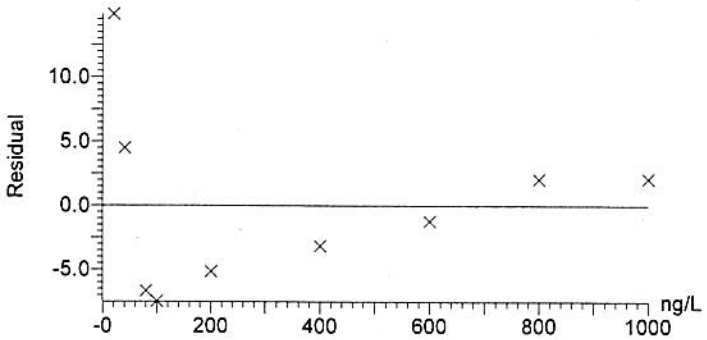


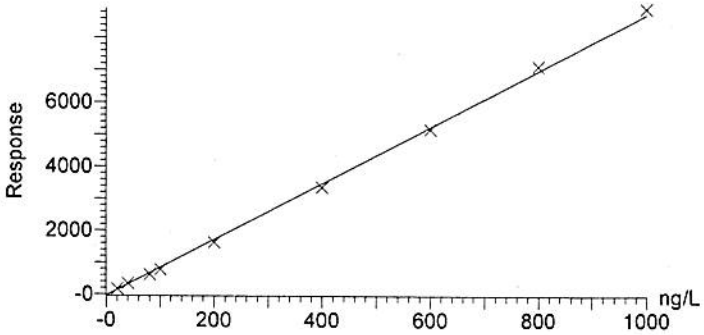
Compound name: PFUnA
Correlation coefficient: r = 0.997970, r^2 = 0.995945
Calibration curve: 7.81192 * x + -16.7015
Response type: External Std, Area
Curve type: Linear, Origin: Exclude, Weighting: 1/x, Axis trans: None





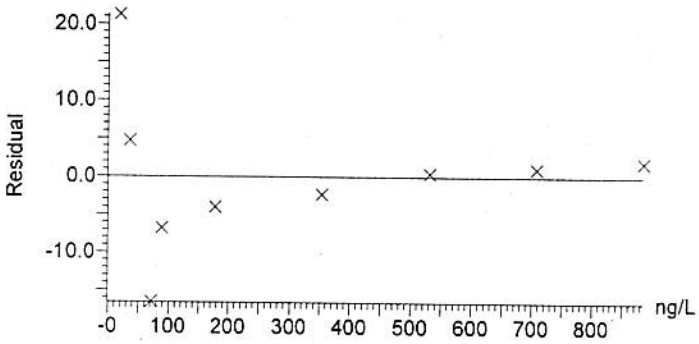
Compound name: PFUnA (M+7)
Correlation coefficient: r = 0.999349, r^2 = 0.998699
Calibration curve: 8.75857 * x + -32.1149
Response type: External Std, Area
Curve type: Linear, Origin: Exclude, Weighting: 1/x, Axis trans: None

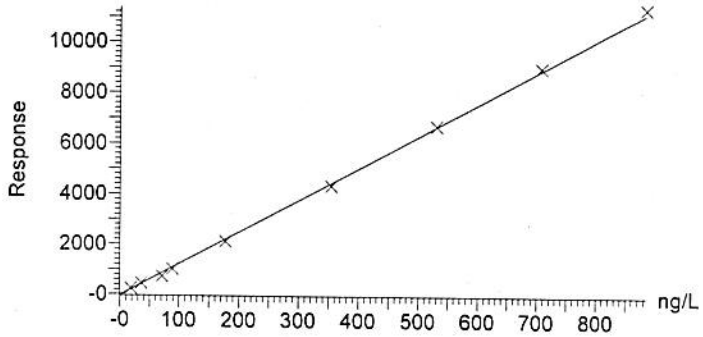




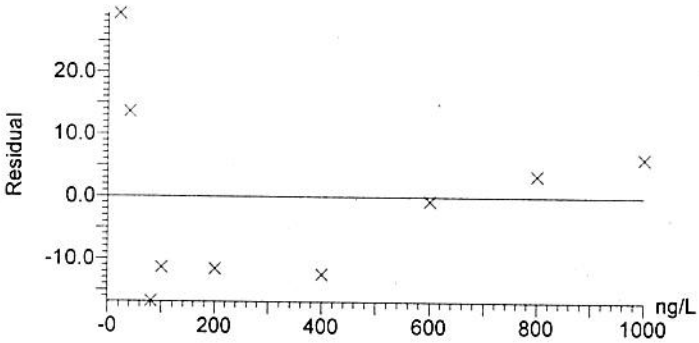
Quantify Calibration Report **MassLynx 4.1 SCN919**
Instrument Name: S ITHTQ User: JG
Dataset: C:\MassLynx\PFAS_2016.PRO\20180425_ICAL.qld
Last Altered: Thursday, April 26, 2018 10:20:42 Eastern Daylight Time
Printed: Thursday, April 26, 2018 10:22:32 Eastern Daylight Time

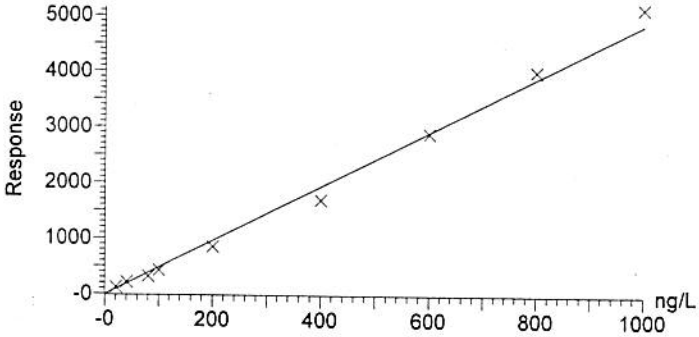
Compound name: PFNS
Correlation coefficient: r = 0.999073, r^2 = 0.998146
Calibration curve: 12.6188 * x + -19.941
Response type: External Std, Area
Curve type: Linear, Origin: Exclude, Weighting: 1/x, Axis trans: None



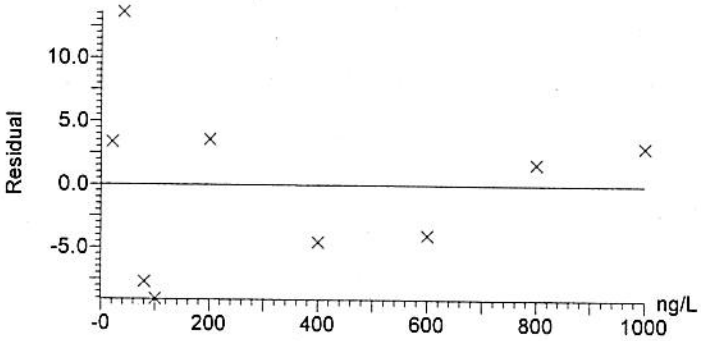


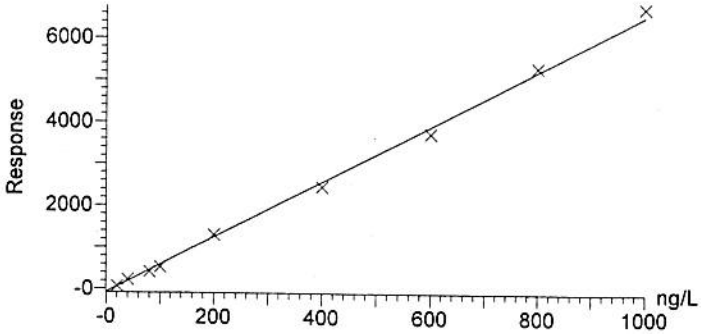
Compound name: PFDoA
Correlation coefficient: r = 0.996074, r^2 = 0.992164
Calibration curve: 4.85616 * x + -7.53405
Response type: External Std, Area
Curve type: Linear, Origin: Exclude, Weighting: 1/x, Axis trans: None





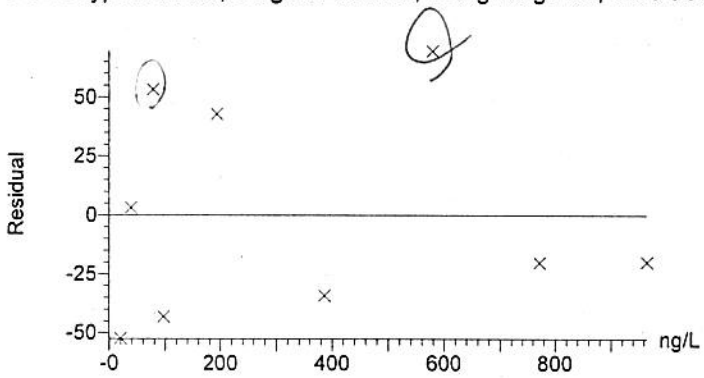
Compound name: PFDoA (M+2)
Correlation coefficient: r = 0.998953, r^2 = 0.997907
Calibration curve: 6.62087 * x + -65.1209
Response type: External Std, Area
Curve type: Linear, Origin: Exclude, Weighting: 1/x, Axis trans: None

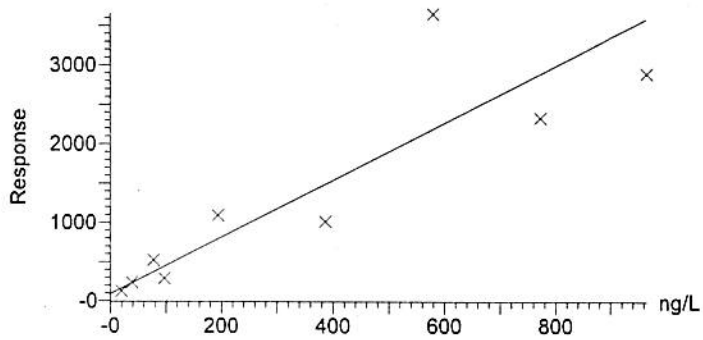




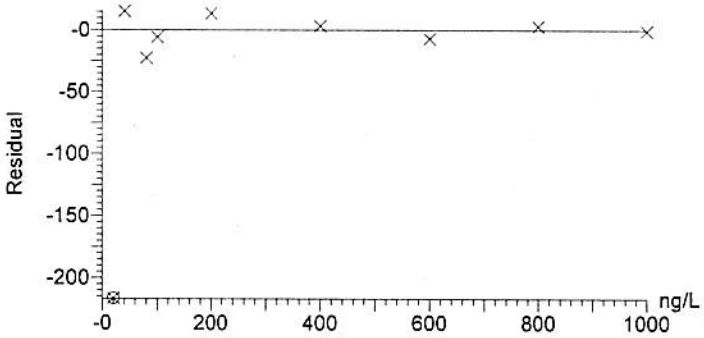
Instrument Name: S ITHTQ User: JG
Dataset: C:\MassLynx\PFAS_2016.PRO\20180425_ICAL.qld
Last Altered: Thursday, April 26, 2018 10:20:42 Eastern Daylight Time
Printed: Thursday, April 26, 2018 10:22:32 Eastern Daylight Time

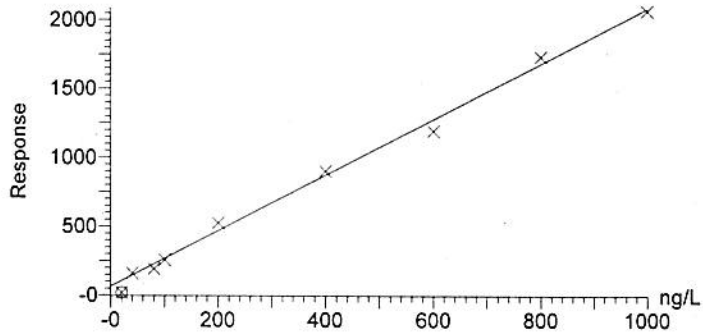
Compound name: PFDS
Correlation coefficient: r = 0.914083, r^2 = 0.835548 F 4/26/18
Calibration curve: 3.62878 * x + 92.3194
Response type: External Std, Area
Curve type: Linear, Origin: Exclude, Weighting: 1/x, Axis trans: None



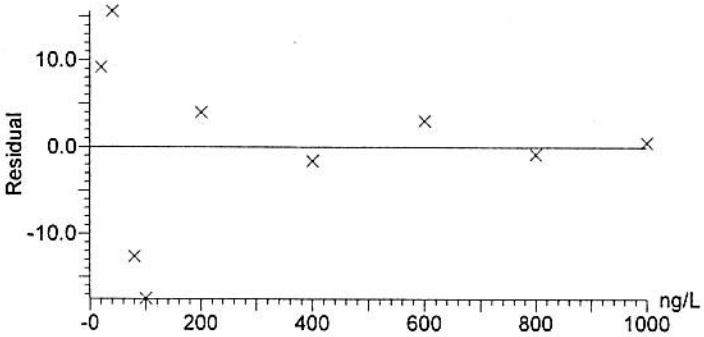


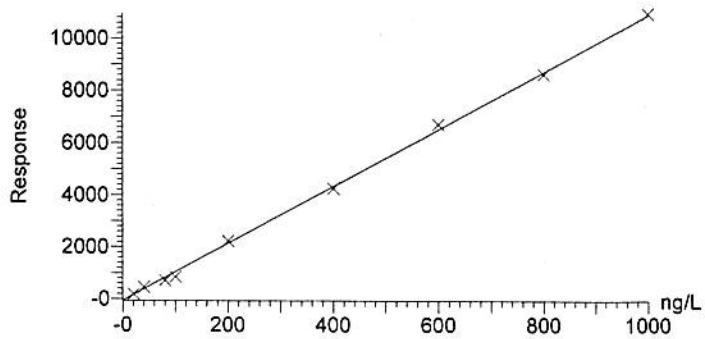
Compound name: PFTrA
Correlation coefficient: r = 0.996887, r^2 = 0.993783
Calibration curve: 2.01851 * x + 65.6514
Response type: External Std, Area
Curve type: Linear, Origin: Exclude, Weighting: 1/x, Axis trans: None





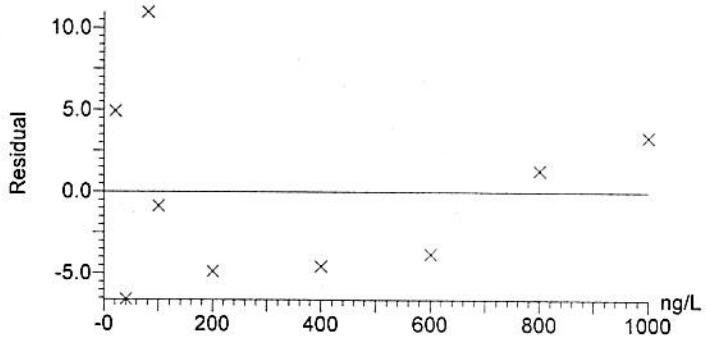
Compound name: FOSA
Correlation coefficient: r = 0.998694, r^2 = 0.997389
Calibration curve: 10.9395 * x + -49.3846
Response type: External Std, Area
Curve type: Linear, Origin: Exclude, Weighting: 1/x, Axis trans: None

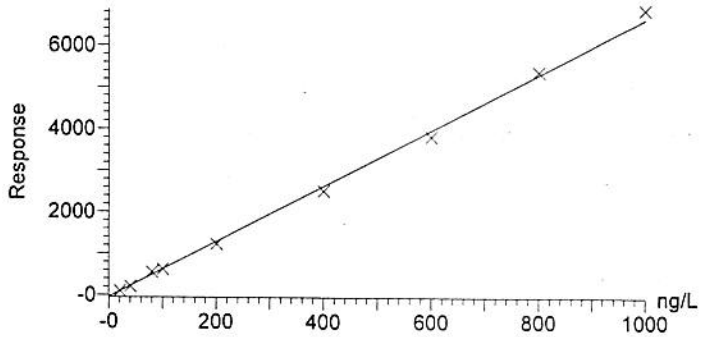




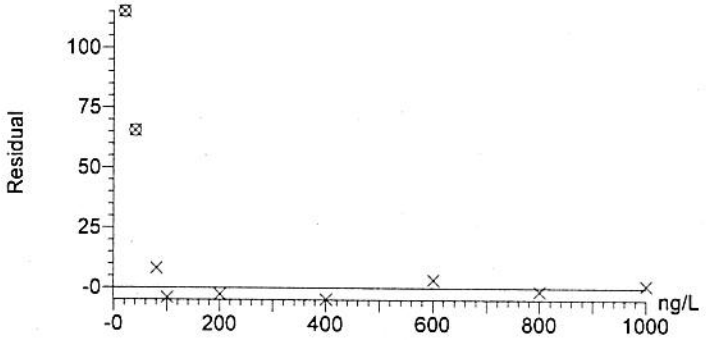
Quantify Calibration Report **MassLynx 4.1 SCN919**
Instrument Name: S ITHTQ User: JG
Dataset: C:\MassLynx\PFAS_2016.PRO\20180425_ICAL.qld
Last Altered: Thursday, April 26, 2018 10:20:42 Eastern Daylight Time
Printed: Thursday, April 26, 2018 10:22:32 Eastern Daylight Time

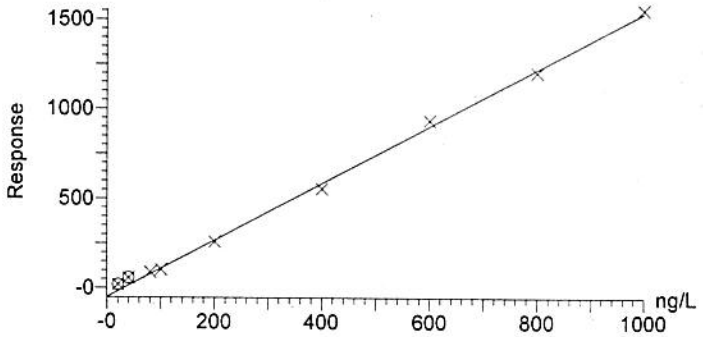
Compound name: FOSA (M+8)
Correlation coefficient: r = 0.999073, r^2 = 0.998147
Calibration curve: 6.67752 * x + -40.0484
Response type: External Std, Area
Curve type: Linear, Origin: Exclude, Weighting: 1/x, Axis trans: None



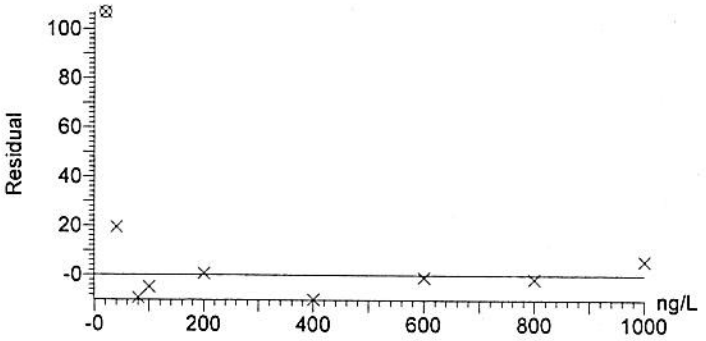


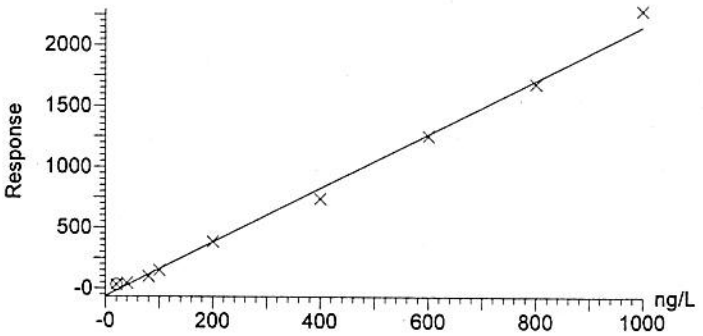
Compound name: PFTeA
Correlation coefficient: r = 0.999210, r^2 = 0.998420
Calibration curve: 1.58749 * x + -47.9755
Response type: External Std, Area
Curve type: Linear, Origin: Exclude, Weighting: 1/x, Axis trans: None





Compound name: PFTeA (M+2)
Correlation coefficient: r = 0.997646, r^2 = 0.995297
Calibration curve: 2.22129 * x + -60.9071
Response type: External Std, Area
Curve type: Linear, Origin: Exclude, Weighting: 1/x, Axis trans: None



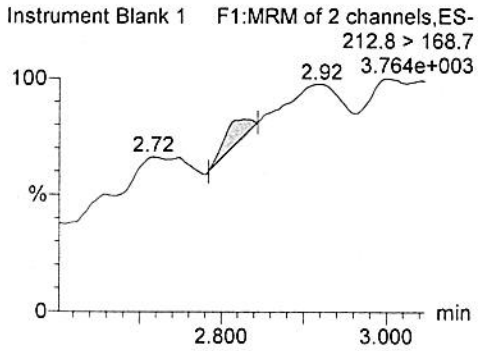


Quantify Sample Report **MassLynx 4.1 SCN919**
Instrument Name: S ITHTQ User: JG
Dataset: C:\MassLynx\PFAS_2016.PRO\20180425_ICAL.qld
Last Altered: Thursday, April 26, 2018 10:20:42 Eastern Daylight Time
Printed: Thursday, April 26, 2018 10:23:06 Eastern Daylight Time

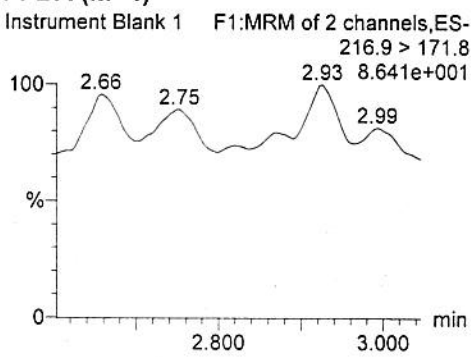
Method: C:\MassLynx\PFAS_2016.PRO\MethDB\PFAS_20180425.mdb 25 Apr 2018 10:51:51
Calibration: C:\MassLynx\PFAS_2016.PRO\CurveDB\PFC_20180425.cdb 26 Apr 2018 10:20:42

Name: 20180425_Instrument Blank_1, Date: 25-Apr-2018, Time: 07:54:50, Description: Instrument Blank 1, Instrument: ACQ-TQD#NotSet, User: , Vial: 2:1

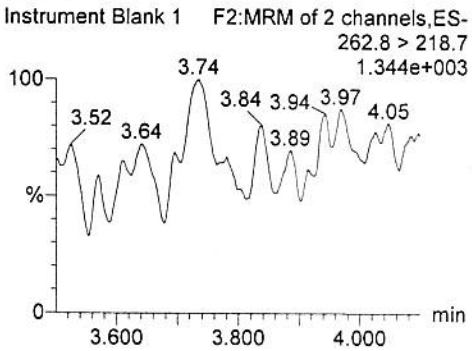
PFBA



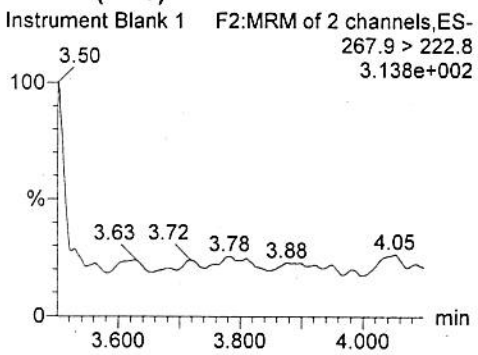
PFBA (M+4)



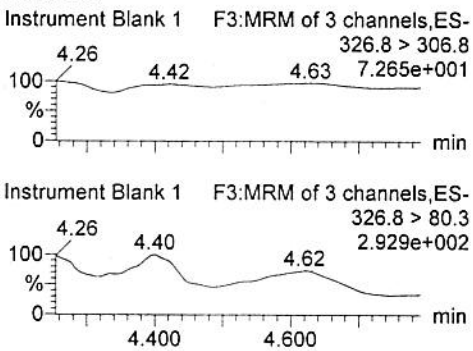
PFPeA



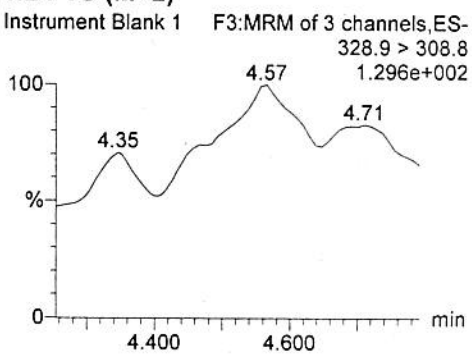
PFPeA (M+5)



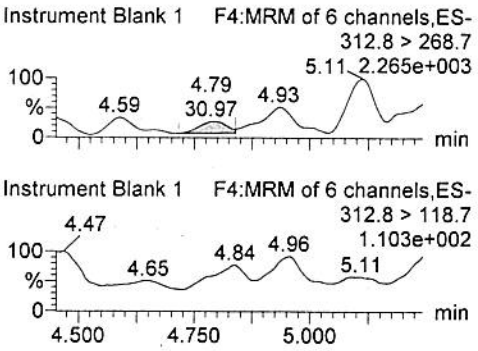
4:2 FTS



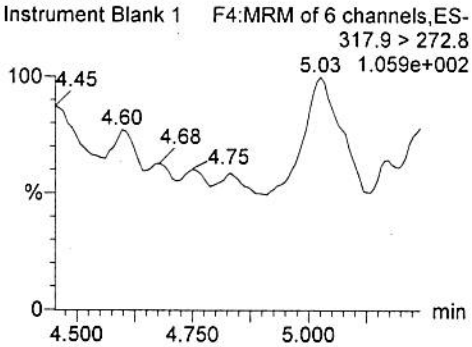
4:2 FTS (M+2)



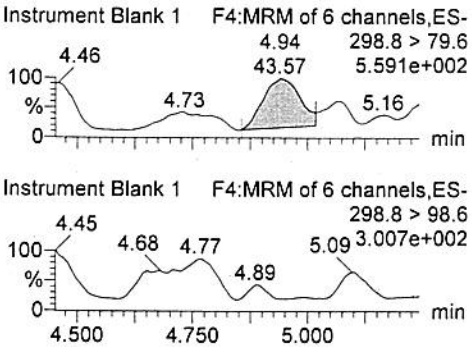
PFHxA



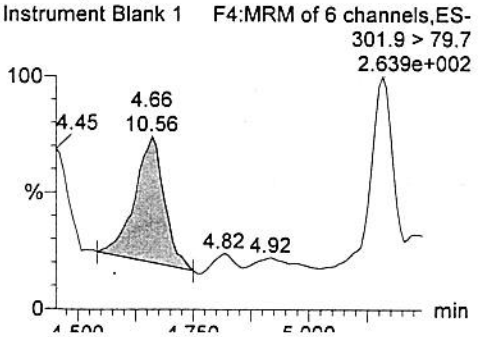
PFHxA (M+5)



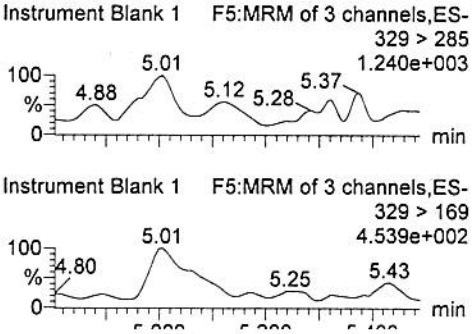
PFBS



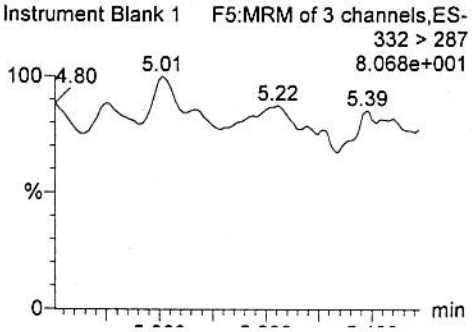
PFBS (M+3)



HFPO-DA



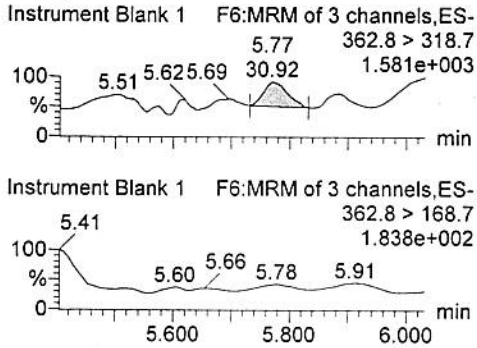
HFPO-DA (M+3)



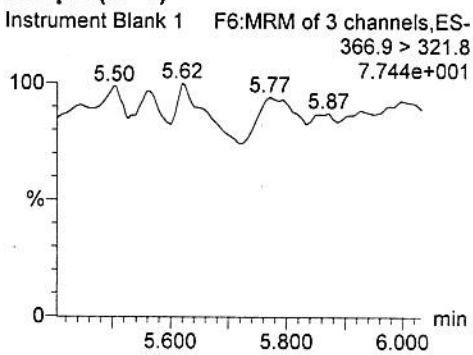
Quantify Sample Report **MassLynx 4.1 SCN919**
Instrument Name: S ITHTQ User: JG
Dataset: C:\MassLynx\PFAS_2016.PRO\20180425_ICAL.qld
Last Altered: Thursday, April 26, 2018 10:20:42 Eastern Daylight Time
Printed: Thursday, April 26, 2018 10:23:06 Eastern Daylight Time

Name: 20180425_Instrument Blank_1, Date: 25-Apr-2018, Time: 07:54:50, Description: Instrument Blank 1, Instrument: ACQ-TQD#NotSet, User: , Vial: 2:1

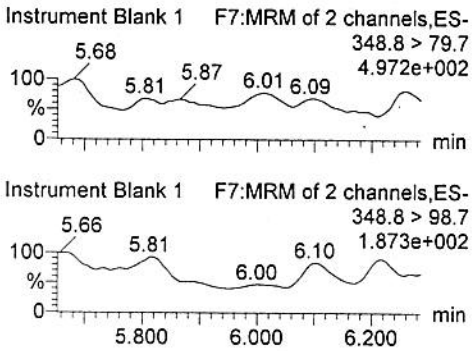
PFHpA



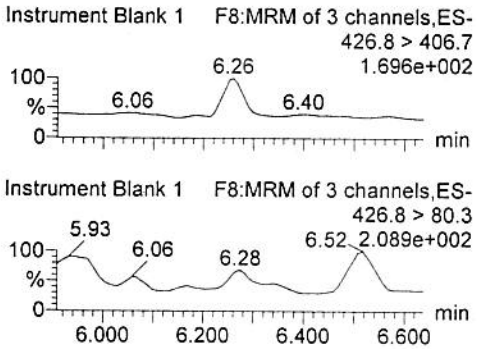
PFHpA (M+4)



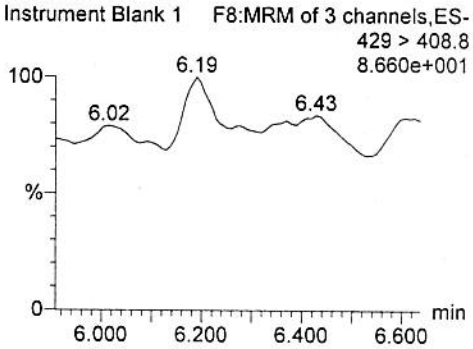
PFPeS



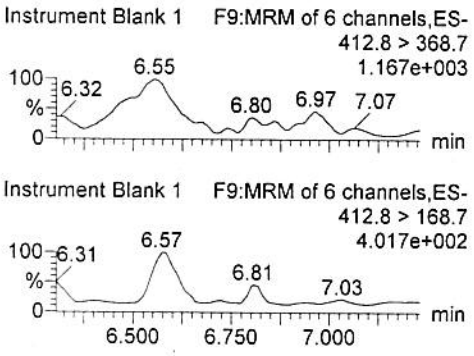
6:2 FTS



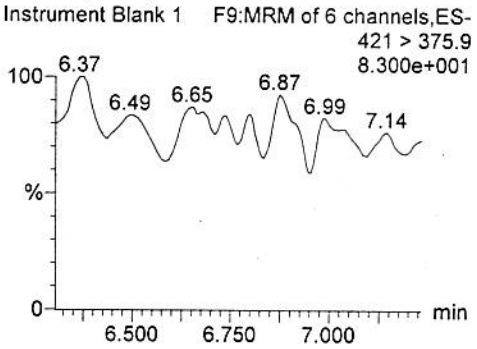
6:2 FTS (M+2)



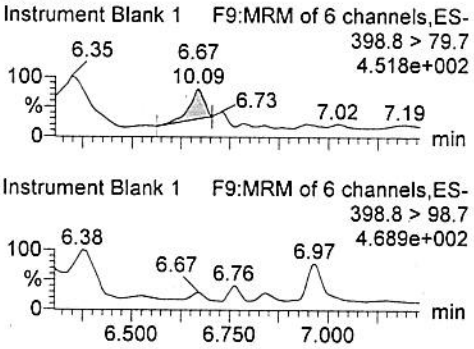
PFOA



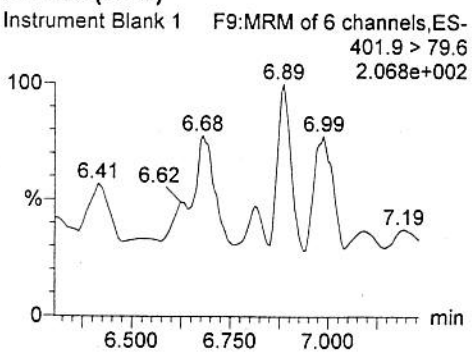
PFOA (M+8)



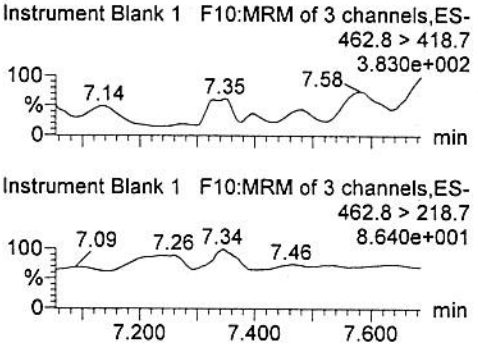
PFHxS



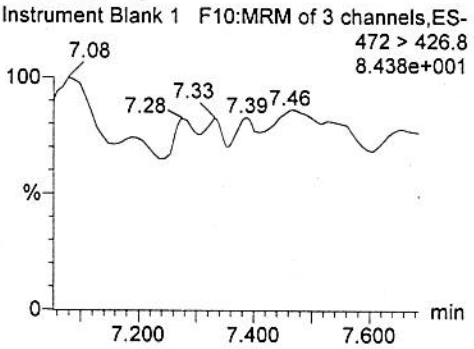
PFHxS (M+3)



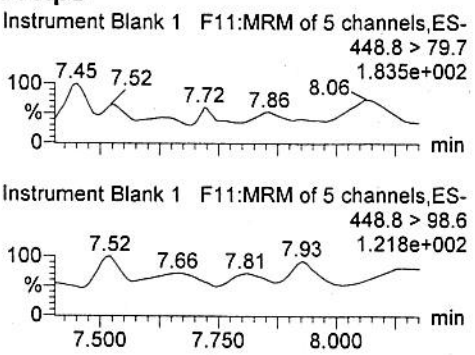
PFNA



PFNA (M+9)



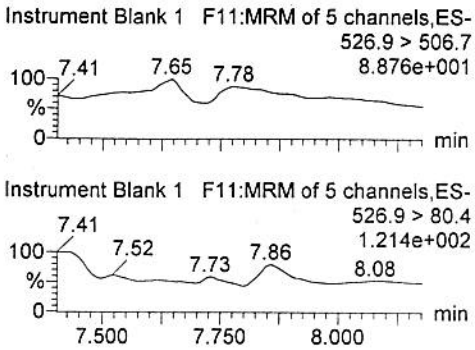
PFHpS



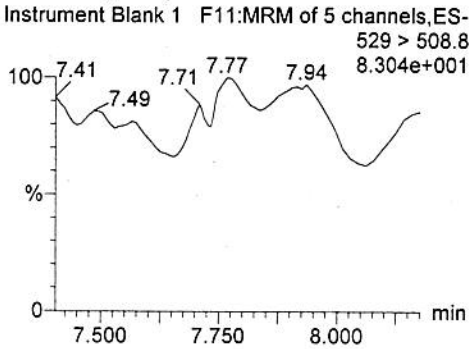
Quantify Sample Report **MassLynx 4.1 SCN919**
Instrument Name: S ITHTQ User: JG
Dataset: C:\MassLynx\PFAS_2016.PRO\20180425_ICAL.qld
Last Altered: Thursday, April 26, 2018 10:20:42 Eastern Daylight Time
Printed: Thursday, April 26, 2018 10:23:06 Eastern Daylight Time

Name: 20180425_Instrument Blank_1, Date: 25-Apr-2018, Time: 07:54:50, Description: Instrument Blank 1, Instrument: ACQ-TQD#NotSet, User: , Vial: 2:1

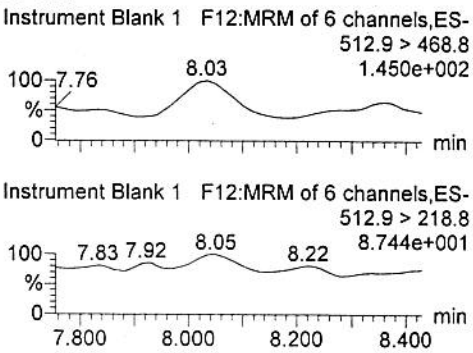
8:2 FTS



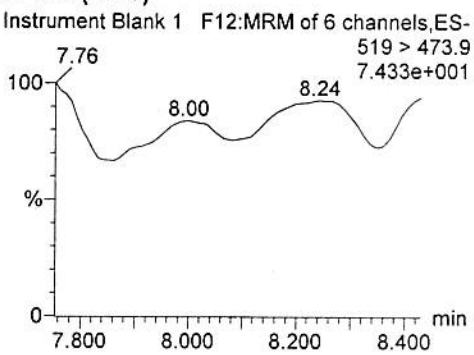
8:2 FTS (M+2)



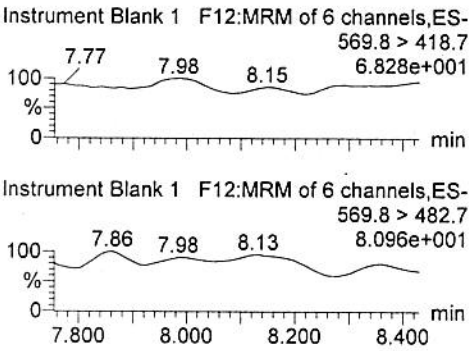
PFDA



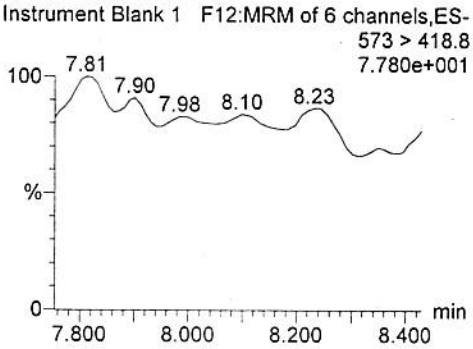
PFDA (M+6)



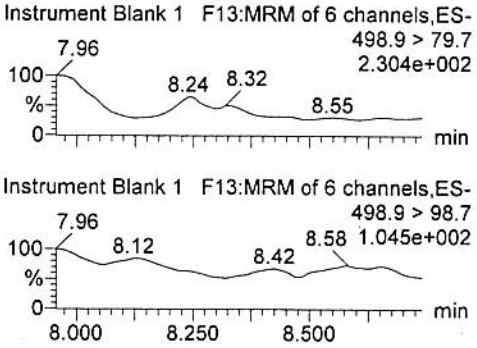
N-MeFOSAA



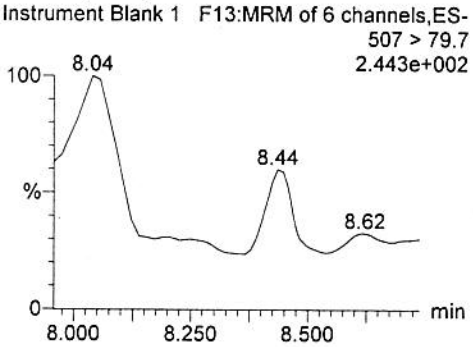
N-MeFOSAA (M+3)



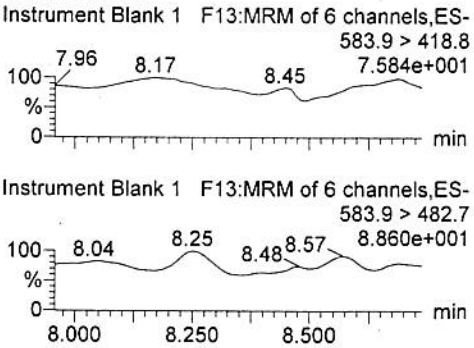
PFOS



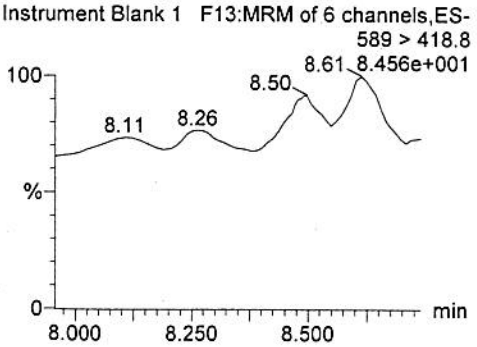
PFOS (M+8)



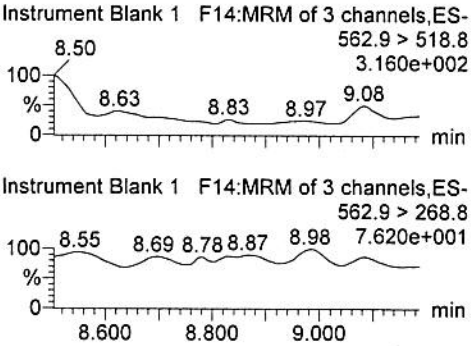
N-EtFOSAA



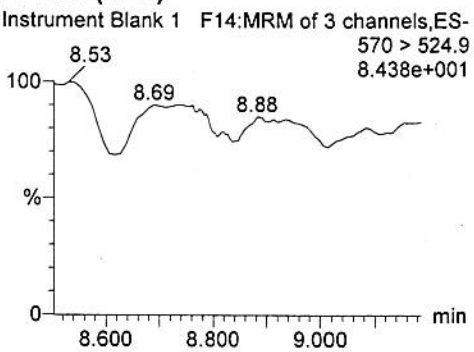
N-EtFOSAA (M+5)



PFUnA



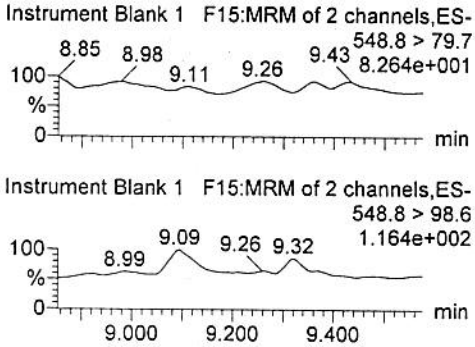
PFUnA (M+7)



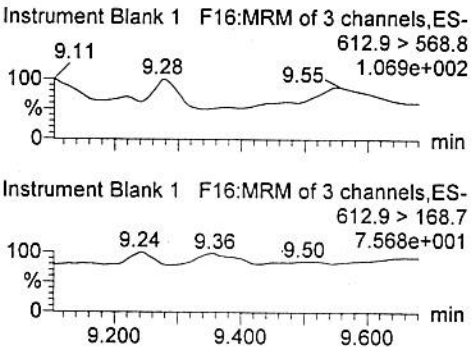
Quantify Sample Report **MassLynx 4.1 SCN919**
Instrument Name: S ITHTQ User: JG
Dataset: C:\MassLynx\PFAS_2016.PRO\20180425_ICAL.qld
Last Altered: Thursday, April 26, 2018 10:20:42 Eastern Daylight Time
Printed: Thursday, April 26, 2018 10:23:06 Eastern Daylight Time

Name: 20180425_Instrument Blank_1, Date: 25-Apr-2018, Time: 07:54:50, Description: Instrument Blank 1, Instrument: ACQ-TQD#NotSet, User: , Vial: 2:1

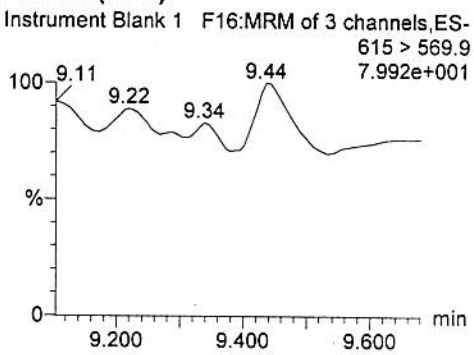
PFNS



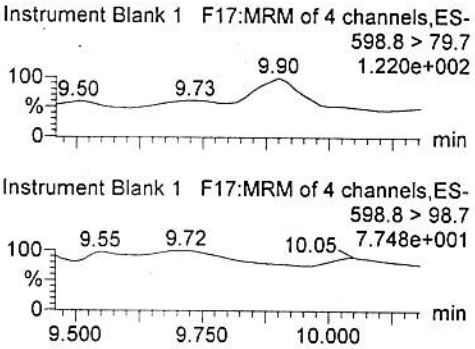
PFDoA



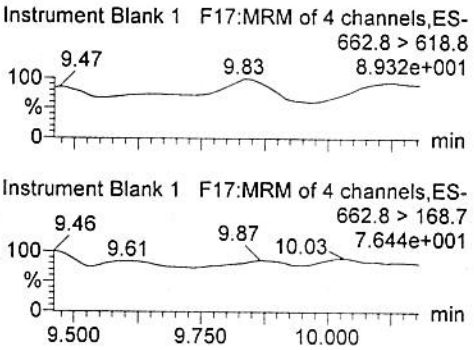
PFDoA (M+2)



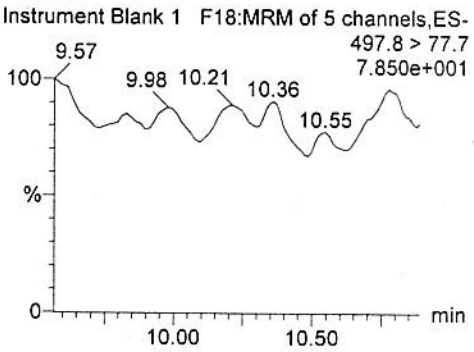
PFDS



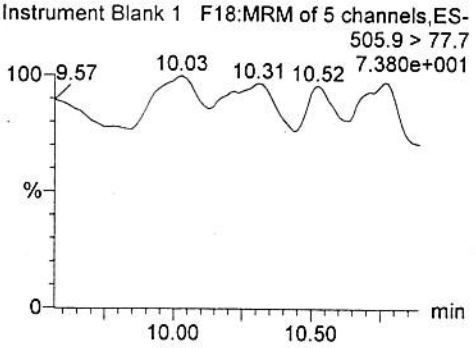
PFTrA



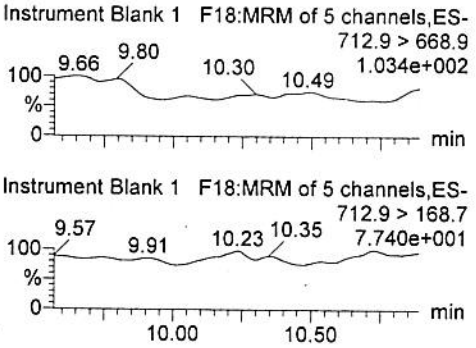
FOSA



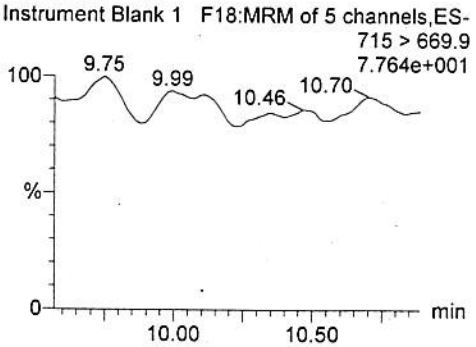
FOSA (M+8)



PFTeA



PFTeA (M+2)



Quantify Sample Report **MassLynx 4.1 SCN919**
Instrument Name: S ITHTQ User: JG
Dataset: C:\MassLynx\PFAS_2016.PRO\20180425_ICAL.qld
Last Altered: Thursday, April 26, 2018 10:20:42 Eastern Daylight Time
Printed: Thursday, April 26, 2018 10:23:06 Eastern Daylight Time

Name: 20180425_Instrument Blank_1, Date: 25-Apr-2018, Time: 07:54:50, Description: Instrument Blank 1, Instrument: ACQ-TQD#NotSet, User: , Vial: 2:1

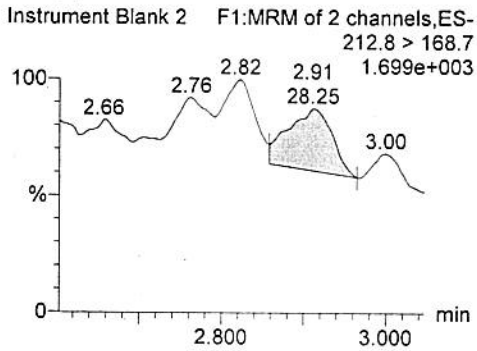
Name	Pred RT	Act RT	COD	Area	ng/L	%Dev	Response	Flags	PredRatio	ActRatio	RatioFail?
PFBA	2.90	2.83	0.998	13.2	2.344		13.168	bb			
PFBA (M+4)	2.89		0.999								
PFPeA	3.73		0.998								
PFPeA (M+5)	3.73		0.999								
4:2 FTS	4.43		0.999						1.561		
4:2 FTS (M+2)	4.43		0.999								
PFHxA	4.73	4.79	0.995	31.0	2.495		30.973	bd	8.407		
PFHxA (M+5)	4.73		0.998								
PFBS	4.91	4.94	0.999	43.6	5.966		43.569	bd	2.364		
PFBS (M+3)	4.91	4.66	0.998	10.6	6.696		10.562	bb			
HFPO-DA	5.10		0.990						1.629		
HFPO-DA (M+3)	5.09		0.989								
PFHpA	5.71	5.77	0.999	30.9	3.855		30.924	bb	3.215		
PFHpA (M+4)	5.70		0.999								
PFPeS	5.98		0.999						2.133		
6:2 FTS	6.24		0.997						1.557		
6:2 FTS (M+2)	6.24		0.998								
PFOA	6.57		0.999						2.832		
PFOA (M+8)	6.57		0.999								
PFHxS	6.91	6.67	0.998	10.1	1.136		10.089	bb	1.790		
PFHxS (M+3)	6.91		0.999								
PFNA	7.34		0.999						2.539		
PFNA (M+9)	7.34		1.000								
PFHpS	7.72		0.999						2.172		
8:2 FTS	7.72		0.996						1.112		
8:2 FTS (M+2)	7.71		0.997								
PFDA	8.05		0.963						4.897		
PFDA (M+6)	8.05		0.972								
N-MeFOSAA	8.16		0.992						1.106		
N-MeFOSAA (M+3)	8.16		0.991								
PFOS	8.45		0.999						1.994		
PFOS (M+8)	8.45		0.998								
N-EtFOSAA	8.46		0.981						1.671		
N-EtFOSAA (M+5)	8.44		0.994								
PFUnA	8.68		0.996						4.209		
PFUnA (M+7)	8.68		0.999								
PFNS	9.09		0.998						1.980		
PFDoA	9.28		0.992						5.355		
PFDoA (M+2)	9.28		0.998								
PFDS	9.69		0.836						1.504		
PFTrA	9.85		0.994						8.187		
FOSA	9.90		0.997								
FOSA (M+8)	9.90		0.998								
PFTeA	10.39		0.998						3.262		
PFTeA (M+2)	10.39		0.995								

Quantify Sample Report **MassLynx 4.1 SCN919**
Instrument Name: S ITHTQ User: JG
Dataset: C:\MassLynx\PFAS_2016.PRO\20180425_ICAL.qld
Last Altered: Thursday, April 26, 2018 10:20:42 Eastern Daylight Time
Printed: Thursday, April 26, 2018 10:23:06 Eastern Daylight Time

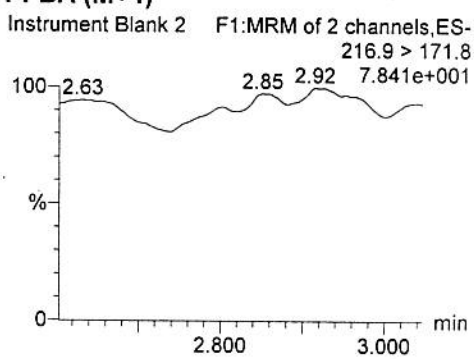
Method: C:\MassLynx\PFAS_2016.PRO\MethDB\PFAS_20180425.mdb 25 Apr 2018 10:51:51
Calibration: C:\MassLynx\PFAS_2016.PRO\CurveDB\PFC_20180425.cdb 26 Apr 2018 10:20:42

Name: 20180425_Instrument Blank_2, Date: 25-Apr-2018, Time: 08:17:15, Description: Instrument Blank 2, Instrument: ACQ-TQD#NotSet, User: , Vial: 2:2

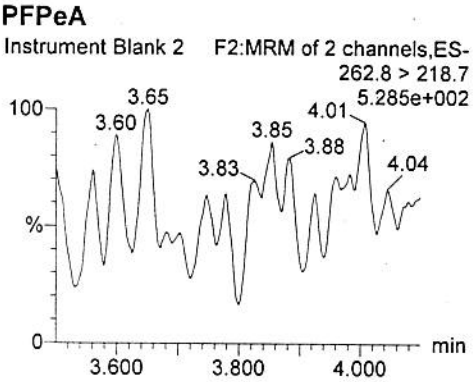
PFBA



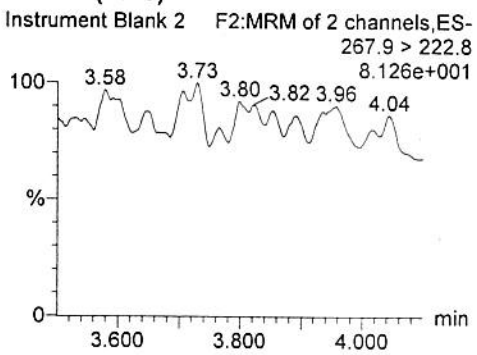
PFBA (M+4)



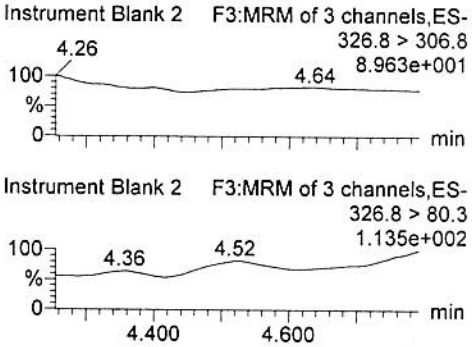
PFPeA



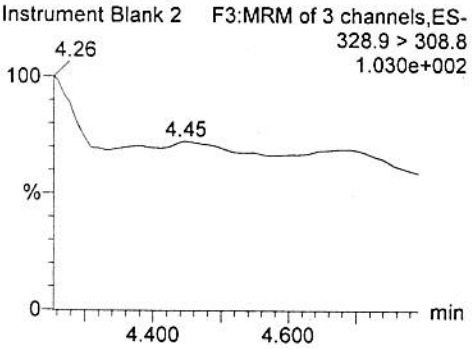
PFPeA (M+5)



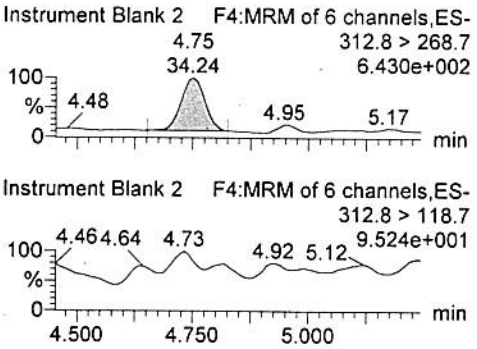
4:2 FTS



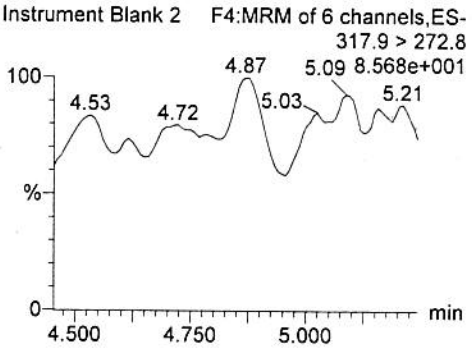
4:2 FTS (M+2)



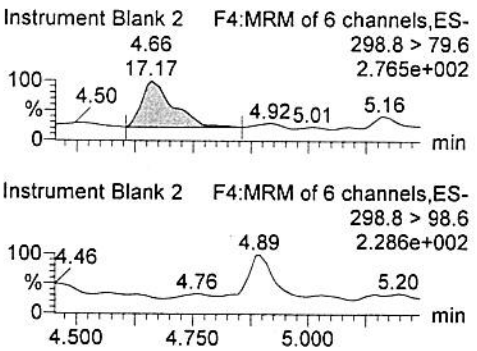
PFHxA



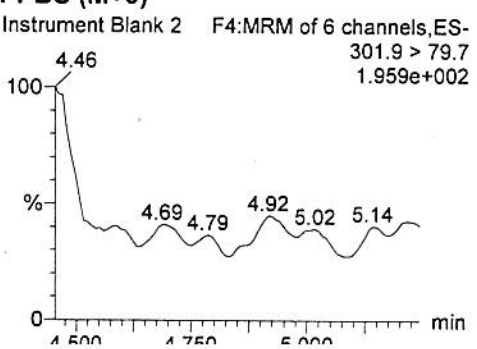
PFHxA (M+5)



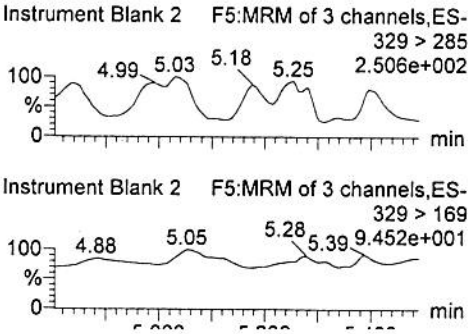
PFBS



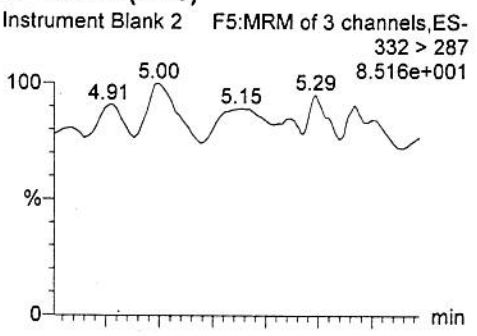
PFBS (M+3)



HFPO-DA



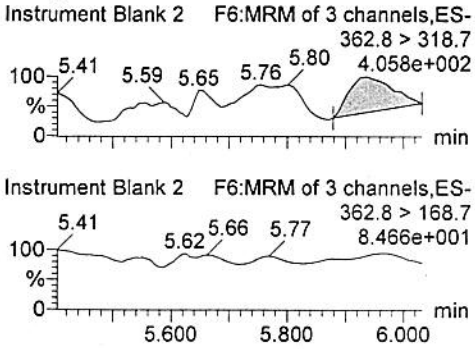
HFPO-DA (M+3)



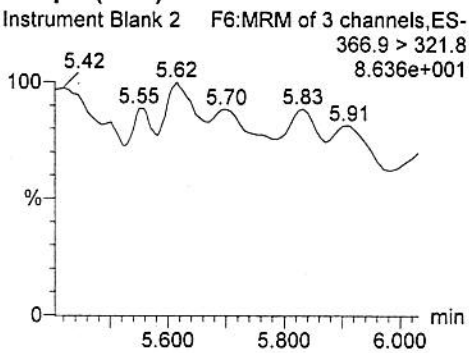
Quantify Sample Report **MassLynx 4.1 SCN919**
Instrument Name: S ITHTQ User: JG
Dataset: C:\MassLynx\PFAS_2016.PRO\20180425_ICAL.qld
Last Altered: Thursday, April 26, 2018 10:20:42 Eastern Daylight Time
Printed: Thursday, April 26, 2018 10:23:06 Eastern Daylight Time

Name: 20180425_Instrument Blank_2, Date: 25-Apr-2018, Time: 08:17:15, Description: Instrument Blank 2, Instrument: ACQ-TQD#NotSet, User: , Vial: 2:2

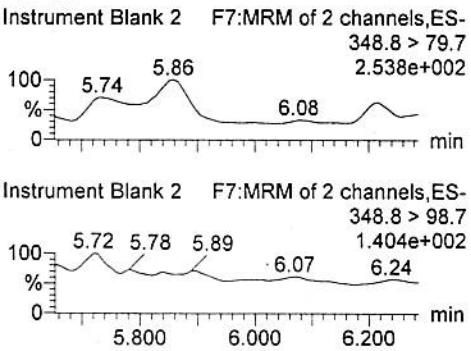
PFHpA



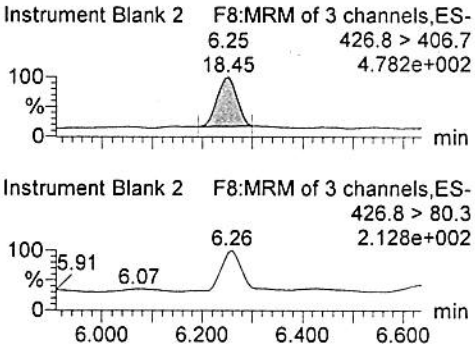
PFHpA (M+4)



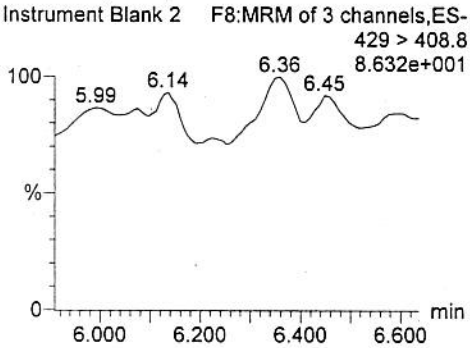
PFPeS



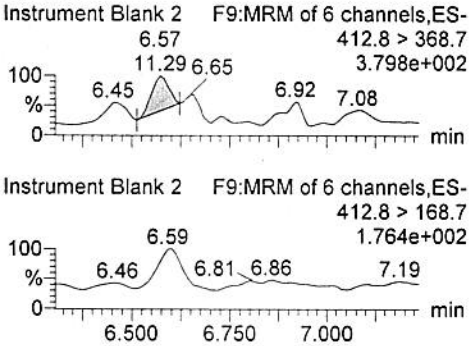
6:2 FTS



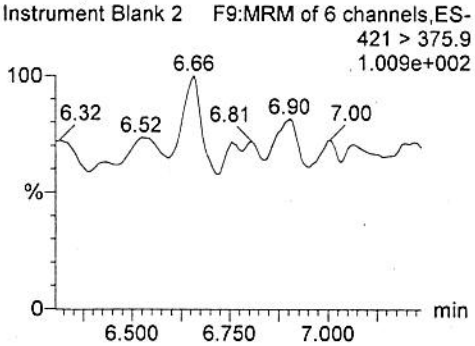
6:2 FTS (M+2)



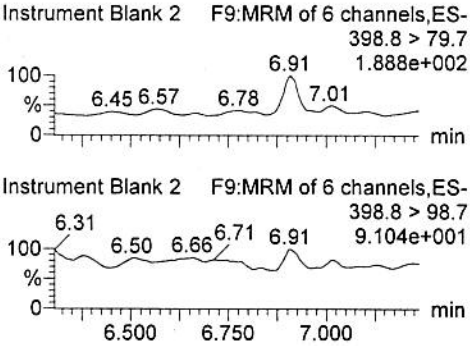
PFOA



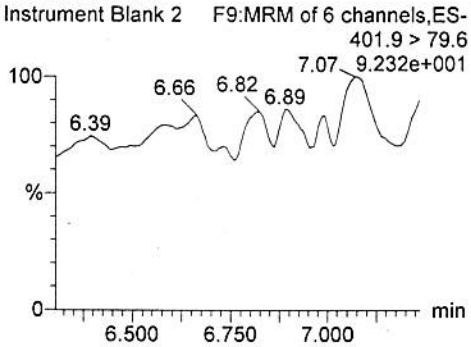
PFOA (M+8)



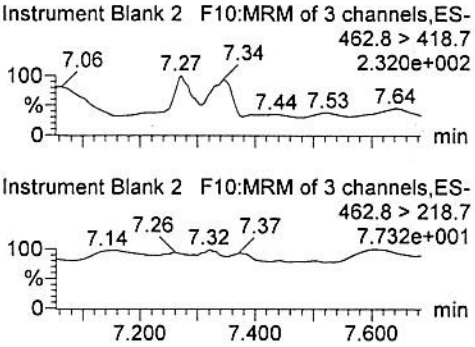
PFHxS



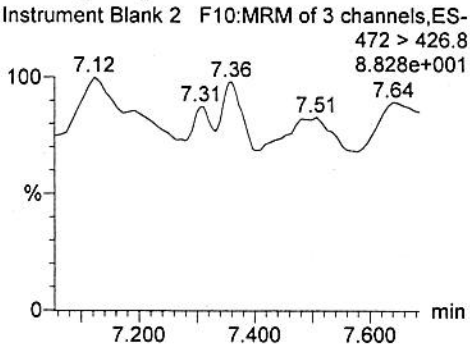
PFHxS (M+3)



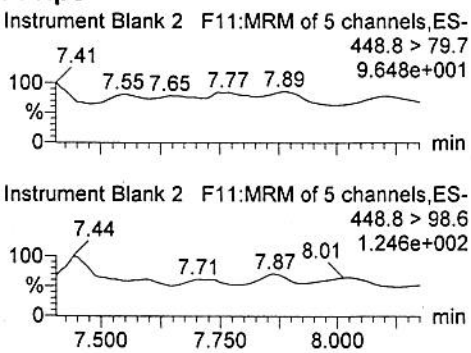
PFNA



PFNA (M+9)



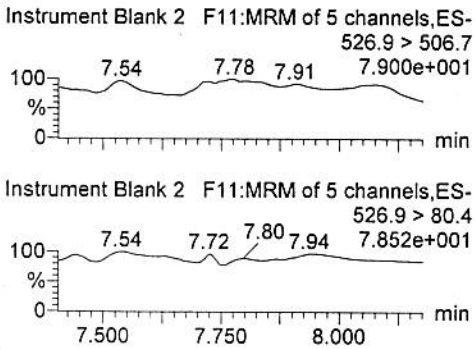
PFHpS



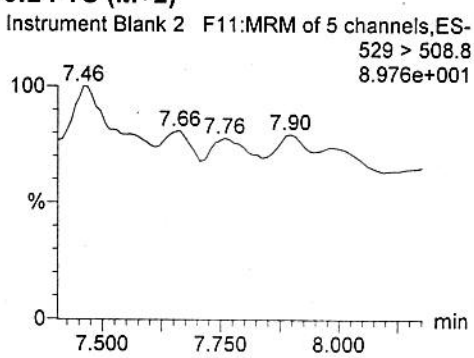
Quantify Sample Report **MassLynx 4.1 SCN919**
Instrument Name: S ITHTQ User: JG
Dataset: C:\MassLynx\PFAS_2016.PRO\20180425_ICAL.qld
Last Altered: Thursday, April 26, 2018 10:20:42 Eastern Daylight Time
Printed: Thursday, April 26, 2018 10:23:06 Eastern Daylight Time

Name: 20180425_Instrument Blank_2, Date: 25-Apr-2018, Time: 08:17:15, Description: Instrument Blank 2, Instrument: ACQ-TQD#NotSet, User: , Vial: 2:2

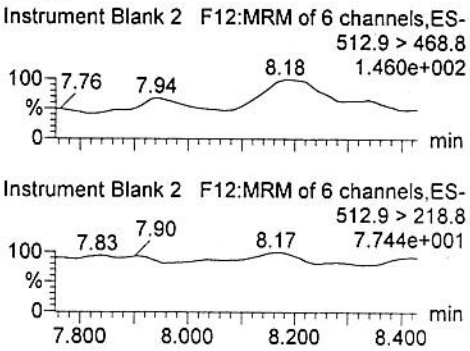
8:2 FTS



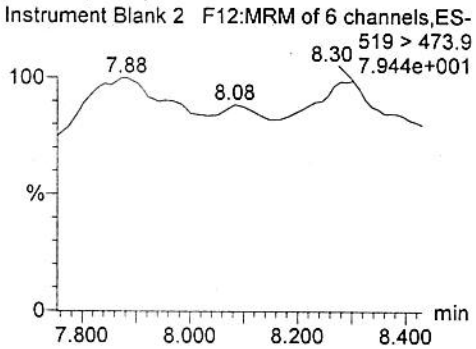
8:2 FTS (M+2)



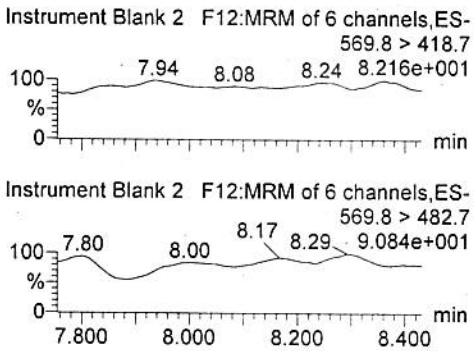
PFDA



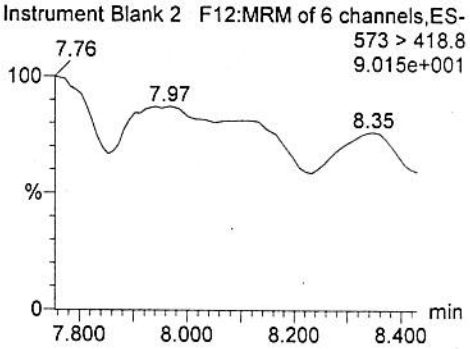
PFDA (M+6)



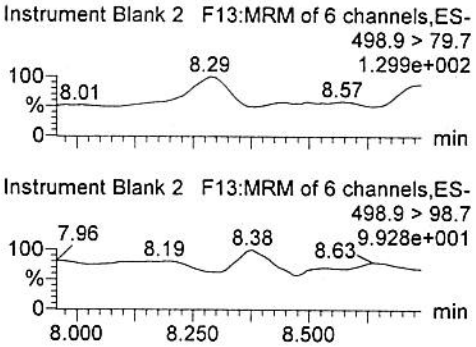
N-MeFOSAA



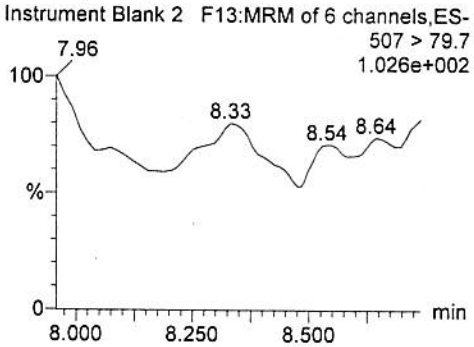
N-MeFOSAA (M+3)



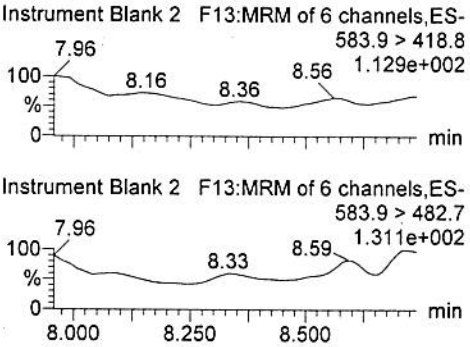
PFOS



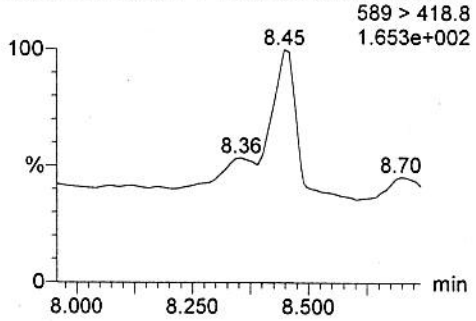
PFOS (M+8)



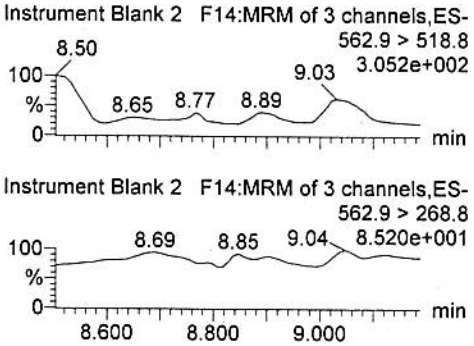
N-EtFOSAA



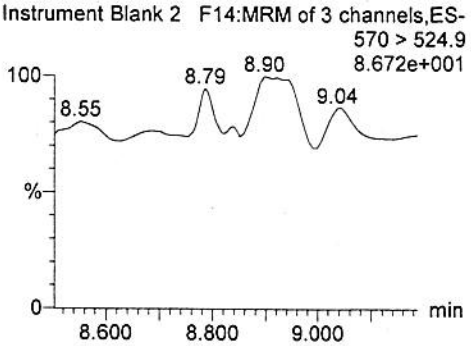
N-EtFOSAA (M+5)



PFUnA



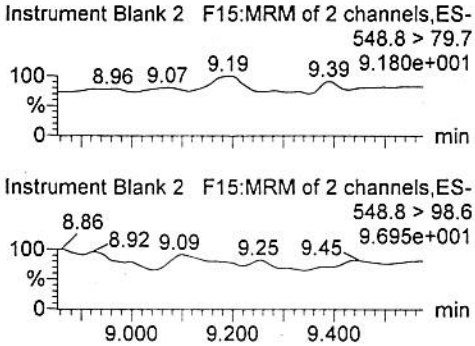
PFUnA (M+7)



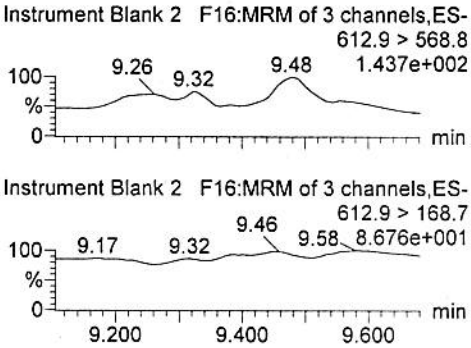
Quantify Sample Report **MassLynx 4.1 SCN919**
Instrument Name: S ITHTQ User: JG
Dataset: C:\MassLynx\PFAS_2016.PRO\20180425_ICAL.qld
Last Altered: Thursday, April 26, 2018 10:20:42 Eastern Daylight Time
Printed: Thursday, April 26, 2018 10:23:06 Eastern Daylight Time

Name: 20180425_Instrument Blank_2, Date: 25-Apr-2018, Time: 08:17:15, Description: Instrument Blank 2, Instrument: ACQ-TQD#NotSet, User: , Vial: 2:2

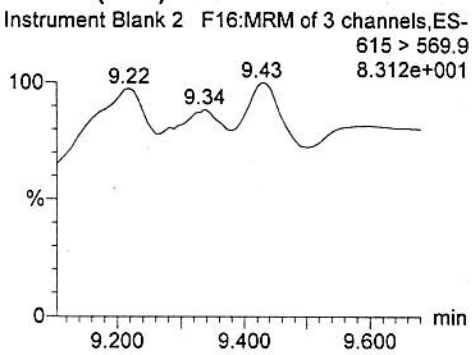
PFNS



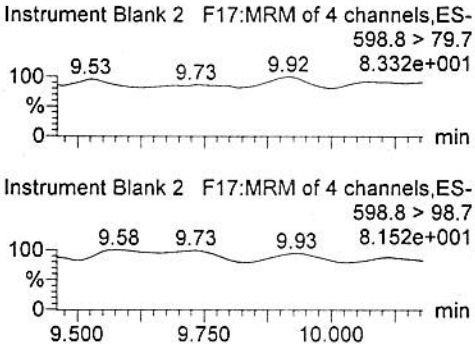
PFDoA



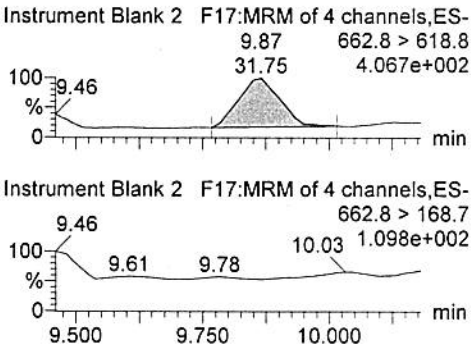
PFDoA (M+2)



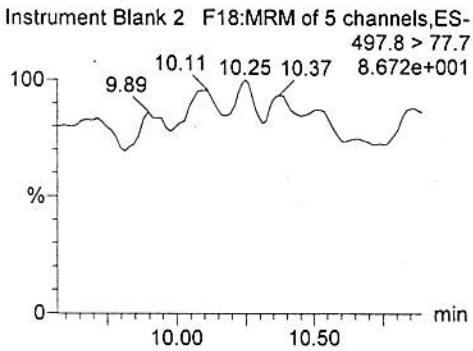
PFDS



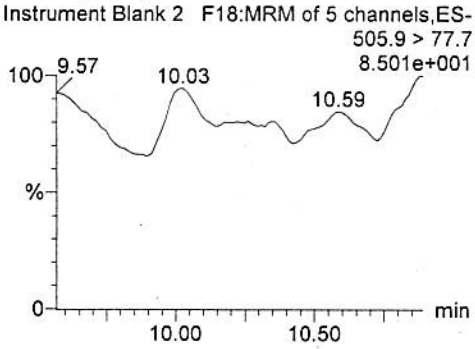
PFTrA



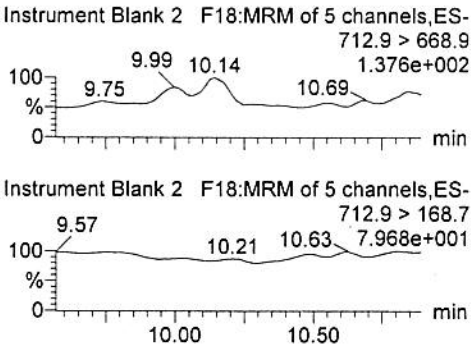
FOSA



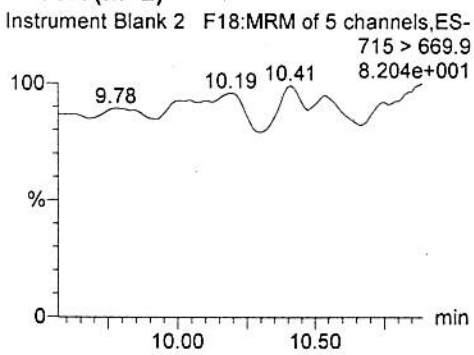
FOSA (M+8)



PFTeA



PFTeA (M+2)



Quantify Sample Report **MassLynx 4.1 SCN919**
Instrument Name: S ITHTQ User: JG
Dataset: C:\MassLynx\PFAS_2016.PRO\20180425_ICAL.qld
Last Altered: Thursday, April 26, 2018 10:20:42 Eastern Daylight Time
Printed: Thursday, April 26, 2018 10:23:06 Eastern Daylight Time

Name: 20180425_Instrument Blank_2, Date: 25-Apr-2018, Time: 08:17:15, Description: Instrument Blank 2, Instrument: ACQ-TQD#NotSet, User: , Vial: 2:2

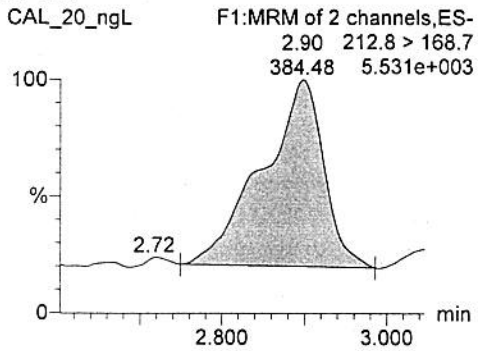
Name	Pred RT	Act RT	COD	Area	ng/L	%Dev	Response	Flags	PredRatio	ActRatio	RatioFail?
PFBA	2.90	2.91	0.998	28.2	3.218		28.249	db			
PFBA (M+4)	2.89		0.999								
PFPeA	3.73		0.998								
PFPeA (M+5)	3.73		0.999								
4:2 FTS	4.43		0.999						1.561		
4:2 FTS (M+2)	4.43		0.999								
PFHxA	4.73	4.75	0.995	34.2	2.754		34.244	bb	8.407		
PFHxA (M+5)	4.73		0.998								
PFBS	4.91	4.66	0.999	17.2	4.288		17.172	bb	2.364		
PFBS (M+3)	4.91		0.998								
HFPO-DA	5.10		0.990						1.629		
HFPO-DA (M+3)	5.09		0.989								
PFHpA	5.71	5.94	0.999	21.0	3.326		21.005	bb	3.215		
PFHpA (M+4)	5.70		0.999								
PFPeS	5.98		0.999						2.133		
6:2 FTS	6.24	6.25	0.997	18.4			18.448	bbl	1.557		
6:2 FTS (M+2)	6.24		0.998								
PFOA	6.57	6.57	0.999	11.3	0.5940		11.292	bb	2.832		
PFOA (M+8)	6.57		0.999								
PFHxS	6.91		0.998						1.790		
PFHxS (M+3)	6.91		0.999								
PFNA	7.34		0.999						2.539		
PFNA (M+9)	7.34		1.000								
PFHpS	7.72		0.999						2.172		
8:2 FTS	7.72		0.996						1.112		
8:2 FTS (M+2)	7.71		0.997								
PFDA	8.05		0.963						4.897		
PFDA (M+6)	8.05		0.972								
N-MeFOSAA	8.16		0.992						1.106		
N-MeFOSAA (M+3)	8.16		0.991								
PFOS	8.45		0.999						1.994		
PFOS (M+8)	8.45		0.998								
N-EtFOSAA	8.46		0.981						1.671		
N-EtFOSAA (M+5)	8.44		0.994								
PFUnA	8.68		0.996						4.209		
PFUnA (M+7)	8.68		0.999								
PFNS	9.09		0.998						1.980		
PFDoA	9.28		0.992						5.355		
PFDoA (M+2)	9.28		0.998								
PFDS	9.69		0.836						1.504		
PFTrA	9.85	9.87	0.994	31.8			31.755	bbl	8.187		
FOSA	9.90		0.997								
FOSA (M+8)	9.90		0.998								
PFTeA	10.39		0.998						3.262		
PFTeA (M+2)	10.39		0.995								

Quantify Sample Report **MassLynx 4.1 SCN919**
Instrument Name: S ITHTQ User: JG
Dataset: C:\MassLynx\PFAS_2016.PRO\20180425_ICAL.qld
Last Altered: Thursday, April 26, 2018 10:20:42 Eastern Daylight Time
Printed: Thursday, April 26, 2018 10:23:07 Eastern Daylight Time

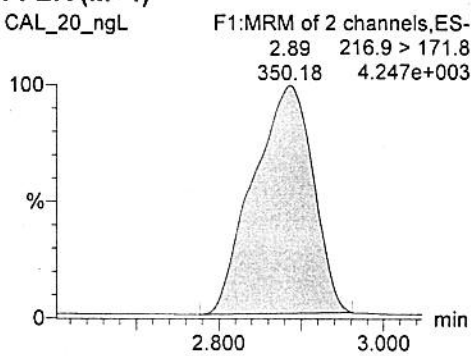
Method: C:\MassLynx\PFAS_2016.PRO\MethDB\PFAS_20180425.mdb 25 Apr 2018 10:51:51
Calibration: C:\MassLynx\PFAS_2016.PRO\CurveDB\PFC_20180425.cdb 26 Apr 2018 10:20:42

Name: 20180425_8041730_20ngL, Date: 25-Apr-2018, Time: 08:39:41, Description: CAL_20_ngL, Instrument: ACQ-TQD#NotSet, User: , Vial: 2:3

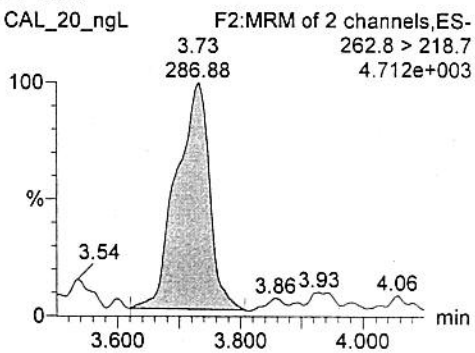
PFBA



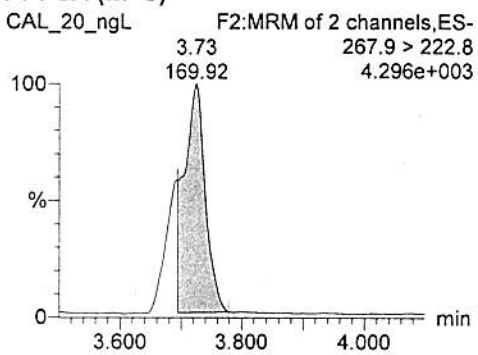
PFBA (M+4)



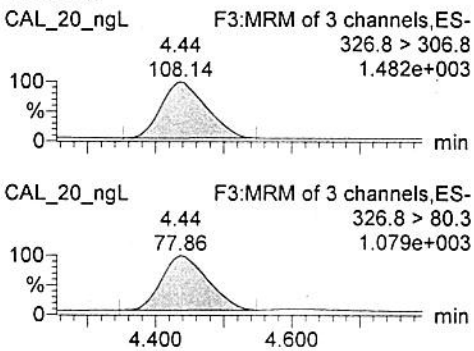
PFPeA



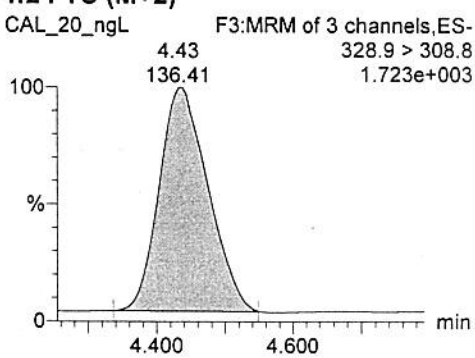
PFPeA (M+5)



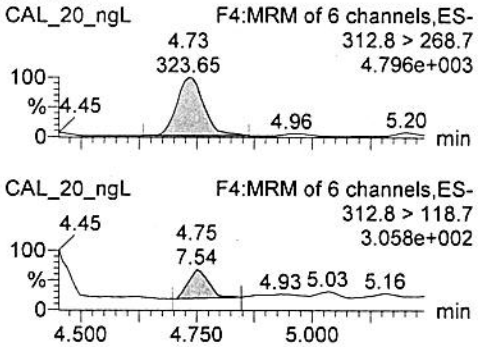
4:2 FTS



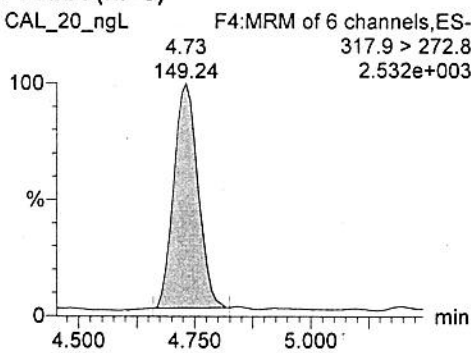
4:2 FTS (M+2)



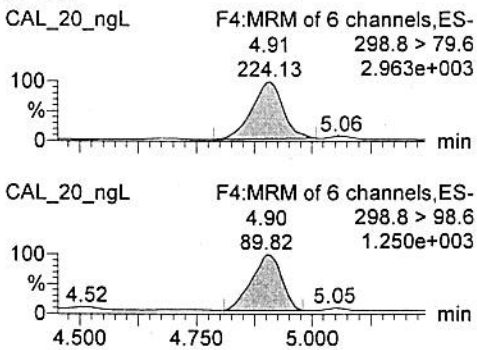
PFHxA



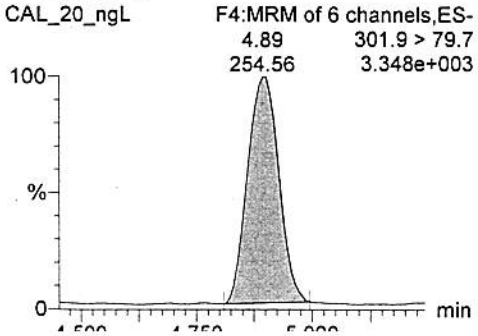
PFHxA (M+5)



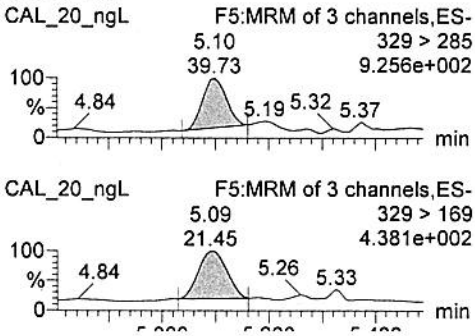
PFBS



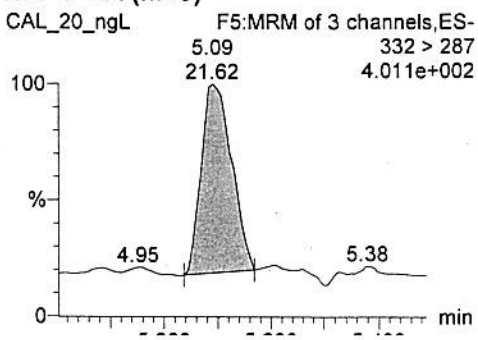
PFBS (M+3)



HFPO-DA



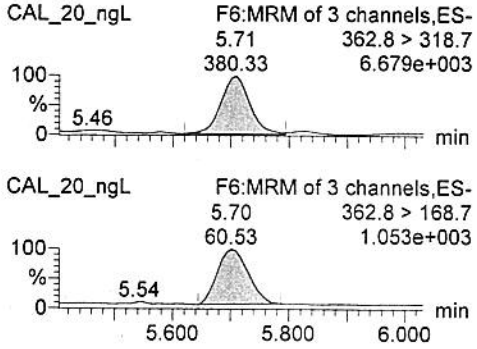
HFPO-DA (M+3)



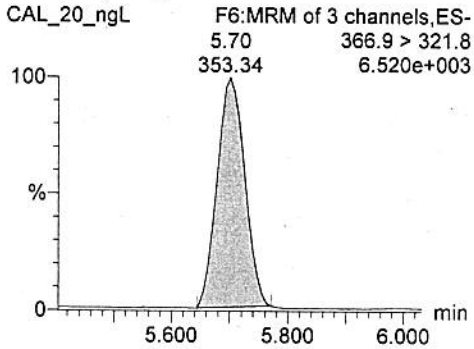
Quantify Sample Report **MassLynx 4.1 SCN919**
Instrument Name: S ITHTQ User: JG
Dataset: C:\MassLynx\PFAS_2016.PRO\20180425_ICAL.qld
Last Altered: Thursday, April 26, 2018 10:20:42 Eastern Daylight Time
Printed: Thursday, April 26, 2018 10:23:07 Eastern Daylight Time

Name: 20180425_8041730_20ngL, Date: 25-Apr-2018, Time: 08:39:41, Description: CAL_20_ngL, Instrument: ACQ-TQD#NotSet, User: , Vial: 2:3

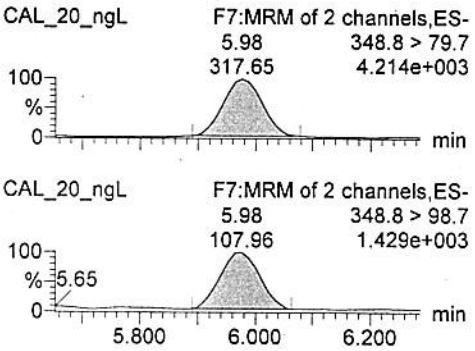
PFHpA



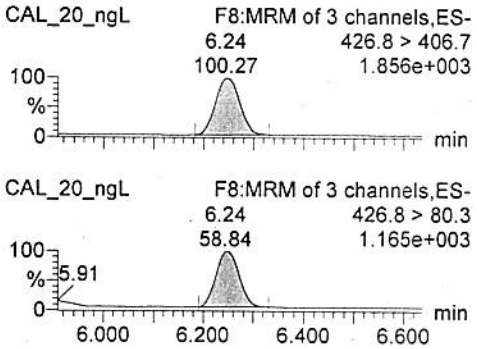
PFHpA (M+4)



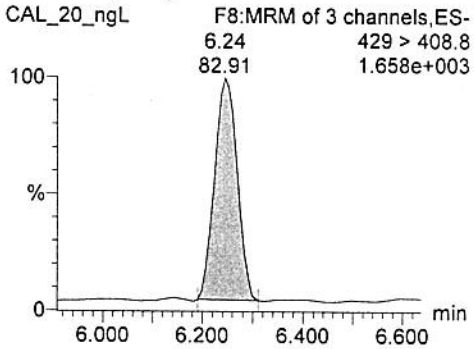
PFPeS



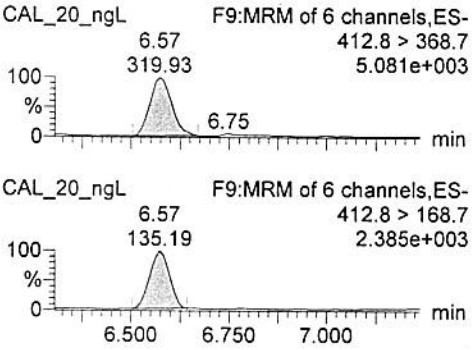
6:2 FTS



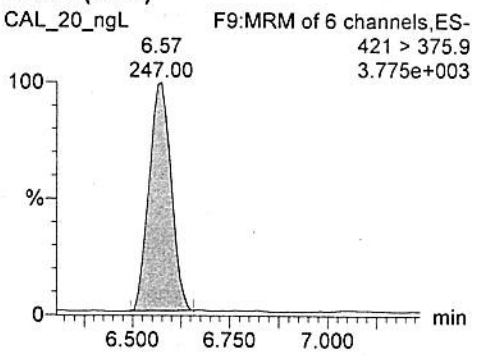
6:2 FTS (M+2)



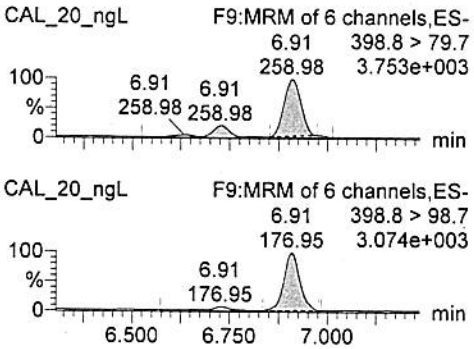
PFOA



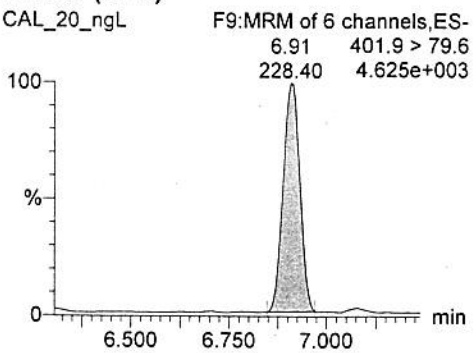
PFOA (M+8)



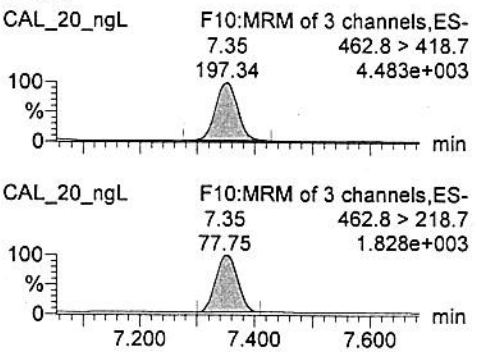
PFHxS



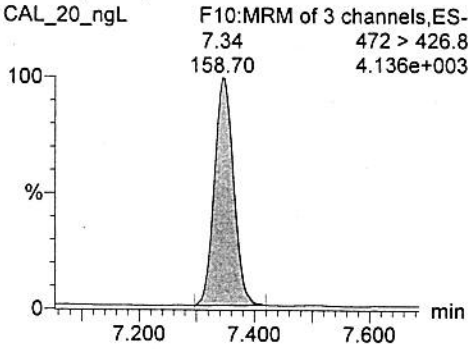
PFHxS (M+3)



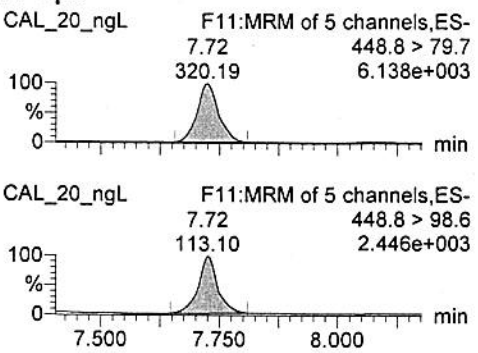
PFNA



PFNA (M+9)



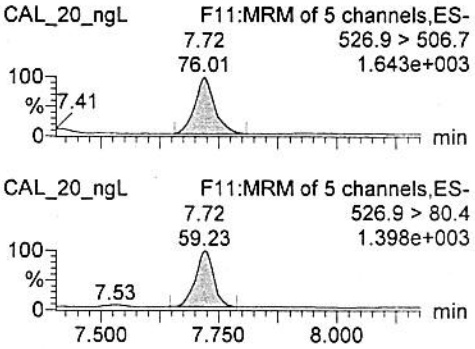
PFHpS



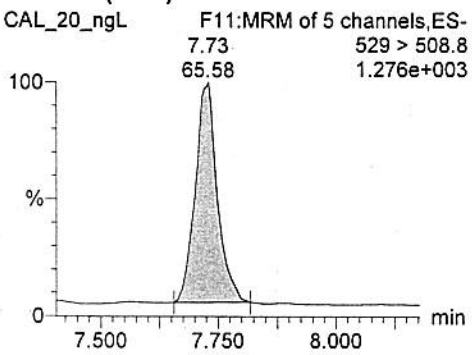
Quantify Sample Report **MassLynx 4.1 SCN919**
Instrument Name: S ITHTQ User: JG
Dataset: C:\MassLynx\PFAS_2016.PRO\20180425_ICAL.qld
Last Altered: Thursday, April 26, 2018 10:20:42 Eastern Daylight Time
Printed: Thursday, April 26, 2018 10:23:07 Eastern Daylight Time

Name: 20180425_8041730_20ngL, Date: 25-Apr-2018, Time: 08:39:41, Description: CAL_20_ngL, Instrument: ACQ-TQD#NotSet, User: , Vial: 2:3

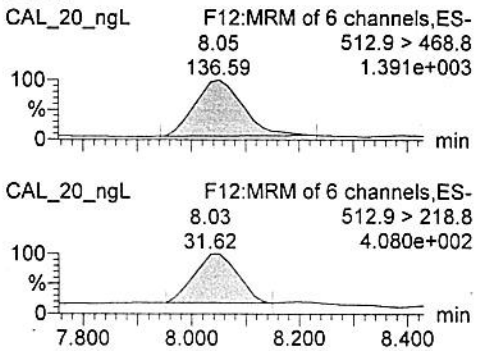
8:2 FTS



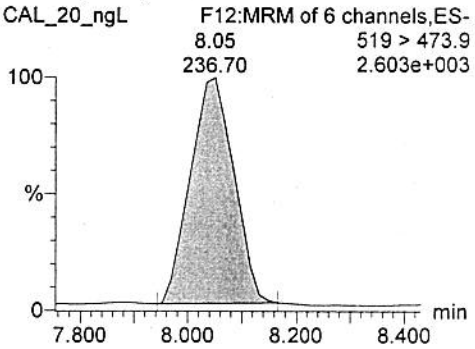
8:2 FTS (M+2)



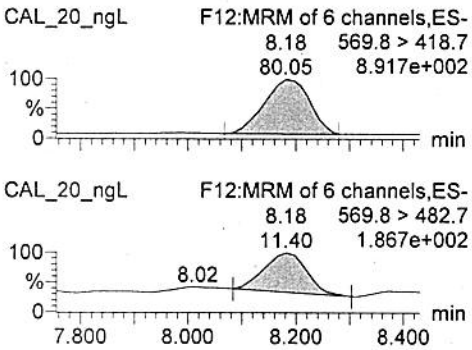
PFDA



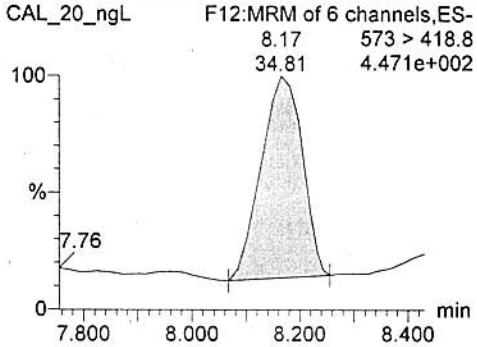
PFDA (M+6)



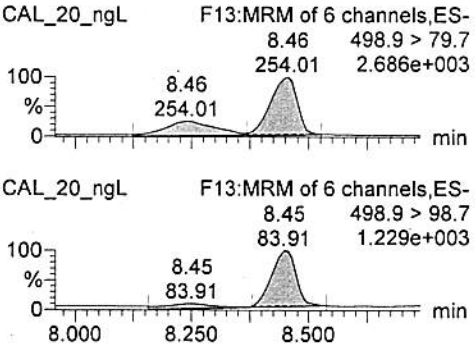
N-MeFOSAA



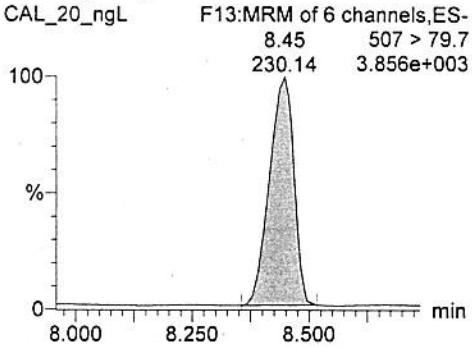
N-MeFOSAA (M+3)



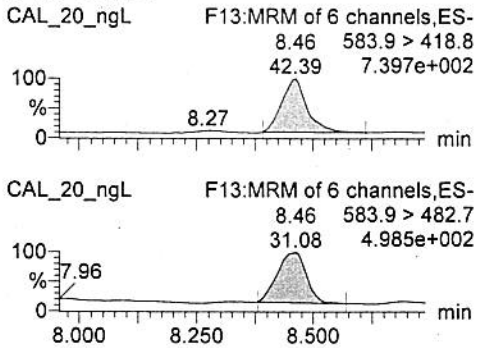
PFOS



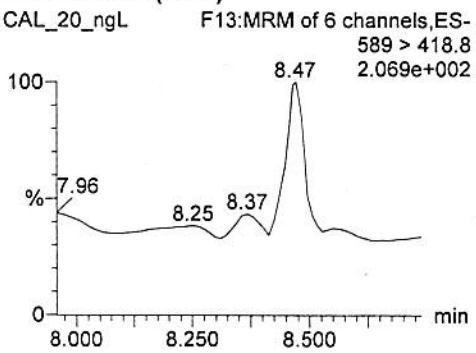
PFOS (M+8)



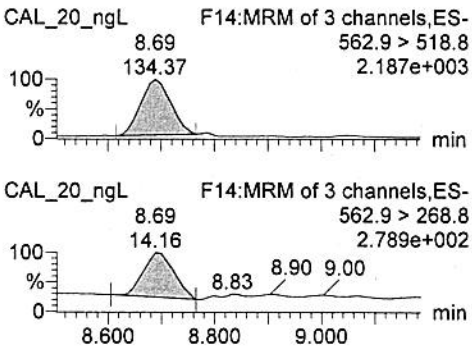
N-EtFOSAA



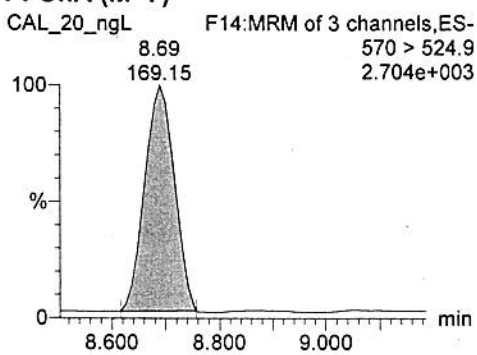
N-EtFOSAA (M+5)



PFUnA



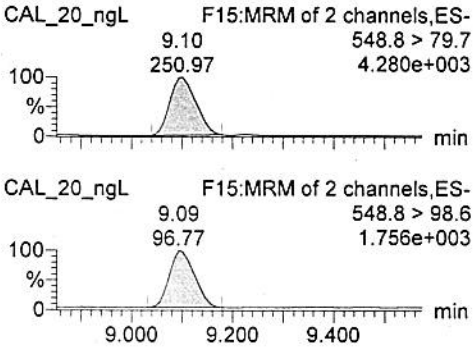
PFUnA (M+7)



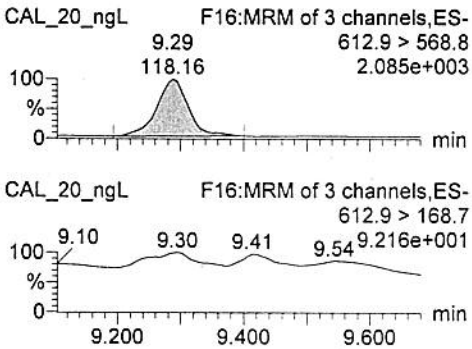
Quantify Sample Report **MassLynx 4.1 SCN919**
Instrument Name: S ITHTQ User: JG
Dataset: C:\MassLynx\PFAS_2016.PRO\20180425_ICAL.qld
Last Altered: Thursday, April 26, 2018 10:20:42 Eastern Daylight Time
Printed: Thursday, April 26, 2018 10:23:07 Eastern Daylight Time

Name: 20180425_8041730_20ngL, Date: 25-Apr-2018, Time: 08:39:41, Description: CAL_20_ngL, Instrument: ACQ-TQD#NotSet, User: , Vial: 2:3

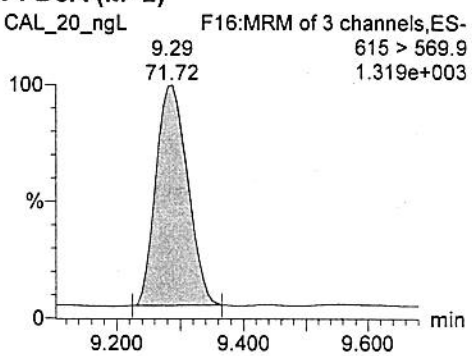
PFNS



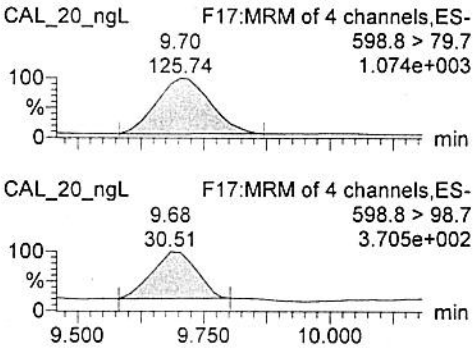
PFDoA



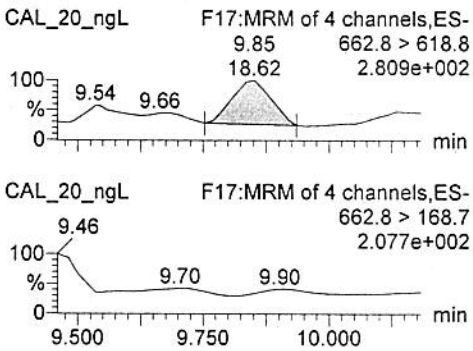
PFDoA (M+2)



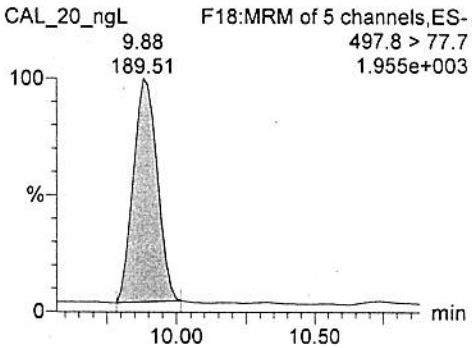
PFDS



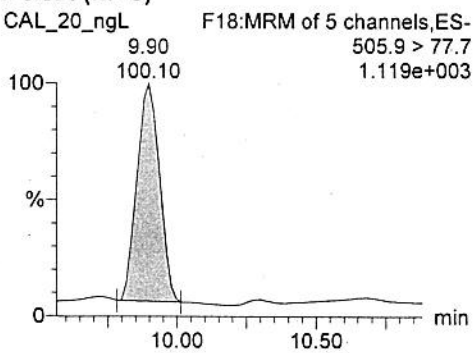
PFTrA



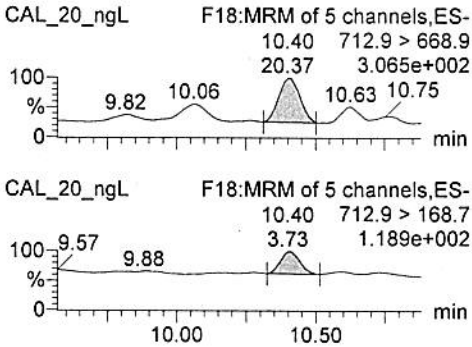
FOSA



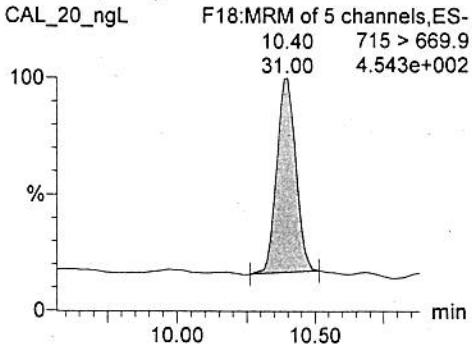
FOSA (M+8)



PFTeA



PFTeA (M+2)



Quantify Sample Report **MassLynx 4.1 SCN919**
Instrument Name: S ITHTQ User: JG
Dataset: C:\MassLynx\PFAS_2016.PRO\20180425_ICAL.qld
Last Altered: Thursday, April 26, 2018 10:20:42 Eastern Daylight Time
Printed: Thursday, April 26, 2018 10:23:07 Eastern Daylight Time

Name: 20180425_8041730_20ngL, Date: 25-Apr-2018, Time: 08:39:41, 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	2.90	0.998	384.5	23.86	19.3	384.479	bb			
PFBA (M+4)	2.89	2.89	0.999	350.2	22.25	11.3	350.177	bb			
PFPeA	3.73	3.73	0.998	286.9	22.42	12.1	286.883	bb			
PFPeA (M+5)	3.73	3.73	0.999	169.9	18.50	-7.5	169.918	db			
4:2 FTS	4.43	4.44	0.999	108.1	19.24	2.9	108.141	bb	1.561	1.389	NO
4:2 FTS (M+2)	4.43	4.43	0.999	136.4	18.75	0.3	136.407	bb			
PFHxA	4.73	4.73	0.995	323.6	25.64	28.2	323.646	bb	8.407	42.941	YES
PFHxA (M+5)	4.73	4.73	0.998	149.2	19.29	-3.6	149.239	bb			
PFBS	4.91	4.91	0.999	224.1	17.44	-1.4	224.130	bb	2.364	2.495	NO
PFBS (M+3)	4.91	4.89	0.998	254.6	19.60	5.4	254.564	bb			
HFPO-DA	5.10	5.10	0.990	39.7	13.36	-33.2	39.731	bbX	1.629	1.852	NO
HFPO-DA (M+3)	5.09	5.09	0.989	21.6	26.52	32.6	21.617	bb			
PFHpA	5.71	5.71	0.999	380.3	22.49	12.4	380.332	bd	3.215	6.284	YES
PFHpA (M+4)	5.70	5.70	0.999	353.3	22.33	11.7	353.341	bb			
PFPeS	5.98	5.98	0.999	317.7	20.23	7.6	317.651	bb	2.133	2.942	YES
6:2 FTS	6.24	6.24	0.997	100.3	16.69	-12.1	100.272	bb	1.557	1.704	NO
6:2 FTS (M+2)	6.24	6.24	0.998	82.9	18.85	-0.8	82.908	bb			
PFOA	6.57	6.57	0.999	319.9	21.18	5.9	319.934	bb	2.832	2.367	NO
PFOA (M+8)	6.57	6.57	0.999	247.0	23.93	19.6	246.997	bb			
PFHxS	6.91	6.91	0.998	259.0	18.98	4.1	258.980	MM JG	1.790	1.464	NO
PFHxS (M+3)	6.91	6.91	0.999	228.4	16.57	-12.3	228.398	bb 4/26/18			
PFNA	7.34	7.35	0.999	197.3	19.54	-2.3	197.339	bb	2.539	2.538	NO
PFNA (M+9)	7.34	7.34	1.000	158.7	19.71	-1.5	158.698	bb			
PFHpS	7.72	7.72	0.999	320.2	21.07	10.9	320.186	bb	2.172	2.831	NO
8:2 FTS	7.72	7.72	0.996	76.0	20.04	13.2	76.013	bb	1.112	1.283	NO
8:2 FTS (M+2)	7.71	7.73	0.997	65.6	39.20	121.5	65.585	bbX			
PFDA	8.05	8.05	0.963	136.6	14.00	-30.0	136.586	bb	4.897	4.320	NO
PFDA (M+6)	8.05	8.05	0.972	236.7	24.46	22.3	236.696	bb			
N-MeFOSAA	8.16	8.18	0.992	80.0	50.67	153.4	80.046	bbX	1.106	7.020	YES
N-MeFOSAA (M+3)	8.16	8.17	0.991	34.8	18.18	-9.1	34.806	bb			
PFOS	8.45	8.46	0.999	254.0	18.71	1.1	254.010	MM JG	1.994	3.027	YES
PFOS (M+8)	8.45	8.45	0.998	230.1	19.83	3.6	230.136	bb 4/26/18			
N-EtFOSAA	8.46	8.46	0.981	42.4	26.08	30.4	42.393	bb	1.671	1.364	NO
N-EtFOSAA (M+5)	8.44		0.994								
PFUnA	8.68	8.69	0.996	134.4	19.34	-3.3	134.369	bb	4.209	9.490	YES
PFUnA (M+7)	8.68	8.69	0.999	169.1	22.98	14.9	169.148	bb			
PFNS	9.09	9.10	0.998	251.0	21.47	21.3	250.965	bb	1.980	2.594	NO
PFDoA	9.28	9.29	0.992	118.2	25.88	29.4	118.160	bb	5.355		
PFDoA (M+2)	9.28	9.29	0.998	71.7	20.67	3.3	71.723	bb			
PFDS	9.69	9.70	0.836	125.7	9.211	-52.3	125.743	bb	1.504	4.122	YES
PFTrA	9.85	9.85	0.994	18.6		-100.0	18.617	bbXI	8.187		
FOSA	9.90	9.88	0.997	189.5	21.84	9.2	189.515	bb			
FOSA (M+8)	9.90	9.90	0.998	100.1	20.99	4.9	100.100	bb			
PFTeA	10.39	10.40	0.998	20.4	43.05	115.3	20.367	bbX	3.262	5.463	YES
PFTeA (M+2)	10.39	10.40	0.995	31.0	41.38	106.9	30.999	bbX			

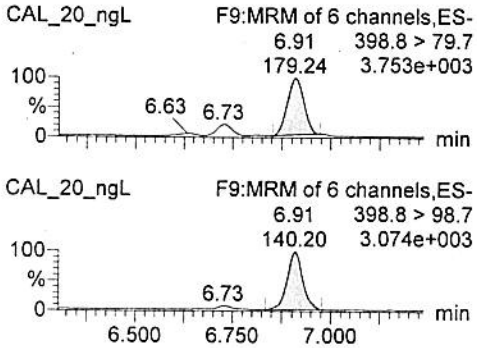
JV 4/26/18

Quantify Sample Report **MassLynx 4.1 SCN919**
Instrument Name: S ITHTQ User: JG
Dataset: Untitled
Last Altered: Thursday, April 26, 2018 10:32:18 Eastern Daylight Time
Printed: Thursday, April 26, 2018 10:32:26 Eastern Daylight Time

Method: C:\MassLynx\PFAS_2016.PRO\MethDB\PFAS_20180425.mdb 25 Apr 2018 10:51:51
Calibration: 26 Apr 2018 10:32:18

Name: 20180425_8041730_20ngL, Date: 25-Apr-2018, Time: 08:39:41, Description: CAL_20_ngL, Instrument: ACQ-TQD#NotSet, User: , Vial: 2:3

PFHxS



original
JC 4/26/18
JV 4/26/18

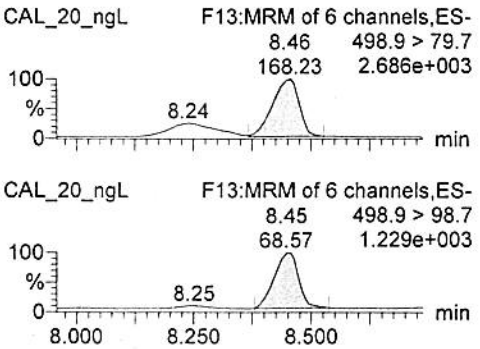
Name	Pred RT	Act RT	COD	Area	ng/L	%Dev	Response	Flags	PredRatio	ActRatio	RatioFail?
PFHxS	6.91	6.91	0.998	179.2	17.77	-2.6	179.241	bb	1.790	1.278	NO

Quantify Sample Report **MassLynx 4.1 SCN919**
Instrument Name: S ITHTQ User: JG
Dataset: Untitled
Last Altered: Thursday, April 26, 2018 10:32:18 Eastern Daylight Time
Printed: Thursday, April 26, 2018 10:33:05 Eastern Daylight Time

Method: C:\MassLynx\PFAS_2016.PRO\MethDB\PFAS_20180425.mdb 25 Apr 2018 10:51:51
Calibration: 26 Apr 2018 10:32:18

Name: 20180425_8041730_20ngL, Date: 25-Apr-2018, Time: 08:39:41, Description: CAL_20_ngL, Instrument: ACQ-TQD#NotSet, User: , Vial: 2:3

PFOS



original
JG 4/26/18
JV 4/26/18

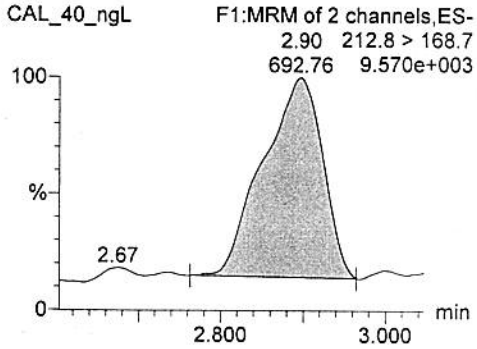
Name	Pred RT	Act RT	COD	Area	ng/L	%Dev	Response	Flags	PredRatio	ActRatio	RatioFail?
PFOS	8.45	8.46	0.998	168.2	17.04	-7.9	168.233	db	1.994	2.453	NO

Quantify Sample Report **MassLynx 4.1 SCN919**
Instrument Name: S ITHTQ User: JG
Dataset: C:\MassLynx\PFAS_2016.PRO\20180425_ICAL.qld
Last Altered: Thursday, April 26, 2018 10:20:42 Eastern Daylight Time
Printed: Thursday, April 26, 2018 10:23:08 Eastern Daylight Time

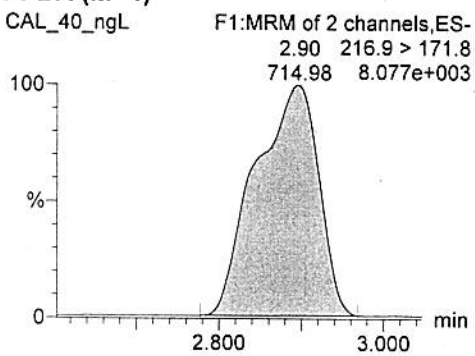
Method: C:\MassLynx\PFAS_2016.PRO\MethDB\PFAS_20180425.mdb 25 Apr 2018 10:51:51
Calibration: C:\MassLynx\PFAS_2016.PRO\CurveDB\PFC_20180425.cdb 26 Apr 2018 10:20:42

Name: 20180425_8041729_40ngL, Date: 25-Apr-2018, Time: 09:02:08, Description: CAL_40_ngL, Instrument: ACQ-TQD#NotSet, User: , Vial: 2:4

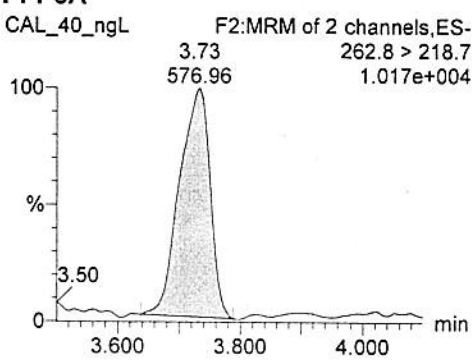
PFBA



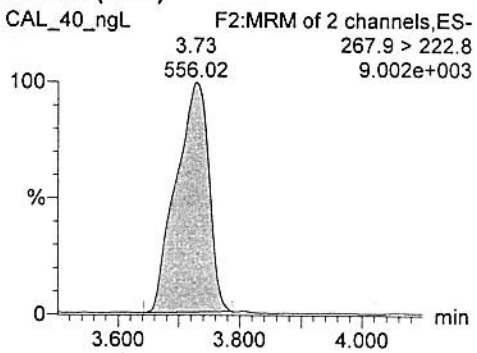
PFBA (M+4)



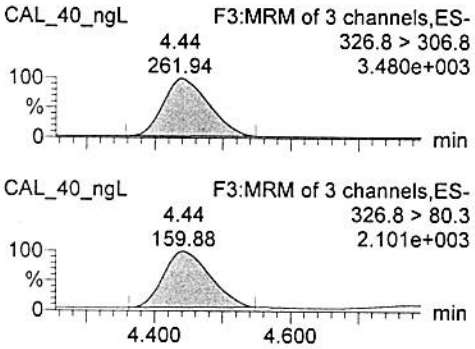
PFPeA



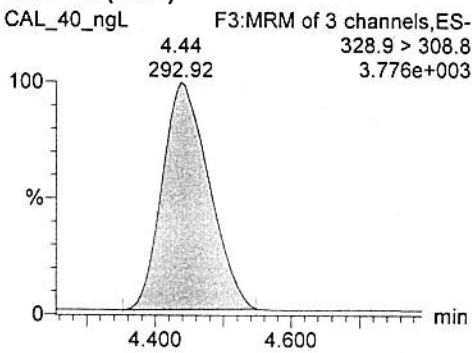
PFPeA (M+5)



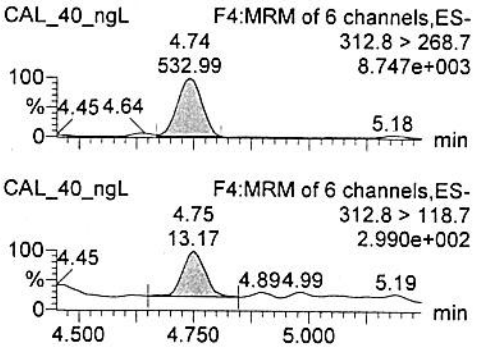
4:2 FTS



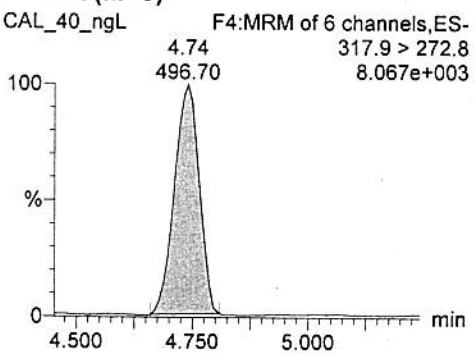
4:2 FTS (M+2)



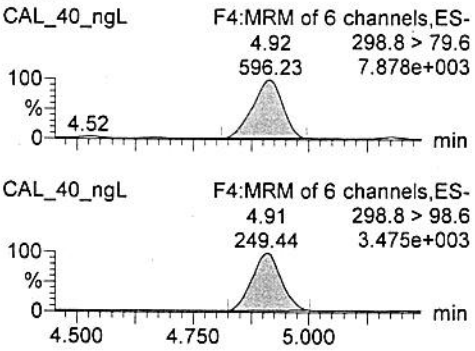
PFHxA



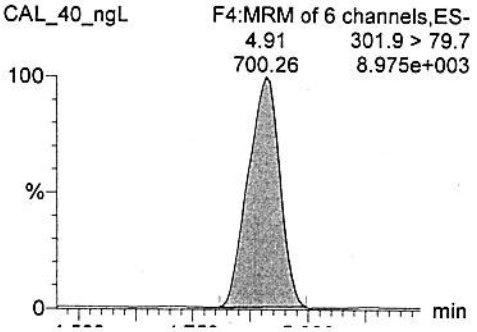
PFHxA (M+5)



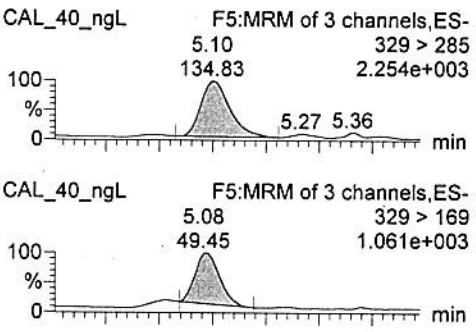
PFBS



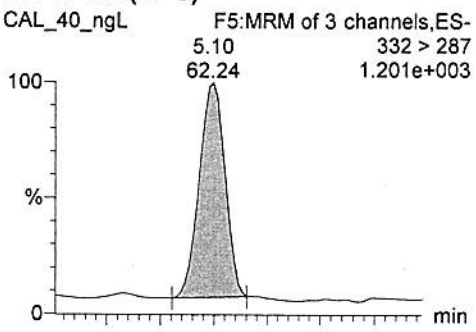
PFBS (M+3)



HFPO-DA



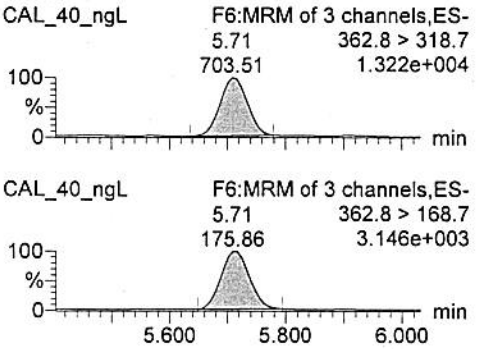
HFPO-DA (M+3)



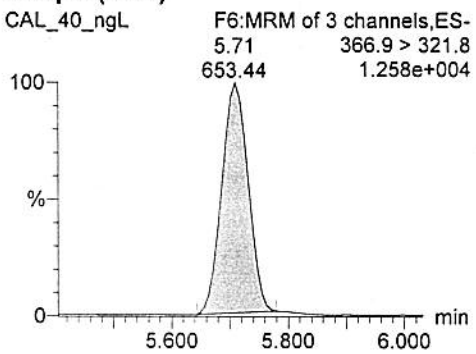
Quantify Sample Report **MassLynx 4.1 SCN919**
Instrument Name: S ITHTQ User: JG
Dataset: C:\MassLynx\PFAS_2016.PRO\20180425_ICAL.qld
Last Altered: Thursday, April 26, 2018 10:20:42 Eastern Daylight Time
Printed: Thursday, April 26, 2018 10:23:08 Eastern Daylight Time

Name: 20180425_8041729_40ngL, Date: 25-Apr-2018, Time: 09:02:08, Description: CAL_40_ngL, Instrument: ACQ-TQD#NotSet, User: , Vial: 2:4

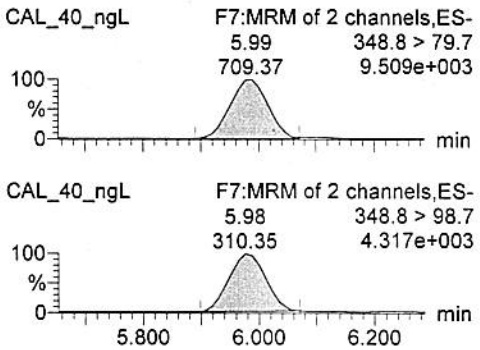
PFHpA



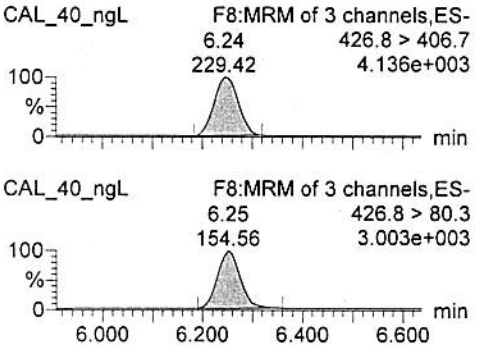
PFHpA (M+4)



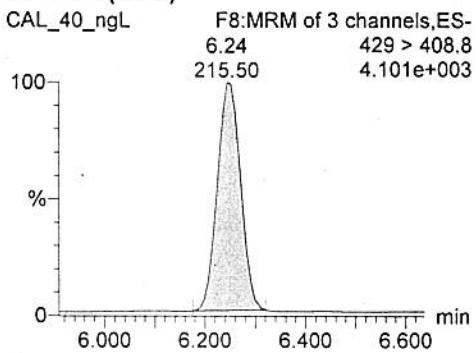
PFPeS



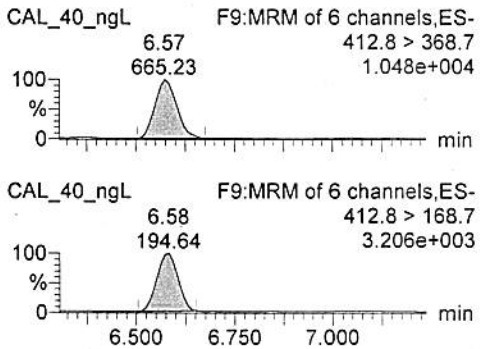
6:2 FTS



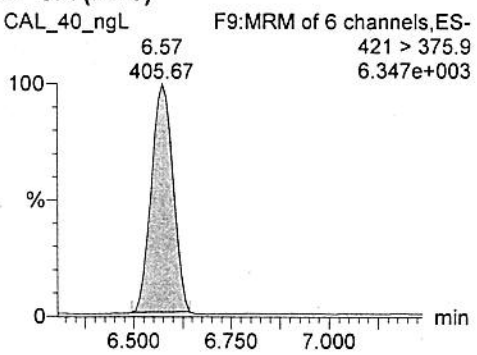
6:2 FTS (M+2)



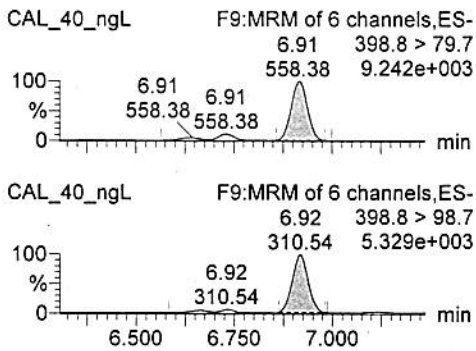
PFOA



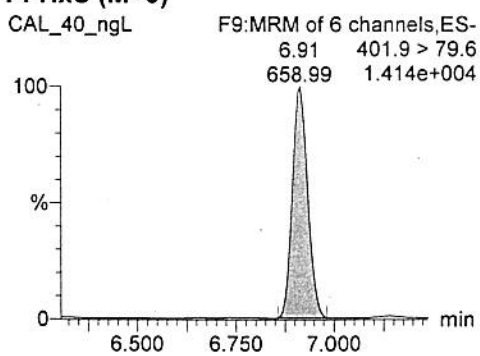
PFOA (M+8)



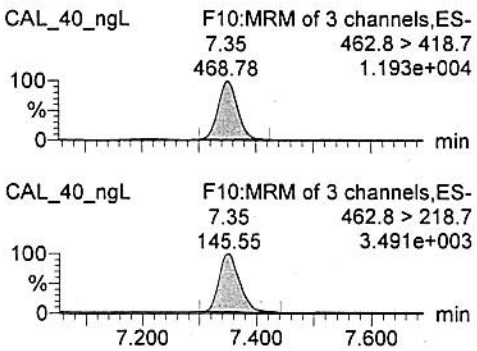
PFHxS



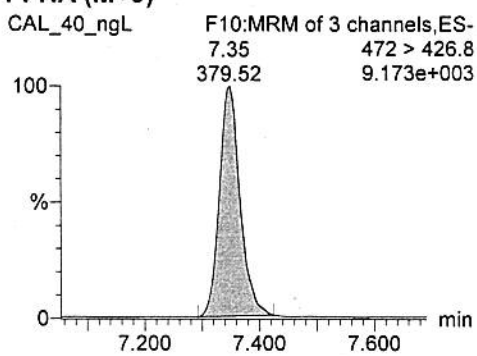
PFHxS (M+3)



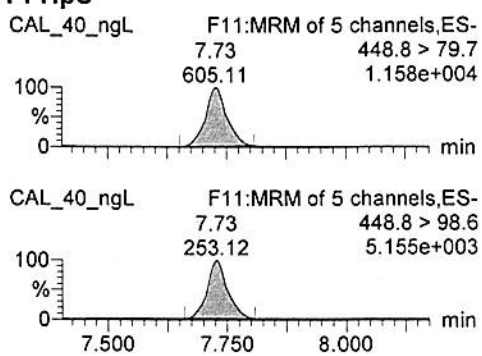
PFNA



PFNA (M+9)



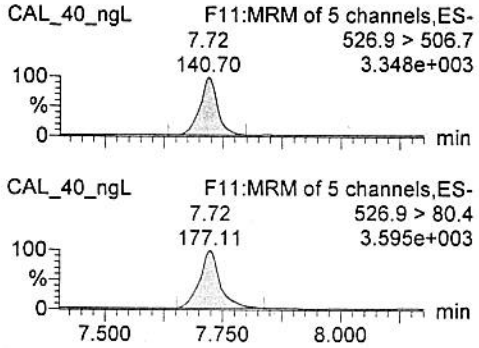
PFHpS



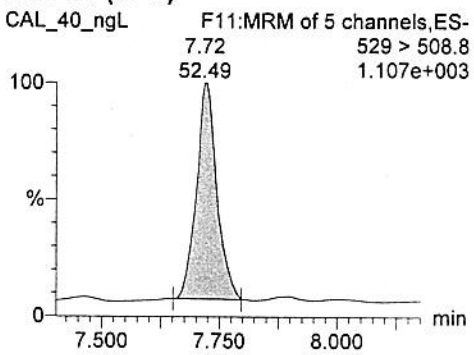
Quantify Sample Report **MassLynx 4.1 SCN919**
Instrument Name: S ITHTQ User: JG
Dataset: C:\MassLynx\PFAS_2016.PRO\20180425_ICAL.qld
Last Altered: Thursday, April 26, 2018 10:20:42 Eastern Daylight Time
Printed: Thursday, April 26, 2018 10:23:08 Eastern Daylight Time

Name: 20180425_8041729_40ngL, Date: 25-Apr-2018, Time: 09:02:08, Description: CAL_40_ngL, Instrument: ACQ-TQD#NotSet, User: , Vial: 2:4

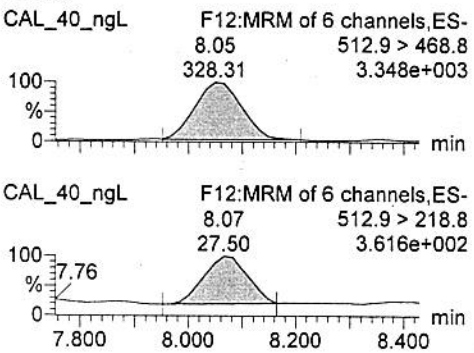
8:2 FTS



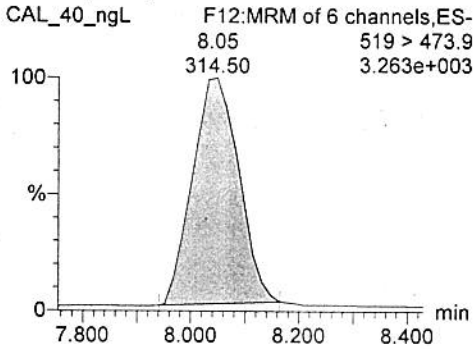
8:2 FTS (M+2)



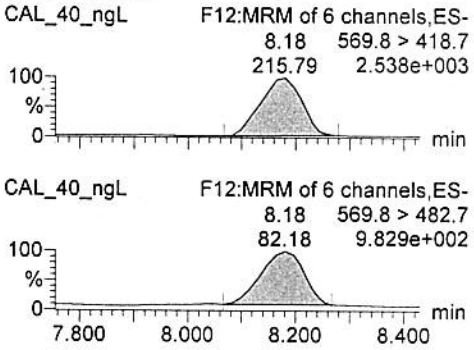
PFDA



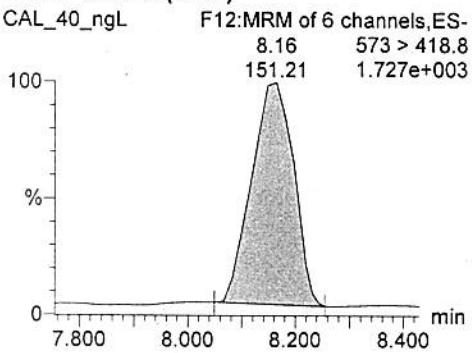
PFDA (M+6)



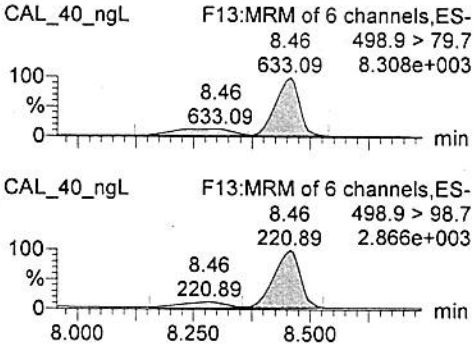
N-MeFOSAA



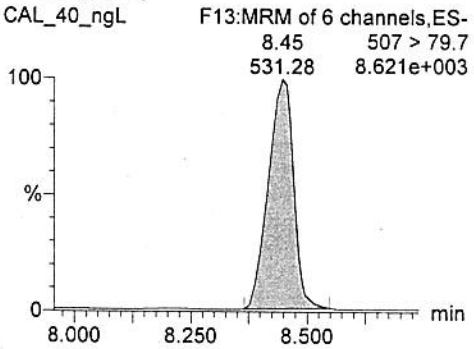
N-MeFOSAA (M+3)



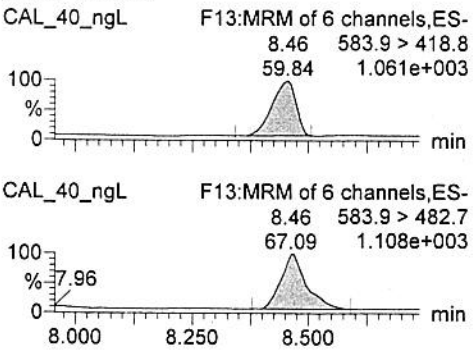
PFOS



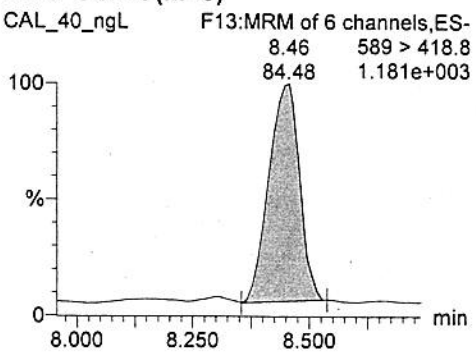
PFOS (M+8)



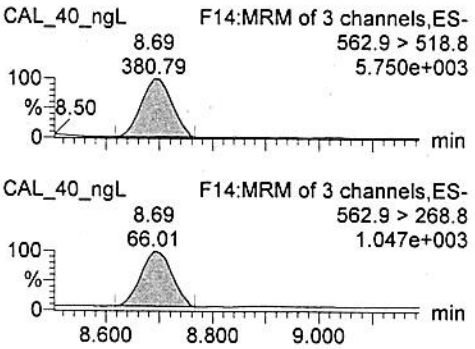
N-EtFOSAA



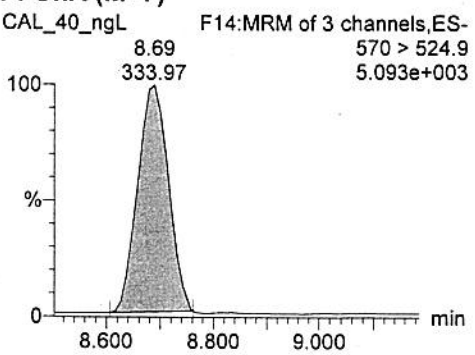
N-EtFOSAA (M+5)



PFUnA



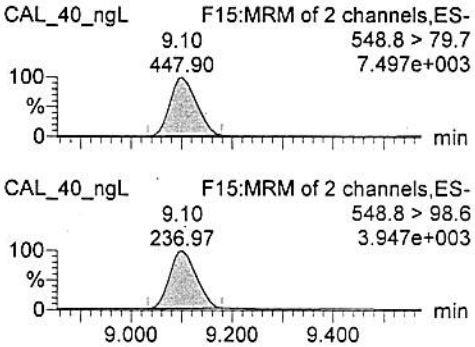
PFUnA (M+7)



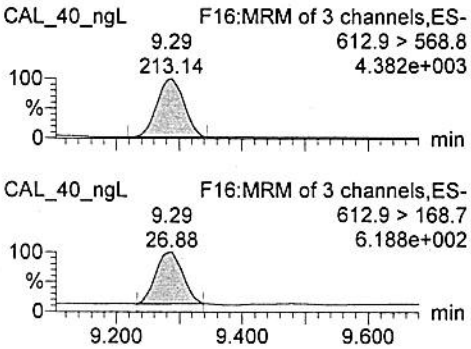
Quantify Sample Report **MassLynx 4.1 SCN919**
Instrument Name: S ITHTQ User: JG
Dataset: C:\MassLynx\PFAS_2016.PRO\20180425_ICAL.qld
Last Altered: Thursday, April 26, 2018 10:20:42 Eastern Daylight Time
Printed: Thursday, April 26, 2018 10:23:08 Eastern Daylight Time

Name: 20180425_8041729_40ngL, Date: 25-Apr-2018, Time: 09:02:08, Description: CAL_40_ngL, Instrument: ACQ-TQD#NotSet, User: , Vial: 2:4

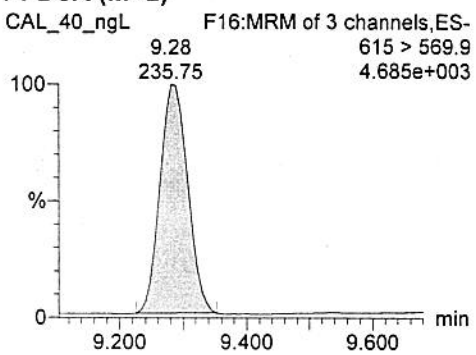
PFNS



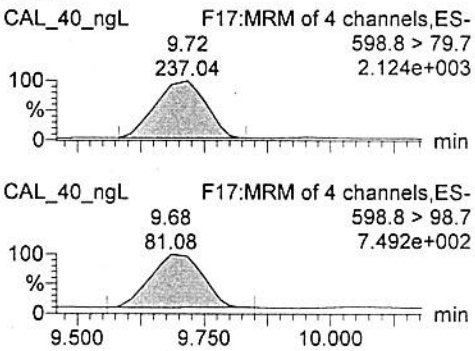
PFDoA



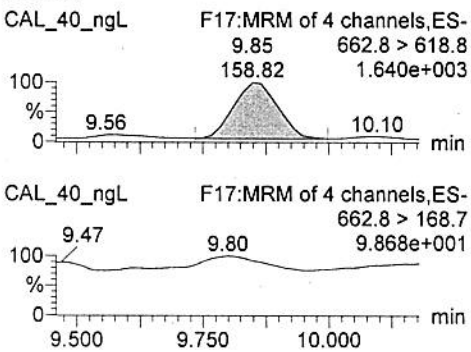
PFDoA (M+2)



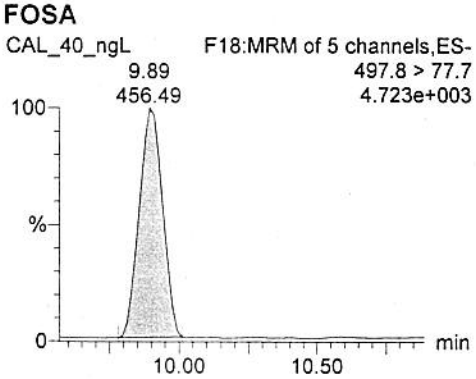
PFDS



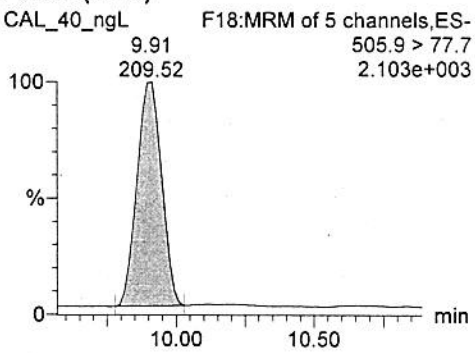
PFTrA



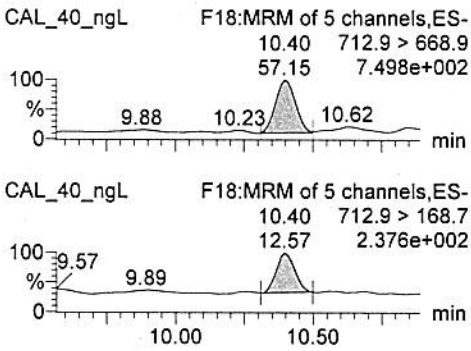
FOSA



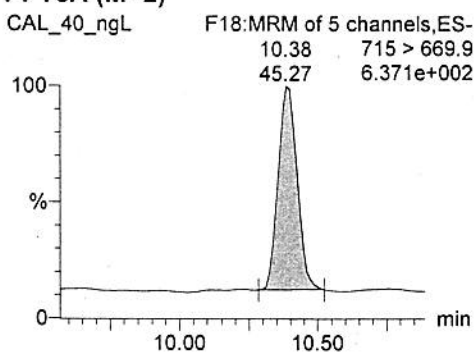
FOSA (M+8)



PFTeA



PFTeA (M+2)



Quantify Sample Report **MassLynx 4.1 SCN919**
Instrument Name: S ITHTQ User: JG
Dataset: C:\MassLynx\PFAS_2016.PRO\20180425_ICAL.qld
Last Altered: Thursday, April 26, 2018 10:20:42 Eastern Daylight Time
Printed: Thursday, April 26, 2018 10:23:08 Eastern Daylight Time

Name: 20180425_8041729_40ngL, Date: 25-Apr-2018, Time: 09:02:08, 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	692.8	41.72	4.3	692.759	bb			
PFBA (M+4)	2.89	2.90	0.999	715.0	42.39	6.0	714.980	bb			
PFPeA	3.73	3.73	0.998	577.0	43.14	7.8	576.960	bb			
PFPeA (M+5)	3.73	3.73	0.999	556.0	46.07	15.2	556.024	bb			
4:2 FTS	4.43	4.44	0.999	261.9	39.77	6.3	261.943	bb	1.561	1.638	NO
4:2 FTS (M+2)	4.43	4.44	0.999	292.9	37.98	1.5	292.917	bb			
PFHxA	4.73	4.74	0.995	533.0	42.19	5.5	532.987	db	8.407	40.473	YES
PFHxA (M+5)	4.73	4.74	0.998	496.7	44.16	10.4	496.696	bb			
PFBS	4.91	4.92	0.999	596.2	41.10	16.1	596.225	bb	2.364	2.390	NO
PFBS (M+3)	4.91	4.91	0.998	700.3	43.17	16.1	700.262	bb			
HFPO-DA	5.10	5.10	0.990	134.8	56.51	41.3	134.831	bb	1.629	2.726	YES
HFPO-DA (M+3)	5.09	5.10	0.989	62.2	45.70	14.3	62.239	bb			
PFHpA	5.71	5.71	0.999	703.5	39.72	-0.7	703.513	bb	3.215	4.001	NO
PFHpA (M+4)	5.70	5.71	0.999	653.4	41.11	2.8	653.444	bb			
PFPeS	5.98	5.99	0.999	709.4	42.44	12.9	709.371	bd	2.133	2.286	NO
6:2 FTS	6.24	6.24	0.997	229.4	44.52	17.1	229.416	bb	1.557	1.484	NO
6:2 FTS (M+2)	6.24	6.24	0.998	215.5	44.31	16.6	215.495	bb			
PFOA	6.57	6.57	0.999	665.2	44.20	10.5	665.227	bb	2.832	3.418	NO
PFOA (M+8)	6.57	6.57	0.999	405.7	35.69	-10.8	405.668	bb			
PFHxS	6.91	6.91	0.998	558.4	40.45	10.9	558.385	MM JG	1.790	1.798	NO
PFHxS (M+3)	6.91	6.91	0.999	659.0	42.49	12.4	658.986	bb 4/26/18			
PFNA	7.34	7.35	0.999	468.8	44.19	10.5	468.779	bb	2.539	3.221	NO
PFNA (M+9)	7.34	7.35	1.000	379.5	43.67	9.2	379.524	bb			
PFHpS	7.72	7.73	0.999	605.1	39.15	3.0	605.112	bb	2.172	2.391	NO
8:2 FTS	7.72	7.72	0.996	140.7	35.24	-0.4	140.703	bb	1.112	0.794	NO
8:2 FTS (M+2)	7.71	7.72	0.997	52.5	33.12	-6.4	52.495	bb			
PFDA	8.05	8.05	0.963	328.3	34.77	-13.1	328.306	bb	4.897	11.937	YES
PFDA (M+6)	8.05	8.05	0.972	314.5	33.92	-15.2	314.500	bb			
N-MeFOSAA	8.16	8.18	0.992	215.8	89.16	122.9	215.793	bbX	1.106	2.626	YES
N-MeFOSAA (M+3)	8.16	8.16	0.991	151.2	51.06	27.7	151.209	bb			
PFOS	8.45	8.46	0.999	633.1	42.92	16.0	633.089	MM JG	1.994	2.866	YES
PFOS (M+8)	8.45	8.45	0.998	531.3	42.35	10.6	531.281	bb 4/26/18			
N-EtFOSAA	8.46	8.46	0.981	59.8	33.10	-17.3	59.843	bb	1.671	0.892	YES
N-EtFOSAA (M+5)	8.44	8.46	0.994	84.5	44.94	12.4	84.478	bb			
PFUnA	8.68	8.69	0.996	380.8	50.88	27.2	380.786	bb	4.209	5.769	YES
PFUnA (M+7)	8.68	8.69	0.999	334.0	41.80	4.5	333.968	bb			
PFNS	9.09	9.10	0.998	447.9	37.07	4.7	447.900	bb	1.980	1.890	NO
PFDoA	9.28	9.29	0.992	213.1	45.44	13.6	213.144	bb	5.355	7.931	YES
PFDoA (M+2)	9.28	9.28	0.998	235.8	45.44	13.6	235.750	bb			
PFDS	9.69	9.72	0.836	237.0	39.88	3.3	237.036	bb	1.504	2.923	YES
PFTrA	9.85	9.85	0.994	158.8	46.16	15.4	158.823	db	8.187		
FOSA	9.90	9.89	0.997	456.5	46.24	15.6	456.492	bb			
FOSA (M+8)	9.90	9.91	0.998	209.5	37.37	-6.6	209.517	bb			
PFTeA	10.39	10.40	0.998	57.1	66.22	65.6	57.148	bdX	3.262	4.547	YES
PFTeA (M+2)	10.39	10.38	0.995	45.3	47.80	19.5	45.268	bb			

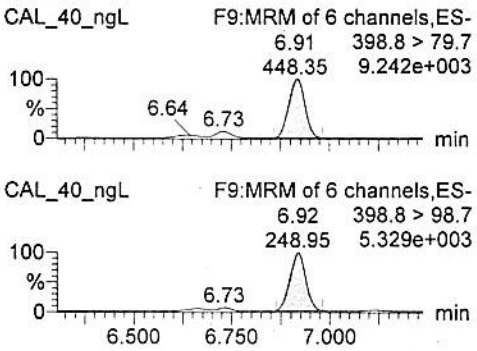
JG 4/26/18

Quantify Sample Report **MassLynx 4.1 SCN919**
Instrument Name: S ITHTQ User: JG
Dataset: Untitled
Last Altered: Thursday, April 26, 2018 10:32:18 Eastern Daylight Time
Printed: Thursday, April 26, 2018 10:32:29 Eastern Daylight Time

Method: C:\MassLynx\PFAS_2016.PRO\MethDB\PFAS_20180425.mdb 25 Apr 2018 10:51:51
Calibration: 26 Apr 2018 10:32:18

Name: 20180425_8041729_40ngL, Date: 25-Apr-2018, Time: 09:02:08, Description: CAL_40_ngL, Instrument: ACQ-TQD#NotSet, User: , Vial: 2:4

PFHxS



original
JG 4/26/18
JY 4/26/18

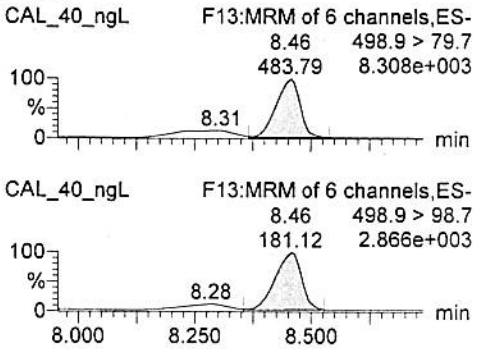
Name	Pred RT	Act RT	COD	Area	ng/L	%Dev	Response	Flags	PredRatio	ActRatio	RatioFail?
PFHxS	6.91	6.91	0.998	448.3	41.73	14.4	448.345	bb	1.790	1.801	NO

Quantify Sample Report **MassLynx 4.1 SCN919**
Instrument Name: S ITHTQ User: JG
Dataset: Untitled
Last Altered: Thursday, April 26, 2018 10:32:18 Eastern Daylight Time
Printed: Thursday, April 26, 2018 10:33:08 Eastern Daylight Time

Method: C:\MassLynx\PFAS_2016.PRO\MethDB\PFAS_20180425.mdb 25 Apr 2018 10:51:51
Calibration: 26 Apr 2018 10:32:18

Name: 20180425_8041729_40ngL, Date: 25-Apr-2018, Time: 09:02:08, Description: CAL_40_ngL, Instrument: ACQ-TQD#NotSet, User: , Vial: 2:4

PFOS



original
JG 4/26/18
R 4/26/18

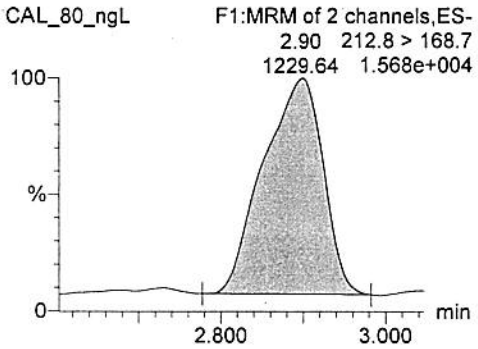
Name	Pred RT	Act RT	COD	Area	ng/L	%Dev	Response	Flags	PredRatio	ActRatio	RatioFail?
PFOS	8.45	8.46	0.998	483.8	44.28	19.7	483.788	db	1.994	2.671	NO

Quantify Sample Report **MassLynx 4.1 SCN919**
Instrument Name: S ITHTQ User: JG
Dataset: C:\MassLynx\PFAS_2016.PRO\20180425_ICAL.qld
Last Altered: Thursday, April 26, 2018 10:20:42 Eastern Daylight Time
Printed: Thursday, April 26, 2018 10:23:08 Eastern Daylight Time

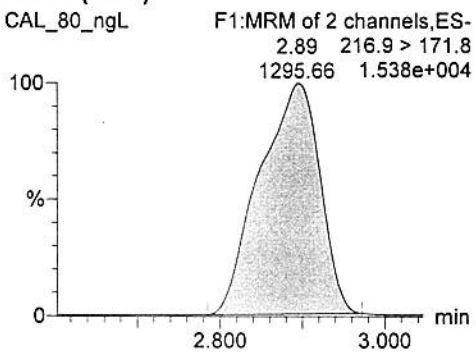
Method: C:\MassLynx\PFAS_2016.PRO\MethDB\PFAS_20180425.mdb 25 Apr 2018 10:51:51
Calibration: C:\MassLynx\PFAS_2016.PRO\CurveDB\PFC_20180425.cdb 26 Apr 2018 10:20:42

Name: 20180425_8041728_80ngL, Date: 25-Apr-2018, Time: 09:24:39, Description: CAL_80_ngL, Instrument: ACQ-TQD#NotSet, User: , Vial: 2:5

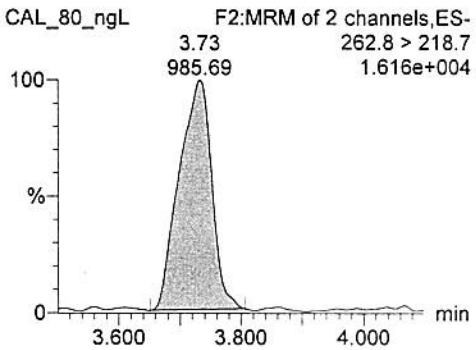
PFBA



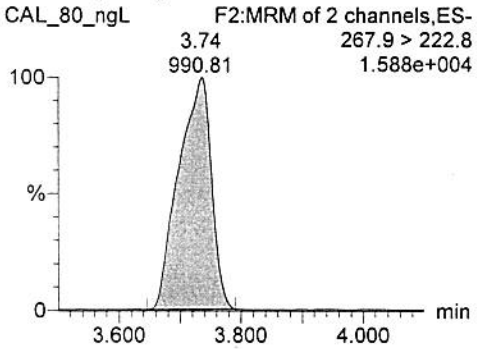
PFBA (M+4)



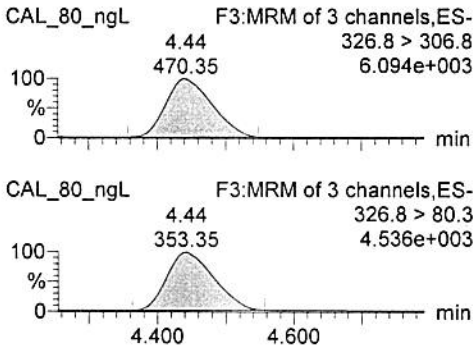
PFPeA



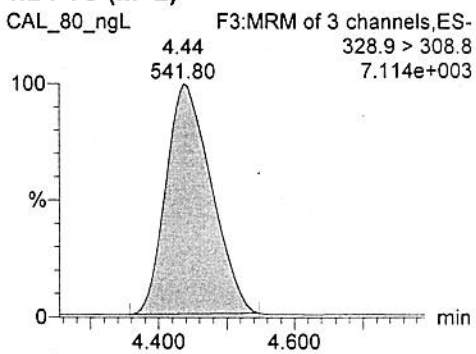
PFPeA (M+5)



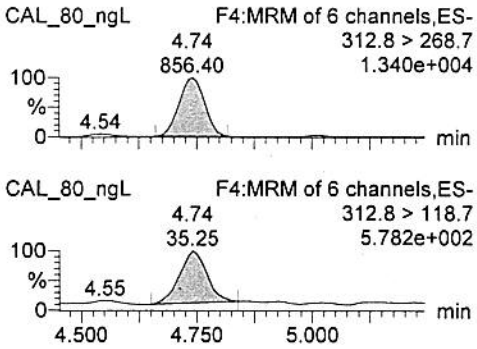
4:2 FTS



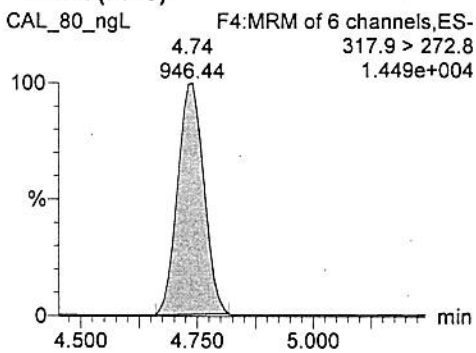
4:2 FTS (M+2)



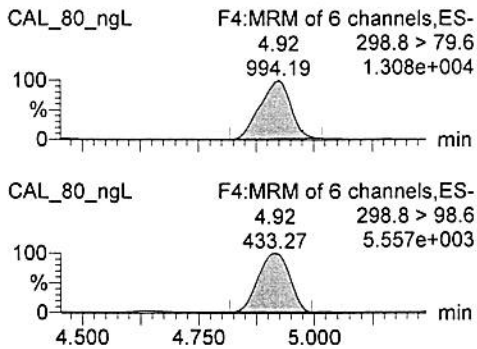
PFHxA



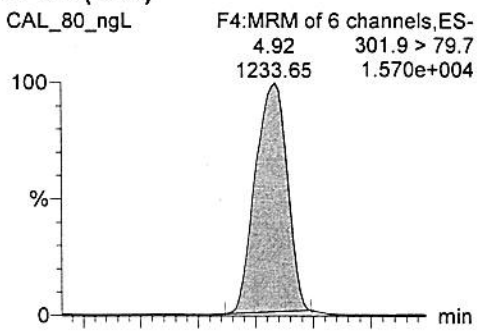
PFHxA (M+5)



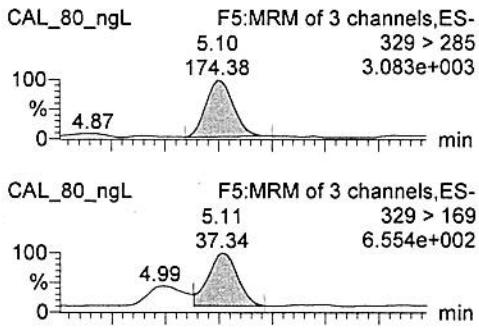
PFBS



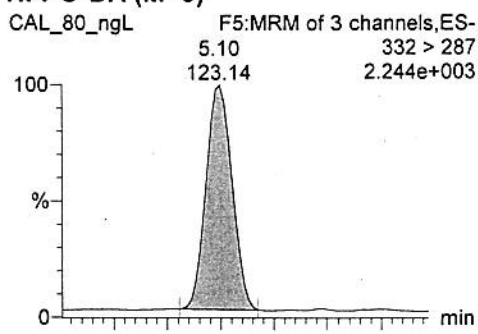
PFBS (M+3)



HFPO-DA



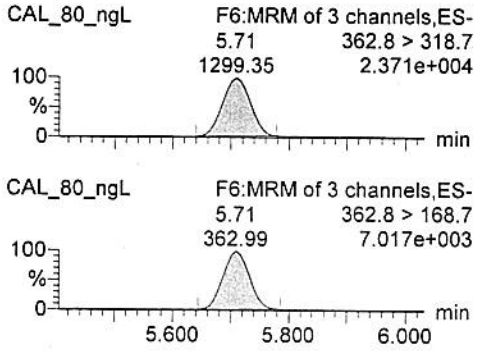
HFPO-DA (M+3)



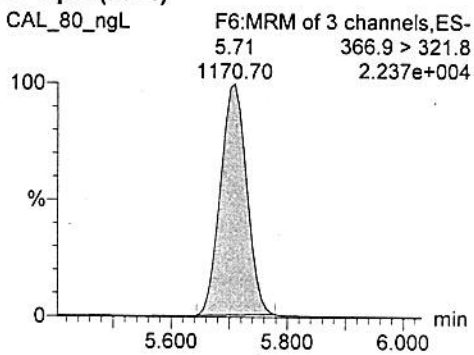
Quantify Sample Report **MassLynx 4.1 SCN919**
Instrument Name: S ITHTQ User: JG
Dataset: C:\MassLynx\PFAS_2016.PRO\20180425_ICAL.qld
Last Altered: Thursday, April 26, 2018 10:20:42 Eastern Daylight Time
Printed: Thursday, April 26, 2018 10:23:08 Eastern Daylight Time

Name: 20180425_8041728_80ngL, Date: 25-Apr-2018, Time: 09:24:39, Description: CAL_80_ngL, Instrument: ACQ-TQD#NotSet, User: , Vial: 2:5

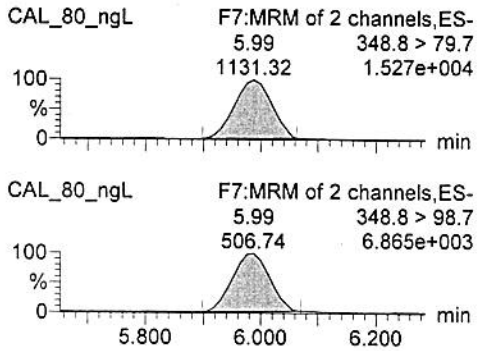
PFHpA



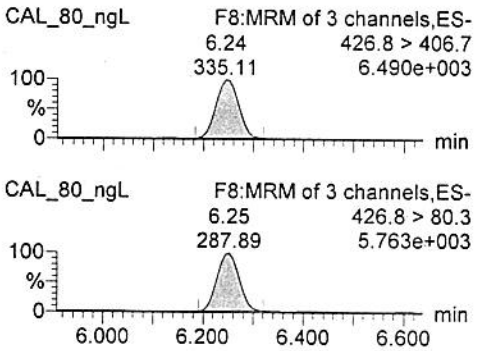
PFHpA (M+4)



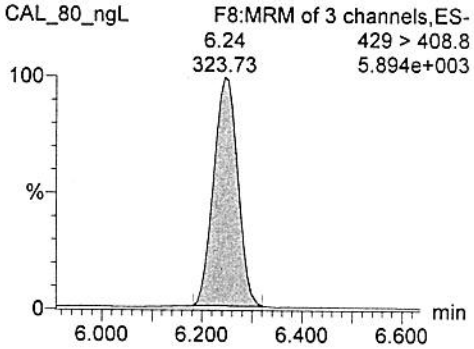
PFPeS



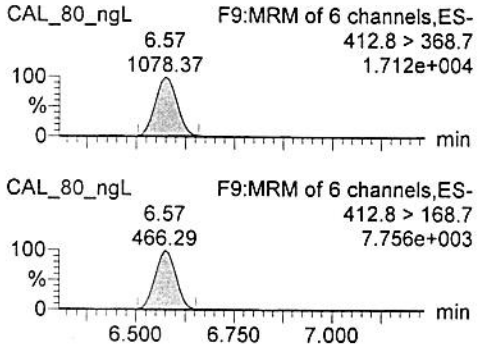
6:2 FTS



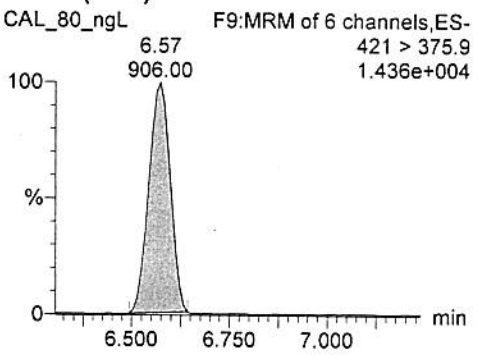
6:2 FTS (M+2)



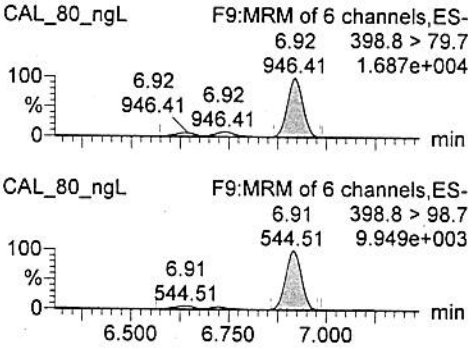
PFOA



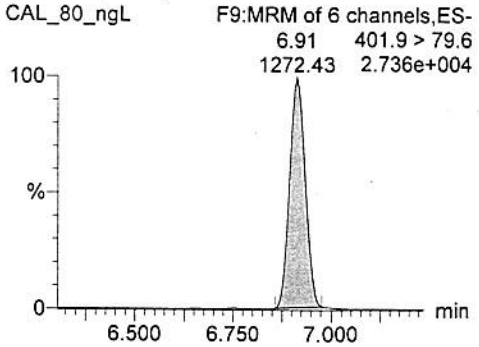
PFOA (M+8)



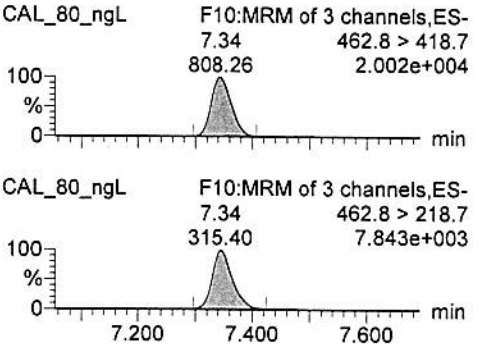
PFHxS



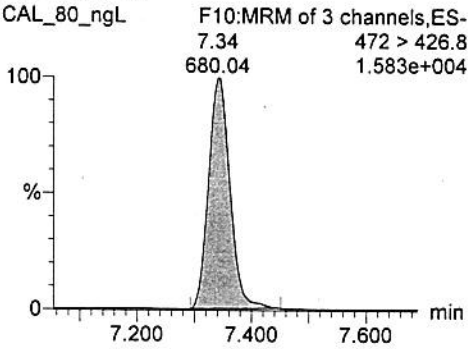
PFHxS (M+3)



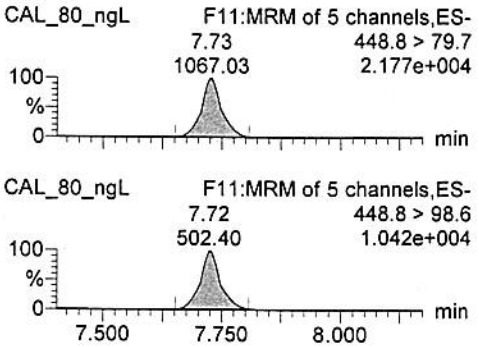
PFNA



PFNA (M+9)



PFHpS



Quantify Sample Report **MassLynx 4.1 SCN919**
Instrument Name: S ITHTQ User: JG
Dataset: C:\MassLynx\PFAS_2016.PRO\20180425_ICAL.qld
Last Altered: Thursday, April 26, 2018 10:20:42 Eastern Daylight Time
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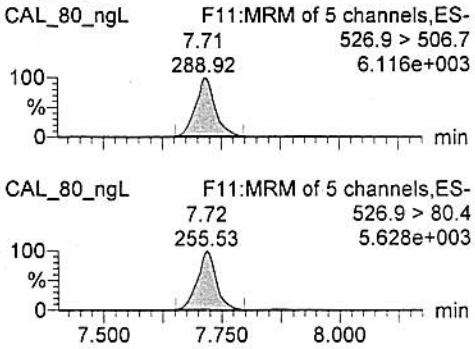
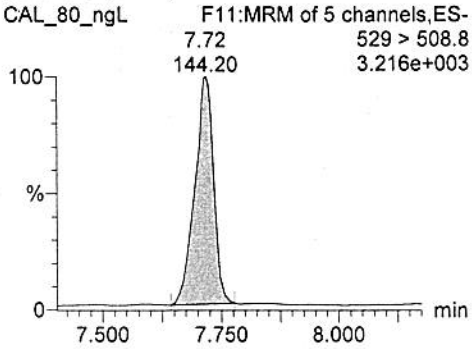
Name: 20180425_8041728_80ngL, Date: 25-Apr-2018, Time: 09:24:39, Description: CAL_80_ngL, Instrument: ACQ-TQD#NotSet, User: , Vial: 2:5

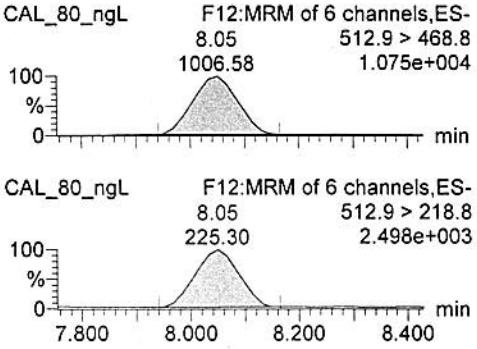
8:2 FTS



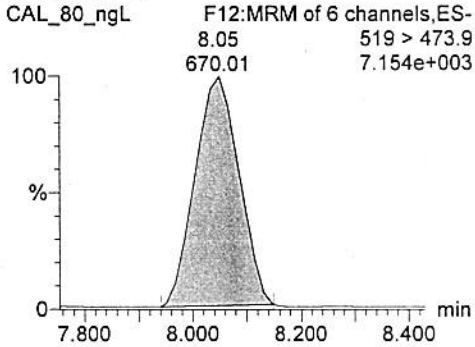
8:2 FTS (M+2)



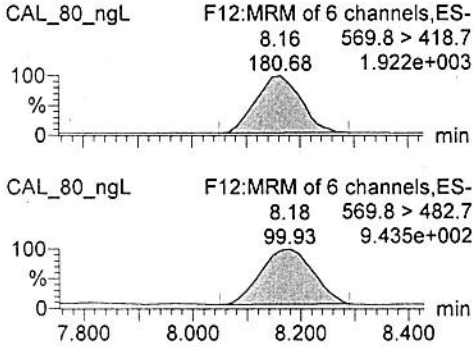
PFDA



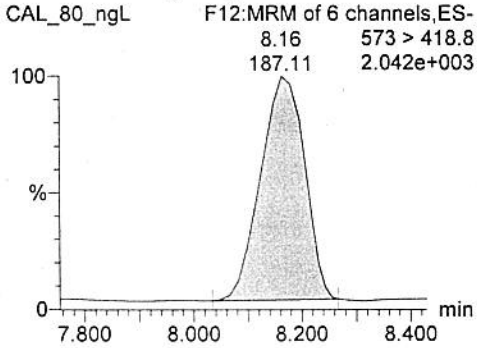
PFDA (M+6)



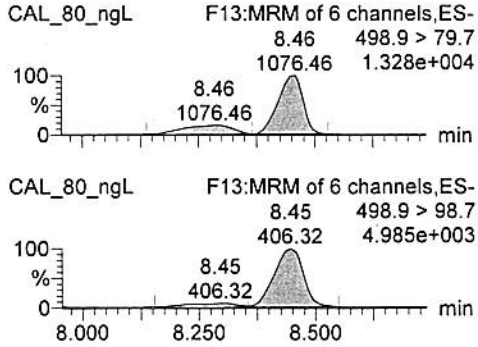
N-MeFOSAA



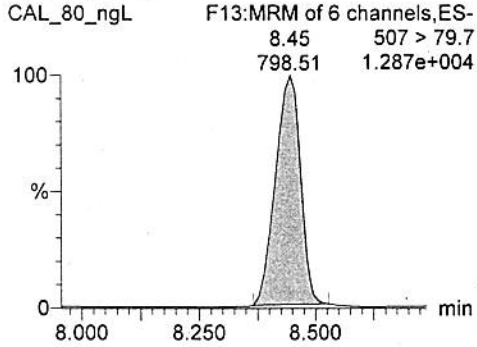
N-MeFOSAA (M+3)



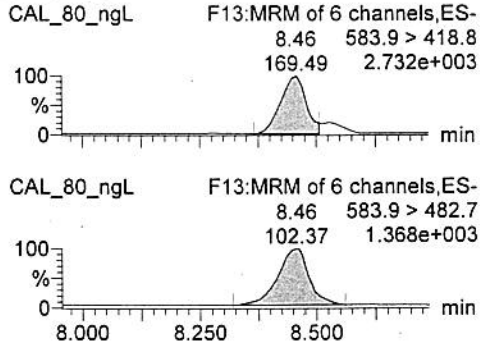
PFOS



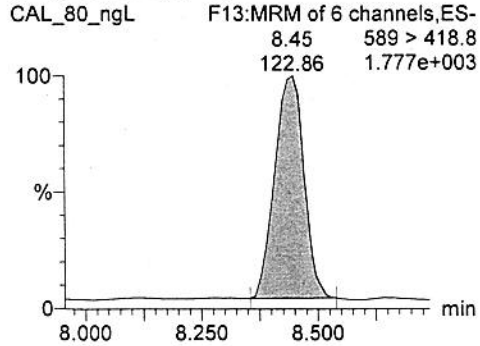
PFOS (M+8)



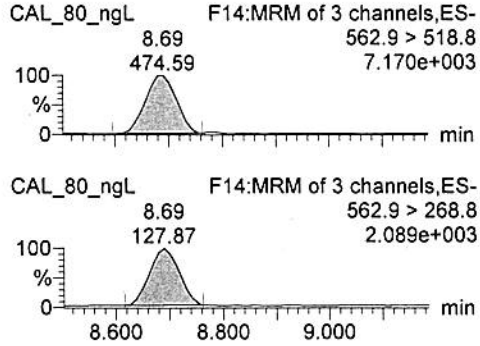
N-EtFOSAA



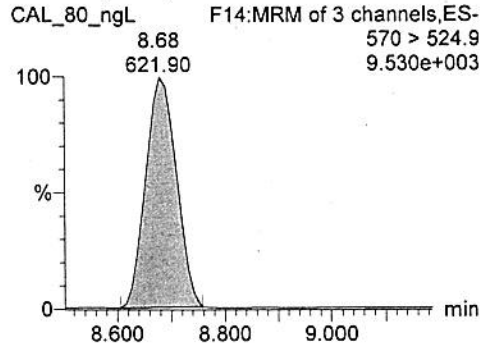
N-EtFOSAA (M+5)



PFUnA



PFUnA (M+7)



Quantify Sample Report **MassLynx 4.1 SCN919**
Instrument Name: S ITHTQ User: JG
Dataset: C:\MassLynx\PFAS_2016.PRO\20180425_ICAL.qld
Last Altered: Thursday, April 26, 2018 10:20:42 Eastern Daylight Time
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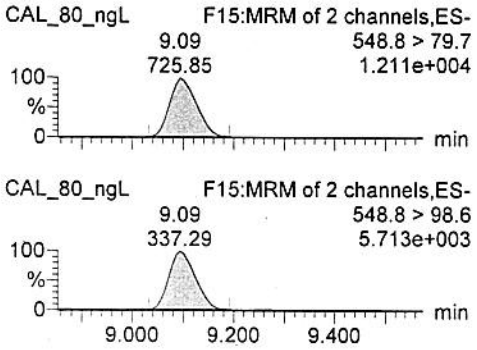
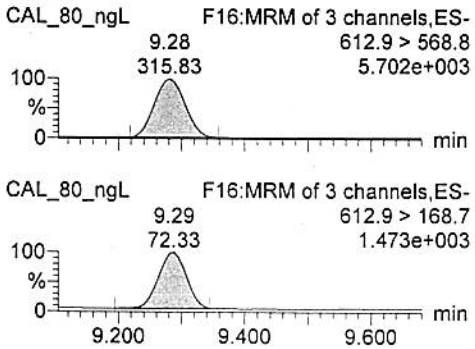
Name: 20180425_8041728_80ngL, Date: 25-Apr-2018, Time: 09:24:39, Description: CAL_80_ngL, Instrument: ACQ-TQD#NotSet, User: , Vial: 2:5

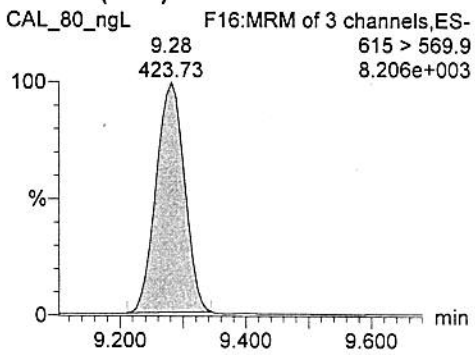
PFNS



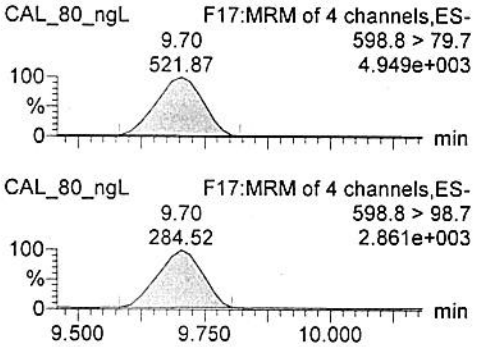
PFDoA



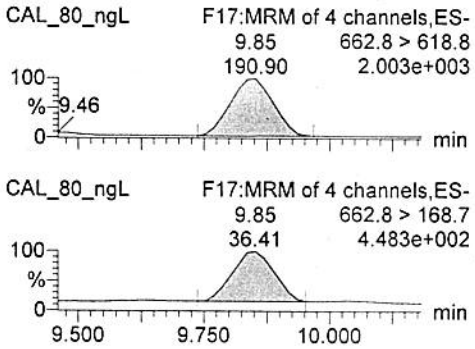
PFDoA (M+2)



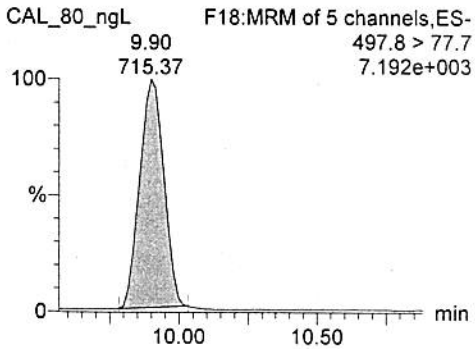
PFDS



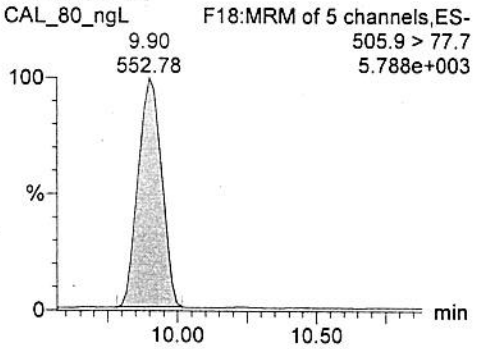
PFTrA



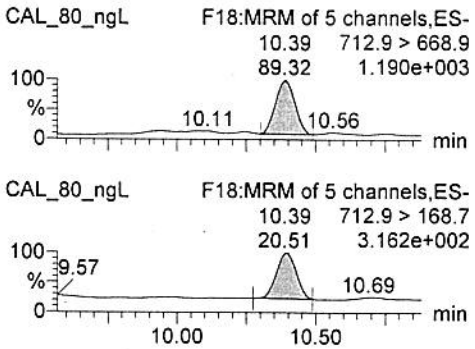
FOSA



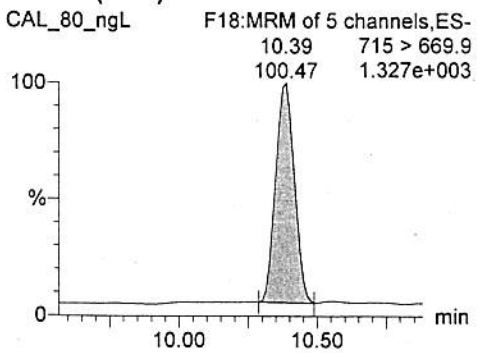
FOSA (M+8)



PFTeA



PFTeA (M+2)



Quantify Sample Report **MassLynx 4.1 SCN919**
Instrument Name: S ITHTQ User: JG
Dataset: C:\MassLynx\PFAS_2016.PRO\20180425_ICAL.qld
Last Altered: Thursday, April 26, 2018 10:20:42 Eastern Daylight Time
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Name: 20180425_8041728_80ngL, Date: 25-Apr-2018, Time: 09:24:39, 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	1229.6	72.82	-9.0	1229.639	bb			
PFBA (M+4)	2.89	2.89	0.999	1295.7	74.44	-7.0	1295.664	bb			
PFPeA	3.73	3.73	0.998	985.7	72.33	-9.6	985.693	bb			
PFPeA (M+5)	3.73	3.74	0.999	990.8	77.11	-3.6	990.811	bb			
4:2 FTS	4.43	4.44	0.999	470.4	67.60	-9.6	470.353	bb	1.561	1.331	NO
4:2 FTS (M+2)	4.43	4.44	0.999	541.8	68.55	-8.4	541.803	bb			
PFHxA	4.73	4.74	0.995	856.4	67.77	-15.3	856.398	bb	8.407	24.294	YES
PFHxA (M+5)	4.73	4.74	0.998	946.4	76.36	-4.6	946.444	bb			
PFBS	4.91	4.92	0.999	994.2	66.40	-6.2	994.186	bb	2.364	2.295	NO
PFBS (M+3)	4.91	4.92	0.998	1233.6	71.38	-4.1	1233.649	bb			
HFPO-DA	5.10	5.10	0.990	174.4	74.46	-6.9	174.384	bb	1.629	4.670	YES
HFPO-DA (M+3)	5.09	5.10	0.989	123.1	74.46	-6.9	123.135	bb			
PFHpA	5.71	5.71	0.999	1299.3	71.50	-10.6	1299.350	bb	3.215	3.580	NO
PFHpA (M+4)	5.70	5.71	0.999	1170.7	73.48	-8.2	1170.699	bb			
PFPeS	5.98	5.99	0.999	1131.3	66.36	-11.8	1131.317	bb	2.133	2.233	NO
6:2 FTS	6.24	6.24	0.997	335.1	67.29	-11.5	335.108	bb	1.557	1.164	NO
6:2 FTS (M+2)	6.24	6.24	0.998	323.7	65.09	-14.4	323.725	bb			
PFOA	6.57	6.57	0.999	1078.4	71.75	-10.3	1078.374	bb	2.832	2.313	NO
PFOA (M+8)	6.57	6.57	0.999	906.0	72.79	-9.0	905.996	bb			
PFHxS	6.91	6.92	0.998	946.4	68.27	-6.4	946.415	MM JG	1.790	1.738	NO
PFHxS (M+3)	6.91	6.91	0.999	1272.4	79.41	5.0	1272.425	bb 4/26/18			
PFNA	7.34	7.34	0.999	808.3	75.01	-6.2	808.256	bb	2.539	2.563	NO
PFNA (M+9)	7.34	7.34	1.000	680.0	76.28	-4.7	680.045	bb			
PFHpS	7.72	7.73	0.999	1067.0	68.48	-9.9	1067.031	bb	2.172	2.124	NO
8:2 FTS	7.72	7.71	0.996	288.9	70.07	-1.0	288.918	bb	1.112	1.131	NO
8:2 FTS (M+2)	7.71	7.72	0.997	144.2	75.73	7.0	144.201	bb			
PFDA	8.05	8.05	0.963	1006.6	108.2	35.3	1006.584	bb	4.897	4.468	NO
PFDA (M+6)	8.05	8.05	0.972	670.0	77.13	-3.6	670.013	bb			
N-MeFOSAA	8.16	8.16	0.992	180.7	79.21	-1.0	180.679	bb	1.106	1.808	YES
N-MeFOSAA (M+3)	8.16	8.16	0.991	187.1	61.21	-23.5	187.111	bb			
PFOS	8.45	8.46	0.999	1076.5	71.24	-3.7	1076.456	MM JG 4/26/18	1.994	2.649	NO
PFOS (M+8)	8.45	8.45	0.998	798.5	62.33	-18.6	798.510	bb			
N-EtFOSAA	8.46	8.46	0.981	169.5	77.19	-3.5	169.486	bd	1.671	1.656	NO
N-EtFOSAA (M+5)	8.44	8.45	0.994	122.9	62.19	-22.3	122.864	bb			
PFUnA	8.68	8.69	0.996	474.6	62.89	-21.4	474.591	bb	4.209	3.712	NO
PFUnA (M+7)	8.68	8.68	0.999	621.9	74.67	-6.7	621.896	bb			
PFNS	9.09	9.09	0.998	725.9	59.10	-16.5	725.850	bb	1.980	2.152	NO
PFDoA	9.28	9.28	0.992	315.8	66.59	-16.8	315.827	bb	5.355	4.366	NO
PFDoA (M+2)	9.28	9.28	0.998	423.7	73.83	-7.7	423.725	bb			
PFDS	9.69	9.70	0.836	521.9	118.4	53.3	521.867	bb	1.504	1.834	NO
PFTrA	9.85	9.85	0.994	190.9	62.05	-22.4	190.901	bb	8.187	5.244	YES
FOSA	9.90	9.90	0.997	715.4	69.91	-12.6	715.365	bb			
FOSA (M+8)	9.90	9.90	0.998	552.8	88.78	11.0	552.785	bb			
PFTeA	10.39	10.39	0.998	89.3	86.48	8.1	89.318	bb	3.262	4.355	NO
PFTeA (M+2)	10.39	10.39	0.995	100.5	72.65	-9.2	100.472	bb			

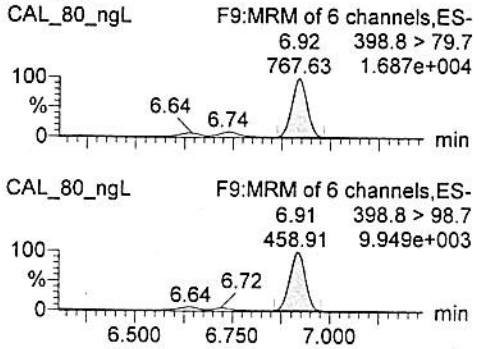
4/26/18

Quantify Sample Report **MassLynx 4.1 SCN919**
Instrument Name: S ITHTQ User: JG
Dataset: Untitled
Last Altered: Thursday, April 26, 2018 10:32:18 Eastern Daylight Time
Printed: Thursday, April 26, 2018 10:32:32 Eastern Daylight Time

Method: C:\MassLynx\PFAS_2016.PRO\MethDB\PFAS_20180425.mdb 25 Apr 2018 10:51:51
Calibration: 26 Apr 2018 10:32:18

Name: 20180425_8041728_80ngL, Date: 25-Apr-2018, Time: 09:24:39, Description: CAL_80_ngL, Instrument: ACQ-TQD#NotSet, User: , Vial: 2:5

PFHxS



original
JG 4/26/18
4/26/18

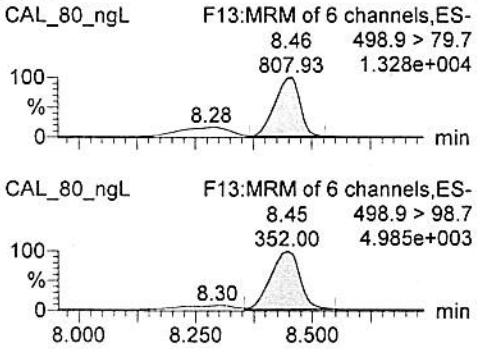
Name	Pred RT	Act RT	COD	Area	ng/L	%Dev	Response	Flags	PredRatio	ActRatio	RatioFail?
PFHxS	6.91	6.92	0.998	767.6	70.16	-3.8	767.633	bb	1.790	1.673	NO

Quantify Sample Report **MassLynx 4.1 SCN919**
Instrument Name: S ITHTQ User: JG
Dataset: Untitled
Last Altered: Thursday, April 26, 2018 10:32:18 Eastern Daylight Time
Printed: Thursday, April 26, 2018 10:33:11 Eastern Daylight Time

Method: C:\MassLynx\PFAS_2016.PRO\MethDB\PFAS_20180425.mdb 25 Apr 2018 10:51:51
Calibration: 26 Apr 2018 10:32:18

Name: 20180425_8041728_80ngL, Date: 25-Apr-2018, Time: 09:24:39, Description: CAL_80_ngL, Instrument: ACQ-TQD#NotSet, User: , Vial: 2:5

PFOS



original
JG 4/26/18
JV 4/26/18

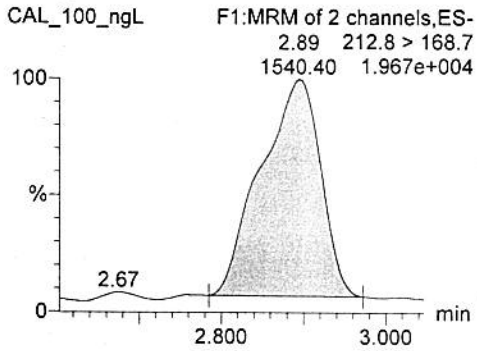
Name	Pred RT	Act RT	COD	Area	ng/L	%Dev	Response	Flags	PredRatio	ActRatio	RatioFail?
PFOS	8.45	8.46	0.998	807.9	72.25	-2.4	807.934	db	1.994	2.295	NO

Quantify Sample Report **MassLynx 4.1 SCN919**
Instrument Name: S ITHTQ User: JG
Dataset: C:\MassLynx\PFAS_2016.PRO\20180425_ICAL.qld
Last Altered: Thursday, April 26, 2018 10:20:42 Eastern Daylight Time
Printed: Thursday, April 26, 2018 10:23:09 Eastern Daylight Time

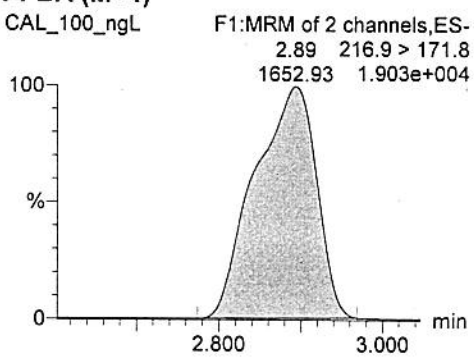
Method: C:\MassLynx\PFAS_2016.PRO\MethDB\PFAS_20180425.mdb 25 Apr 2018 10:51:51
Calibration: C:\MassLynx\PFAS_2016.PRO\CurveDB\PFC_20180425.cdb 26 Apr 2018 10:20:42

Name: 20180425_8041727_100ngL, Date: 25-Apr-2018, Time: 09:47:08, Description: CAL_100_ngL, Instrument: ACQ-TQD#NotSet, User: , Vial: 2:6

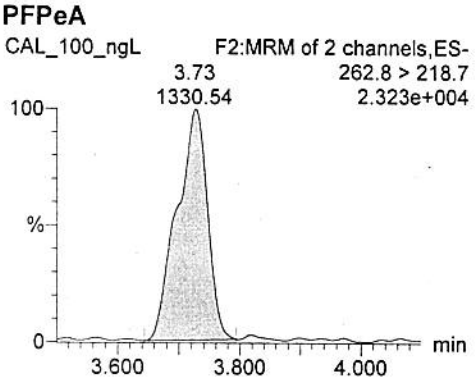
PFBA



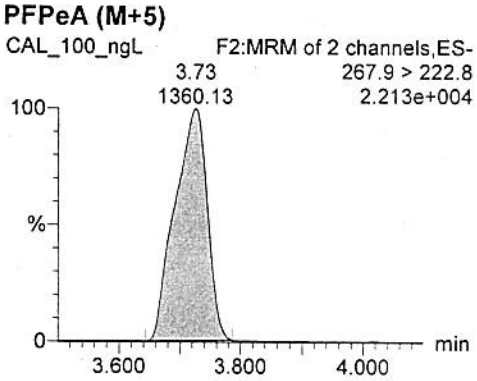
PFBA (M+4)



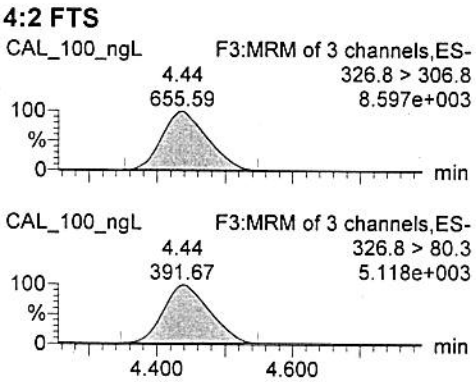
PFPeA



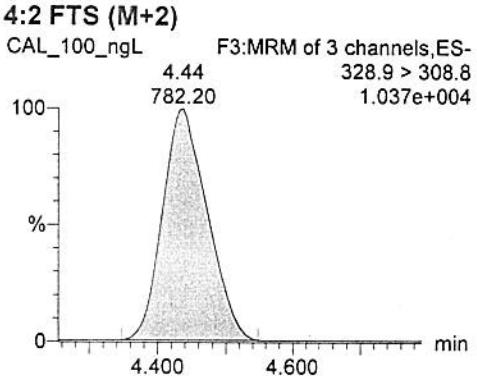
PFPeA (M+5)



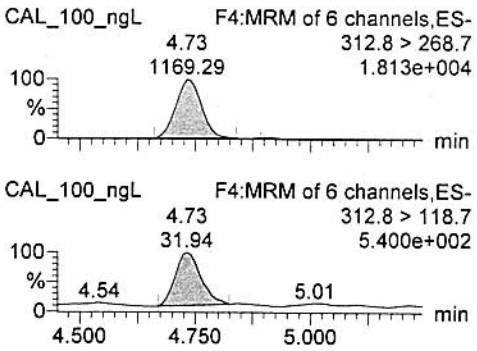
4:2 FTS



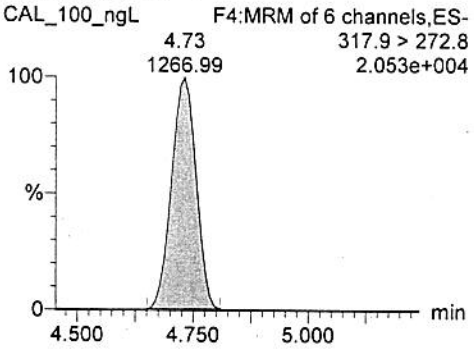
4:2 FTS (M+2)



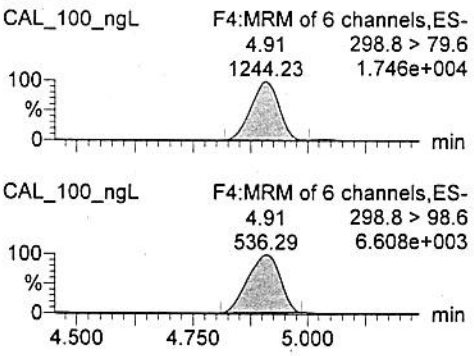
PFHxA



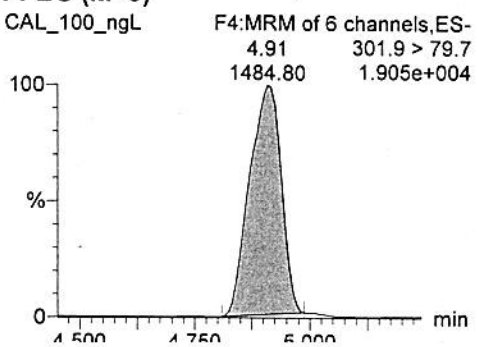
PFHxA (M+5)



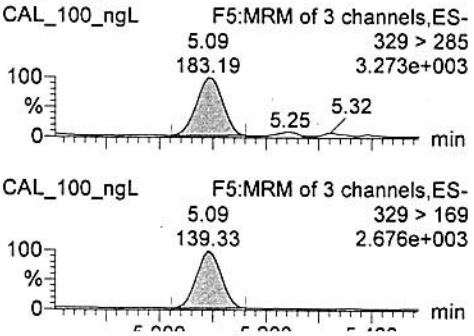
PFBS



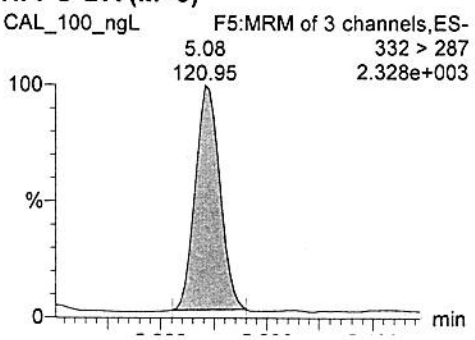
PFBS (M+3)



HFPO-DA



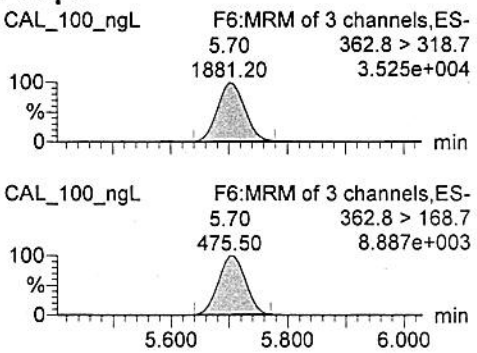
HFPO-DA (M+3)



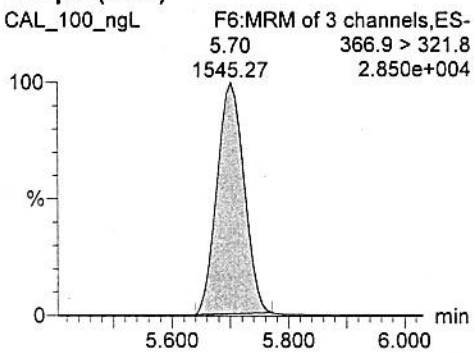
Quantify Sample Report **MassLynx 4.1 SCN919**
Instrument Name: S ITHTQ User: JG
Dataset: C:\MassLynx\PFAS_2016.PRO\20180425_ICAL.qld
Last Altered: Thursday, April 26, 2018 10:20:42 Eastern Daylight Time
Printed: Thursday, April 26, 2018 10:23:09 Eastern Daylight Time

Name: 20180425_8041727_100ngL, Date: 25-Apr-2018, Time: 09:47:08, Description: CAL_100_ngL, Instrument: ACQ-TQD#NotSet, User: , Vial: 2:6

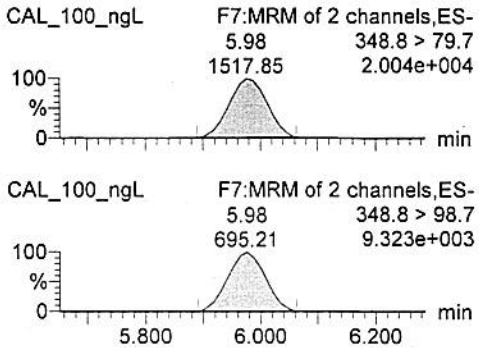
PFHpA



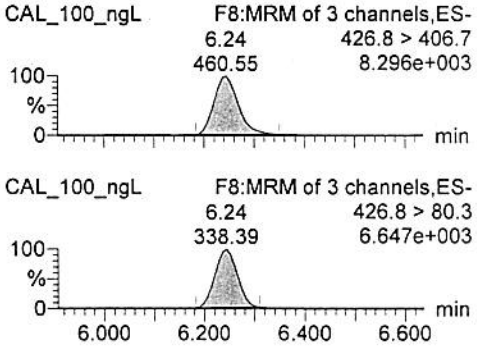
PFHpA (M+4)



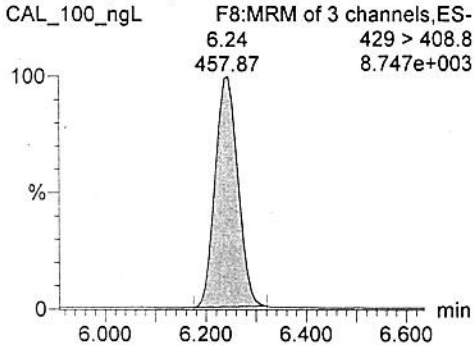
PFPeS



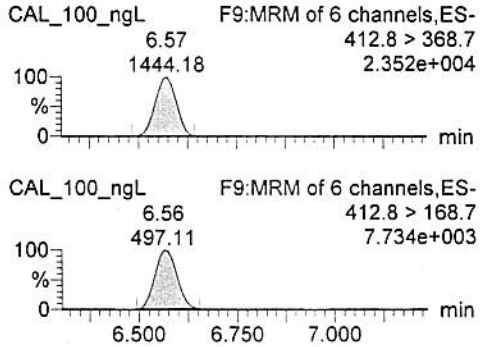
6:2 FTS



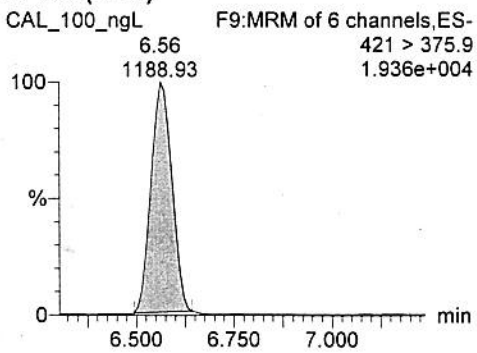
6:2 FTS (M+2)



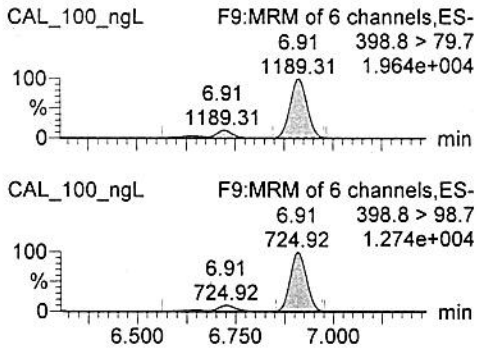
PFOA



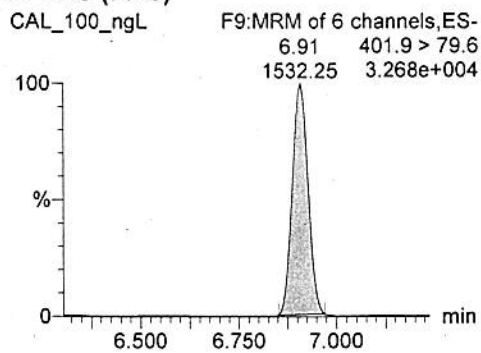
PFOA (M+8)



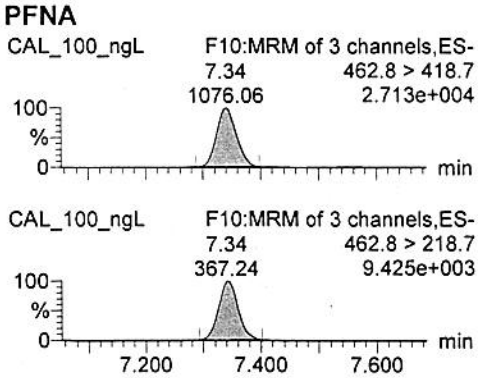
PFHxS



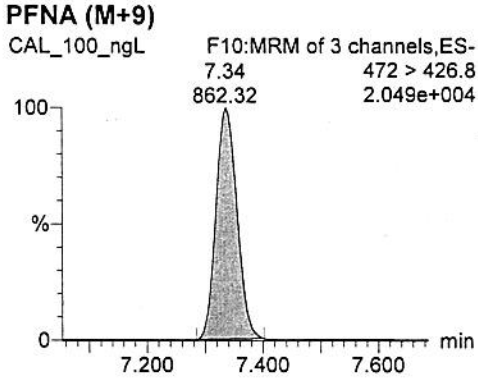
PFHxS (M+3)



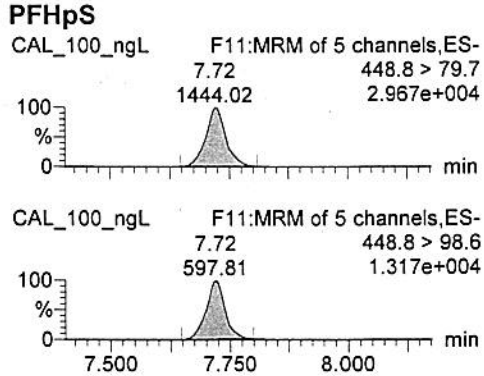
PFNA



PFNA (M+9)



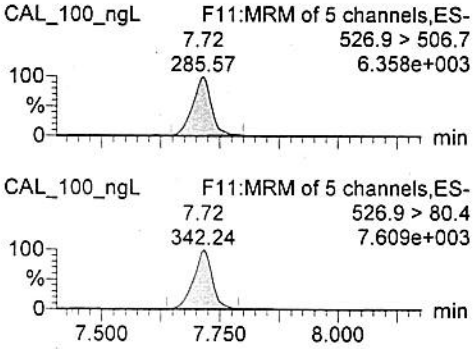
PFHpS



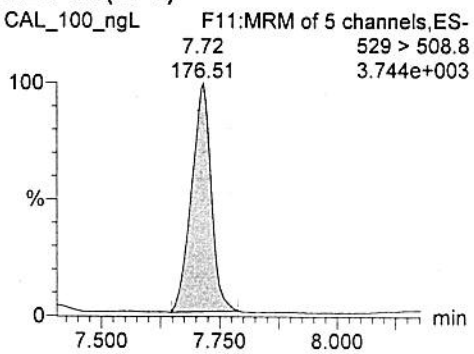
Quantify Sample Report **MassLynx 4.1 SCN919**
Instrument Name: S ITHTQ User: JG
Dataset: C:\MassLynx\PFAS_2016.PRO\20180425_ICAL.qld
Last Altered: Thursday, April 26, 2018 10:20:42 Eastern Daylight Time
Printed: Thursday, April 26, 2018 10:23:09 Eastern Daylight Time

Name: 20180425_8041727_100ngL, Date: 25-Apr-2018, Time: 09:47:08, Description: CAL_100_ngL, Instrument: ACQ-TQD#NotSet, User: , Vial: 2:6

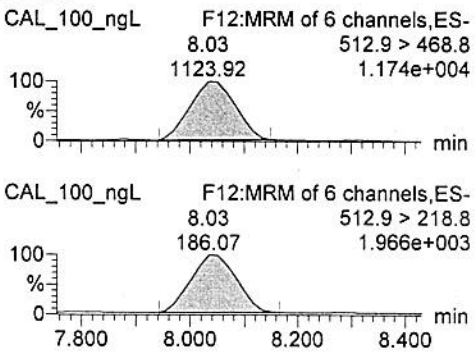
8:2 FTS



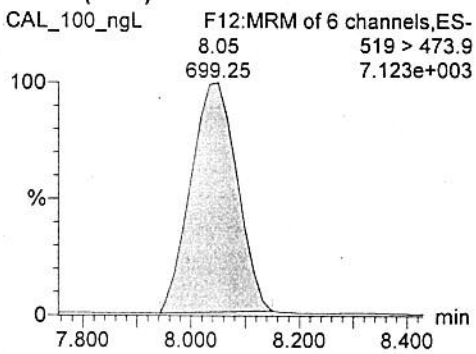
8:2 FTS (M+2)



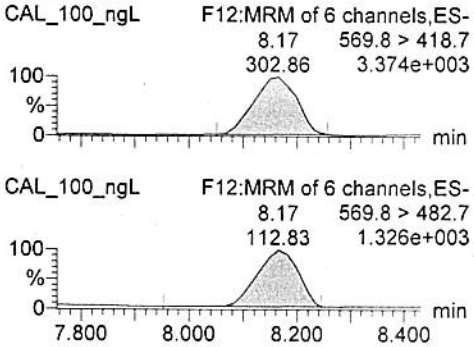
PFDA



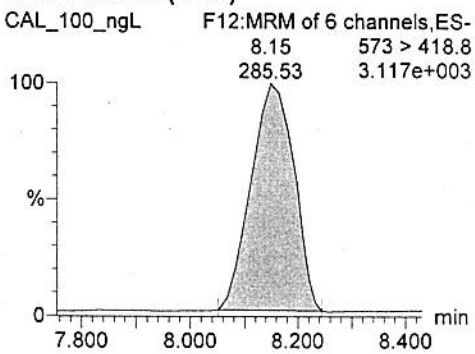
PFDA (M+6)



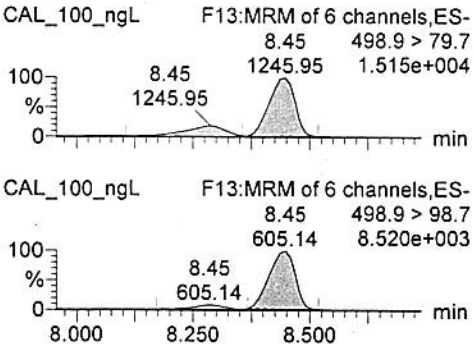
N-MeFOSAA



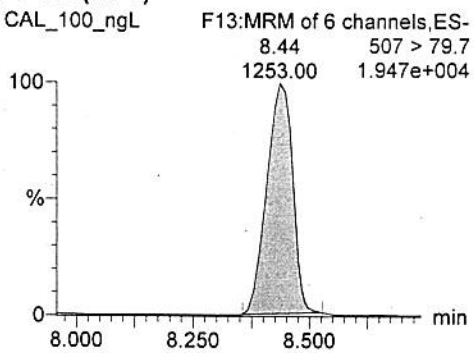
N-MeFOSAA (M+3)



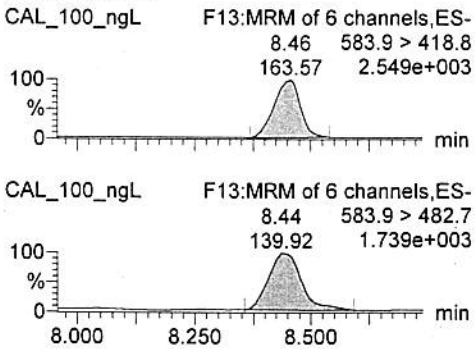
PFOS



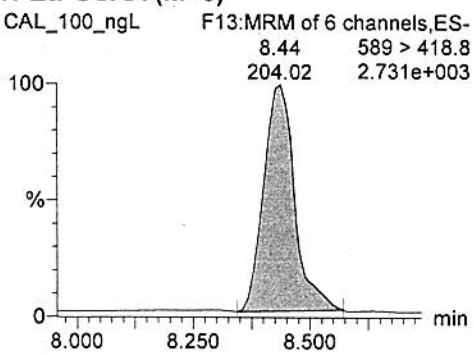
PFOS (M+8)



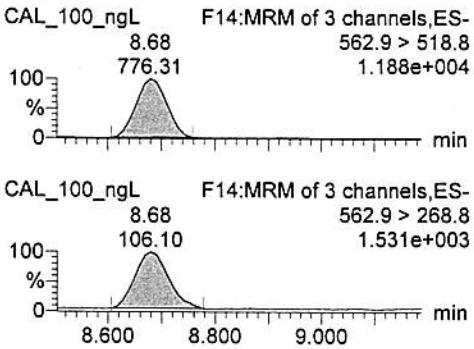
N-EtFOSAA



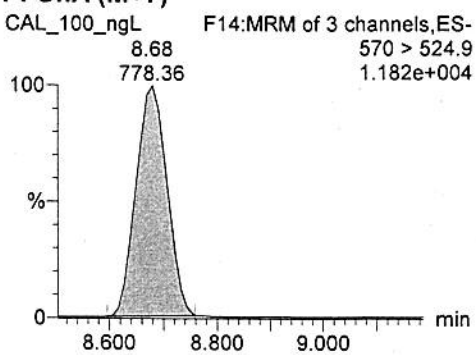
N-EtFOSAA (M+5)



PFUnA



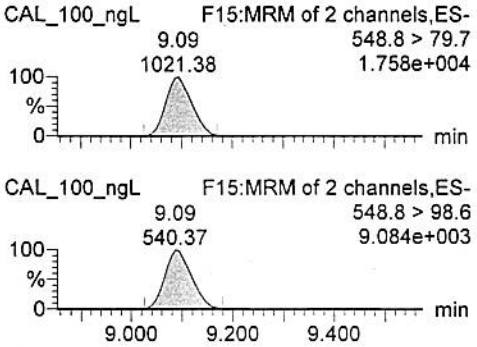
PFUnA (M+7)



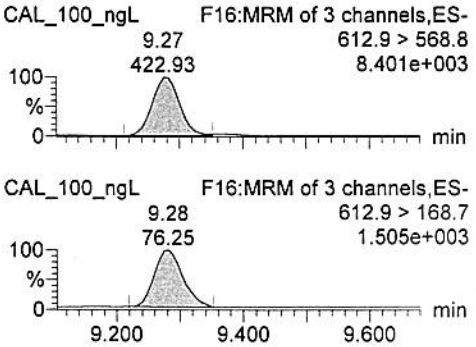
Quantify Sample Report **MassLynx 4.1 SCN919**
Instrument Name: S ITHTQ User: JG
Dataset: C:\MassLynx\PFAS_2016.PRO\20180425_ICAL.qld
Last Altered: Thursday, April 26, 2018 10:20:42 Eastern Daylight Time
Printed: Thursday, April 26, 2018 10:23:09 Eastern Daylight Time

Name: 20180425_8041727_100ngL, Date: 25-Apr-2018, Time: 09:47:08, Description: CAL_100_ngL, Instrument: ACQ-TQD#NotSet, User: , Vial: 2:6

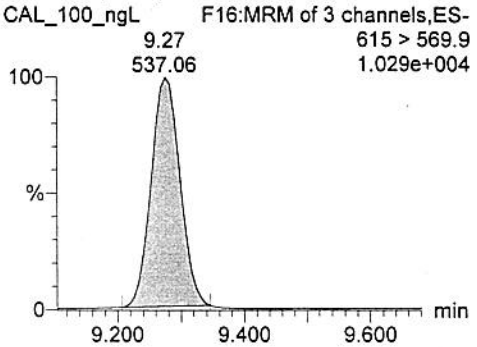
PFNS



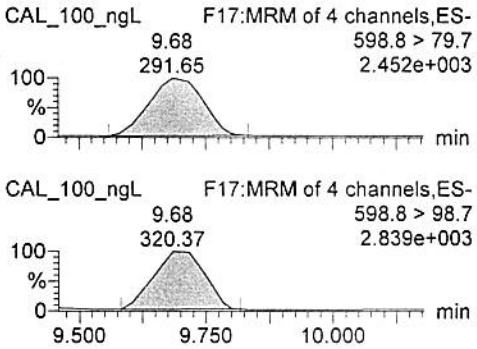
PFDoA



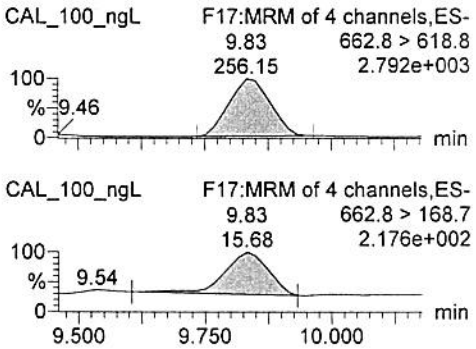
PFDoA (M+2)



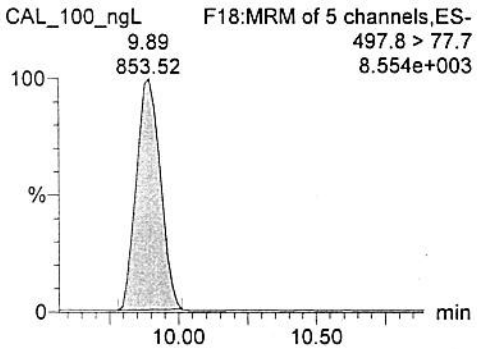
PFDS



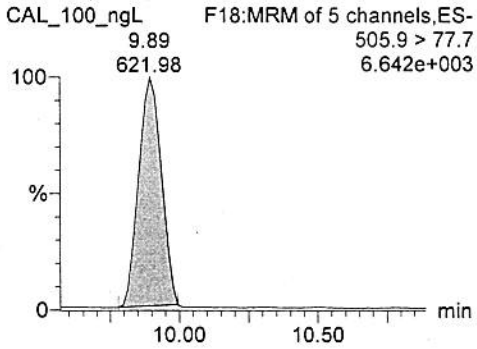
PFTrA



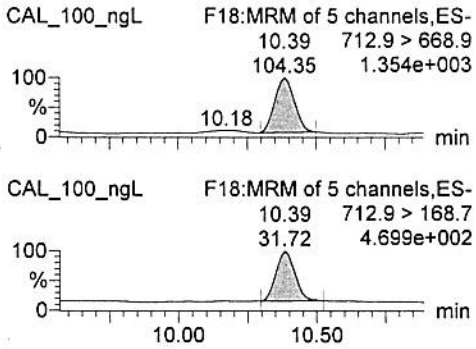
FOSA



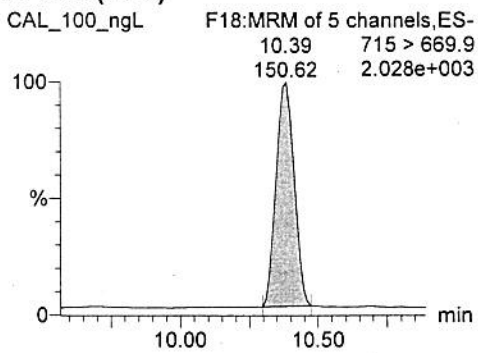
FOSA (M+8)



PFTeA



PFTeA (M+2)



Quantify Sample Report **MassLynx 4.1 SCN919**
Instrument Name: S ITHTQ User: JG
Dataset: C:\MassLynx\PFAS_2016.PRO\20180425_ICAL.qld
Last Altered: Thursday, April 26, 2018 10:20:42 Eastern Daylight Time
Printed: Thursday, April 26, 2018 10:23:09 Eastern Daylight Time

Name: 20180425_8041727_100ngL, Date: 25-Apr-2018, Time: 09:47:08, 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	2.89	0.998	1540.4	90.83	-9.2	1540.402	bb			
PFBA (M+4)	2.89	2.89	0.999	1652.9	94.16	-5.8	1652.925	bb			
PFPeA	3.73	3.73	0.998	1330.5	96.96	-3.0	1330.544	bb			
PFPeA (M+5)	3.73	3.73	0.999	1360.1	103.5	3.5	1360.128	bb			
4:2 FTS	4.43	4.44	0.999	655.6	92.33	-1.2	655.592	bb	1.561	1.674	NO
4:2 FTS (M+2)	4.43	4.44	0.999	782.2	98.07	4.9	782.196	bb			
PFHxA	4.73	4.73	0.995	1169.3	92.51	-7.5	1169.290	bb	8.407	36.604	YES
PFHxA (M+5)	4.73	4.73	0.998	1267.0	99.31	-0.7	1266.989	bb			
PFBS	4.91	4.91	0.999	1244.2	82.29	-7.0	1244.228	bd	2.364	2.320	NO
PFBS (M+3)	4.91	4.91	0.998	1484.8	84.67	-9.0	1484.795	bb			
HFPO-DA	5.10	5.09	0.990	183.2	78.45	-21.5	183.191	bb	1.629	1.315	NO
HFPO-DA (M+3)	5.09	5.08	0.989	120.9	73.43	-26.6	120.946	bb			
PFHpA	5.71	5.70	0.999	1881.2	102.5	2.5	1881.199	bb	3.215	3.956	NO
PFHpA (M+4)	5.70	5.70	0.999	1545.3	96.92	-3.1	1545.272	bb			
PFPeS	5.98	5.98	0.999	1517.8	88.28	-6.1	1517.848	bb	2.133	2.183	NO
6:2 FTS	6.24	6.24	0.997	460.5	94.31	-0.7	460.545	bb	1.557	1.361	NO
6:2 FTS (M+2)	6.24	6.24	0.998	457.9	90.85	-4.4	457.869	bb			
PFOA	6.57	6.57	0.999	1444.2	96.15	-3.9	1444.179	bb	2.832	2.905	NO
PFOA (M+8)	6.57	6.56	0.999	1188.9	93.76	-6.2	1188.928	bb			
PFHxS	6.91	6.91	0.998	1189.3	85.68	-6.1	1189.308	MM JG	1.790	1.641	NO
PFHxS (M+3)	6.91	6.91	0.999	1532.3	95.05	0.6	1532.253	bb 4/26/18			
PFNA	7.34	7.34	0.999	1076.1	99.32	-0.7	1076.064	bb	2.539	2.930	NO
PFNA (M+9)	7.34	7.34	1.000	862.3	96.05	-3.9	862.323	bb			
PFHpS	7.72	7.72	0.999	1444.0	92.41	-2.7	1444.021	bb	2.172	2.415	NO
8:2 FTS	7.72	7.72	0.996	285.6	69.29	-21.7	285.574	bb	1.112	0.834	NO
8:2 FTS (M+2)	7.71	7.72	0.997	176.5	90.74	2.5	176.514	bb			
PFDA	8.05	8.03	0.963	1123.9	121.0	21.0	1123.922	bb	4.897	6.040	NO
PFDA (M+6)	8.05	8.05	0.972	699.2	80.68	-19.3	699.249	bb			
N-MeFOSAA	8.16	8.17	0.992	302.9	113.8	13.8	302.860	bb	1.106	2.684	YES
N-MeFOSAA (M+3)	8.16	8.15	0.991	285.5	89.01	-11.0	285.528	bb			
PFOS	8.45	8.45	0.999	1245.9	82.06	-11.3	1245.946	MM JG	1.994	2.059	NO
PFOS (M+8)	8.45	8.44	0.998	1253.0	96.31	0.6	1253.002	bb 4/26/18			
N-EtFOSAA	8.46	8.46	0.981	163.6	74.81	-25.2	163.569	bb	1.671	1.169	NO
N-EtFOSAA (M+5)	8.44	8.44	0.994	204.0	98.65	-1.4	204.017	bb			
PFUnA	8.68	8.68	0.996	776.3	101.5	1.5	776.306	bb	4.209	7.317	YES
PFUnA (M+7)	8.68	8.68	0.999	778.4	92.53	-7.5	778.357	bb			
PFNS	9.09	9.09	0.998	1021.4	82.52	-6.8	1021.378	bb	1.980	1.890	NO
PFDoA	9.28	9.27	0.992	422.9	88.64	-11.4	422.929	bd	5.355	5.547	NO
PFDoA (M+2)	9.28	9.27	0.998	537.1	90.95	-9.0	537.062	bb			
PFDS	9.69	9.68	0.836	291.6	54.93	-43.1	291.646	bb	1.504	0.910	YES
PFTrA	9.85	9.83	0.994	256.2	94.38	-5.6	256.154	bb	8.187	16.338	YES
FOSA	9.90	9.89	0.997	853.5	82.54	-17.5	853.516	bb			
FOSA (M+8)	9.90	9.89	0.998	622.0	99.14	-0.9	621.982	bb			
PFTeA	10.39	10.39	0.998	104.3	95.95	-4.0	104.349	bb	3.262	3.290	NO
PFTeA (M+2)	10.39	10.39	0.995	150.6	95.23	-4.8	150.623	bb			

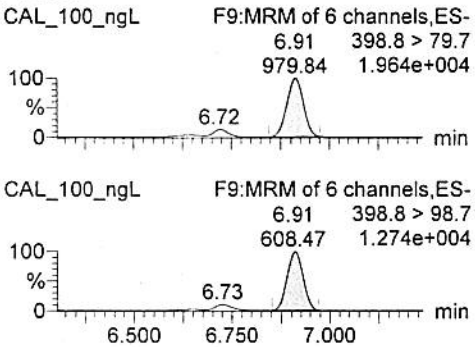
JV 4/26/18

Quantify Sample Report **MassLynx 4.1 SCN919**
Instrument Name: S ITHTQ User: JG
Dataset: Untitled
Last Altered: Thursday, April 26, 2018 10:32:18 Eastern Daylight Time
Printed: Thursday, April 26, 2018 10:32:35 Eastern Daylight Time

Method: C:\MassLynx\PFAS_2016.PRO\MethDB\PFAS_20180425.mdb 25 Apr 2018 10:51:51
Calibration: 26 Apr 2018 10:32:18

Name: 20180425_8041727_100ngL, Date: 25-Apr-2018, Time: 09:47:08, Description: CAL_100_ngL, Instrument: ACQ-TQD#NotSet, User: , Vial: 2:6

PFHxS



original
JG 4/26/18
4/26/18

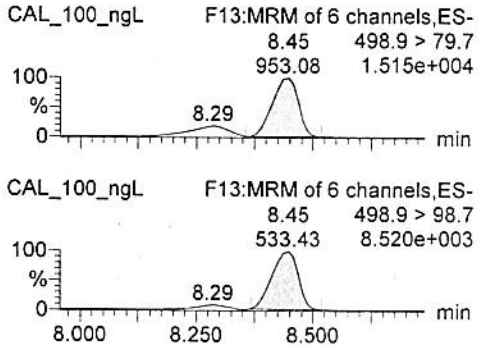
Name	Pred RT	Act RT	COD	Area	ng/L	%Dev	Response	Flags	PredRatio	ActRatio	RatioFail?
PFHxS	6.91	6.91	0.998	979.8	89.06	-2.3	979.841	bb	1.790	1.610	NO

Quantify Sample Report **MassLynx 4.1 SCN919**
Instrument Name: S ITHTQ User: JG
Dataset: Untitled
Last Altered: Thursday, April 26, 2018 10:32:18 Eastern Daylight Time
Printed: Thursday, April 26, 2018 10:33:14 Eastern Daylight Time

Method: C:\MassLynx\PFAS_2016.PRO\MethDB\PFAS_20180425.mdb 25 Apr 2018 10:51:51
Calibration: 26 Apr 2018 10:32:18

Name: 20180425_8041727_100ngL, Date: 25-Apr-2018, Time: 09:47:08, Description: CAL_100_ngL, Instrument: ACQ-TQD#NotSet, User: , Vial: 2:6

PFOS



original
JG 4/26/18
7 4/26/18

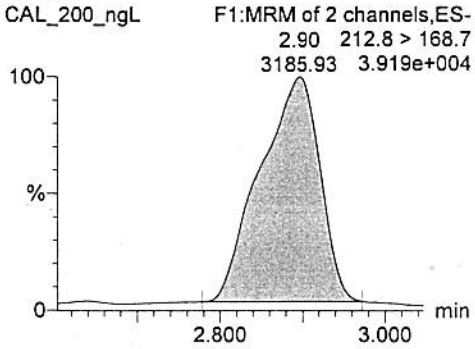
Name	Pred RT	Act RT	COD	Area	ng/L	%Dev	Response	Flags	PredRatio	ActRatio	RatioFail?
PFOS	8.45	8.45	0.998	953.1	84.78	-8.3	953.084	db	1.994	1.787	NO

Quantify Sample Report **MassLynx 4.1 SCN919**
Instrument Name: S ITHTQ User: JG
Dataset: C:\MassLynx\PFAS_2016.PRO\20180425_ICAL.qld
Last Altered: Thursday, April 26, 2018 10:20:42 Eastern Daylight Time
Printed: Thursday, April 26, 2018 10:23:09 Eastern Daylight Time

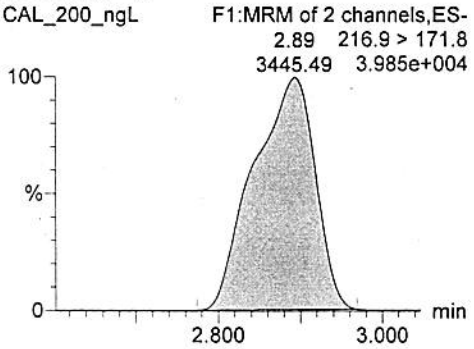
Method: C:\MassLynx\PFAS_2016.PRO\MethDB\PFAS_20180425.mdb 25 Apr 2018 10:51:51
Calibration: C:\MassLynx\PFAS_2016.PRO\CurveDB\PFC_20180425.cdb 26 Apr 2018 10:20:42

Name: 20180425_8041726_200ngL, Date: 25-Apr-2018, Time: 10:09:38, Description: CAL_200_ngL, Instrument: ACQ-TQD#NotSet, User: , Vial: 2:7

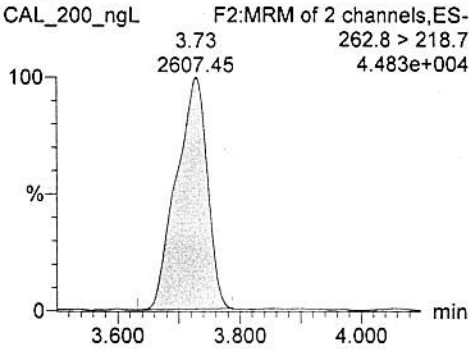
PFBA



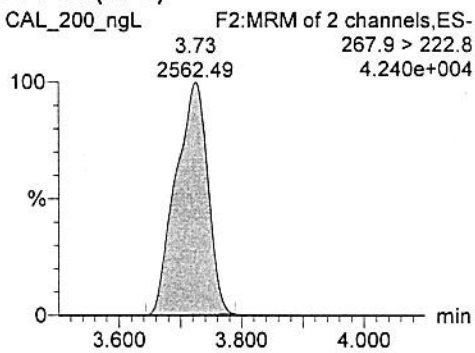
PFBA (M+4)



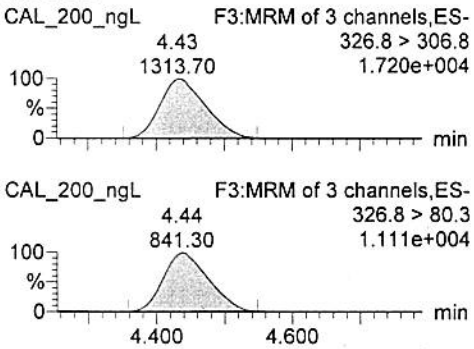
PFPeA



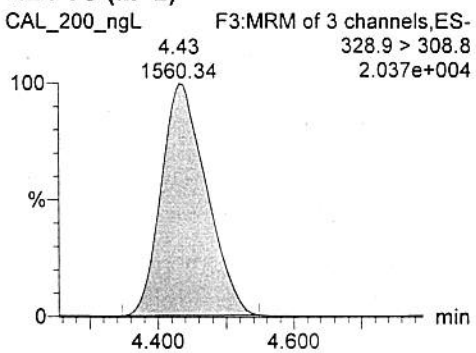
PFPeA (M+5)



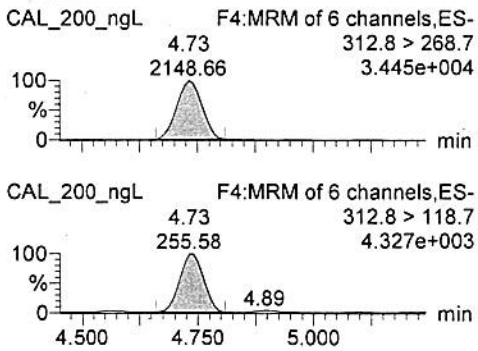
4:2 FTS



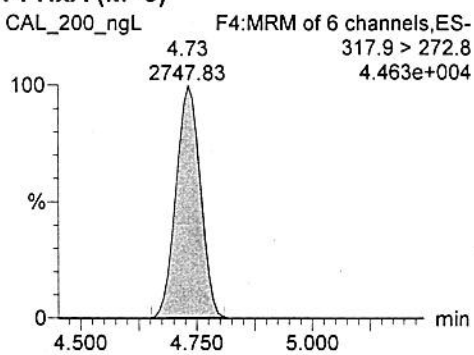
4:2 FTS (M+2)



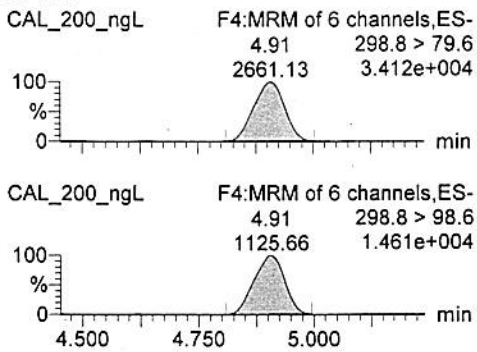
PFHxA



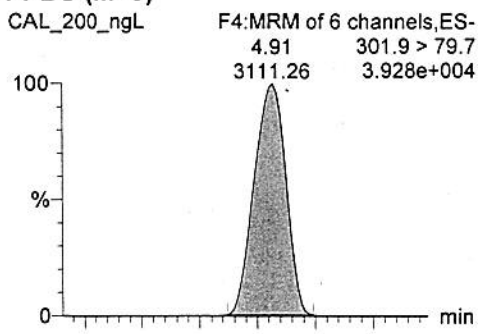
PFHxA (M+5)



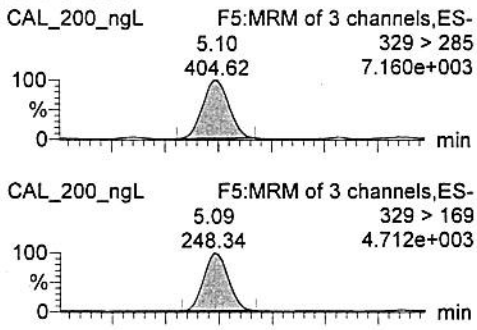
PFBS



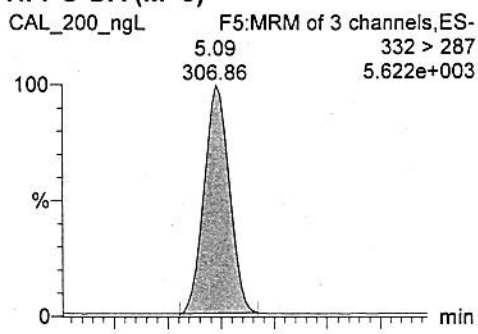
PFBS (M+3)



HFPO-DA



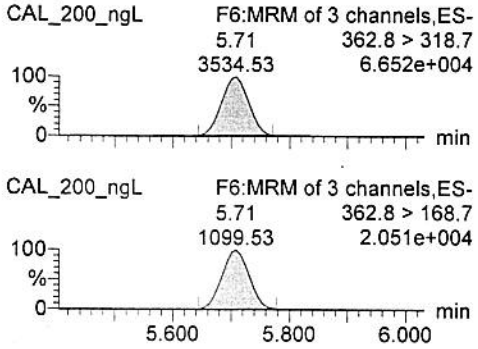
HFPO-DA (M+3)



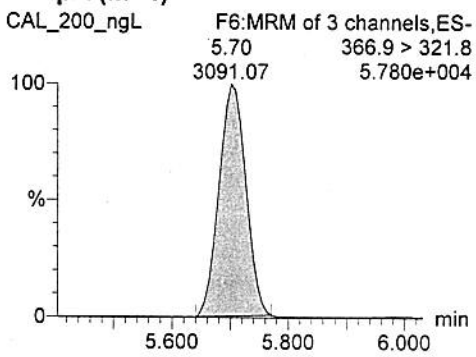
Quantify Sample Report **MassLynx 4.1 SCN919**
Instrument Name: S ITHTQ User: JG
Dataset: C:\MassLynx\PFAS_2016.PRO\20180425_ICAL.qld
Last Altered: Thursday, April 26, 2018 10:20:42 Eastern Daylight Time
Printed: Thursday, April 26, 2018 10:23:09 Eastern Daylight Time

Name: 20180425_8041726_200ngL, Date: 25-Apr-2018, Time: 10:09:38, Description: CAL_200_ngL, Instrument: ACQ-TQD#NotSet, User: , Vial: 2:7

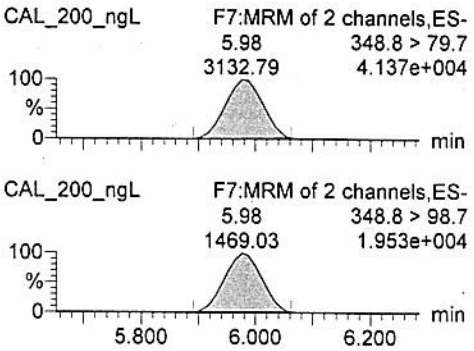
PFHpA



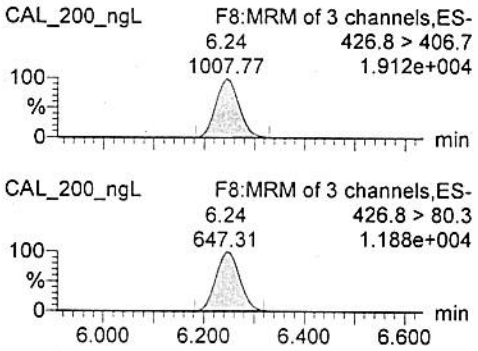
PFHpA (M+4)



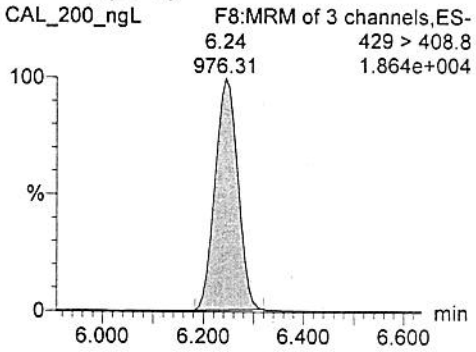
PFPeS



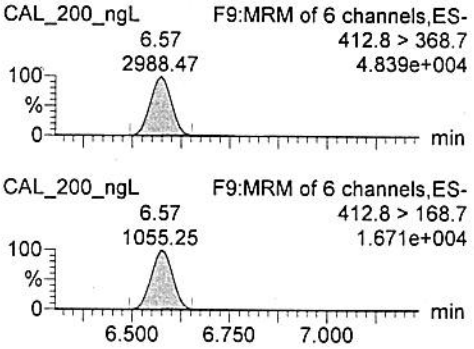
6:2 FTS



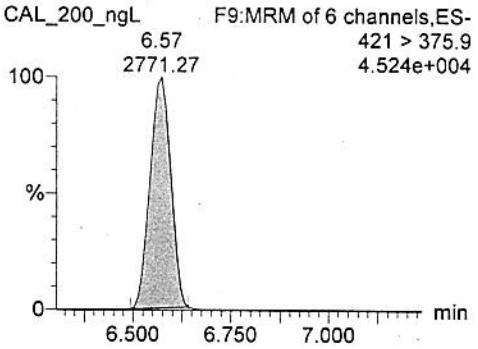
6:2 FTS (M+2)



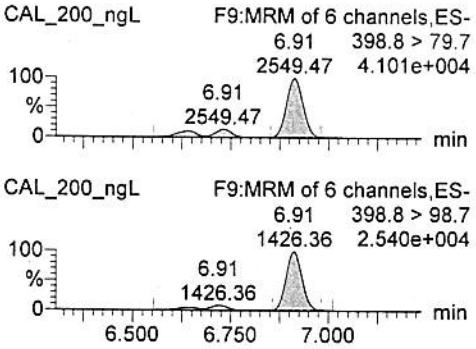
PFOA



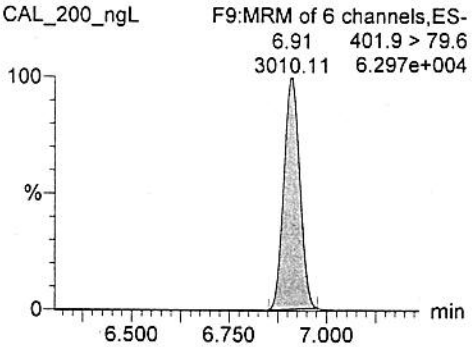
PFOA (M+8)



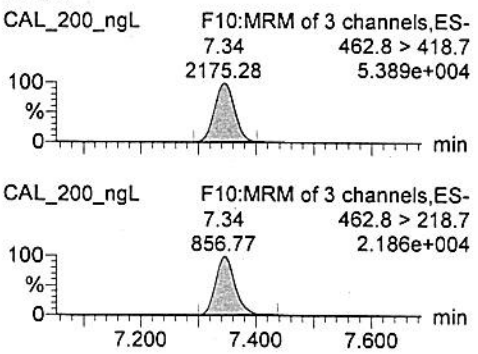
PFHxS



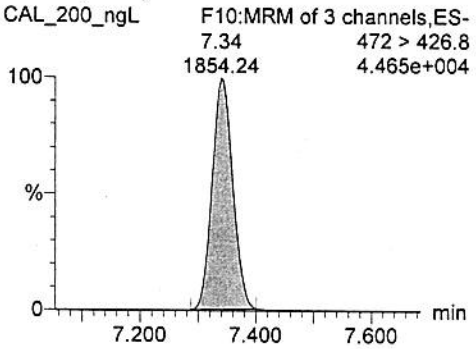
PFHxS (M+3)



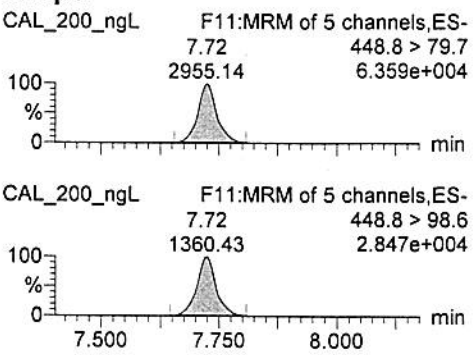
PFNA



PFNA (M+9)



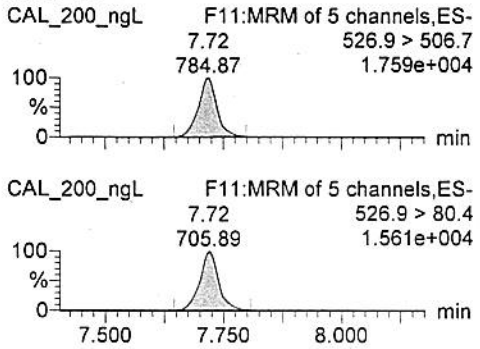
PFHpS



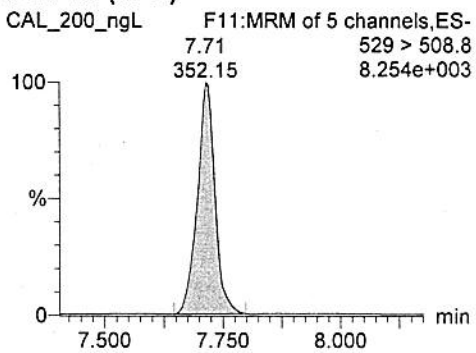
Quantify Sample Report **MassLynx 4.1 SCN919**
Instrument Name: S ITHTQ User: JG
Dataset: C:\MassLynx\PFAS_2016.PRO\20180425_ICAL.qld
Last Altered: Thursday, April 26, 2018 10:20:42 Eastern Daylight Time
Printed: Thursday, April 26, 2018 10:23:09 Eastern Daylight Time

Name: 20180425_8041726_200ngL, Date: 25-Apr-2018, Time: 10:09:38, Description: CAL_200_ngL, Instrument: ACQ-TQD#NotSet, User: , Vial: 2:7

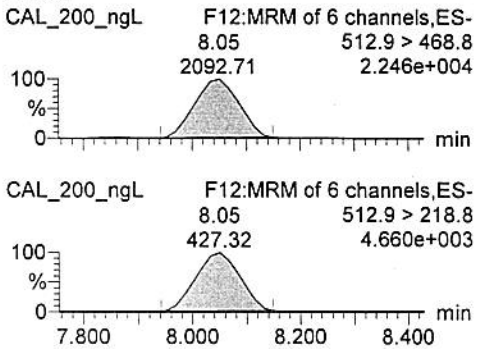
8:2 FTS



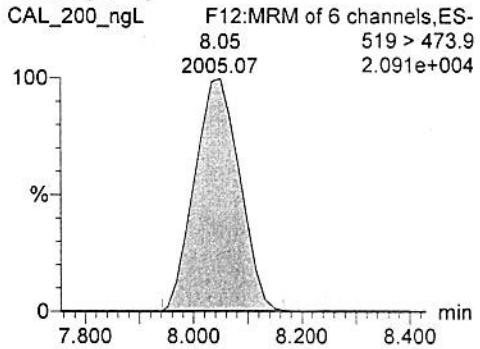
8:2 FTS (M+2)



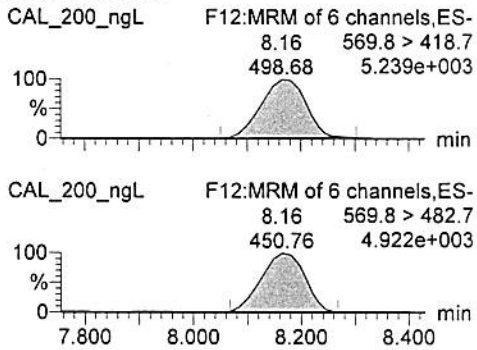
PFDA



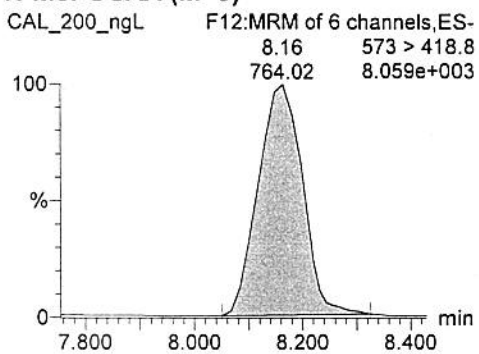
PFDA (M+6)



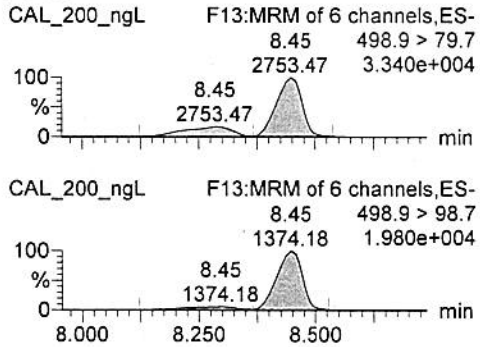
N-MeFOSAA



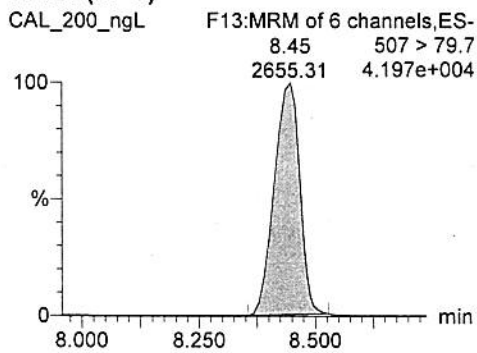
N-MeFOSAA (M+3)



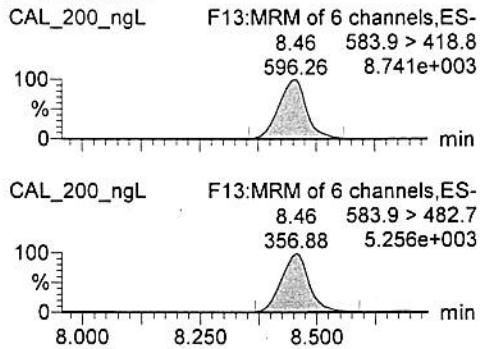
PFOS



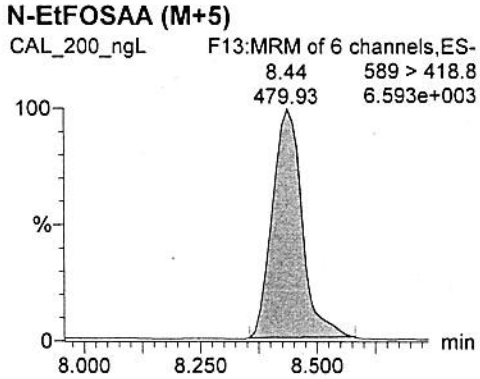
PFOS (M+8)



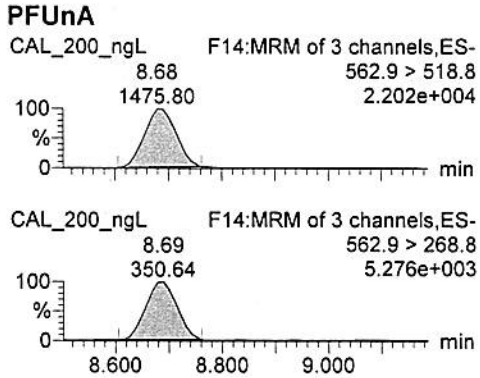
N-EtFOSAA



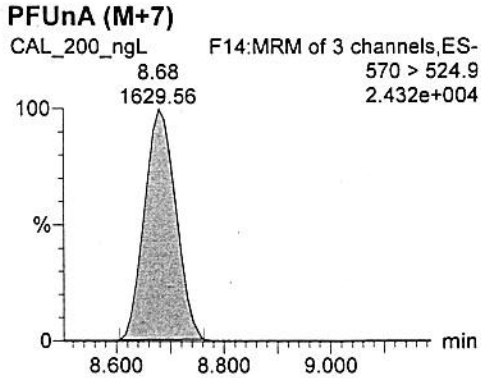
N-EtFOSAA (M+5)



PFUnA



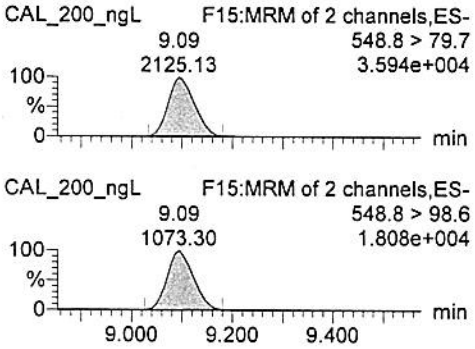
PFUnA (M+7)



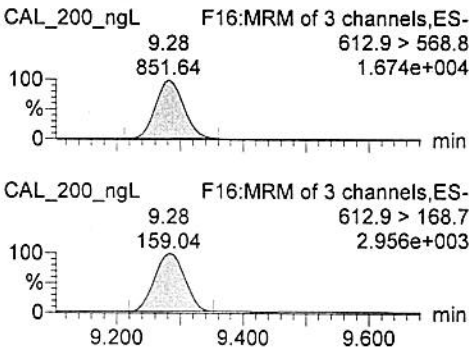
Quantify Sample Report **MassLynx 4.1 SCN919**
Instrument Name: S ITHTQ User: JG
Dataset: C:\MassLynx\PFAS_2016.PRO\20180425_ICAL.qld
Last Altered: Thursday, April 26, 2018 10:20:42 Eastern Daylight Time
Printed: Thursday, April 26, 2018 10:23:09 Eastern Daylight Time

Name: 20180425_8041726_200ngL, Date: 25-Apr-2018, Time: 10:09:38, Description: CAL_200_ngL, Instrument: ACQ-TQD#NotSet, User: , Vial: 2:7

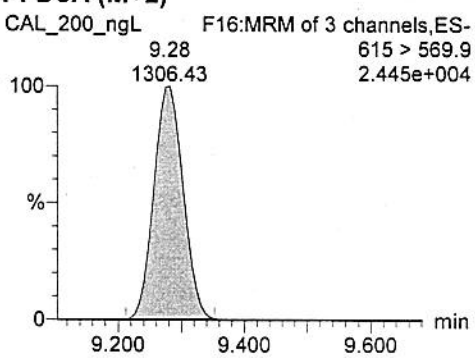
PFNS



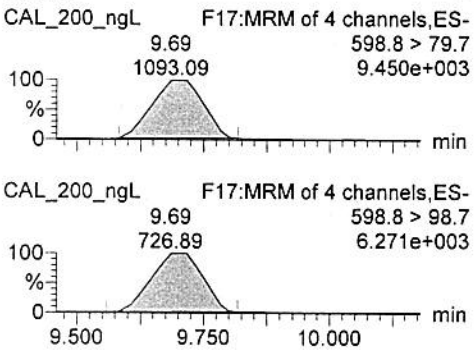
PFDoA



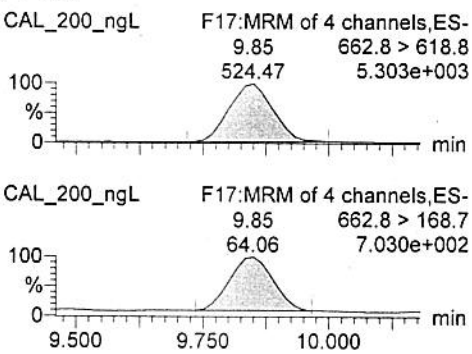
PFDoA (M+2)



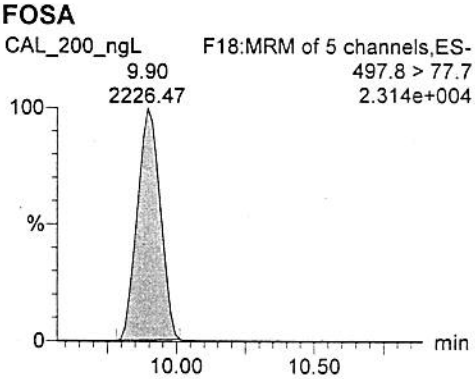
PFDS



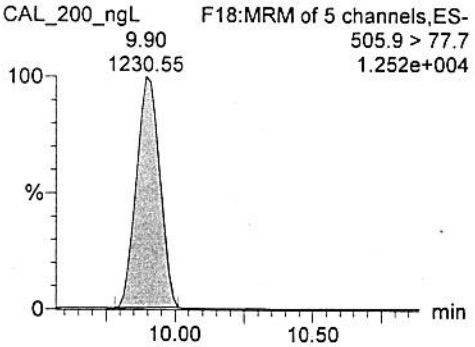
PFTrA



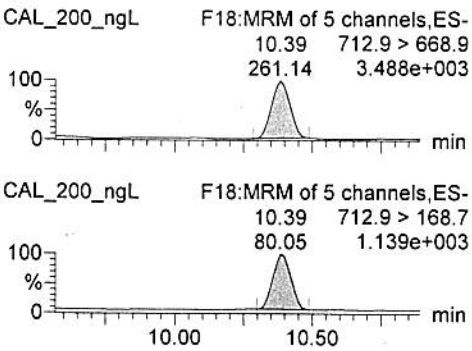
FOSA



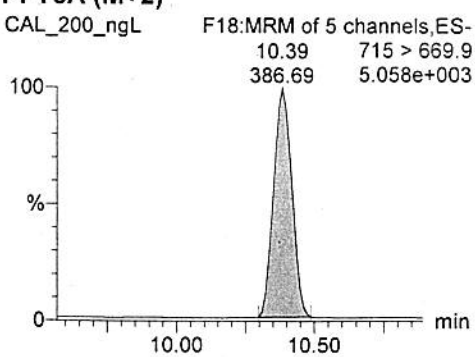
FOSA (M+8)



PFTeA



PFTeA (M+2)



Quantify Sample Report **MassLynx 4.1 SCN919**
Instrument Name: S ITHTQ User: JG
Dataset: C:\MassLynx\PFAS_2016.PRO\20180425_ICAL.qld
Last Altered: Thursday, April 26, 2018 10:20:42 Eastern Daylight Time
Printed: Thursday, April 26, 2018 10:23:09 Eastern Daylight Time

Name: 20180425_8041726_200ngL, Date: 25-Apr-2018, Time: 10:09:38, 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	3185.9	186.2	-6.9	3185.926	bb			
PFBA (M+4)	2.89	2.89	0.999	3445.5	193.1	-3.5	3445.486	bb			
PFPeA	3.73	3.73	0.998	2607.5	188.2	-5.9	2607.454	bb			
PFPeA (M+5)	3.73	3.73	0.999	2562.5	189.3	-5.3	2562.488	bb			
4:2 FTS	4.43	4.43	0.999	1313.7	180.2	-3.6	1313.702	bb	1.561	1.561	NO
4:2 FTS (M+2)	4.43	4.43	0.999	1560.3	193.6	3.6	1560.336	bb			
PFHxA	4.73	4.73	0.995	2148.7	170.0	-15.0	2148.655	bb	8.407	8.407	NO
PFHxA (M+5)	4.73	4.73	0.998	2747.8	205.3	2.7	2747.829	bb			
PFBS	4.91	4.91	0.999	2661.1	172.4	-2.6	2661.129	bb	2.364	2.364	NO
PFBS (M+3)	4.91	4.91	0.998	3111.3	170.7	-8.2	3111.264	bb			
HFPO-DA	5.10	5.10	0.990	404.6	178.9	-10.5	404.622	bb	1.629	1.629	NO
HFPO-DA (M+3)	5.09	5.09	0.989	306.9	161.2	-19.4	306.861	bb			
PFHpA	5.71	5.71	0.999	3534.5	190.7	-4.6	3534.532	bb	3.215	3.215	NO
PFHpA (M+4)	5.70	5.70	0.999	3091.1	193.6	-3.2	3091.066	bb			
PFPeS	5.98	5.98	0.999	3132.8	179.8	-4.3	3132.793	bb	2.133	2.133	NO
6:2 FTS	6.24	6.24	0.997	1007.8	212.2	11.7	1007.765	bb	1.557	1.557	NO
6:2 FTS (M+2)	6.24	6.24	0.998	976.3	190.4	0.2	976.311	bb			
PFOA	6.57	6.57	0.999	2988.5	199.1	-0.4	2988.465	bb	2.832	2.832	NO
PFOA (M+8)	6.57	6.57	0.999	2771.3	211.1	5.5	2771.270	bb			
PFHxS	6.91	6.91	0.998	2549.5	183.2	0.4	2549.475	MM JG	1.790	1.787	NO
PFHxS (M+3)	6.91	6.91	0.999	3010.1	184.0	-2.6	3010.107	bb 4/26/18			
PFNA	7.34	7.34	0.999	2175.3	199.1	-0.4	2175.283	bb	2.539	2.539	NO
PFNA (M+9)	7.34	7.34	1.000	1854.2	203.7	1.8	1854.237	bb			
PFHpS	7.72	7.72	0.999	2955.1	188.3	-0.9	2955.141	bb	2.172	2.172	NO
8:2 FTS	7.72	7.72	0.996	784.9	186.6	5.4	784.873	bb	1.112	1.112	NO
8:2 FTS (M+2)	7.71	7.71	0.997	352.1	172.3	-2.6	352.146	bb			
PFDA	8.05	8.05	0.963	2092.7	225.9	13.0	2092.714	bb	4.897	4.897	NO
PFDA (M+6)	8.05	8.05	0.972	2005.1	239.4	19.7	2005.069	bb			
N-MeFOSAA	8.16	8.16	0.992	498.7	169.4	-15.3	498.675	bb	1.106	1.106	NO
N-MeFOSAA (M+3)	8.16	8.16	0.991	764.0	224.2	12.1	764.016	bb			
PFOS	8.45	8.45	0.999	2753.5	178.3	-3.6	2753.467	MM JG	1.994	2.004	NO
PFOS (M+8)	8.45	8.45	0.998	2655.3	201.2	5.1	2655.313	bb 4/26/18			
N-EtFOSAA	8.46	8.46	0.981	596.3	248.8	24.4	596.262	bb	1.671	1.671	NO
N-EtFOSAA (M+5)	8.44	8.44	0.994	479.9	222.6	11.3	479.927	bb			
PFUnA	8.68	8.68	0.996	1475.8	191.1	-4.5	1475.804	bb	4.209	4.209	NO
PFUnA (M+7)	8.68	8.68	0.999	1629.6	189.7	-5.1	1629.562	bb			
PFNS	9.09	9.09	0.998	2125.1	170.0	-4.0	2125.133	bb	1.980	1.980	NO
PFDoA	9.28	9.28	0.992	851.6	176.9	-11.5	851.641	bb	5.355	5.355	NO
PFDoA (M+2)	9.28	9.28	0.998	1306.4	207.2	3.6	1306.430	bb			
PFDS	9.69	9.69	0.836	1093.1	275.8	42.9 *	1093.085	bb	1.504	1.504	NO
PFTrA	9.85	9.85	0.994	524.5	227.3	13.7	524.466	bb	8.187	8.187	NO
FOSA	9.90	9.90	0.997	2226.5	208.0	4.0	2226.466	bb			
FOSA (M+8)	9.90	9.90	0.998	1230.6	190.3	-4.9	1230.554	bb			
PFTeA	10.39	10.39	0.998	261.1	194.7	-2.6	261.137	bb	3.262	3.262	NO
PFTeA (M+2)	10.39	10.39	0.995	386.7	201.5	0.8	386.694	bb			

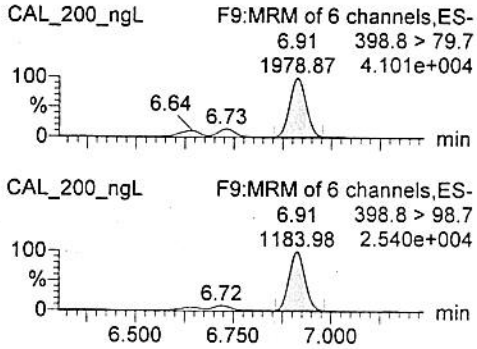
JG 4/26/18

Quantify Sample Report **MassLynx 4.1 SCN919**
Instrument Name: S ITHTQ User: JG
Dataset: Untitled
Last Altered: Thursday, April 26, 2018 10:32:18 Eastern Daylight Time
Printed: Thursday, April 26, 2018 10:32:38 Eastern Daylight Time

Method: C:\MassLynx\PFAS_2016.PRO\MethDB\PFAS_20180425.mdb 25 Apr 2018 10:51:51
Calibration: 26 Apr 2018 10:32:18

Name: 20180425_8041726_200ngL, Date: 25-Apr-2018, Time: 10:09:38, Description: CAL_200_ngL, Instrument: ACQ-TQD#NotSet, User: , Vial: 2:7

PFHxS



original
JG 4/26/18
JV 4/26/18

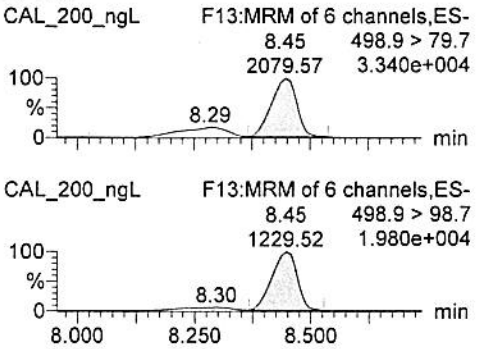
Name	Pred RT	Act RT	COD	Area	ng/L	%Dev	Response	Flags	PredRatio	ActRatio	RatioFail?
PFHxS	6.91	6.91	0.998	1978.9	178.0	-2.4	1978.865	bb	1.790	1.671	NO

Quantify Sample Report **MassLynx 4.1 SCN919**
Instrument Name: S ITHTQ User: JG
Dataset: Untitled
Last Altered: Thursday, April 26, 2018 10:32:18 Eastern Daylight Time
Printed: Thursday, April 26, 2018 10:33:17 Eastern Daylight Time

Method: C:\MassLynx\PFAS_2016.PRO\MethDB\PFAS_20180425.mdb 25 Apr 2018 10:51:51
Calibration: 26 Apr 2018 10:32:18

Name: 20180425_8041726_200ngL, Date: 25-Apr-2018, Time: 10:09:38, Description: CAL_200_ngL, Instrument: ACQ-TQD#NotSet, User: , Vial: 2:7

PFOS



original
JG 4/26/18
JV 4/26/18

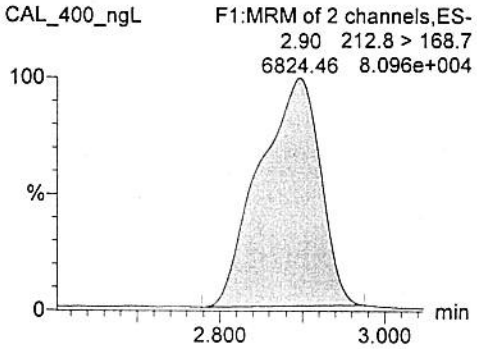
Name	Pred RT	Act RT	COD	Area	ng/L	%Dev	Response	Flags	PredRatio	ActRatio	RatioFail?
PFOS	8.45	8.45	0.998	2079.6	182.0	-1.6	2079.571	db	1.994	1.691	NO

Quantify Sample Report **MassLynx 4.1 SCN919**
Instrument Name: S ITHTQ User: JG
Dataset: C:\MassLynx\PFAS_2016.PRO\20180425_ICAL.qld
Last Altered: Thursday, April 26, 2018 10:20:42 Eastern Daylight Time
Printed: Thursday, April 26, 2018 10:23:10 Eastern Daylight Time

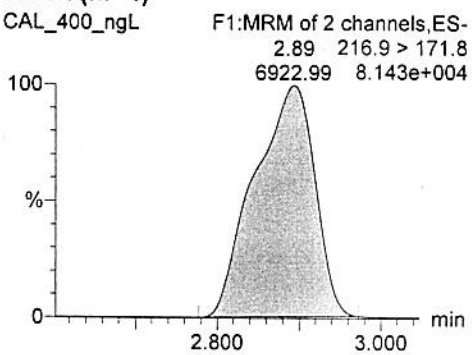
Method: C:\MassLynx\PFAS_2016.PRO\MethDB\PFAS_20180425.mdb 25 Apr 2018 10:51:51
Calibration: C:\MassLynx\PFAS_2016.PRO\CurveDB\PFC_20180425.cdb 26 Apr 2018 10:20:42

Name: 20180425_8041724_400ngL, Date: 25-Apr-2018, Time: 10:32:06, Description: CAL_400_ngL, Instrument: ACQ-TQD#NotSet, User: , Vial: 2:8

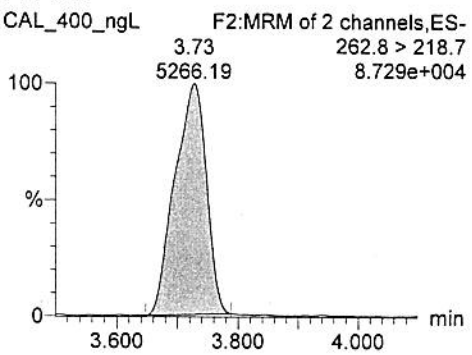
PFBA



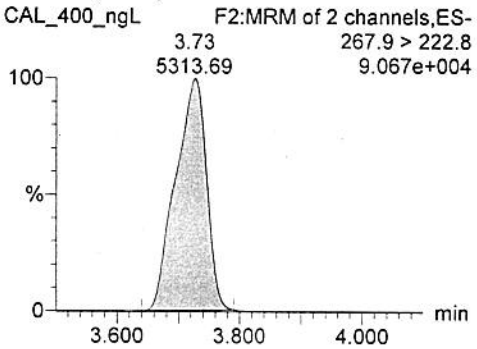
PFBA (M+4)



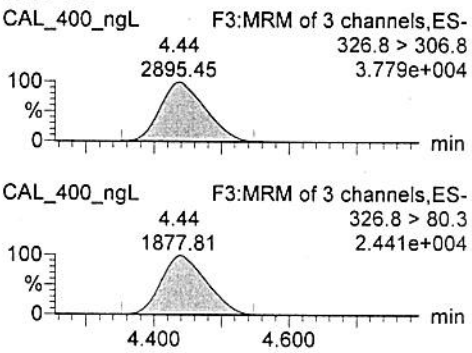
PFPeA



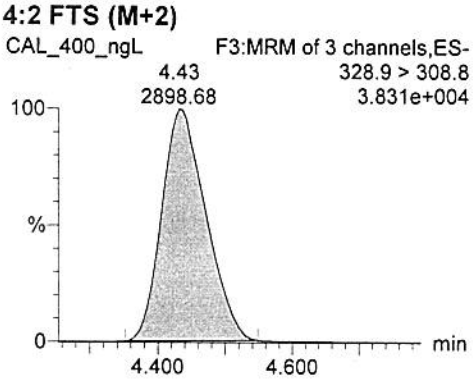
PFPeA (M+5)



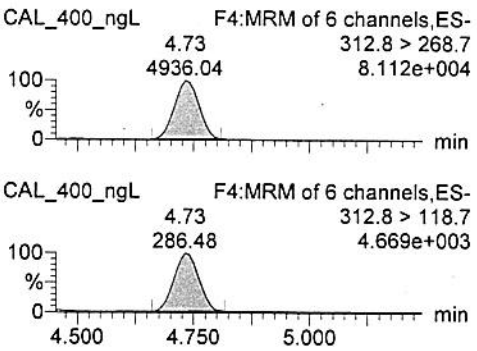
4:2 FTS



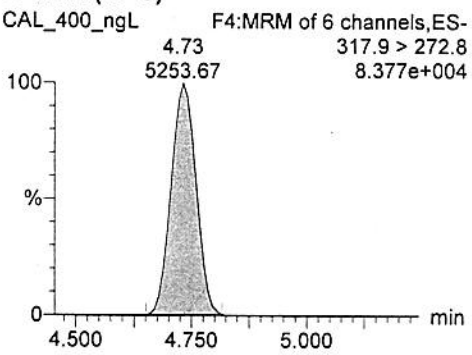
4:2 FTS (M+2)



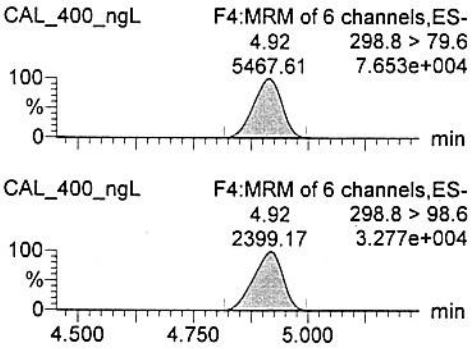
PFHxA



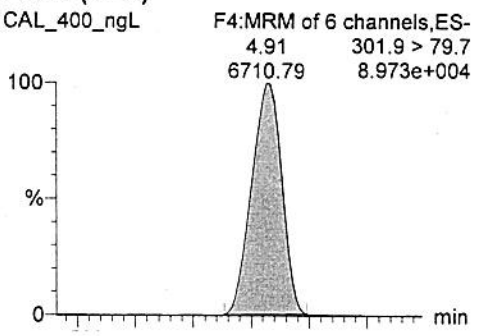
PFHxA (M+5)



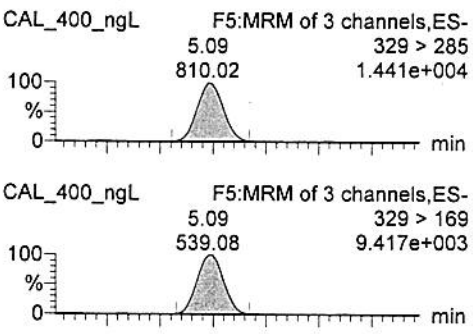
PFBS



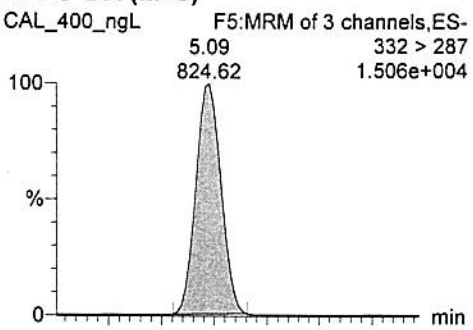
PFBS (M+3)



HFPO-DA



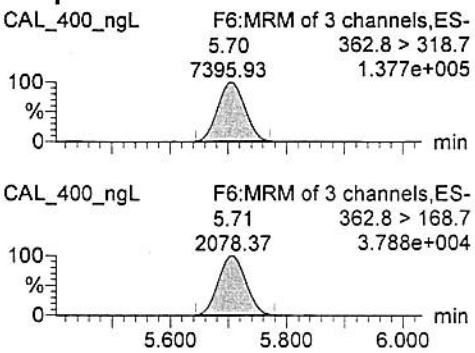
HFPO-DA (M+3)



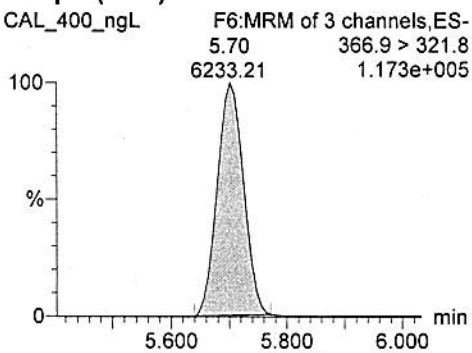
Quantify Sample Report **MassLynx 4.1 SCN919**
Instrument Name: S ITHTQ User: JG
Dataset: C:\MassLynx\PFAS_2016.PRO\20180425_ICAL.qld
Last Altered: Thursday, April 26, 2018 10:20:42 Eastern Daylight Time
Printed: Thursday, April 26, 2018 10:23:10 Eastern Daylight Time

Name: 20180425_8041724_400ngL, Date: 25-Apr-2018, Time: 10:32:06, Description: CAL_400_ngL, Instrument: ACQ-TQD#NotSet, User: , Vial: 2:8

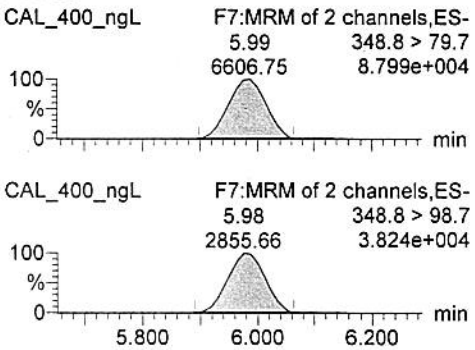
PFHpA



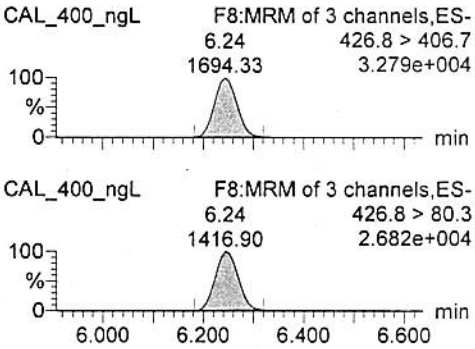
PFHpA (M+4)



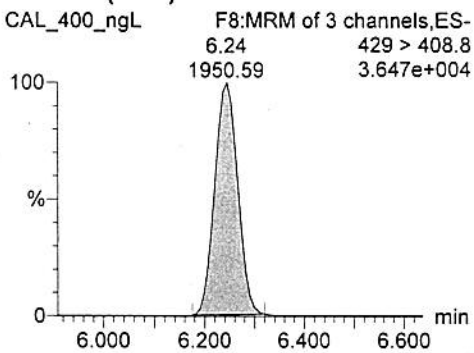
PFPeS



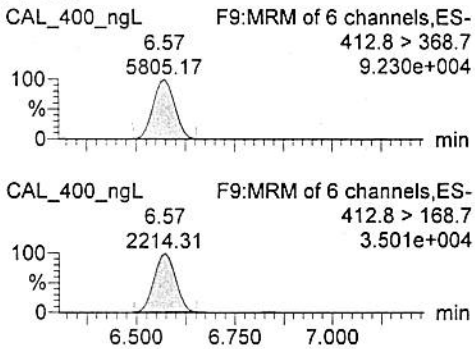
6:2 FTS



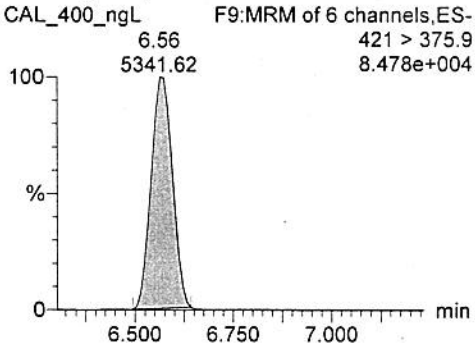
6:2 FTS (M+2)



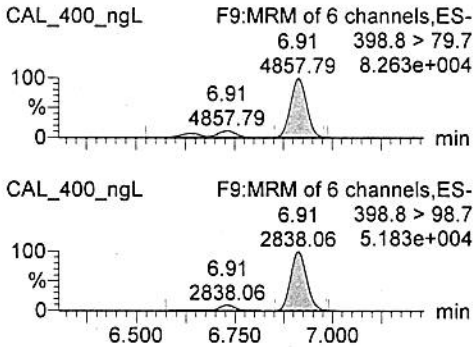
PFOA



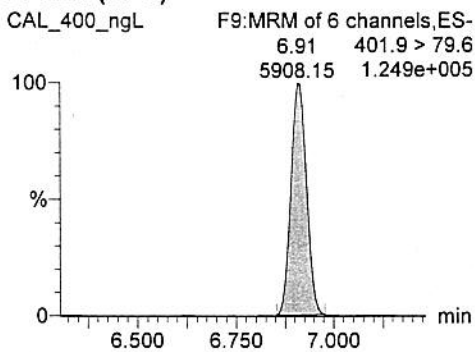
PFOA (M+8)



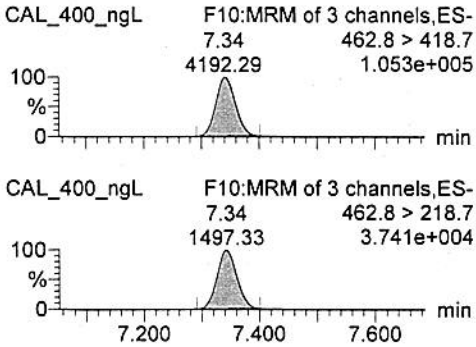
PFHxS



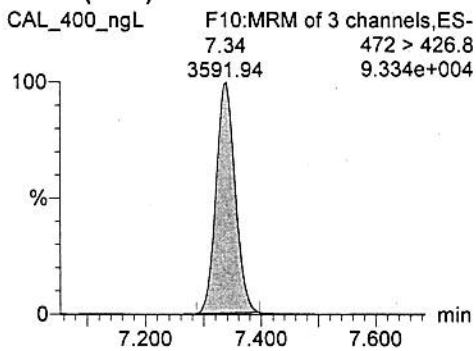
PFHxS (M+3)



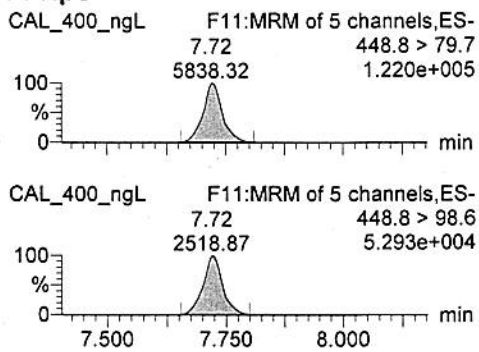
PFNA



PFNA (M+9)



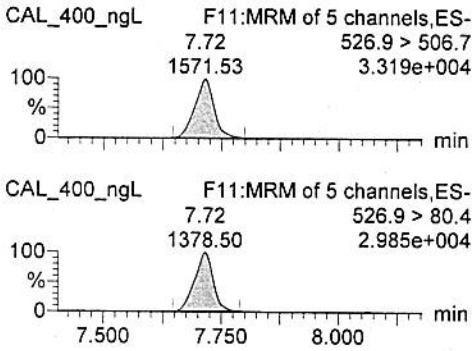
PFHpS



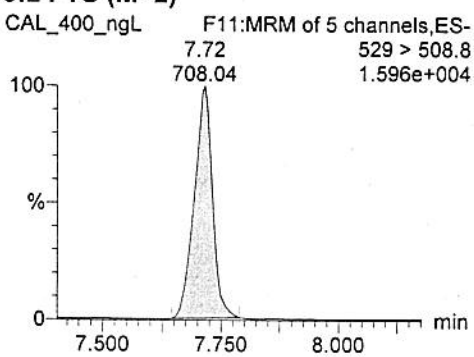
Quantify Sample Report **MassLynx 4.1 SCN919**
Instrument Name: S ITHTQ User: JG
Dataset: C:\MassLynx\PFAS_2016.PRO\20180425_ICAL.qld
Last Altered: Thursday, April 26, 2018 10:20:42 Eastern Daylight Time
Printed: Thursday, April 26, 2018 10:23:10 Eastern Daylight Time

Name: 20180425_8041724_400ngL, Date: 25-Apr-2018, Time: 10:32:06, Description: CAL_400_ngL, Instrument: ACQ-TQD#NotSet, User: , Vial: 2:8

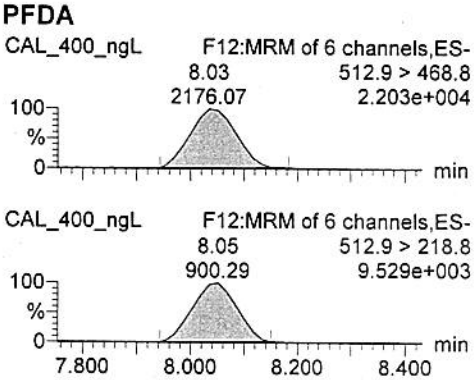
8:2 FTS



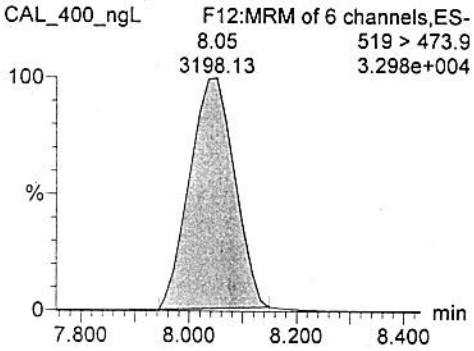
8:2 FTS (M+2)



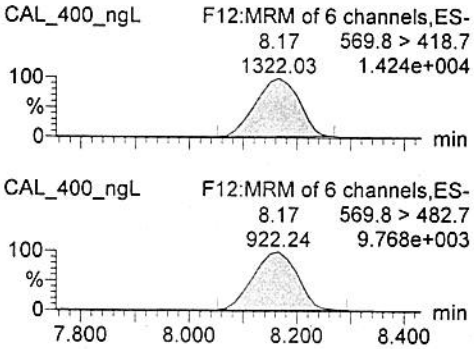
PFDA



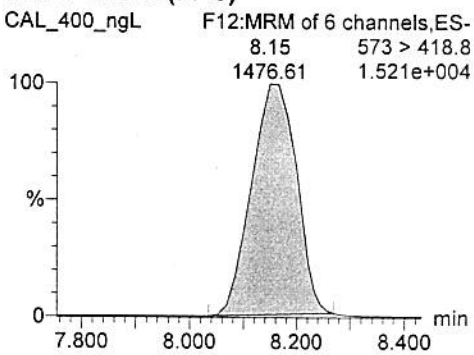
PFDA (M+6)



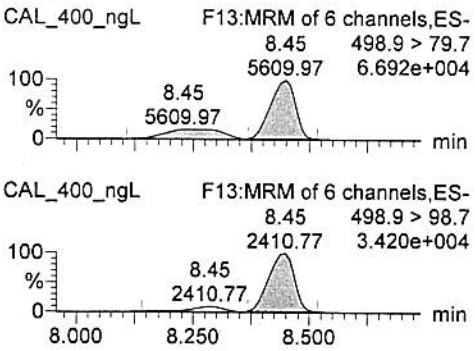
N-MeFOSAA



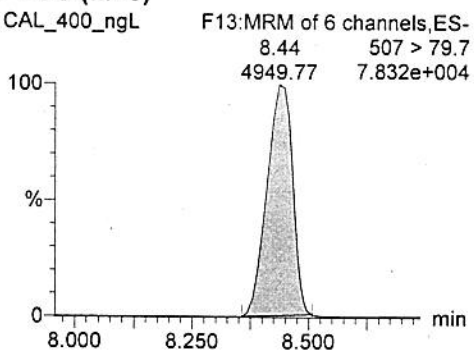
N-MeFOSAA (M+3)



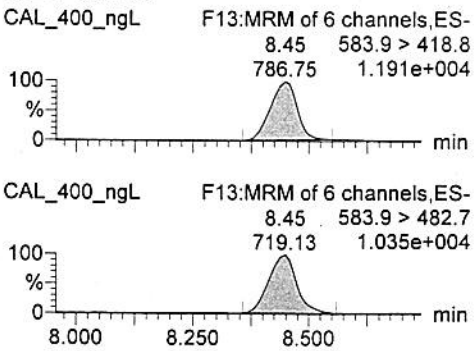
PFOS



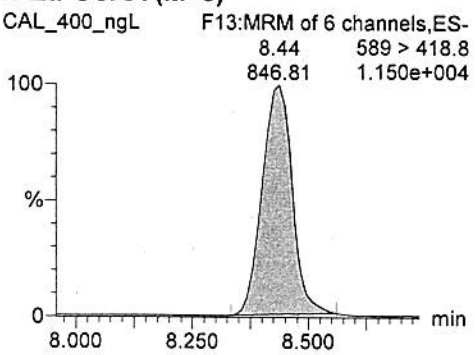
PFOS (M+8)



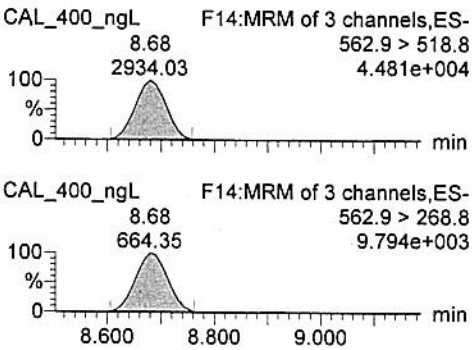
N-EtFOSAA



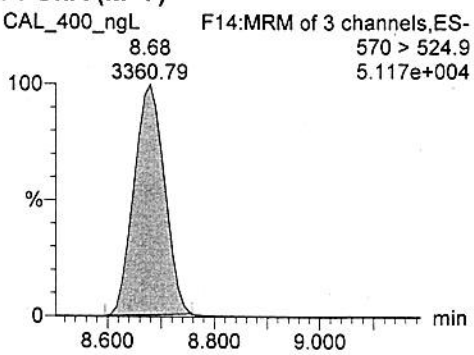
N-EtFOSAA (M+5)



PFUnA



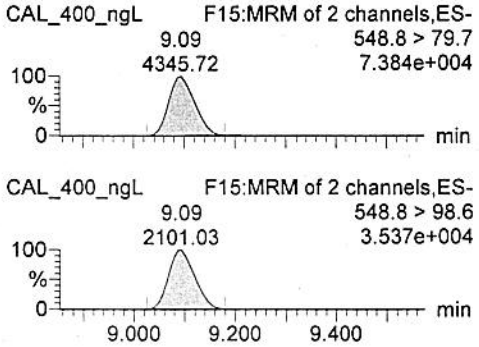
PFUnA (M+7)



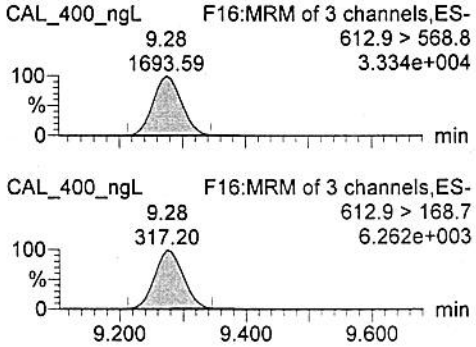
Quantify Sample Report **MassLynx 4.1 SCN919**
Instrument Name: S ITHTQ User: JG
Dataset: C:\MassLynx\PFAS_2016.PRO\20180425_ICAL.qld
Last Altered: Thursday, April 26, 2018 10:20:42 Eastern Daylight Time
Printed: Thursday, April 26, 2018 10:23:10 Eastern Daylight Time

Name: 20180425_8041724_400ngL, Date: 25-Apr-2018, Time: 10:32:06, Description: CAL_400_ngL, Instrument: ACQ-TQD#NotSet, User: , Vial: 2:8

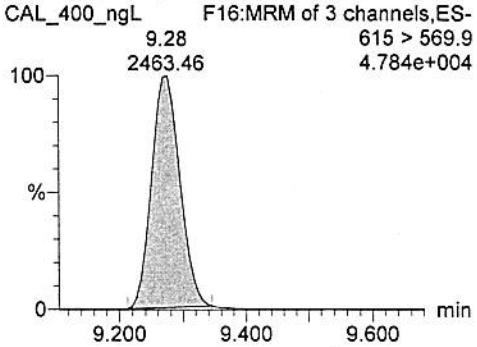
PFNS



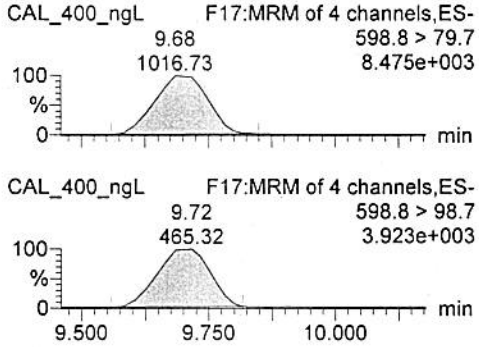
PFDoA



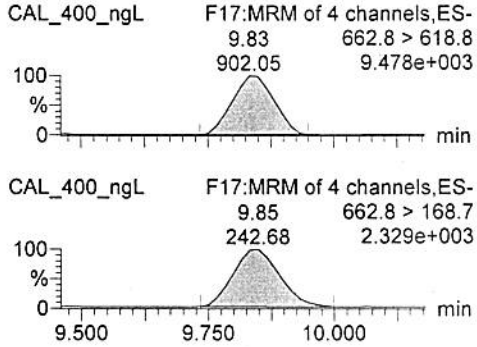
PFDoA (M+2)



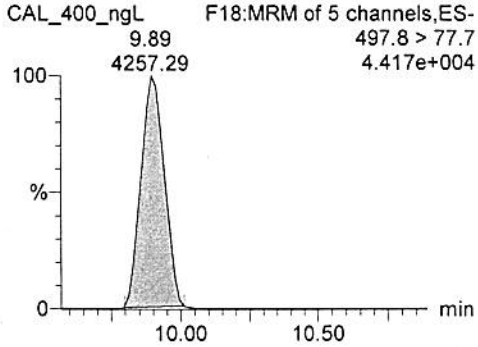
PFDS



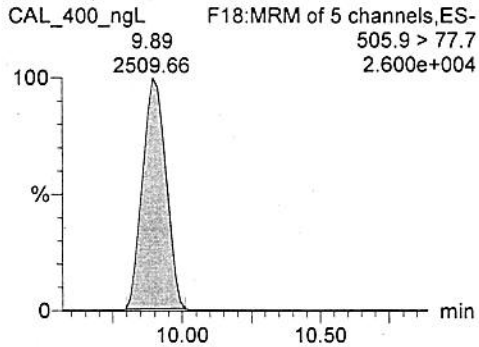
PFTrA



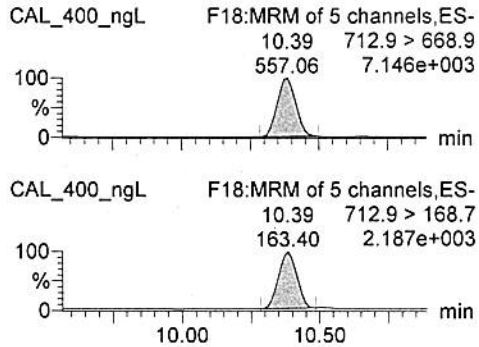
FOSA



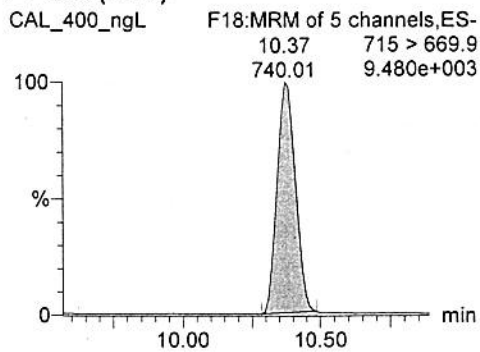
FOSA (M+8)



PFTeA



PFTeA (M+2)



Quantify Sample Report **MassLynx 4.1 SCN919**
Instrument Name: S ITHTQ User: JG
Dataset: C:\MassLynx\PFAS_2016.PRO\20180425_ICAL.qld
Last Altered: Thursday, April 26, 2018 10:20:42 Eastern Daylight Time
Printed: Thursday, April 26, 2018 10:23:10 Eastern Daylight Time

Name: 20180425_8041724_400ngL, Date: 25-Apr-2018, Time: 10:32:06, 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	6824.5	397.0	-0.8	6824.459	bb			
PFBA (M+4)	2.89	2.89	0.999	6923.0	385.0	-3.7	6922.989	bb			
PFPeA	3.73	3.73	0.998	5266.2	378.0	-5.5	5266.195	bb			
PFPeA (M+5)	3.73	3.73	0.999	5313.7	385.8	-3.6	5313.694	bb			
4:2 FTS	4.43	4.44	0.999	2895.5	391.4	4.7	2895.451	bb	1.561	1.542	NO
4:2 FTS (M+2)	4.43	4.43	0.999	2898.7	358.0	-4.3	2898.680	bb			
PFHxA	4.73	4.73	0.995	4936.0	390.4	-2.4	4936.042	bb	8.407	17.230	YES
PFHxA (M+5)	4.73	4.73	0.998	5253.7	384.7	-3.8	5253.665	bb			
PFBS	4.91	4.92	0.999	5467.6	350.8	-0.9	5467.610	bb	2.364	2.279	NO
PFBS (M+3)	4.91	4.91	0.998	6710.8	361.1	-2.9	6710.792	bb			
HFPO-DA	5.10	5.09	0.990	810.0	362.9	-9.3	810.021	bb	1.629	1.503	NO
HFPO-DA (M+3)	5.09	5.09	0.989	824.6	405.8	1.4	824.621	bb			
PFHpA	5.71	5.70	0.999	7395.9	396.6	-0.8	7395.929	bb	3.215	3.559	NO
PFHpA (M+4)	5.70	5.70	0.999	6233.2	390.3	-2.4	6233.211	bb			
PFPeS	5.98	5.99	0.999	6606.8	376.8	0.2	6606.754	bb	2.133	2.314	NO
6:2 FTS	6.24	6.24	0.997	1694.3	360.1	-5.2	1694.325	bb	1.557	1.196	NO
6:2 FTS (M+2)	6.24	6.24	0.998	1950.6	377.5	-0.7	1950.589	bb			
PFOA	6.57	6.57	0.999	5805.2	387.0	-3.3	5805.167	bb	2.832	2.622	NO
PFOA (M+8)	6.57	6.56	0.999	5341.6	401.6	0.4	5341.618	bb			
PFHxS	6.91	6.91	0.998	4857.8	348.7	-4.4	4857.786	MM JG	1.790	1.712	NO
PFHxS (M+3)	6.91	6.91	0.999	5908.1	358.4	-5.2	5908.150	bb 4/26/18			
PFNA	7.34	7.34	0.999	4192.3	382.2	-4.4	4192.290	bb	2.539	2.800	NO
PFNA (M+9)	7.34	7.34	1.000	3591.9	392.2	-1.9	3591.941	bb			
PFHpS	7.72	7.72	0.999	5838.3	371.4	-2.3	5838.320	bb	2.172	2.318	NO
8:2 FTS	7.72	7.72	0.996	1571.5	371.5	4.9	1571.527	bb	1.112	1.140	NO
8:2 FTS (M+2)	7.71	7.72	0.997	708.0	337.7	-4.6	708.042	bb			
PFDA	8.05	8.03	0.963	2176.1	234.9	-41.3	2176.074	bb	4.897	2.417	YES
PFDA (M+6)	8.05	8.05	0.972	3198.1	384.4	-3.9	3198.127	bb			
N-MeFOSAA	8.16	8.17	0.992	1322.0	402.8	0.7	1322.029	bb	1.106	1.434	NO
N-MeFOSAA (M+3)	8.16	8.15	0.991	1476.6	425.5	6.4	1476.612	bb			
PFOS	8.45	8.45	0.999	5610.0	360.8	-2.5	5609.968	MM JG	1.994	2.327	NO
PFOS (M+8)	8.45	8.44	0.998	4949.8	372.7	-2.6	4949.765	bb 4/26/18			
N-EtFOSAA	8.46	8.45	0.981	786.7	325.4	-18.6	786.746	bb	1.671	1.094	NO
N-EtFOSAA (M+5)	8.44	8.44	0.994	846.8	387.4	-3.1	846.814	bb			
PFUnA	8.68	8.68	0.996	2934.0	377.7	-5.6	2934.035	bb	4.209	4.416	NO
PFUnA (M+7)	8.68	8.68	0.999	3360.8	387.4	-3.2	3360.787	bb			
PFNS	9.09	9.09	0.998	4345.7	346.0	-2.3	4345.718	bb	1.980	2.068	NO
PFDoA	9.28	9.28	0.992	1693.6	350.3	-12.4	1693.593	bb	5.355	5.339	NO
PFDoA (M+2)	9.28	9.28	0.998	2463.5	381.9	-4.5	2463.462	bb			
PFDS	9.69	9.68	0.836	1016.7	254.7	-34.0	1016.734	bb	1.504	2.185	YES
PFTrA	9.85	9.83	0.994	902.1	414.4	3.6	902.052	bb	8.187	3.717	YES
FOSA	9.90	9.89	0.997	4257.3	393.7	-1.6	4257.293	bb			
FOSA (M+8)	9.90	9.89	0.998	2509.7	381.8	-4.5	2509.663	bb			
PFTeA	10.39	10.39	0.998	557.1	381.1	-4.7	557.060	bb	3.262	3.409	NO
PFTeA (M+2)	10.39	10.37	0.995	740.0	360.6	-9.9	740.014	bb			

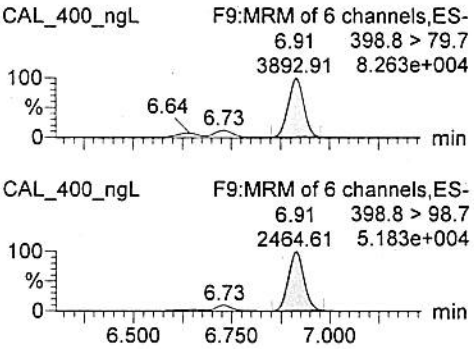
JG 4/26/18

Quantify Sample Report **MassLynx 4.1 SCN919**
Instrument Name: S ITHTQ User: JG
Dataset: Untitled
Last Altered: Thursday, April 26, 2018 10:32:18 Eastern Daylight Time
Printed: Thursday, April 26, 2018 10:32:41 Eastern Daylight Time

Method: C:\MassLynx\PFAS_2016.PRO\MethDB\PFAS_20180425.mdb 25 Apr 2018 10:51:51
Calibration: 26 Apr 2018 10:32:18

Name: 20180425_8041724_400ngL, Date: 25-Apr-2018, Time: 10:32:06, Description: CAL_400_ngL, Instrument: ACQ-TQD#NotSet, User: , Vial: 2:8

PFHxS



original
JG 4/26/18
4/26/18

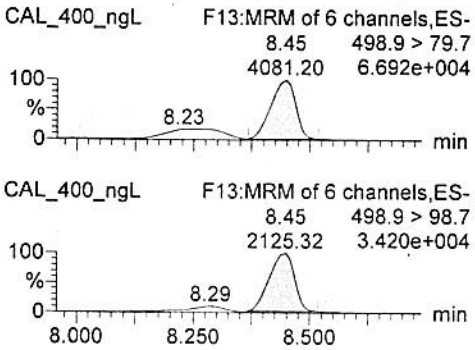
Name	Pred RT	Act RT	COD	Area	ng/L	%Dev	Response	Flags	PredRatio	ActRatio	RatioFail?
PFHxS	6.91	6.91	0.998	3892.9	348.5	-4.5	3892.913	bb	1.790	1.579	NO

Quantify Sample Report **MassLynx 4.1 SCN919**
Instrument Name: S ITHTQ User: JG
Dataset: Untitled
Last Altered: Thursday, April 26, 2018 10:32:18 Eastern Daylight Time
Printed: Thursday, April 26, 2018 10:33:20 Eastern Daylight Time

Method: C:\MassLynx\PFAS_2016.PRO\MethDB\PFAS_20180425.mdb 25 Apr 2018 10:51:51
Calibration: 26 Apr 2018 10:32:18

Name: 20180425_8041724_400ngL, Date: 25-Apr-2018, Time: 10:32:06, Description: CAL_400_ngL, Instrument: ACQ-TQD#NotSet, User: , Vial: 2:8

PFOS



original JG 4/26/18
JV 4/26/18

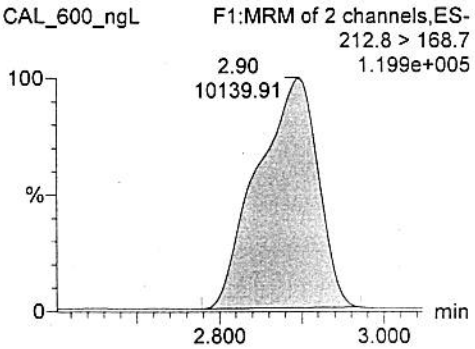
Name	Pred RT	Act RT	COD	Area	ng/L	%Dev	Response	Flags	PredRatio	ActRatio	RatioFail?
PFOS	8.45	8.45	0.998	4081.2	354.8	-4.1	4081.203	db	1.994	1.920	NO

Quantify Sample Report **MassLynx 4.1 SCN919**
Instrument Name: S ITHTQ User: JG
Dataset: C:\MassLynx\PFAS_2016.PRO\20180425_ICAL.qld
Last Altered: Thursday, April 26, 2018 10:20:42 Eastern Daylight Time
Printed: Thursday, April 26, 2018 10:23:11 Eastern Daylight Time

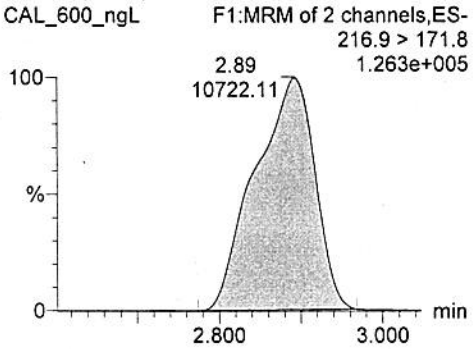
Method: C:\MassLynx\PFAS_2016.PRO\MethDB\PFAS_20180425.mdb 25 Apr 2018 10:51:51
Calibration: C:\MassLynx\PFAS_2016.PRO\CurveDB\PFC_20180425.cdb 26 Apr 2018 10:20:42

Name: 20180425_8041723_600ngL, Date: 25-Apr-2018, Time: 10:54:38, Description: CAL_600_ngL, Instrument: ACQ-TQD#NotSet, User: , Vial: 2:9

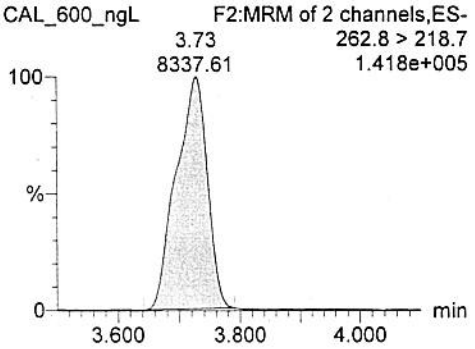
PFBA



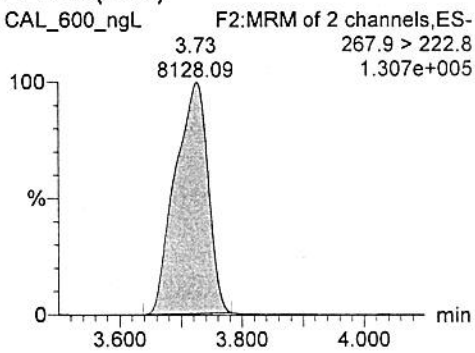
PFBA (M+4)



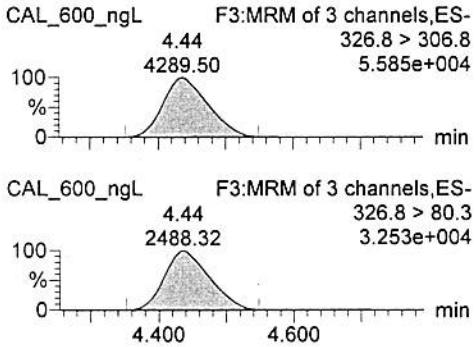
PFPeA



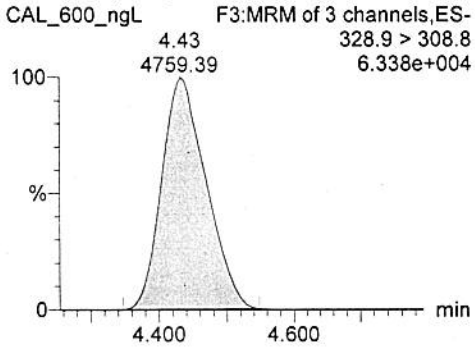
PFPeA (M+5)



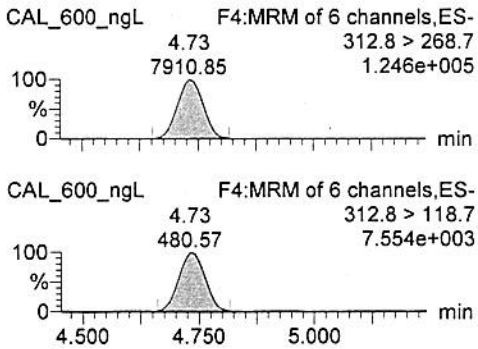
4:2 FTS



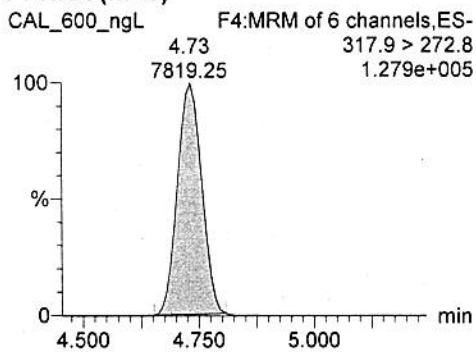
4:2 FTS (M+2)



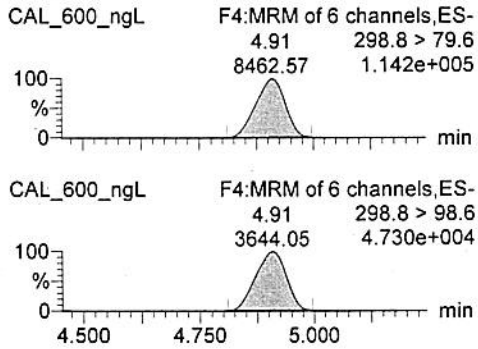
PFHxA



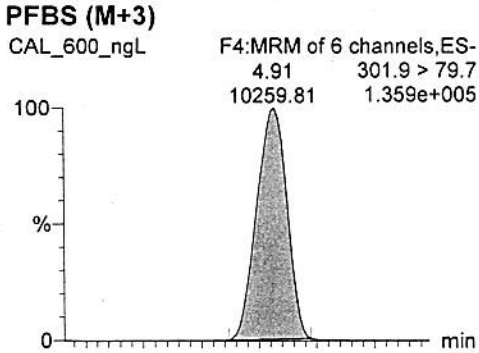
PFHxA (M+5)



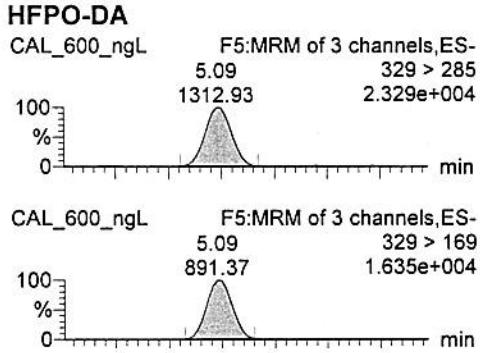
PFBS



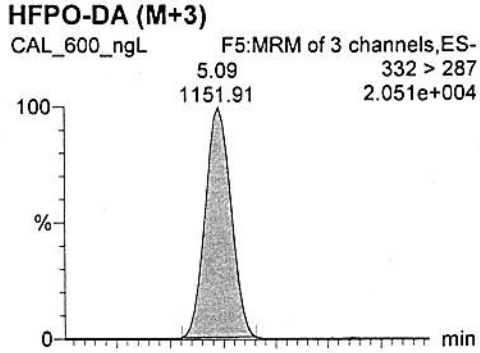
PFBS (M+3)



HFPO-DA



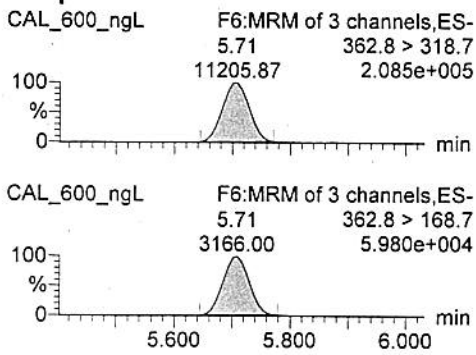
HFPO-DA (M+3)



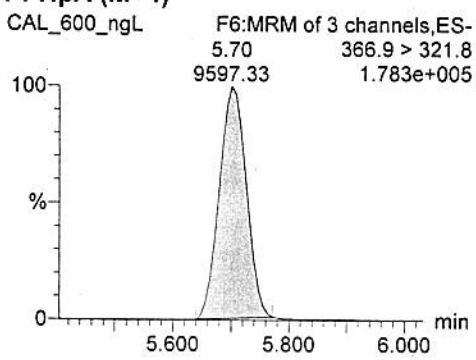
Quantify Sample Report **MassLynx 4.1 SCN919**
Instrument Name: S ITHTQ User: JG
Dataset: C:\MassLynx\PFAS_2016.PRO\20180425_ICAL.qld
Last Altered: Thursday, April 26, 2018 10:20:42 Eastern Daylight Time
Printed: Thursday, April 26, 2018 10:23:11 Eastern Daylight Time

Name: 20180425_8041723_600ngL, Date: 25-Apr-2018, Time: 10:54:38, Description: CAL_600_ngL, Instrument: ACQ-TQD#NotSet, User: , Vial: 2:9

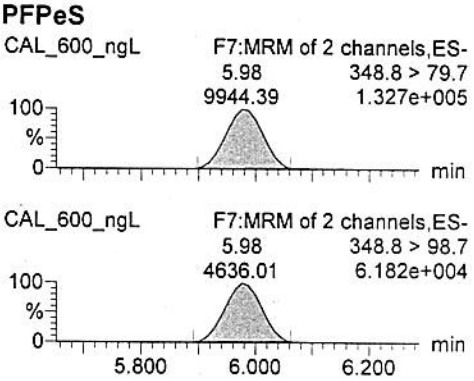
PFHpA



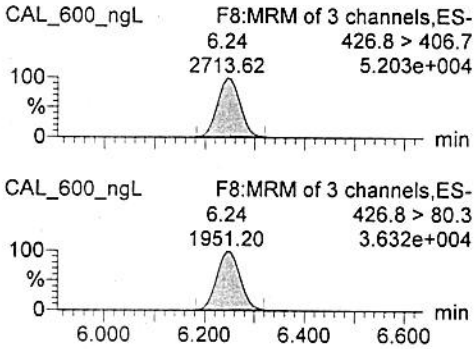
PFHpA (M+4)



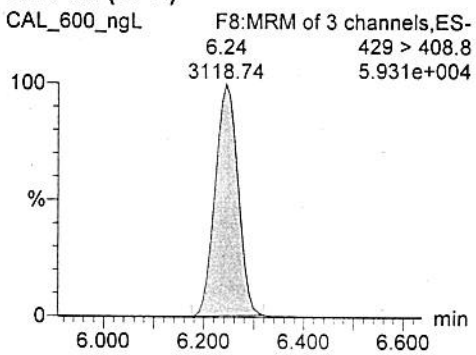
PFPeS



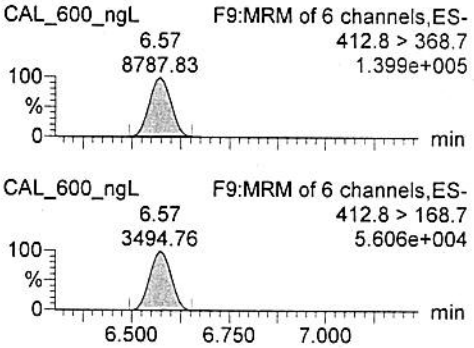
6:2 FTS



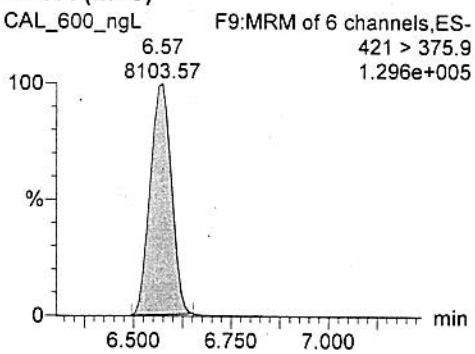
6:2 FTS (M+2)



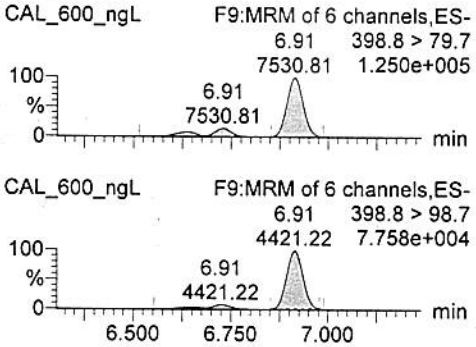
PFOA



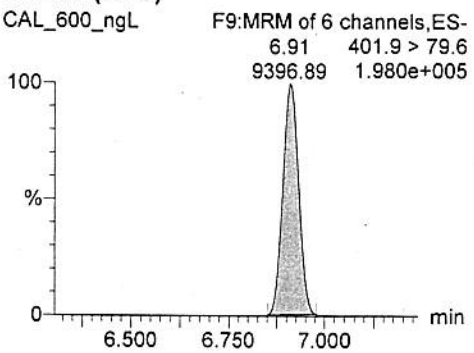
PFOA (M+8)



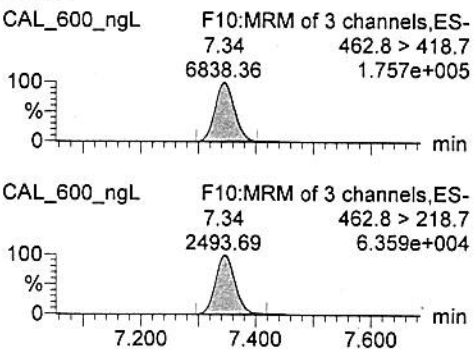
PFHxS



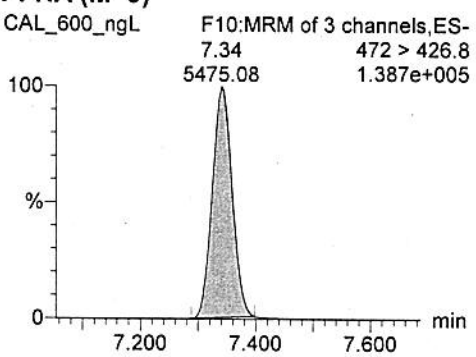
PFHxS (M+3)



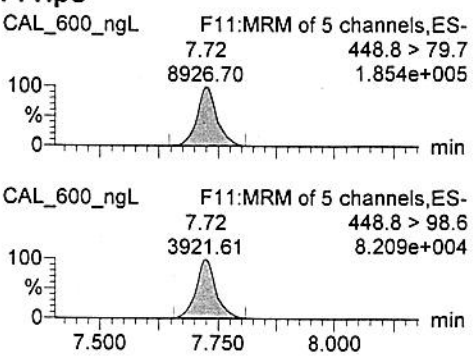
PFNA



PFNA (M+9)



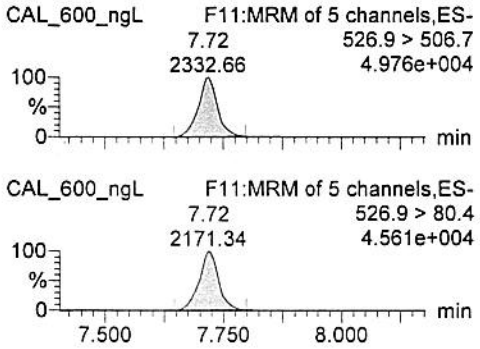
PFHpS



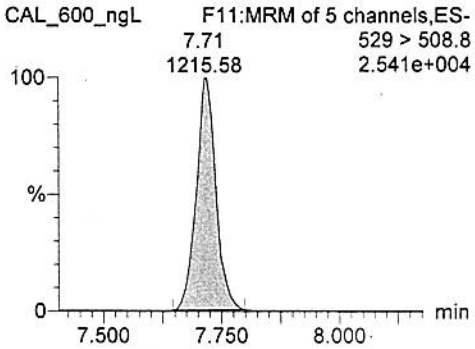
Quantify Sample Report **MassLynx 4.1 SCN919**
Instrument Name: S ITHTQ User: JG
Dataset: C:\MassLynx\PFAS_2016.PRO\20180425_ICAL.qld
Last Altered: Thursday, April 26, 2018 10:20:42 Eastern Daylight Time
Printed: Thursday, April 26, 2018 10:23:11 Eastern Daylight Time

Name: 20180425_8041723_600ngL, Date: 25-Apr-2018, Time: 10:54:38, Description: CAL_600_ngL, Instrument: ACQ-TQD#NotSet, User: , Vial: 2:9

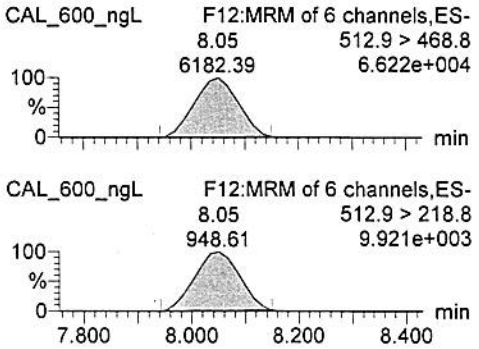
8:2 FTS



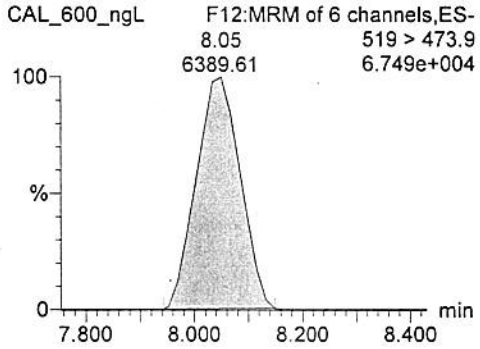
8:2 FTS (M+2)



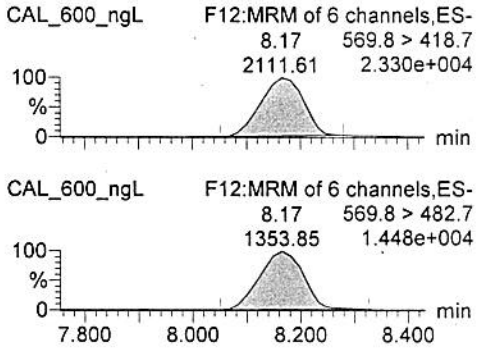
PFDA



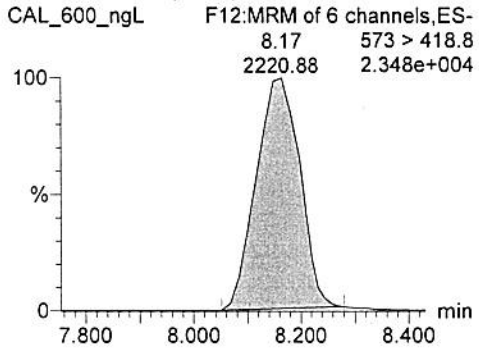
PFDA (M+6)



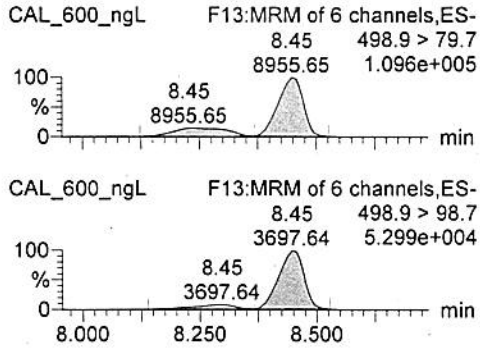
N-MeFOSAA



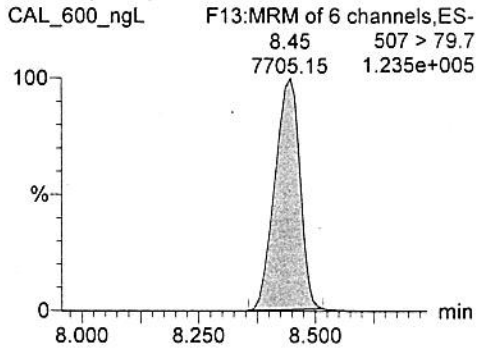
N-MeFOSAA (M+3)



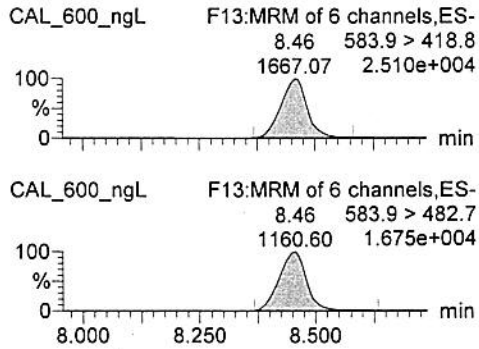
PFOS



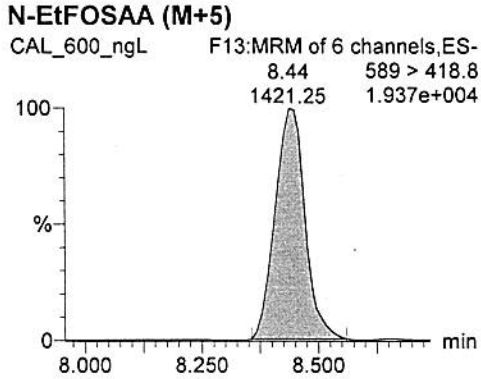
PFOS (M+8)



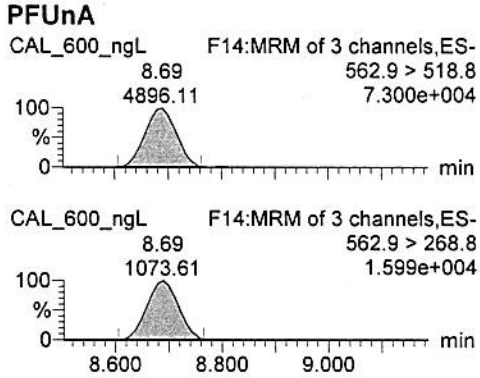
N-EtFOSAA



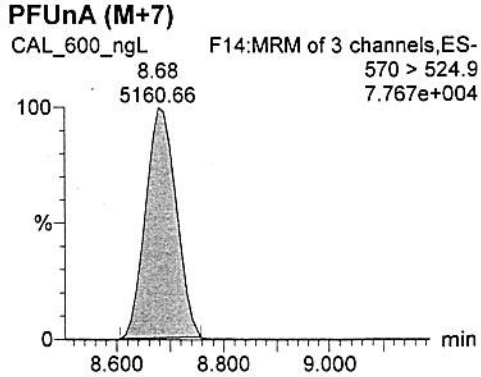
N-EtFOSAA (M+5)



PFUnA



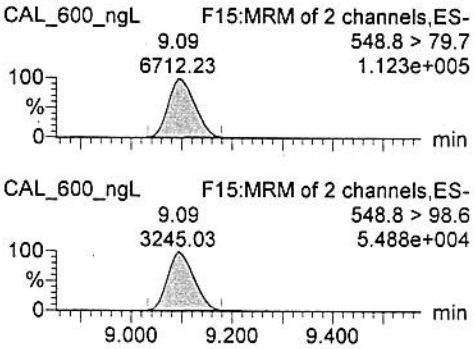
PFUnA (M+7)



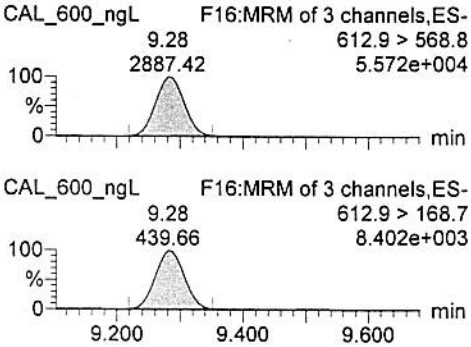
Quantify Sample Report **MassLynx 4.1 SCN919**
Instrument Name: S ITHTQ User: JG
Dataset: C:\MassLynx\PFAS_2016.PRO\20180425_ICAL.qld
Last Altered: Thursday, April 26, 2018 10:20:42 Eastern Daylight Time
Printed: Thursday, April 26, 2018 10:23:11 Eastern Daylight Time

Name: 20180425_8041723_600ngL, Date: 25-Apr-2018, Time: 10:54:38, Description: CAL_600_ngL, Instrument: ACQ-TQD#NotSet, User: , Vial: 2:9

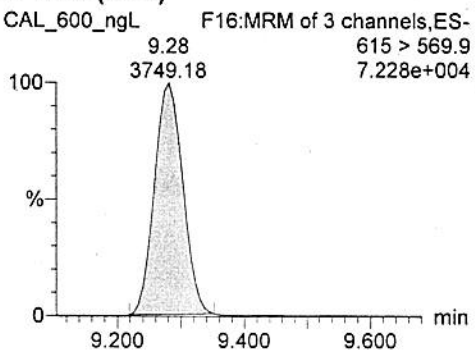
PFNS



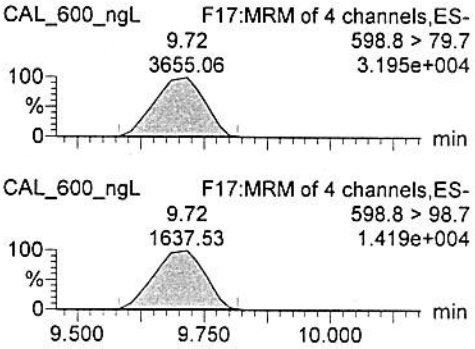
PFDoA



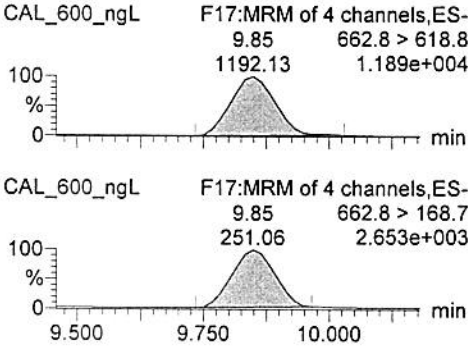
PFDoA (M+2)



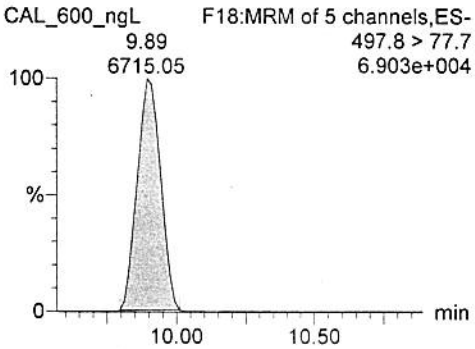
PFDS



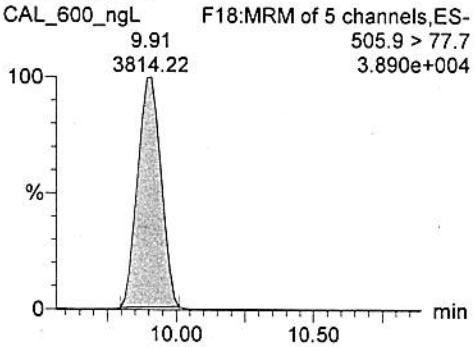
PFTrA



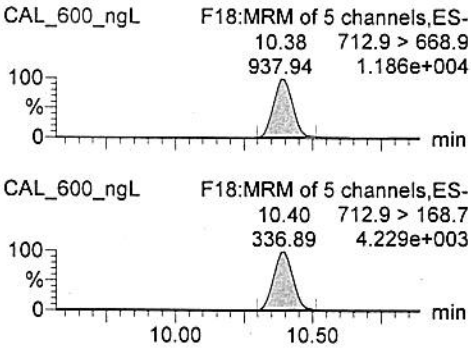
FOSA



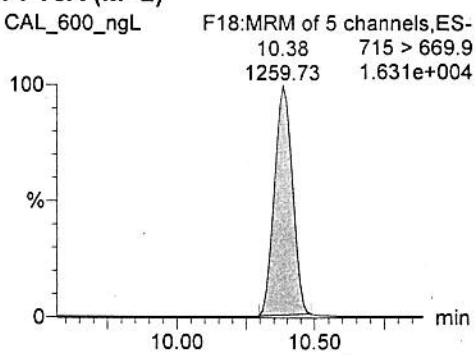
FOSA (M+8)



PFTeA



PFTeA (M+2)



Quantify Sample Report **MassLynx 4.1 SCN919**
Instrument Name: S ITHTQ User: JG
Dataset: C:\MassLynx\PFAS_2016.PRO\20180425_ICAL.qld
Last Altered: Thursday, April 26, 2018 10:20:42 Eastern Daylight Time
Printed: Thursday, April 26, 2018 10:23:11 Eastern Daylight Time

Name: 20180425_8041723_600ngL, Date: 25-Apr-2018, Time: 10:54:38, 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	10139.9	589.0	-1.8	10139.910	bb			
PFBA (M+4)	2.89	2.89	0.999	10722.1	594.7	-0.9	10722.106	bb			
PFPeA	3.73	3.73	0.998	8337.6	597.4	-0.4	8337.612	bb			
PFPeA (M+5)	3.73	3.73	0.999	8128.1	586.7	-2.2	8128.089	bb			
4:2 FTS	4.43	4.44	0.999	4289.5	577.5	2.9	4289.500	bb	1.561	1.724	NO
4:2 FTS (M+2)	4.43	4.43	0.999	4759.4	586.6	4.6	4759.390	bb			
PFHxA	4.73	4.73	0.995	7910.8	625.6	4.3	7910.845	bb	8.407	16.462	YES
PFHxA (M+5)	4.73	4.73	0.998	7819.3	568.4	-5.3	7819.252	bb			
PFBS	4.91	4.91	0.999	8462.6	541.2	1.9	8462.569	bb	2.364	2.322	NO
PFBS (M+3)	4.91	4.91	0.998	10259.8	548.8	-1.7	10259.810	bb			
HFPO-DA	5.10	5.09	0.990	1312.9	591.1	-1.5	1312.928	bb	1.629	1.473	NO
HFPO-DA (M+3)	5.09	5.09	0.989	1151.9	560.3	-6.6	1151.906	bb			
PFHpA	5.71	5.71	0.999	11205.9	599.8	-0.0	11205.874	bb	3.215	3.539	NO
PFHpA (M+4)	5.70	5.70	0.999	9597.3	600.8	0.1	9597.335	bb			
PFPeS	5.98	5.98	0.999	9944.4	566.0	0.4	9944.390	bb	2.133	2.145	NO
6:2 FTS	6.24	6.24	0.997	2713.6	579.7	1.7	2713.621	bb	1.557	1.391	NO
6:2 FTS (M+2)	6.24	6.24	0.998	3118.7	601.8	5.6	3118.745	bb			
PFOA	6.57	6.57	0.999	8787.8	585.9	-2.4	8787.834	bb	2.832	2.515	NO
PFOA (M+8)	6.57	6.57	0.999	8103.6	606.4	1.1	8103.575	bb			
PFHxS	6.91	6.91	0.998	7530.8	540.3	-1.3	7530.806	MM JG	1.790	1.703	NO
PFHxS (M+3)	6.91	6.91	0.999	9396.9	568.4	0.3	9396.886	bb 4/26/18			
PFNA	7.34	7.34	0.999	6838.4	622.5	3.7	6838.358	bb	2.539	2.742	NO
PFNA (M+9)	7.34	7.34	1.000	5475.1	596.6	-0.6	5475.077	bb			
PFHpS	7.72	7.72	0.999	8926.7	567.4	-0.5	8926.703	bb	2.172	2.276	NO
8:2 FTS	7.72	7.72	0.996	2332.7	550.4	3.6	2332.657	bb	1.112	1.074	NO
8:2 FTS (M+2)	7.71	7.71	0.997	1215.6	573.5	8.0	1215.575	bb			
PFDA	8.05	8.05	0.963	6182.4	669.0	11.5	6182.390	bb	4.897	6.517	NO
PFDA (M+6)	8.05	8.05	0.972	6389.6	772.3	28.7	6389.612	bbX			
N-MeFOSAA	8.16	8.17	0.992	2111.6	626.7	4.5	2111.615	bb	1.106	1.560	YES
N-MeFOSAA (M+3)	8.16	8.17	0.991	2220.9	635.7	6.0	2220.878	bb			
PFOS	8.45	8.45	0.999	8955.6	574.4	3.5	8955.650	MM JG	1.994	2.422	NO
PFOS (M+8)	8.45	8.45	0.998	7705.2	578.8	0.8	7705.154	bb 4/26/18			
N-EtFOSAA	8.46	8.46	0.981	1667.1	679.5	13.2	1667.071	bd	1.671	1.436	NO
N-EtFOSAA (M+5)	8.44	8.44	0.994	1421.2	645.5	7.6	1421.246	bb			
PFUnA	8.68	8.69	0.996	4896.1	628.9	4.8	4896.106	bb	4.209	4.560	NO
PFUnA (M+7)	8.68	8.68	0.999	5160.7	592.9	-1.2	5160.663	bb			
PFNS	9.09	9.09	0.998	6712.2	533.5	0.5	6712.225	bb	1.980	2.069	NO
PFDoA	9.28	9.28	0.992	2887.4	596.1	-0.6	2887.421	bb	5.355	6.567	NO
PFDoA (M+2)	9.28	9.28	0.998	3749.2	576.1	-4.0	3749.180	bb			
PFDS	9.69	9.72	0.836	3655.1	981.8	69.6	3655.064	bb	1.504	2.232	YES
PFTrA	9.85	9.85	0.994	1192.1	558.1	-7.0	1192.134	bb	8.187	4.748	YES
FOSA	9.90	9.89	0.997	6715.1	618.4	3.1	6715.052	bb			
FOSA (M+8)	9.90	9.91	0.998	3814.2	577.2	-3.8	3814.219	bb			
PFTeA	10.39	10.38	0.998	937.9	621.1	3.5	937.936	bb	3.262	2.784	NO
PFTeA (M+2)	10.39	10.38	0.995	1259.7	594.5	-0.9	1259.732	bb			

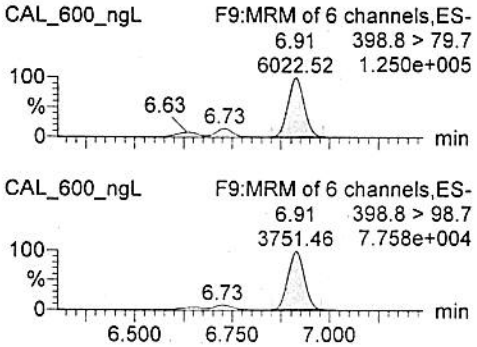
4/26/18

Quantify Sample Report **MassLynx 4.1 SCN919**
Instrument Name: S ITHTQ User: JG
Dataset: Untitled
Last Altered: Thursday, April 26, 2018 10:32:18 Eastern Daylight Time
Printed: Thursday, April 26, 2018 10:32:44 Eastern Daylight Time

Method: C:\MassLynx\PFAS_2016.PRO\MethDB\PFAS_20180425.mdb 25 Apr 2018 10:51:51
Calibration: 26 Apr 2018 10:32:18

Name: 20180425_8041723_600ngL, Date: 25-Apr-2018, Time: 10:54:38, Description: CAL_600_ngL, Instrument: ACQ-TQD#NotSet, User: , Vial: 2:9

PFHxS



original
JG 4/26/18
N 4/26/18

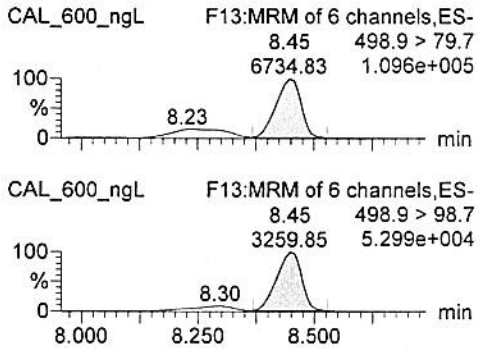
Name	Pred RT	Act RT	COD	Area	ng/L	%Dev	Response	Flags	PredRatio	ActRatio	RatioFail?
PFHxS	6.91	6.91	0.998	6022.5	538.1	-1.7	6022.521	bb	1.790	1.605	NO

Quantify Sample Report **MassLynx 4.1 SCN919**
Instrument Name: S ITHTQ User: JG
Dataset: Untitled
Last Altered: Thursday, April 26, 2018 10:32:18 Eastern Daylight Time
Printed: Thursday, April 26, 2018 10:33:23 Eastern Daylight Time

Method: C:\MassLynx\PFAS_2016.PRO\MethDB\PFAS_20180425.mdb 25 Apr 2018 10:51:51
Calibration: 26 Apr 2018 10:32:18

Name: 20180425_8041723_600ngL, Date: 25-Apr-2018, Time: 10:54:38, Description: CAL_600_ngL, Instrument: ACQ-TQD#NotSet, User: , Vial: 2:9

PFOS



original
JG 4/26/18
N 4/26/18

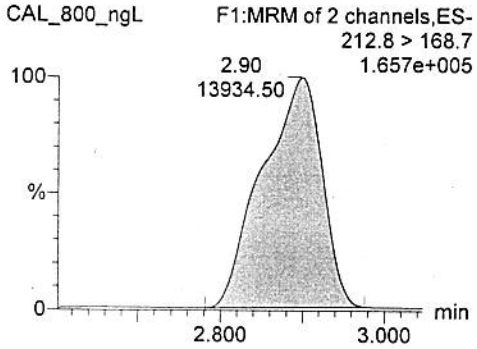
Name	Pred RT	Act RT	COD	Area	ng/L	%Dev	Response	Flags	PredRatio	ActRatio	RatioFail?
PFOS	8.45	8.45	0.998	6734.8	583.8	5.2	6734.827	db	1.994	2.066	NO

Quantify Sample Report **MassLynx 4.1 SCN919**
Instrument Name: S ITHTQ User: JG
Dataset: C:\MassLynx\PFAS_2016.PRO\20180425_ICAL.qld
Last Altered: Thursday, April 26, 2018 10:20:42 Eastern Daylight Time
Printed: Thursday, April 26, 2018 10:23:11 Eastern Daylight Time

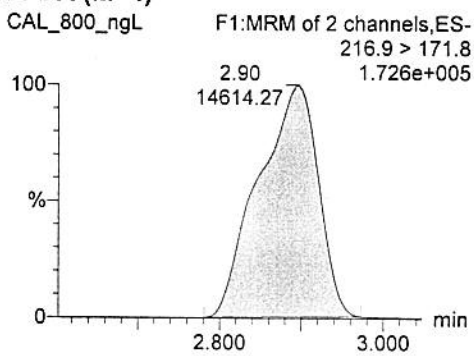
Method: C:\MassLynx\PFAS_2016.PRO\MethDB\PFAS_20180425.mdb 25 Apr 2018 10:51:51
Calibration: C:\MassLynx\PFAS_2016.PRO\CurveDB\PFC_20180425.cdb 26 Apr 2018 10:20:42

Name: 20180425_8041722_800ngL, Date: 25-Apr-2018, Time: 11:17:04, Description: CAL_800_ngL, Instrument: ACQ-TQD#NotSet, User: , Vial: 2:10

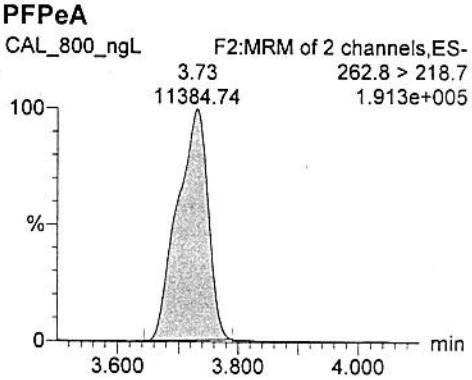
PFBA



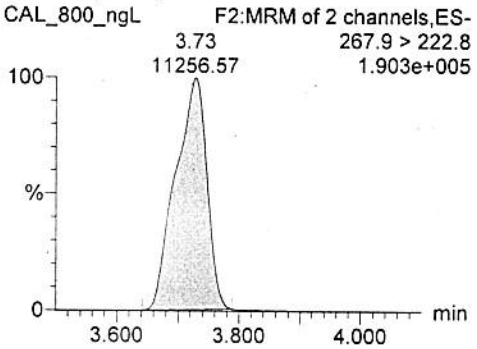
PFBA (M+4)



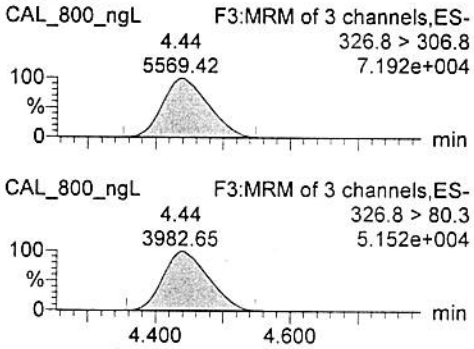
PFPeA



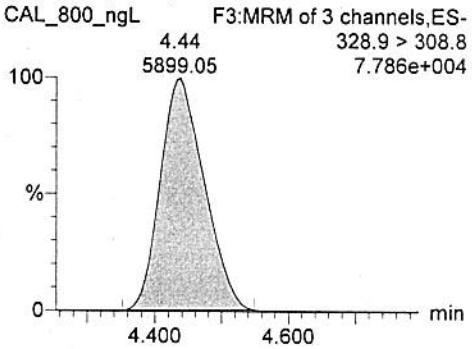
PFPeA (M+5)



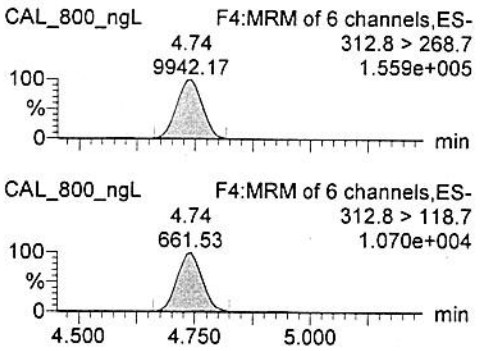
4:2 FTS



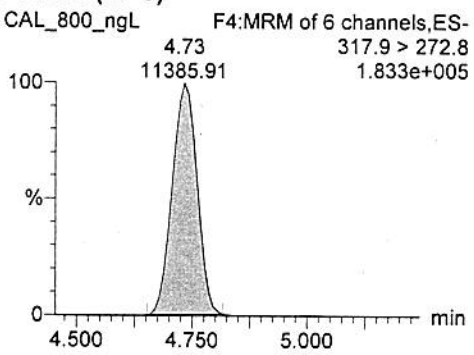
4:2 FTS (M+2)



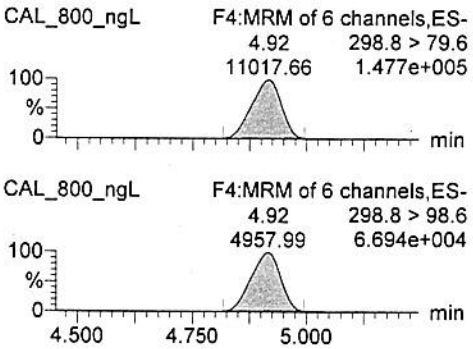
PFHxA



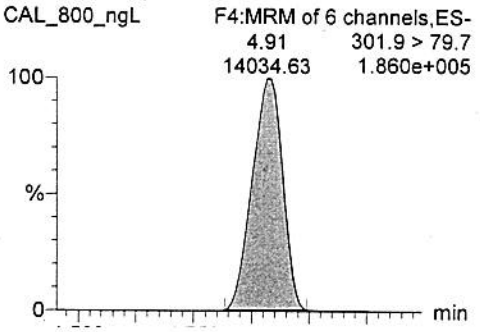
PFHxA (M+5)



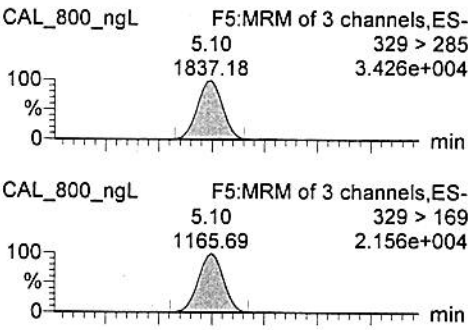
PFBS



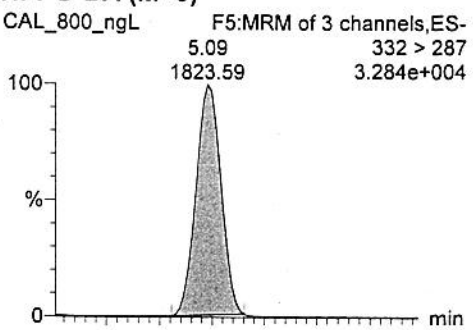
PFBS (M+3)



HFPO-DA



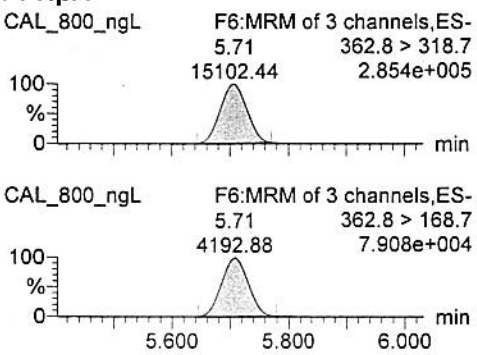
HFPO-DA (M+3)



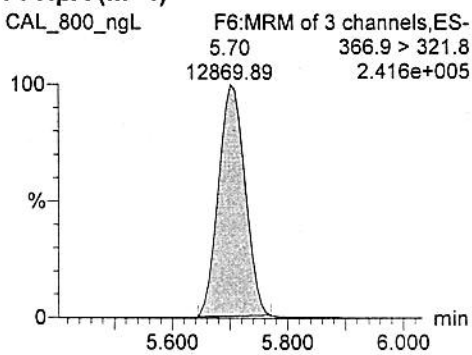
Quantify Sample Report **MassLynx 4.1 SCN919**
Instrument Name: S ITHTQ User: JG
Dataset: C:\MassLynx\PFAS_2016.PRO\20180425_ICAL.qld
Last Altered: Thursday, April 26, 2018 10:20:42 Eastern Daylight Time
Printed: Thursday, April 26, 2018 10:23:11 Eastern Daylight Time

Name: 20180425_8041722_800ngL, Date: 25-Apr-2018, Time: 11:17:04, Description: CAL_800_ngL, Instrument: ACQ-TQD#NotSet, User: , Vial: 2:10

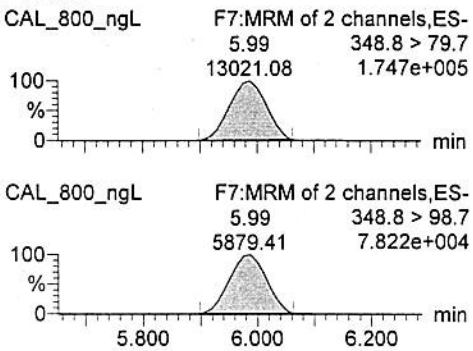
PFHpA



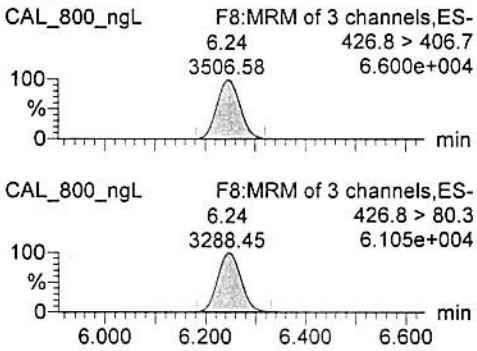
PFHpA (M+4)



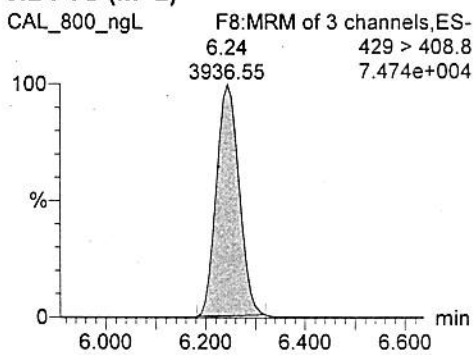
PFPeS



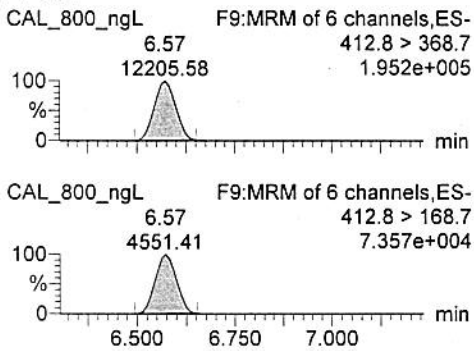
6:2 FTS



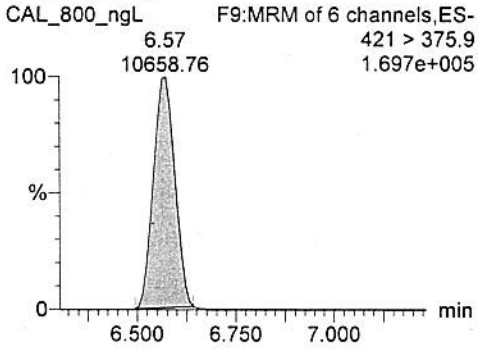
6:2 FTS (M+2)



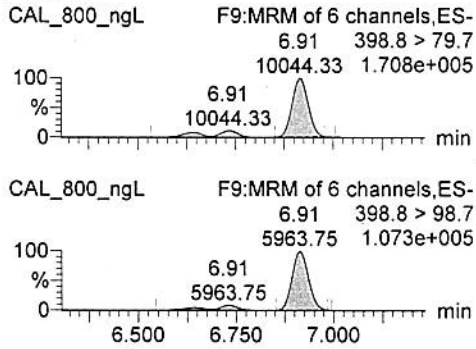
PFOA



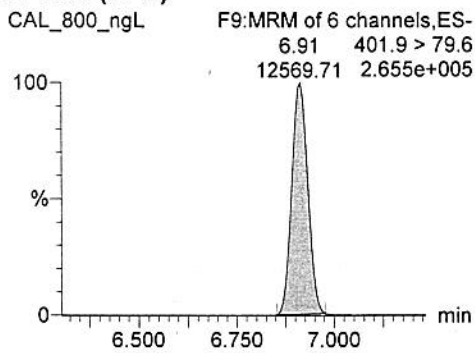
PFOA (M+8)



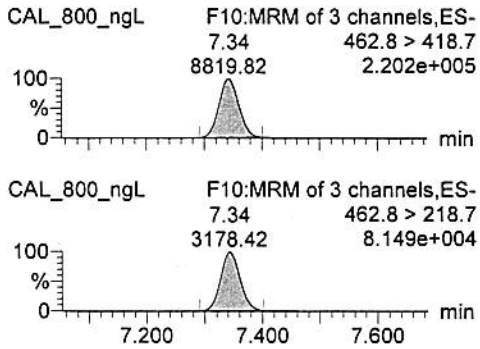
PFHxS



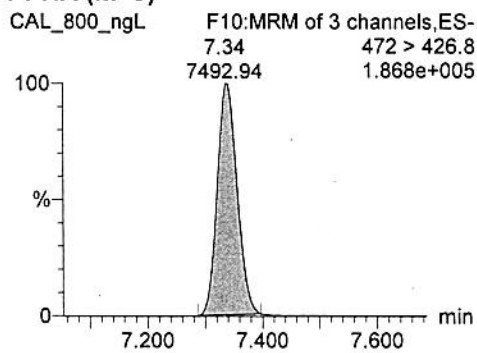
PFHxS (M+3)



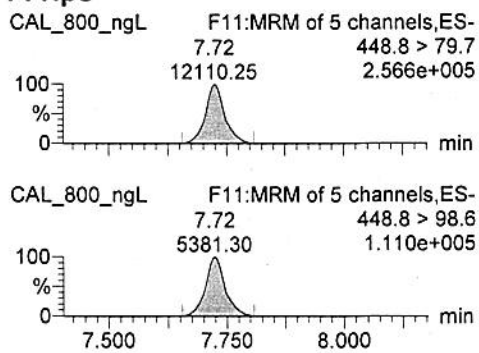
PFNA



PFNA (M+9)



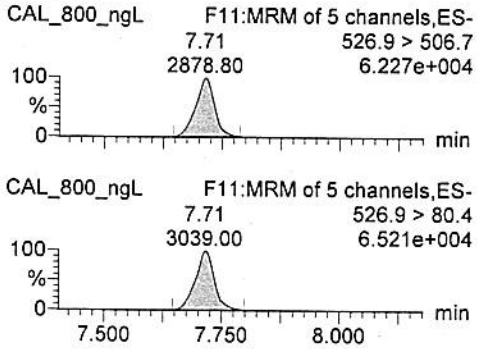
PFHpS



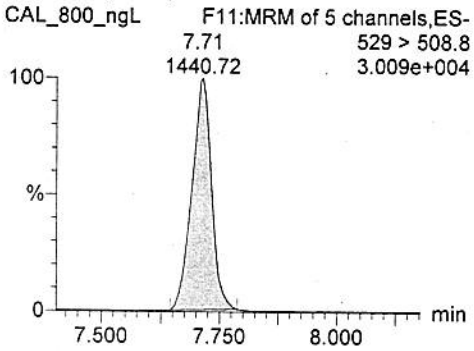
Quantify Sample Report **MassLynx 4.1 SCN919**
Instrument Name: S ITHTQ User: JG
Dataset: C:\MassLynx\PFAS_2016.PRO\20180425_ICAL.qld
Last Altered: Thursday, April 26, 2018 10:20:42 Eastern Daylight Time
Printed: Thursday, April 26, 2018 10:23:11 Eastern Daylight Time

Name: 20180425_8041722_800ngL, Date: 25-Apr-2018, Time: 11:17:04, Description: CAL_800_ngL, Instrument: ACQ-TQD#NotSet, User: , Vial: 2:10

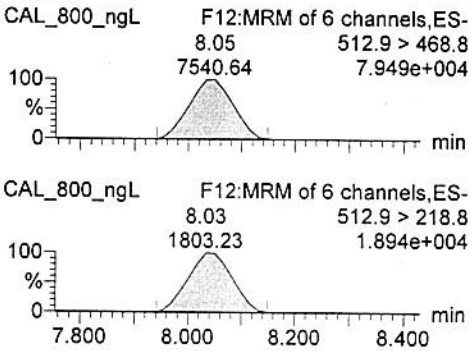
8:2 FTS



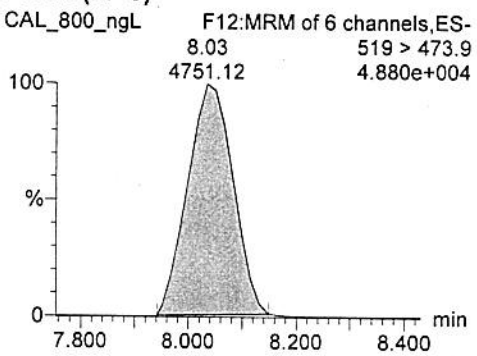
8:2 FTS (M+2)



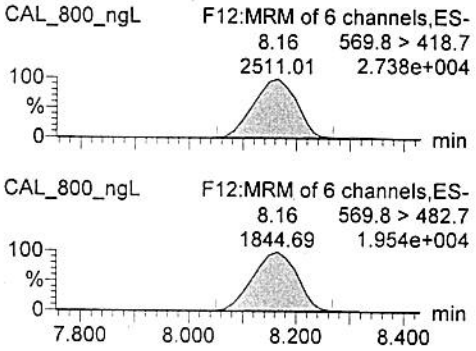
PFDA



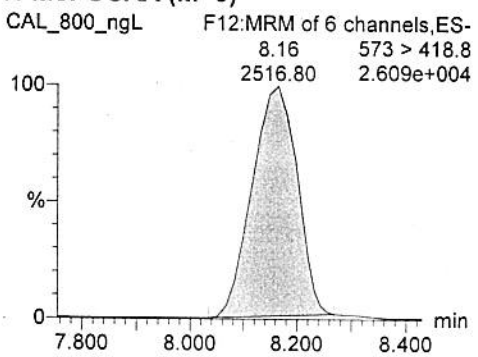
PFDA (M+6)



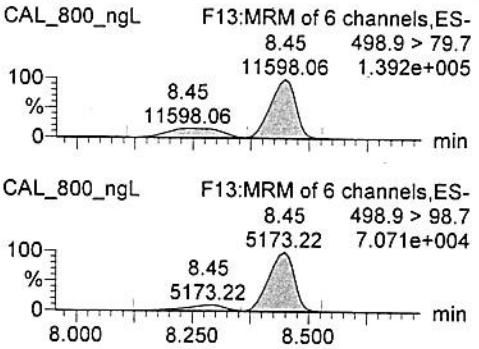
N-MeFOSAA



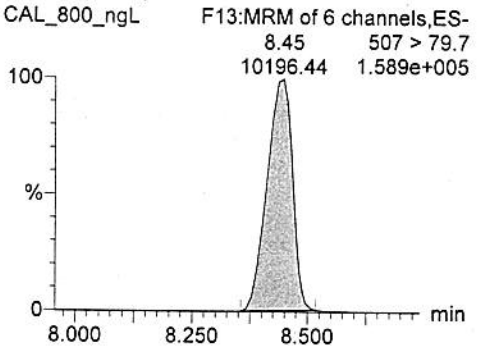
N-MeFOSAA (M+3)



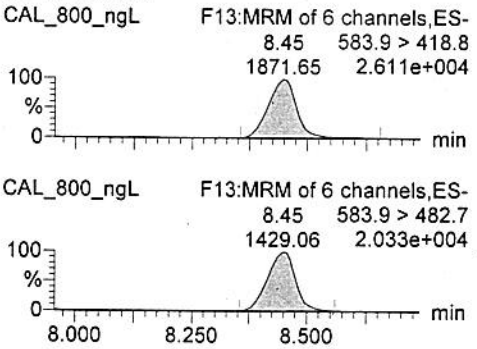
PFOS



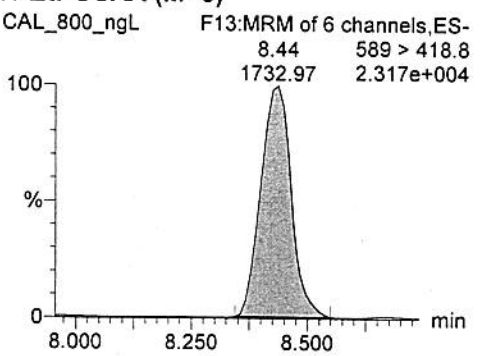
PFOS (M+8)



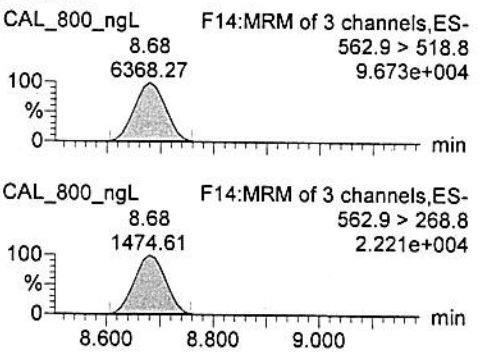
N-EtFOSAA



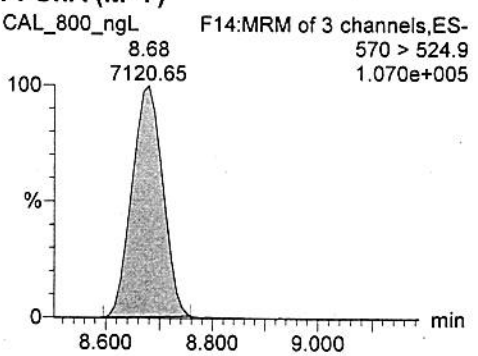
N-EtFOSAA (M+5)



PFUnA



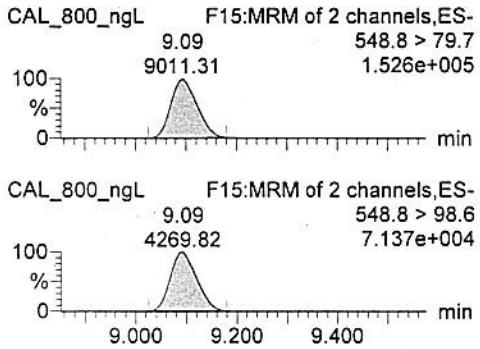
PFUnA (M+7)



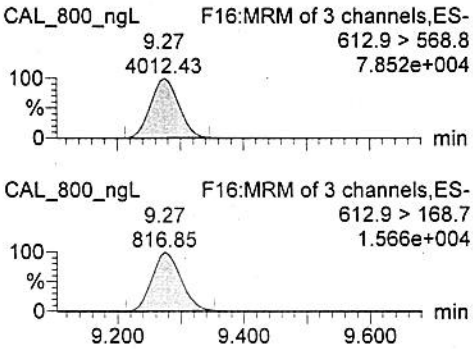
Quantify Sample Report **MassLynx 4.1 SCN919**
Instrument Name: S ITHTQ User: JG
Dataset: C:\MassLynx\PFAS_2016.PRO\20180425_ICAL.qld
Last Altered: Thursday, April 26, 2018 10:20:42 Eastern Daylight Time
Printed: Thursday, April 26, 2018 10:23:11 Eastern Daylight Time

Name: 20180425_8041722_800ngL, Date: 25-Apr-2018, Time: 11:17:04, Description: CAL_800_ngL, Instrument: ACQ-TQD#NotSet, User: , Vial: 2:10

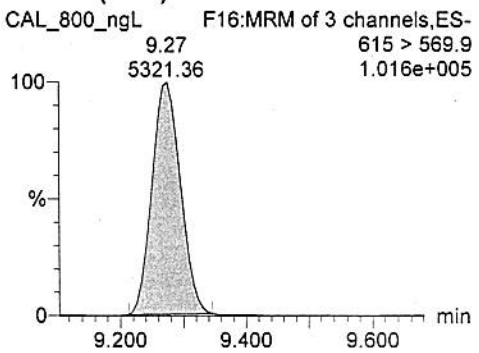
PFNS



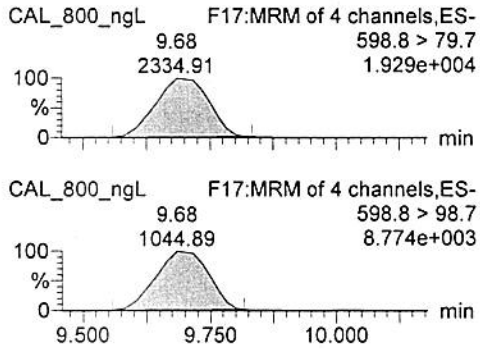
PFDoA



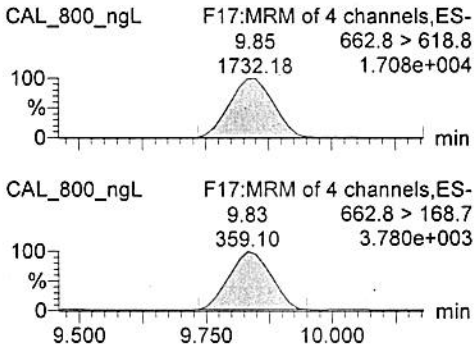
PFDoA (M+2)



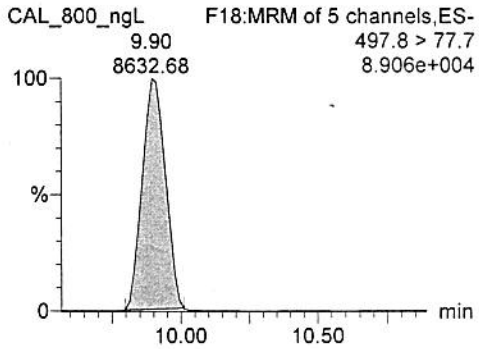
PFDS



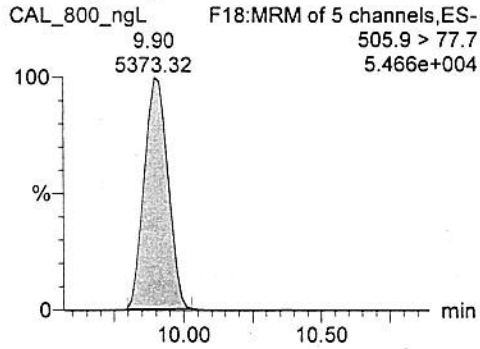
PFTrA



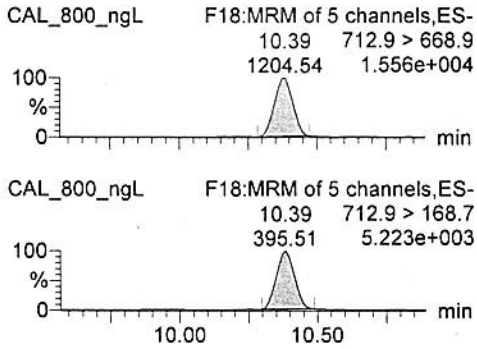
FOSA



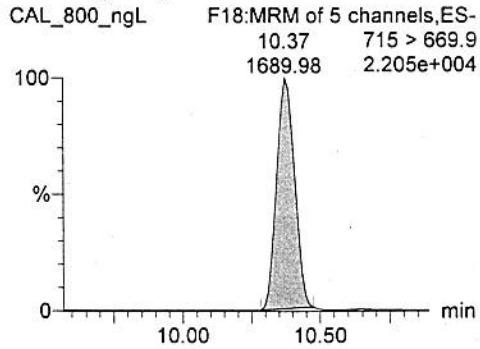
FOSA (M+8)



PFTeA



PFTeA (M+2)



Quantify Sample Report **MassLynx 4.1 SCN919**
Instrument Name: S ITHTQ User: JG
Dataset: C:\MassLynx\PFAS_2016.PRO\20180425_ICAL.qld
Last Altered: Thursday, April 26, 2018 10:20:42 Eastern Daylight Time
Printed: Thursday, April 26, 2018 10:23:11 Eastern Daylight Time

Name: 20180425_8041722_800ngL, Date: 25-Apr-2018, Time: 11:17:04, 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	13934.5	808.9	1.1	13934.501	bb			
PFBA (M+4)	2.89	2.90	0.999	14614.3	809.6	1.2	14614.273	bb			
PFPeA	3.73	3.73	0.998	11384.7	815.0	1.9	11384.736	bb			
PFPeA (M+5)	3.73	3.73	0.999	11256.6	810.1	1.3	11256.572	bb			
4:2 FTS	4.43	4.44	0.999	5569.4	748.4	0.1	5569.417	bb	1.561	1.398	NO
4:2 FTS (M+2)	4.43	4.44	0.999	5899.1	726.5	-2.9	5899.052	bb			
PFHxA	4.73	4.74	0.995	9942.2	786.3	-1.7	9942.172	bb	8.407	15.029	YES
PFHxA (M+5)	4.73	4.73	0.998	11385.9	823.7	3.0	11385.907	bb			
PFBS	4.91	4.92	0.999	11017.7	703.6	-0.6	11017.661	bb	2.364	2.222	NO
PFBS (M+3)	4.91	4.91	0.998	14034.6	748.4	0.6	14034.627	bb			
HFPO-DA	5.10	5.10	0.990	1837.2	829.0	3.6	1837.179	bb	1.629	1.576	NO
HFPO-DA (M+3)	5.09	5.09	0.989	1823.6	877.5	9.7	1823.586	bb			
PFHpA	5.71	5.71	0.999	15102.4	807.6	1.0	15102.444	bb	3.215	3.602	NO
PFHpA (M+4)	5.70	5.70	0.999	12869.9	805.6	0.7	12869.894	bb			
PFPeS	5.98	5.99	0.999	13021.1	740.5	-1.5	13021.075	bb	2.133	2.215	NO
6:2 FTS	6.24	6.24	0.997	3506.6	750.6	-1.2	3506.583	bb	1.557	1.066	NO
6:2 FTS (M+2)	6.24	6.24	0.998	3936.5	758.8	-0.2	3936.545	bb			
PFOA	6.57	6.57	0.999	12205.6	813.8	1.7	12205.580	bb	2.832	2.682	NO
PFOA (M+8)	6.57	6.57	0.999	10658.8	795.8	-0.5	10658.763	bb			
PFHxS	6.91	6.91	0.998	10044.3	720.5	-1.2	10044.327	MM JG	1.790	1.684	NO
PFHxS (M+3)	6.91	6.91	0.999	12569.7	759.4	0.4	12569.710	bb 4/26/18			
PFNA	7.34	7.34	0.999	8819.8	802.4	0.3	8819.824	bb	2.539	2.775	NO
PFNA (M+9)	7.34	7.34	1.000	7492.9	815.5	1.9	7492.935	bb			
PFHpS	7.72	7.72	0.999	12110.3	769.5	1.3	12110.250	bb	2.172	2.250	NO
8:2 FTS	7.72	7.71	0.996	2878.8	678.7	-4.1	2878.797	bb	1.112	0.947	NO
8:2 FTS (M+2)	7.71	7.71	0.997	1440.7	678.1	-4.2	1440.718	bb			
PFDA	8.05	8.05	0.963	7540.6	816.1	2.0	7540.639	bb	4.897	4.182	NO
PFDA (M+6)	8.05	8.03	0.972	4751.1	573.2	-28.4	4751.117	bbX			
N-MeFOSAA	8.16	8.16	0.992	2511.0	739.9	-7.5	2511.005	bb	1.106	1.361	NO
N-MeFOSAA (M+3)	8.16	8.16	0.991	2516.8	719.3	-10.1	2516.799	bb			
PFOS	8.45	8.45	0.999	11598.1	743.2	0.4	11598.059	MM JG	1.994	2.242	NO
PFOS (M+8)	8.45	8.45	0.998	10196.4	765.0	-0.1	10196.436	bb 4/26/18			
N-EtFOSAA	8.46	8.45	0.981	1871.7	761.8	-4.8	1871.651	bb	1.671	1.310	NO
N-EtFOSAA (M+5)	8.44	8.44	0.994	1733.0	785.6	-1.8	1732.970	bb			
PFUnA	8.68	8.68	0.996	6368.3	817.3	2.2	6368.270	bb	4.209	4.319	NO
PFUnA (M+7)	8.68	8.68	0.999	7120.7	816.7	2.1	7120.653	bb			
PFNS	9.09	9.09	0.998	9011.3	715.7	1.1	9011.307	bb	1.980	2.111	NO
PFDoA	9.28	9.27	0.992	4012.4	827.8	3.5	4012.431	bb	5.355	4.912	NO
PFDoA (M+2)	9.28	9.27	0.998	5321.4	813.6	1.7	5321.361	bb			
PFDS	9.69	9.68	0.836	2334.9	618.0	-19.9	2334.909	bb	1.504	2.235	YES
PFTrA	9.85	9.85	0.994	1732.2	825.6	3.2	1732.175	bb	8.187	4.824	YES
FOSA	9.90	9.90	0.997	8632.7	793.6	-0.8	8632.681	bb			
FOSA (M+8)	9.90	9.90	0.998	5373.3	810.7	1.3	5373.318	bb			
PFTeA	10.39	10.39	0.998	1204.5	789.0	-1.4	1204.539	bb	3.262	3.046	NO
PFTeA (M+2)	10.39	10.37	0.995	1690.0	788.2	-1.5	1689.985	bb			

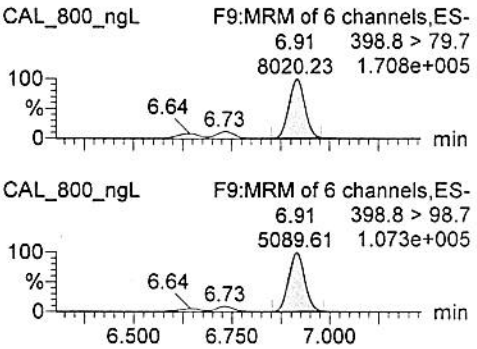
JG 4/26/18

Quantify Sample Report **MassLynx 4.1 SCN919**
Instrument Name: S ITHTQ User: JG
Dataset: Untitled
Last Altered: Thursday, April 26, 2018 10:32:18 Eastern Daylight Time
Printed: Thursday, April 26, 2018 10:32:47 Eastern Daylight Time

Method: C:\MassLynx\PFAS_2016.PRO\MethDB\PFAS_20180425.mdb 25 Apr 2018 10:51:51
Calibration: 26 Apr 2018 10:32:18

Name: 20180425_8041722_800ngL, Date: 25-Apr-2018, Time: 11:17:04, Description: CAL_800_ngL, Instrument: ACQ-TQD#NotSet, User: , Vial: 2:10

PFHxS



original
JG 4/26/18
JV 4/26/18

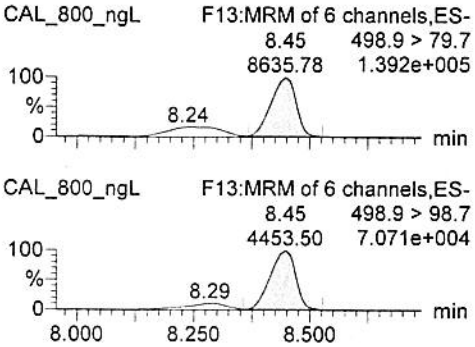
Name	Pred RT	Act RT	COD	Area	ng/L	%Dev	Response	Flags	PredRatio	ActRatio	RatioFail?
PFHxS	6.91	6.91	0.998	8020.2	716.0	-1.9	8020.227	bb	1.790	1.576	NO

Quantify Sample Report **MassLynx 4.1 SCN919**
Instrument Name: S ITHTQ User: JG
Dataset: Untitled
Last Altered: Thursday, April 26, 2018 10:32:18 Eastern Daylight Time
Printed: Thursday, April 26, 2018 10:33:26 Eastern Daylight Time

Method: C:\MassLynx\PFAS_2016.PRO\MethDB\PFAS_20180425.mdb 25 Apr 2018 10:51:51
Calibration: 26 Apr 2018 10:32:18

Name: 20180425_8041722_800ngL, Date: 25-Apr-2018, Time: 11:17:04, Description: CAL_800_ngL, Instrument: ACQ-TQD#NotSet, User: , Vial: 2:10

PFOS



original
JG 4/26/18
R 4/26/18

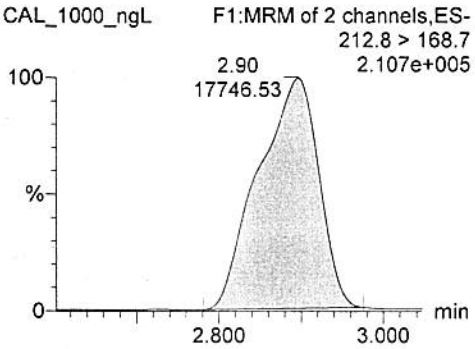
Name	Pred RT	Act RT	COD	Area	ng/L	%Dev	Response	Flags	PredRatio	ActRatio	RatioFail?
PFOS	8.45	8.45	0.998	8635.8	747.8	1.1	8635.780	db	1.994	1.939	NO

Quantify Sample Report **MassLynx 4.1 SCN919**
Instrument Name: S ITHTQ User: JG
Dataset: C:\MassLynx\PFAS_2016.PRO\20180425_ICAL.qld
Last Altered: Thursday, April 26, 2018 10:20:42 Eastern Daylight Time
Printed: Thursday, April 26, 2018 10:23:12 Eastern Daylight Time

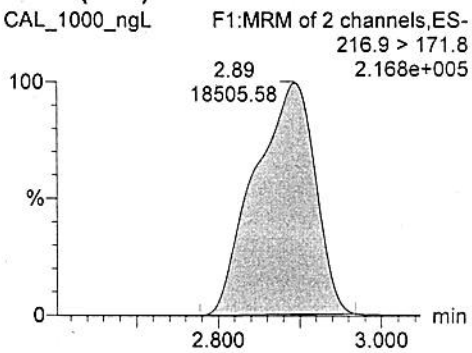
Method: C:\MassLynx\PFAS_2016.PRO\MethDB\PFAS_20180425.mdb 25 Apr 2018 10:51:51
Calibration: C:\MassLynx\PFAS_2016.PRO\CurveDB\PFC_20180425.cdb 26 Apr 2018 10:20:42

Name: 20180425_8041721_1000ngL, Date: 25-Apr-2018, Time: 11:39:30, Description: CAL_1000_ngL, Instrument: ACQ-TQD#NotSet, User: , Vial: 2:11

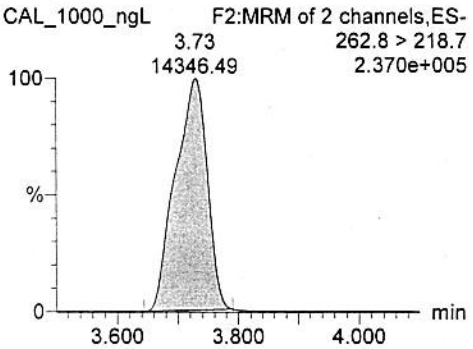
PFBA



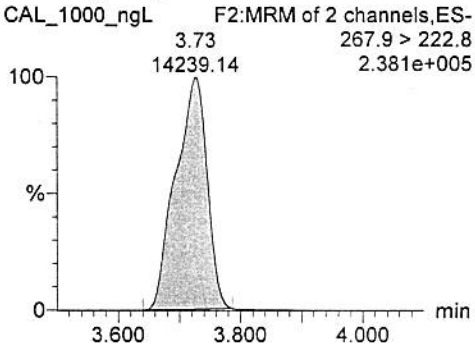
PFBA (M+4)



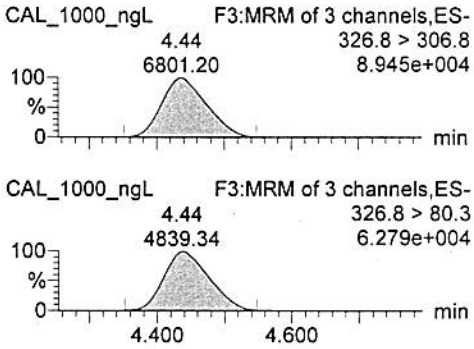
PFPeA



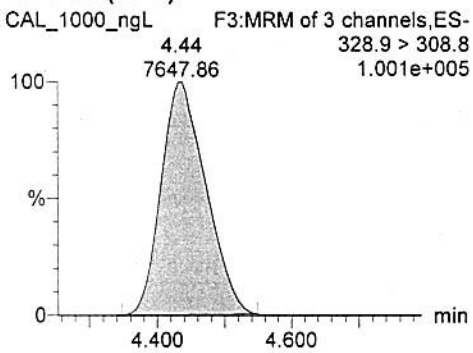
PFPeA (M+5)



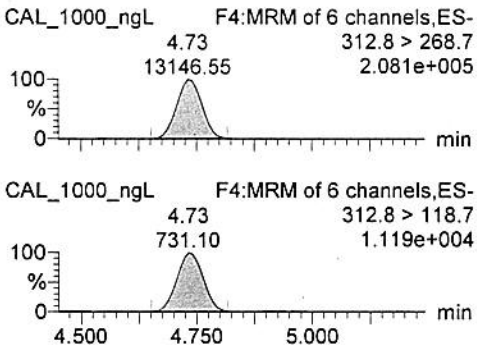
4:2 FTS



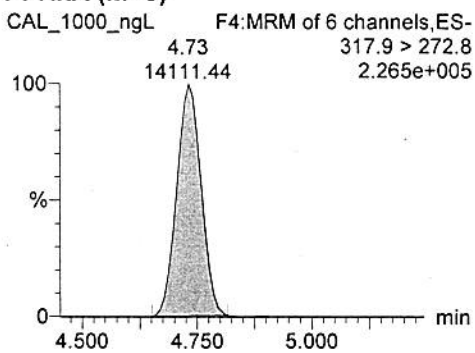
4:2 FTS (M+2)



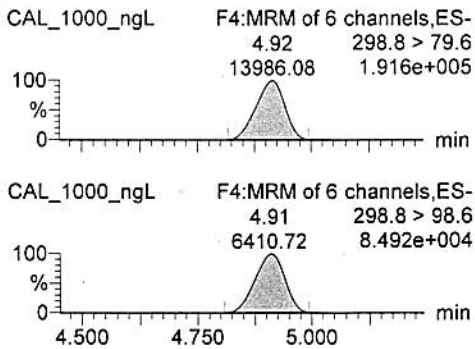
PFHxA



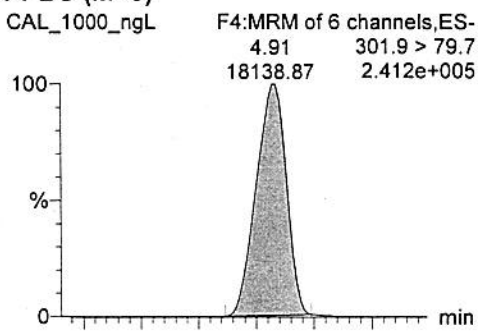
PFHxA (M+5)



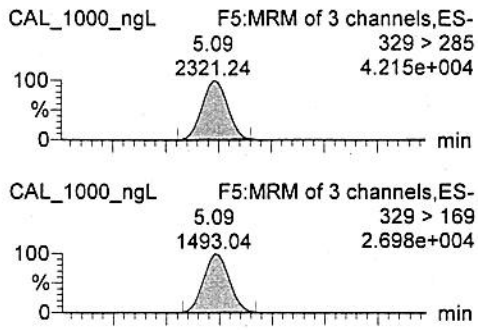
PFBS



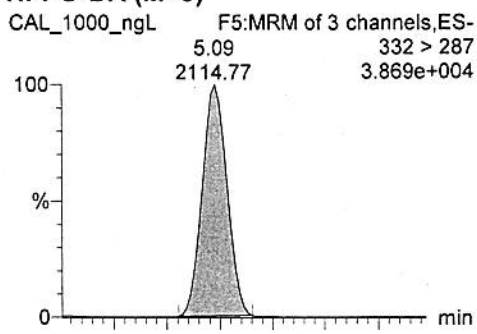
PFBS (M+3)



HFPO-DA



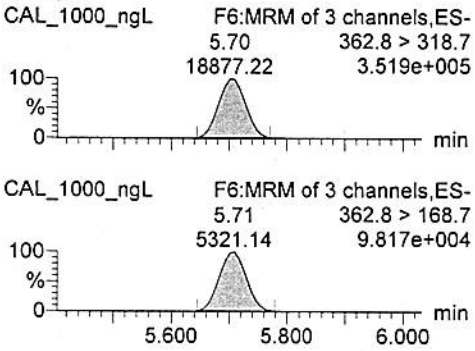
HFPO-DA (M+3)



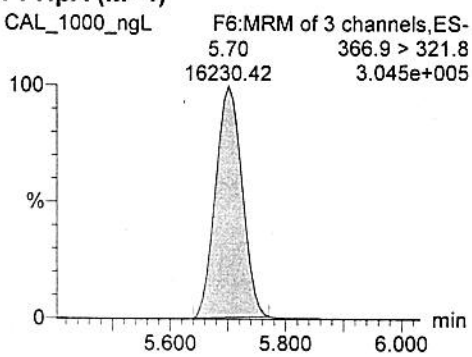
Quantify Sample Report **MassLynx 4.1 SCN919**
Instrument Name: S ITHTQ User: JG
Dataset: C:\MassLynx\PFAS_2016.PRO\20180425_ICAL.qld
Last Altered: Thursday, April 26, 2018 10:20:42 Eastern Daylight Time
Printed: Thursday, April 26, 2018 10:23:12 Eastern Daylight Time

Name: 20180425_8041721_1000ngL, Date: 25-Apr-2018, Time: 11:39:30, Description: CAL_1000_ngL, Instrument: ACQ-TQD#NotSet, User: , Vial: 2:11

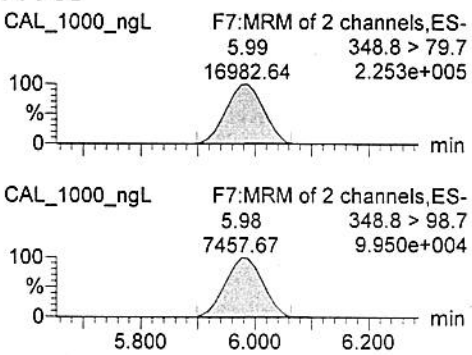
PFHpA



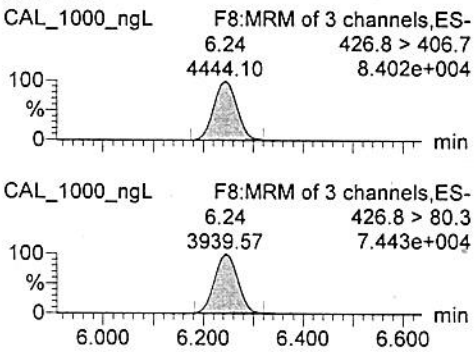
PFHpA (M+4)



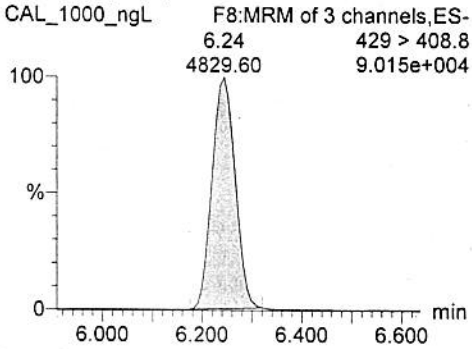
PFPeS



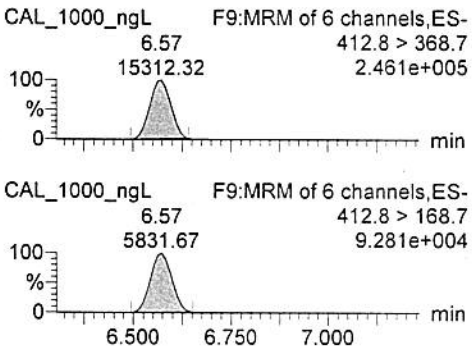
6:2 FTS



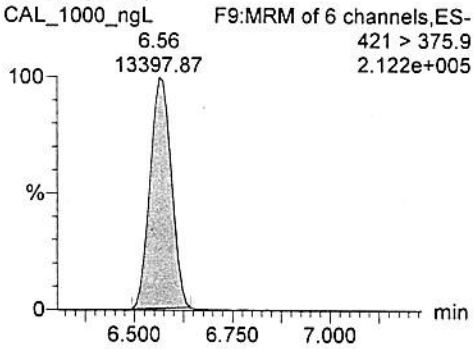
6:2 FTS (M+2)



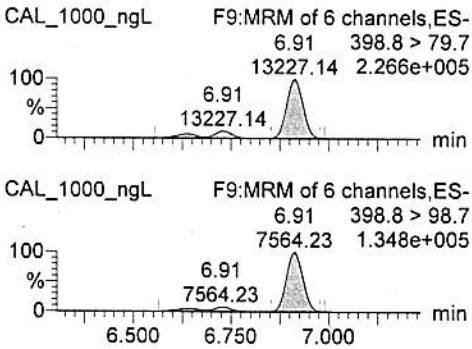
PFOA



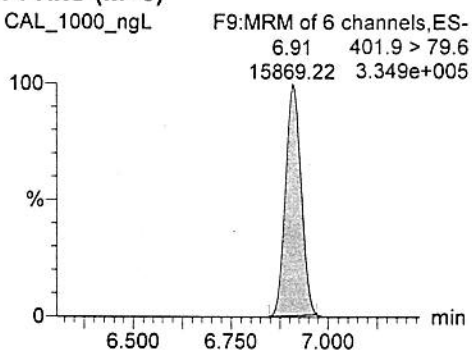
PFOA (M+8)



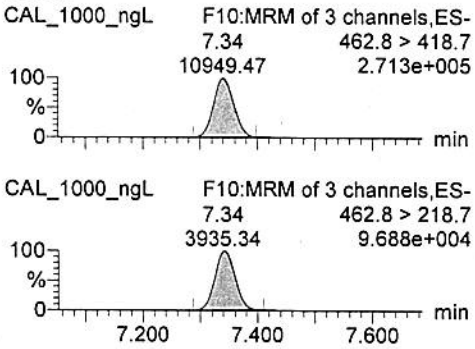
PFHxS



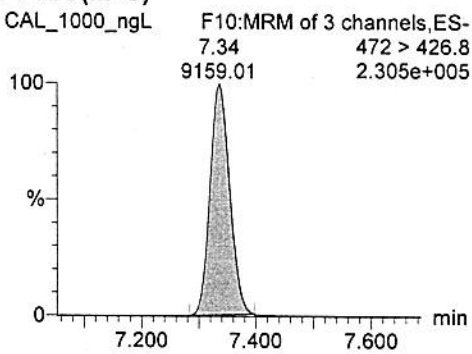
PFHxS (M+3)



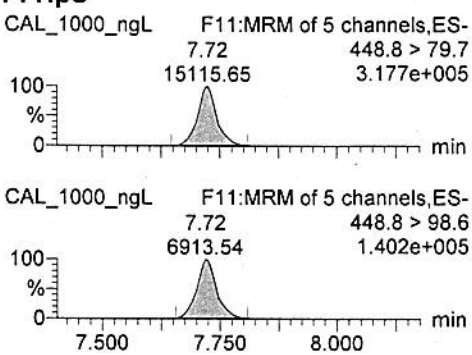
PFNA



PFNA (M+9)



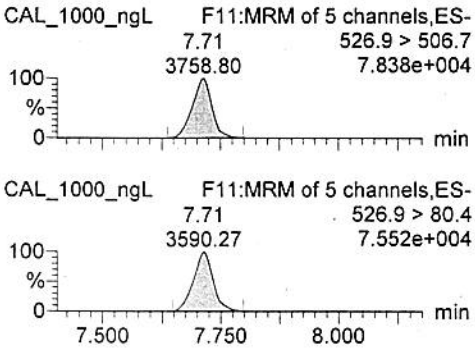
PFHpS



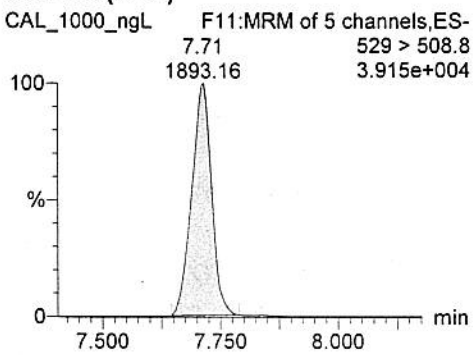
Quantify Sample Report **MassLynx 4.1 SCN919**
Instrument Name: S ITHTQ User: JG
Dataset: C:\MassLynx\PFAS_2016.PRO\20180425_ICAL.qld
Last Altered: Thursday, April 26, 2018 10:20:42 Eastern Daylight Time
Printed: Thursday, April 26, 2018 10:23:12 Eastern Daylight Time

Name: 20180425_8041721_1000ngL, Date: 25-Apr-2018, Time: 11:39:30, Description: CAL_1000_ngL, Instrument: ACQ-TQD#NotSet, User: , Vial: 2:11

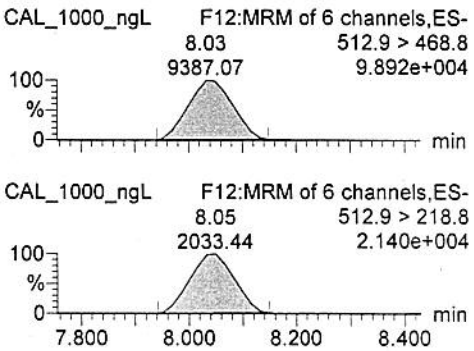
8:2 FTS



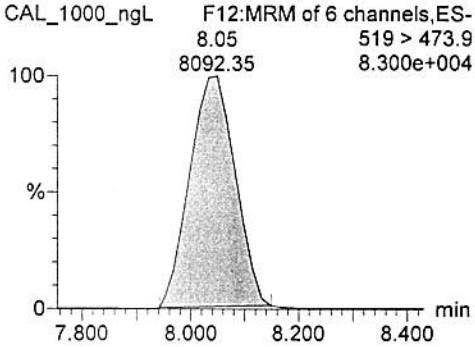
8:2 FTS (M+2)



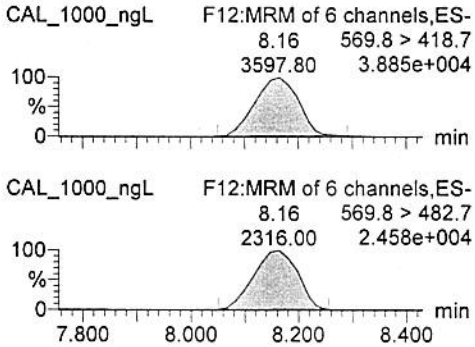
PFDA



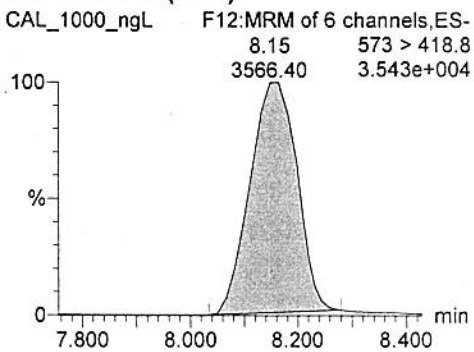
PFDA (M+6)



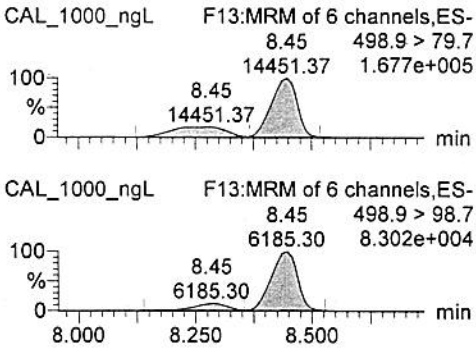
N-MeFOSAA



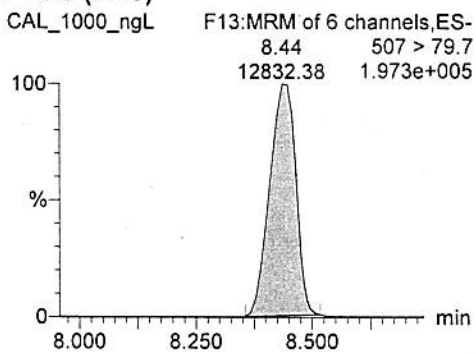
N-MeFOSAA (M+3)



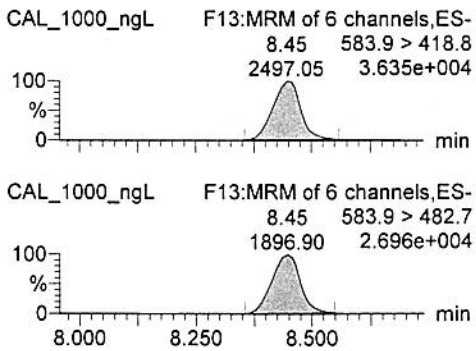
PFOS



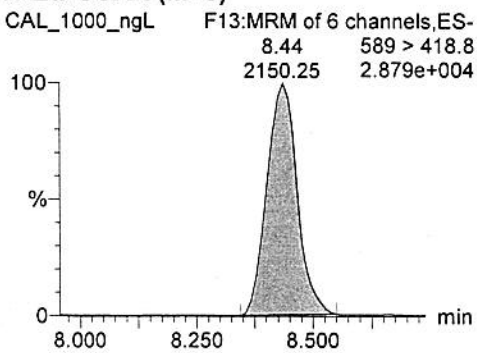
PFOS (M+8)



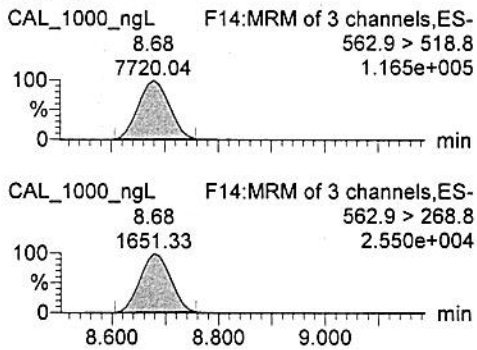
N-EtFOSAA



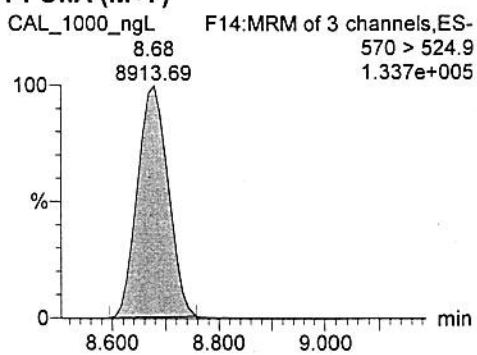
N-EtFOSAA (M+5)



PFUnA



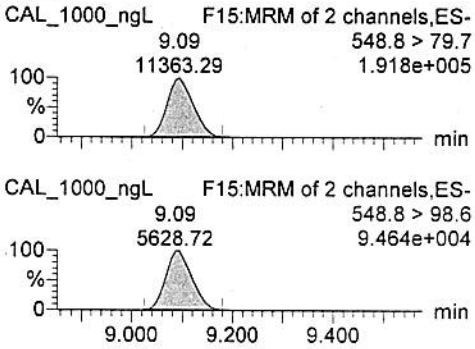
PFUnA (M+7)



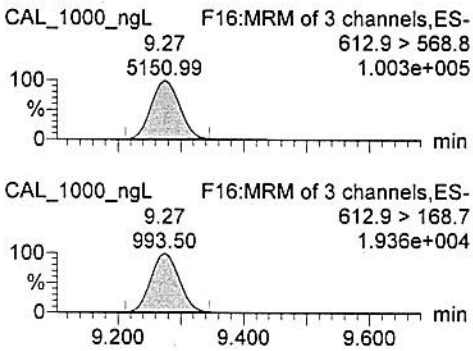
Quantify Sample Report **MassLynx 4.1 SCN919**
Instrument Name: S ITHTQ User: JG
Dataset: C:\MassLynx\PFAS_2016.PRO\20180425_ICAL.qld
Last Altered: Thursday, April 26, 2018 10:20:42 Eastern Daylight Time
Printed: Thursday, April 26, 2018 10:23:12 Eastern Daylight Time

Name: 20180425_8041721_1000ngL, Date: 25-Apr-2018, Time: 11:39:30, Description: CAL_1000_ngL, Instrument: ACQ-TQD#NotSet, User: , Vial: 2:11

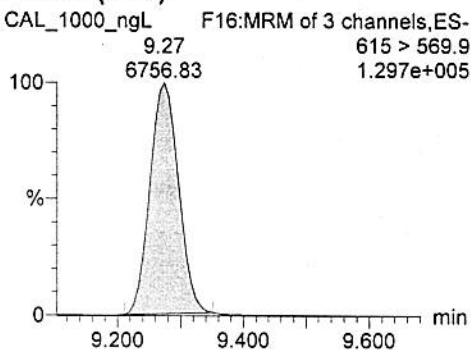
PFNS



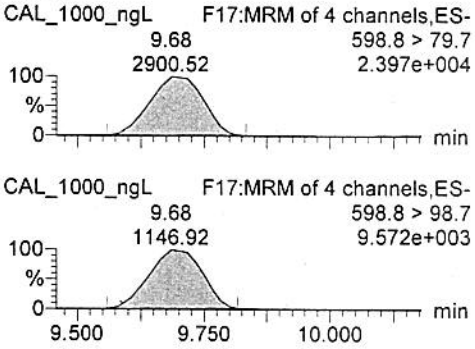
PFDoA



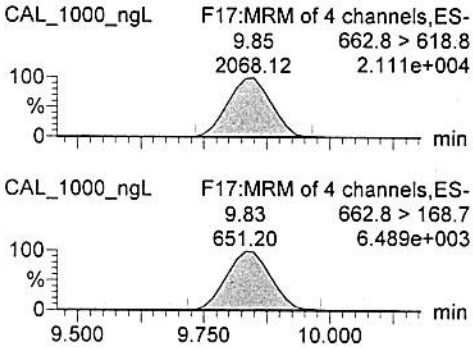
PFDoA (M+2)



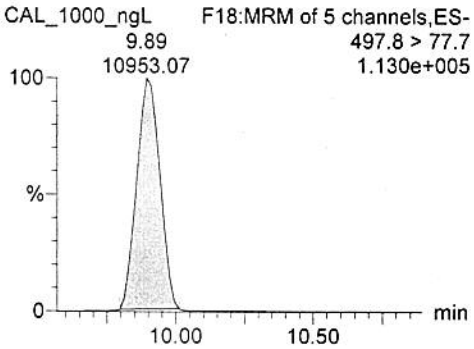
PFDS



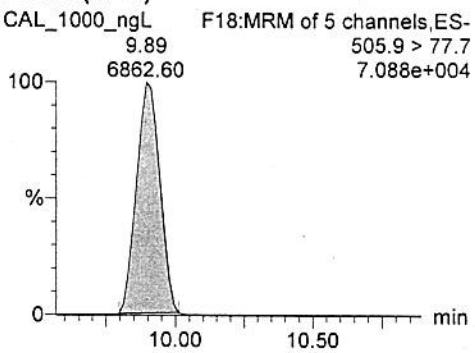
PFTrA



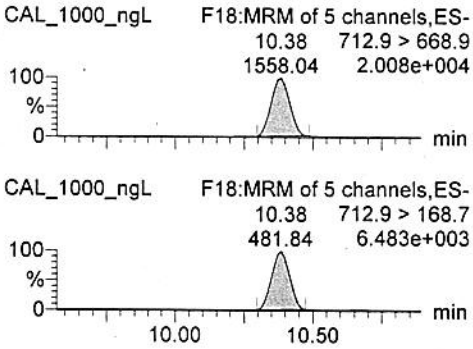
FOSA



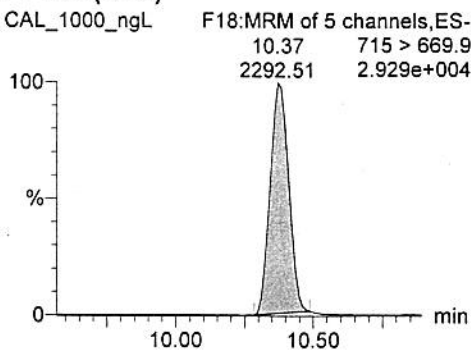
FOSA (M+8)



PFTeA



PFTeA (M+2)



Quantify Sample Report **MassLynx 4.1 SCN919**
Instrument Name: S ITHTQ User: JG
Dataset: C:\MassLynx\PFAS_2016.PRO\20180425_ICAL.qld
Last Altered: Thursday, April 26, 2018 10:20:42 Eastern Daylight Time
Printed: Thursday, April 26, 2018 10:23:12 Eastern Daylight Time

Name: 20180425_8041721_1000ngL, Date: 25-Apr-2018, Time: 11:39:30, 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	17746.5	1030	3.0	17746.533	bb			
PFBA (M+4)	2.89	2.89	0.999	18505.6	1024	2.4	18505.584	bb			
PFPeA	3.73	3.73	0.998	14346.5	1027	2.7	14346.493	bb			
PFPeA (M+5)	3.73	3.73	0.999	14239.1	1023	2.3	14239.143	bb			
4:2 FTS	4.43	4.44	0.999	6801.2	912.9	-2.4	6801.197	bb	1.561	1.405	NO
4:2 FTS (M+2)	4.43	4.44	0.999	7647.9	941.3	0.7	7647.863	bb			
PFHxA	4.73	4.73	0.995	13146.5	1040	4.0	13146.548	bb	8.407	17.982	YES
PFHxA (M+5)	4.73	4.73	0.998	14111.4	1019	1.9	14111.439	bb			
PFBS	4.91	4.92	0.999	13986.1	892.3	0.8	13986.081	bb	2.364	2.182	NO
PFBS (M+3)	4.91	4.91	0.998	18138.9	965.5	3.8	18138.871	bb			
HFPO-DA	5.10	5.09	0.990	2321.2	1049	4.9	2321.239	bb	1.629	1.555	NO
HFPO-DA (M+3)	5.09	5.09	0.989	2114.8	1015	1.5	2114.773	bb			
PFHpA	5.71	5.70	0.999	18877.2	1009	0.9	18877.223	bb	3.215	3.548	NO
PFHpA (M+4)	5.70	5.70	0.999	16230.4	1016	1.6	16230.419	bb			
PFPeS	5.98	5.99	0.999	16982.6	965.1	2.7	16982.639	bb	2.133	2.277	NO
6:2 FTS	6.24	6.24	0.997	4444.1	952.6	0.3	4444.100	bb	1.557	1.128	NO
6:2 FTS (M+2)	6.24	6.24	0.998	4829.6	930.3	-2.1	4829.604	bb			
PFOA	6.57	6.57	0.999	15312.3	1021	2.1	15312.321	bb	2.832	2.626	NO
PFOA (M+8)	6.57	6.56	0.999	13397.9	998.9	-0.1	13397.873	bb			
PFHxS	6.91	6.91	0.998	13227.1	948.7	4.0	13227.138	MM JG	1.790	1.749	NO
PFHxS (M+3)	6.91	6.91	0.999	15869.2	958.0	1.4	15869.220	bb 4/26/18			
PFNA	7.34	7.34	0.999	10949.5	995.7	-0.4	10949.470	bb	2.539	2.782	NO
PFNA (M+9)	7.34	7.34	1.000	9159.0	996.3	-0.4	9159.007	bb			
PFHpS	7.72	7.72	0.999	15115.6	960.3	1.1	15115.649	bb	2.172	2.186	NO
8:2 FTS	7.72	7.71	0.996	3758.8	885.5	0.1	3758.803	bb	1.112	1.047	NO
8:2 FTS (M+2)	7.71	7.71	0.997	1893.2	888.4	0.4	1893.162	bb			
PFDA	8.05	8.03	0.963	9387.1	1016	1.6	9387.067	bb	4.897	4.616	NO
PFDA (M+6)	8.05	8.05	0.972	8092.3	979.3	-2.1	8092.345	bbX			
N-MeFOSAA	8.16	8.16	0.992	3597.8	1048	4.8	3597.805	bb	1.106	1.554	YES
N-MeFOSAA (M+3)	8.16	8.15	0.991	3566.4	1016	1.6	3566.404	bb			
PFOS	8.45	8.45	0.999	14451.4	925.4	0.0	14451.372	MM JG	1.994	2.336	NO
PFOS (M+8)	8.45	8.44	0.998	12832.4	962.1	0.5	12832.382	bb 4/26/18			
N-EtFOSAA	8.46	8.45	0.981	2497.1	1013	1.3	2497.052	bb	1.671	1.316	NO
N-EtFOSAA (M+5)	8.44	8.44	0.994	2150.3	973.1	-2.7	2150.250	bb			
PFUnA	8.68	8.68	0.996	7720.0	990.4	-1.0	7720.039	bb	4.209	4.675	NO
PFUnA (M+7)	8.68	8.68	0.999	8913.7	1021	2.1	8913.691	bb			
PFNS	9.09	9.09	0.998	11363.3	902.1	1.9	11363.289	bb	1.980	2.019	NO
PFDoA	9.28	9.27	0.992	5151.0	1062	6.2	5150.990	bb	5.355	5.185	NO
PFDoA (M+2)	9.28	9.27	0.998	6756.8	1030	3.0	6756.827	bb			
PFDS	9.69	9.68	0.836	2900.5	773.9	-19.8	2900.519	bb	1.504	2.529	YES
PFTrA	9.85	9.85	0.994	2068.1	992.1	-0.8	2068.118	bb	8.187	3.176	YES
FOSA	9.90	9.89	0.997	10953.1	1006	0.6	10953.072	bb			
FOSA (M+8)	9.90	9.89	0.998	6862.6	1034	3.4	6862.599	bb			
PFTeA	10.39	10.38	0.998	1558.0	1012	1.2	1558.042	bb	3.262	3.234	NO
PFTeA (M+2)	10.39	10.37	0.995	2292.5	1059	5.9	2292.509	bb			

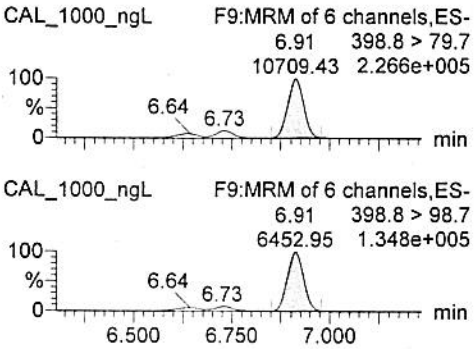
2/4/26/18

Quantify Sample Report **MassLynx 4.1 SCN919**
Instrument Name: S ITHTQ User: JG
Dataset: Untitled
Last Altered: Thursday, April 26, 2018 10:32:18 Eastern Daylight Time
Printed: Thursday, April 26, 2018 10:32:50 Eastern Daylight Time

Method: C:\MassLynx\PFAS_2016.PRO\MethDB\PFAS_20180425.mdb 25 Apr 2018 10:51:51
Calibration: 26 Apr 2018 10:32:18

Name: 20180425_8041721_1000ngL, Date: 25-Apr-2018, Time: 11:39:30, Description: CAL_1000_ngL, Instrument: ACQ-TQD#NotSet, User: , Vial: 2:11

PFHxS



original
JG 4/26/18
JV 4/26/18

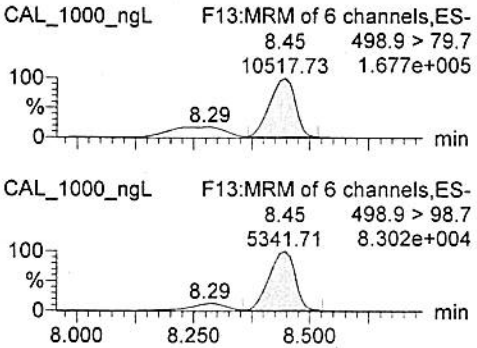
Name	Pred RT	Act RT	COD	Area	ng/L	%Dev	Response	Flags	PredRatio	ActRatio	RatioFail?
PFHxS	6.91	6.91	0.998	10709.4	955.5	4.8	10709.433	bb	1.790	1.660	NO

Quantify Sample Report **MassLynx 4.1 SCN919**
Instrument Name: S ITHTQ User: JG
Dataset: Untitled
Last Altered: Thursday, April 26, 2018 10:32:18 Eastern Daylight Time
Printed: Thursday, April 26, 2018 10:33:29 Eastern Daylight Time

Method: C:\MassLynx\PFAS_2016.PRO\MethDB\PFAS_20180425.mdb 25 Apr 2018 10:51:51
Calibration: 26 Apr 2018 10:32:18

Name: 20180425_8041721_1000ngL, Date: 25-Apr-2018, Time: 11:39:30, Description: CAL_1000_ngL, Instrument: ACQ-TQD#NotSet, User: , Vial: 2:11

PFOS



original
JG 4/26/18
JG 4/26/18

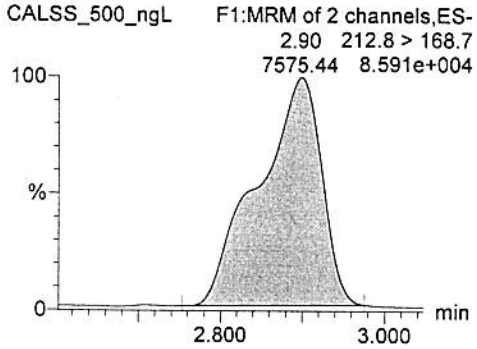
Name	Pred RT	Act RT	COD	Area	ng/L	%Dev	Response	Flags	PredRatio	ActRatio	RatioFail?
PFOS	8.45	8.45	0.998	10517.7	910.3	-1.6	10517.732	db	1.994	1.969	NO

Quantify Sample Report **MassLynx 4.1 SCN919**
Instrument Name: S ITHTQ User: JG
Dataset: C:\MassLynx\PFAS_2016.PRO\20180425_ICAL.qld
Last Altered: Thursday, April 26, 2018 10:20:42 Eastern Daylight Time
Printed: Thursday, April 26, 2018 10:23:13 Eastern Daylight Time

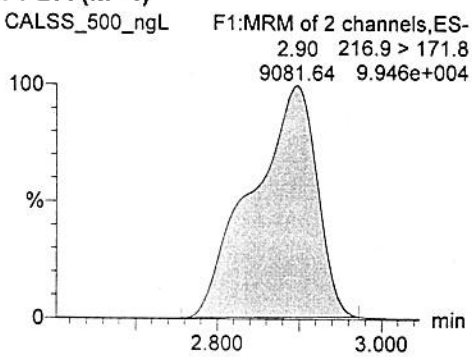
Method: C:\MassLynx\PFAS_2016.PRO\MethDB\PFAS_20180425.mdb 25 Apr 2018 10:51:51
Calibration: C:\MassLynx\PFAS_2016.PRO\CurveDB\PFC_20180425.cdb 26 Apr 2018 10:20:42

Name: 20180425_8042503_500ngLSS, Date: 25-Apr-2018, Time: 13:09:22, Description: CALSS_500_ngL, Instrument: ACQ-TQD#NotSet, User: , Vial: 2:12

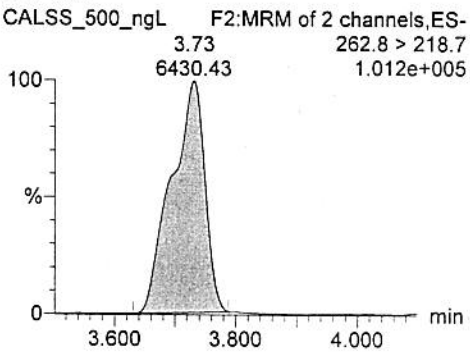
PFBA



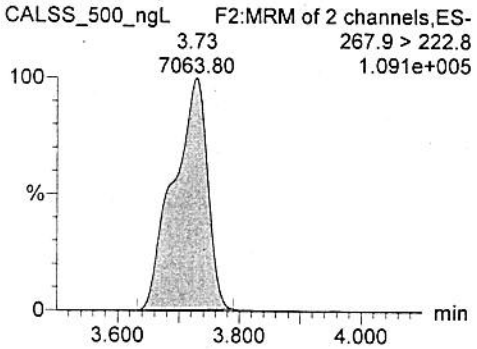
PFBA (M+4)



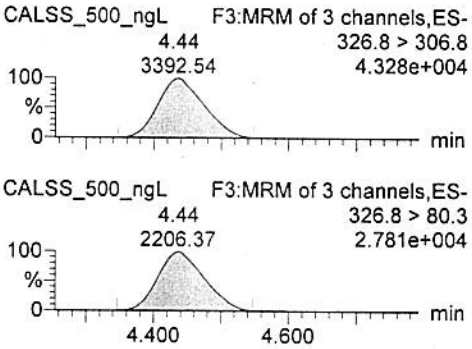
PFPeA



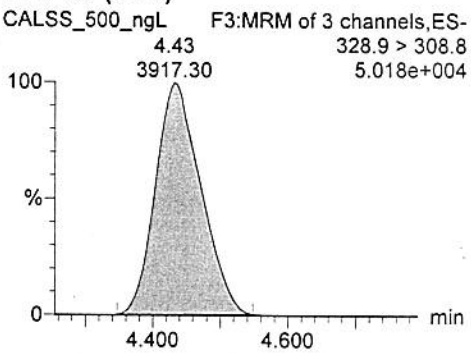
PFPeA (M+5)



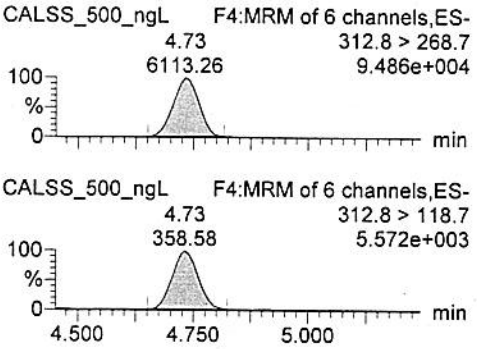
4:2 FTS



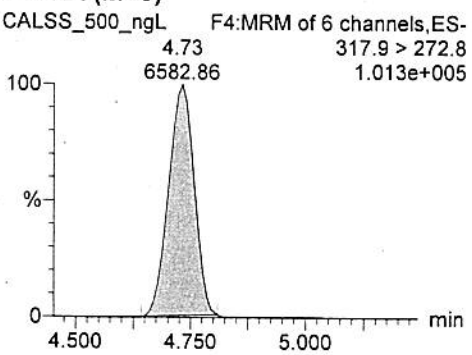
4:2 FTS (M+2)



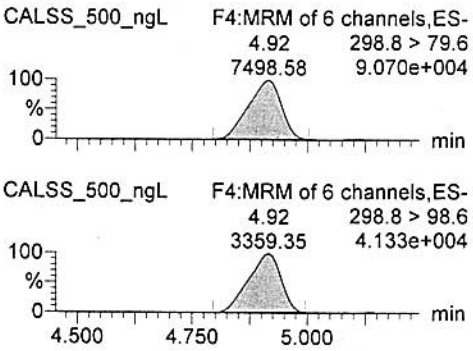
PFHxA



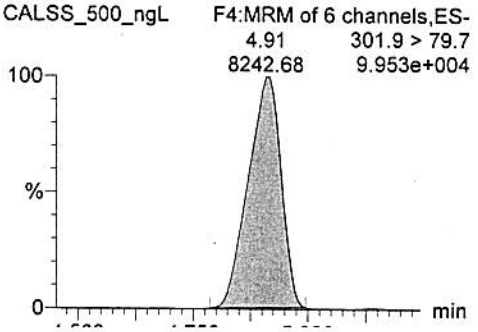
PFHxA (M+5)



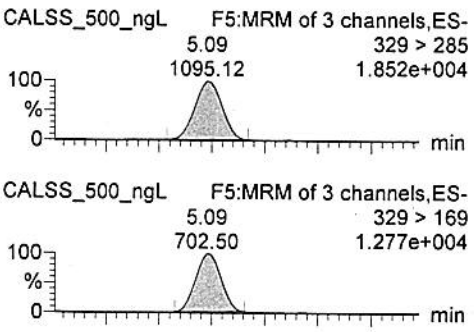
PFBS



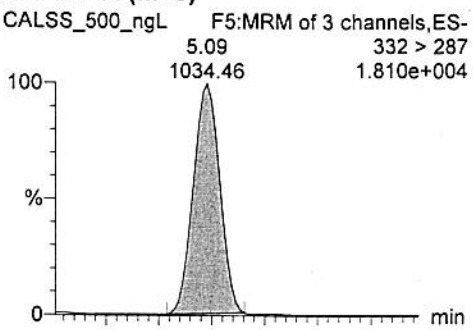
PFBS (M+3)



HFPO-DA



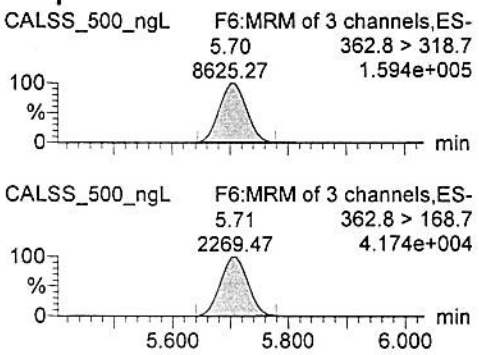
HFPO-DA (M+3)



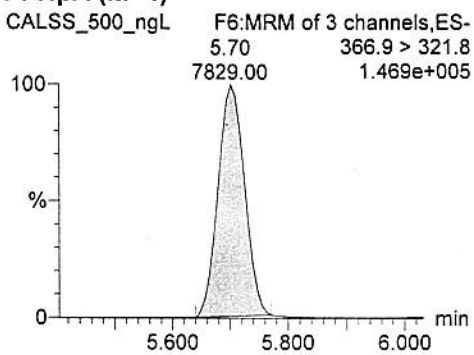
Quantify Sample Report **MassLynx 4.1 SCN919**
Instrument Name: S ITHTQ User: JG
Dataset: C:\MassLynx\PFAS_2016.PRO\20180425_ICAL.qld
Last Altered: Thursday, April 26, 2018 10:20:42 Eastern Daylight Time
Printed: Thursday, April 26, 2018 10:23:13 Eastern Daylight Time

Name: 20180425_8042503_500ngLSS, Date: 25-Apr-2018, Time: 13:09:22, Description: CALSS_500_ngL, Instrument: ACQ-TQD#NotSet, User: , Vial: 2:12

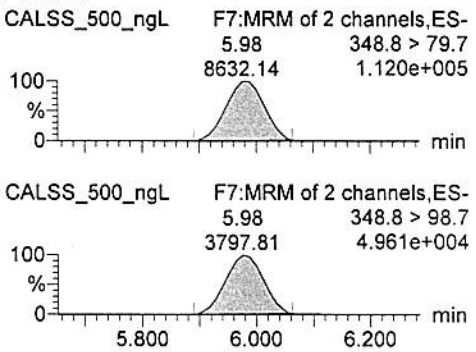
PFHpA



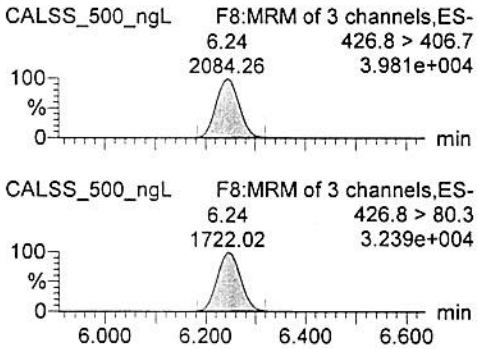
PFHpA (M+4)



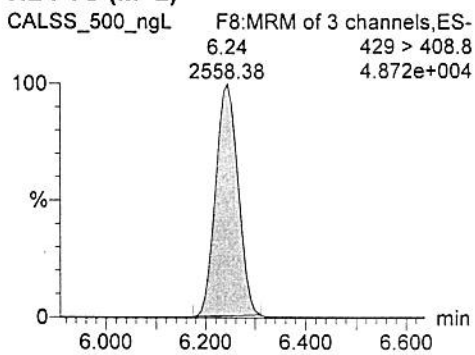
PFPeS



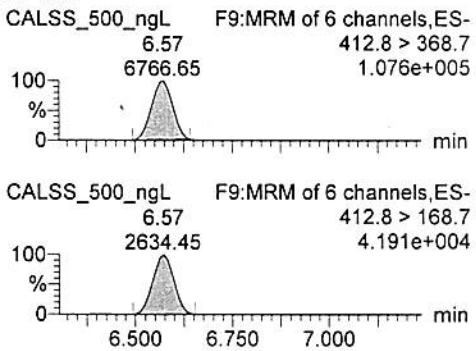
6:2 FTS



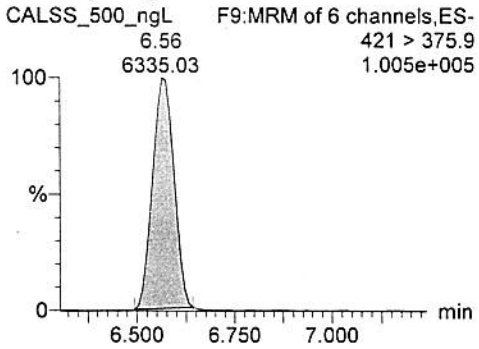
6:2 FTS (M+2)



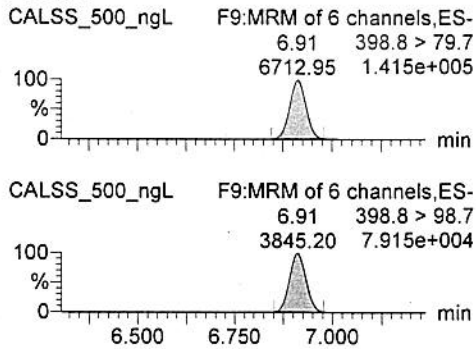
PFOA



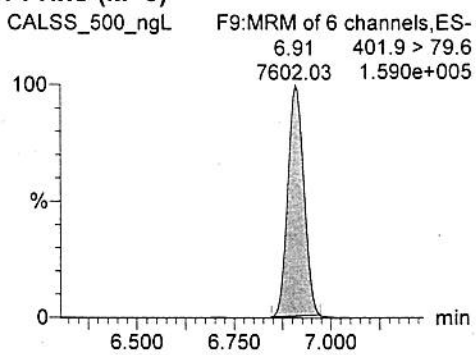
PFOA (M+8)



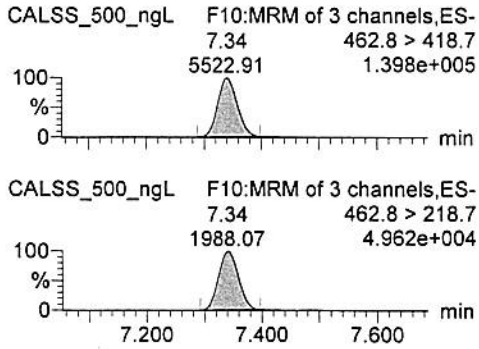
PFHxS



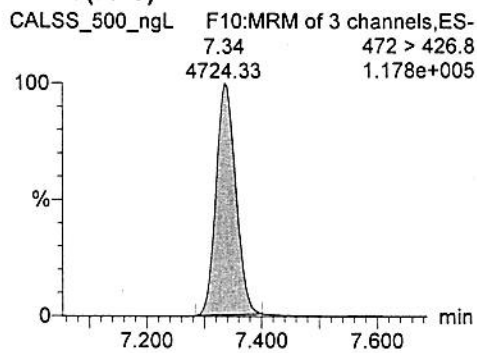
PFHxS (M+3)



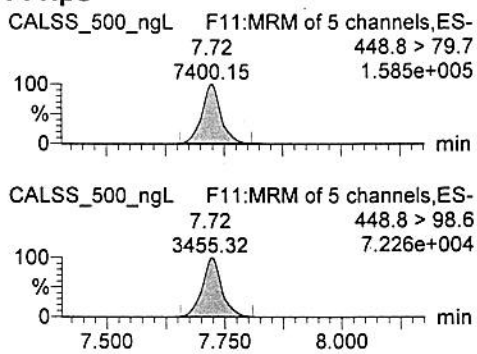
PFNA



PFNA (M+9)



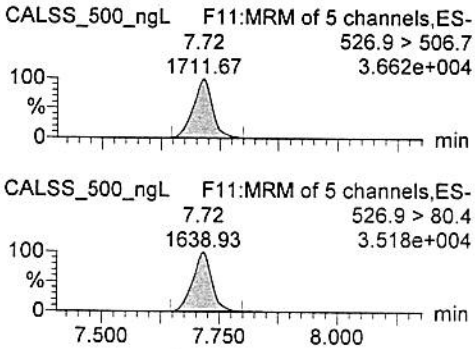
PFHpS



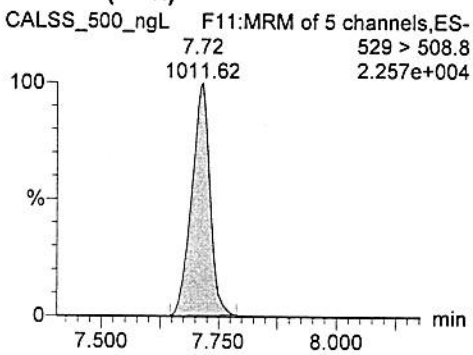
Quantify Sample Report **MassLynx 4.1 SCN919**
Instrument Name: S ITHTQ User: JG
Dataset: C:\MassLynx\PFAS_2016.PRO\20180425_ICAL.qld
Last Altered: Thursday, April 26, 2018 10:20:42 Eastern Daylight Time
Printed: Thursday, April 26, 2018 10:23:13 Eastern Daylight Time

Name: 20180425_8042503_500ngLSS, Date: 25-Apr-2018, Time: 13:09:22, Description: CALSS_500_ngL, Instrument: ACQ-TQD#NotSet, User: , Vial: 2:12

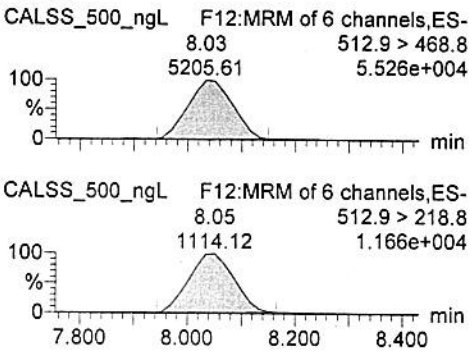
8:2 FTS



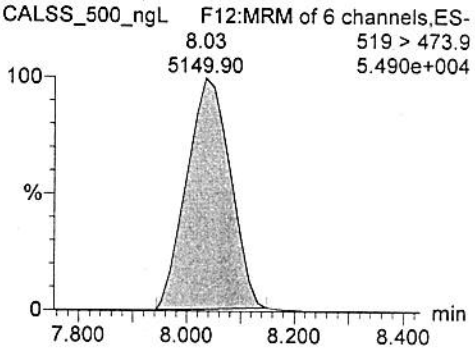
8:2 FTS (M+2)



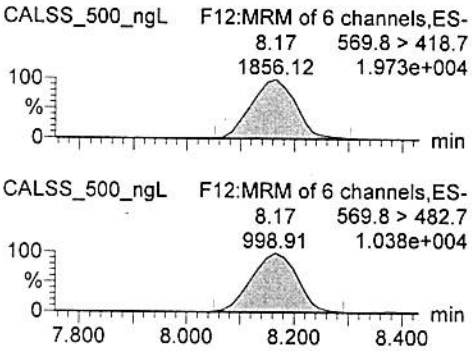
PFDA



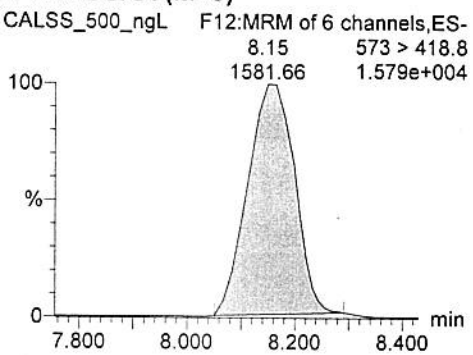
PFDA (M+6)



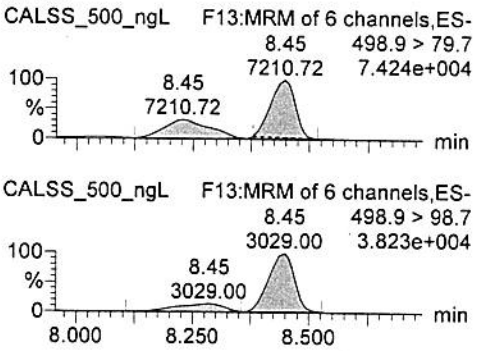
N-MeFOSAA



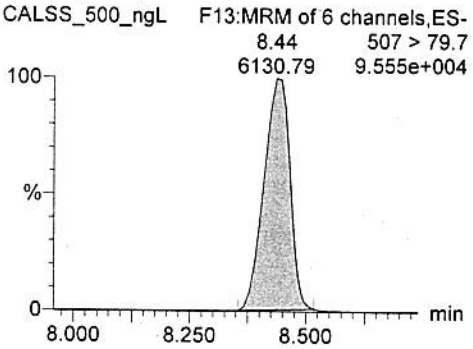
N-MeFOSAA (M+3)



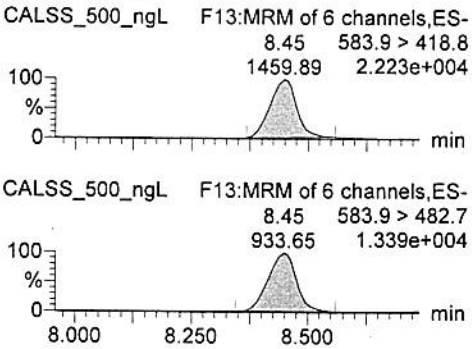
PFOS



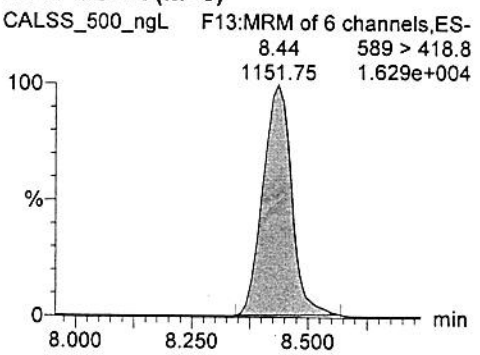
PFOS (M+8)



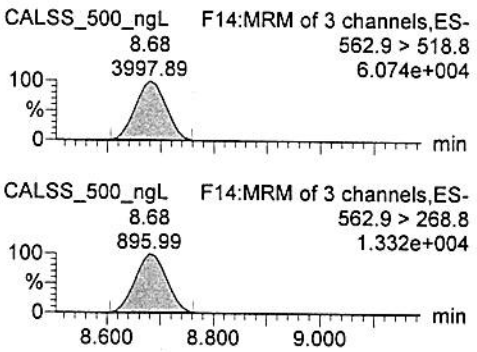
N-EtFOSAA



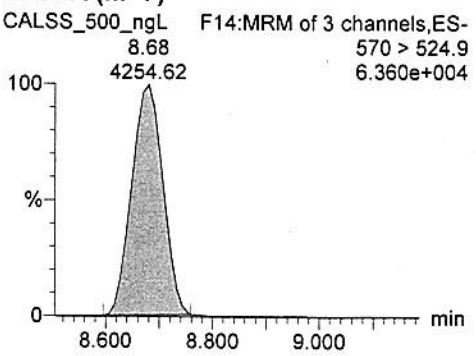
N-EtFOSAA (M+5)



PFUnA



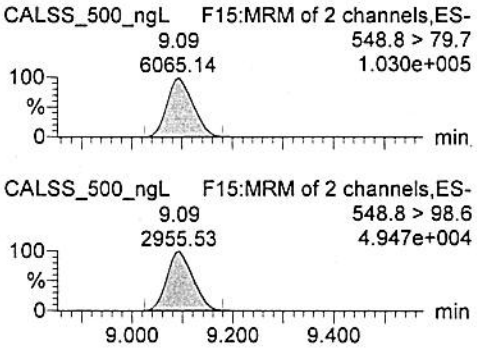
PFUnA (M+7)



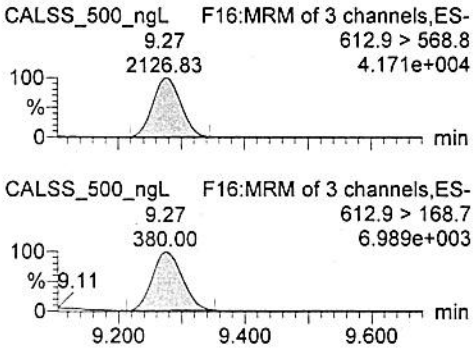
Quantify Sample Report **MassLynx 4.1 SCN919**
Instrument Name: S ITHTQ User: JG
Dataset: C:\MassLynx\PFAS_2016.PRO\20180425_ICAL.qld
Last Altered: Thursday, April 26, 2018 10:20:42 Eastern Daylight Time
Printed: Thursday, April 26, 2018 10:23:13 Eastern Daylight Time

Name: 20180425_8042503_500ngLSS, Date: 25-Apr-2018, Time: 13:09:22, Description: CALSS_500_ngL, Instrument: ACQ-TQD#NotSet, User: , Vial: 2:12

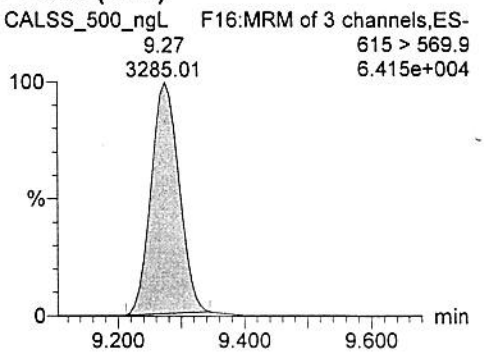
PFNS



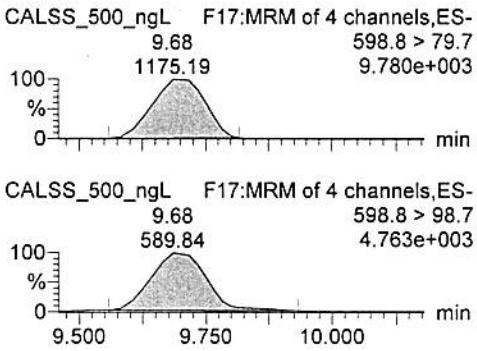
PFDoA



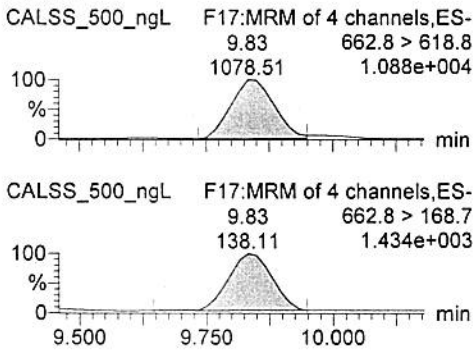
PFDoA (M+2)



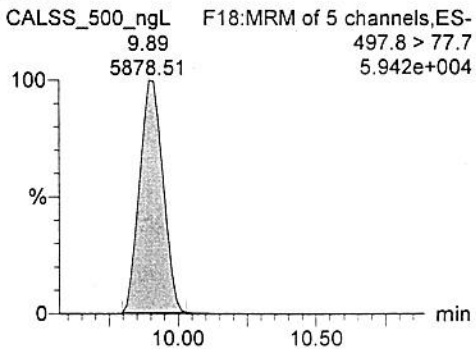
PFDS



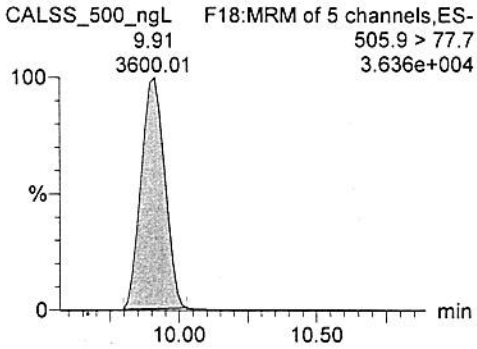
PFTrA



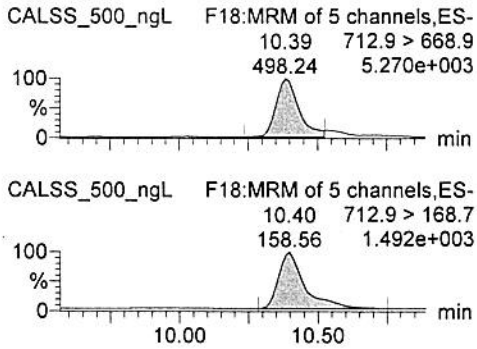
FOSA



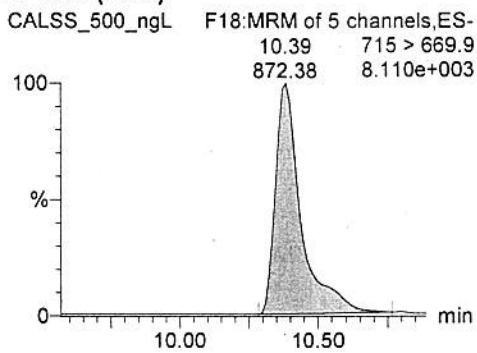
FOSA (M+8)



PFTeA



PFTeA (M+2)



Quantify Sample Report **MassLynx 4.1 SCN919**
Instrument Name: S ITHTQ User: JG
Dataset: C:\MassLynx\PFAS_2016.PRO\20180425_ICAL.qld
Last Altered: Thursday, April 26, 2018 10:20:42 Eastern Daylight Time
Printed: Thursday, April 26, 2018 10:23:13 Eastern Daylight Time

Name: 20180425_8042503_500ngLSS, Date: 25-Apr-2018, Time: 13:09:22, Description: CALSS_500_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	7575.4	440.5	-11.9	7575.443	bb			
PFBA (M+4)	2.89	2.90	0.999	9081.6	504.2	0.8	9081.643	bb			
PFPeA	3.73	3.73	0.998	6430.4	461.2	-7.8	6430.433	bb			
PFPeA (M+5)	3.73	3.73	0.999	7063.8	510.7	2.1	7063.798	bb			
4:2 FTS	4.43	4.44	0.999	3392.5	457.8	-2.1	3392.540	bb	1.561	1.538	NO
4:2 FTS (M+2)	4.43	4.43	0.999	3917.3	483.1	3.3	3917.298	bb			
PFHxA	4.73	4.73	0.995	6113.3	483.5	-3.3	6113.260	bb	8.407	17.049	YES
PFHxA (M+5)	4.73	4.73	0.998	6582.9	479.9	-4.0	6582.859	bb			
PFBS	4.91	4.92	0.999	7498.6	479.9	8.4	7498.584	bb	2.364	2.232	NO
PFBS (M+3)	4.91	4.91	0.998	8242.7	442.1	-4.9	8242.679	bb			
HFPO-DA	5.10	5.09	0.990	1095.1	492.3	-1.5	1095.118	bb	1.629	1.559	NO
HFPO-DA (M+3)	5.09	5.09	0.989	1034.5	504.9	1.0	1034.464	bb			
PFHpA	5.71	5.70	0.999	8625.3	462.2	-7.6	8625.266	bb	3.215	3.801	NO
PFHpA (M+4)	5.70	5.70	0.999	7829.0	490.1	-2.0	7829.001	bb			
PFPeS	5.98	5.98	0.999	8632.1	491.6	4.6	8632.136	bb	2.133	2.273	NO
6:2 FTS	6.24	6.24	0.997	2084.3	444.1	-6.5	2084.261	bb	1.557	1.210	NO
6:2 FTS (M+2)	6.24	6.24	0.998	2558.4	494.2	4.0	2558.379	bb			
PFOA	6.57	6.57	0.999	6766.6	451.1	-9.8	6766.647	bb	2.832	2.569	NO
PFOA (M+8)	6.57	6.56	0.999	6335.0	475.3	-4.9	6335.035	bb			
PFHxS	6.91	6.91	0.998	6713.0	481.7	5.6	6712.953	bb	1.790	1.746	NO
PFHxS (M+3)	6.91	6.91	0.999	7602.0	460.4	-2.6	7602.035	bb			
PFNA	7.34	7.34	0.999	5522.9	503.0	0.6	5522.908	bb	2.539	2.778	NO
PFNA (M+9)	7.34	7.34	1.000	4724.3	515.1	3.0	4724.332	bb			
PFHpS	7.72	7.72	0.999	7400.2	470.5	-0.9	7400.153	bb	2.172	2.142	NO
8:2 FTS	7.72	7.72	0.996	1711.7	404.4	-8.6	1711.666	bb	1.112	1.044	NO
8:2 FTS (M+2)	7.71	7.72	0.997	1011.6	478.8	8.2	1011.623	bb			
PFDA	8.05	8.03	0.963	5205.6	563.1	12.6	5205.609	bb	4.897	4.672	NO
PFDA (M+6)	8.05	8.03	0.972	5149.9	621.6	24.3	5149.897	bb			
N-MeFOSAA	8.16	8.17	0.992	1856.1	554.3	10.9	1856.115	bb	1.106	1.858	YES
N-MeFOSAA (M+3)	8.16	8.15	0.991	1581.7	455.2	-9.0	1581.660	bb			
PFOS	8.45	8.45	0.999	7210.7	463.0	0.1	7210.724	MM JG	1.994	2.381	NO
PFOS (M+8)	8.45	8.44	0.998	6130.8	461.0	-3.6	6130.789	bb 4/26/18			
N-EtFOSAA	8.46	8.45	0.981	1459.9	596.2	19.2	1459.887	bb	1.671	1.564	NO
N-EtFOSAA (M+5)	8.44	8.44	0.994	1151.7	524.4	4.9	1151.749	bb			
PFUnA	8.68	8.68	0.996	3997.9	513.9	2.8	3997.885	bb	4.209	4.462	NO
PFUnA (M+7)	8.68	8.68	0.999	4254.6	489.4	-2.1	4254.621	bb			
PFNS	9.09	9.09	0.998	6065.1	482.2	9.0	6065.136	bb	1.980	2.052	NO
PFDoA	9.28	9.27	0.992	2126.8	439.5	-12.1	2126.833	bb	5.355	5.597	NO
PFDoA (M+2)	9.28	9.27	0.998	3285.0	506.0	1.2	3285.009	bb			
PFDS	9.69	9.68	0.836	1175.2	298.4	-38.2	1175.194	bb	1.504	1.992	NO
PFTrA	9.85	9.83	0.994	1078.5	501.8	0.4	1078.508	bd	8.187	7.809	NO
FOSA	9.90	9.89	0.997	5878.5	541.9	8.4	5878.508	bb			
FOSA (M+8)	9.90	9.91	0.998	3600.0	545.1	9.0	3600.011	bb			
PFTeA	10.39	10.39	0.998	498.2	344.1	-31.2	498.239	bd	3.262	3.142	NO
PFTeA (M+2)	10.39	10.39	0.995	872.4	420.2	-16.0	872.381	bb			

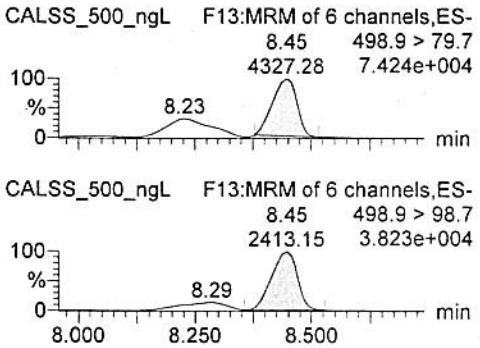
JV 4/26/18

Quantify Sample Report **MassLynx 4.1 SCN919**
Instrument Name: S ITHTQ User: JG
Dataset: Untitled
Last Altered: Thursday, April 26, 2018 10:32:18 Eastern Daylight Time
Printed: Thursday, April 26, 2018 10:33:32 Eastern Daylight Time

Method: C:\MassLynx\PFAS_2016.PRO\MethDB\PFAS_20180425.mdb 25 Apr 2018 10:51:51
Calibration: 26 Apr 2018 10:32:18

Name: 20180425_8042503_500ngLSS, Date: 25-Apr-2018, Time: 13:09:22, Description: CALSS_500_ngL, Instrument: ACQ-TQD#NotSet, User: , Vial: 2:12

PFOS



original
JG 4/26/18
N 4/26/18

Name	Pred RT	Act RT	COD	Area	ng/L	%Dev	Response	Flags	PredRatio	ActRatio	RatioFail?
PFOS	8.45	8.45	0.998	4327.3	376.0	-18.7	4327.277	bb	1.994	1.793	NO

Quantify Experiment Report **MassLynx 4.1 SCN919**
Instrument Name: S ITHTQ User: JG
Dataset: C:\MassLynx\PFAS_2016.PRO\20180425_ICAL.qld
Last Altered: Thursday, April 26, 2018 10:20:42 Eastern Daylight Time
Printed: Thursday, April 26, 2018 10:23:36 Eastern Daylight Time

Method: C:\MassLynx\PFAS_2016.PRO\MethDB\PFAS_20180425.mdb 25 Apr 2018 10:51:51
Calibration: C:\MassLynx\PFAS_2016.PRO\CurveDB\PFC_20180425.cdb 26 Apr 2018 10:20:42

```
Header
Acquired File Name:   20180425_Instrument Blank_1
Acquired Date:        25-Apr-2018
Acquired Time:        07:54:50
Job Code:             20180425
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:       -0.00000000027*x^4 + 0.00000039200*x^3 + -0.00001954802*x^2 + 1.0037052
```

```
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     10.2600
Initial Average Std Dev       1.3439
Bunch Zero Level        0.0142
Bunch Std Dev                 0.0156
Bunch Threshold               0.1252
Spike Removal Std Dev         1.2429
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  2.03
Cone (V)    39.00 -41.27
Extractor (V)     3.00  -3.66
RF (V)      0.10
Source Temperature (°C) 150   148
Desolvation Temperature (°C)  425   425
```

Cone Gas Flow (L/Hr) 50 50
Desolvation Gas Flow (L/Hr) 800 795
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 -551.35
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 2.03
Cone (V) 39.00 -41.27
Extractor (V) 3.00 -3.66
RF (V) 0.10
Source Temperature (°C) 150 148
Desolvation Temperature (°C) 425 425
Cone Gas Flow (L/Hr) 50 50
Desolvation Gas Flow (L/Hr) 800 795
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 -551.35
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 2.03
Cone (V) 39.00 -41.27
Extractor (V) 3.00 -3.66
RF (V) 0.10
Source Temperature (°C) 150 148
Desolvation Temperature (°C) 425 425
Cone Gas Flow (L/Hr) 50 50
Desolvation Gas Flow (L/Hr) 800 795
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  -551.35
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  2.03
Cone (V)    39.00 -41.27
Extractor (V)     3.00  -3.66
RF (V)      0.10
Source Temperature (°C) 150   148
Desolvation Temperature (°C)  425   425
Cone Gas Flow (L/Hr)    50    50
Desolvation Gas Flow (L/Hr)   800   795
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  -551.35
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  2.03
Cone (V)    39.00 -41.27
Extractor (V)     3.00  -3.66
RF (V)      0.10
Source Temperature (°C) 150   148
Desolvation Temperature (°C)  425   425
Cone Gas Flow (L/Hr)    50    50
Desolvation Gas Flow (L/Hr)   800   795
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  -551.35
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  2.03
Cone (V)    39.00 -41.27
Extractor (V)     3.00  -3.66
RF (V)      0.10
Source Temperature (°C) 150   148
Desolvation Temperature (°C)  425   425
Cone Gas Flow (L/Hr)    50    50
Desolvation Gas Flow (L/Hr)   800   795
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  -551.35
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  2.03
Cone (V)    39.00 -41.27
Extractor (V)     3.00  -3.66
RF (V)      0.10
Source Temperature (°C) 150   148
Desolvation Temperature (°C)  425   425
Cone Gas Flow (L/Hr)    50    50
Desolvation Gas Flow (L/Hr)   800   795
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  -551.35
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  2.03
Cone (V)    39.00 -41.27
Extractor (V)     3.00  -3.66
RF (V)      0.10
Source Temperature (°C) 150   148
Desolvation Temperature (°C)  425   425
Cone Gas Flow (L/Hr)    50    50
Desolvation Gas Flow (L/Hr)   800   795
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  -551.35
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  2.03
Cone (V)    39.00 -41.27
Extractor (V)     3.00  -3.66
RF (V)      0.10
Source Temperature (°C) 150   148
Desolvation Temperature (°C)  425   425
Cone Gas Flow (L/Hr)    50    50
Desolvation Gas Flow (L/Hr)   800   795
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  -551.35
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  2.03
Cone (V)    39.00 -41.27
Extractor (V)     3.00  -3.66
RF (V)      0.10
Source Temperature (°C) 150   148
Desolvation Temperature (°C)  425   425
Cone Gas Flow (L/Hr)    50    50
Desolvation Gas Flow (L/Hr)   800   795
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  -551.35
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  2.03
Cone (V)    39.00 -41.27
Extractor (V)     3.00  -3.66
RF (V)      0.10
Source Temperature (°C) 150   148
Desolvation Temperature (°C)  425   425
Cone Gas Flow (L/Hr)    50    50
Desolvation Gas Flow (L/Hr)   800   795
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  -551.35
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  2.03
Cone (V)    39.00 -41.27
Extractor (V)     3.00  -3.66
RF (V)      0.10
Source Temperature (°C) 150   148
Desolvation Temperature (°C)  425   425
Cone Gas Flow (L/Hr)    50    50
Desolvation Gas Flow (L/Hr)   800   795
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  -551.35
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  2.03
Cone (V)    39.00 -41.27
Extractor (V)     3.00  -3.66
RF (V)      0.10
Source Temperature (°C) 150   148
Desolvation Temperature (°C)  425   425
Cone Gas Flow (L/Hr)    50    50
Desolvation Gas Flow (L/Hr)   800   795
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  -551.35
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  2.03
Cone (V)    39.00 -41.27
```

```
Extractor (V)     3.00  -3.66
RF (V)      0.10
Source Temperature (°C) 150   148
Desolvation Temperature (°C)  425   425
Cone Gas Flow (L/Hr)    50    50
Desolvation Gas Flow (L/Hr)   800   795
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  -551.35
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  2.03
Cone (V)    39.00 -41.27
Extractor (V)     3.00  -3.66
RF (V)      0.10
Source Temperature (°C) 150   148
Desolvation Temperature (°C)  425   425
Cone Gas Flow (L/Hr)    50    50
Desolvation Gas Flow (L/Hr)   800   795
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  -551.35
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  2.03
Cone (V)    39.00 -41.27
Extractor (V)     3.00  -3.66
RF (V)      0.10
Source Temperature (°C) 150   148
Desolvation Temperature (°C)  425   425
```

```
Cone Gas Flow (L/Hr)    50    50
Desolvation Gas Flow (L/Hr)   800   795
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  -551.35
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  2.03
Cone (V)    39.00 -41.27
Extractor (V)     3.00  -3.66
RF (V)      0.10
Source Temperature (°C) 150   148
Desolvation Temperature (°C)  425   425
Cone Gas Flow (L/Hr)    50    50
Desolvation Gas Flow (L/Hr)   800   795
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  -551.35
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  2.03
Cone (V)    39.00 -41.27
Extractor (V)     3.00  -3.66
RF (V)      0.10
Source Temperature (°C) 150   148
Desolvation Temperature (°C)  425   425
Cone Gas Flow (L/Hr)    50    50
Desolvation Gas Flow (L/Hr)   800   795
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  -551.35
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: 444
 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
```

```
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
```

```
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:         124
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
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

Comments
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
```