

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF032519\
 Data File : BF113282.D
 Acq On : 25 Mar 2019 16:35
 Operator : JU/SJ
 Sample : K1560-07
 Misc : L00 16 PPM
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 LOD-MDL-WATER-01-QT1-2019

Quant Time: Mar 28 04:27:34 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF032519.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Mar 26 03:32:08 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.70	152	163842	20.00	ng	0.00
21) Naphthalene-d8	7.99	136	673214	20.00	ng	0.00
39) Acenaphthene-d10	9.73	164	329759	20.00	ng	0.00
64) Phenanthrene-d10	11.21	188	656925	20.00	ng	0.00
76) Chrysene-d12	13.84	240	565585	20.00	ng	0.00
87) Perylene-d12	15.24	264	526511	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.32	112	1029557	102.75	ng	0.00
7) Phenol-d6	6.35	99	1271616	100.32	ng	0.00
23) Nitrobenzene-d5	7.27	82	790486	69.69	ng	0.00
42) 2,4,6-Tribromophenol	10.52	330	429793	105.52	ng	0.00
45) 2-Fluorobiphenyl	9.06	172	1461116	65.38	ng	0.00
79) Terphenyl-d14	12.79	244	1685926	65.70	ng	0.00

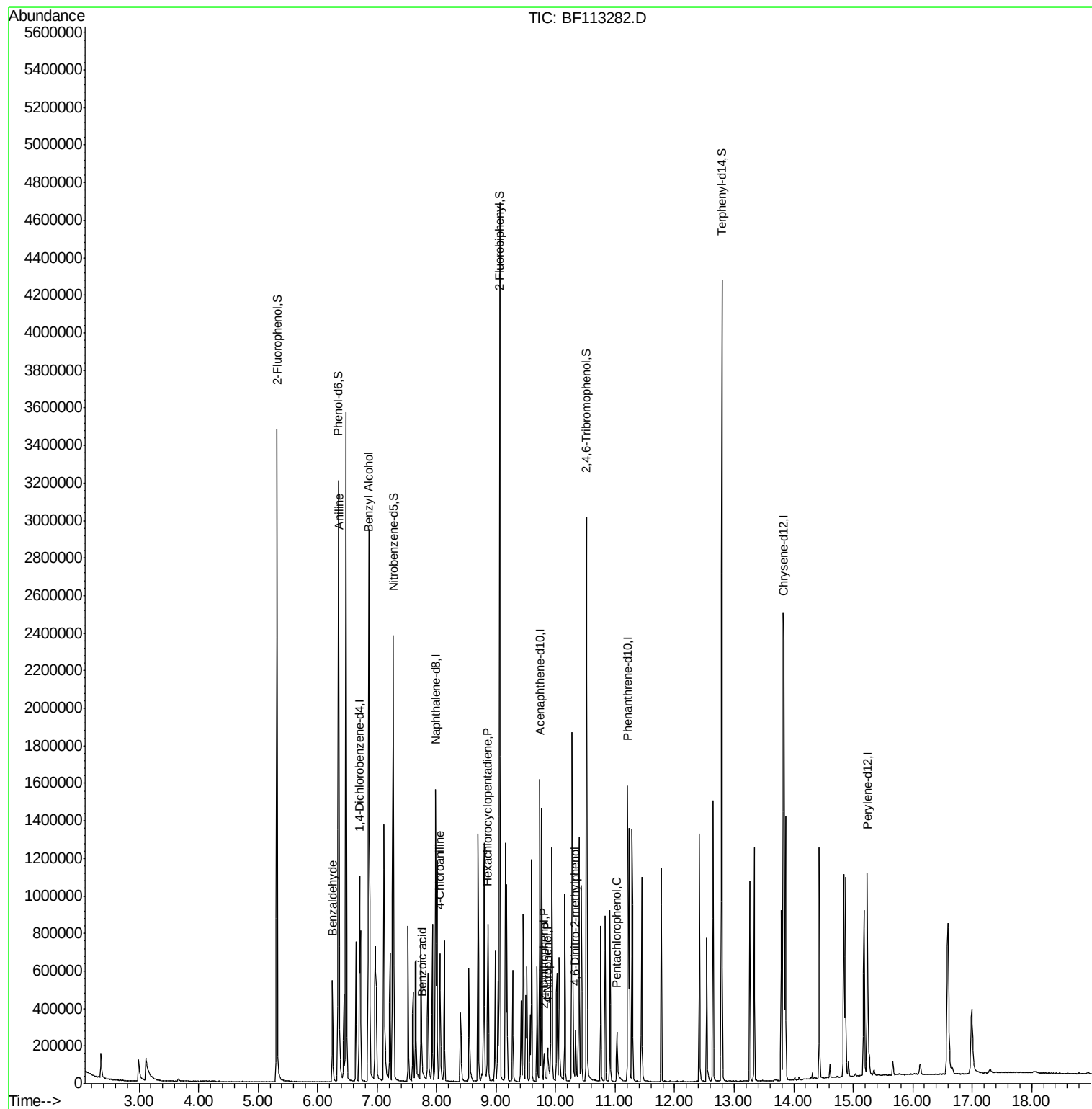
Target Compounds				Qvalue		
6) Aniline	6.36	93	211093	13.675	ng	89
9) Benzaldehyde	6.25	77	120551	14.172	ng	98
15) Benzyl Alcohol	6.85	79	122744	14.678	ng	98
32) Benzoic acid	7.76	122	77908	10.755	ng	94
33) 4-Chloroaniline	8.06	127	205100	15.988	ng	98
41) Hexachlorocyclopentadiene	8.86	237	41541	9.272	ng	95
54) 2,4-Dinitrophenol	9.80	184	30207	11.016	ng	95
56) 4-Nitrophenol	9.87	139	55261	12.467	ng	94
65) 4,6-Dinitro-2-methylphenol	10.34	198	43436	12.087	ng	99
70) Pentachlorophenol	11.03	266	54739	12.642	ng	96

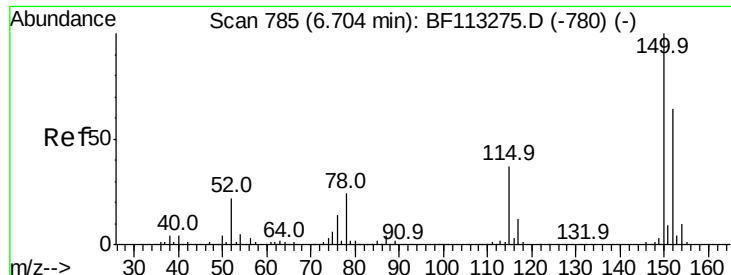
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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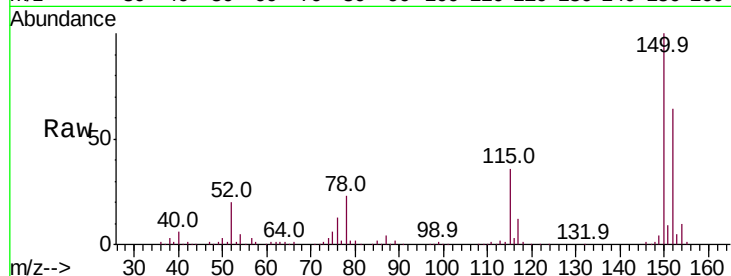


#1

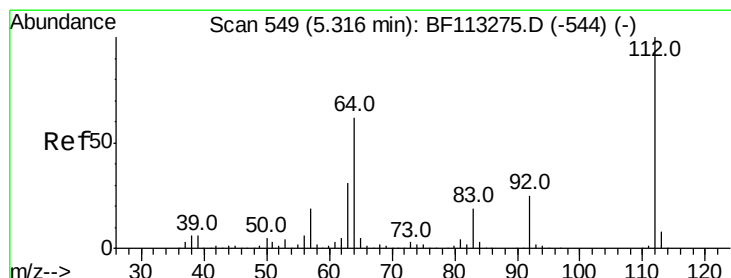
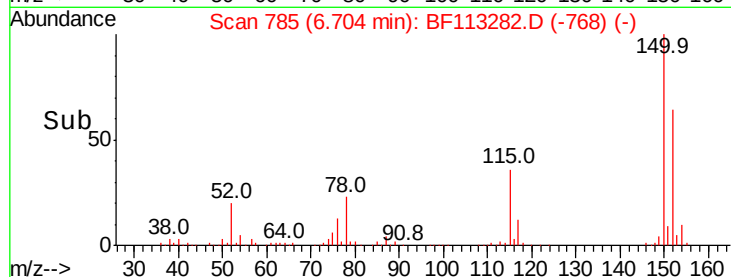
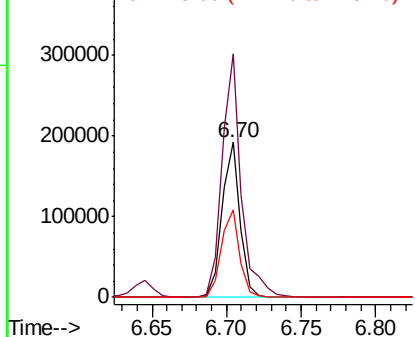
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.70 min Scan# 785
Delta R.T. -0.00 min
Lab File: BF113282.D
Acq: 25 Mar 2019 16:35

Instrument :
BNA_F
ClientSampleId :
LOD-MDL-WATER-01-QT1-2019

Tot Ion:152 Resp: 163842
Ion Ratio Lower Upper
152 100
150 156.8 124.7 187.1
115 56.4 46.0 69.0



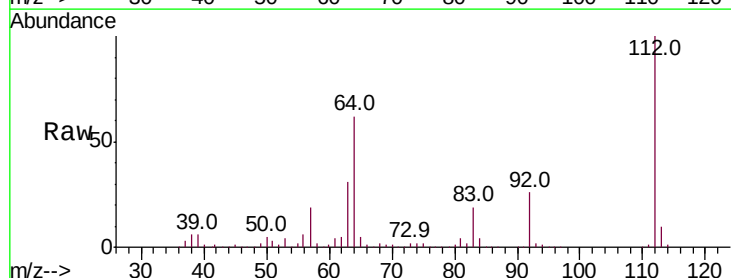
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



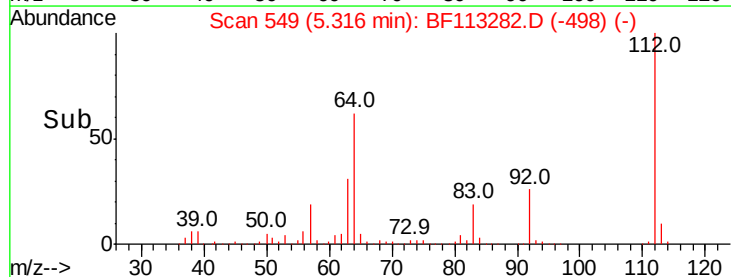
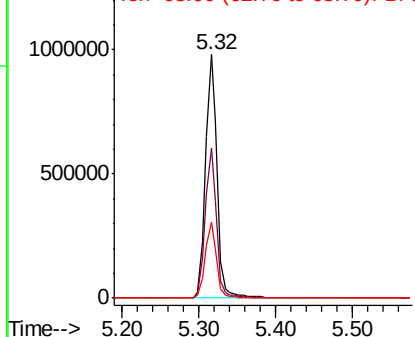
#5

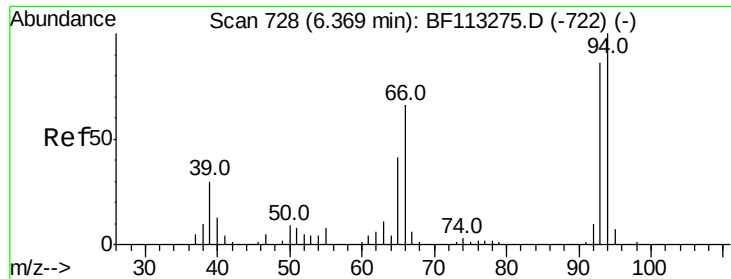
2-Fluorophenol
Concen: 102.748 ng
RT: 5.32 min Scan# 549
Delta R.T. -0.00 min
Lab File: BF113282.D
Acq: 25 Mar 2019 16:35

Tgt Ion:112 Resp: 1029557
Ion Ratio Lower Upper
112 100
64 61.5 49.2 73.8
63 31.4 24.9 37.3



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BF1
Ion 63.00 (62.70 to 63.70): BF1





#6

Aniline

Concen: 13.675 ng

RT: 6.36 min Scan# 727

Delta R.T. -0.01 min

Lab File: BF113282.D

Acq: 25 Mar 2019 16:35

Instrument :

BNA_F

ClientSampleId :

LOD-MDL-WATER-01-QT1-2019

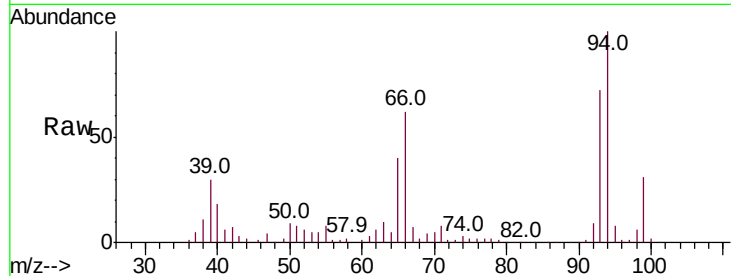
Tot Ion: 93 Resp: 211093

Ion Ratio Lower Upper

93 100

66 86.6 62.1 93.1

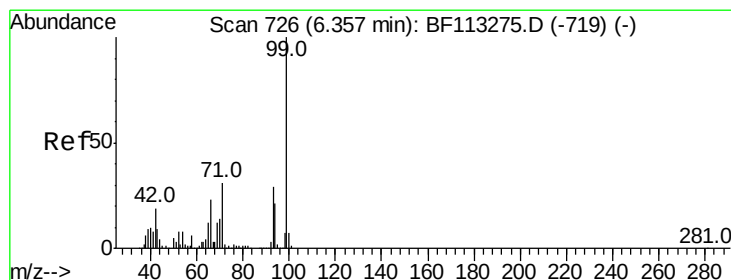
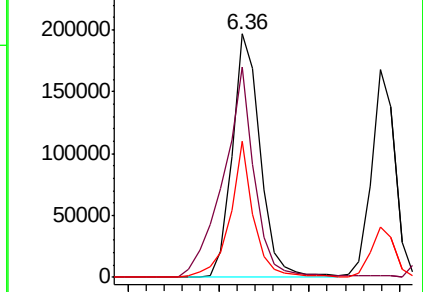
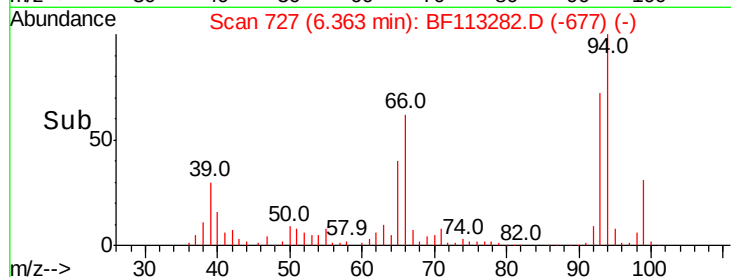
65 55.8 38.7 58.1



Abundance Ion 93.00 (92.70 to 93.70): BF1

Ion 66.00 (65.70 to 66.70): BF1

Ion 65.00 (64.70 to 65.70): BF1



#7

Phenol-d6

Concen: 100.316 ng

RT: 6.35 min Scan# 725

Delta R.T. -0.01 min

Lab File: BF113282.D

Acq: 25 Mar 2019 16:35

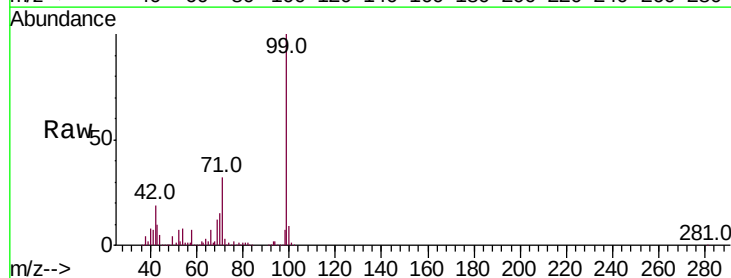
Tgt Ion: 99 Resp: 1271616

Ion Ratio Lower Upper

99 100

42 19.4 14.8 22.2

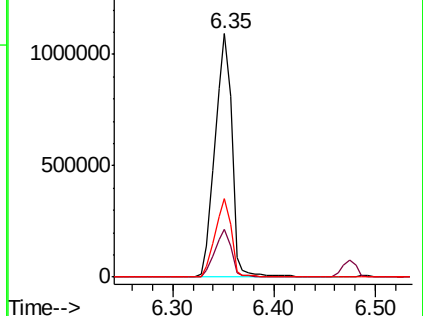
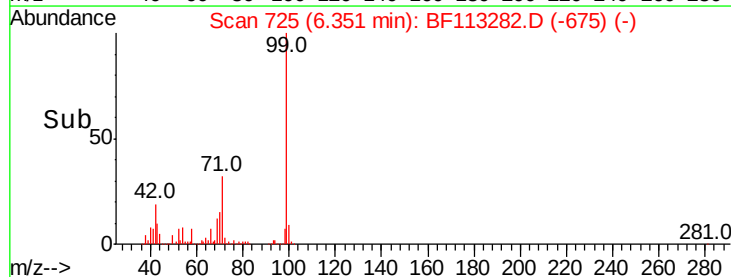
71 32.1 24.9 37.3

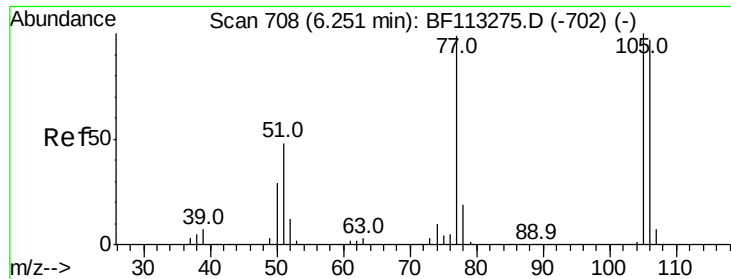


Abundance Ion 99.00 (98.70 to 99.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 71.00 (70.70 to 71.70): BF1





#9

Benzaldehyde

Concen: 14.172 ng

RT: 6.25 min Scan# 708

Delta R.T. -0.00 min

Lab File: BF113282.D

Acq: 25 Mar 2019 16:35

Instrument :

BNA_F

ClientSampleId :

LOD-MDL-WATER-01-QT1-2019

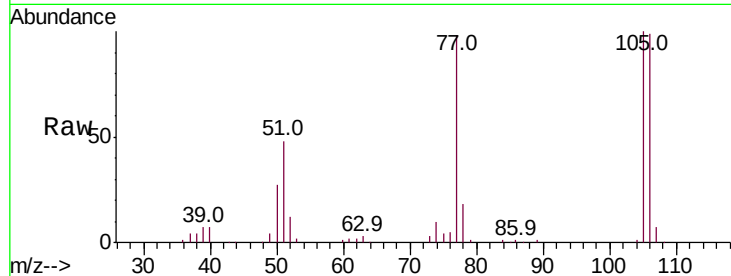
Tot Ion: 77 Resp: 120551

Ion Ratio Lower Upper

77 100

105 101.9 80.9 120.9

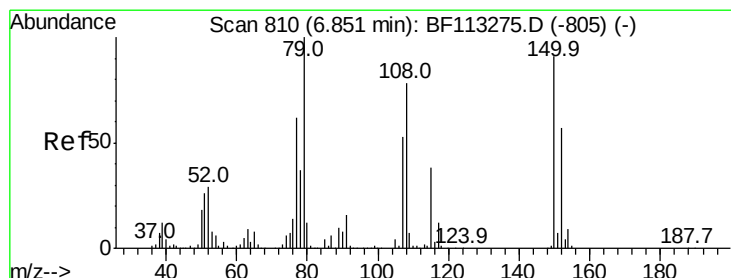
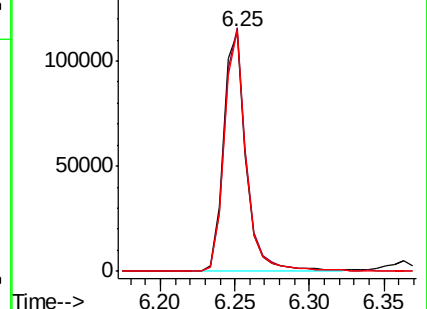
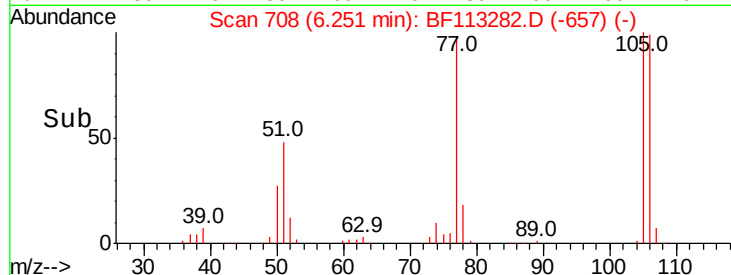
106 101.1 77.8 117.8



Abundance Ion 77.00 (76.70 to 77.70): BF1

Ion 105.00 (104.70 to 105.70): E

Ion 106.00 (105.70 to 106.70): E



#15

Benzyl Alcohol

Concen: 14.678 ng

RT: 6.85 min Scan# 810

Delta R.T. -0.00 min

Lab File: BF113282.D

Acq: 25 Mar 2019 16:35

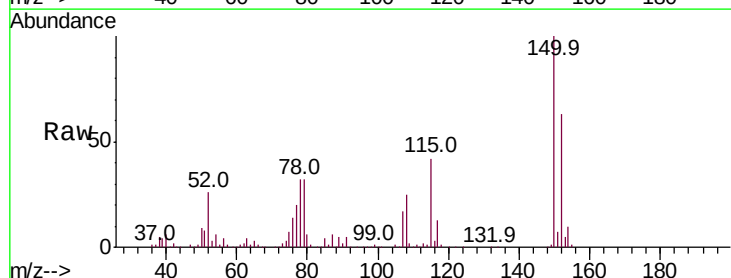
Tgt Ion: 79 Resp: 122744

Ion Ratio Lower Upper

79 100

108 78.9 62.0 93.0

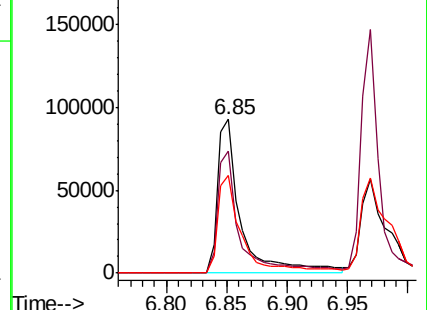
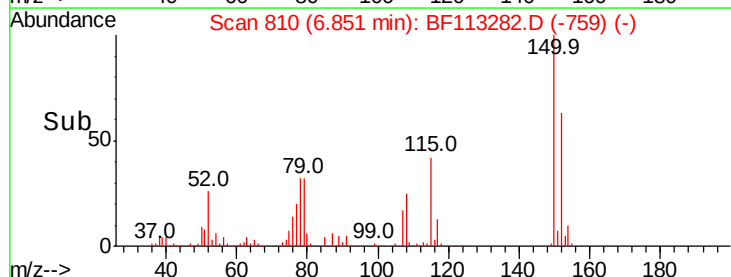
77 63.7 49.9 74.9

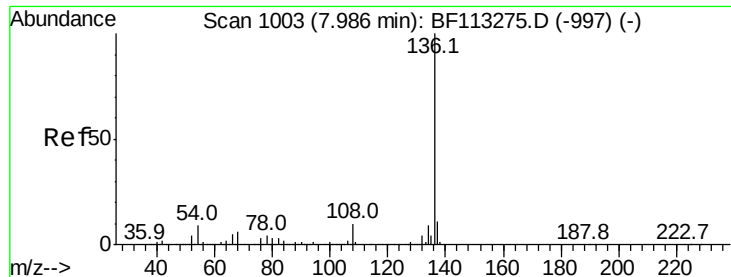


Abundance Ion 79.00 (78.70 to 79.70): BF1

Ion 108.00 (107.70 to 108.70): E

Ion 77.00 (76.70 to 77.70): BF1





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 7.99 min Scan# 1003

Delta R.T. -0.00 min

Lab File: BF113282.D

Acq: 25 Mar 2019 16:35

Instrument :

BNA_F

ClientSampleId :

LOD-MDL-WATER-01-QT1-2019

Tot Ion:136 Resp: 673214

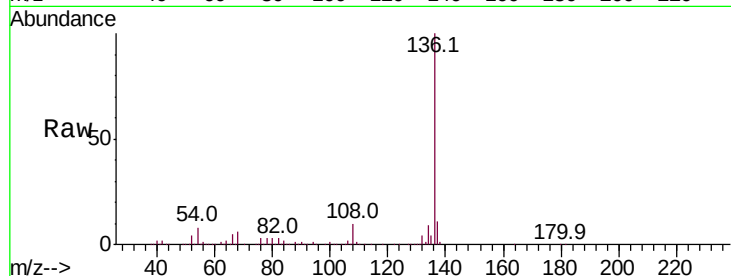
Ion Ratio Lower Upper

136 100

137 11.1 8.9 13.3

54 7.8 7.0 10.6

68 6.3 4.8 7.2

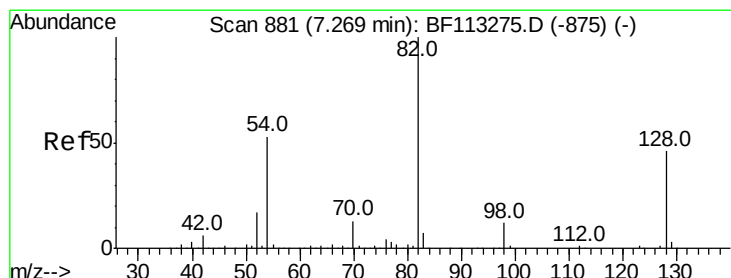
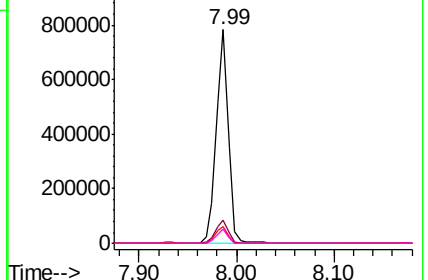
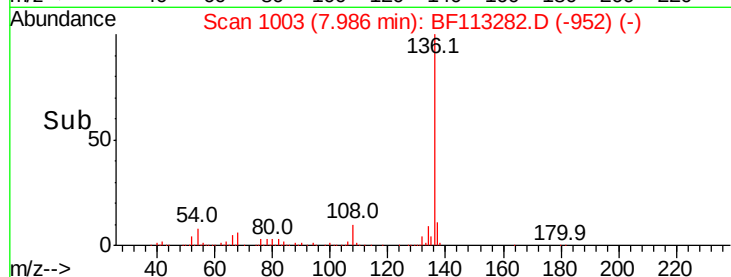


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF1

Ion 68.00 (67.70 to 68.70): BF1



#23

Nitrobenzene-d5

Concen: 69.693 ng

RT: 7.27 min Scan# 881

Delta R.T. 0.00 min

Lab File: BF113282.D

Acq: 25 Mar 2019 16:35

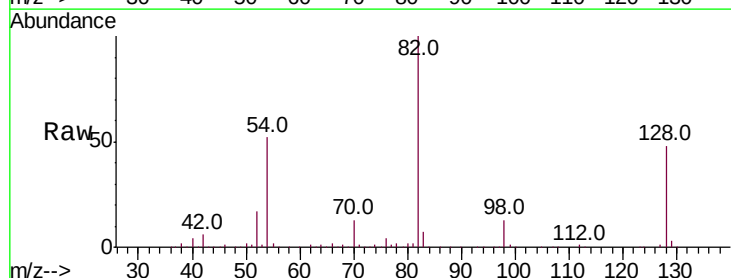
Tgt Ion: 82 Resp: 790486

Ion Ratio Lower Upper

82 100

128 47.8 36.5 54.7

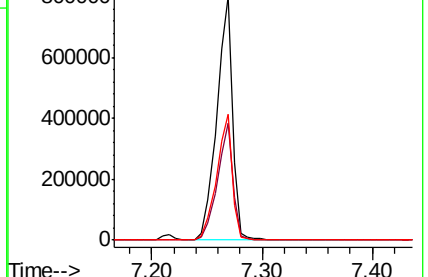
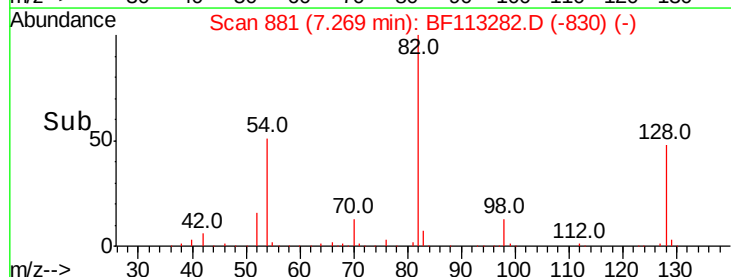
54 51.7 42.2 63.2

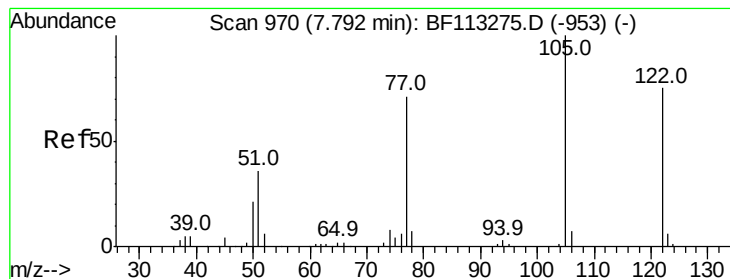


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#32

Benzoic acid

Concen: 10.755 ng

RT: 7.76 min Scan# 964

Delta R.T. -0.04 min

Lab File: BF113282.D

Acq: 25 Mar 2019 16:35

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ClientSampleId :

LOD-MDL-WATER-01-QT1-2019

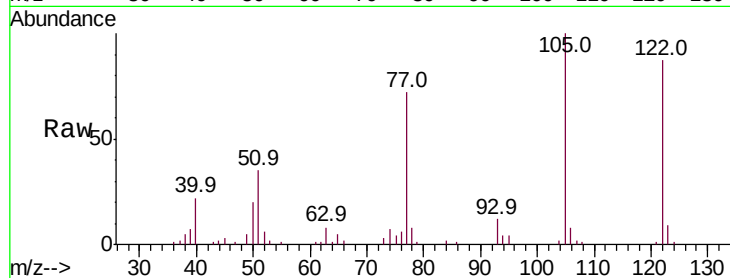
Tot Ion:122 Resp: 77908

Ion Ratio Lower Upper

122 100

105 114.5 100.4 140.4

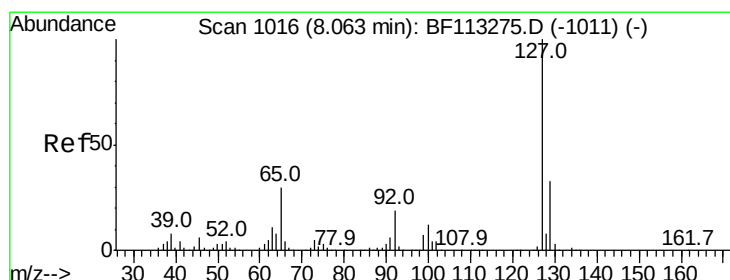
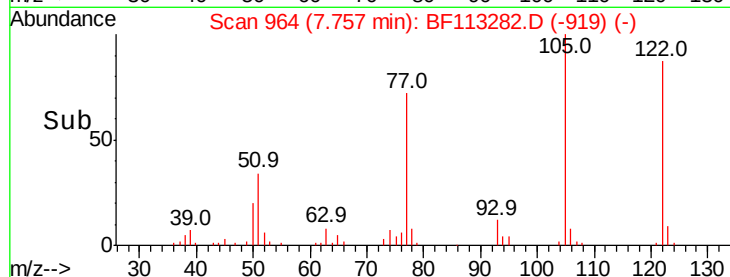
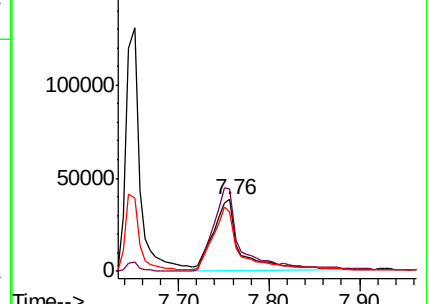
77 82.9 69.0 109.0



Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF1



#33

4-Chloroaniline

Concen: 15.988 ng

RT: 8.06 min Scan# 1015

Delta R.T. -0.01 min

Lab File: BF113282.D

Acq: 25 Mar 2019 16:35

Tgt Ion:127 Resp: 205100

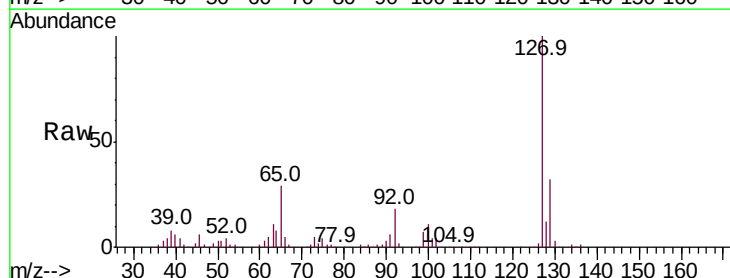
Ion Ratio Lower Upper

127 100

129 32.2 26.3 39.5

65 28.9 24.2 36.4

92 18.1 15.0 22.6

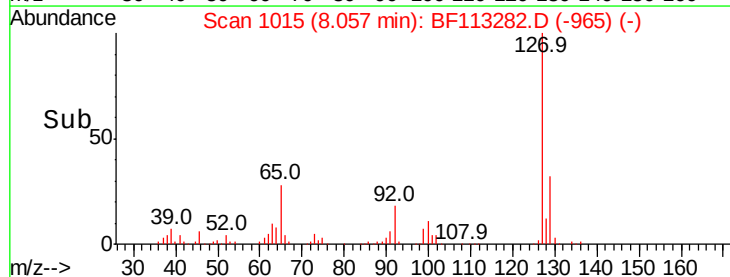
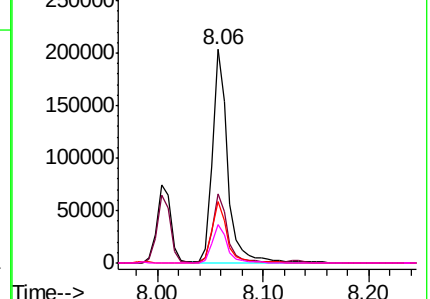


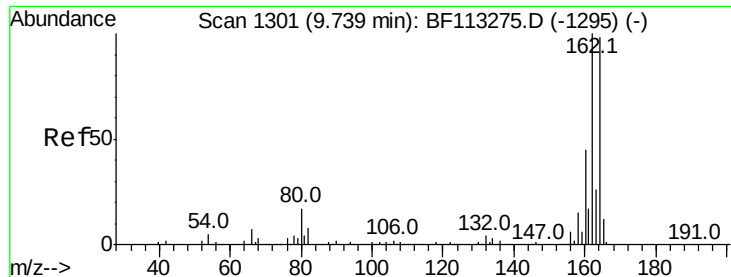
Abundance Ion 127.00 (126.70 to 127.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 65.00 (64.70 to 65.70): BF1

Ion 92.00 (91.70 to 92.70): BF1

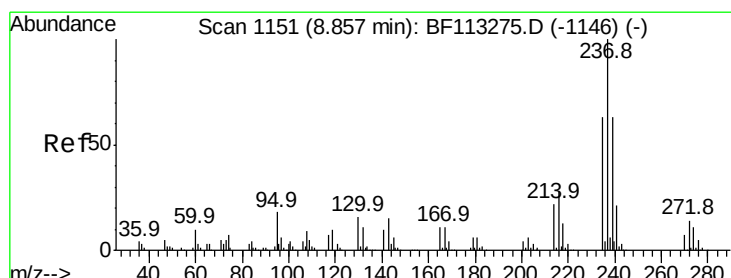
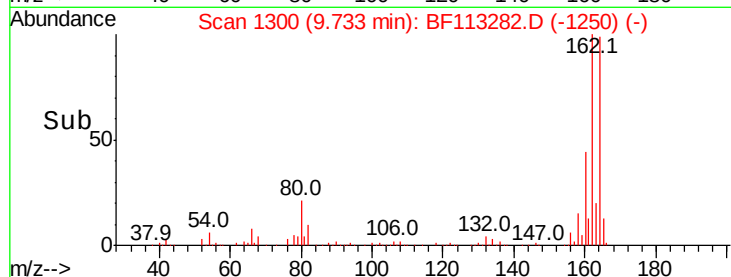
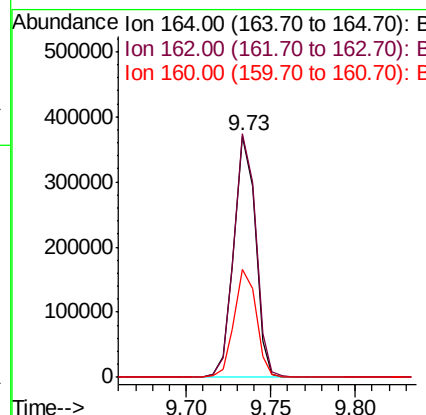
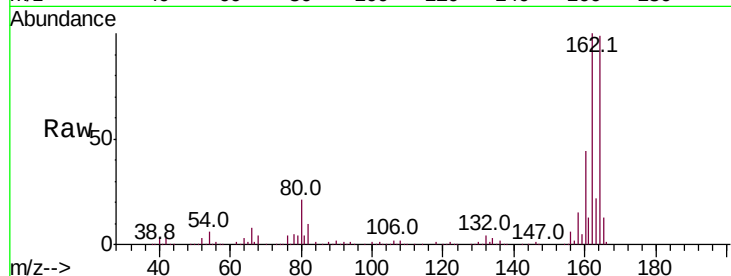




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.73 min Scan# 1300
Delta R.T. -0.01 min
Lab File: BF113282.D
Acq: 25 Mar 2019 16:35

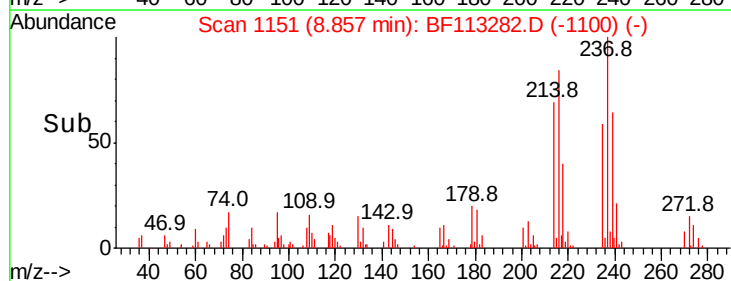
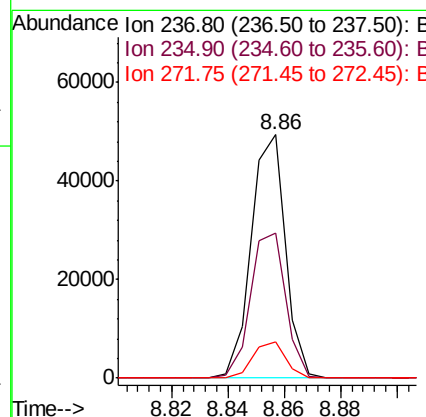
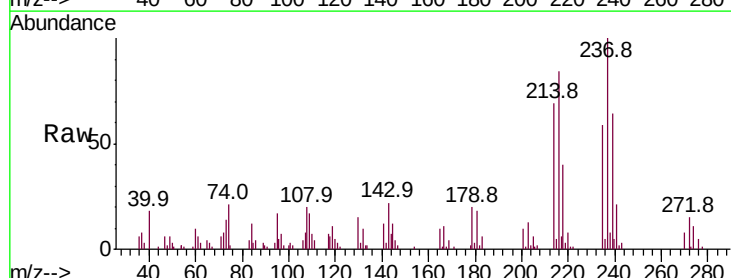
Instrument :
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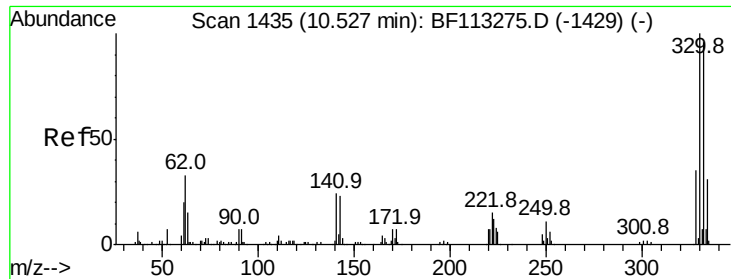
Tot Ion	Ratio	Lower	Upper
164	100		
162	100.8	81.8	122.6
160	44.5	36.4	54.6



#41
Hexachlorocyclopentadiene
Concen: 9.272 ng
RT: 8.86 min Scan# 1151
Delta R.T. -0.00 min
Lab File: BF113282.D
Acq: 25 Mar 2019 16:35

Tgt Ion	Ratio	Lower	Upper
237	100		
235	59.3	43.4	83.4
272	15.1	0.0	33.7

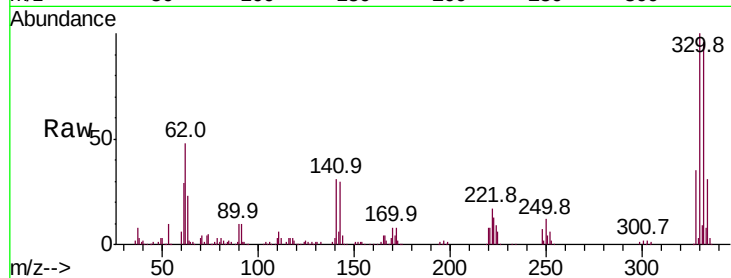




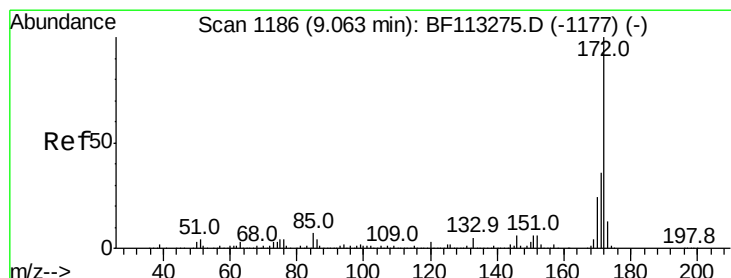
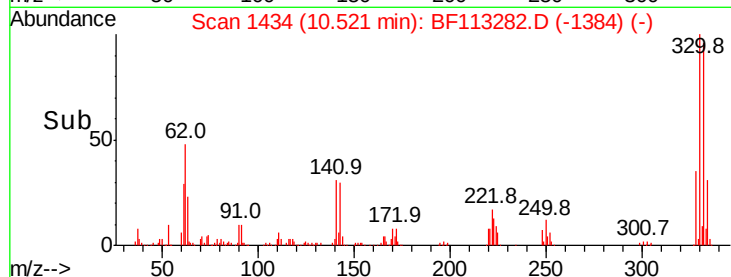
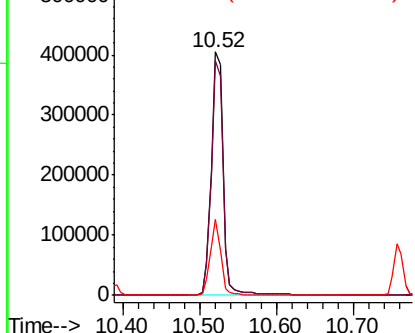
#42
 2,4,6-Tribromophenol
 Concen: 105.515 ng
 RT: 10.52 min Scan# 1434
 Delta R.T. -0.01 min
 Lab File: BF113282.D
 Acq: 25 Mar 2019 16:35

Instrument :
 BNA_F
 ClientSampleId :
 LOD-MDL-WATER-01-QT1-2019

Tot Ion:330 Resp: 429793
 Ion Ratio Lower Upper
 330 100
 332 96.4 77.8 116.6
 141 28.4 22.7 34.1

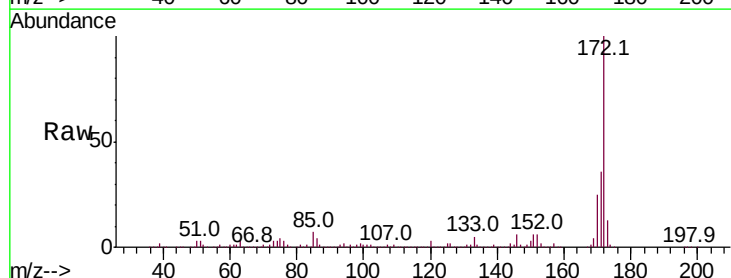


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

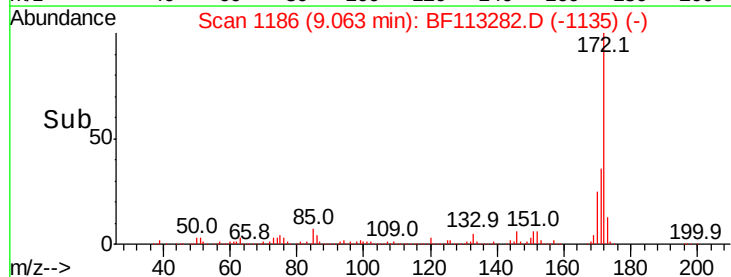
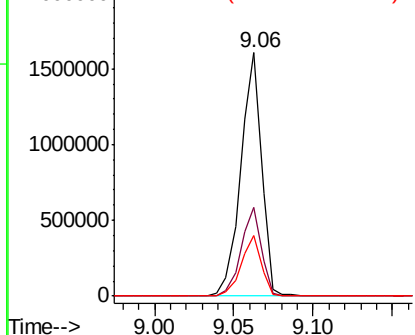


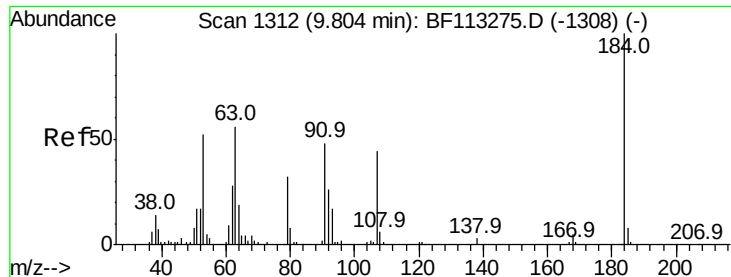
#45
 2-Fluorobiphenyl
 Concen: 65.376 ng
 RT: 9.06 min Scan# 1186
 Delta R.T. 0.00 min
 Lab File: BF113282.D
 Acq: 25 Mar 2019 16:35

Tgt Ion:172 Resp: 1461116
 Ion Ratio Lower Upper
 172 100
 171 36.2 29.0 43.6
 170 24.9 19.5 29.3



Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

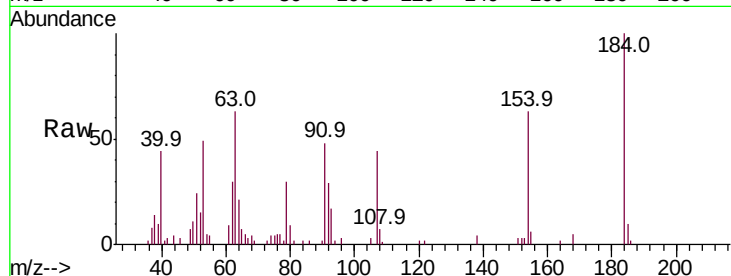




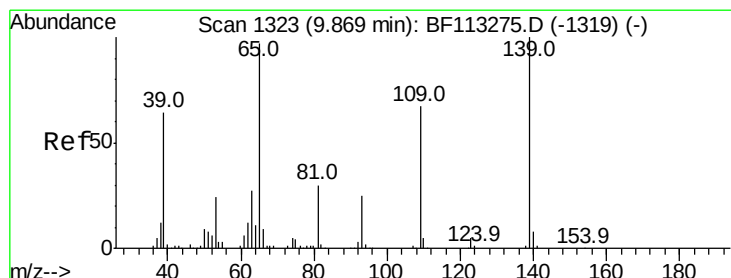
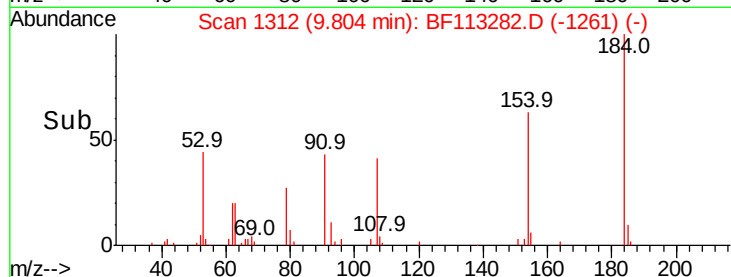
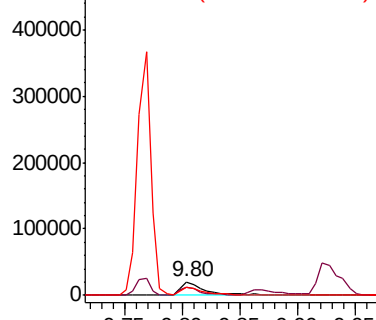
#54
2,4-Dinitrophenol
Concen: 11.016 ng
RT: 9.80 min Scan# 1312
Delta R.T. -0.00 min
Lab File: BF113282.D
Acq: 25 Mar 2019 16:35

Instrument :
BNA_F
ClientSampleId :
LOD-MDL-WATER-01-QT1-2019

Tot Ion	Ratio	Lower	Upper
184	100		
63	62.6	54.3	81.5
154	62.8	48.4	72.6

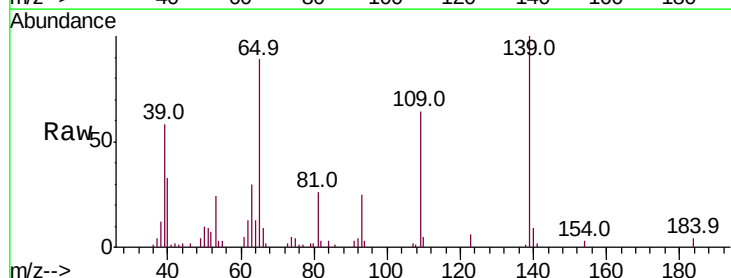


Abundance Ion 184.00 (183.70 to 184.70): E
Ion 63.00 (62.70 to 63.70): BF1
Ion 154.00 (153.70 to 154.70): E

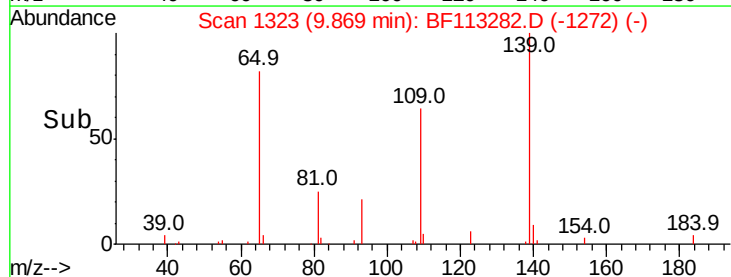
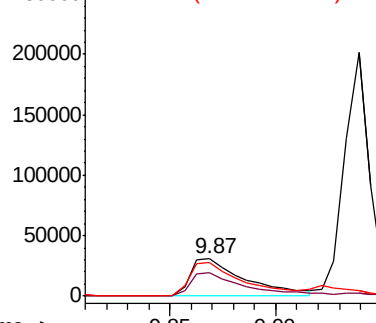


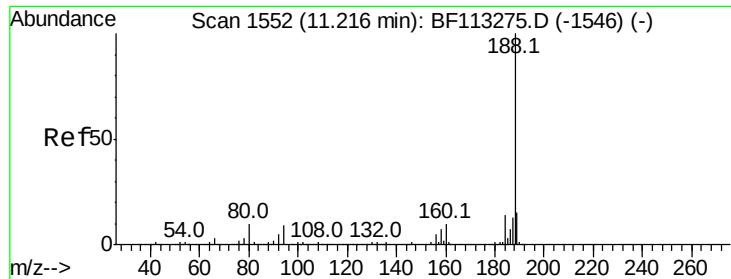
#56
4-Nitrophenol
Concen: 12.467 ng
RT: 9.87 min Scan# 1323
Delta R.T. -0.00 min
Lab File: BF113282.D
Acq: 25 Mar 2019 16:35

Tgt Ion	Ratio	Lower	Upper
139	100		
109	64.2	46.9	86.9
65	89.5	77.2	117.2



Abundance Ion 139.00 (138.70 to 139.70): E
Ion 109.00 (108.70 to 109.70): E
Ion 65.00 (64.70 to 65.70): BF1





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.21 min Scan# 1551

Delta R.T. -0.01 min

Lab File: BF113282.D

Acq: 25 Mar 2019 16:35

Instrument :

BNA_F

ClientSampleId :

LOD-MDL-WATER-01-QT1-2019

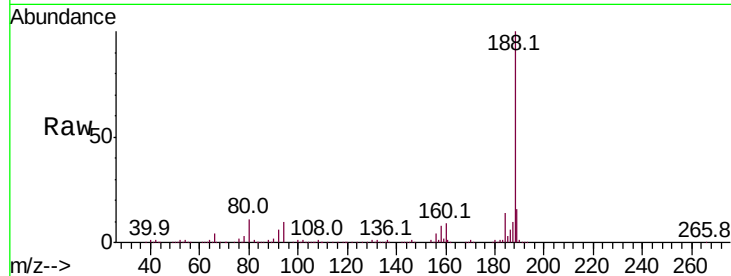
Tot Ion:188 Resp: 656925

Ion Ratio Lower Upper

188 100

94 10.3 7.0 10.6

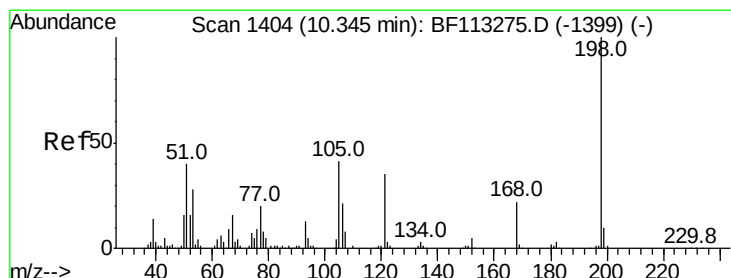
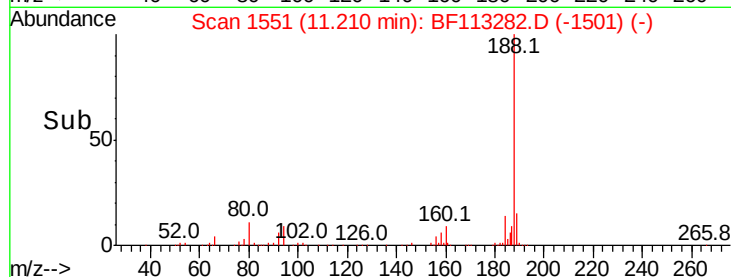
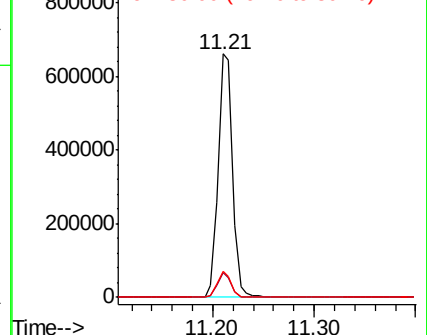
80 10.9 7.7 11.5



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1



#65

4,6-Dinitro-2-methylphenol

Concen: 12.087 ng

RT: 10.34 min Scan# 1403

Delta R.T. -0.01 min

Lab File: BF113282.D

Acq: 25 Mar 2019 16:35

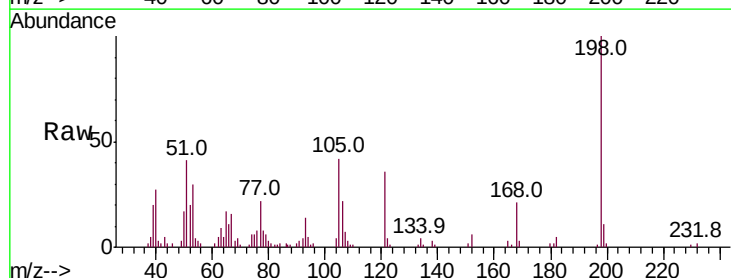
Tgt Ion:198 Resp: 43436

Ion Ratio Lower Upper

198 100

51 41.4 21.6 61.6

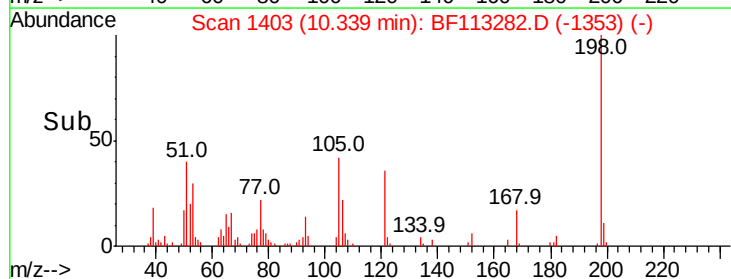
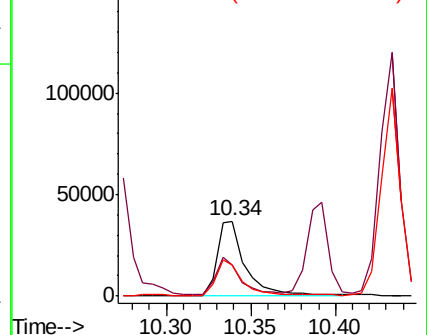
105 41.6 20.6 60.6

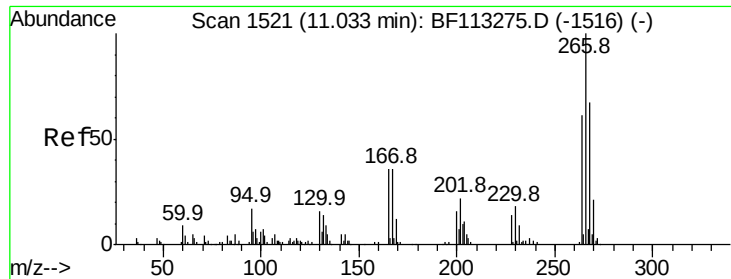


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF1

Ion 105.00 (104.70 to 105.70): E

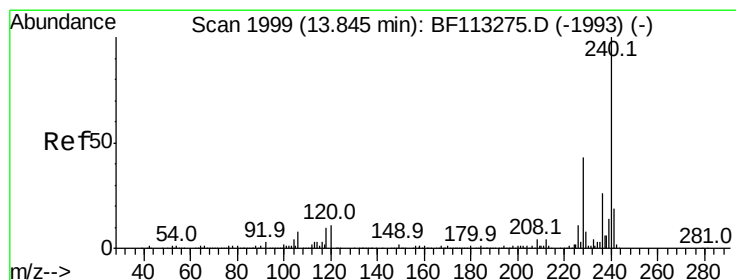
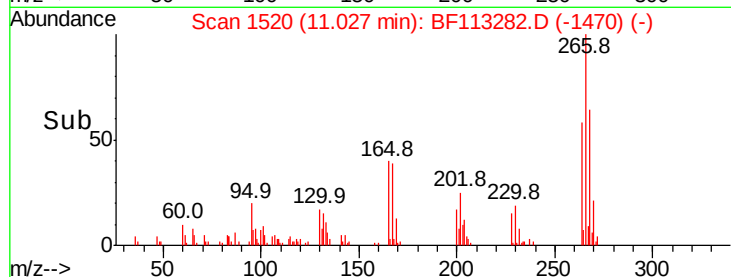
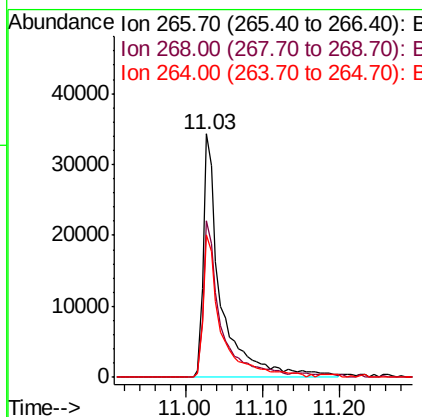
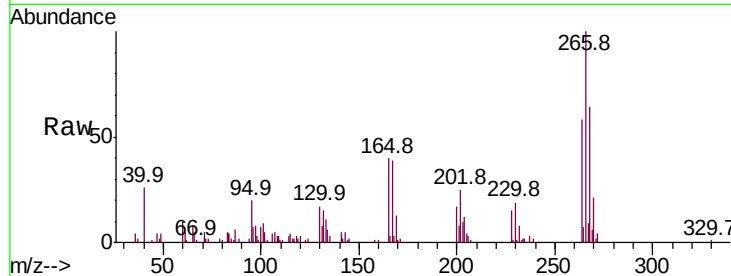




#70
 Pentachlorophenol
 Concen: 12.642 ng
 RT: 11.03 min Scan# 1520
 Delta R.T. -0.01 min
 Lab File: BF113282.D
 Acq: 25 Mar 2019 16:35

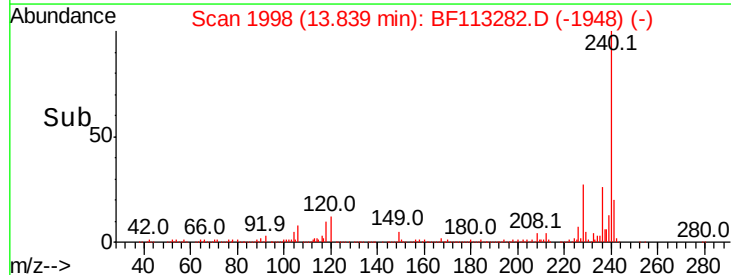
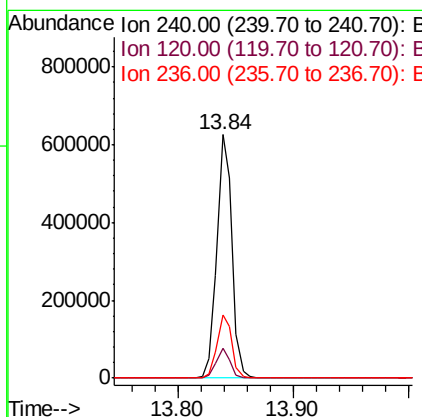
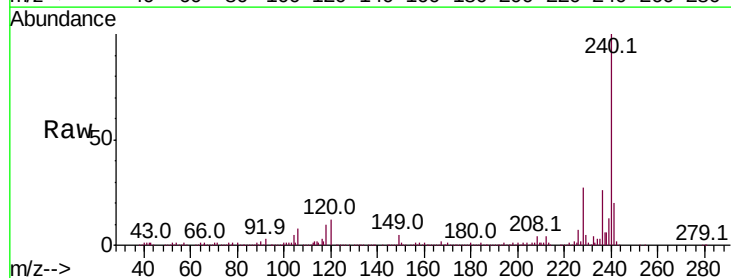
Instrument :
 BNA_F
 ClientSampleId :
 LOD-MDL-WATER-01-QT1-2019

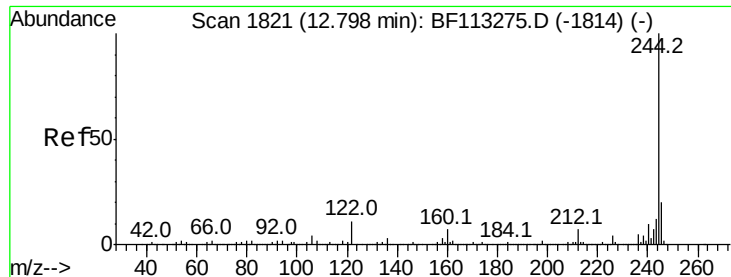
Tot Ion:266 Resp: 54739
 Ion Ratio Lower Upper
 266 100
 268 64.2 53.8 80.6
 264 58.4 49.2 73.8



#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 13.84 min Scan# 1998
 Delta R.T. -0.01 min
 Lab File: BF113282.D
 Acq: 25 Mar 2019 16:35

Tgt Ion:240 Resp: 565585
 Ion Ratio Lower Upper
 240 100
 120 12.1 8.8 13.2
 236 26.2 20.9 31.3





#79

Terphenyl-d14

Concen: 65.703 ng

RT: 12.79 min Scan# 1820

Delta R.T. -0.01 min

Lab File: BF113282.D

Acq: 25 Mar 2019 16:35

Instrument :

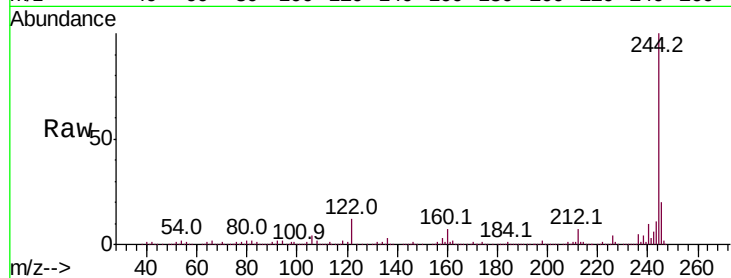
BNA_F

ClientSampleId :

LOD-MDL-WATER-01-QT1-2019

Tot Ion:244 Resp: 1685926

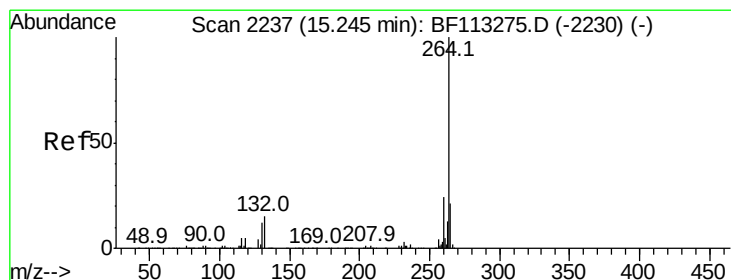
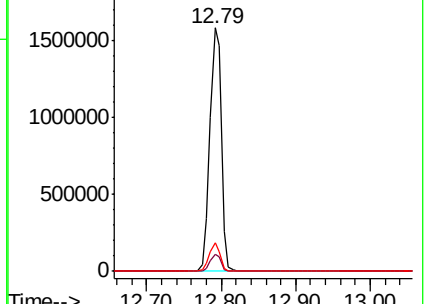
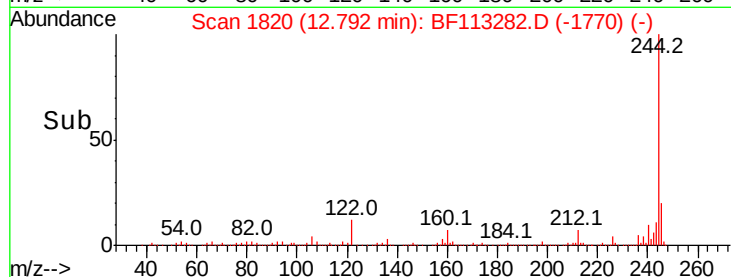
Ion	Ratio	Lower	Upper
244	100		
212	6.8	5.5	8.3
122	11.5	8.6	13.0



Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#87

Perylene-d12

Concen: 20.000 ng

RT: 15.24 min Scan# 2236

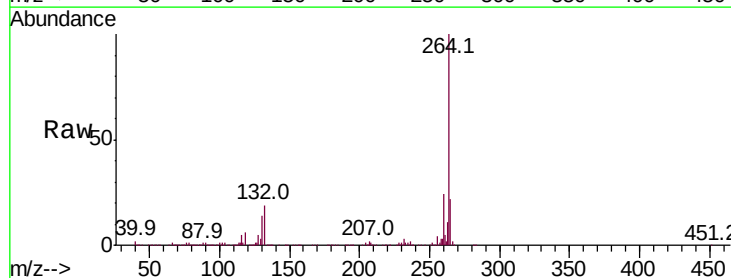
Delta R.T. -0.01 min

Lab File: BF113282.D

Acq: 25 Mar 2019 16:35

Tgt Ion:264 Resp: 526511

Ion	Ratio	Lower	Upper
264	100		
260	24.2	19.1	28.7
265	22.0	17.1	25.7



Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

