

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF080818\
 Data File : BF108027.D
 Acq On : 8 Aug 2018 18:44
 Operator : JU/SJ
 Sample : J3762-07
 Misc : LOD 1 PPM
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 LOD-MDL-WATER-01-QT3-2018

Quant Time: Aug 09 07:17:10 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF080818.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Aug 08 12:24:24 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.01	152	275415	20.00	ng	0.00
21) Naphthalene-d8	8.30	136	1101832	20.00	ng	0.00
38) Acenaphthene-d10	10.06	164	591392	20.00	ng	0.00
63) Phenanthrene-d10	11.55	188	1223883	20.00	ng	0.00
75) Chrysene-d12	14.21	240	1099065	20.00	ng	-0.01
86) Perylene-d12	15.77	264	925661	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.64	112	1935904	127.26	ng	0.00
7) Phenol-d6	6.63	99	2577191	127.49	ng	0.00
23) Nitrobenzene-d5	7.58	82	1690832	85.63	ng	0.00
41) 2,4,6-Tribromophenol	10.85	330	828938	140.52	ng	0.00
44) 2-Fluorobiphenyl	9.38	172	3057423	83.00	ng	0.00
78) Terphenyl-d14	13.15	244	3683022	85.20	ng	0.00

Target Compounds

						Qvalue
6) Aniline	6.68	93	15872	0.577	ng	98
8) 2-Chlorophenol	6.80	128	17903	1.045	ng	# 78
9) Benzaldehyde	6.57	77	14668	0.936	ng	89
10) Phenol	6.64	94	21499	1.028	ng	# 1
11) bis(2-Chloroethyl)ether	6.74	93	17579	1.040	ng	97
12) 1,3-Dichlorobenzene	6.95	146	20775	1.049	ng	96
13) 1,4-Dichlorobenzene	7.03	146	21806	1.096	ng	97
14) 1,2-Dichlorobenzene	7.18	146	19498	1.053	ng	99
15) Benzyl Alcohol	7.17	79	41518	2.440	ng	# 41
16) 2,2'-oxybis(1-Chloropropan	7.28	45	36874	1.059	ng	96
18) Hexachloroethane	7.53	117	7439	1.050	ng	99
24) Nitrobenzene	7.59	77	25965	1.300	ng	93
31) Naphthalene	8.32	128	56703	1.132	ng	98
34) Hexachlorobutadiene	8.43	225	12033	1.122	ng	95
37) 2-Methylnaphthalene	9.01	142	39994	1.128	ng	97
39) 1,2,4,5-Tetrachlorobenzene	9.17	216	18738	1.032	ng	95
45) 1,1'-Biphenyl	9.47	154	54781	1.256	ng	98
46) 2-Chloronaphthalene	9.50	162	37506	1.088	ng	97
48) Acenaphthylene	9.92	152	62474	1.147	ng	97
49) Dimethylphthalate	9.76	163	43410	1.054	ng	99
50) 2,6-Dinitrotoluene	9.83	165	7299	0.847	ng	92
51) Acenaphthene	10.09	154	37785	1.132	ng	99
54) Dibenzofuran	10.27	168	55733	1.153	ng	96
57) Fluorene	10.61	166	43926	1.148	ng	99
58) 2,3,4,6-Tetrachlorophenol	10.38	232	7473	0.721	ng	# 90
59) Diethylphthalate	10.47	149	42819	1.073	ng	100
62) Azobenzene	10.76	77	44400	1.078	ng	95
65) n-Nitrosodiphenylamine	10.71	169	38056	1.052	ng	93
66) 4-Bromophenyl-phenylether	11.09	248	13920	1.047	ng	92
67) Hexachlorobenzene	11.15	284	14638	1.046	ng	92
68) Atrazine	11.23	200	11763	0.970	ng	92
70) Phenanthrene	11.58	178	70094	1.214	ng	98
71) Anthracene	11.63	178	67829	1.146	ng	99
72) Carbazole	11.78	167	56397	1.073	ng	97

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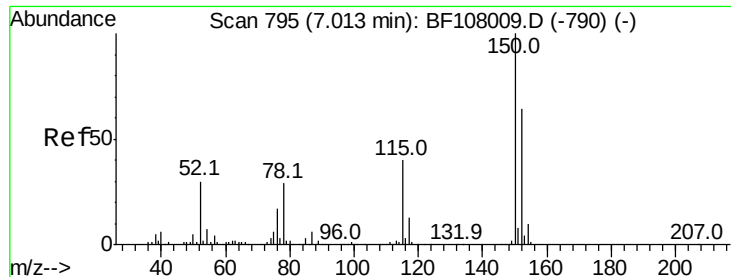
Instrument :
 BNA_F
 ClientSampleId :
 LOD-MDL-WATER-01-QT3-2018

Quant Time: Aug 09 07:17:10 2018
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

73) Di-n-butylphthalate	12.11	149	60641	1.018	nq	98
74) Fluoranthene	12.77	202	73358	1.164	nq	96
77) Pyrene	13.01	202	74604	1.072	nq	96
79) Butylbenzylphthalate	13.61	149	19472	0.705	nq	97
80) Benzo(a)anthracene	14.19	228	70551	1.119	nq	94
82) Chrysene	14.24	228	66606	1.152	nq	98
83) Bis(2-ethylhexyl)phthalate	14.17	149	28898	0.772	nq	99
84) Di-n-octyl phthalate	14.79	149	36505	0.640	nq	# 92
85) Indeno(1,2,3-cd)pyrene	17.37	276	40814	0.815	nq	# 93
87) Benzo(b)fluoranthene	15.29	252	52573	0.950	nq	95
88) Benzo(k)fluoranthene	15.32	252	52416	1.031	nq	# 94
89) Benzo(a)pyrene	15.69	252	45541	0.919	nq	95
90) Dibenzo(a,h)anthracene	17.39	278	33617	0.820	nq	# 94
91) Benzo(q,h,i)perylene	17.86	276	33438	0.829	nq	# 87

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

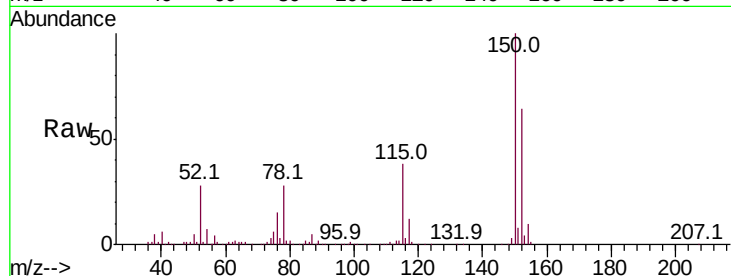


#1

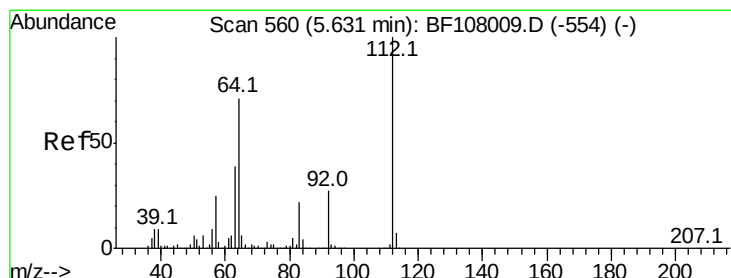
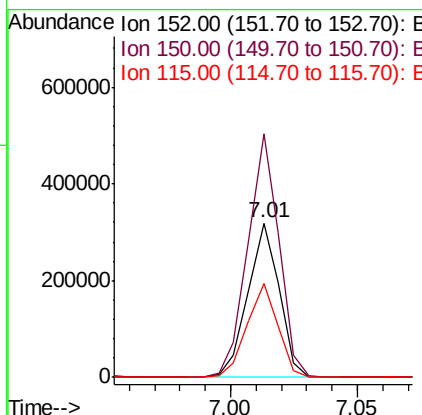
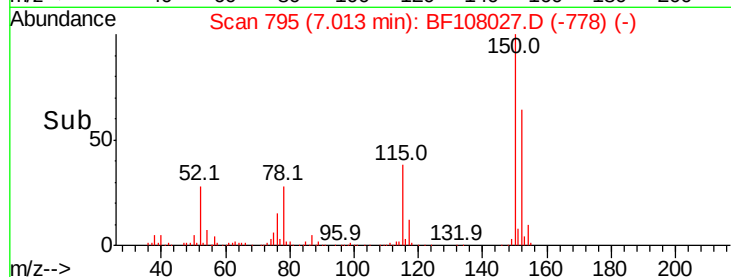
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.01 min Scan# 795
Delta R.T. 0.00 min
Lab File: BF108027.D
Acq: 8 Aug 2018 18:44

Instrument :
BNA_F
ClientSampleId :
LOD-MDL-WATER-01-QT3-2018

Tot Ion:152 Resp: 275415
Ion Ratio Lower Upper
152 100
150 157.4 124.6 186.8
115 60.5 50.1 75.1



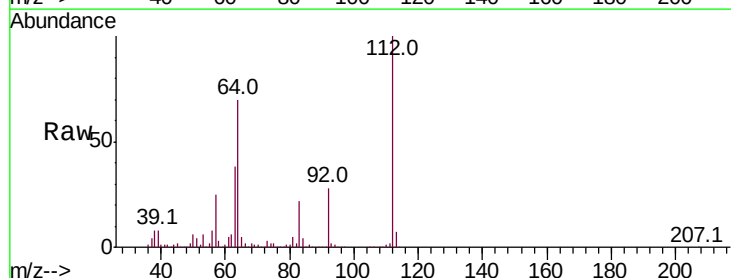
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



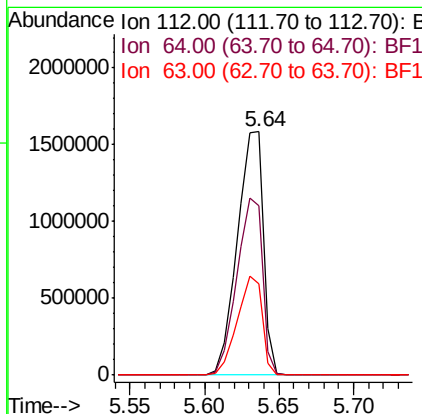
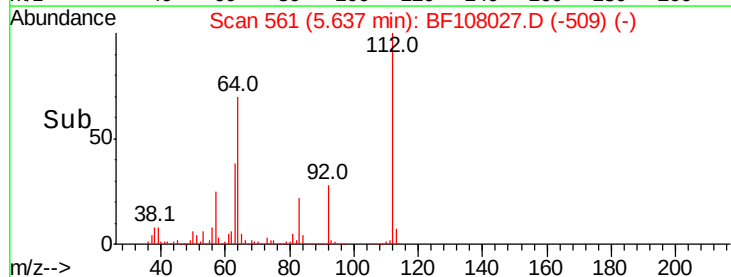
#5

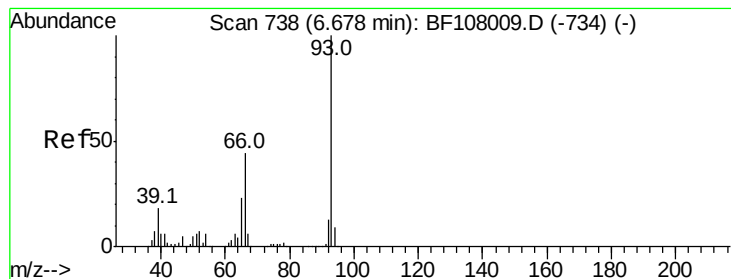
2-Fluorophenol
Concen: 127.258 ng
RT: 5.64 min Scan# 561
Delta R.T. 0.01 min
Lab File: BF108027.D
Acq: 8 Aug 2018 18:44

Tgt Ion:112 Resp: 1935904
Ion Ratio Lower Upper
112 100
64 69.6 47.9 71.9
63 37.6 23.7 35.5#



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: 0.577 ng

RT: 6.68 min Scan# 738

Delta R.T. 0.00 min

Lab File: BF108027.D

Acq: 8 Aug 2018 18:44

Instrument :

BNA_F

ClientSampleId :

LOD-MDL-WATER-01-QT3-2018

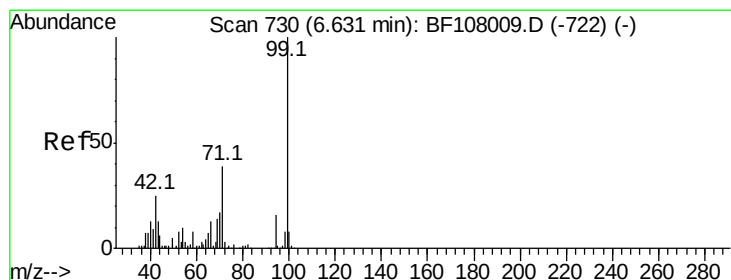
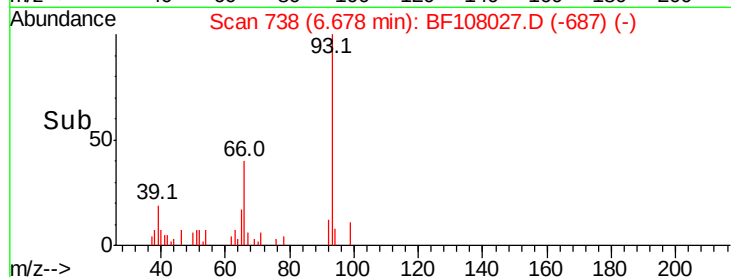
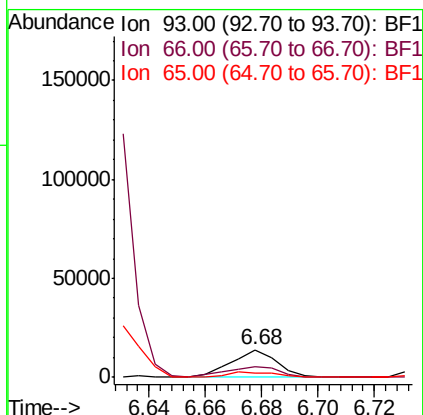
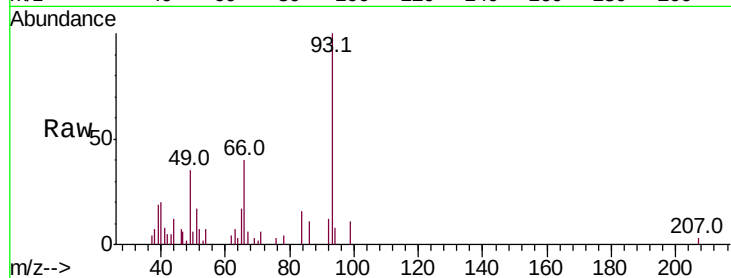
Tot Ion: 93 Resp: 15872

Ion Ratio Lower Upper

93 100

66 40.1 32.2 48.2

65 17.3 16.4 24.6



#7

Phenol-d6

Concen: 127.487 ng

RT: 6.63 min Scan# 730

Delta R.T. 0.00 min

Lab File: BF108027.D

Acq: 8 Aug 2018 18:44

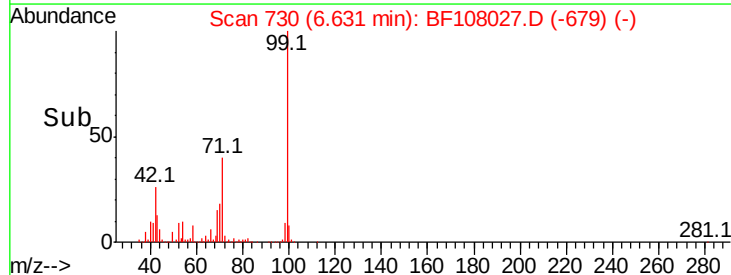
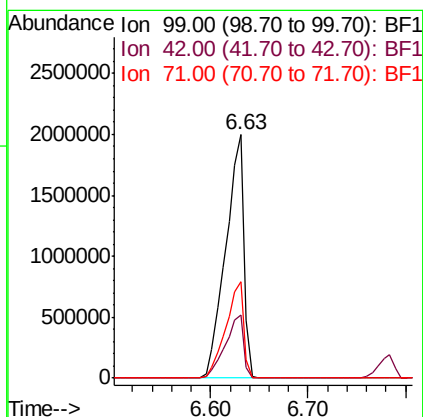
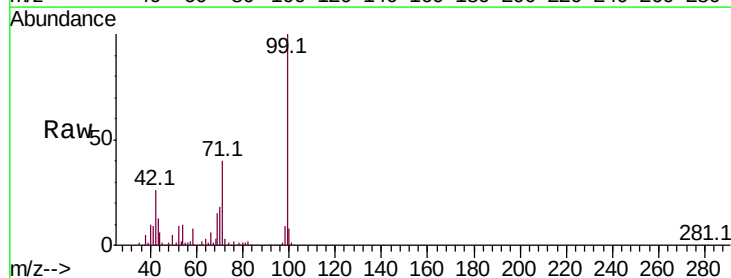
Tgt Ion: 99 Resp: 2577191

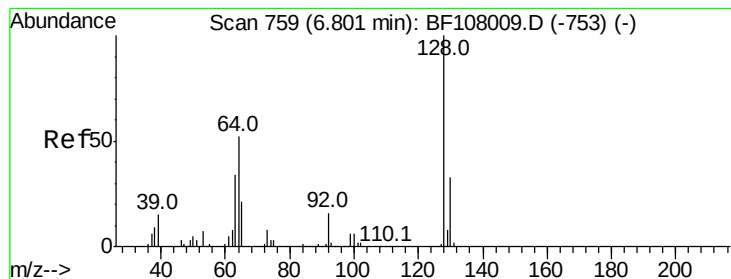
Ion Ratio Lower Upper

99 100

42 25.9 14.5 21.7#

71 39.8 25.4 38.0#





#8

2-Chlorophenol

Concen: 1.045 ng

RT: 6.80 min Scan# 758

Delta R.T. -0.01 min

Lab File: BF108027.D

Acq: 8 Aug 2018 18:44

Instrument :

BNA_F

ClientSampleId :

LOD-MDL-WATER-01-QT3-2018

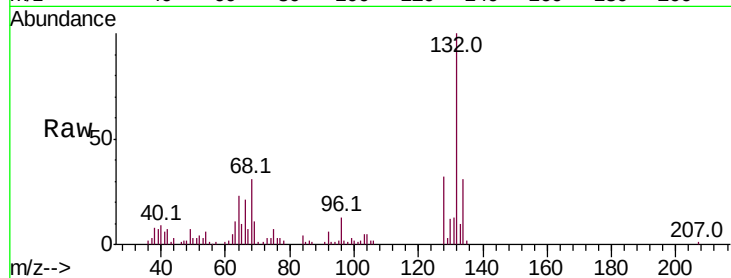
Tot Ion:128 Resp: 17903

Ion Ratio Lower Upper

128 100

130 37.0 13.0 53.0

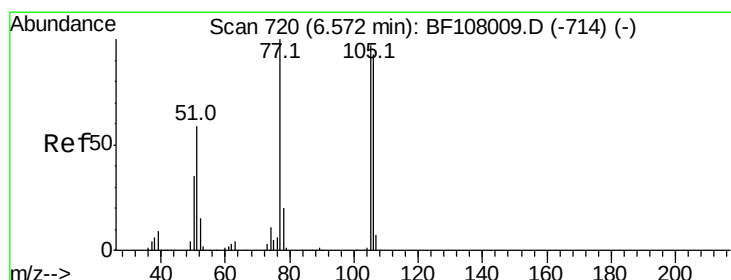
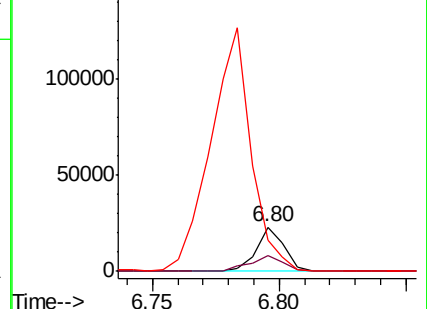
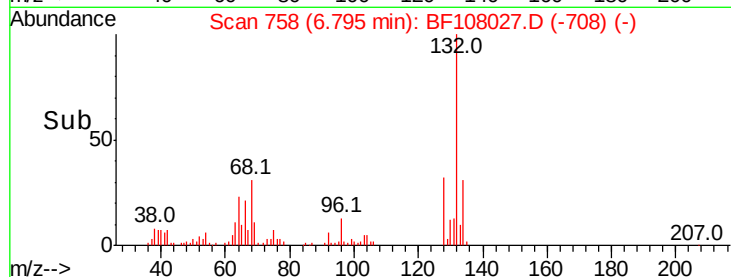
64 71.4 29.4 69.4#



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 130.00 (129.70 to 130.70): E

Ion 64.00 (63.70 to 64.70): BF1



#9

Benzaldehyde

Concen: 0.936 ng

RT: 6.57 min Scan# 719

Delta R.T. -0.01 min

Lab File: BF108027.D

Acq: 8 Aug 2018 18:44

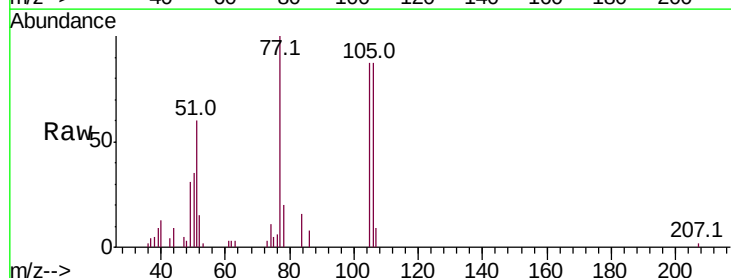
Tgt Ion: 77 Resp: 14668

Ion Ratio Lower Upper

77 100

105 86.8 81.1 121.1

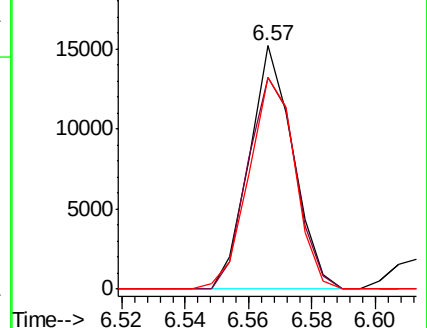
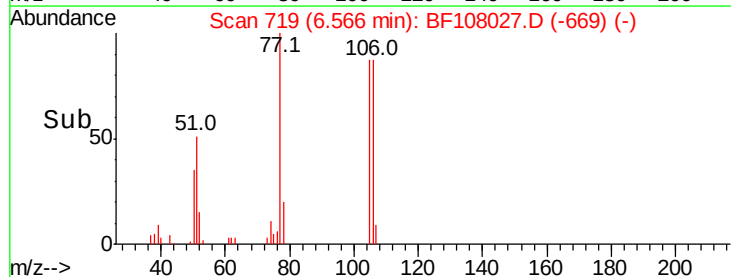
106 87.1 74.5 114.5

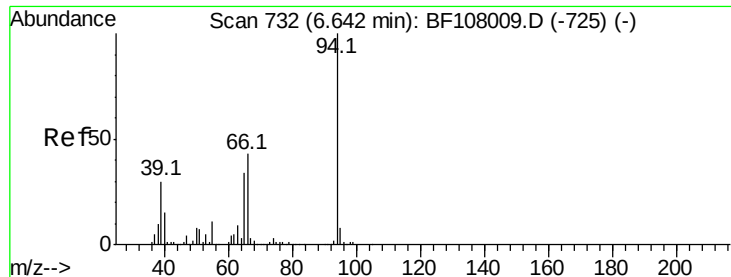


Abundance Ion 77.00 (76.70 to 77.70): BF1

Ion 105.00 (104.70 to 105.70): E

Ion 106.00 (105.70 to 106.70): E

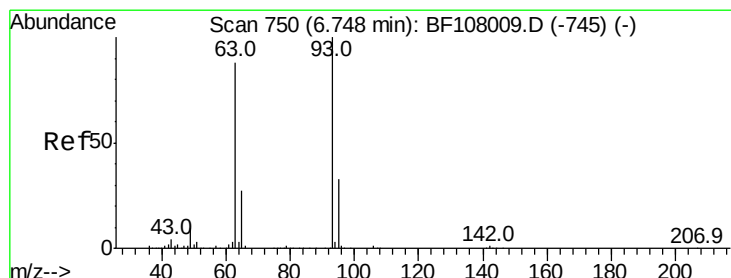
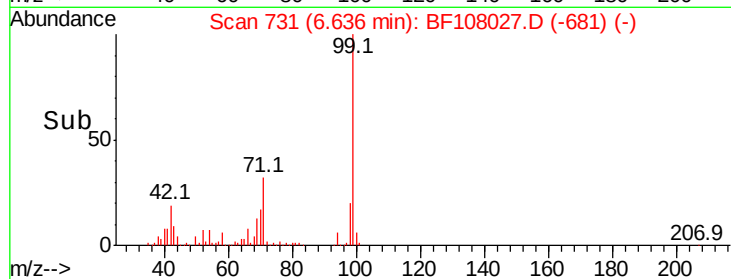
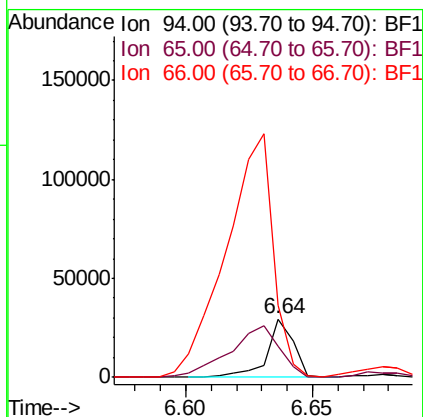
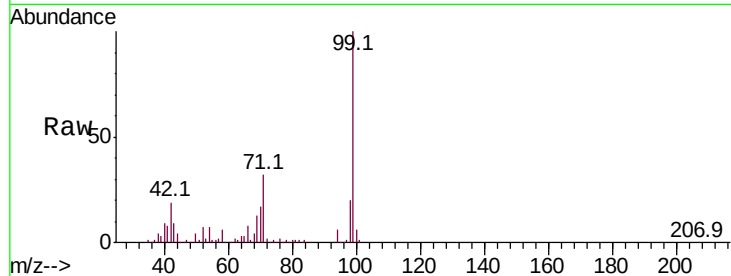




#10
Phenol
Concen: 1.028 ng
RT: 6.64 min Scan# 731
Delta R.T. -0.01 min
Lab File: BF108027.D
Acq: 8 Aug 2018 18:44

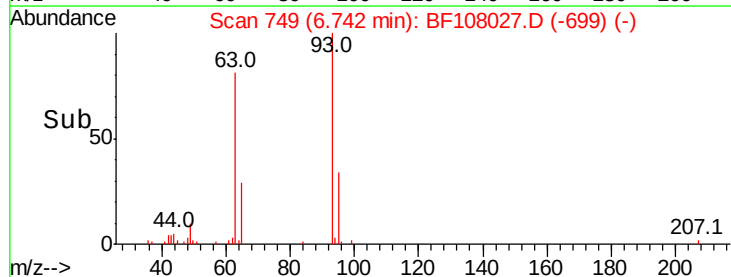
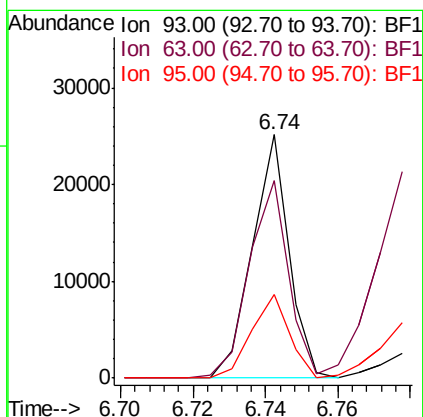
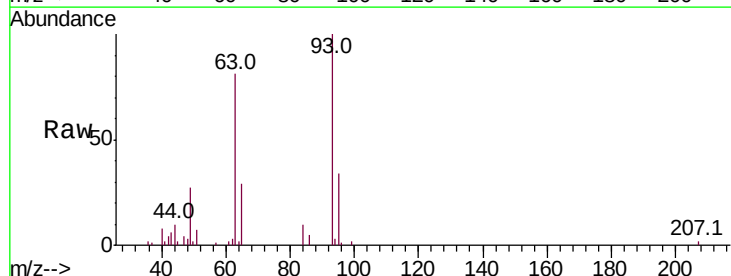
Instrument :
BNA_F
ClientSampleId :
LOD-MDL-WATER-01-QT3-2018

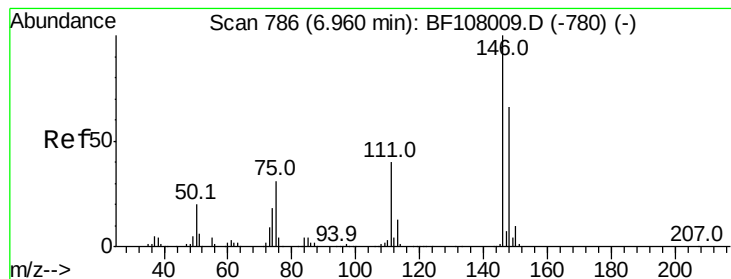
Tot Ion: 94 Resp: 21499
Ion Ratio Lower Upper
94 100
65 52.6 7.9 47.9#
66 122.5 16.2 56.2#



#11
bis(2-Chloroethyl)ether
Concen: 1.040 ng
RT: 6.74 min Scan# 749
Delta R.T. -0.01 min
Lab File: BF108027.D
Acq: 8 Aug 2018 18:44

Tgt Ion: 93 Resp: 17579
Ion Ratio Lower Upper
93 100
63 81.0 58.6 98.6
95 34.2 11.8 51.8





#12

1,3-Dichlorobenzene

Concen: 1.049 ng

RT: 6.95 min Scan# 785

Delta R.T. -0.01 min

Lab File: BF108027.D

Acq: 8 Aug 2018 18:44

Instrument :

BNA_F

ClientSampleId :

LOD-MDL-WATER-01-QT3-2018

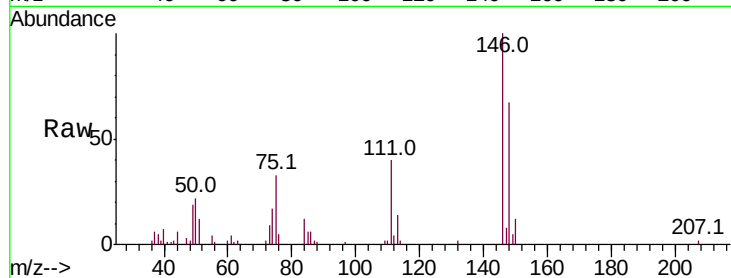
Tot Ion:146 Resp: 20775

Ion Ratio Lower Upper

146 100

148 67.2 51.8 77.8

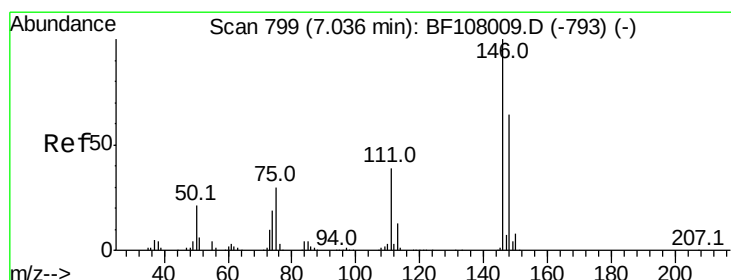
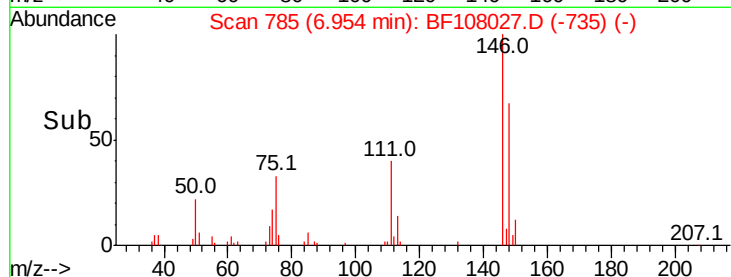
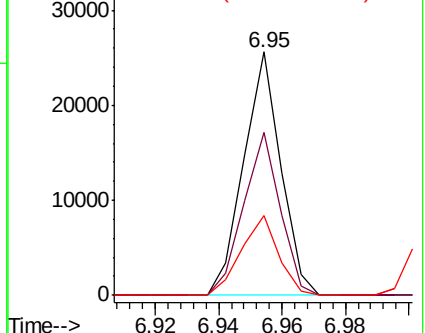
75 32.9 24.2 36.4



Abundance Ion 146.00 (145.70 to 146.70): E

Ion 148.00 (147.70 to 148.70): E

Ion 75.00 (74.70 to 75.70): BF1



#13

1,4-Dichlorobenzene

Concen: 1.096 ng

RT: 7.03 min Scan# 798

Delta R.T. -0.01 min

Lab File: BF108027.D

Acq: 8 Aug 2018 18:44

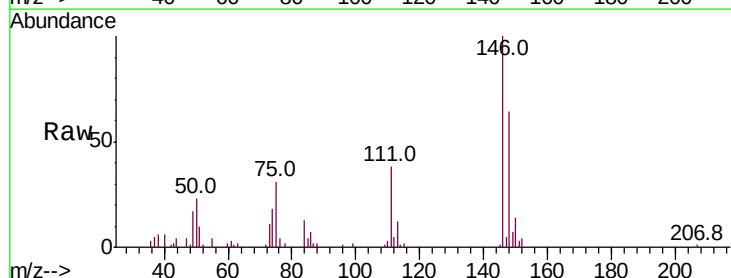
Tgt Ion:146 Resp: 21806

Ion Ratio Lower Upper

146 100

148 63.5 50.8 76.2

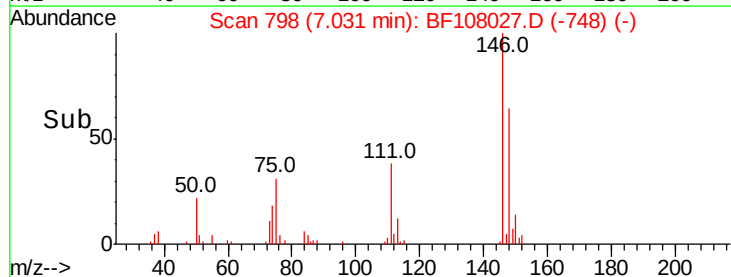
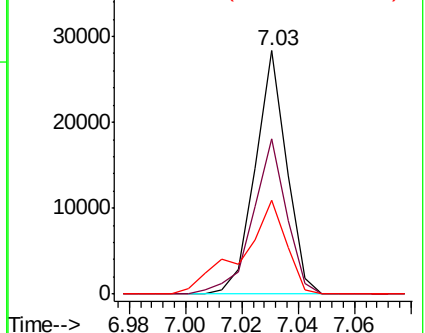
111 38.5 34.2 51.2

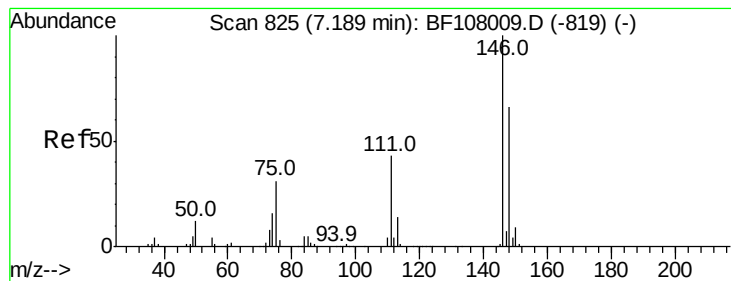


Abundance Ion 146.00 (145.70 to 146.70): E

Ion 148.00 (147.70 to 148.70): E

Ion 111.00 (110.70 to 111.70): E





#14

1,2-Dichlorobenzene

Concen: 1.053 ng

RT: 7.18 min Scan# 824

Delta R.T. -0.01 min

Lab File: BF108027.D

Acq: 8 Aug 2018 18:44

Instrument :

BNA_F

ClientSampleId :

LOD-MDL-WATER-01-QT3-2018

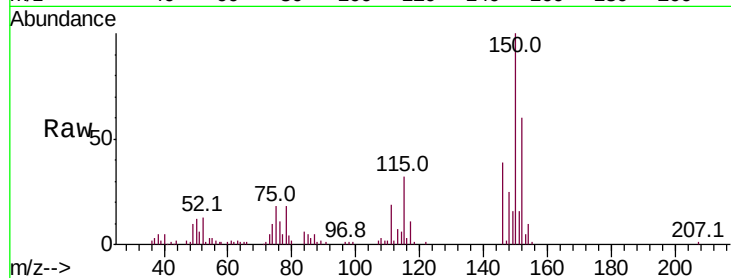
Tot Ion:146 Resp: 19498

Ion Ratio Lower Upper

146 100

148 63.3 50.6 75.8

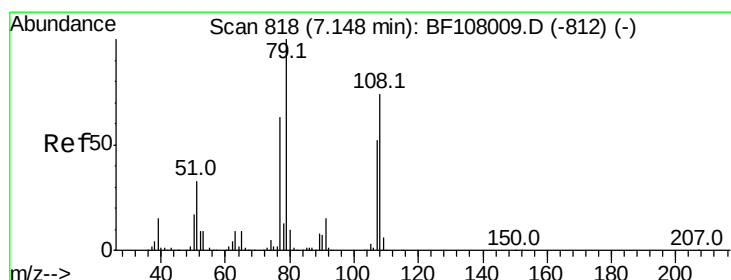
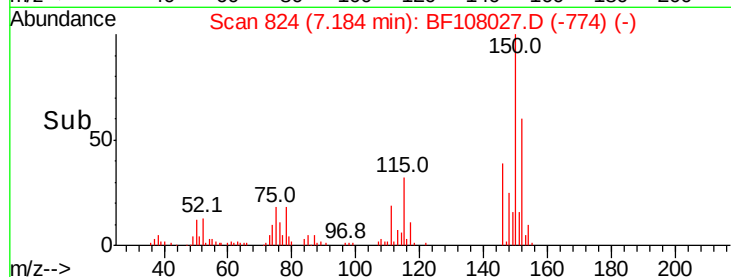
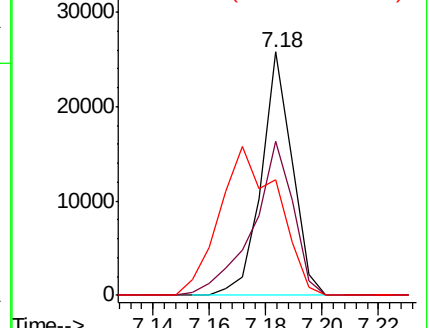
111 47.2 36.0 54.0



Abundance Ion 146.00 (145.70 to 146.70): E

Ion 148.00 (147.70 to 148.70): E

Ion 111.00 (110.70 to 111.70): E



#15

Benzyl Alcohol

Concen: 2.440 ng

RT: 7.17 min Scan# 822

Delta R.T. 0.02 min

Lab File: BF108027.D

Acq: 8 Aug 2018 18:44

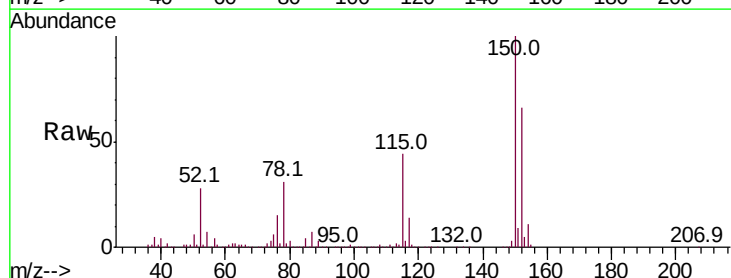
Tgt Ion: 79 Resp: 41518

Ion Ratio Lower Upper

79 100

108 31.6 65.1 97.7#

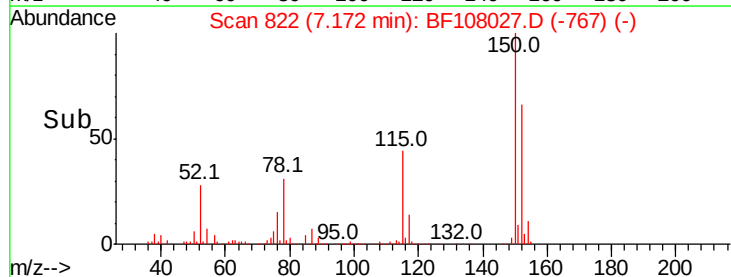
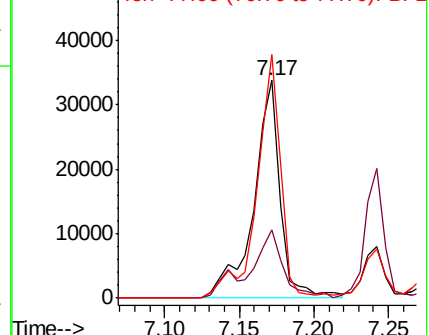
77 111.7 50.6 75.8#

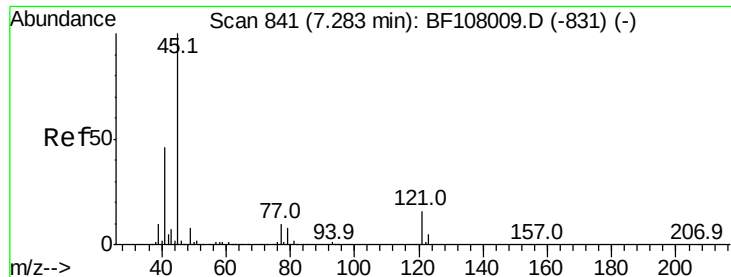


Abundance Ion 79.00 (78.70 to 79.70): BF1

Ion 108.00 (107.70 to 108.70): E

Ion 77.00 (76.70 to 77.70): BF1

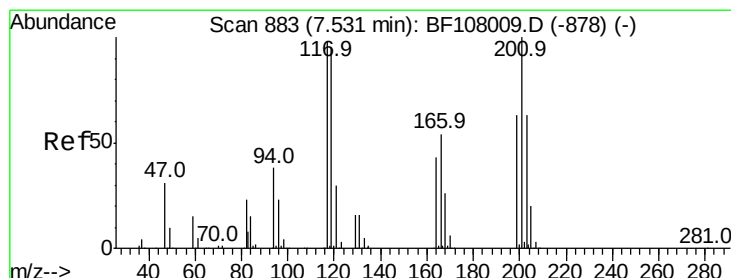
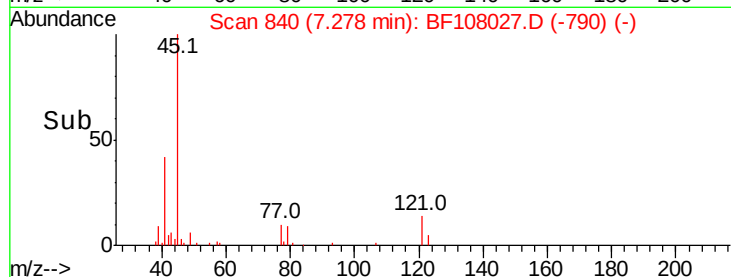
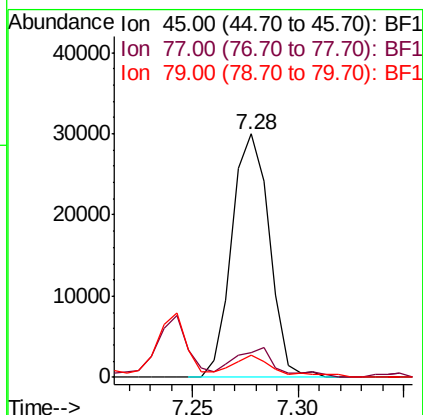
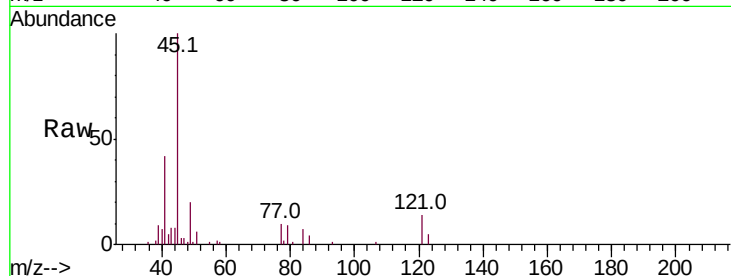




#16
2,2'-oxvbis(1-Chloropropane)
Concen: 1.059 ng
RT: 7.28 min Scan# 840
Delta R.T. -0.01 min
Lab File: BF108027.D
Acq: 8 Aug 2018 18:44

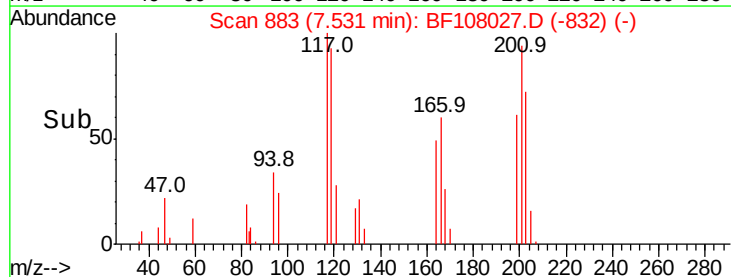
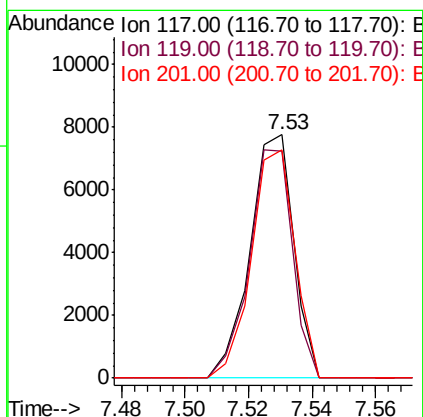
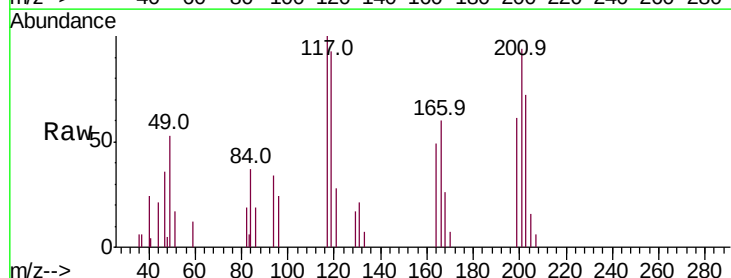
Instrument :
BNA_F
ClientSampleId :
LOD-MDL-WATER-01-QT3-2018

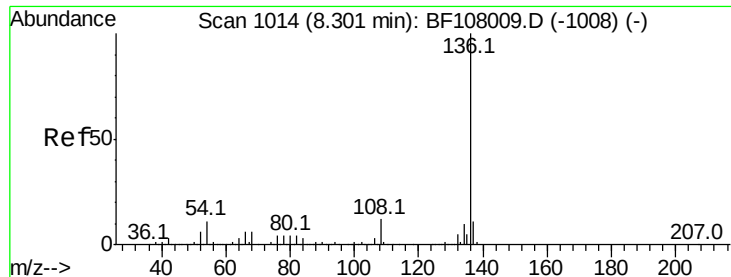
Tot Ion: 45 Resp: 36874
Ion Ratio Lower Upper
45 100
77 10.3 0.0 32.9
79 9.0 0.0 29.6



#18
Hexachloroethane
Concen: 1.050 ng
RT: 7.53 min Scan# 883
Delta R.T. 0.00 min
Lab File: BF108027.D
Acq: 8 Aug 2018 18:44

Tgt Ion: 117 Resp: 7439
Ion Ratio Lower Upper
117 100
119 93.1 75.8 113.8
201 93.6 75.7 113.5

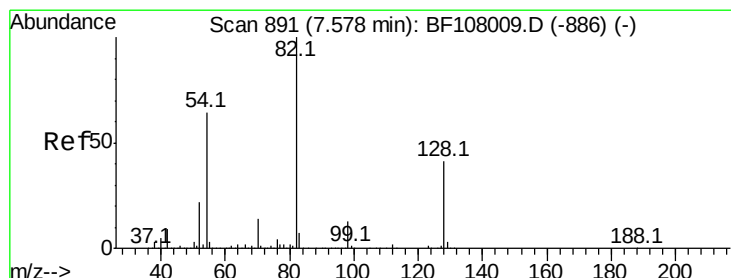
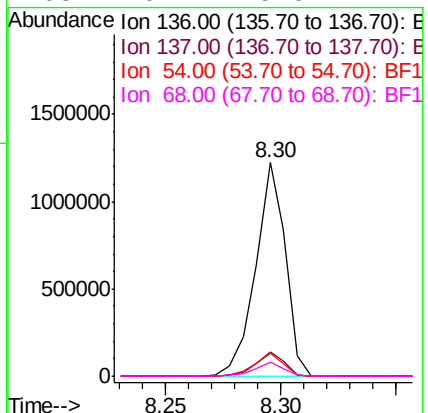
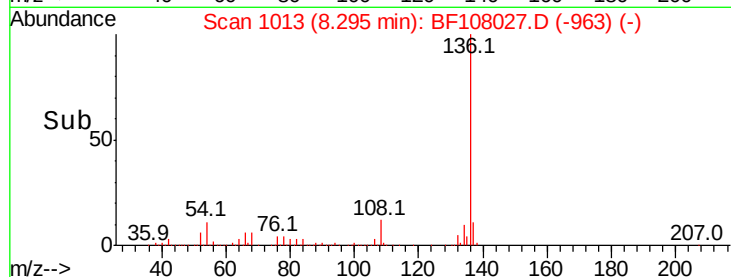
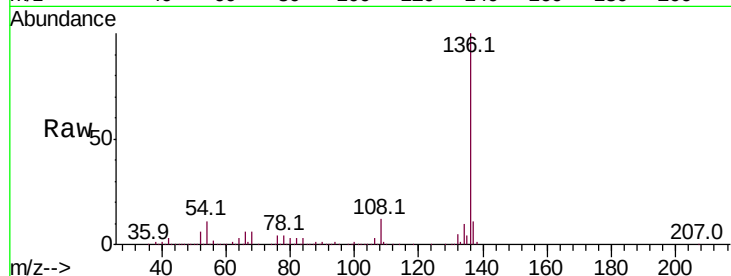




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.30 min Scan# 1013
Delta R.T. -0.01 min
Lab File: BF108027.D
Acq: 8 Aug 2018 18:44

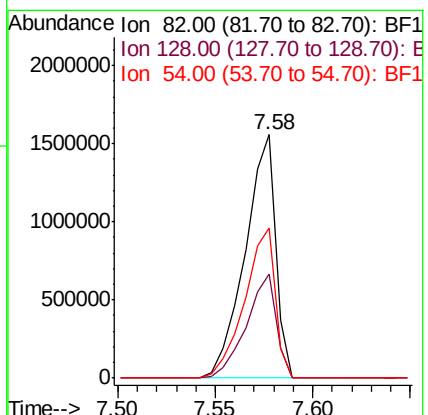
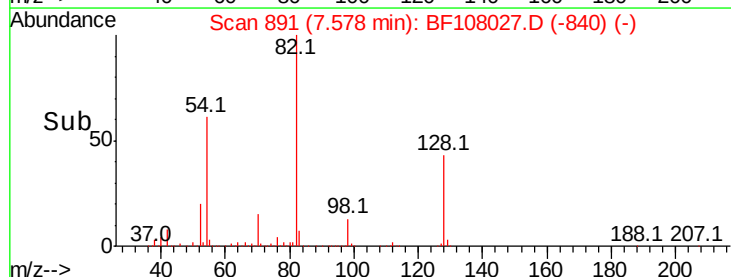
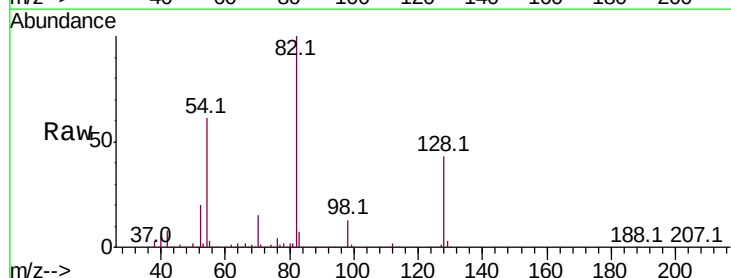
Instrument :
BNA_F
ClientSampleId :
LOD-MDL-WATER-01-QT3-2018

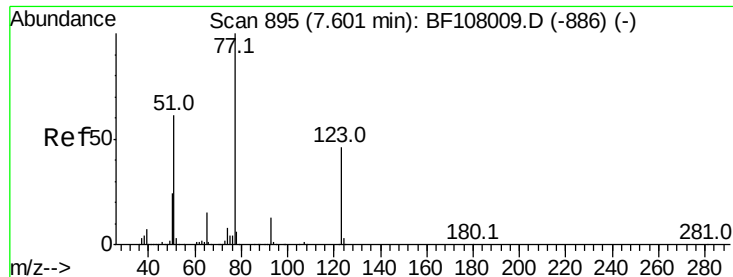
Tot Ion:136	Resp: 1101832
Ion Ratio	Lower Upper
136 100	
137 11.4	8.9 13.3
54 10.8	6.6 9.8#
68 6.4	5.0 7.4



#23
Nitrobenzene-d5
Concen: 85.631 ng
RT: 7.58 min Scan# 891
Delta R.T. 0.00 min
Lab File: BF108027.D
Acq: 8 Aug 2018 18:44

Tgt Ion: 82	Ratio	Resp: 1690832	
Ion 82	100	Lower	Upper
128	42.9	36.1	54.1
54	61.5	41.4	62.2





#24

Nitrobenzene

Concen: 1.300 ng

RT: 7.59 min Scan# 893

Delta R.T. -0.01 min

Lab File: BF108027.D

Acq: 8 Aug 2018 18:44

Instrument :

BNA_F

ClientSampleId :

LOD-MDL-WATER-01-QT3-2018

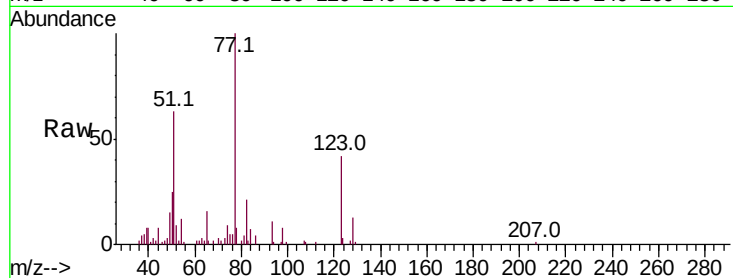
Tot Ion: 77 Resp: 25965

Ion Ratio Lower Upper

77 100

123 42.2 37.9 56.9

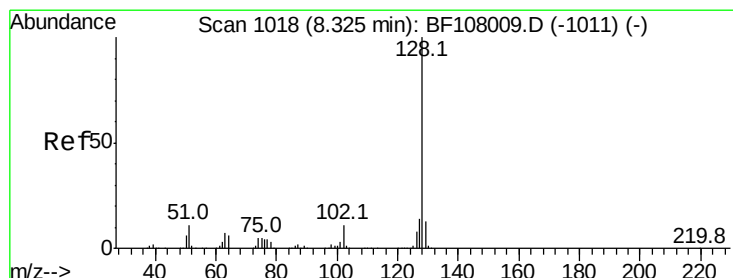
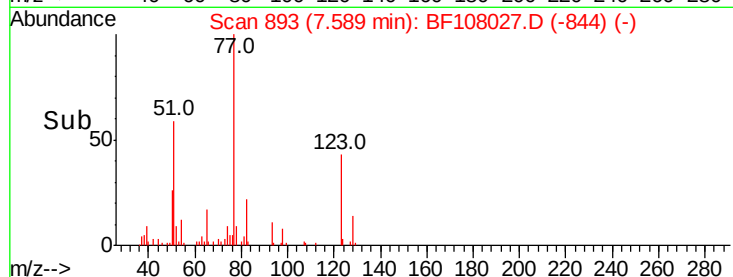
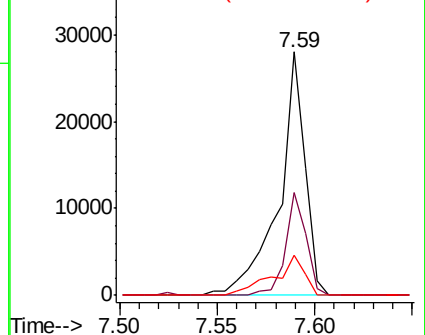
65 16.3 11.0 16.4



Abundance Ion 77.00 (76.70 to 77.70): BF1

Ion 123.00 (122.70 to 123.70): E

Ion 65.00 (64.70 to 65.70): BF1



#31

Naphthalene

Concen: 1.132 ng

RT: 8.32 min Scan# 1017

Delta R.T. -0.01 min

Lab File: BF108027.D

Acq: 8 Aug 2018 18:44

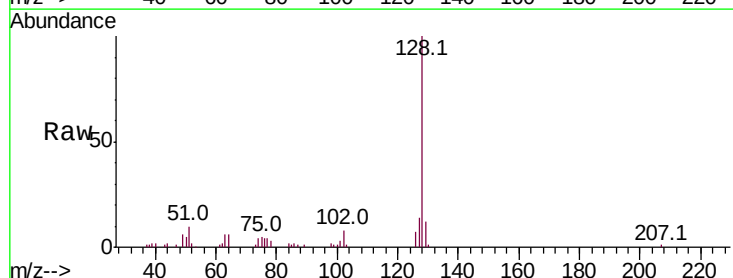
Tgt Ion: 128 Resp: 56703

Ion Ratio Lower Upper

128 100

129 11.7 8.8 13.2

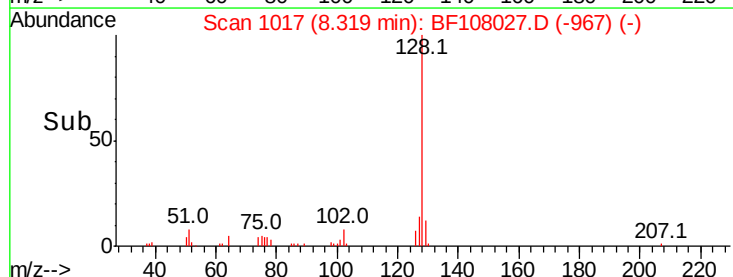
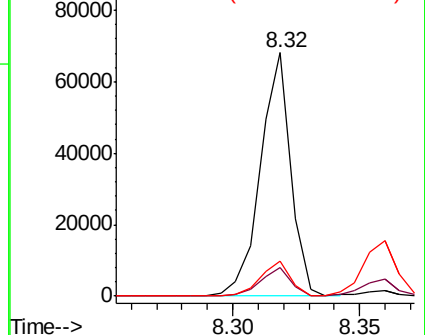
127 14.2 10.9 16.3

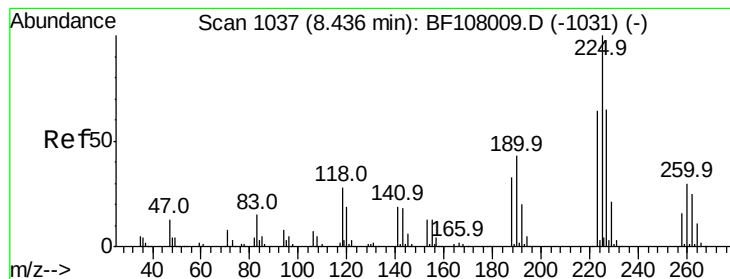


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E





#34

Hexachlorobutadiene

Concen: 1.122 ng

RT: 8.43 min Scan# 1036

Delta R.T. -0.01 min

Lab File: BF108027.D

Acq: 8 Aug 2018 18:44

Instrument :

BNA_F

ClientSampleId :

LOD-MDL-WATER-01-QT3-2018

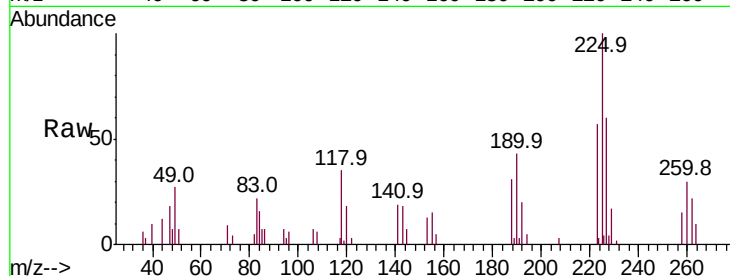
Tot Ion:225 Resp: 12033

Ion Ratio Lower Upper

225 100

223 56.8 50.6 76.0

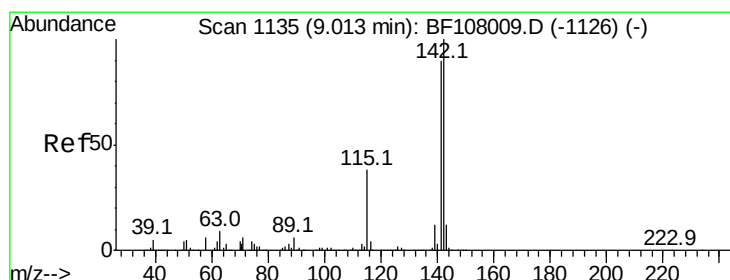
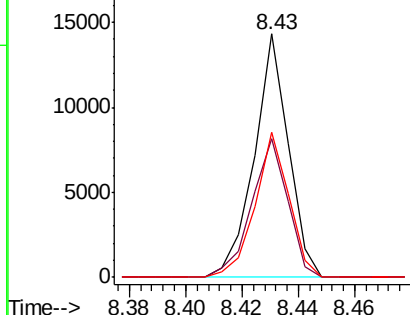
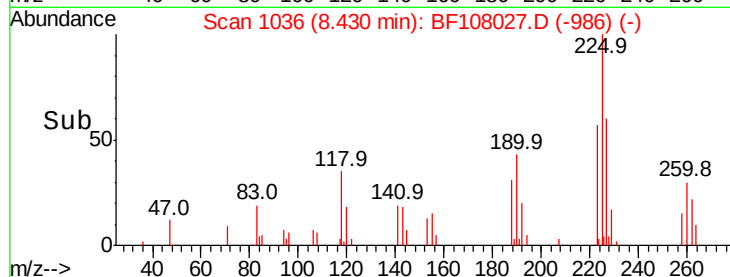
227 63.0 51.9 77.9



Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E



#37

2-Methylnaphthalene

Concen: 1.128 ng

RT: 9.01 min Scan# 1134

Delta R.T. -0.01 min

Lab File: BF108027.D

Acq: 8 Aug 2018 18:44

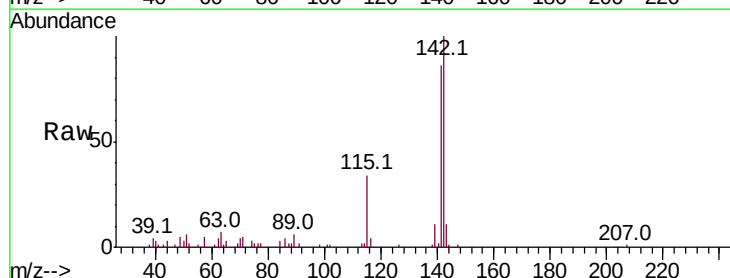
Tgt Ion:142 Resp: 39994

Ion Ratio Lower Upper

142 100

141 85.5 70.8 106.2

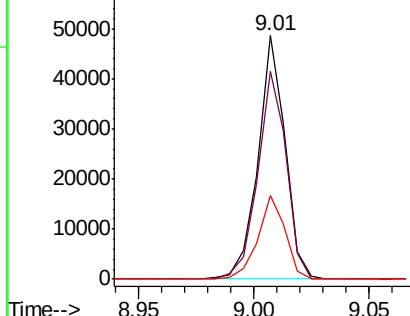
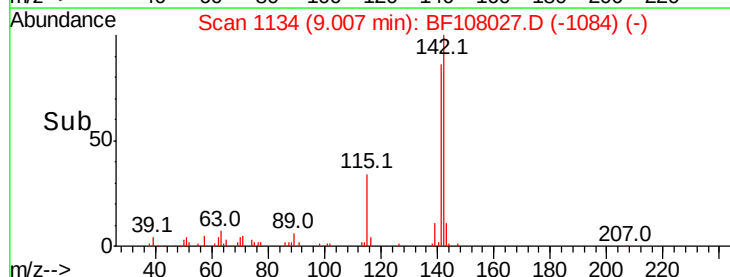
115 34.5 26.1 39.1

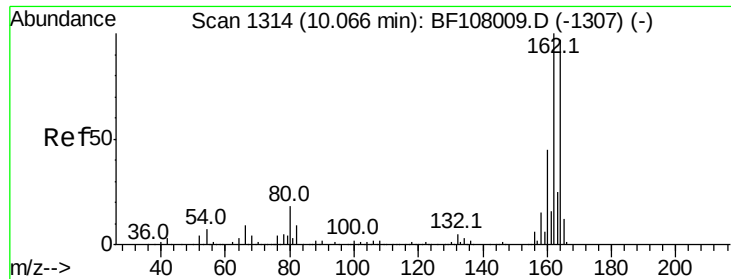


Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E

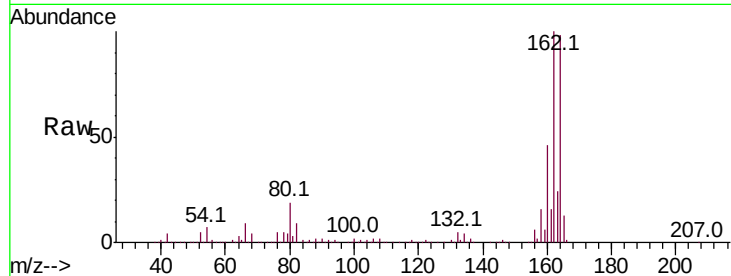




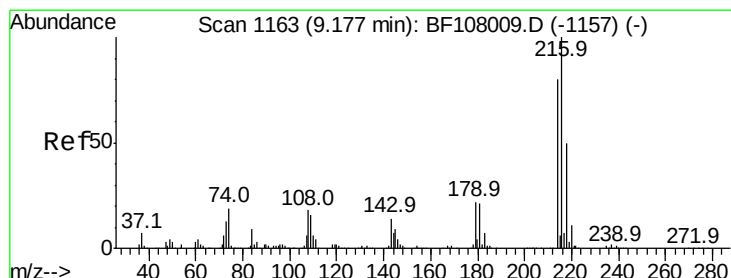
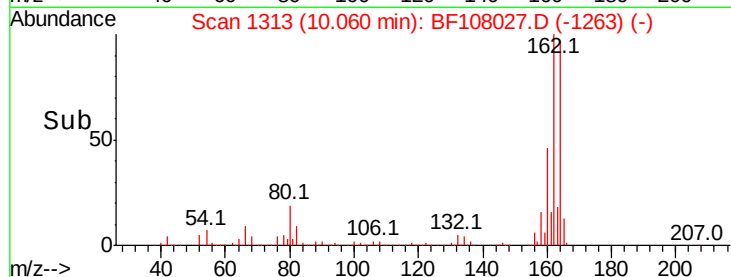
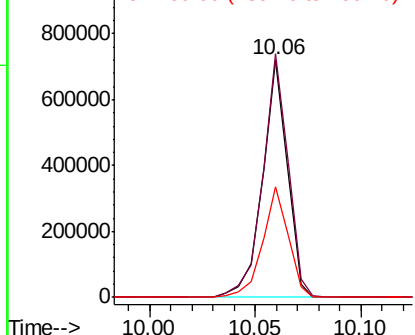
#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.06 min Scan# 1313
Delta R.T. -0.01 min
Lab File: BF108027.D
Acq: 8 Aug 2018 18:44

Instrument :
BNA_F
ClientSampleId :
LOD-MDL-WATER-01-QT3-2018

Tot Ion:164 Resp: 591392
Ion Ratio Lower Upper
164 100
162 102.6 86.1 129.1
160 46.7 38.3 57.5



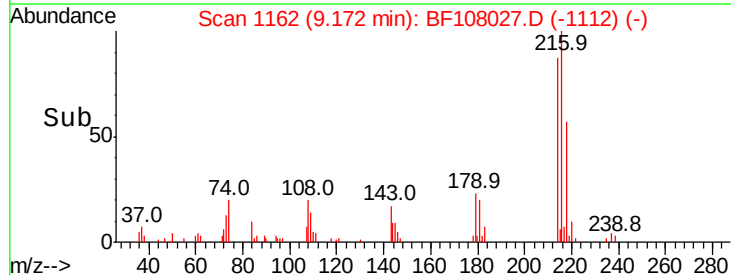
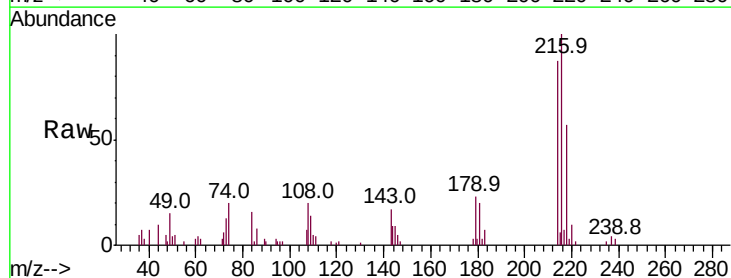
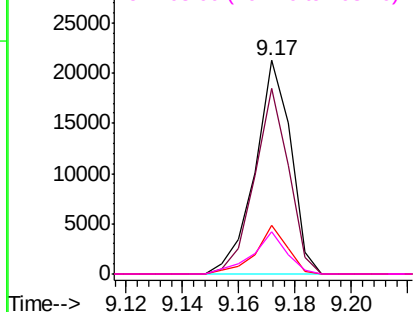
Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

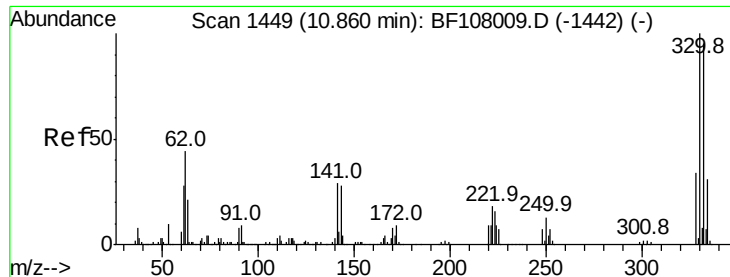


#39
1,2,4,5-Tetrachlorobenzene
Concen: 1.032 ng
RT: 9.17 min Scan# 1162
Delta R.T. -0.01 min
Lab File: BF108027.D
Acq: 8 Aug 2018 18:44

Tgt Ion:216 Resp: 18738
Ion Ratio Lower Upper
216 100
214 82.6 63.0 94.4
179 20.2 18.1 27.1
108 18.9 17.2 25.8

Abundance Ion 216.00 (215.70 to 216.70): E
Ion 214.00 (213.70 to 214.70): E
Ion 179.00 (178.70 to 179.70): E
Ion 108.00 (107.70 to 108.70): E

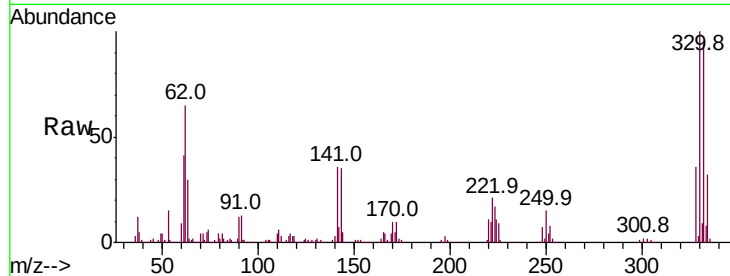




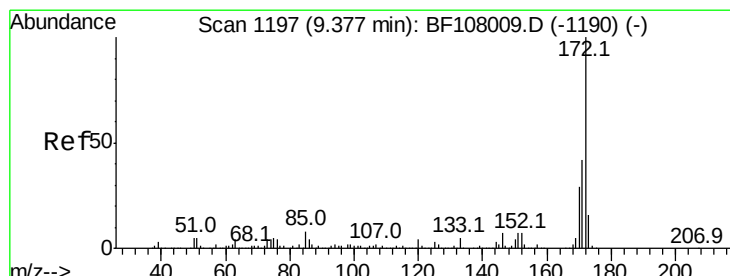
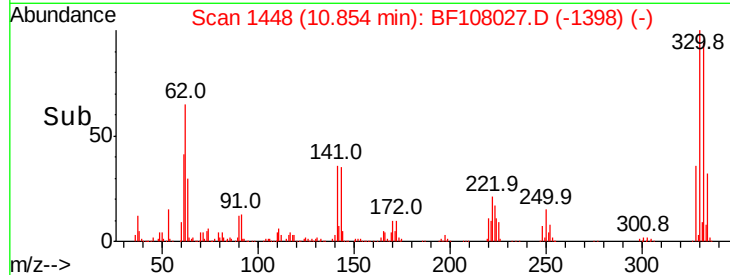
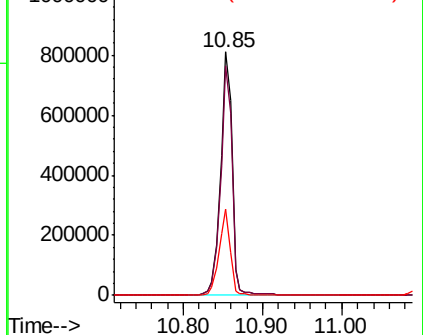
#41
 2,4,6-Tribromophenol
 Concen: 140.522 ng
 RT: 10.85 min Scan# 1448
 Delta R.T. -0.01 min
 Lab File: BF108027.D
 Acq: 8 Aug 2018 18:44

Instrument :
 BNA_F
 ClientSampleId :
 LOD-MDL-WATER-01-QT3-2018

Tot Ion:330 Resp: 828938
 Ion Ratio Lower Upper
 330 100
 332 92.9 77.0 115.6
 141 34.5 29.9 44.9

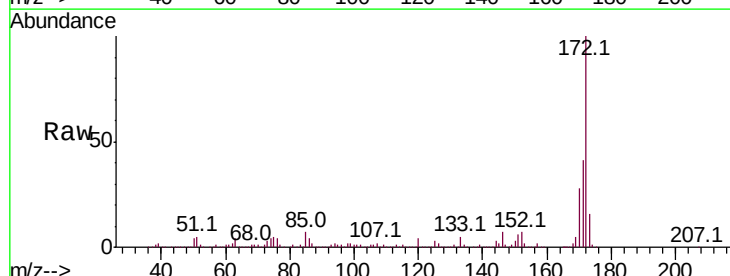


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

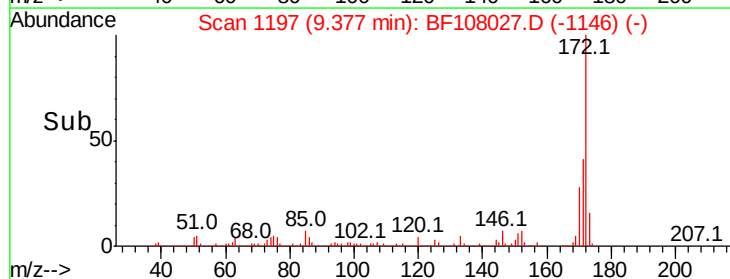
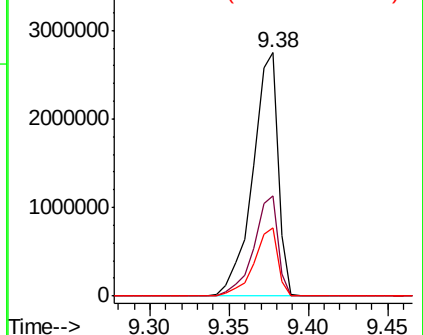


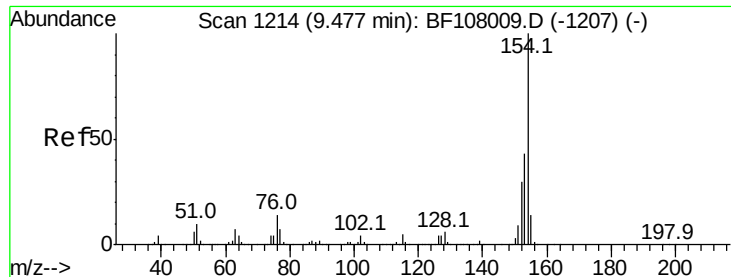
#44
 2-Fluorobiphenyl
 Concen: 83.001 ng
 RT: 9.38 min Scan# 1197
 Delta R.T. 0.00 min
 Lab File: BF108027.D
 Acq: 8 Aug 2018 18:44

Tgt Ion:172 Resp: 3057423
 Ion Ratio Lower Upper
 172 100
 171 41.3 29.7 44.5
 170 28.2 19.6 29.4



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





#45

1,1'-Biphenyl

Concen: 1.256 ng

RT: 9.47 min Scan# 1213

Delta R.T. -0.01 min

Lab File: BF108027.D

Acq: 8 Aug 2018 18:44

Instrument :

BNA_F

ClientSampleId :

LOD-MDL-WATER-01-QT3-2018

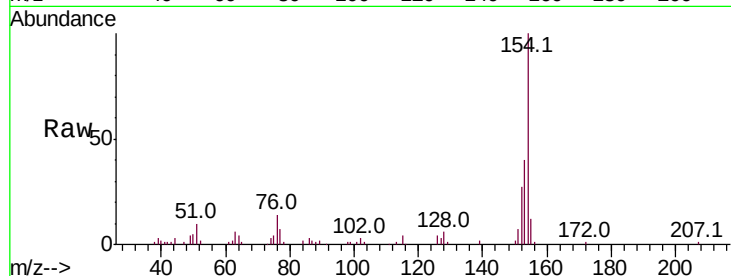
Tot Ion:154 Resp: 54781

Ion Ratio Lower Upper

154 100

153 39.7 21.3 61.3

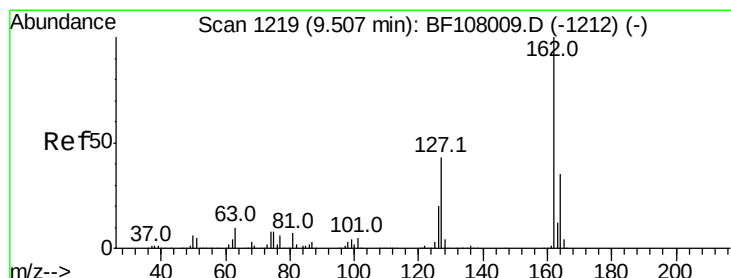
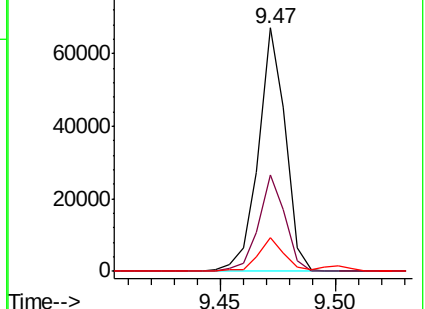
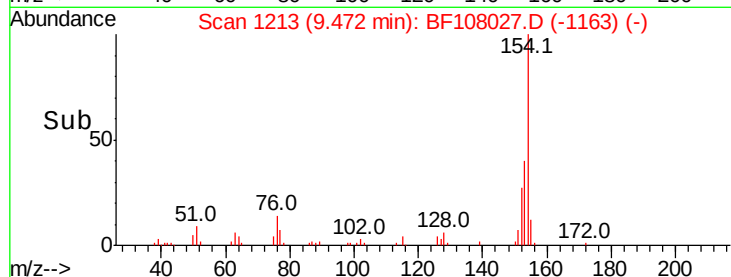
76 14.0 0.0 34.0



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 76.00 (75.70 to 76.70): BF1



#46

2-Chloronaphthalene

Concen: 1.088 ng

RT: 9.50 min Scan# 1218

Delta R.T. -0.01 min

Lab File: BF108027.D

Acq: 8 Aug 2018 18:44

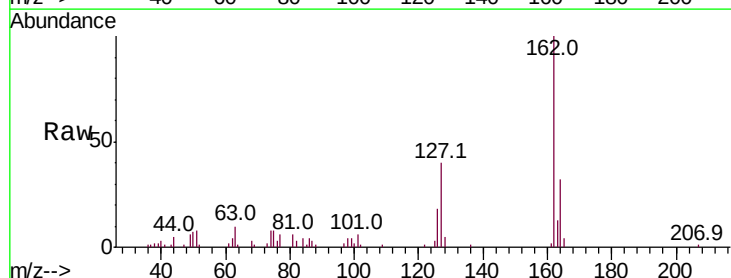
Tgt Ion:162 Resp: 37506

Ion Ratio Lower Upper

162 100

127 39.7 33.9 50.9

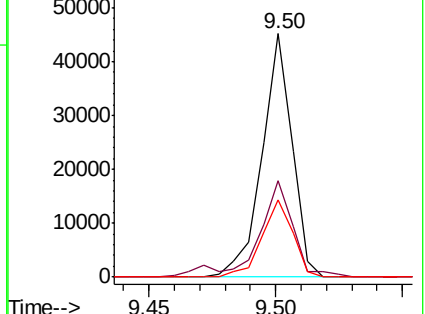
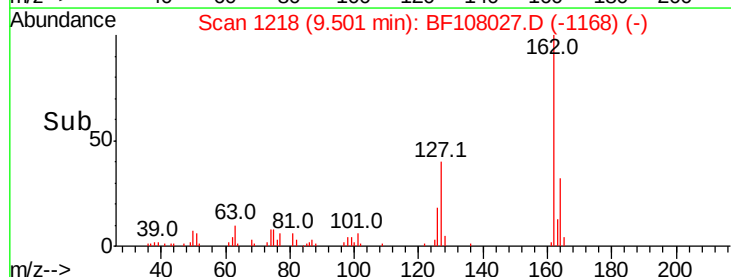
164 31.9 26.5 39.7

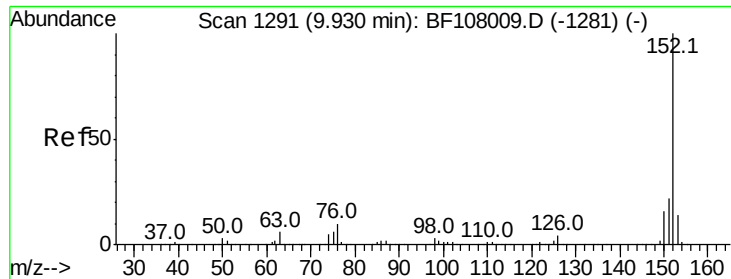


Abundance Ion 162.00 (161.70 to 162.70): E

Ion 127.00 (126.70 to 127.70): E

Ion 164.00 (163.70 to 164.70): E





#48

Acenaphthylene

Concen: 1.147 ng

RT: 9.92 min Scan# 1289

Delta R.T. -0.01 min

Lab File: BF108027.D

Acq: 8 Aug 2018 18:44

Instrument :

BNA_F

ClientSampleId :

LOD-MDL-WATER-01-QT3-2018

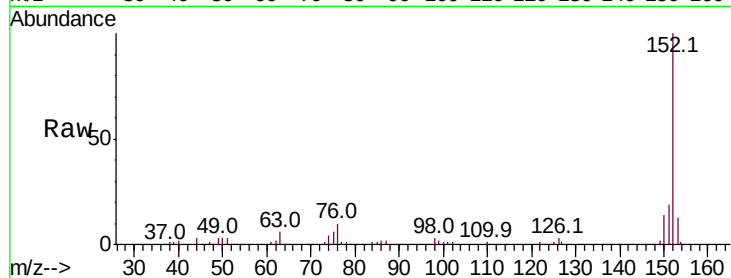
Tot Ion:152 Resp: 62474

Ion Ratio Lower Upper

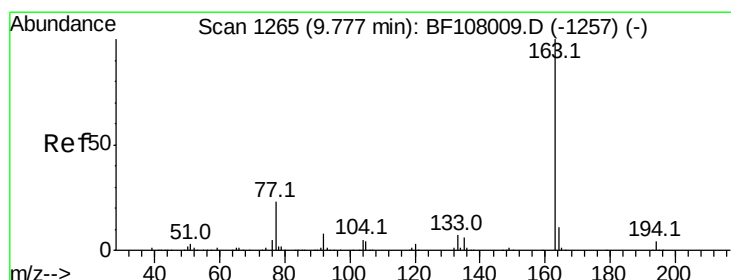
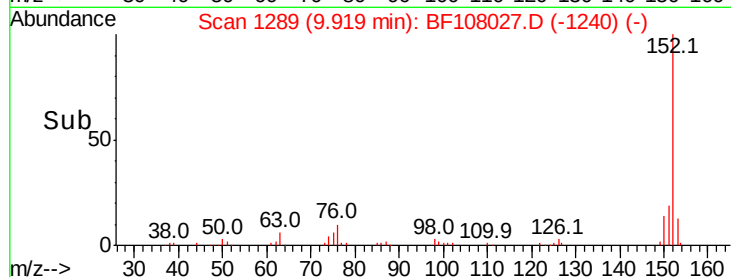
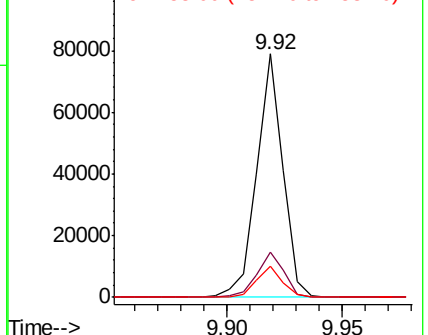
152 100

151 18.8 16.3 24.5

153 12.7 10.7 16.1



Abundance Ion 152.00 (151.70 to 152.70): E
Ion 151.00 (150.70 to 151.70): E
Ion 153.00 (152.70 to 153.70): E



#49

Dimethylphthalate

Concen: 1.054 ng

RT: 9.76 min Scan# 1262

Delta R.T. -0.02 min

Lab File: BF108027.D

Acq: 8 Aug 2018 18:44

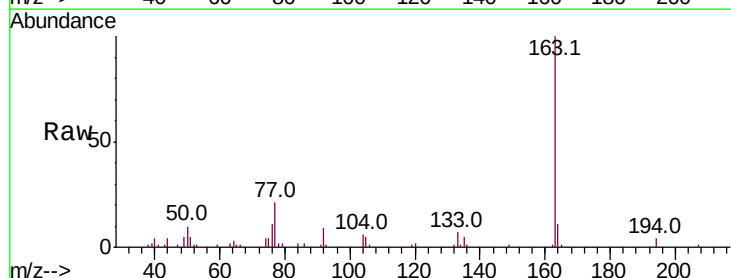
Tgt Ion:163 Resp: 43410

Ion Ratio Lower Upper

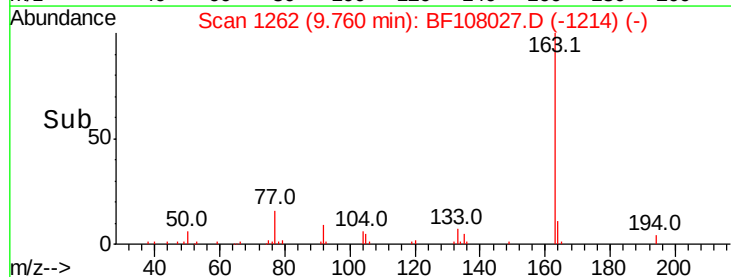
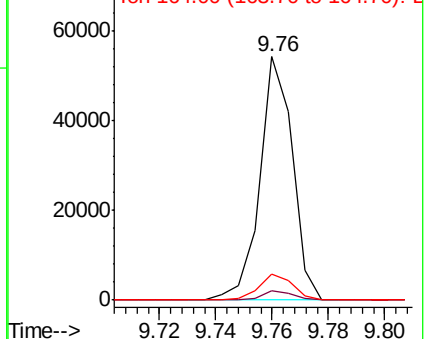
163 100

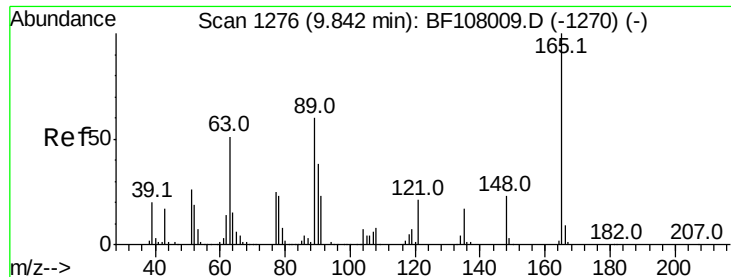
194 3.6 2.7 4.1

164 10.7 8.2 12.2



Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

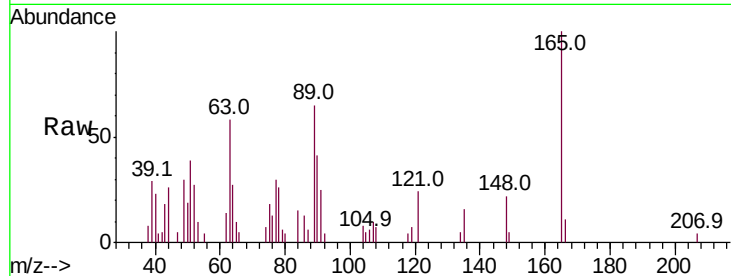




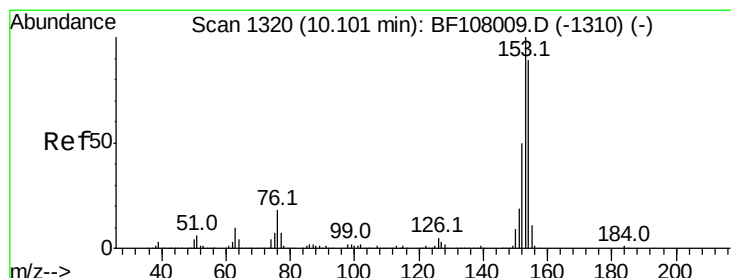
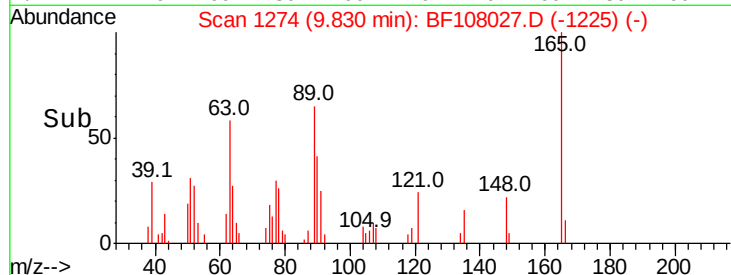
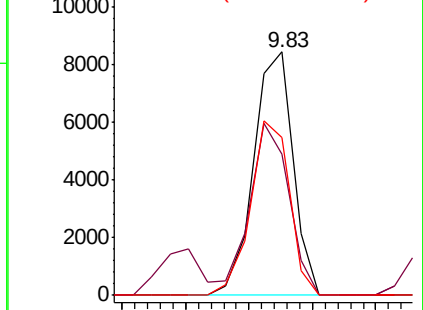
#50
2,6-Dinitrotoluene
Concen: 0.847 ng
RT: 9.83 min Scan# 1274
Delta R.T. -0.01 min
Lab File: BF108027.D
Acq: 8 Aug 2018 18:44

Instrument :
BNA_F
ClientSampleId :
LOD-MDL-WATER-01-QT3-2018

Tot Ion:165 Resp: 7299
Ion Ratio Lower Upper
165 100
63 57.9 44.7 67.1
89 64.6 44.0 66.0

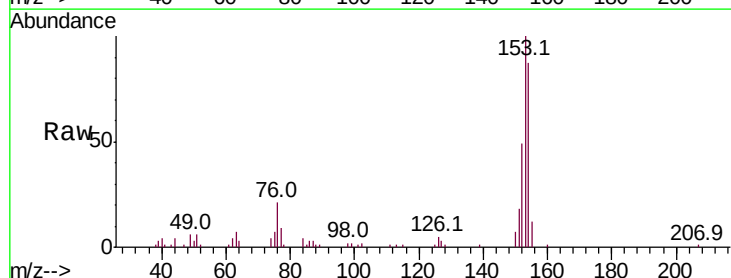


Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BF1
Ion 89.00 (88.70 to 89.70): BF1

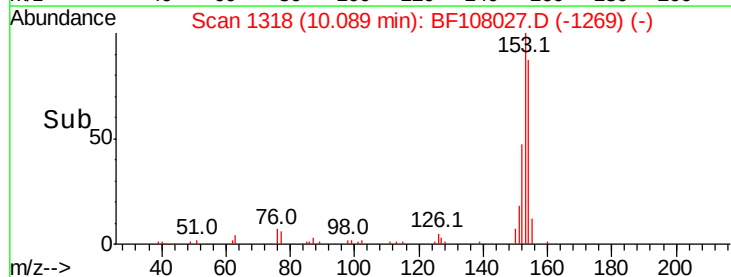
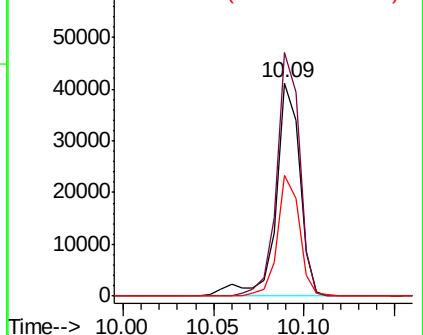


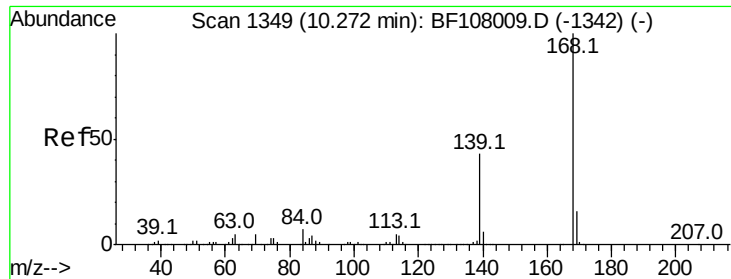
#51
Acenaphthene
Concen: 1.132 ng
RT: 10.09 min Scan# 1318
Delta R.T. -0.01 min
Lab File: BF108027.D
Acq: 8 Aug 2018 18:44

Tgt Ion:154 Resp: 37785
Ion Ratio Lower Upper
154 100
153 114.3 91.2 136.8
152 56.5 43.8 65.8



Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E





#54

Dibenzenofuran

Concen: 1.153 ng

RT: 10.27 min Scan# 1348

Delta R.T. -0.01 min

Lab File: BF108027.D

Acq: 8 Aug 2018 18:44

Instrument :

BNA_F

ClientSampleId :

LOD-MDL-WATER-01-QT3-2018

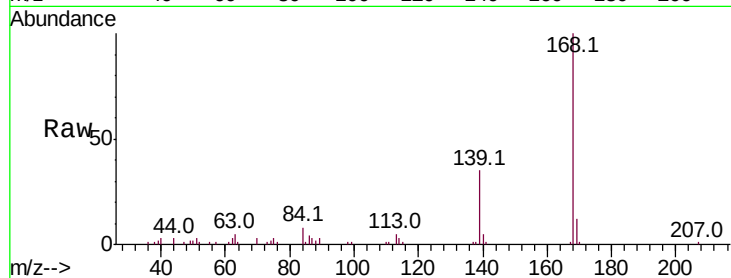
Tot Ion:168 Resp: 55733

Ion Ratio Lower Upper

168 100

139 35.0 30.1 45.1

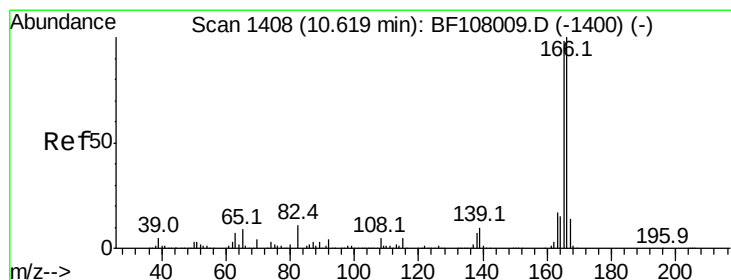
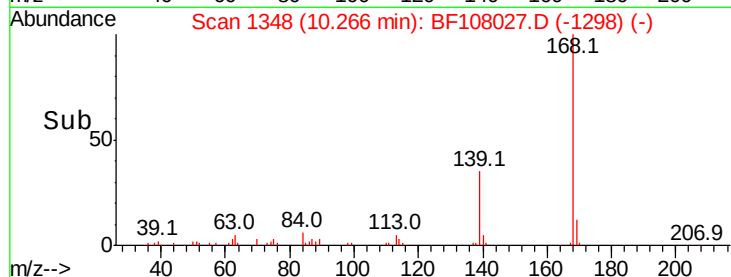
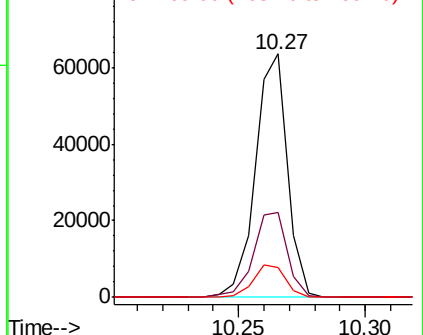
169 12.2 10.9 16.3



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E



#57

Fluorene

Concen: 1.148 ng

RT: 10.61 min Scan# 1406

Delta R.T. -0.01 min

Lab File: BF108027.D

Acq: 8 Aug 2018 18:44

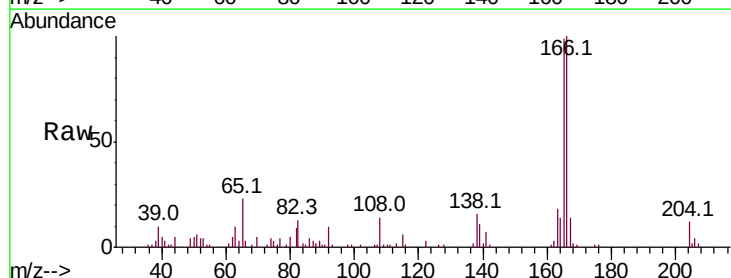
Tgt Ion:166 Resp: 43926

Ion Ratio Lower Upper

166 100

165 98.9 79.8 119.8

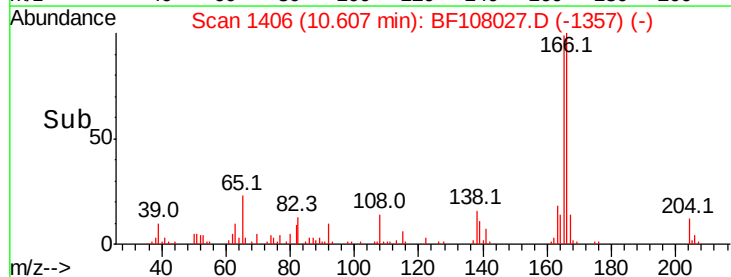
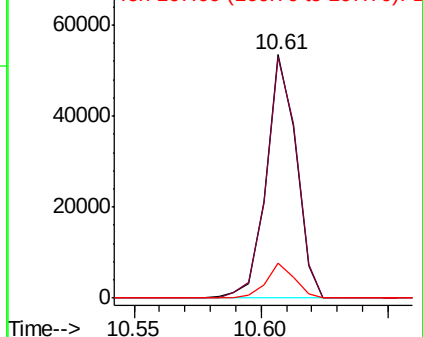
167 14.3 10.6 16.0

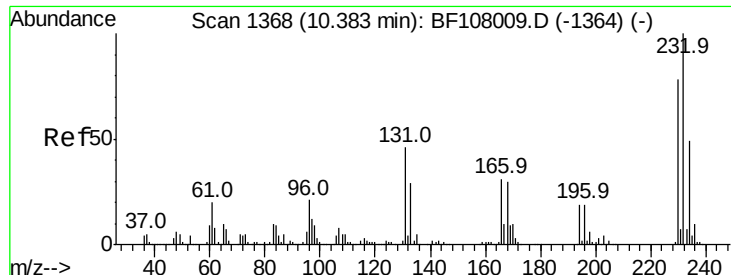


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

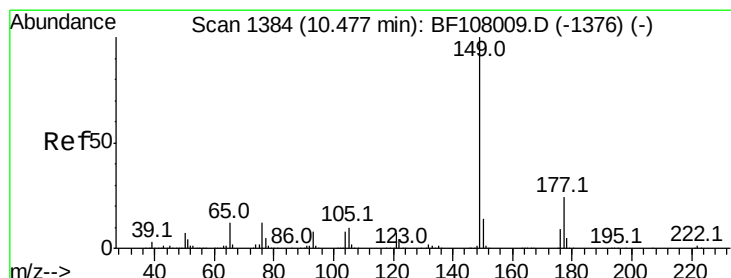
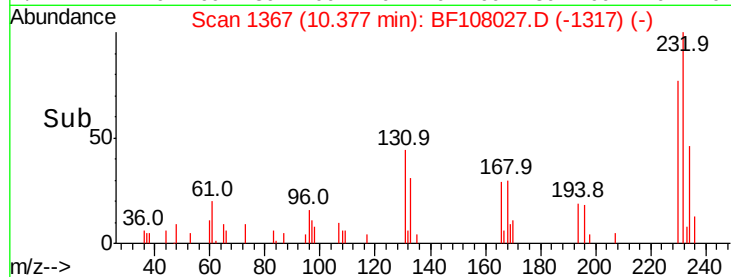
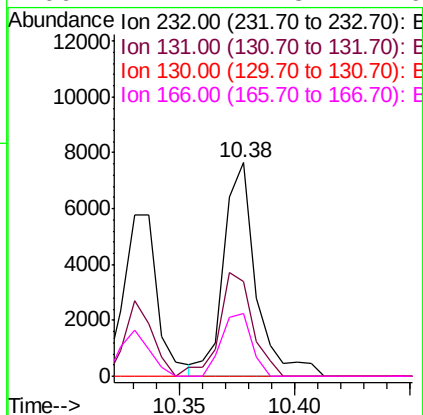
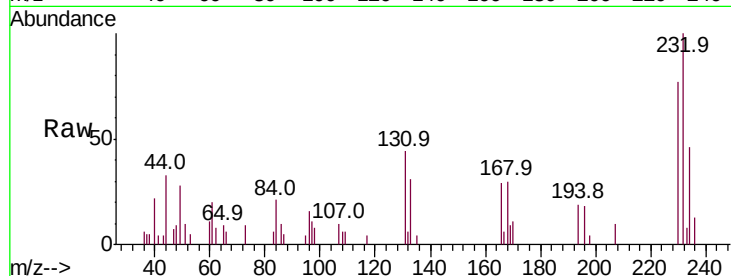




#58
 2,3,4,6-Tetrachlorophenol
 Concen: 0.721 ng
 RT: 10.38 min Scan# 1367
 Delta R.T. -0.01 min
 Lab File: BF108027.D
 Acq: 8 Aug 2018 18:44

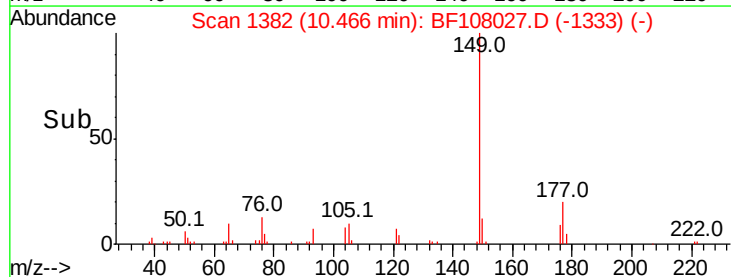
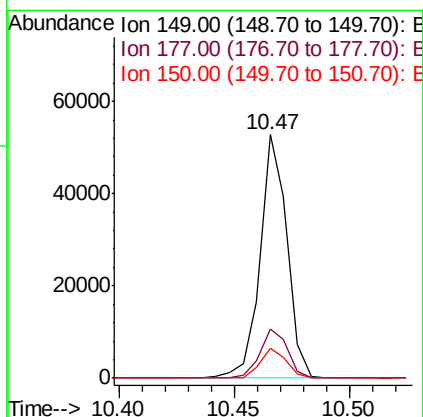
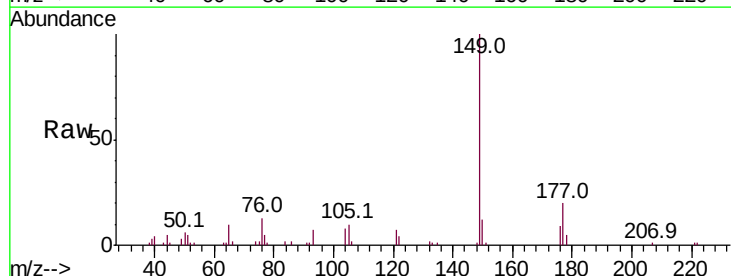
Instrument :
 BNA_F
 ClientSampleId :
 LOD-MDL-WATER-01-QT3-2018

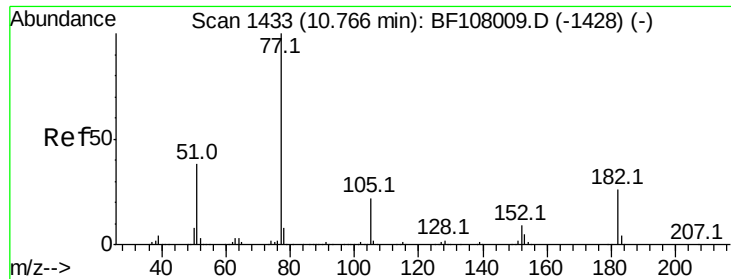
Tot Ion:	232	Resp:	7473
Ion	Ratio	Lower	Upper
232	100		
131	49.4	43.8	65.8
130	0.0	2.1	3.1#
166	27.1	27.8	41.6#



#59
 Diethylphthalate
 Concen: 1.073 ng
 RT: 10.47 min Scan# 1382
 Delta R.T. -0.01 min
 Lab File: BF108027.D
 Acq: 8 Aug 2018 18:44

Tgt Ion:	149	Resp:	42819
Ion	Ratio	Lower	Upper
149	100		
177	20.3	16.1	24.1
150	12.4	10.1	15.1





#62

Azobenzene

Concen: 1.078 ng

RT: 10.76 min Scan# 1432

Delta R.T. -0.01 min

Lab File: BF108027.D

Acq: 8 Aug 2018 18:44

Instrument :

BNA_F

ClientSampleId :

LOD-MDL-WATER-01-QT3-2018

Tot Ion: 77 Resp: 44400

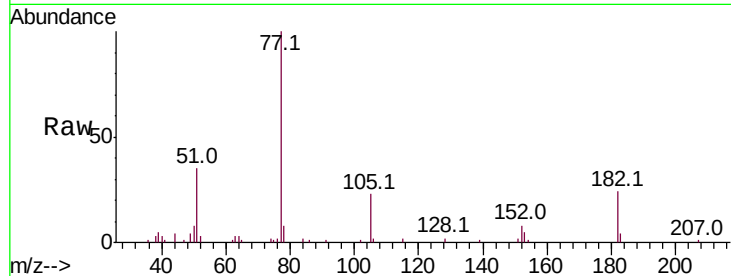
Ion Ratio Lower Upper

77 100

182 24.2 1.7 41.7

105 22.8 3.0 43.0

51 34.6 9.9 49.9

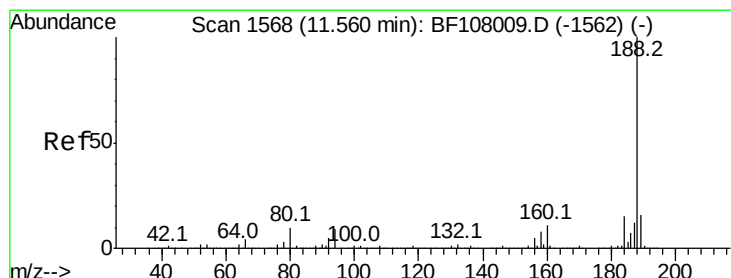
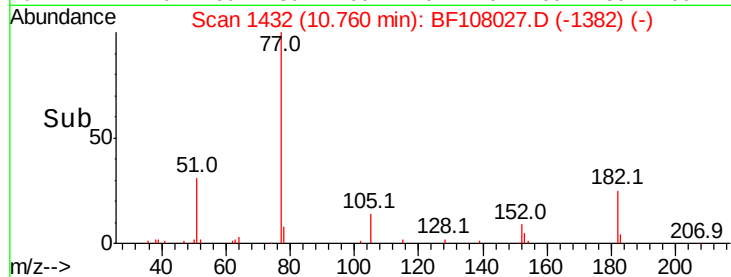
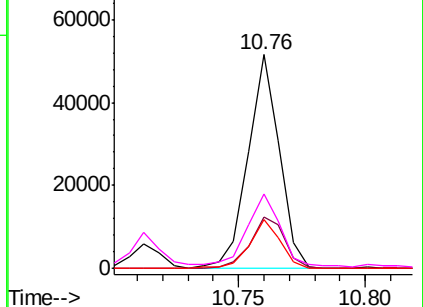


Abundance Ion 77.00 (76.70 to 77.70): BF1

Ion 182.00 (181.70 to 182.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 51.00 (50.70 to 51.70): BF1



#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.55 min Scan# 1567

Delta R.T. -0.01 min

Lab File: BF108027.D

Acq: 8 Aug 2018 18:44

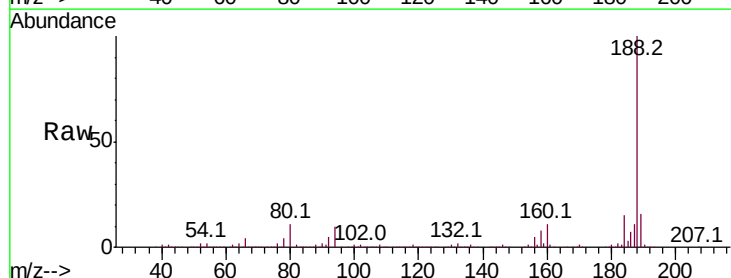
Tgt Ion: 188 Resp: 1223883

Ion Ratio Lower Upper

188 100

94 10.0 8.5 12.7

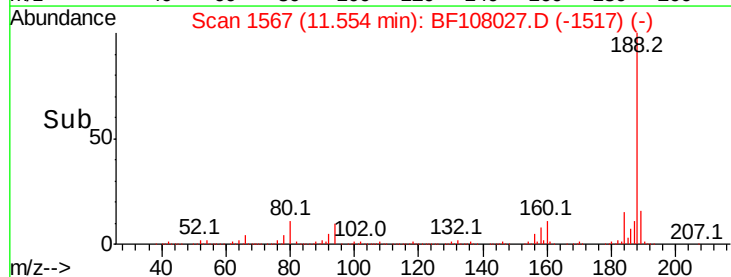
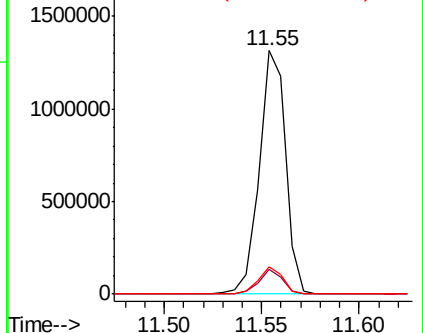
80 11.0 9.2 13.8

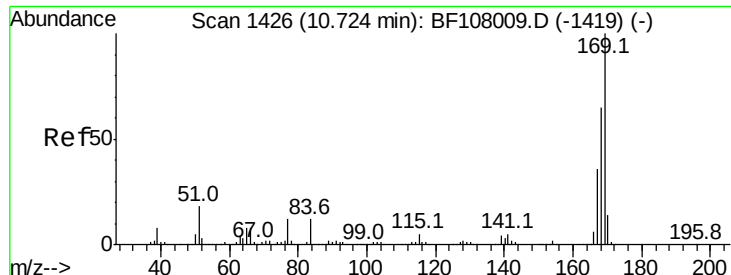


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1

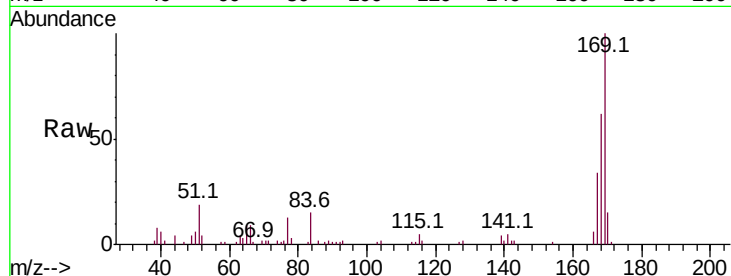




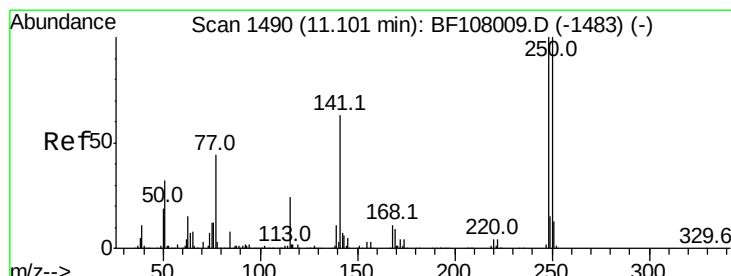
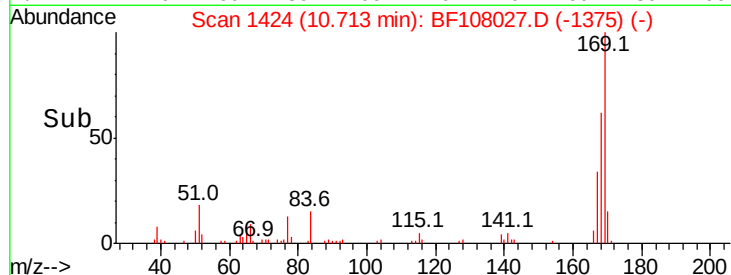
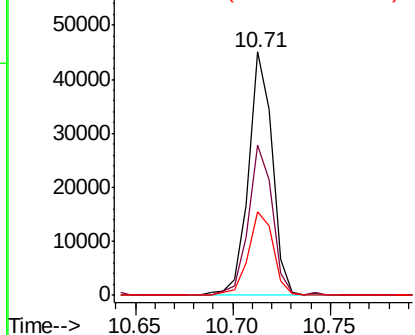
#65
n-Nitrosodiphenylamine
Concen: 1.052 ng
RT: 10.71 min Scan# 1424
Delta R.T. -0.01 min
Lab File: BF108027.D
Acq: 8 Aug 2018 18:44

Instrument :
BNA_F
ClientSampleId :
LOD-MDL-WATER-01-QT3-2018

Tot Ion:169 Resp: 38056
Ion Ratio Lower Upper
169 100
168 61.9 54.4 81.6
167 34.3 29.8 44.6

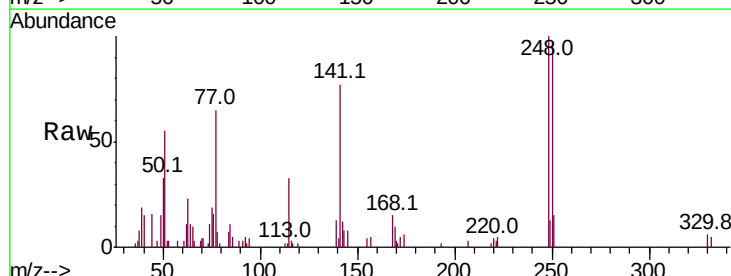


Abundance Ion 169.00 (168.70 to 169.70): E
Ion 168.00 (167.70 to 168.70): E
Ion 167.00 (166.70 to 167.70): E

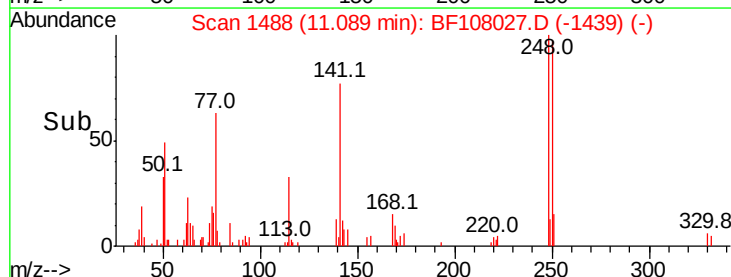
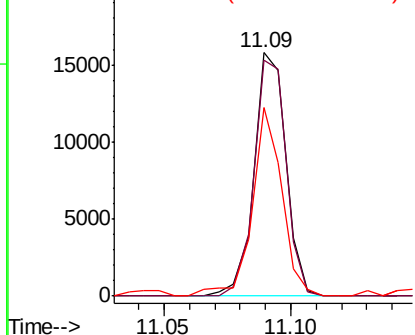


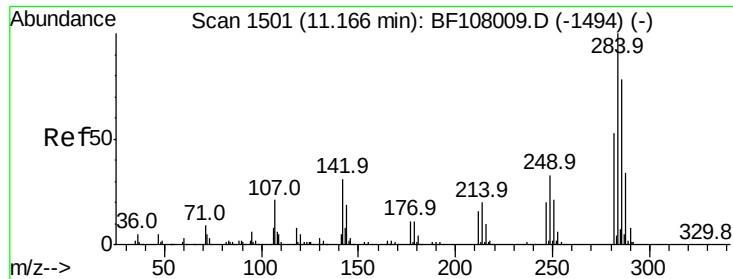
#66
4-Bromophenyl-phenylether
Concen: 1.047 ng
RT: 11.09 min Scan# 1488
Delta R.T. -0.01 min
Lab File: BF108027.D
Acq: 8 Aug 2018 18:44

Tgt Ion:248 Resp: 13920
Ion Ratio Lower Upper
248 100
250 96.7 76.9 115.3
141 77.3 74.4 111.6



Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

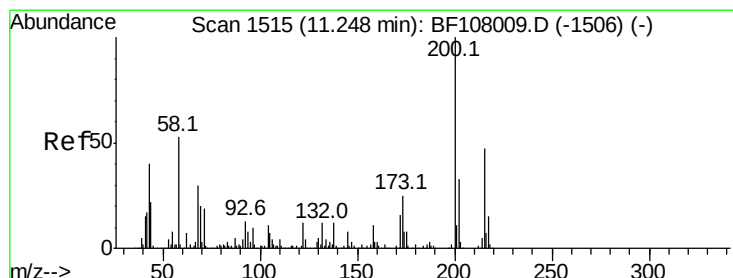
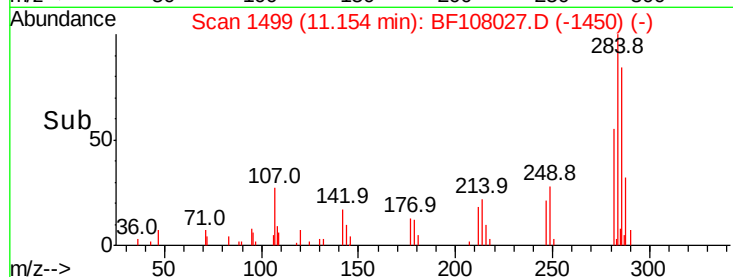
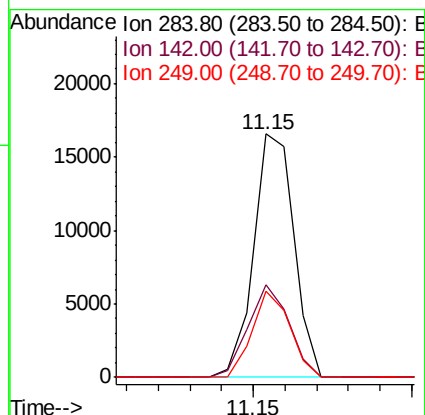
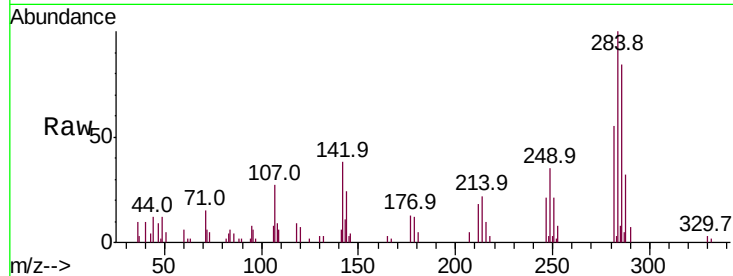




#67
Hexachlorobenzene
Concen: 1.046 ng
RT: 11.15 min Scan# 1499
Delta R.T. -0.01 min
Lab File: BF108027.D
Acq: 8 Aug 2018 18:44

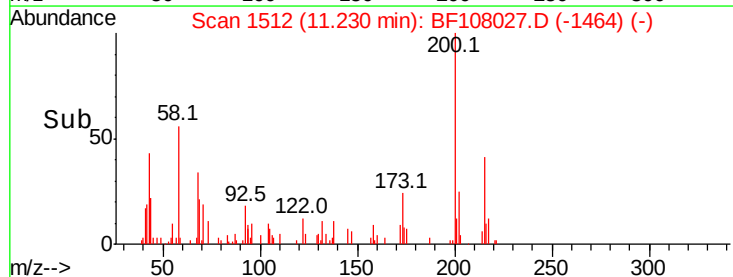
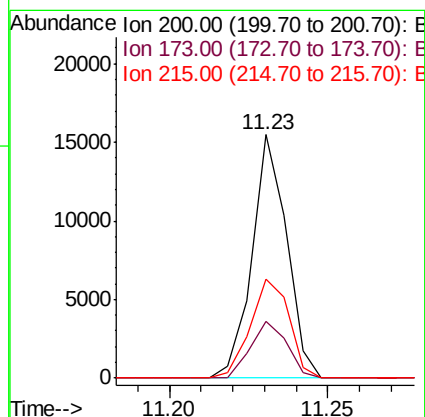
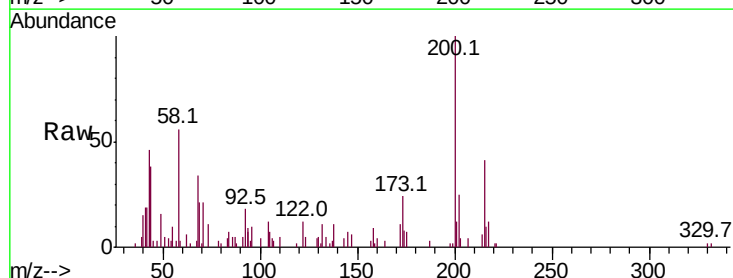
Instrument :
BNA_F
ClientSampleId :
LOD-MDL-WATER-01-QT3-2018

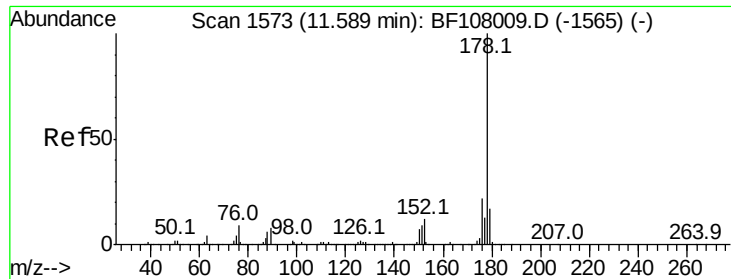
Tot Ion:284 Resp: 14638
Ion Ratio Lower Upper
284 100
142 38.2 34.6 52.0
249 35.4 24.8 37.2



#68
Atrazine
Concen: 0.970 ng
RT: 11.23 min Scan# 1512
Delta R.T. -0.02 min
Lab File: BF108027.D
Acq: 8 Aug 2018 18:44

Tgt Ion:200 Resp: 11763
Ion Ratio Lower Upper
200 100
173 23.5 8.6 48.6
215 40.7 25.1 65.1

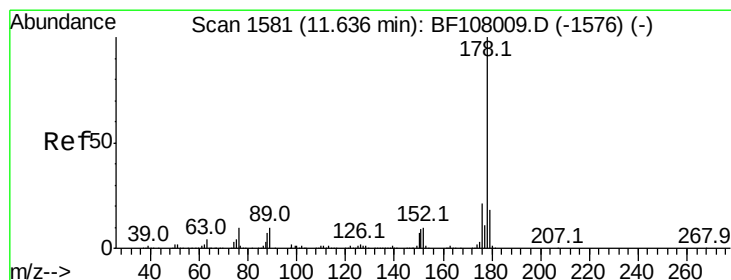
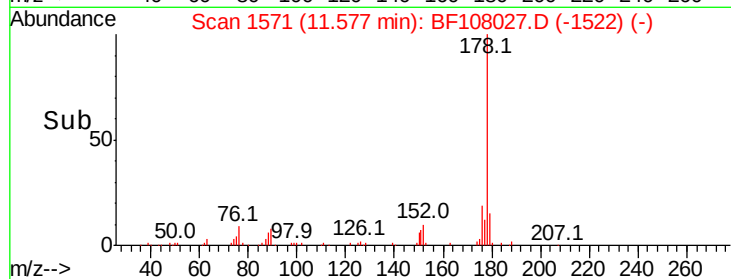
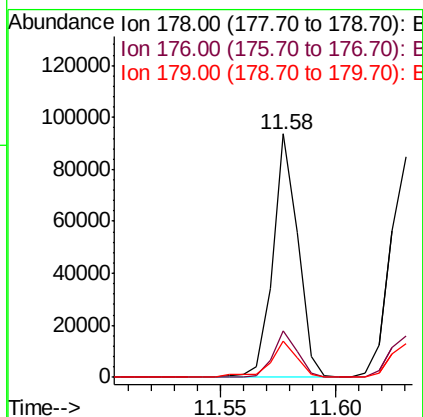
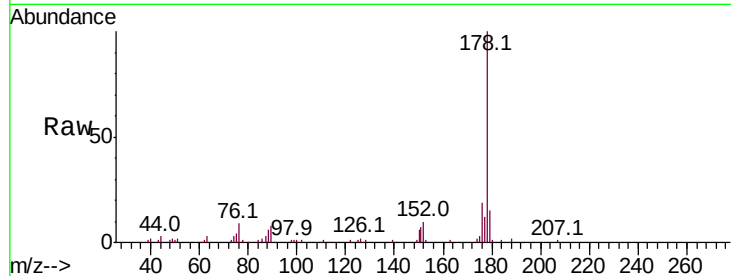




#70
Phenanthrene
Concen: 1.214 ng
RT: 11.58 min Scan# 1571
Delta R.T. -0.01 min
Lab File: BF108027.D
Acq: 8 Aug 2018 18:44

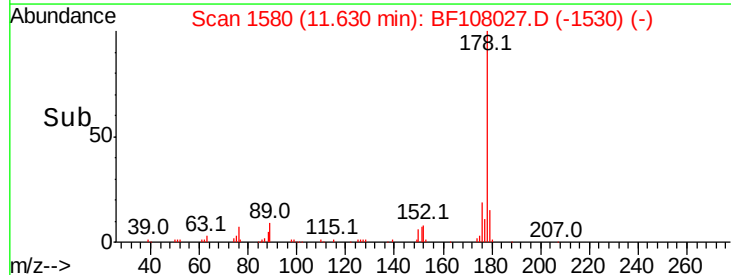
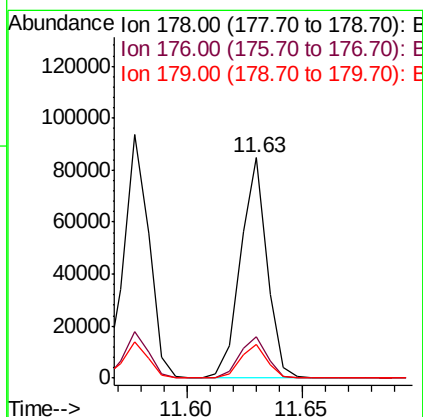
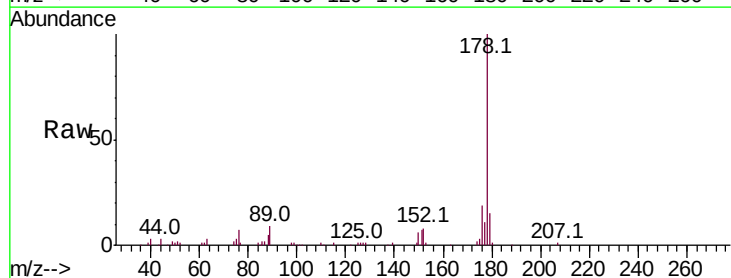
Instrument :
BNA_F
ClientSampleId :
LOD-MDL-WATER-01-QT3-2018

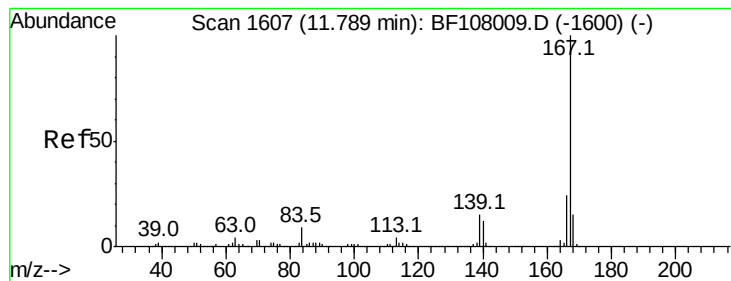
Tot Ion:178 Resp: 70094
Ion Ratio Lower Upper
178 100
176 18.8 15.8 23.8
179 15.1 13.0 19.6



#71
Anthracene
Concen: 1.146 ng
RT: 11.63 min Scan# 1580
Delta R.T. -0.01 min
Lab File: BF108027.D
Acq: 8 Aug 2018 18:44

Tgt Ion:178 Resp: 67829
Ion Ratio Lower Upper
178 100
176 18.8 15.4 23.2
179 15.1 12.6 19.0





#72

Carbazole

Concen: 1.073 ng

RT: 11.78 min Scan# 1605

Delta R.T. -0.01 min

Lab File: BF108027.D

Acq: 8 Aug 2018 18:44

Instrument :

BNA_F

ClientSampleId :

LOD-MDL-WATER-01-QT3-2018

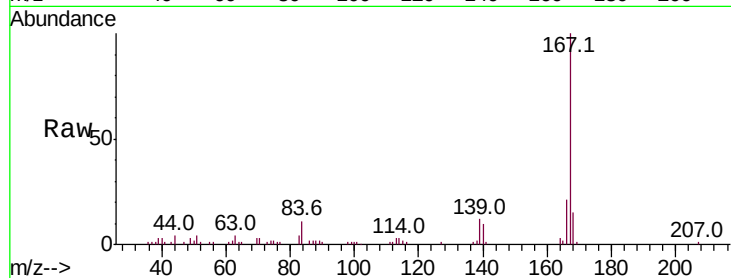
Tot Ion:167 Resp: 56397

Ion Ratio Lower Upper

167 100

166 21.0 17.6 26.4

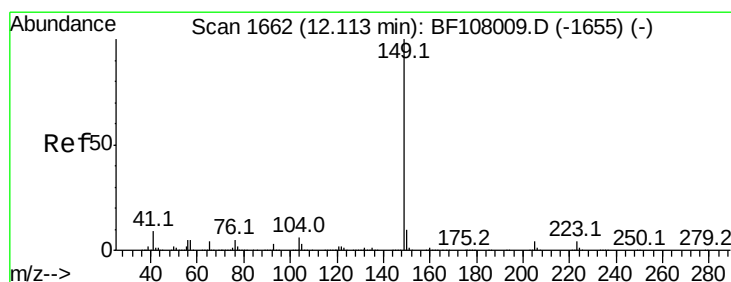
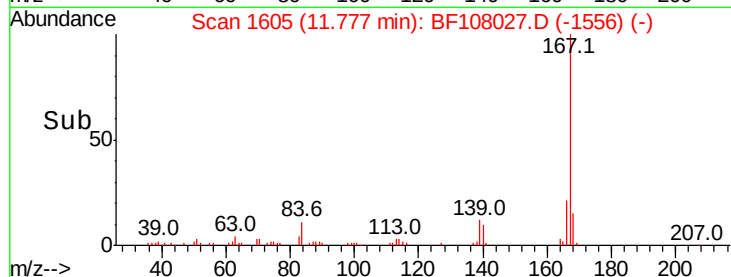
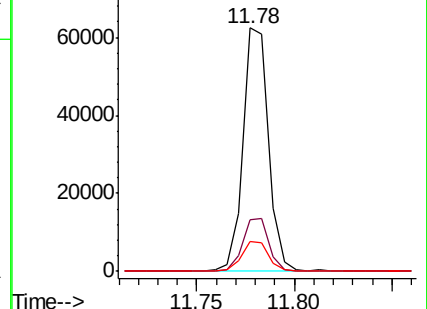
139 12.1 10.9 16.3



Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E



#73

Di-n-butylphthalate

Concen: 1.018 ng

RT: 12.11 min Scan# 1661

Delta R.T. -0.01 min

Lab File: BF108027.D

Acq: 8 Aug 2018 18:44

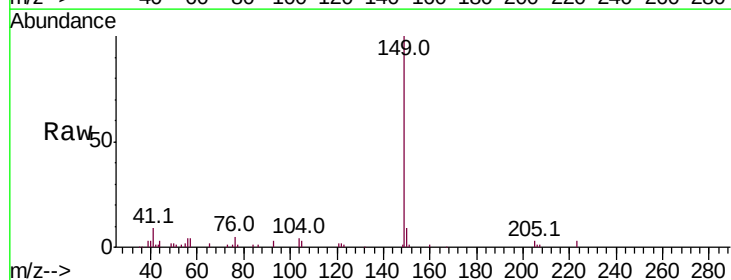
Tgt Ion:149 Resp: 60641

Ion Ratio Lower Upper

149 100

150 9.0 7.8 11.6

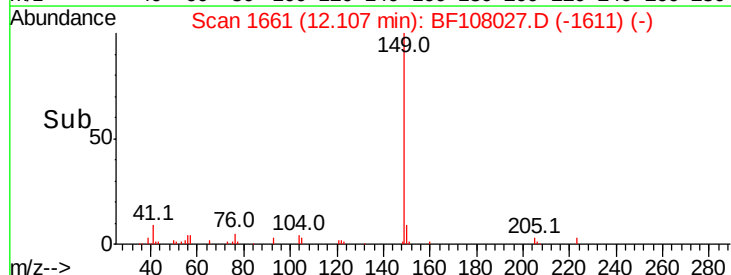
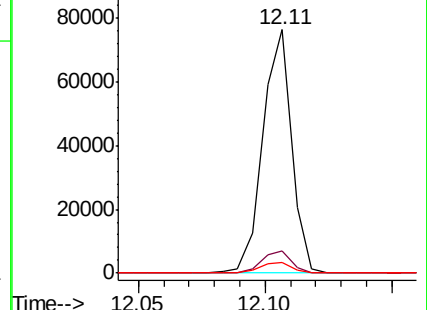
104 4.2 3.8 5.8

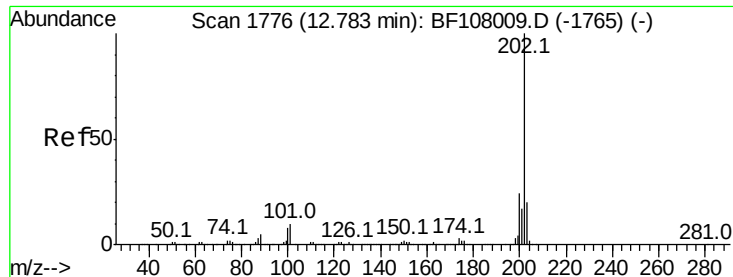


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E





#74

Fluoranthene

Concen: 1.164 ng

RT: 12.77 min Scan# 1774

Delta R.T. -0.01 min

Lab File: BF108027.D

Acq: 8 Aug 2018 18:44

Instrument :

BNA_F

ClientSampleId :

LOD-MDL-WATER-01-QT3-2018

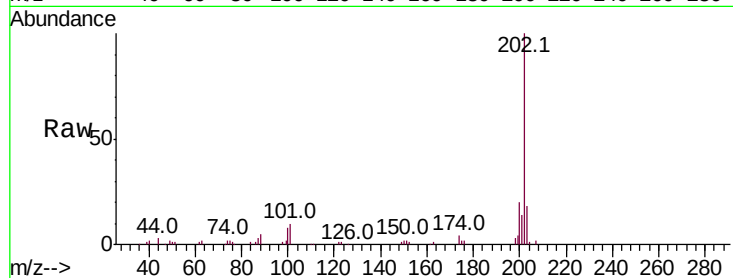
Tot Ion:202 Resp: 73358

Ion Ratio Lower Upper

202 100

101 10.3 0.0 34.1

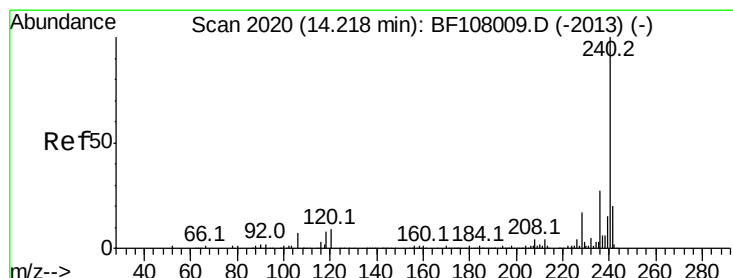
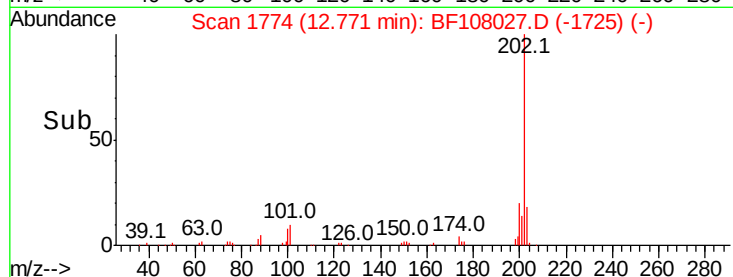
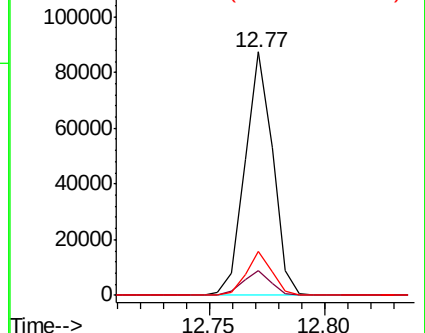
203 17.8 0.0 38.1



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.21 min Scan# 2018

Delta R.T. -0.01 min

Lab File: BF108027.D

Acq: 8 Aug 2018 18:44

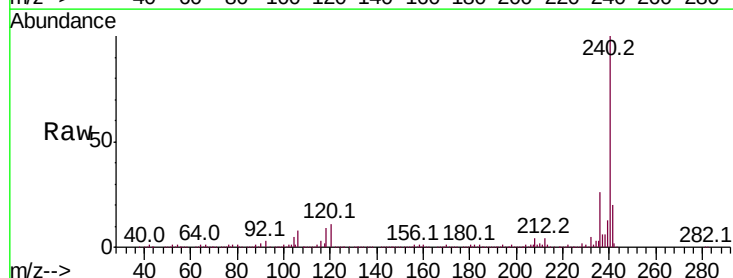
Tgt Ion:240 Resp: 1099065

Ion Ratio Lower Upper

240 100

120 11.2 9.5 14.3

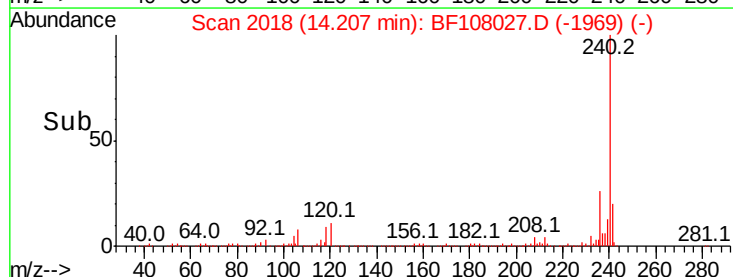
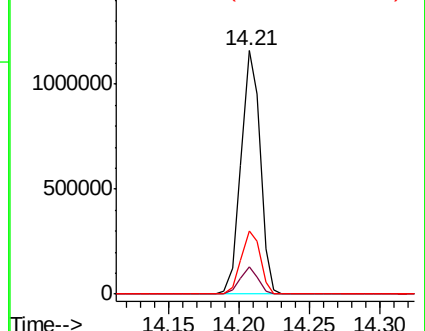
236 25.8 20.7 31.1

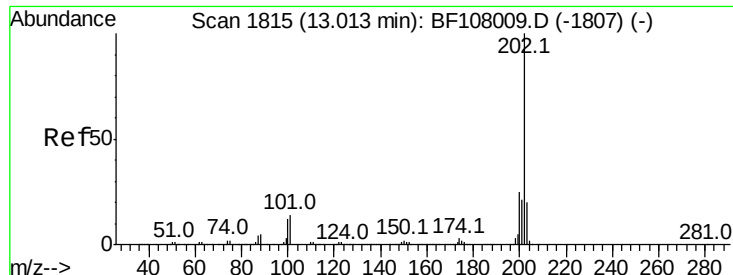


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pvrene

Concen: 1.072 ng

RT: 13.01 min Scan# 1814

Delta R.T. -0.01 min

Lab File: BF108027.D

Acq: 8 Aug 2018 18:44

Instrument :

BNA_F

ClientSampleId :

LOD-MDL-WATER-01-QT3-2018

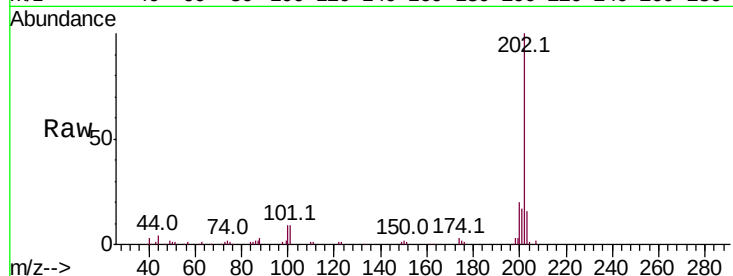
Tot Ion:202 Resp: 74604

Ion Ratio Lower Upper

202 100

200 20.3 17.4 26.2

203 16.0 14.3 21.5

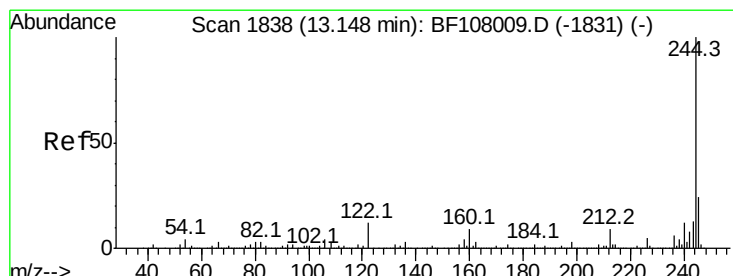
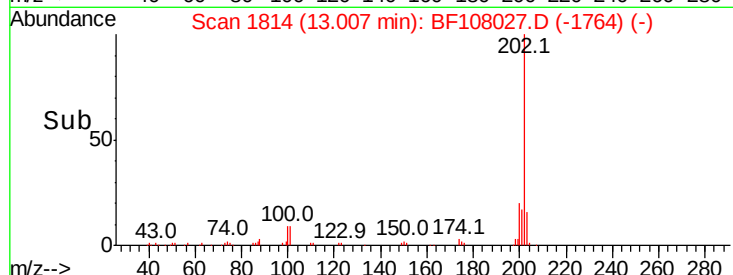
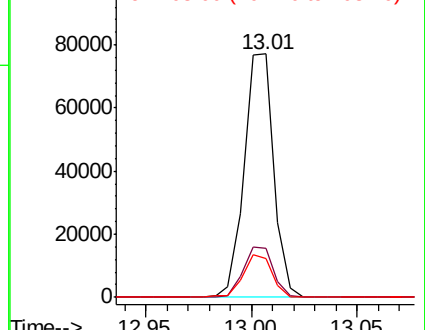


Abundance

Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



#78

Terphenyl-d14

Concen: 85.203 ng

RT: 13.15 min Scan# 1838

Delta R.T. 0.00 min

Lab File: BF108027.D

Acq: 8 Aug 2018 18:44

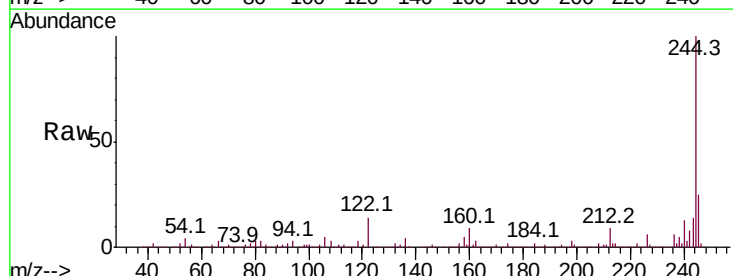
Tgt Ion:244 Resp: 3683022

Ion Ratio Lower Upper

244 100

212 9.5 5.4 8.0#

122 13.7 11.0 16.4

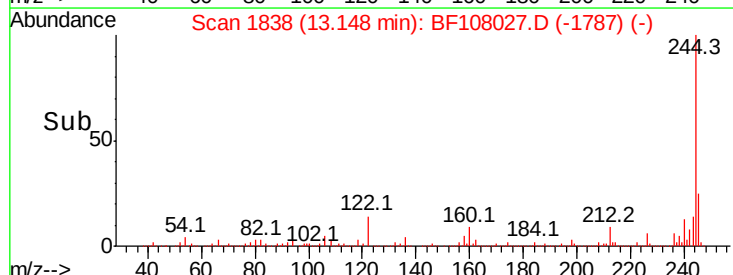
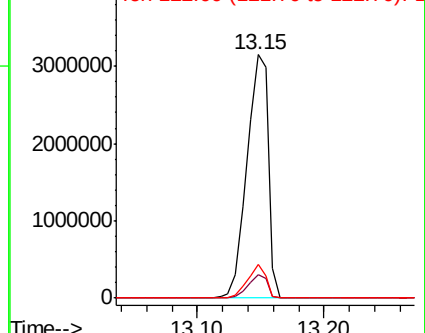


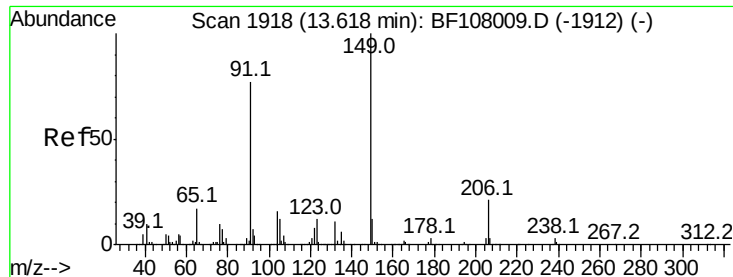
Abundance

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

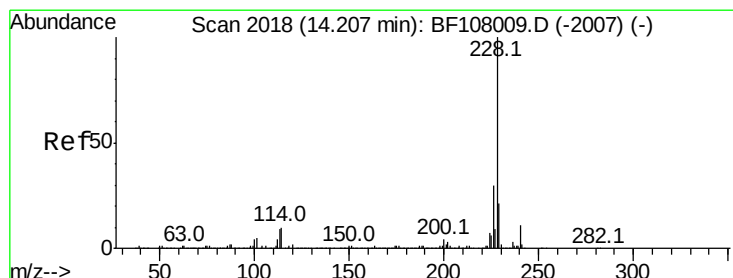
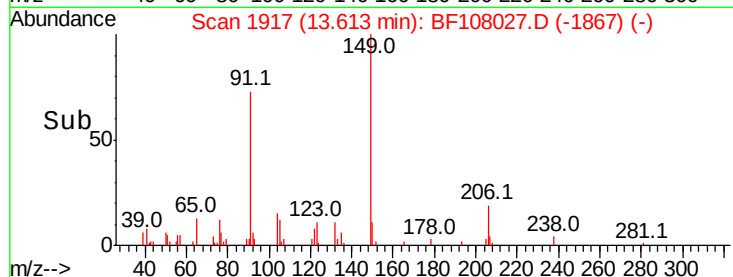
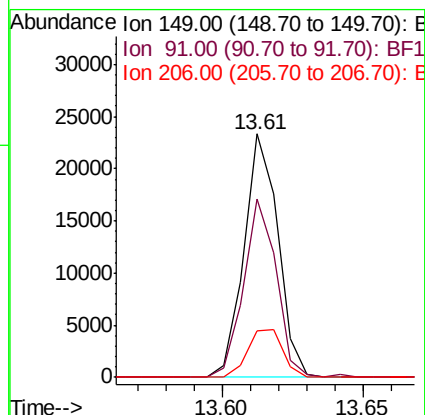
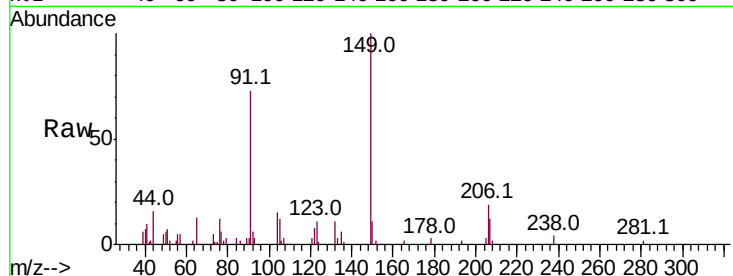




#79
Butylbenzylphthalate
Concen: 0.705 ng
RT: 13.61 min Scan# 1917
Delta R.T. -0.01 min
Lab File: BF108027.D
Acq: 8 Aug 2018 18:44

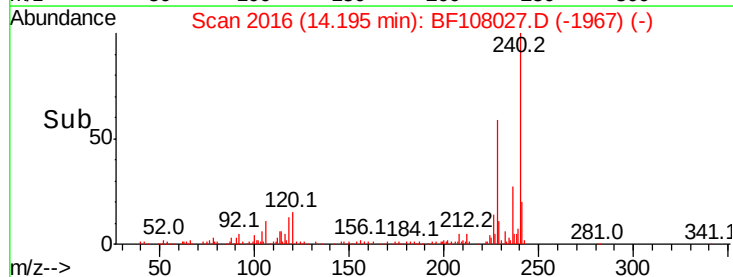
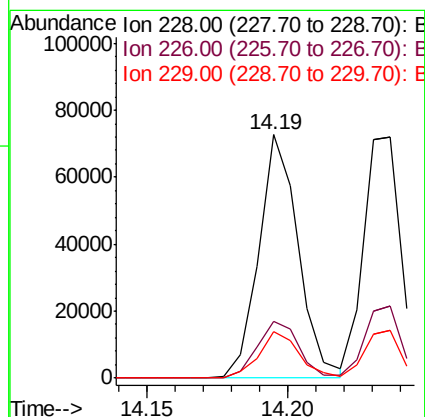
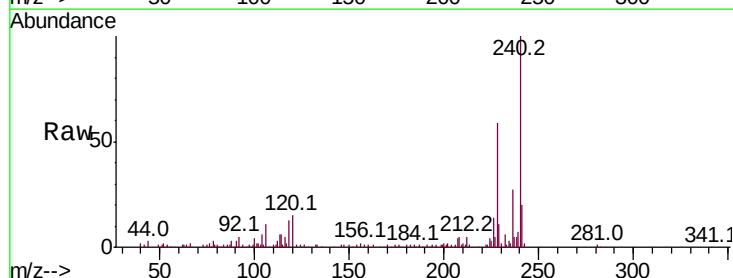
Instrument :
BNA_F
ClientSampleId :
LOD-MDL-WATER-01-QT3-2018

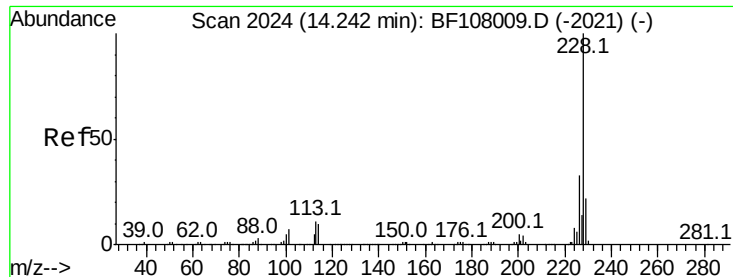
Tot Ion	Ratio	Lower	Upper
149	100		
91	73.4	56.8	85.2
206	19.1	14.1	21.1



#80
Benzo(a)anthracene
Concen: 1.119 ng
RT: 14.19 min Scan# 2016
Delta R.T. -0.01 min
Lab File: BF108027.D
Acq: 8 Aug 2018 18:44

Tgt Ion	Ratio	Lower	Upper
228	100		
226	23.3	22.6	33.8
229	18.9	15.8	23.6

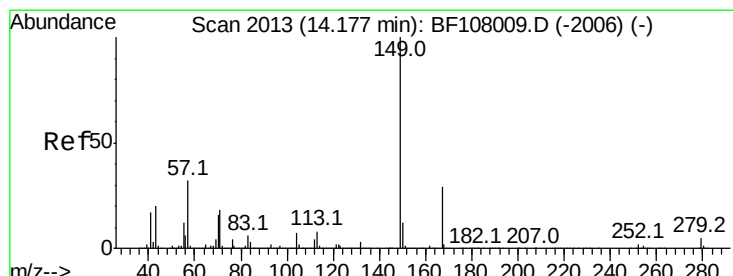
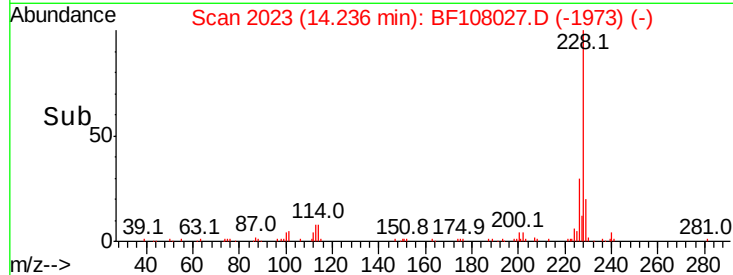
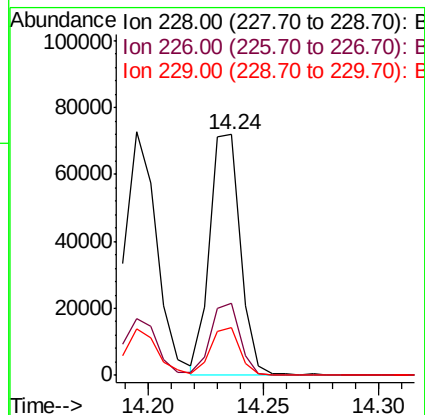
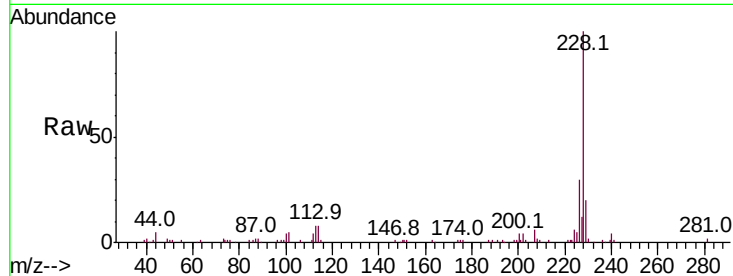




#82
 Chrysene
 Concen: 1.152 ng
 RT: 14.24 min Scan# 2023
 Delta R.T. -0.01 min
 Lab File: BF108027.D
 Acq: 8 Aug 2018 18:44

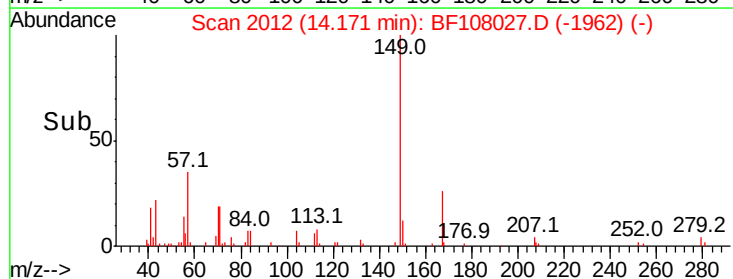
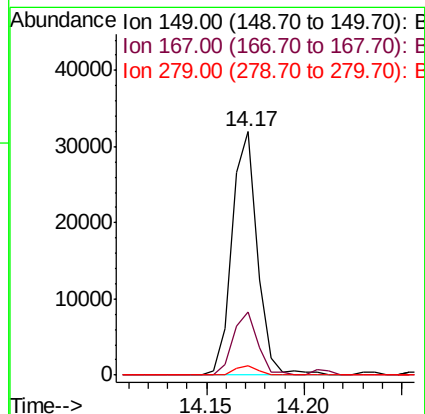
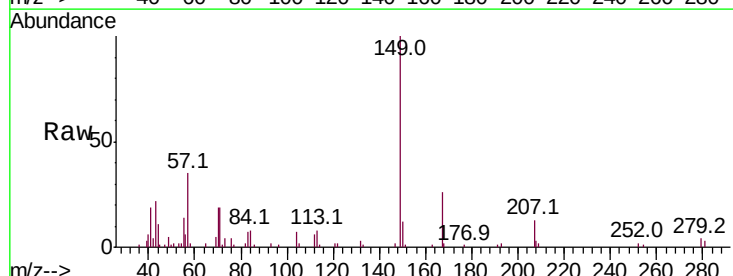
Instrument :
 BNA_F
 ClientSampleId :
 LOD-MDL-WATER-01-QT3-2018

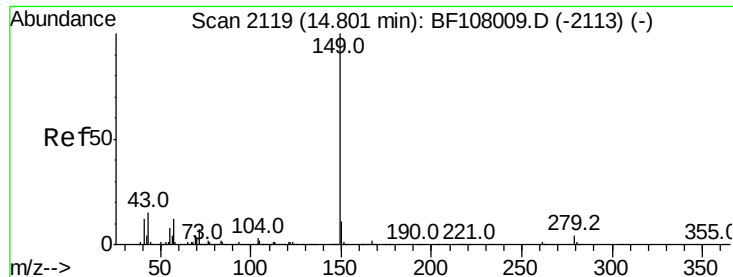
Tot Ion	Ratio	Lower	Upper
228	100		
226	30.0	25.0	37.6
229	20.0	16.2	24.4



#83
 Bis(2-ethylhexyl)phthalate
 Concen: 0.772 ng
 RT: 14.17 min Scan# 2012
 Delta R.T. -0.01 min
 Lab File: BF108027.D
 Acq: 8 Aug 2018 18:44

Tgt Ion	Ratio	Lower	Upper
149	100		
167	26.1	21.3	31.9
279	4.0	3.0	4.4

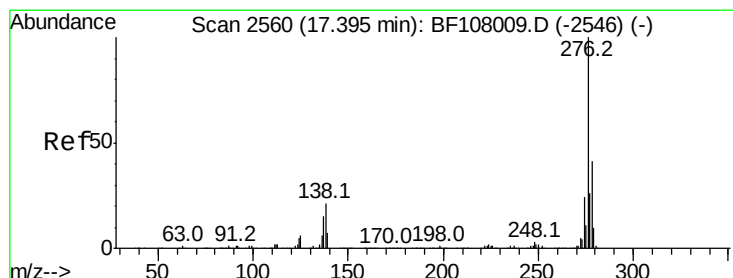
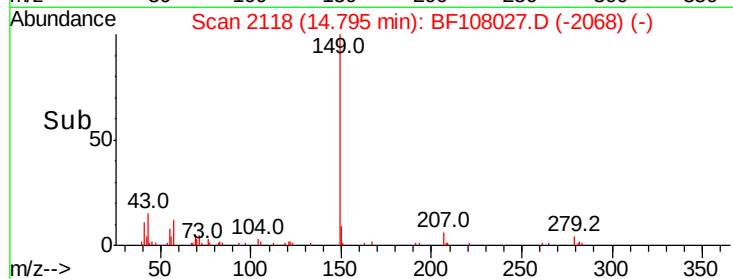
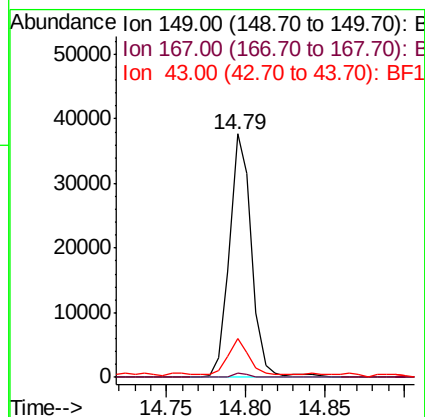
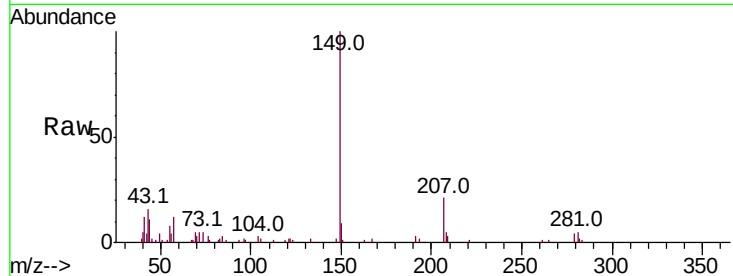




#84
Di-n-octyl phthalate
Concen: 0.640 ng
RT: 14.79 min Scan# 2118
Delta R.T. -0.01 min
Lab File: BF108027.D
Acq: 8 Aug 2018 18:44

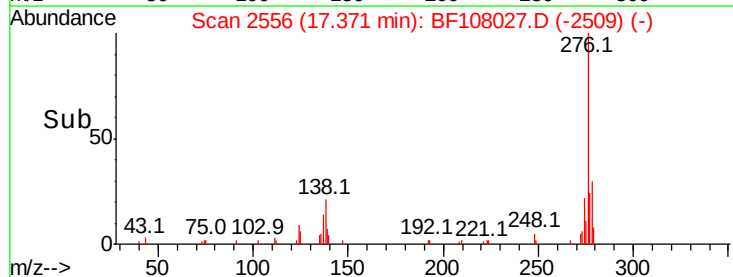
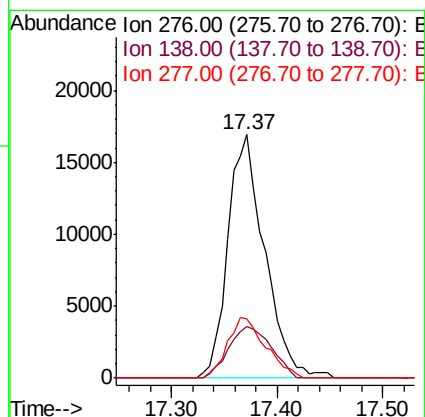
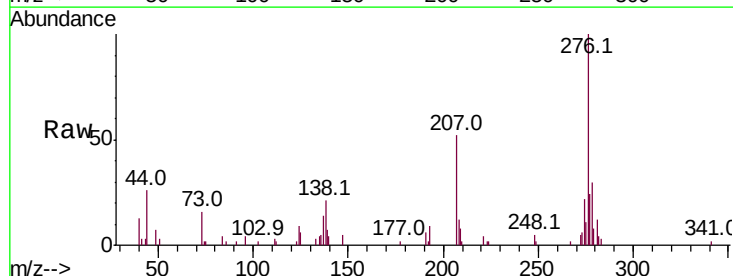
Instrument :
BNA_F
ClientSampleId :
LOD-MDL-WATER-01-QT3-2018

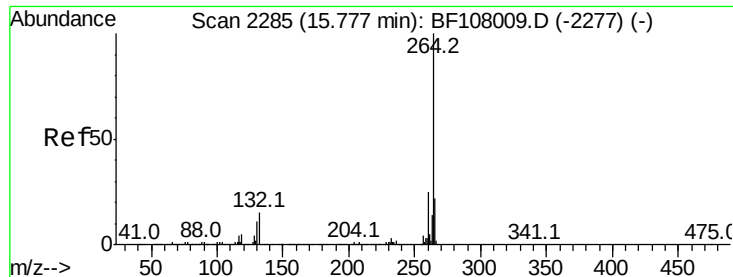
Tot Ion:149 Resp: 36505
Ion Ratio Lower Upper
149 100
167 1.0 1.2 1.8#
43 14.0 8.4 12.6#



#85
Indeno(1,2,3-cd)pyrene
Concen: 0.815 ng
RT: 17.37 min Scan# 2556
Delta R.T. -0.02 min
Lab File: BF108027.D
Acq: 8 Aug 2018 18:44

Tgt Ion:276 Resp: 40814
Ion Ratio Lower Upper
276 100
138 24.5 25.0 37.6#
277 25.8 20.1 30.1





#86

Pervlene-d12

Concen: 20.000 ng

RT: 15.77 min Scan# 2284

Delta R.T. -0.01 min

Lab File: BF108027.D

Acq: 8 Aug 2018 18:44

Instrument :

BNA_F

ClientSampleId :

LOD-MDL-WATER-01-QT3-2018

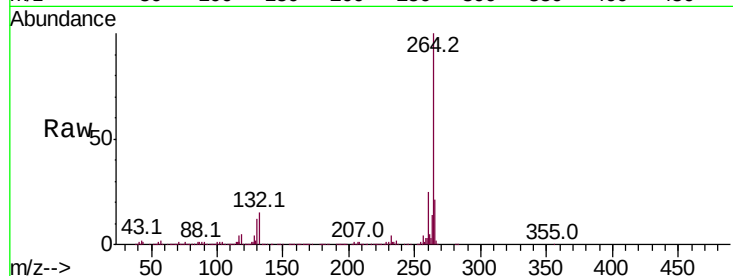
Tot Ion:264 Resp: 925661

Ion Ratio Lower Upper

264 100

260 24.6 19.2 28.8

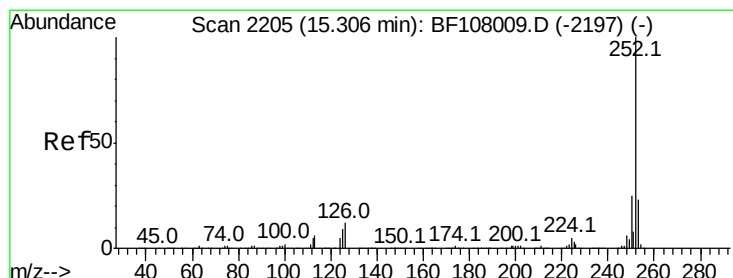
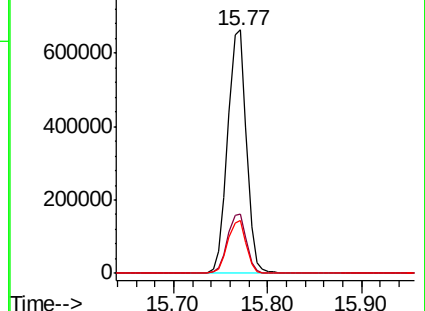
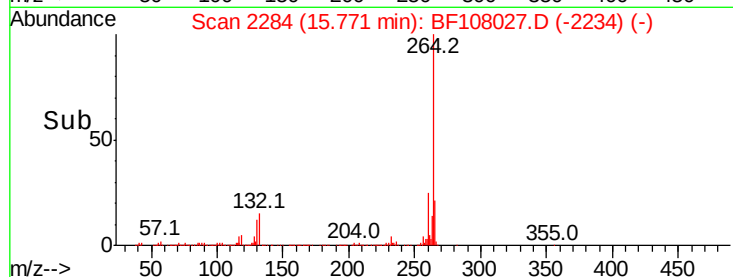
265 21.5 17.5 26.3



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



#87

Benzo(b)fluoranthene

Concen: 0.950 ng

RT: 15.29 min Scan# 2203

Delta R.T. -0.01 min

Lab File: BF108027.D

Acq: 8 Aug 2018 18:44

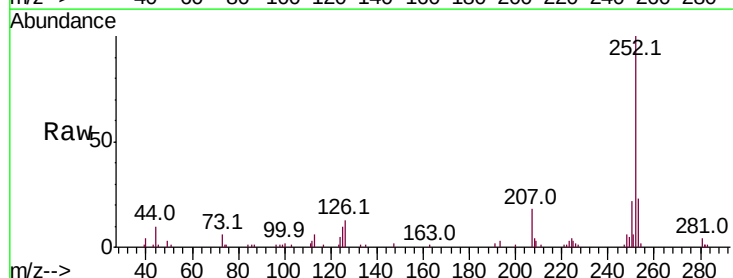
Tgt Ion:252 Resp: 52573

Ion Ratio Lower Upper

252 100

253 23.5 17.0 25.6

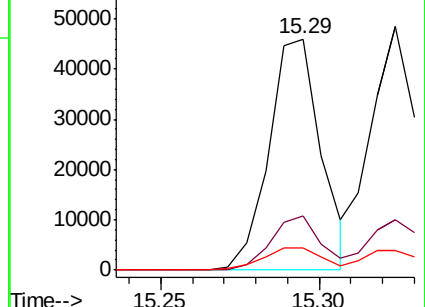
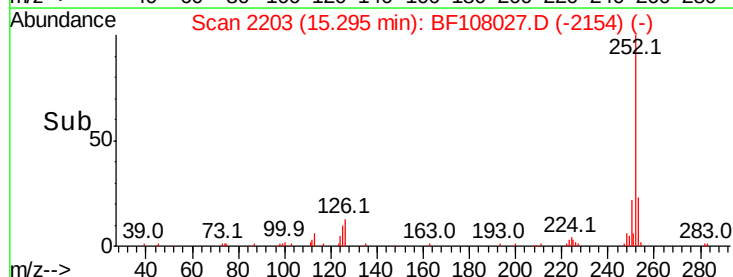
125 9.6 9.0 13.6

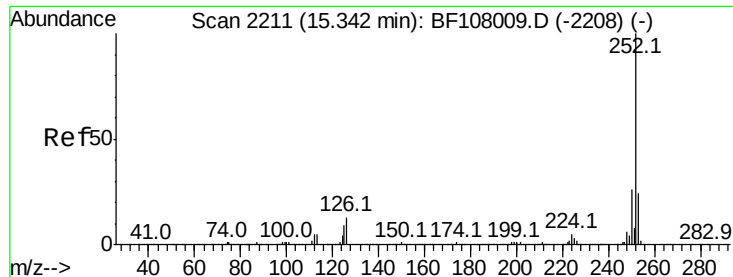


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

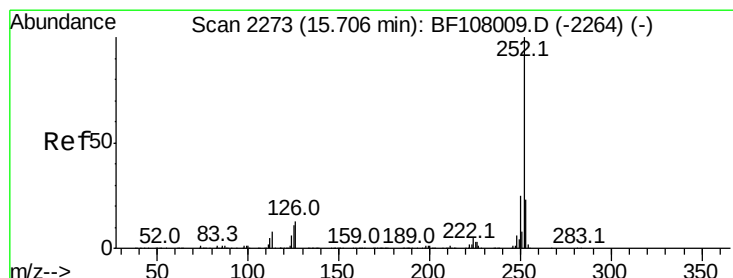
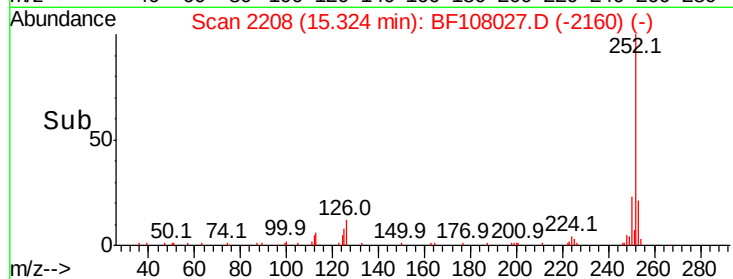
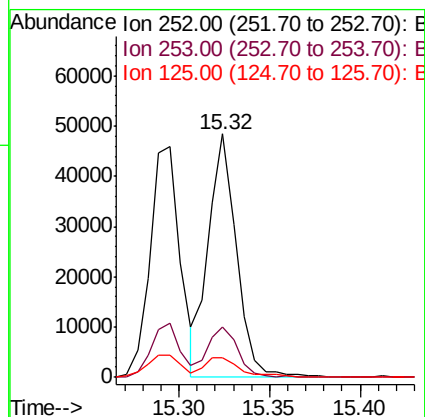
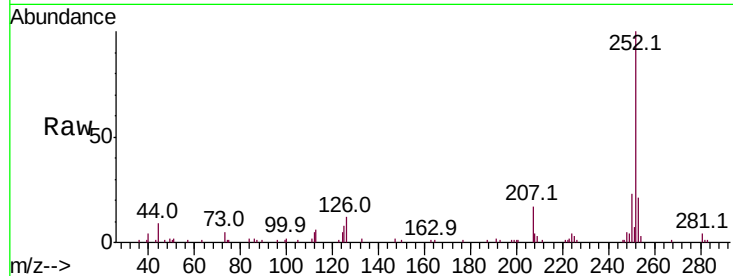




#88
Benzo(k)fluoranthene
Concen: 1.031 ng
RT: 15.32 min Scan# 2208
Delta R.T. -0.02 min
Lab File: BF108027.D
Acq: 8 Aug 2018 18:44

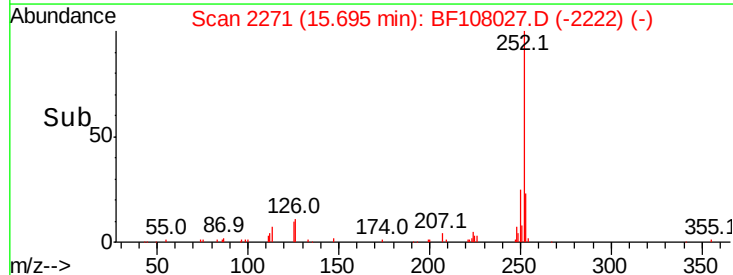
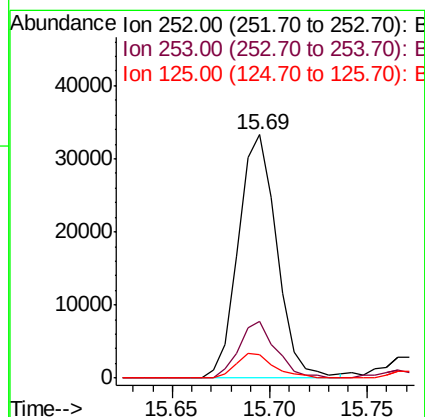
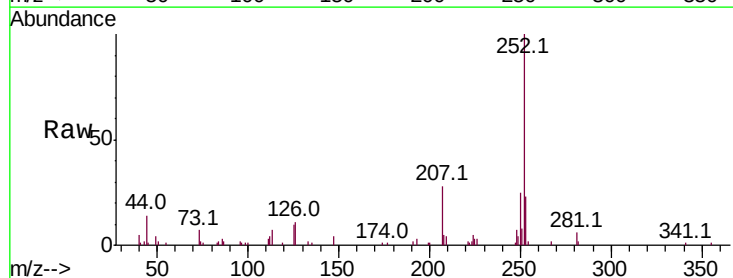
Instrument :
BNA_F
ClientSampleId :
LOD-MDL-WATER-01-QT3-2018

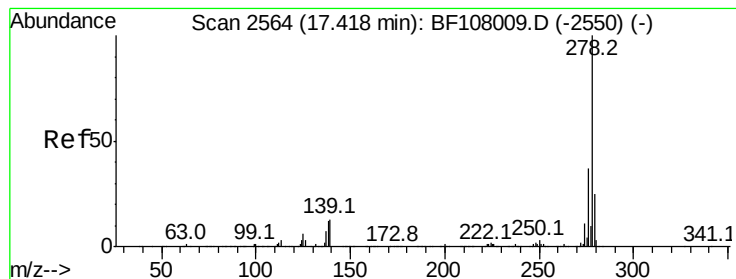
Tot Ion:252 Resp: 52416
Ion Ratio Lower Upper
252 100
253 20.8 17.9 26.9
125 8.1 10.2 15.2#



#89
Benzo(a)pyrene
Concen: 0.919 ng
RT: 15.69 min Scan# 2271
Delta R.T. -0.01 min
Lab File: BF108027.D
Acq: 8 Aug 2018 18:44

Tgt Ion:252 Resp: 45541
Ion Ratio Lower Upper
252 100
253 23.5 17.1 25.7
125 9.8 9.8 14.6





#90

Dibenzo(a,h)anthracene

Concen: 0.820 ng

RT: 17.39 min Scan# 2560

Delta R.T. -0.02 min

Lab File: BF108027.D

Acq: 8 Aug 2018 18:44

Instrument :

BNA_F

ClientSampleId :

LOD-MDL-WATER-01-QT3-2018

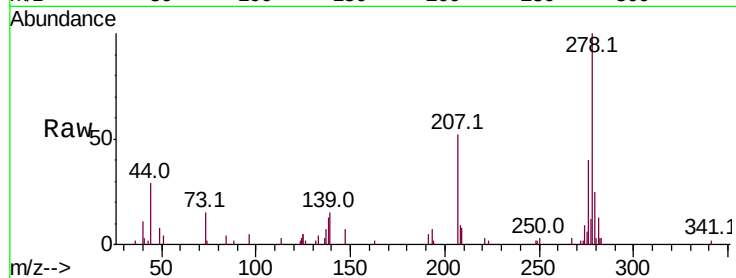
Tot Ion:278 Resp: 33617

Ion Ratio Lower Upper

278 100

139 15.2 15.9 23.9#

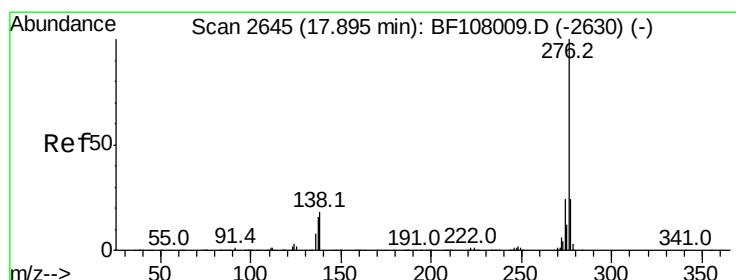
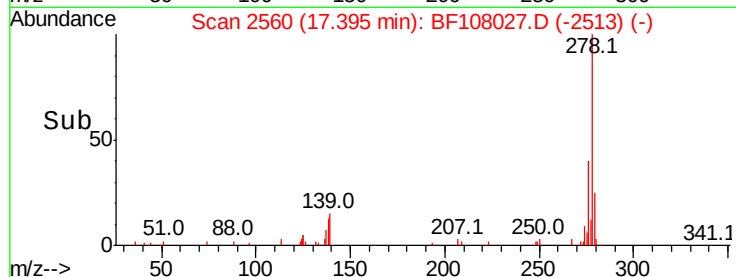
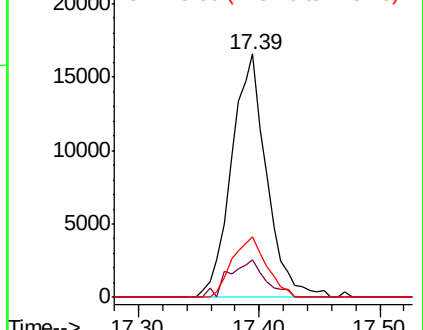
279 25.0 19.0 28.4



Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E



#91

Benzo(g,h,i)perylene

Concen: 0.829 ng

RT: 17.86 min Scan# 2639

Delta R.T. -0.04 min

Lab File: BF108027.D

Acq: 8 Aug 2018 18:44

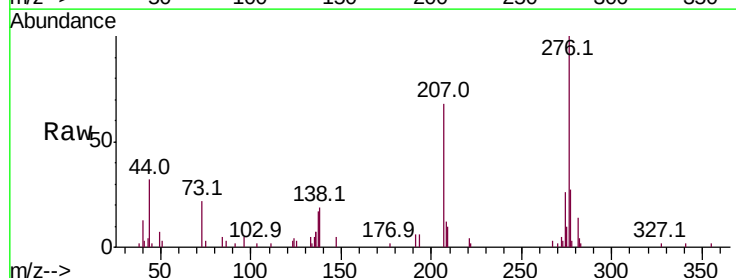
Tgt Ion:276 Resp: 33438

Ion Ratio Lower Upper

276 100

277 27.1 17.9 26.9#

138 19.4 21.8 32.8#



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

