

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF102318\
 Data File : BF110091.D
 Acq On : 23 Oct 2018 21:32
 Operator : JU/SJ
 Sample : J5164-07
 Misc : LOD 1PPM
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 LOD-MDL-WATER-01-QT4-2018

Quant Time: Oct 24 07:19:23 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF102318.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Oct 23 15:06:18 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.96	152	161864	20.00	ng	-0.02
21) Naphthalene-d8	8.25	136	686135	20.00	ng	-0.02
39) Acenaphthene-d10	10.00	164	338093	20.00	ng	-0.02
64) Phenanthrene-d10	11.50	188	667296	20.00	ng	-0.02
76) Chrysene-d12	14.14	240	552953	20.00	ng	-0.02
87) Perylene-d12	15.66	264	472347	20.00	ng	-0.03

System Monitoring Compounds

5) 2-Fluorophenol	5.58	112	1291240	129.91	ng	-0.02
7) Phenol-d6	6.59	99	1614239	126.97	ng	-0.02
23) Nitrobenzene-d5	7.53	82	944142	81.62	ng	-0.02
42) 2,4,6-Tribromophenol	10.80	330	432320	129.09	ng	-0.01
45) 2-Fluorobiphenyl	9.32	172	1753923	81.46	ng	-0.02
79) Terphenyl-d14	13.09	244	1854178	69.74	ng	-0.02

Target Compounds

						Qvalue
6) Aniline	6.63	93	12204	0.737	ng	# 54
8) 2-Chlorophenol	6.75	128	12780	1.115	ng	92
9) Benzaldehyde	6.52	77	8608	0.168	ng	96
10) Phenol	6.59	94	13934	1.025	ng	# 50
11) bis(2-Chloroethyl)ether	6.69	93	11777	1.053	ng	91
12) 1,3-Dichlorobenzene	6.90	146	13600	1.078	ng	94
13) 1,4-Dichlorobenzene	6.98	146	13527	1.061	ng	95
14) 1,2-Dichlorobenzene	7.13	146	13270	1.121	ng	99
15) Benzyl Alcohol	7.12	79	24084	2.463	ng	# 45
16) 2,2'-oxybis(1-Chloropropan	7.23	45	20305	1.136	ng	70
18) Hexachloroethane	7.47	117	4618	0.989	ng	94
24) Nitrobenzene	7.54	77	15520	1.299	ng	95
31) Naphthalene	8.27	128	38919	1.231	ng	98
34) Hexachlorobutadiene	8.38	225	6111	1.032	ng	# 84
37) 2-Methylnaphthalene	8.96	142	24858	1.188	ng	97
40) 1,2,4,5-Tetrachlorobenzene	9.12	216	10448	0.992	ng	96
46) 1,1'-Biphenyl	9.42	154	35762	1.170	ng	98
47) 2-Chloronaphthalene	9.45	162	24371	1.087	ng	100
48) 2-Nitroaniline	9.55	65	6215	0.915	ng	91
49) Acenaphthylene	9.87	152	36784	1.136	ng	98
50) Dimethylphthalate	9.71	163	27586	1.105	ng	99
51) 2,6-Dinitrotoluene	9.78	165	5005	0.931	ng	96
52) Acenaphthene	10.04	154	24896	1.162	ng	97
55) Dibenzofuran	10.21	168	33990	1.133	ng	97
58) Fluorene	10.56	166	27843	1.247	ng	96
59) 2,3,4,6-Tetrachlorophenol	10.33	232	5192	0.887	ng	# 99
60) Diethylphthalate	10.42	149	26449	1.086	ng	98
63) Azobenzene	10.70	77	25827	1.068	ng	99
66) n-Nitrosodiphenylamine	10.66	169	23245	1.062	ng	95
67) 4-Bromophenyl-phenylether	11.04	248	7500	1.036	ng	93
68) Hexachlorobenzene	11.10	284	8062	1.050	ng	96
69) Atrazine	11.18	200	6820	0.986	ng	98
71) Phenanthrene	11.52	178	42099	1.206	ng	98
72) Anthracene	11.57	178	43421	1.241	ng	96

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

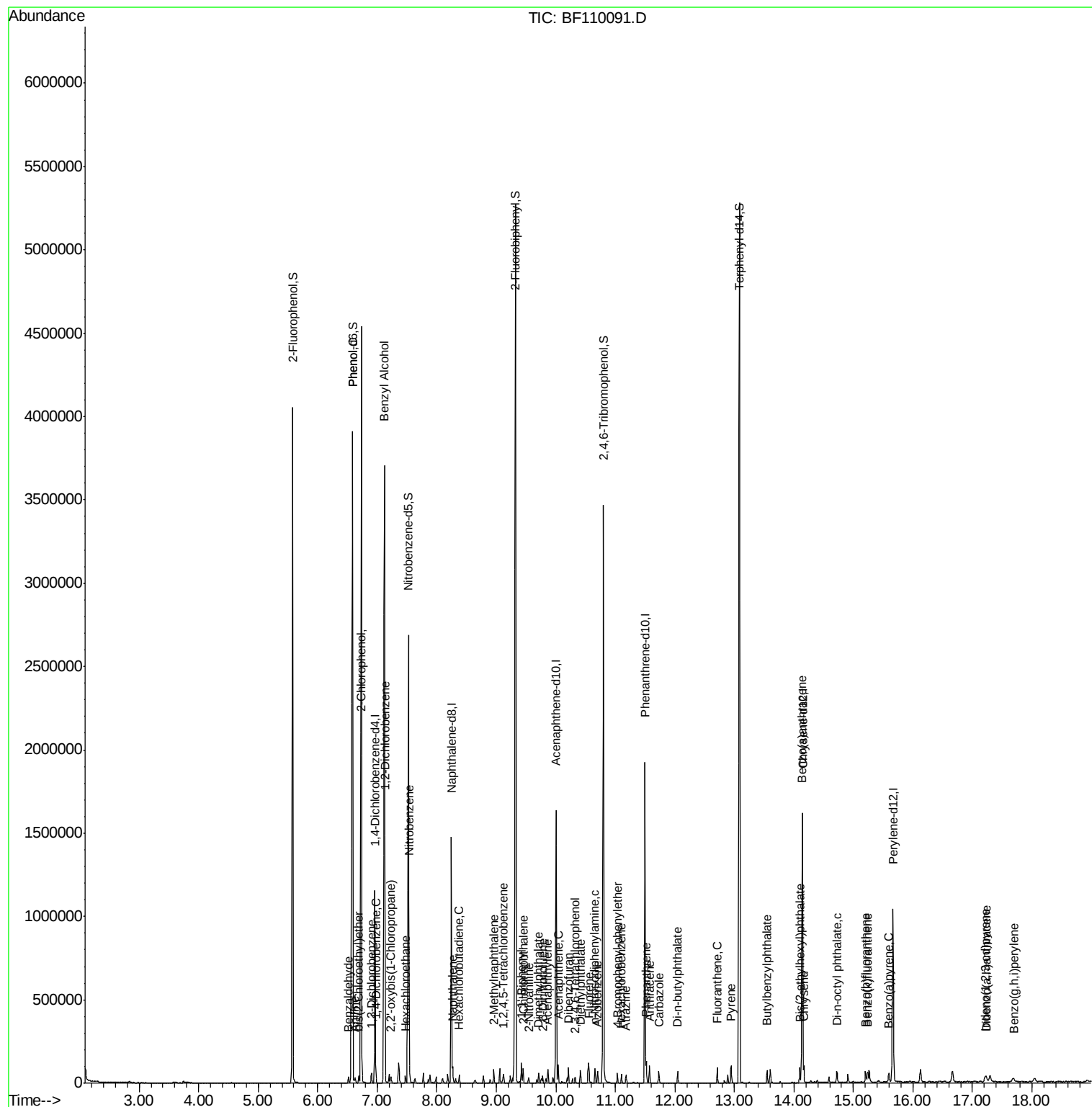
73) Carbazole	11.73	167	34700	1.015	ng	97
74) Di-n-butylphthalate	12.05	149	39283	1.018	ng	96
75) Fluoranthene	12.72	202	41535	1.172	ng	99
78) Pyrene	12.94	202	42421	1.070	ng	94
80) Butylbenzylphthalate	13.55	149	15586	0.906	ng	90
81) Benzo(a)anthracene	14.13	228	38683	1.180	ng	98
83) Chrysene	14.17	228	35795	1.149	ng	95
84) Bis(2-ethylhexyl)phthalate	14.10	149	21766	0.936	ng #	95
85) Di-n-octyl phthalate	14.72	149	32860	0.909	ng #	95
86) Indeno(1,2,3-cd)pyrene	17.21	276	25310	0.980	ng #	93
88) Benzo(b)fluoranthene	15.20	252	31041	1.138	ng	98
89) Benzo(k)fluoranthene	15.24	252	30747	1.147	ng	98
90) Benzo(a)pyrene	15.59	252	27132	1.081	ng	99
91) Dibenzo(a,h)anthracene	17.23	278	21371	0.987	ng	98
92) Benzo(g,h,i)perylene	17.69	276	20515	0.961	ng #	93

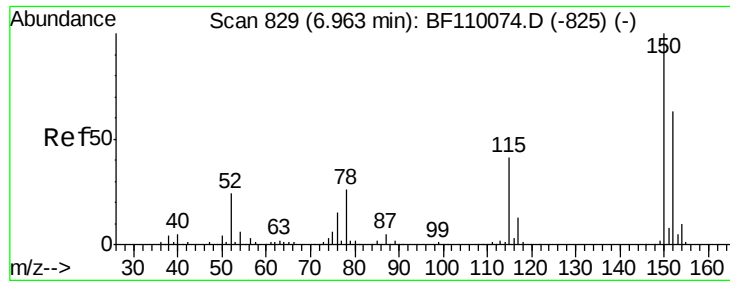
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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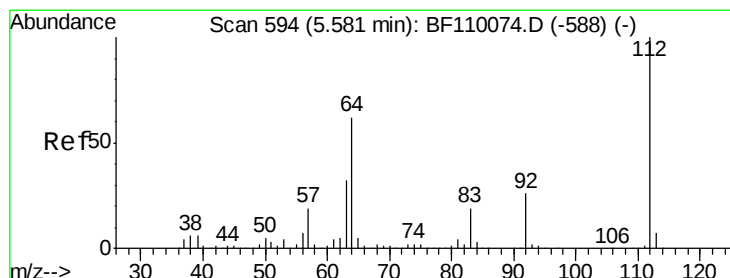
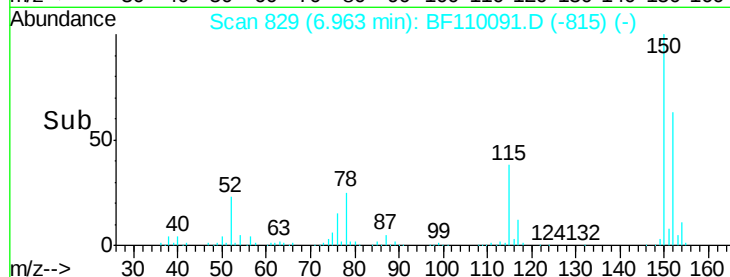
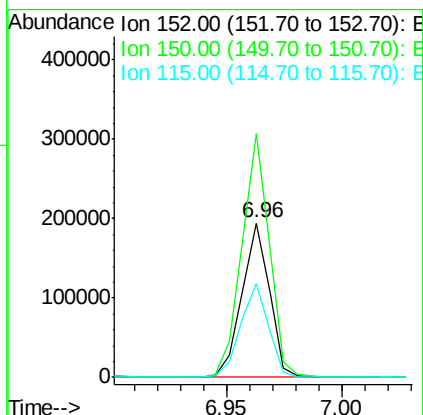
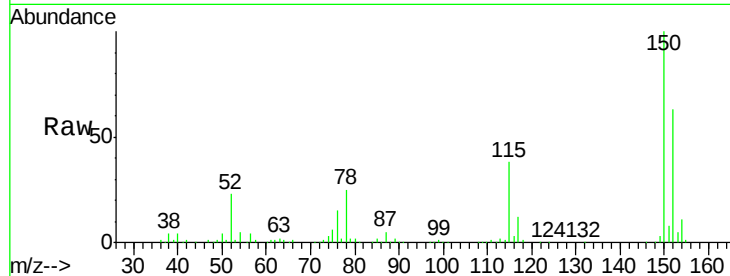




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.96 min Scan# 829
 Delta R.T. -0.02 min
 Lab File: BF110091.D
 Acq: 23 Oct 2018 21:32

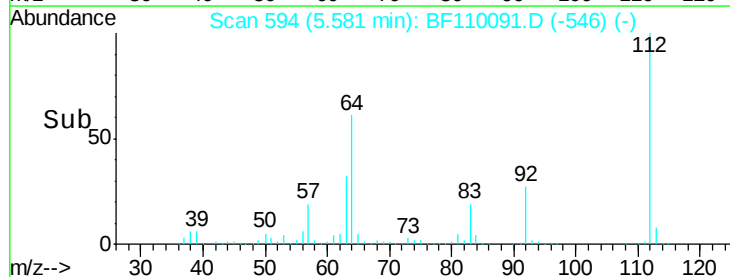
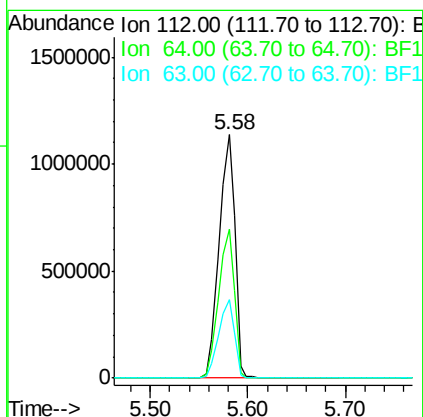
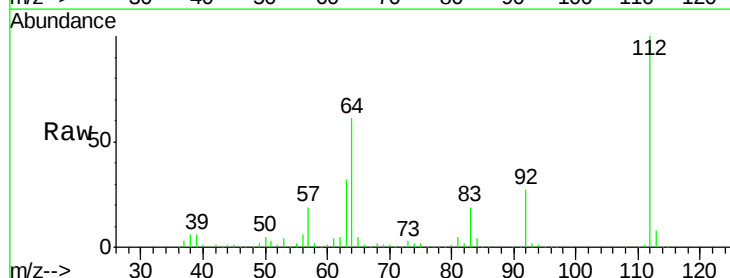
Instrument :
 BNA_F
 ClientSampleId :
 LOD-MDL-WATER-01-QT4-2018

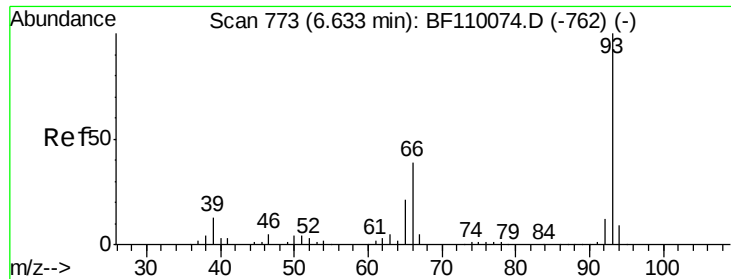
Tgt Ion:152 Resp: 161864
 Ion Ratio Lower Upper
 152 100
 150 158.0 122.7 184.1
 115 60.7 49.1 73.7



#5
 2-Fluorophenol
 Concen: 129.907 ng
 RT: 5.58 min Scan# 594
 Delta R.T. -0.02 min
 Lab File: BF110091.D
 Acq: 23 Oct 2018 21:32

Tgt Ion:112 Resp: 1291240
 Ion Ratio Lower Upper
 112 100
 64 61.2 44.1 66.1
 63 32.4 23.7 35.5





#6

Aniline

Concen: 0.737 ng

RT: 6.63 min Scan# 772

Delta R.T. -0.02 min

Lab File: BF110091.D

Acq: 23 Oct 2018 21:32

Instrument :

BNA_F

ClientSampleId :

LOD-MDL-WATER-01-QT4-2018

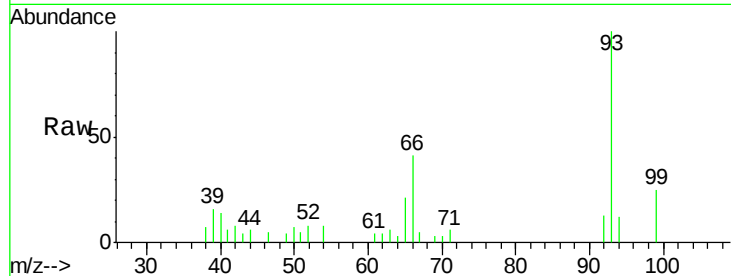
Tgt Ion: 93 Resp: 12204

Ion Ratio Lower Upper

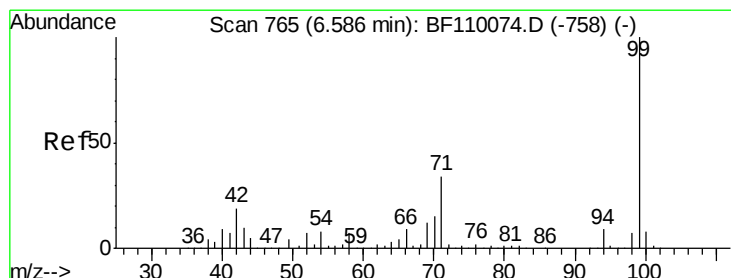
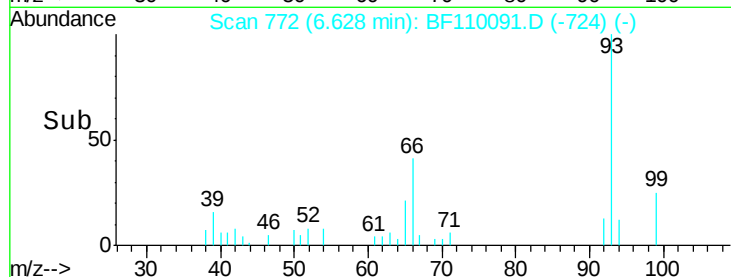
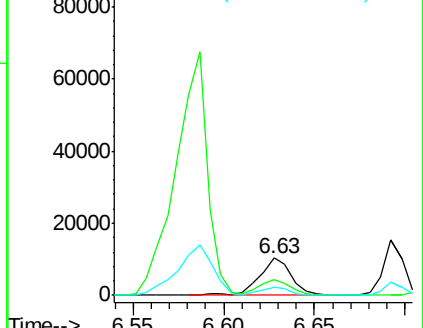
93 100

66 40.7 67.4 101.0#

65 21.2 41.0 61.4#



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: 126.968 ng

RT: 6.59 min Scan# 765

Delta R.T. -0.02 min

Lab File: BF110091.D

Acq: 23 Oct 2018 21:32

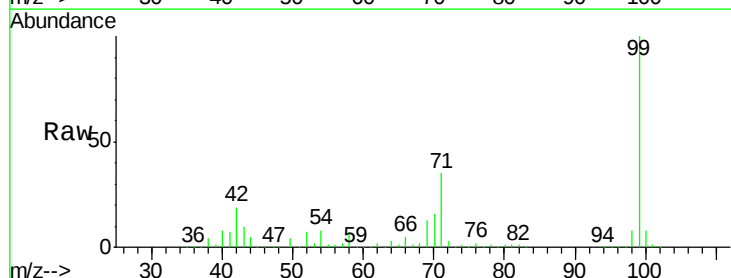
Tgt Ion: 99 Resp: 1614239

Ion Ratio Lower Upper

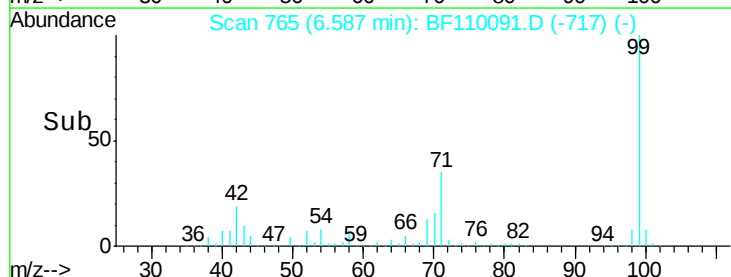
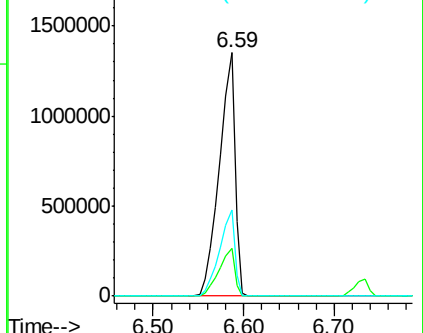
99 100

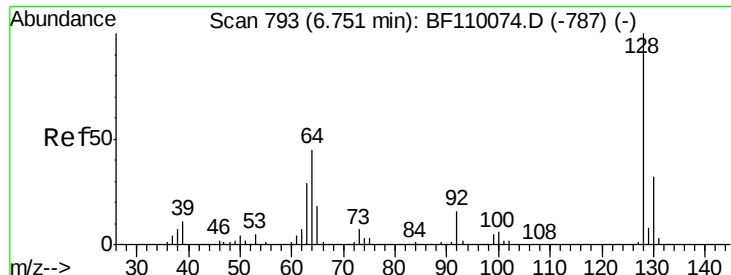
42 19.4 15.8 23.6

71 35.3 28.0 42.0



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





#8

2-Chlorophenol

Concen: 1.115 ng

RT: 6.75 min Scan# 792

Delta R.T. -0.02 min

Lab File: BF110091.D

Acq: 23 Oct 2018 21:32

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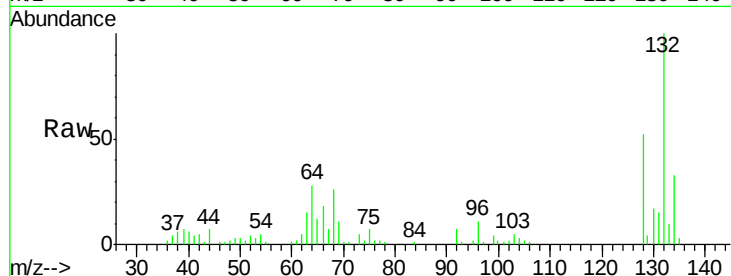
Tgt Ion:128 Resp: 12780

Ion Ratio Lower Upper

128 100

130 31.8 13.1 53.1

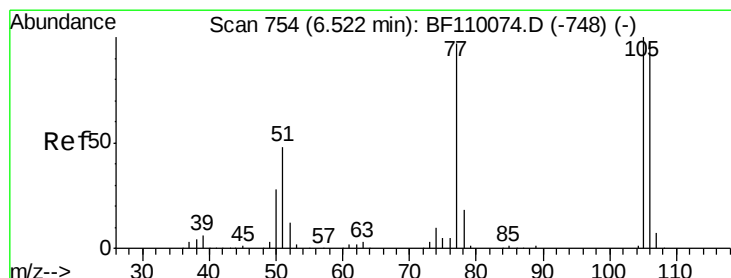
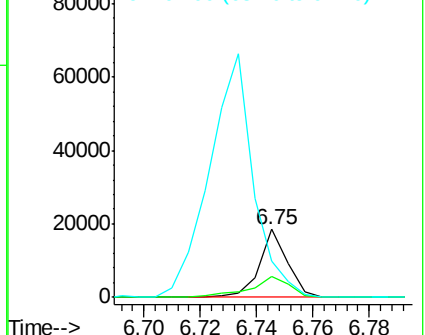
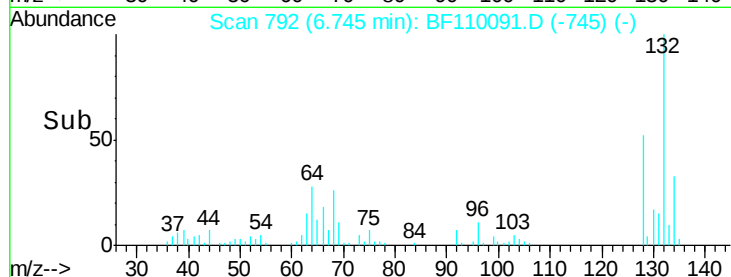
64 54.2 26.0 66.0



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: 0.168 ng

RT: 6.52 min Scan# 753

Delta R.T. -0.02 min

Lab File: BF110091.D

Acq: 23 Oct 2018 21:32

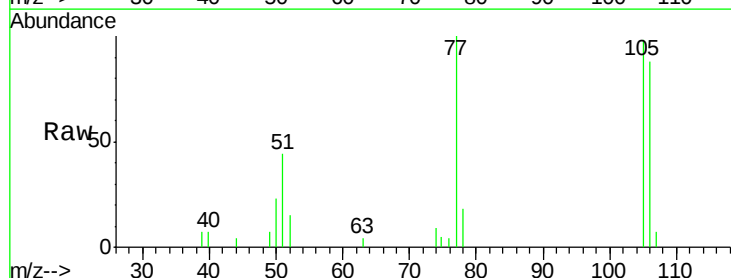
Tgt Ion: 77 Resp: 8608

Ion Ratio Lower Upper

77 100

105 97.7 78.6 118.6

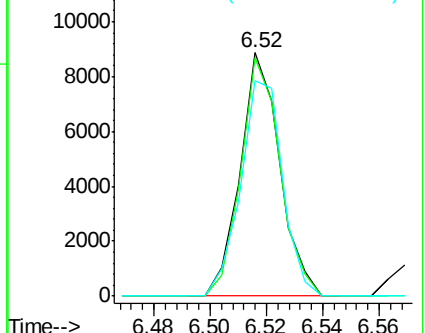
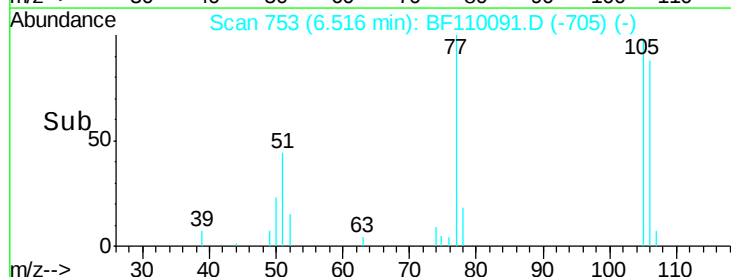
106 88.5 74.8 114.8

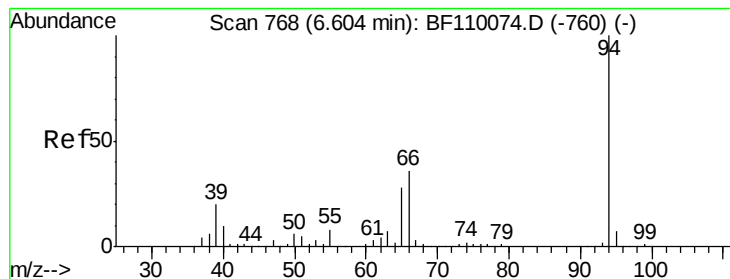


Abundance Ion 77.00 (76.70 to 77.70): BF1

Ion 105.00 (104.70 to 105.70): E

Ion 106.00 (105.70 to 106.70): E





#10

Phenol

Concen: 1.025 ng

RT: 6.59 min Scan# 766

Delta R.T. -0.02 min

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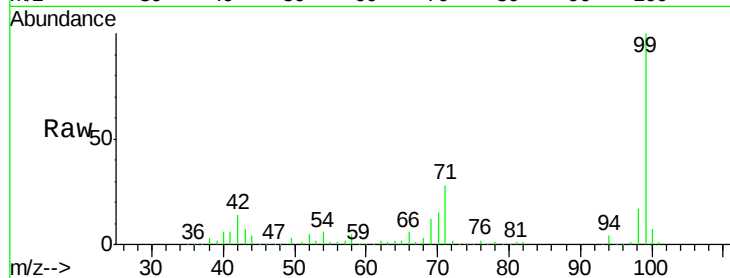
Tgt Ion: 94 Resp: 13934

Ion Ratio Lower Upper

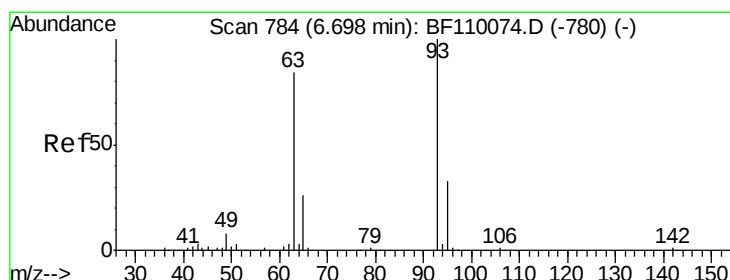
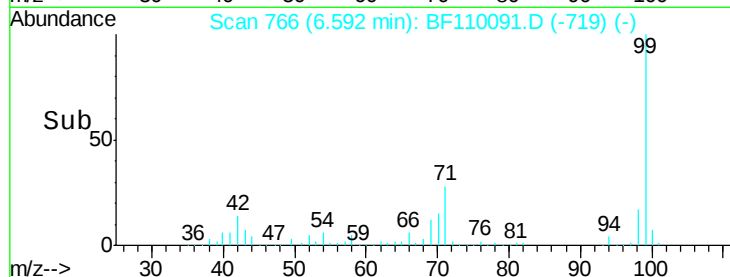
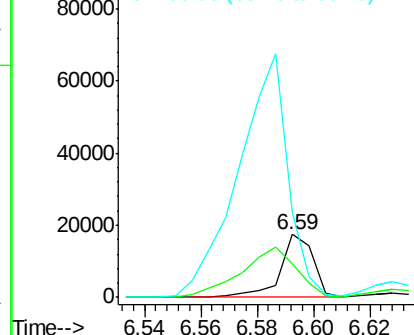
94 100

65 53.8 25.3 65.3

66 135.7 54.5 94.5#



Abundance Ion 94.00 (93.70 to 94.70): BF1
Ion 65.00 (64.70 to 65.70): BF1
Ion 66.00 (65.70 to 66.70): BF1



#11

bis(2-Chloroethyl)ether

Concen: 1.053 ng

RT: 6.69 min Scan# 783

Delta R.T. -0.02 min

Lab File: BF110091.D

Acq: 23 Oct 2018 21:32

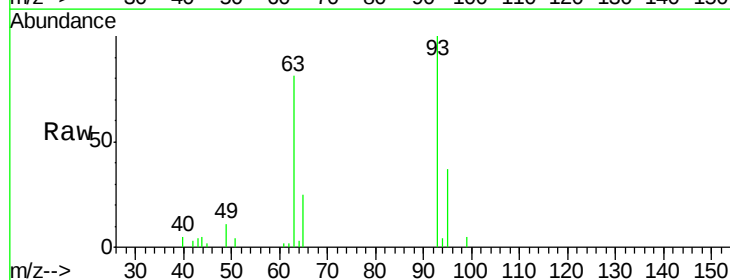
Tgt Ion: 93 Resp: 11777

Ion Ratio Lower Upper

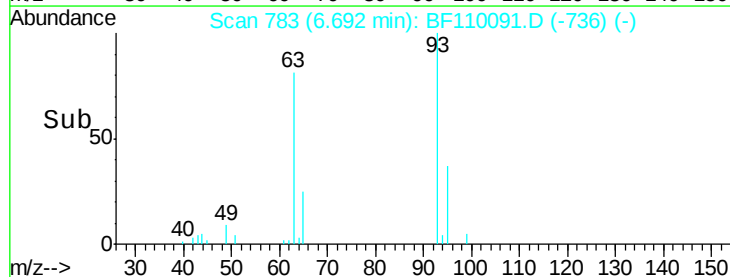
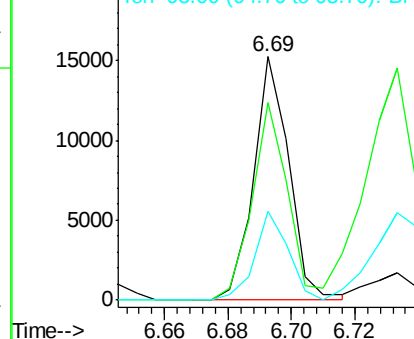
93 100

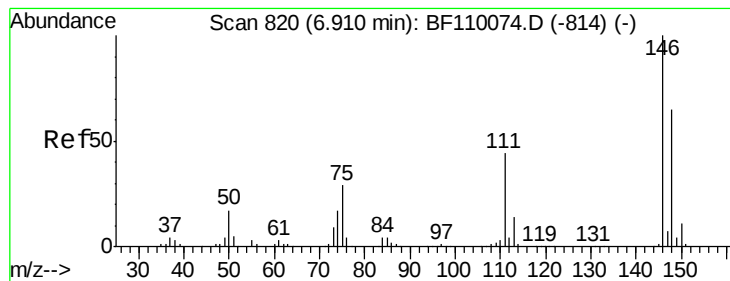
63 80.9 53.4 93.4

95 36.6 12.1 52.1



Abundance Ion 93.00 (92.70 to 93.70): BF1
Ion 63.00 (62.70 to 63.70): BF1
Ion 95.00 (94.70 to 95.70): BF1





#12

1,3-Dichlorobenzene

Concen: 1.078 ng

RT: 6.90 min Scan# 819

Delta R.T. -0.02 min

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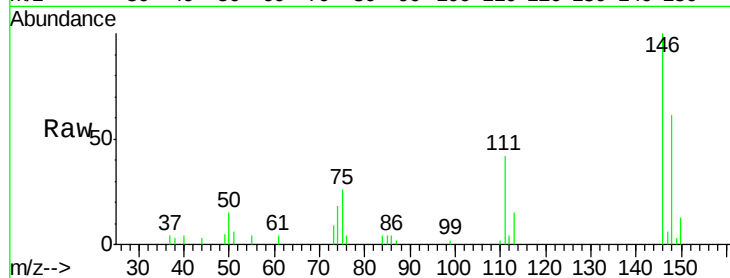
Tgt Ion:146 Resp: 13600

Ion Ratio Lower Upper

146 100

148 60.7 50.4 75.6

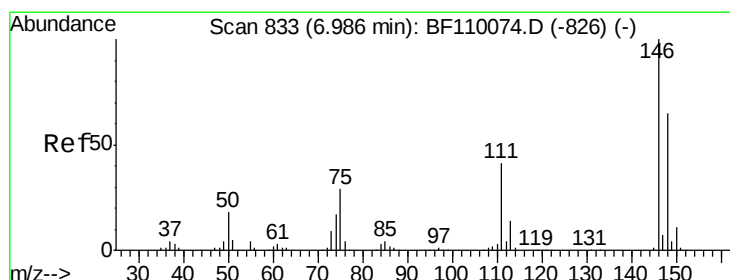
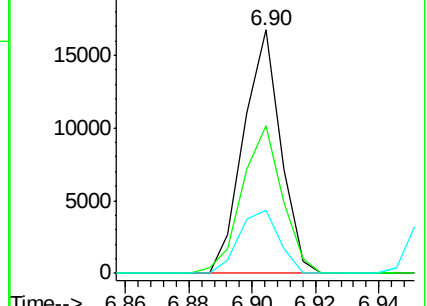
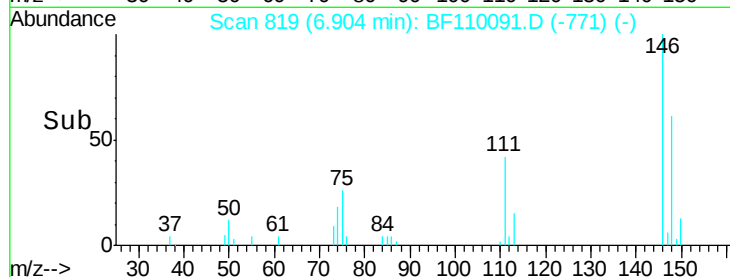
75 26.1 25.8 38.6



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: 1.061 ng

RT: 6.98 min Scan# 832

Delta R.T. -0.02 min

Lab File: BF110091.D

Acq: 23 Oct 2018 21:32

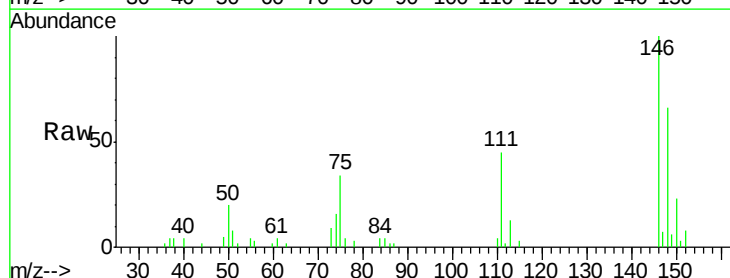
Tgt Ion:146 Resp: 13527

Ion Ratio Lower Upper

146 100

148 65.5 50.3 75.5

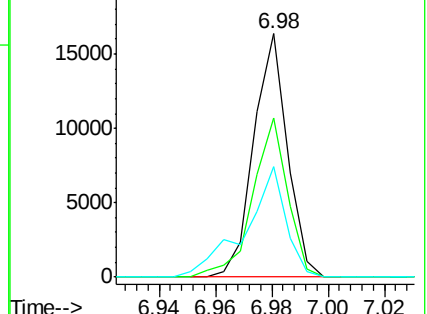
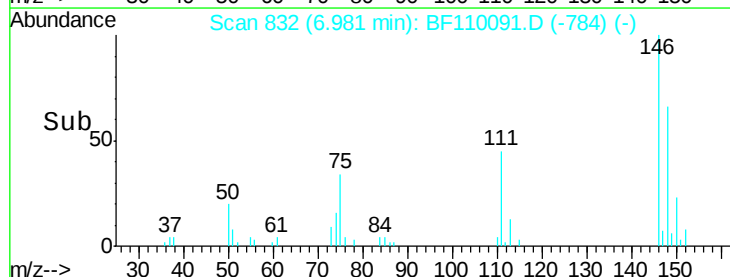
111 45.2 32.7 49.1

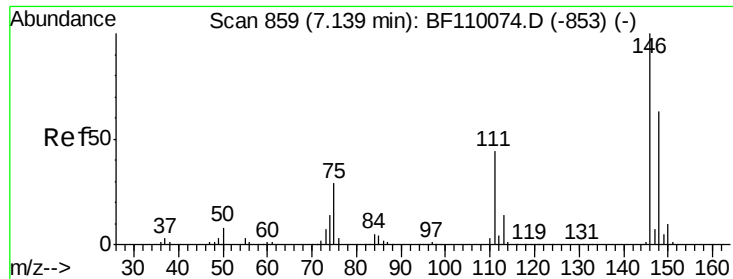


Abundance Ion 146.00 (145.70 to 146.70): E

Ion 148.00 (147.70 to 148.70): E

Ion 111.00 (110.70 to 111.70): E





#14

1,2-Dichlorobenzene

Concen: 1.121 ng

RT: 7.13 min Scan# 858

Delta R.T. -0.02 min

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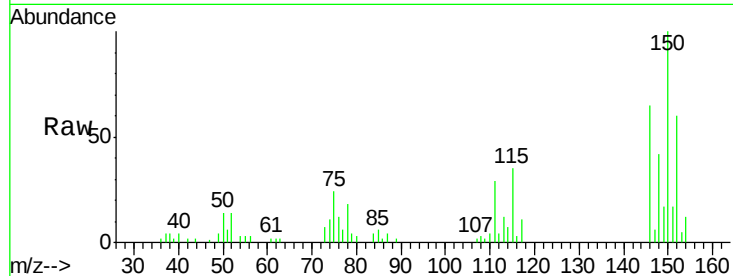
Tgt Ion:146 Resp: 13270

Ion Ratio Lower Upper

146 100

148 65.2 51.1 76.7

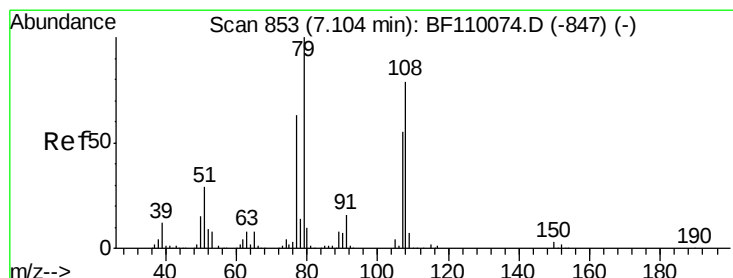
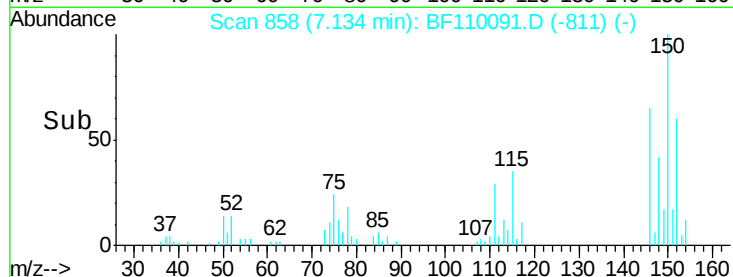
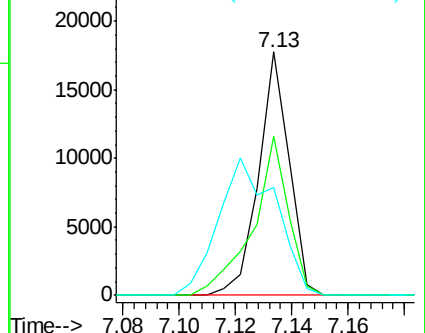
111 44.1 35.8 53.6



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: 2.463 ng

RT: 7.12 min Scan# 856

Delta R.T. -0.00 min

Lab File: BF110091.D

Acq: 23 Oct 2018 21:32

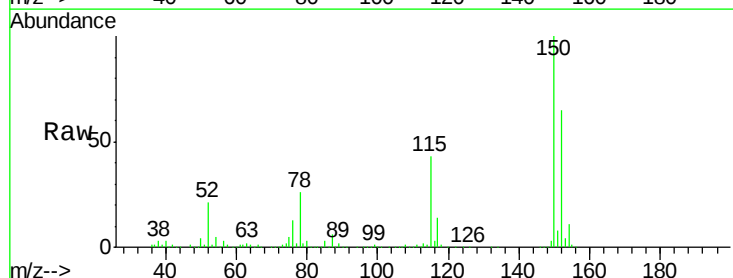
Tgt Ion: 79 Resp: 24084

Ion Ratio Lower Upper

79 100

108 34.3 56.3 84.5#

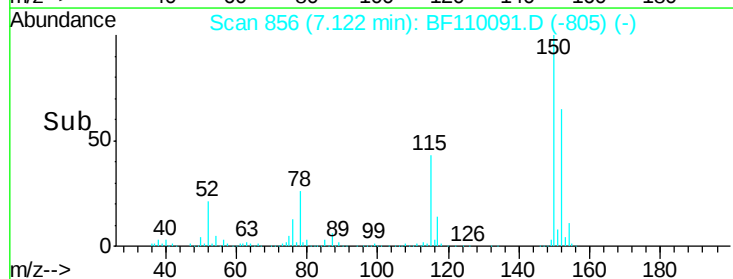
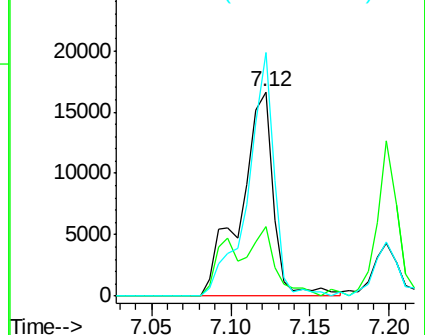
77 119.2 52.9 79.3#

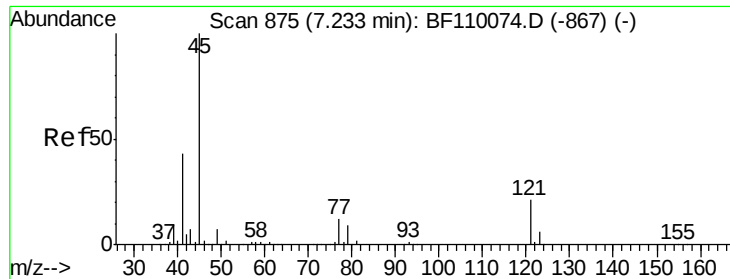


Abundance Ion 79.00 (78.70 to 79.70): BF1

Ion 108.00 (107.70 to 108.70): E

Ion 77.00 (76.70 to 77.70): BF1

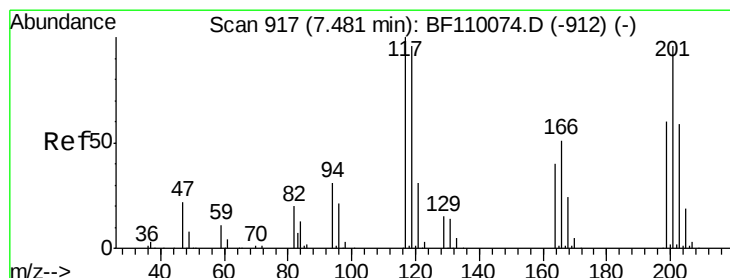
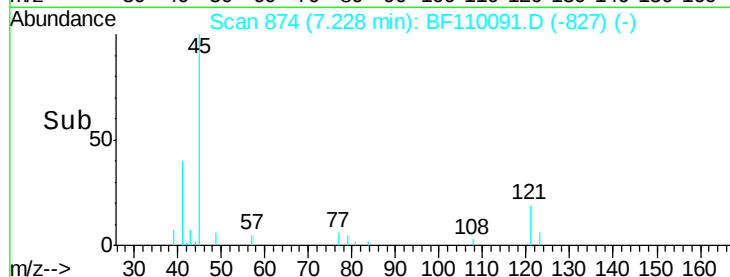
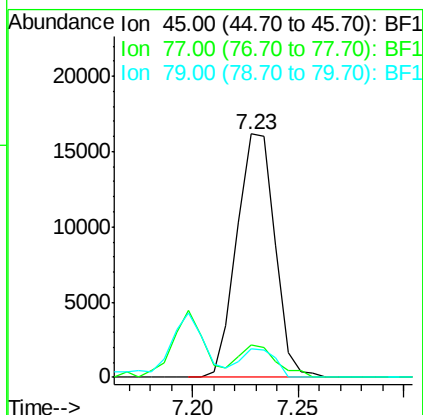
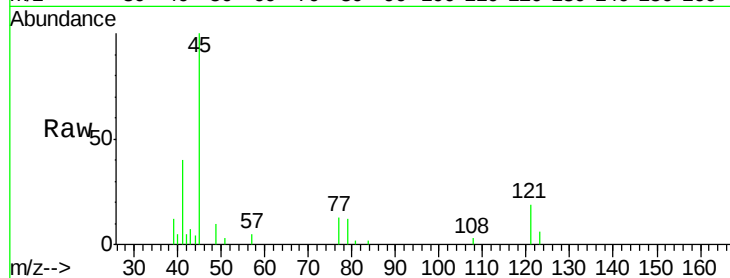




#16
2,2'-oxybis(1-chloropropane)
Concen: 1.136 ng
RT: 7.23 min Scan# 874
Delta R.T. -0.02 min
Lab File: BF110091.D
Acq: 23 Oct 2018 21:32

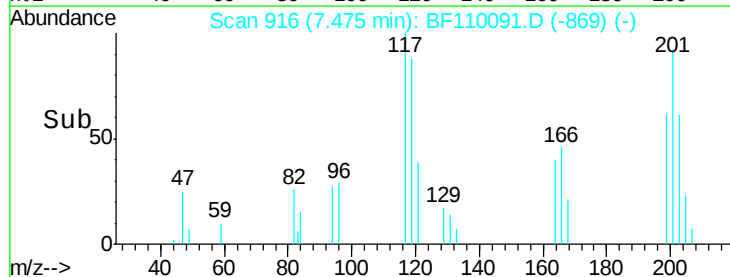
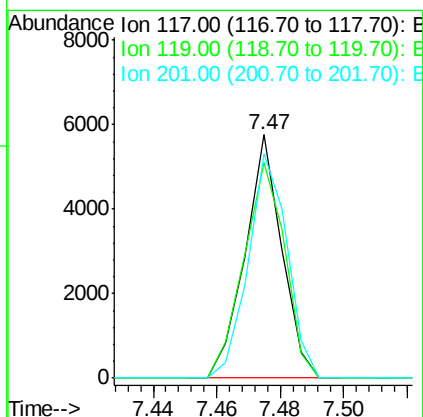
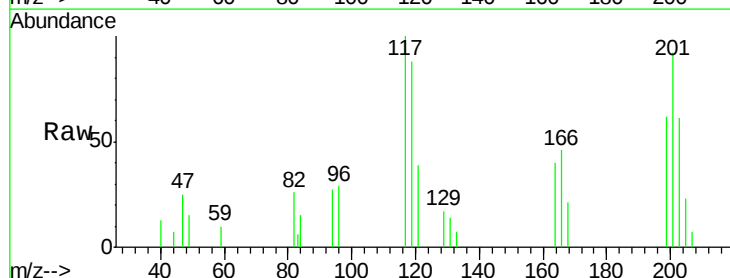
Instrument :
BNA_F
ClientSampleId :
LOD-MDL-WATER-01-QT4-2018

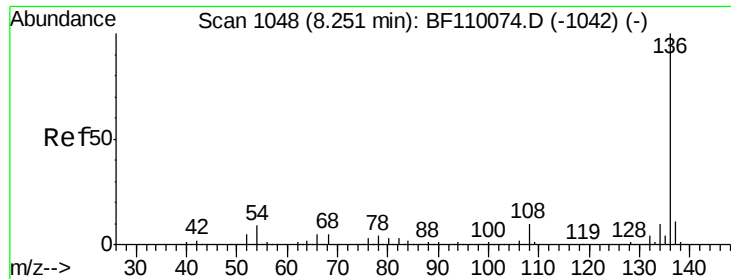
Tgt Ion: 45 Resp: 20305
Ion Ratio Lower Upper
45 100
77 13.4 10.0 50.0
79 11.6 6.1 46.1



#18
Hexachloroethane
Concen: 0.989 ng
RT: 7.47 min Scan# 916
Delta R.T. -0.02 min
Lab File: BF110091.D
Acq: 23 Oct 2018 21:32

Tgt Ion: 117 Resp: 4618
Ion Ratio Lower Upper
117 100
119 88.3 75.0 112.6
201 91.9 79.2 118.8

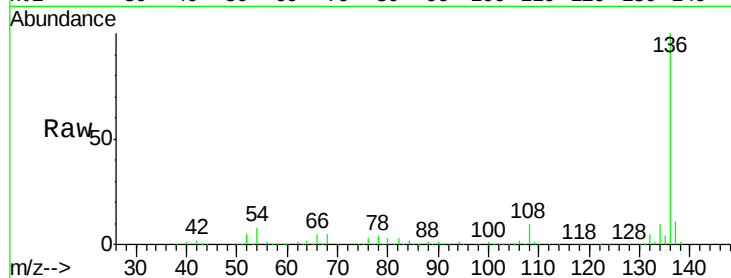




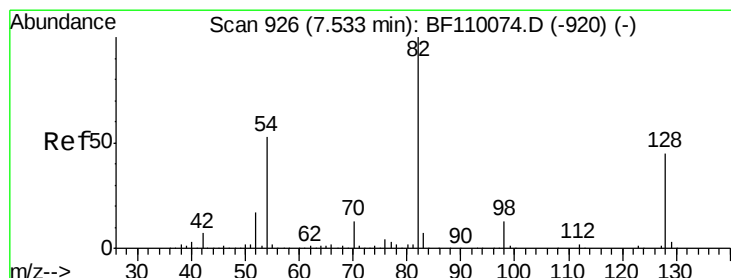
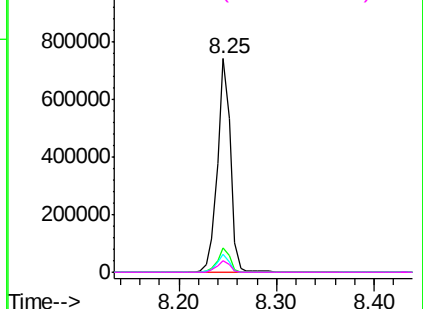
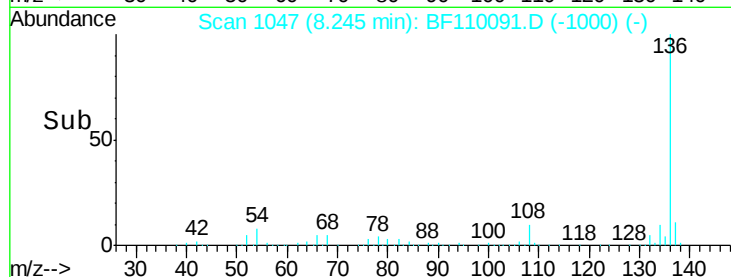
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.25 min Scan# 1047
Delta R.T. -0.02 min
Lab File: BF110091.D
Acq: 23 Oct 2018 21:32

Instrument :
BNA_F
ClientSampleId :
LOD-MDL-WATER-01-QT4-2018

Tgt Ion:	136	Resp:	686135
Ion	Ratio	Lower	Upper
136	100		
137	11.2	8.8	13.2
54	8.4	5.4	8.2#
68	5.4	4.2	6.2

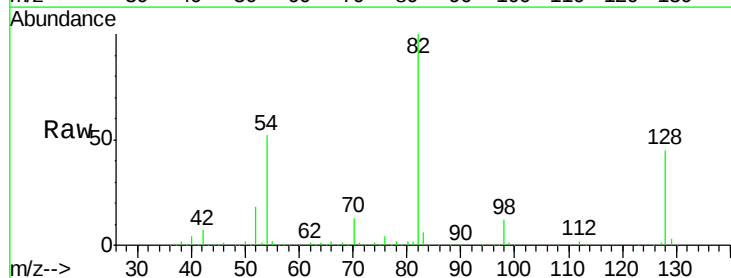


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

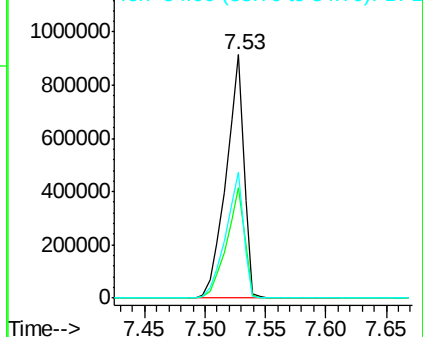
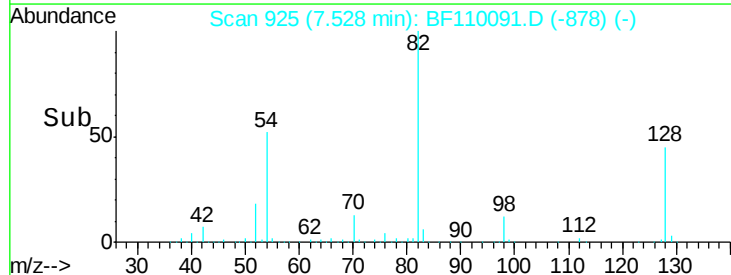


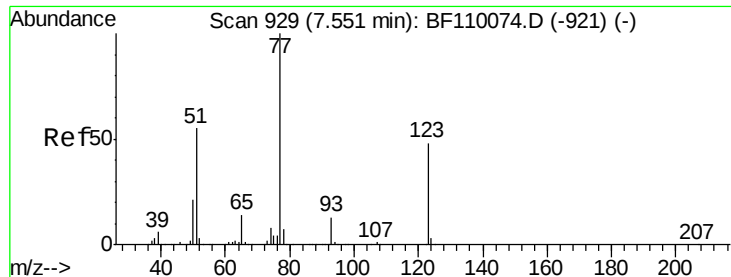
#23
Nitrobenzene-d5
Concen: 81.617 ng
RT: 7.53 min Scan# 925
Delta R.T. -0.02 min
Lab File: BF110091.D
Acq: 23 Oct 2018 21:32

Tgt Ion:	82	Resp:	944142
Ion	Ratio	Lower	Upper
82	100		
128	45.4	34.2	51.2
54	51.7	38.6	58.0



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

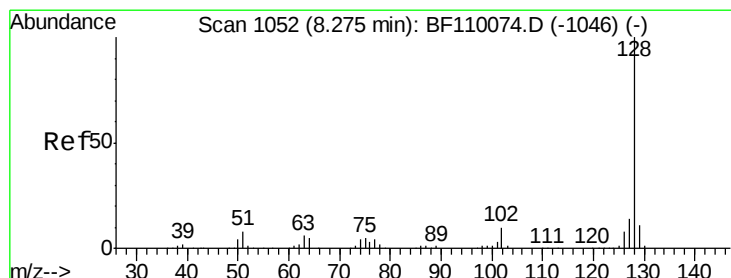
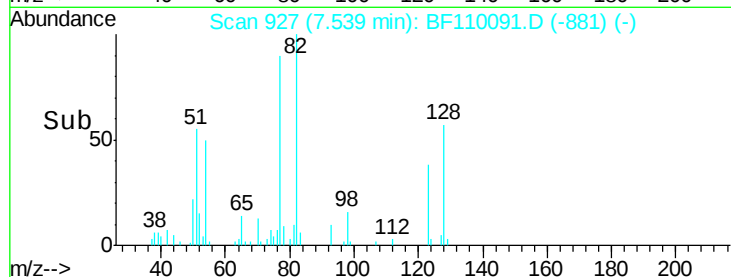
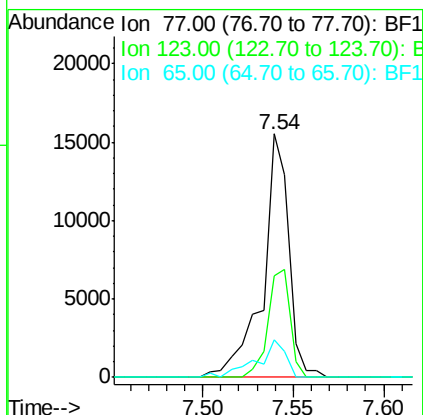
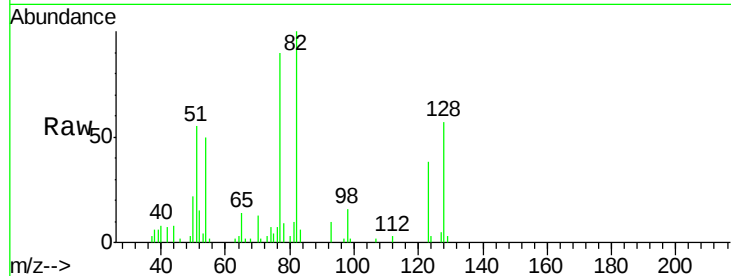




#24
Nitrobenzene
Concen: 1.299 ng
RT: 7.54 min Scan# 927
Delta R.T. -0.03 min
Lab File: BF110091.D
Acq: 23 Oct 2018 21:32

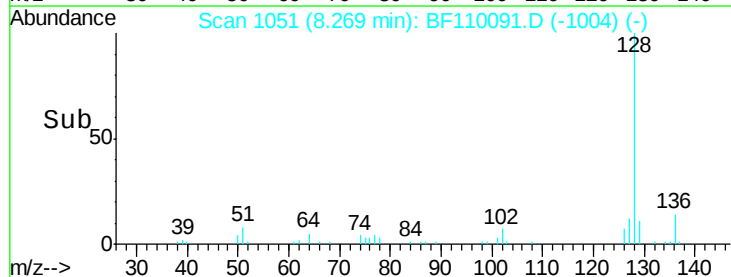
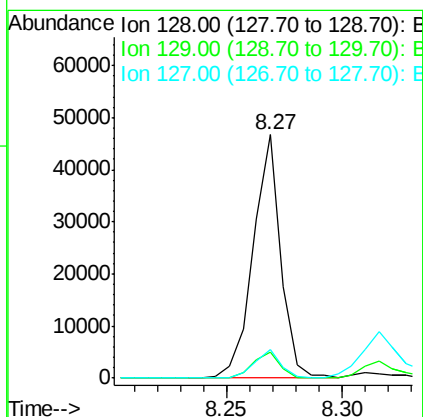
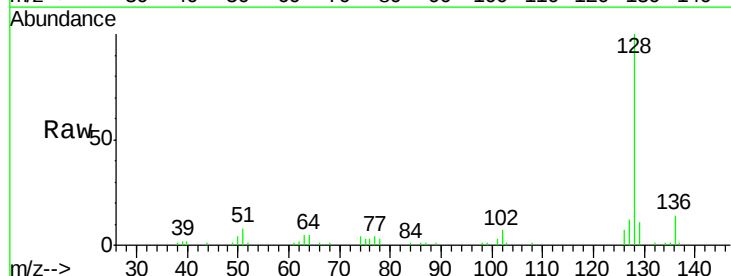
Instrument :
BNA_F
ClientSampleId :
LOD-MDL-WATER-01-QT4-2018

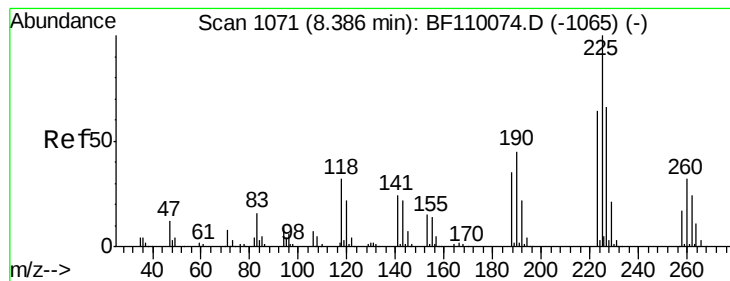
Tgt Ion: 77 Resp: 15520
Ion Ratio Lower Upper
77 100
123 41.8 35.7 53.5
65 15.6 10.7 16.1



#31
Naphthalene
Concen: 1.231 ng
RT: 8.27 min Scan# 1051
Delta R.T. -0.02 min
Lab File: BF110091.D
Acq: 23 Oct 2018 21:32

Tgt Ion: 128 Resp: 38919
Ion Ratio Lower Upper
128 100
129 10.9 8.8 13.2
127 11.9 10.8 16.2





#34

Hexachlorobutadiene

Concen: 1.032 ng

RT: 8.38 min Scan# 1070

Delta R.T. -0.02 min

Lab File: BF110091.D

Acq: 23 Oct 2018 21:32

Instrument :

BNA_F

ClientSampleId :

LOD-MDL-WATER-01-QT4-2018

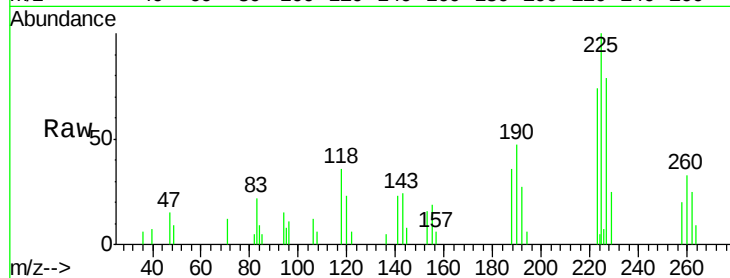
Tgt Ion: 225 Resp: 6111

Ion Ratio Lower Upper

225 100

223 73.9 51.4 77.2

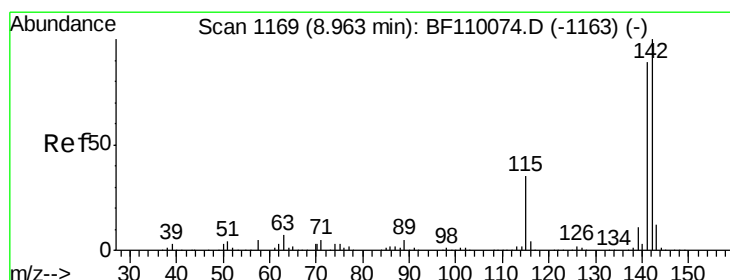
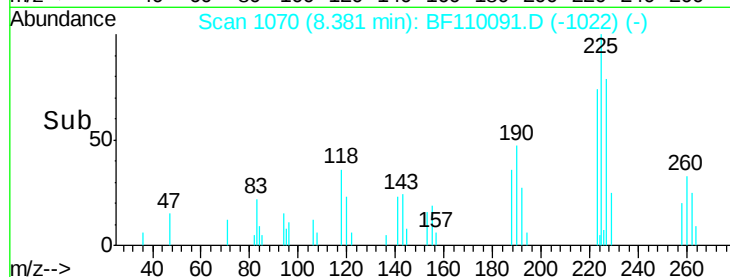
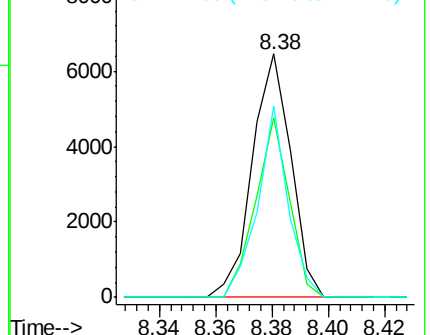
227 78.6 51.0 76.6#



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: 1.188 ng

RT: 8.96 min Scan# 1168

Delta R.T. -0.02 min

Lab File: BF110091.D

Acq: 23 Oct 2018 21:32

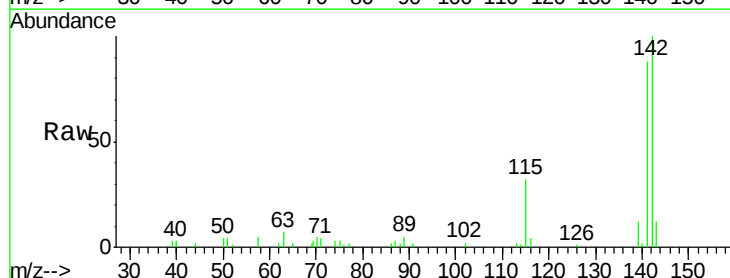
Tgt Ion: 142 Resp: 24858

Ion Ratio Lower Upper

142 100

141 87.9 71.4 107.2

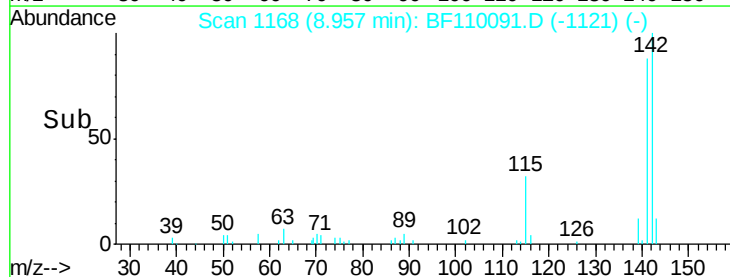
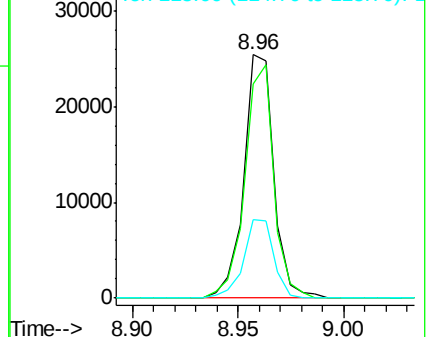
115 32.4 28.7 43.1

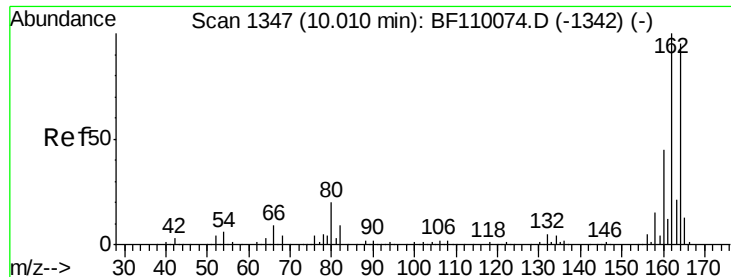


Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 10.00 min Scan# 1346

Delta R.T. -0.02 min

Lab File: BF110091.D

Acq: 23 Oct 2018 21:32

Instrument :

BNA_F

ClientSampleId :

LOD-MDL-WATER-01-QT4-2018

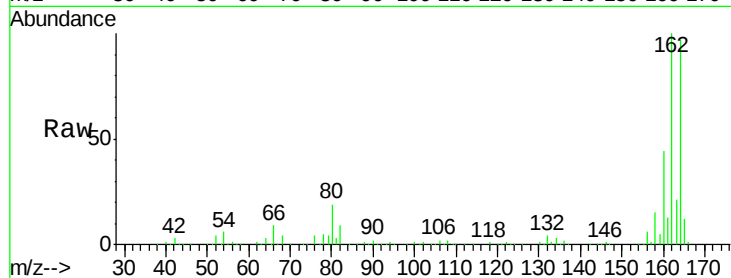
Tgt Ion:164 Resp: 338093

Ion Ratio Lower Upper

164 100

162 103.0 83.0 124.6

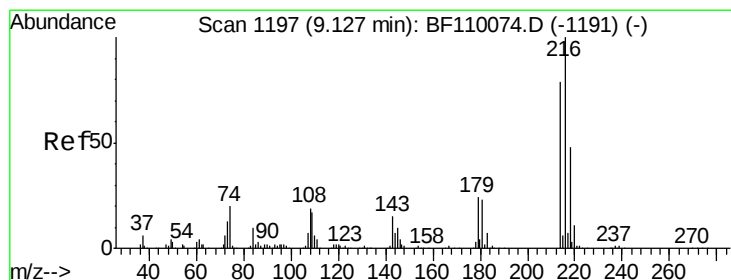
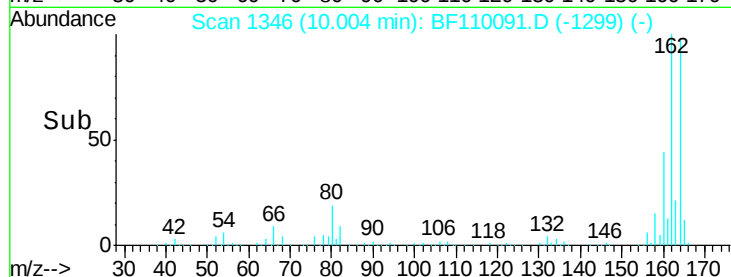
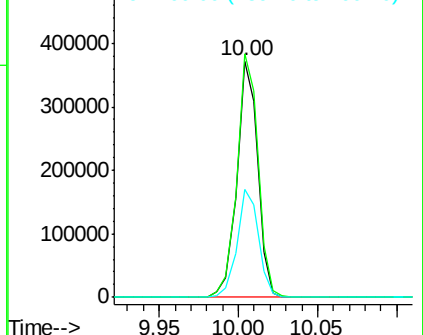
160 45.7 37.0 55.6



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



#40

1,2,4,5-Tetrachlorobenzene

Concen: 0.992 ng

RT: 9.12 min Scan# 1196

Delta R.T. -0.02 min

Lab File: BF110091.D

Acq: 23 Oct 2018 21:32

Tgt Ion:216 Resp: 10448

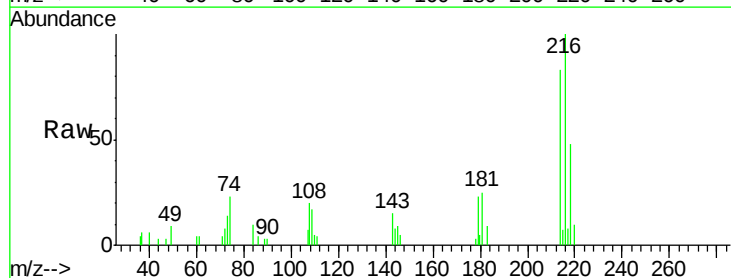
Ion Ratio Lower Upper

216 100

214 83.4 63.8 95.6

179 20.1 16.6 25.0

108 20.1 15.1 22.7

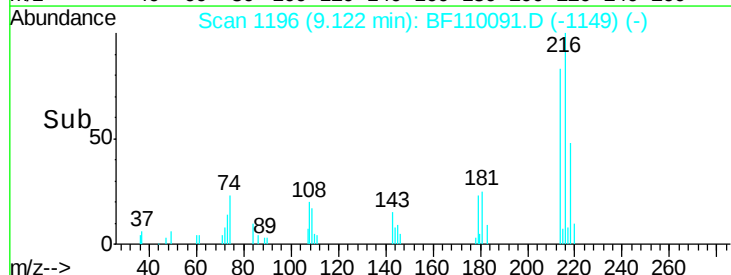
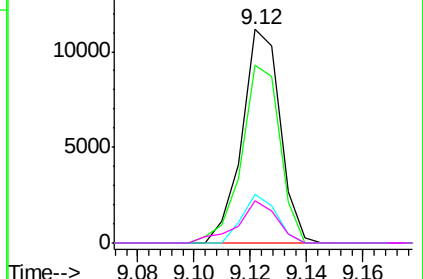


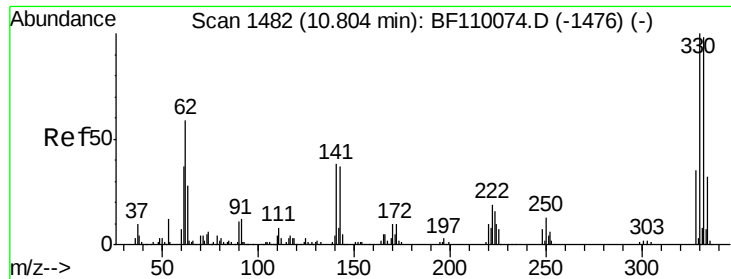
Abundance Ion 216.00 (215.70 to 216.70): E

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





#42

2,4,6-Tribromophenol

Concen: 129.088 ng

RT: 10.80 min Scan# 1482

Delta R.T. -0.01 min

Lab File: BF110091.D

Acq: 23 Oct 2018 21:32

Instrument :

BNA_F

ClientSampleId :

LOD-MDL-WATER-01-QT4-2018

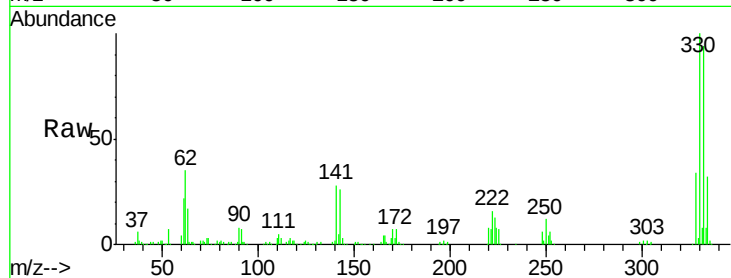
Tgt Ion:330 Resp: 432320

Ion Ratio Lower Upper

330 100

332 94.9 77.1 115.7

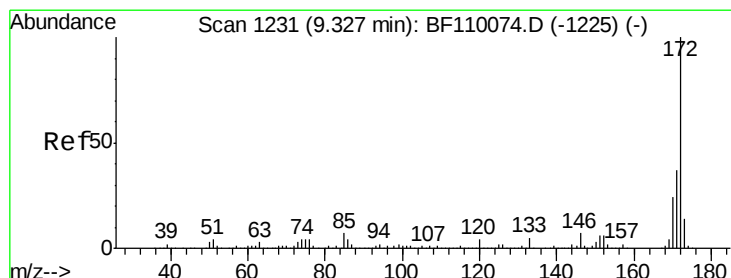
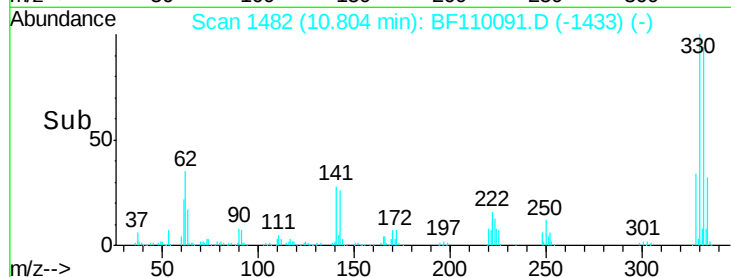
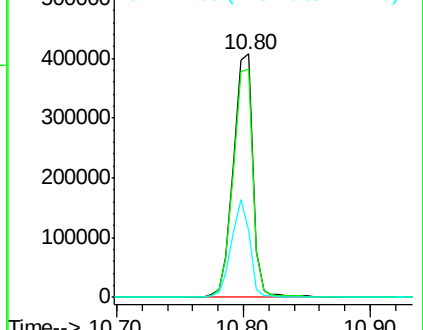
141 37.7 27.0 40.4



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: 81.460 ng

RT: 9.32 min Scan# 1230

Delta R.T. -0.02 min

Lab File: BF110091.D

Acq: 23 Oct 2018 21:32

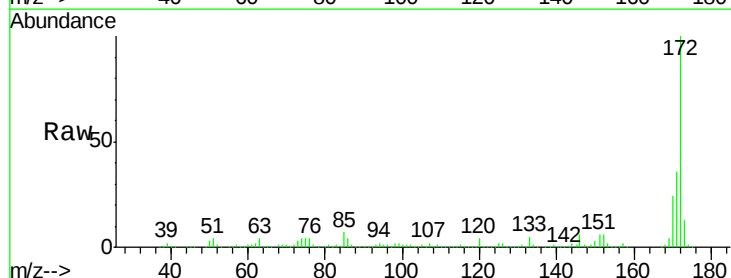
Tgt Ion:172 Resp: 1753923

Ion Ratio Lower Upper

172 100

171 36.5 28.6 43.0

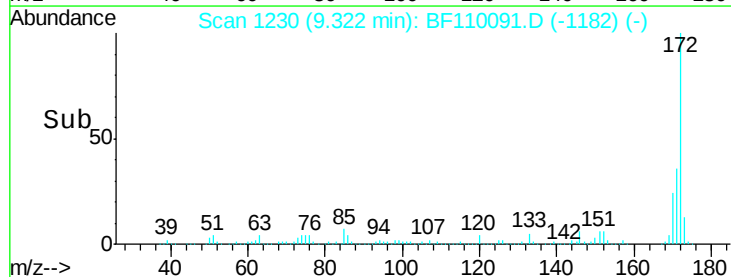
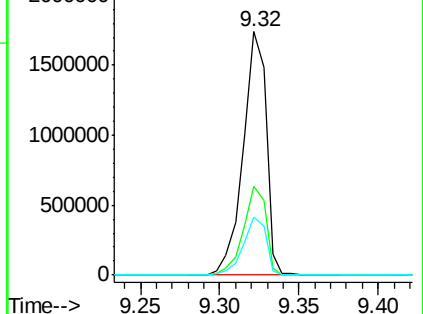
170 23.8 19.7 29.5

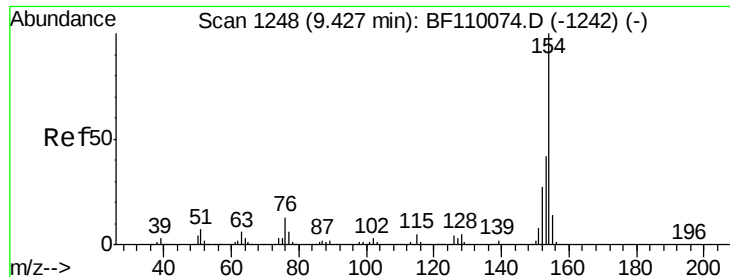


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E

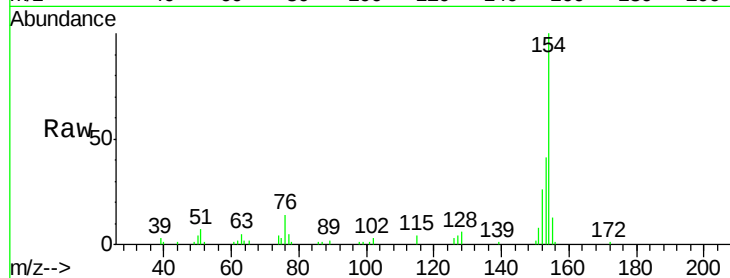




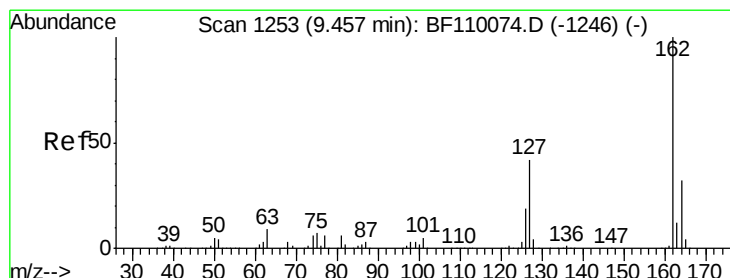
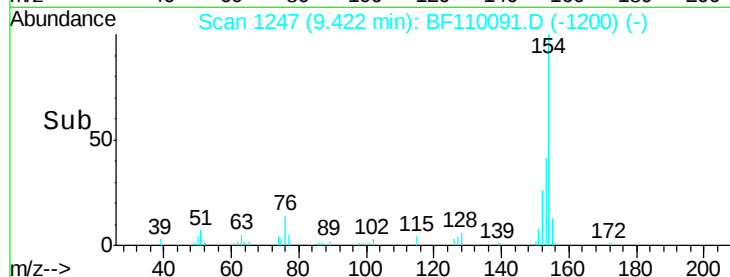
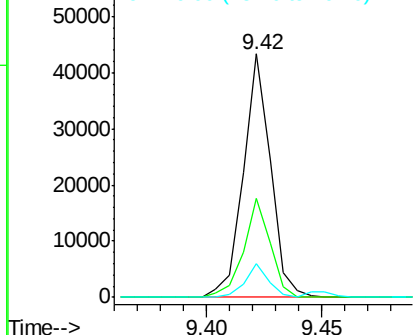
#46
 1,1'-Biphenyl
 Concen: 1.170 ng
 RT: 9.42 min Scan# 1247
 Delta R.T. -0.02 min
 Lab File: BF110091.D
 Acq: 23 Oct 2018 21:32

Instrument :
 BNA_F
 ClientSampleId :
 LOD-MDL-WATER-01-QT4-2018

Tgt Ion:154 Resp: 35762
 Ion Ratio Lower Upper
 154 100
 153 40.9 20.4 60.4
 76 13.9 0.0 31.9

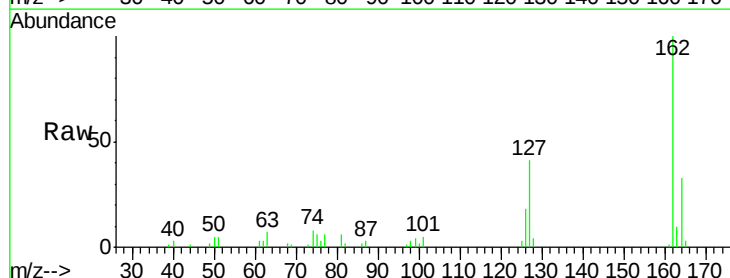


Abundance Ion 154.00 (153.70 to 154.70): E
 Ion 153.00 (152.70 to 153.70): E
 Ion 76.00 (75.70 to 76.70): BF1

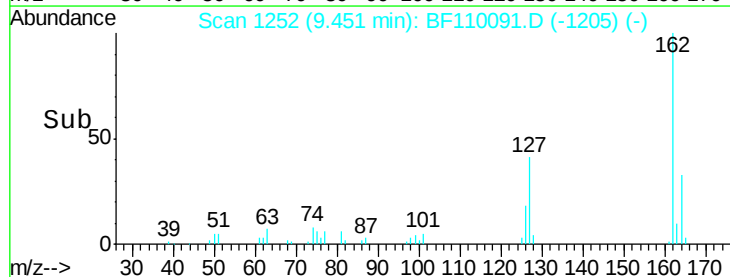
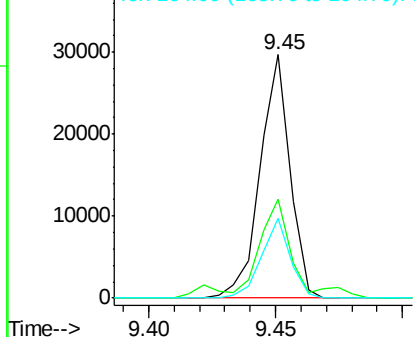


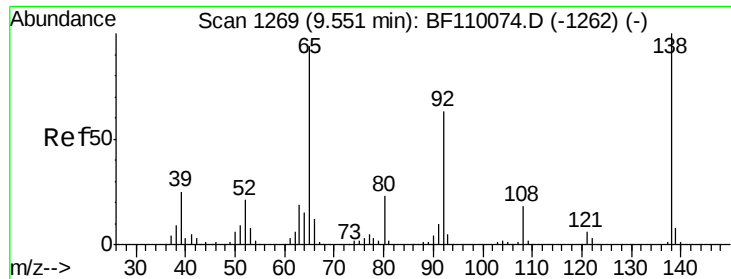
#47
 2-Chloronaphthalene
 Concen: 1.087 ng
 RT: 9.45 min Scan# 1252
 Delta R.T. -0.02 min
 Lab File: BF110091.D
 Acq: 23 Oct 2018 21:32

Tgt Ion:162 Resp: 24371
 Ion Ratio Lower Upper
 162 100
 127 40.7 32.6 48.8
 164 32.7 25.9 38.9



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

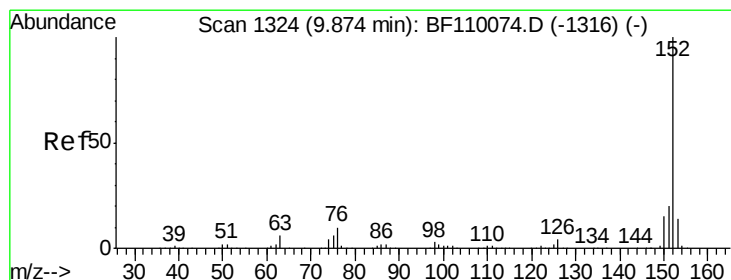
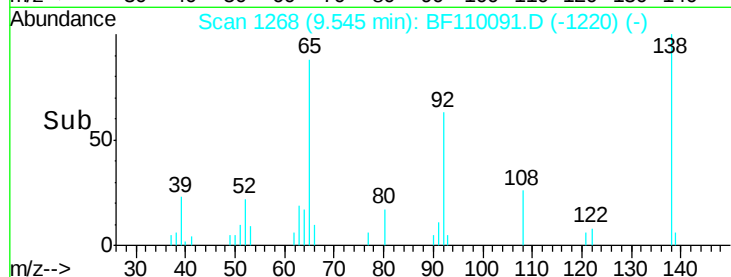
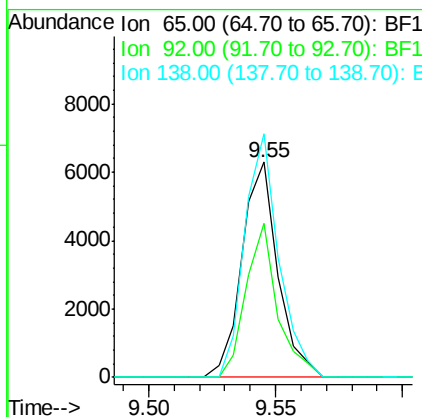
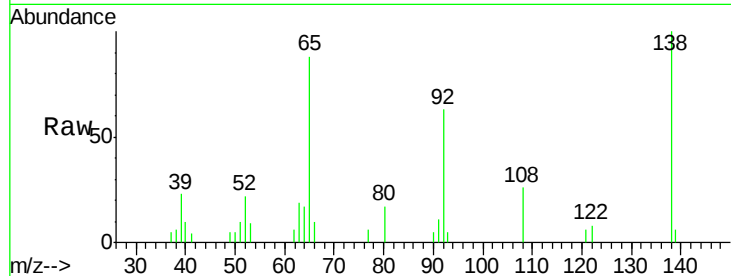




#48
2-Nitroaniline
Concen: 0.915 ng
RT: 9.55 min Scan# 1268
Delta R.T. -0.02 min
Lab File: BF110091.D
Acq: 23 Oct 2018 21:32

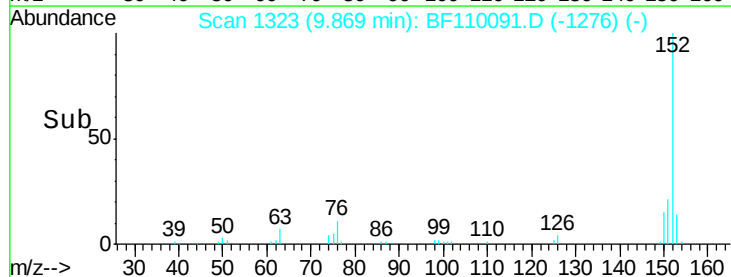
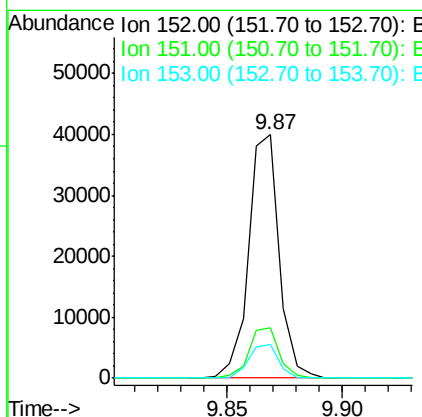
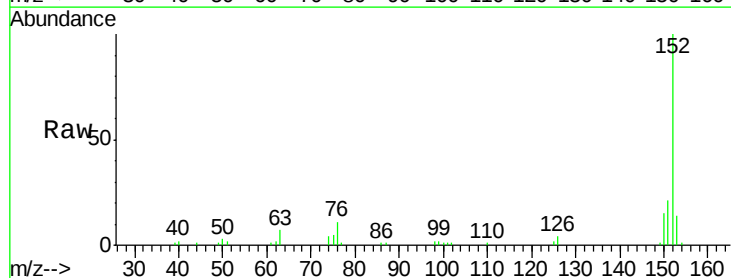
Instrument :
BNA_F
ClientSampleId :
LOD-MDL-WATER-01-QT4-2018

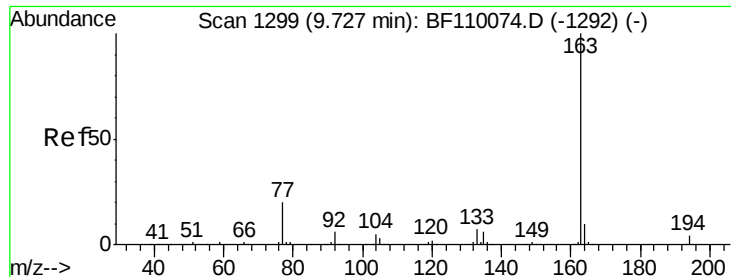
Tgt Ion: 65 Resp: 6215
Ion Ratio Lower Upper
65 100
92 71.4 54.6 81.8
138 113.1 80.3 120.5



#49
Acenaphthylene
Concen: 1.136 ng
RT: 9.87 min Scan# 1323
Delta R.T. -0.02 min
Lab File: BF110091.D
Acq: 23 Oct 2018 21:32

Tgt Ion: 152 Resp: 36784
Ion Ratio Lower Upper
152 100
151 20.6 15.8 23.8
153 14.0 10.4 15.6

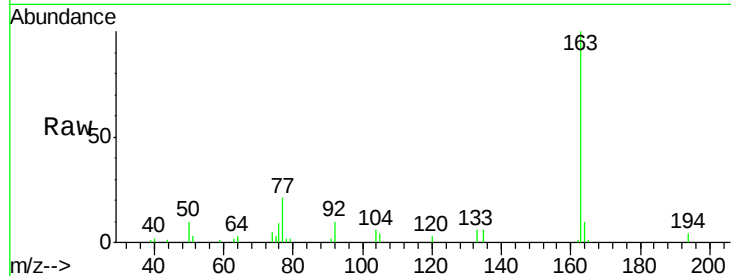




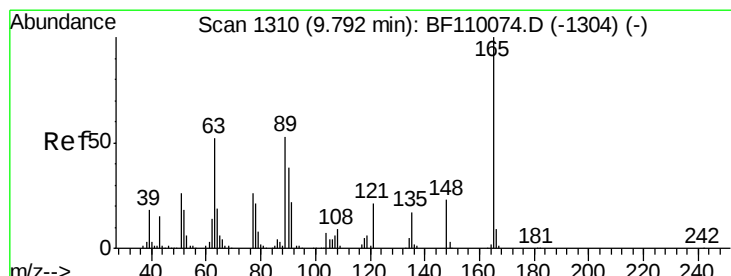
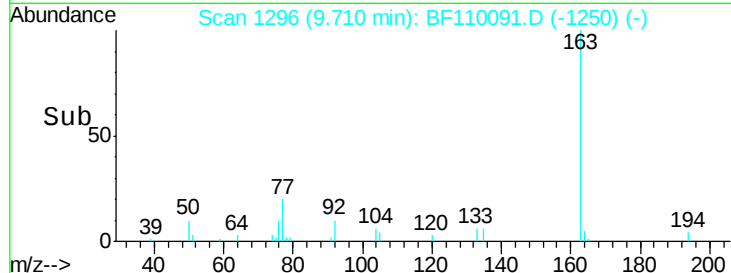
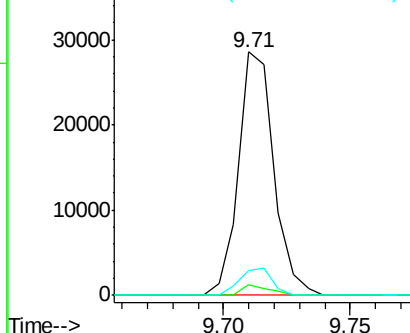
#50
Dimethylphthalate
Concen: 1.105 ng
RT: 9.71 min Scan# 1296
Delta R.T. -0.03 min
Lab File: BF110091.D
Acq: 23 Oct 2018 21:32

Instrument :
BNA_F
ClientSampleId :
LOD-MDL-WATER-01-QT4-2018

Tgt Ion:163 Resp: 27586
Ion Ratio Lower Upper
163 100
194 4.3 3.2 4.8
164 10.3 8.1 12.1

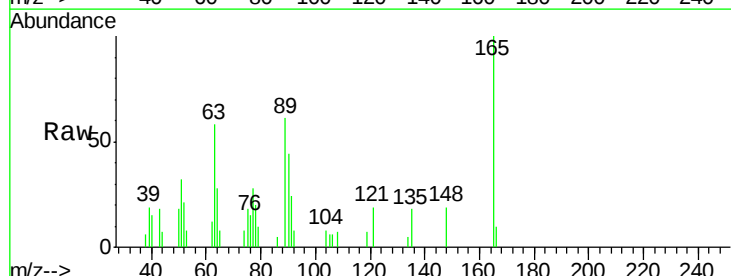


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

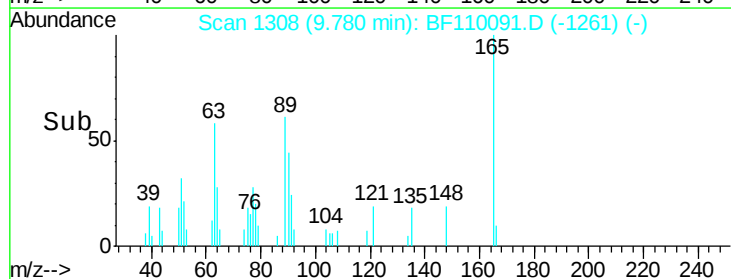
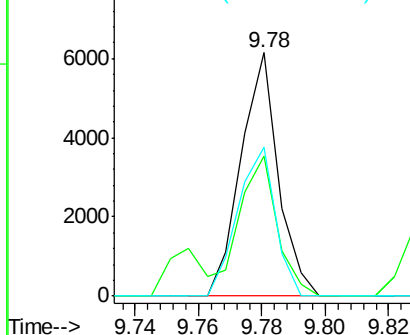


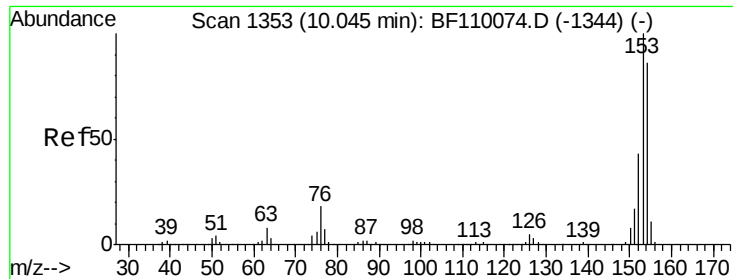
#51
2,6-Dinitrotoluene
Concen: 0.931 ng
RT: 9.78 min Scan# 1308
Delta R.T. -0.02 min
Lab File: BF110091.D
Acq: 23 Oct 2018 21:32

Tgt Ion:165 Resp: 5005
Ion Ratio Lower Upper
165 100
63 57.6 48.9 73.3
89 61.3 46.6 69.8



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





#52

Acenaphthene

Concen: 1.162 ng

RT: 10.04 min Scan# 1352

Delta R.T. -0.02 min

Lab File: BF110091.D

Acq: 23 Oct 2018 21:32

Instrument :

BNA_F

ClientSampleId :

LOD-MDL-WATER-01-QT4-2018

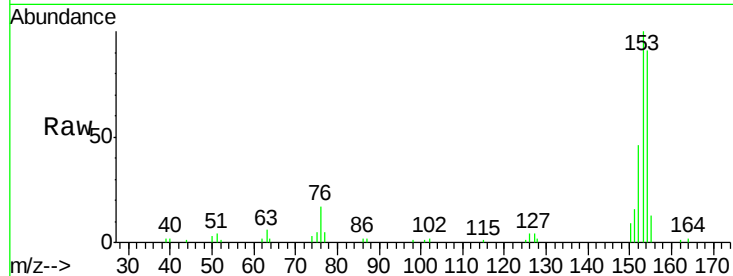
Tgt Ion:154 Resp: 24896

Ion Ratio Lower Upper

154 100

153 109.7 90.1 135.1

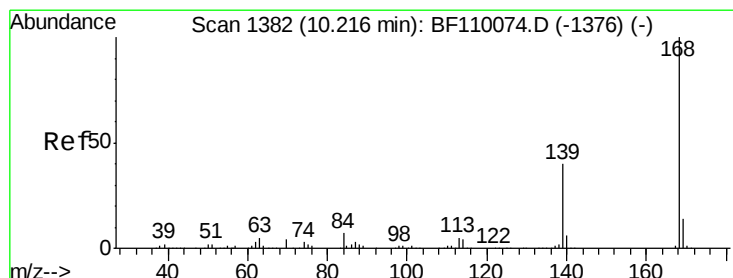
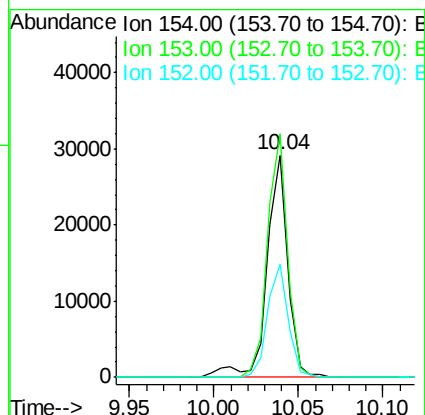
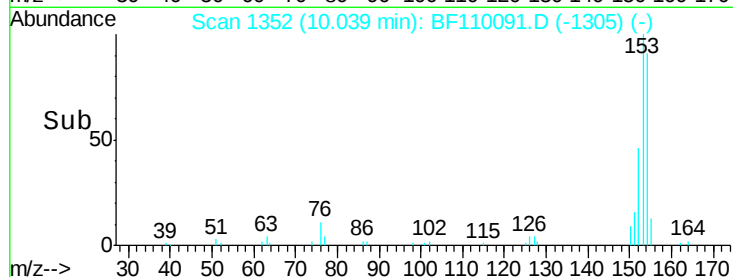
152 50.7 43.4 65.2



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



#55

Dibenzofuran

Concen: 1.133 ng

RT: 10.21 min Scan# 1381

Delta R.T. -0.02 min

Lab File: BF110091.D

Acq: 23 Oct 2018 21:32

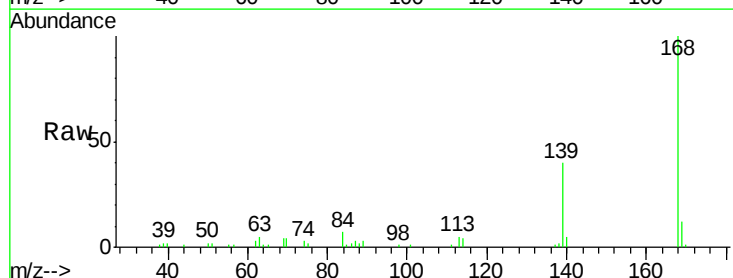
Tgt Ion:168 Resp: 33990

Ion Ratio Lower Upper

168 100

139 39.8 33.0 49.6

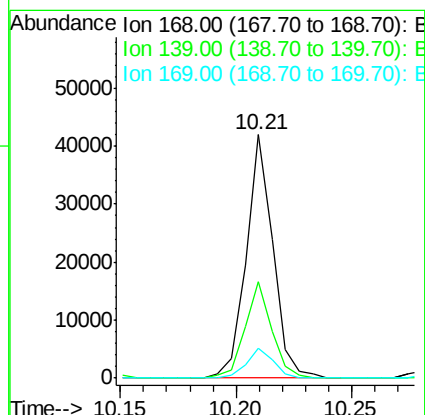
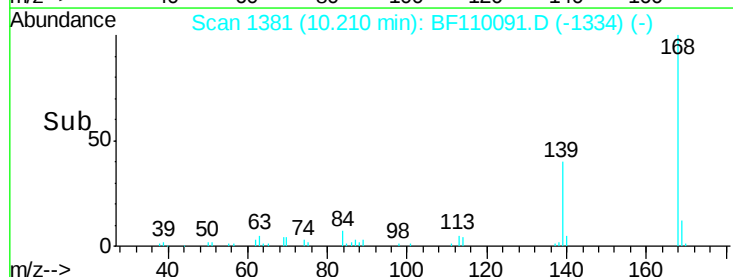
169 12.2 11.3 16.9

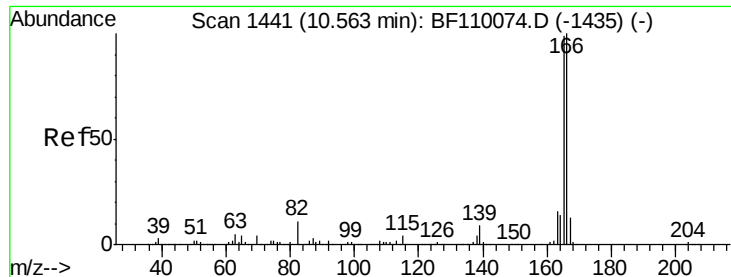


Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E

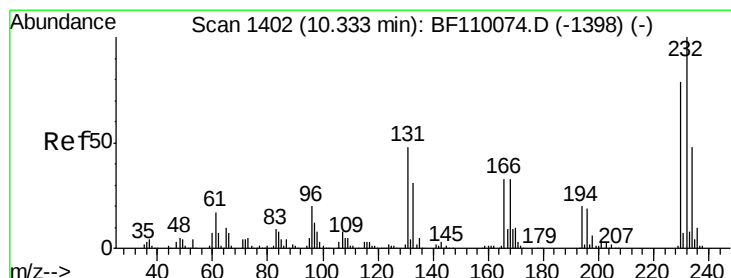
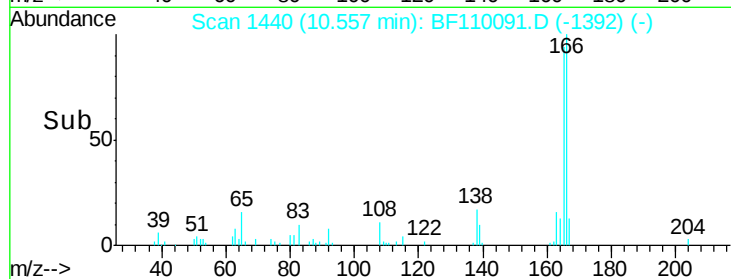
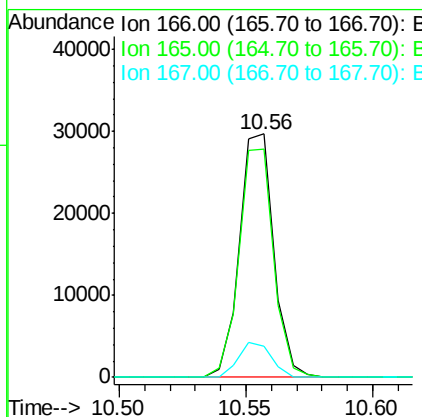
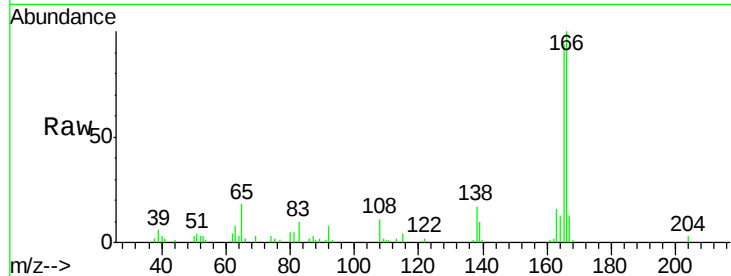




#58
 Fluorene
 Concen: 1.247 ng
 RT: 10.56 min Scan# 1440
 Delta R.T. -0.02 min
 Lab File: BF110091.D
 Acq: 23 Oct 2018 21:32

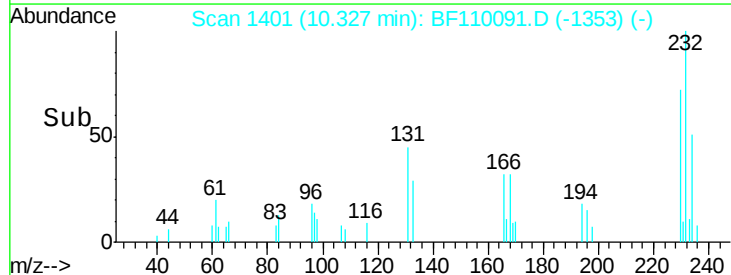
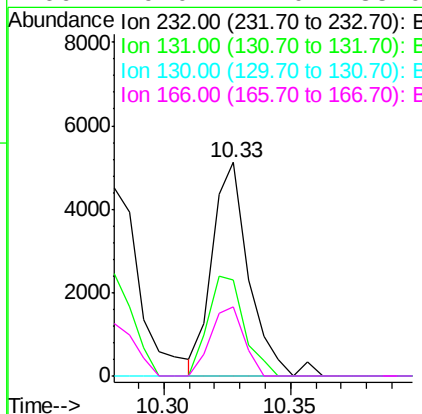
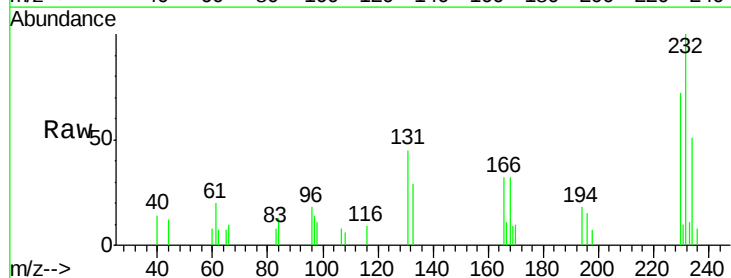
Instrument :
 BNA_F
 ClientSampleId :
 LOD-MDL-WATER-01-QT4-2018

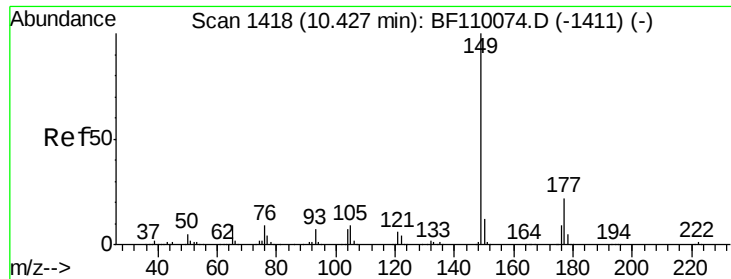
Tgt Ion:166 Resp: 27843
 Ion Ratio Lower Upper
 166 100
 165 93.8 78.6 117.8
 167 12.8 10.8 16.2



#59
 2,3,4,6-Tetrachlorophenol
 Concen: 0.887 ng
 RT: 10.33 min Scan# 1401
 Delta R.T. -0.02 min
 Lab File: BF110091.D
 Acq: 23 Oct 2018 21:32

Tgt Ion:232 Resp: 5192
 Ion Ratio Lower Upper
 232 100
 131 46.0 37.0 55.4
 130 0.0 1.8 2.6#
 166 29.0 22.0 33.0

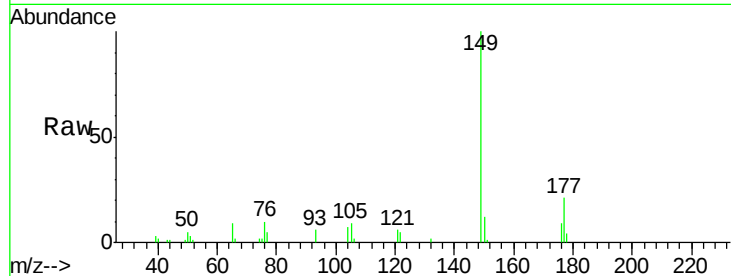




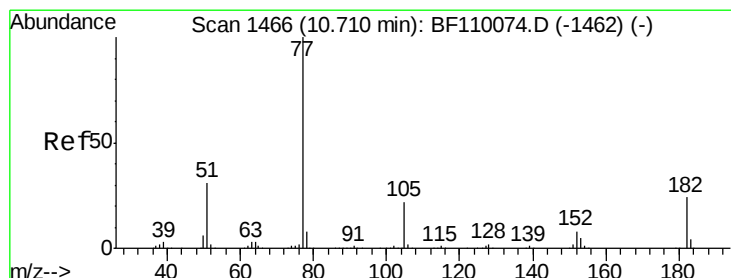
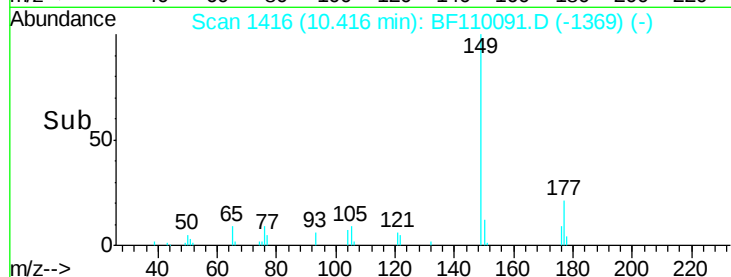
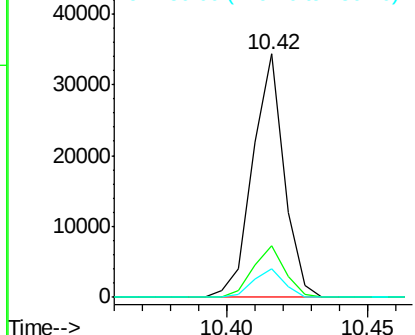
#60
Diethylphthalate
Concen: 1.086 ng
RT: 10.42 min Scan# 1416
Delta R.T. -0.02 min
Lab File: BF110091.D
Acq: 23 Oct 2018 21:32

Instrument :
BNA_F
ClientSampleId :
LOD-MDL-WATER-01-QT4-2018

Tgt Ion:149 Resp: 26449
Ion Ratio Lower Upper
149 100
177 21.1 17.4 26.2
150 11.7 9.8 14.8

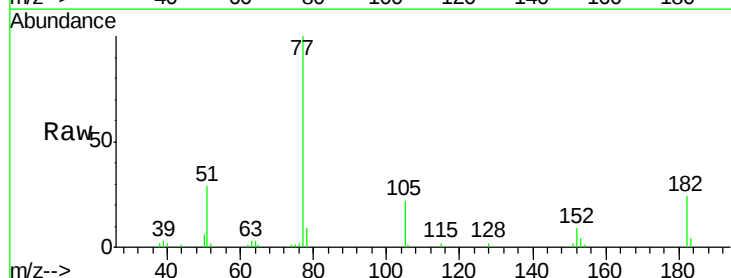


Abundance Ion 149.00 (148.70 to 149.70): E
Ion 177.00 (176.70 to 177.70): E
Ion 150.00 (149.70 to 150.70): E

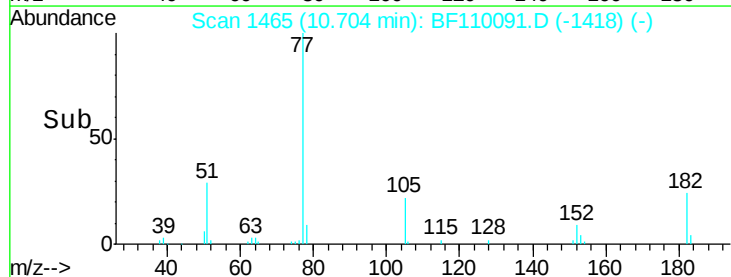
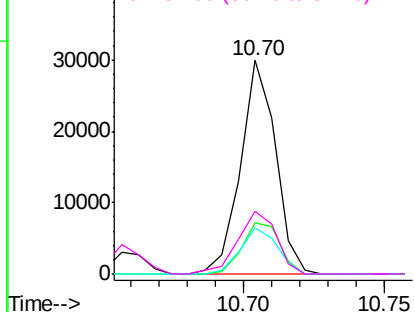


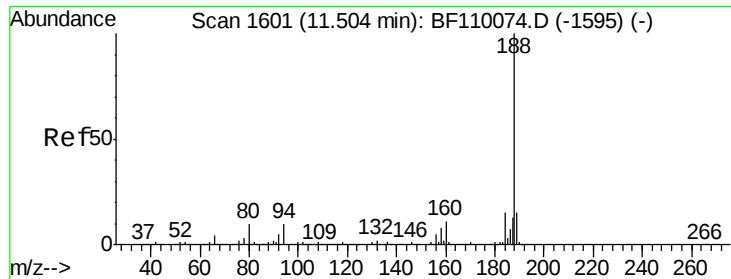
#63
Azobenzene
Concen: 1.068 ng
RT: 10.70 min Scan# 1465
Delta R.T. -0.02 min
Lab File: BF110091.D
Acq: 23 Oct 2018 21:32

Tgt Ion: 77 Resp: 25827
Ion Ratio Lower Upper
77 100
182 23.9 4.3 44.3
105 21.8 1.3 41.3
51 29.3 9.0 49.0



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





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.50 min Scan# 1600

Delta R.T. -0.02 min

Lab File: BF110091.D

Acq: 23 Oct 2018 21:32

Instrument :

BNA_F

ClientSampleId :

LOD-MDL-WATER-01-QT4-2018

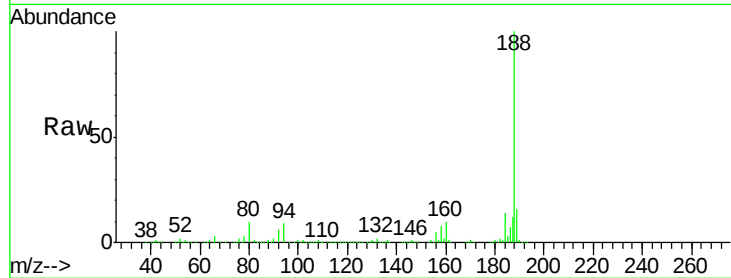
Tgt Ion:188 Resp: 667296

Ion Ratio Lower Upper

188 100

94 9.4 7.2 10.8

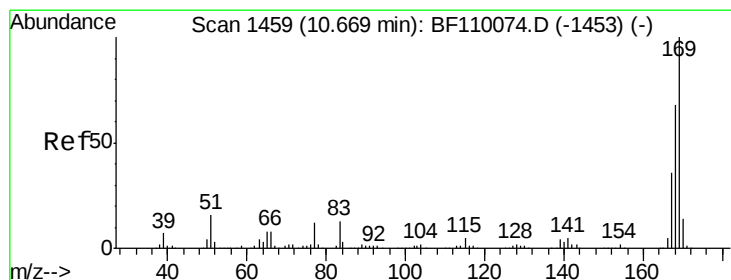
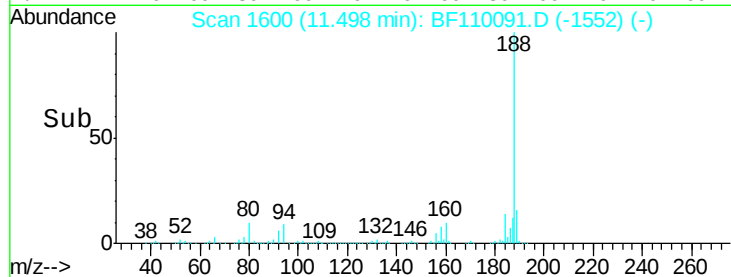
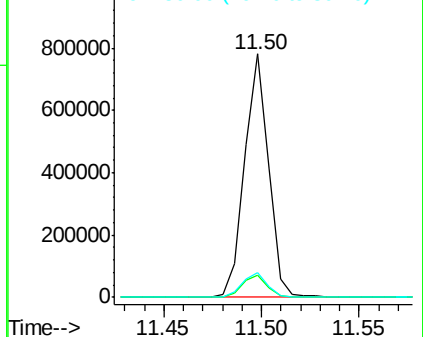
80 10.0 7.9 11.9



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



#66

n-Nitrosodiphenylamine

Concen: 1.062 ng

RT: 10.66 min Scan# 1458

Delta R.T. -0.02 min

Lab File: BF110091.D

Acq: 23 Oct 2018 21:32

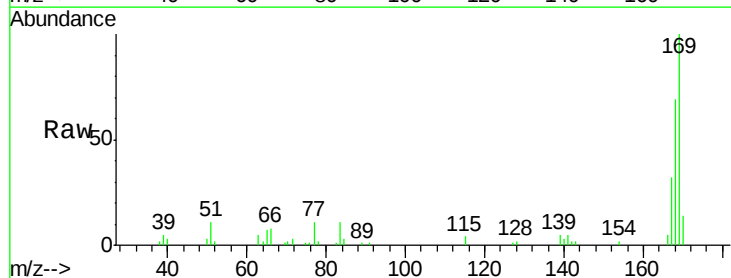
Tgt Ion:169 Resp: 23245

Ion Ratio Lower Upper

169 100

168 68.7 51.2 76.8

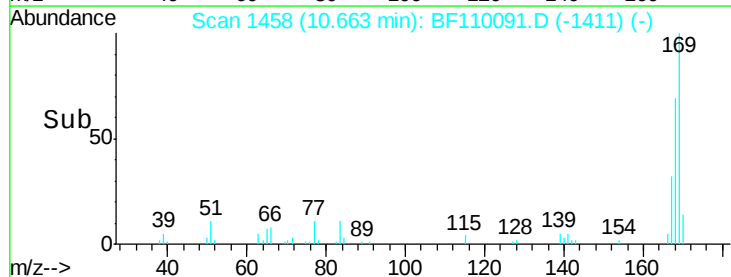
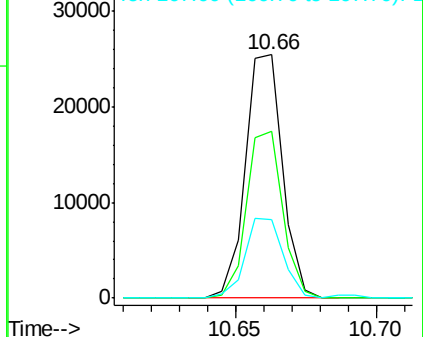
167 32.4 27.8 41.6

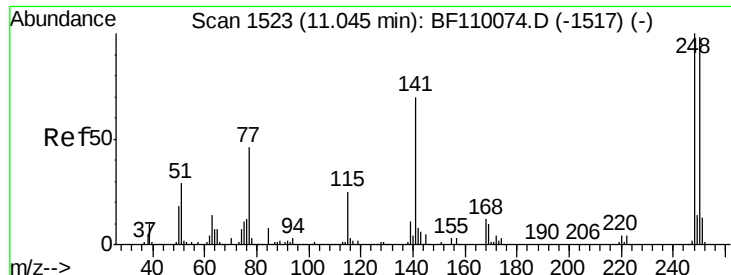


Abundance Ion 169.00 (168.70 to 169.70): E

Ion 168.00 (167.70 to 168.70): E

Ion 167.00 (166.70 to 167.70): E

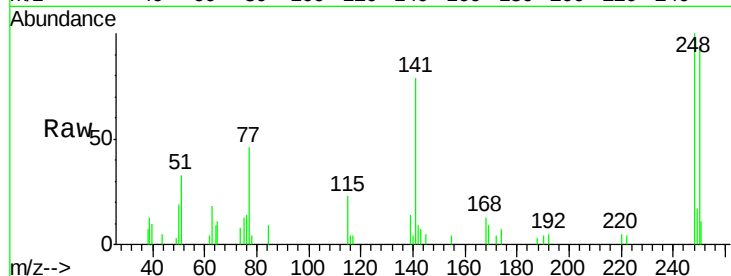




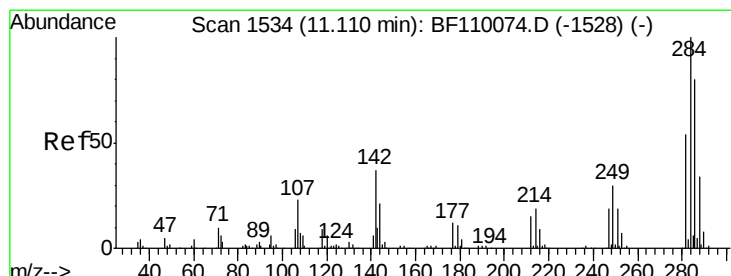
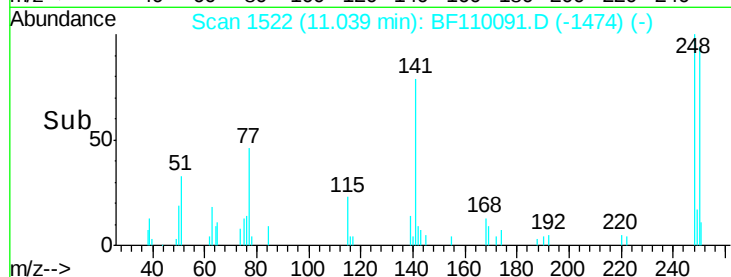
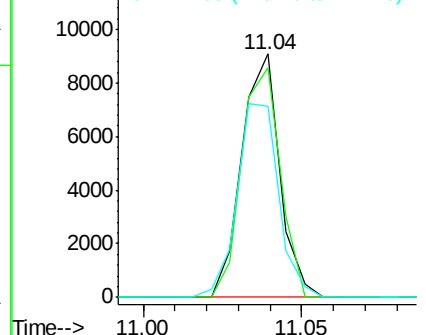
#67
4-Bromophenyl-phenylether
Concen: 1.036 ng
RT: 11.04 min Scan# 1522
Delta R.T. -0.02 min
Lab File: BF110091.D
Acq: 23 Oct 2018 21:32

Instrument :
BNA_F
ClientSampleId :
LOD-MDL-WATER-01-QT4-2018

Tgt Ion: 248 Resp: 7500
Ion Ratio Lower Upper
248 100
250 94.4 79.4 119.2
141 78.6 55.9 83.9

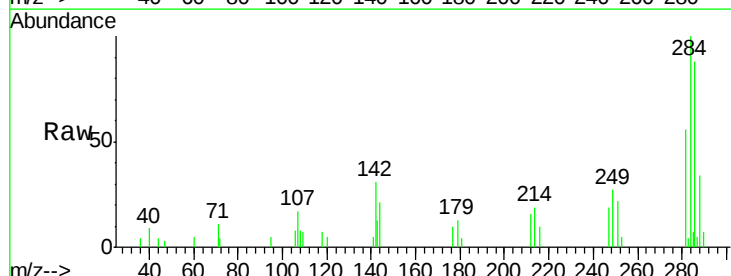


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

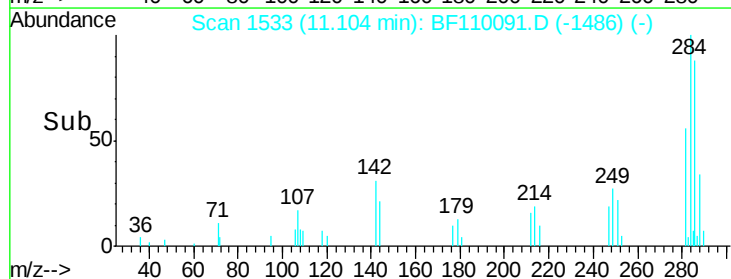
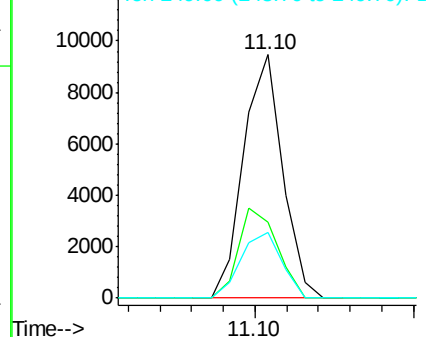


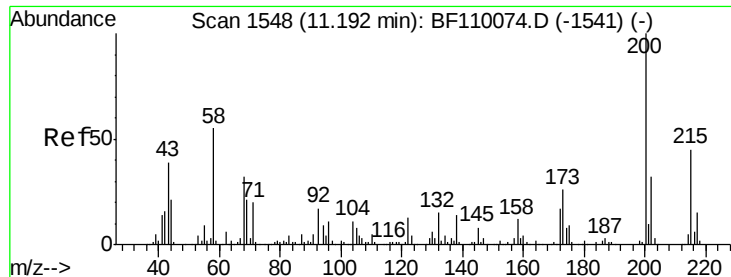
#68
Hexachlorobenzene
Concen: 1.050 ng
RT: 11.10 min Scan# 1533
Delta R.T. -0.02 min
Lab File: BF110091.D
Acq: 23 Oct 2018 21:32

Tgt Ion: 284 Resp: 8062
Ion Ratio Lower Upper
284 100
142 31.4 23.9 35.9
249 27.1 24.2 36.2



Abundance Ion 283.80 (283.50 to 284.50): E
Ion 142.00 (141.70 to 142.70): E
Ion 249.00 (248.70 to 249.70): E

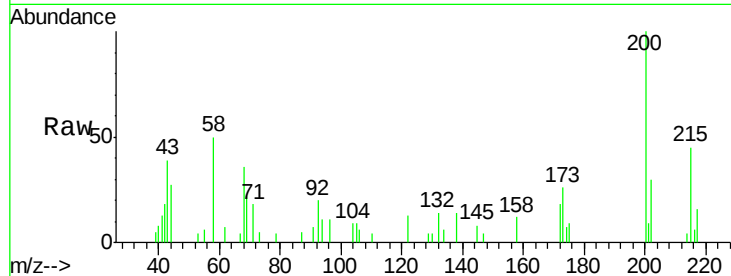




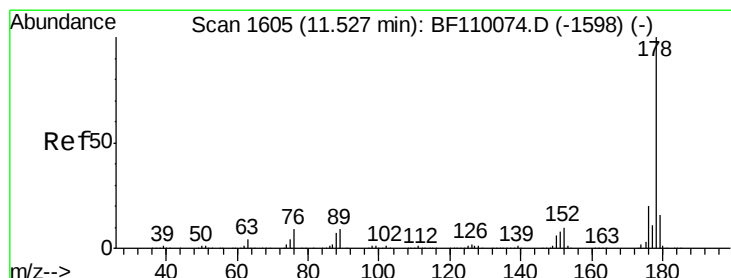
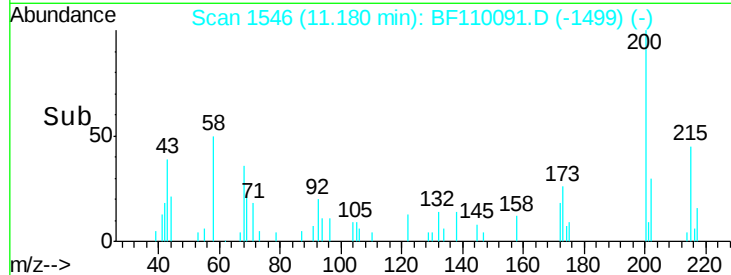
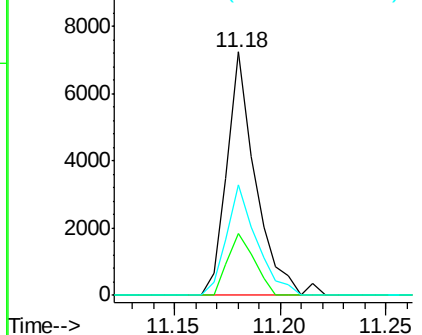
#69
Atrazine
Concen: 0.986 ng
RT: 11.18 min Scan# 1546
Delta R.T. -0.02 min
Lab File: BF110091.D
Acq: 23 Oct 2018 21:32

Instrument :
BNA_F
ClientSampleId :
LOD-MDL-WATER-01-QT4-2018

Tgt Ion:200 Resp: 6820
Ion Ratio Lower Upper
200 100
173 25.5 6.6 46.6
215 45.1 26.3 66.3

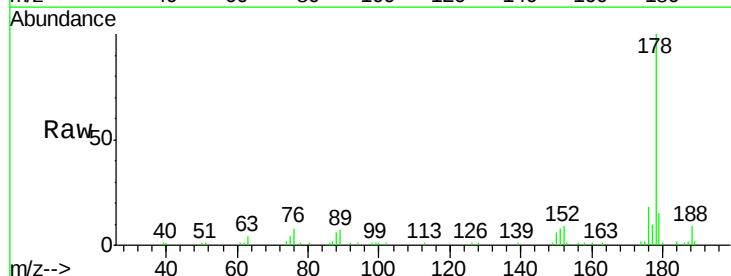


Abundance Ion 200.00 (199.70 to 200.70): E
Ion 173.00 (172.70 to 173.70): E
Ion 215.00 (214.70 to 215.70): E

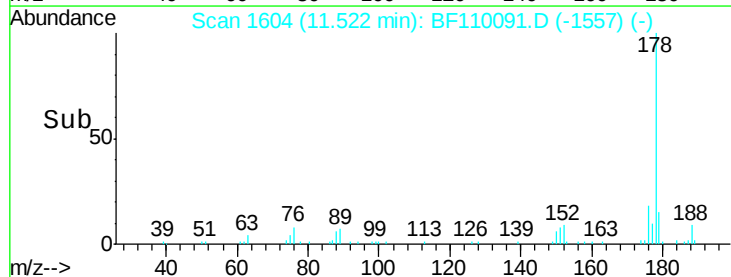
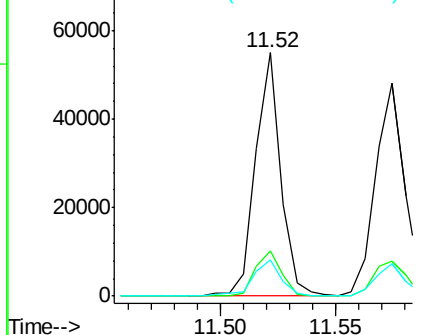


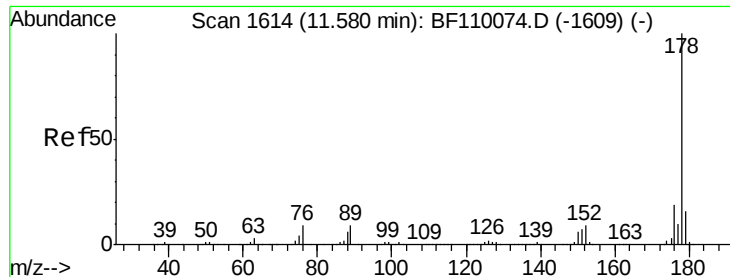
#71
Phenanthrene
Concen: 1.206 ng
RT: 11.52 min Scan# 1604
Delta R.T. -0.02 min
Lab File: BF110091.D
Acq: 23 Oct 2018 21:32

Tgt Ion:178 Resp: 42099
Ion Ratio Lower Upper
178 100
176 18.4 15.5 23.3
179 14.8 12.5 18.7



Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E





#72

Anthracene

Concen: 1.241 ng

RT: 11.57 min Scan# 1613

Delta R.T. -0.02 min

Lab File: BF110091.D

Acq: 23 Oct 2018 21:32

Instrument :

BNA_F

ClientSampleId :

LOD-MDL-WATER-01-QT4-2018

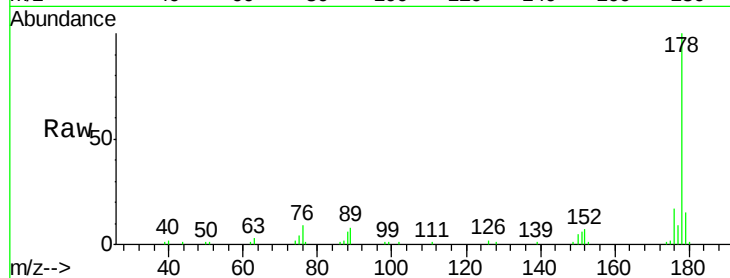
Tgt Ion:178 Resp: 43421

Ion Ratio Lower Upper

178 100

176 16.7 15.4 23.2

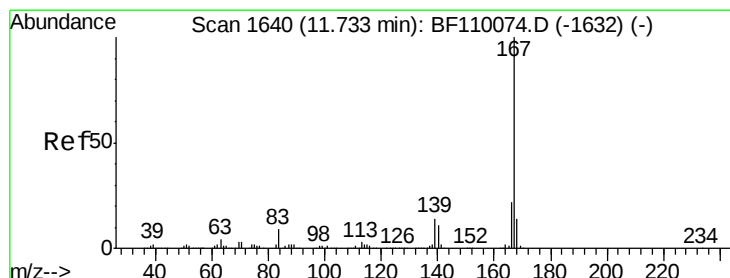
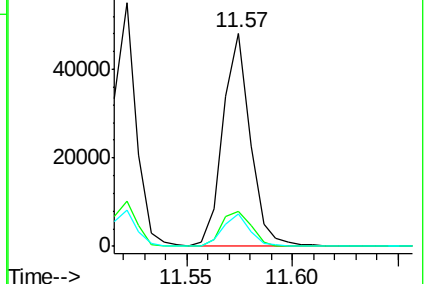
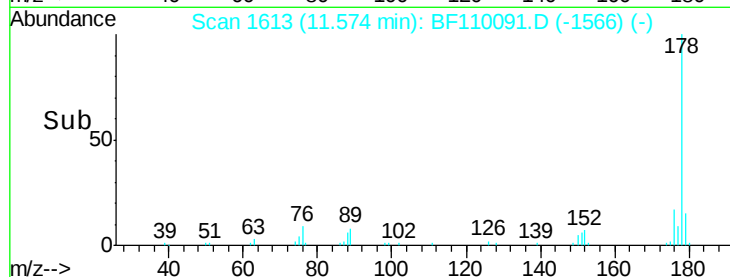
179 14.9 12.6 18.8



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#73

Carbazole

Concen: 1.015 ng

RT: 11.73 min Scan# 1639

Delta R.T. -0.02 min

Lab File: BF110091.D

Acq: 23 Oct 2018 21:32

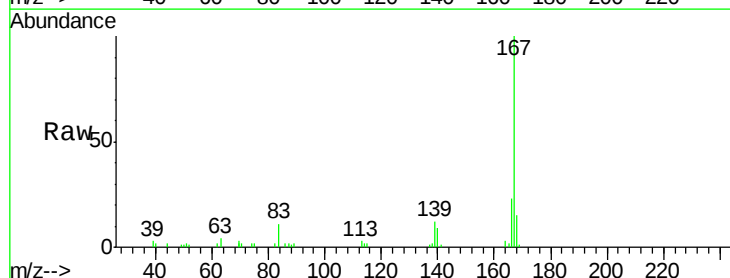
Tgt Ion:167 Resp: 34700

Ion Ratio Lower Upper

167 100

166 23.1 17.4 26.0

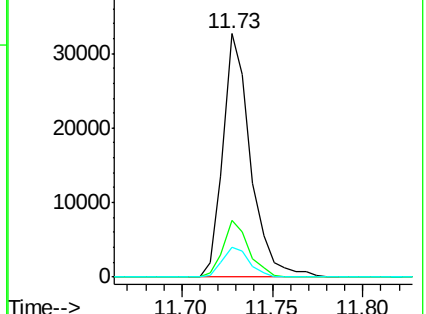
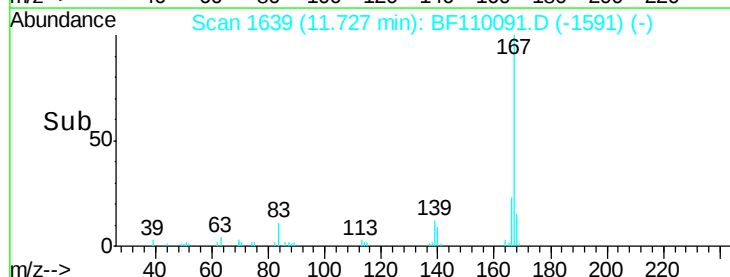
139 12.3 10.9 16.3

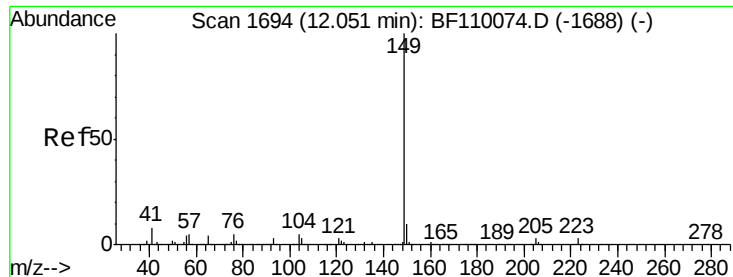


Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E

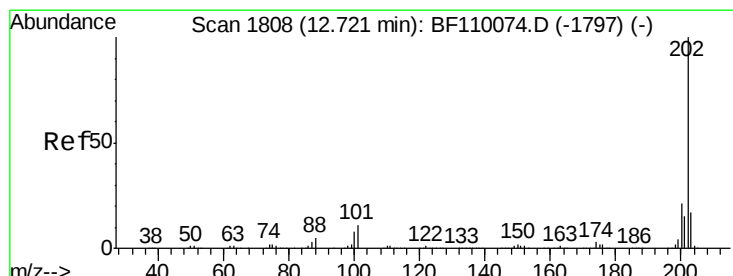
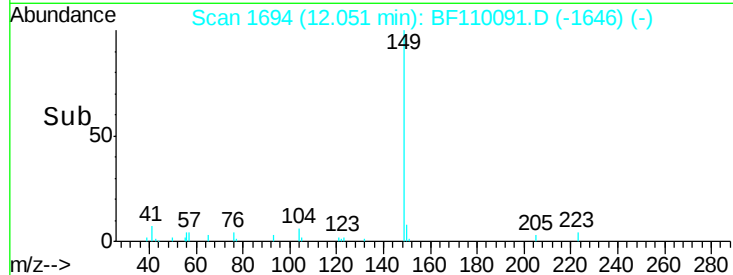
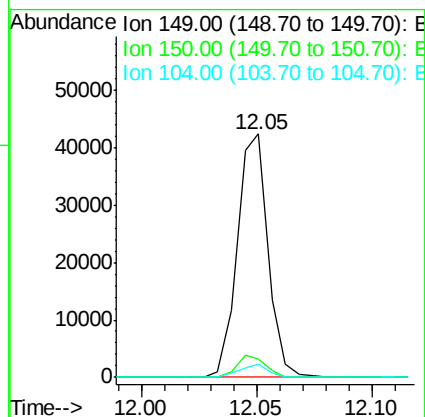
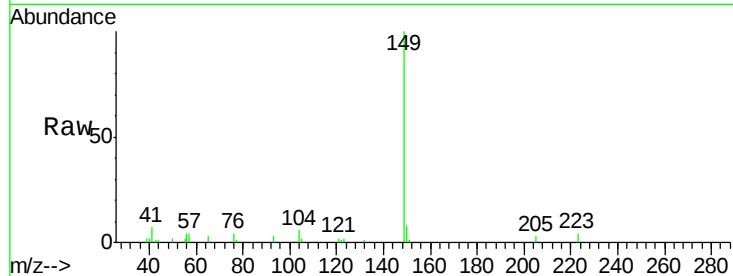




#74
Di-n-butylphthalate
Concen: 1.018 ng
RT: 12.05 min Scan# 1694
Delta R.T. -0.02 min
Lab File: BF110091.D
Acq: 23 Oct 2018 21:32

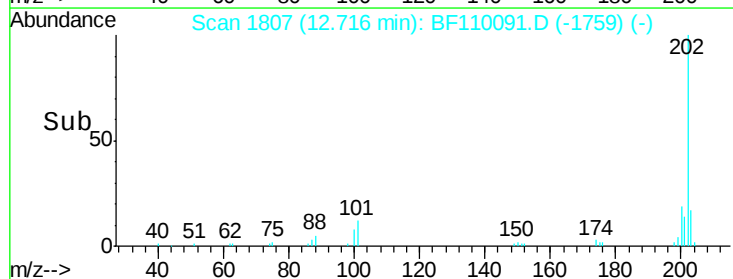
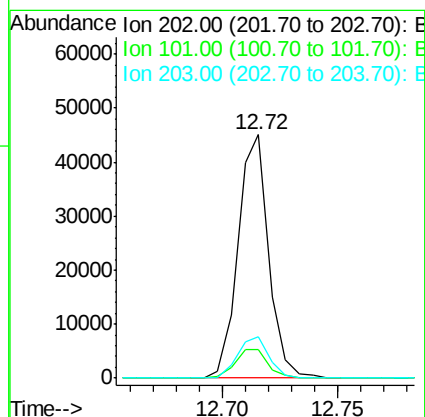
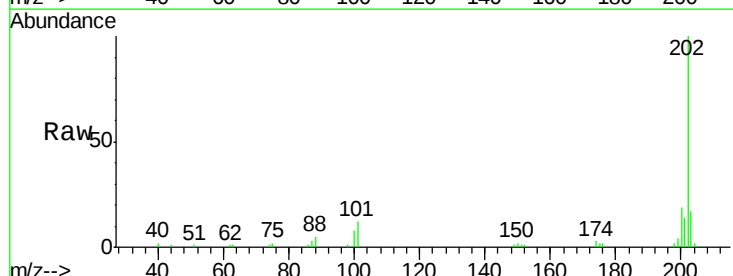
Instrument :
BNA_F
ClientSampleId :
LOD-MDL-WATER-01-QT4-2018

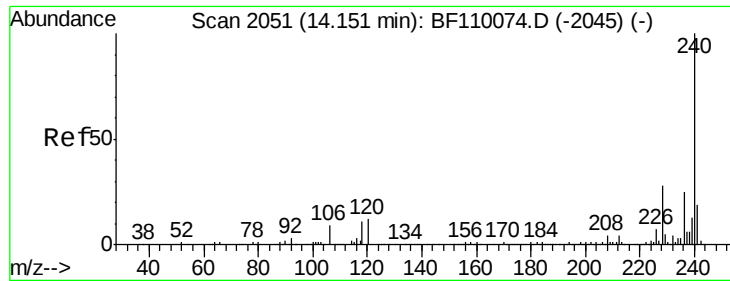
Tgt Ion:149 Resp: 39283
Ion Ratio Lower Upper
149 100
150 7.7 7.7 11.5
104 5.6 4.2 6.4



#75
Fluoranthene
Concen: 1.172 ng
RT: 12.72 min Scan# 1807
Delta R.T. -0.02 min
Lab File: BF110091.D
Acq: 23 Oct 2018 21:32

Tgt Ion:202 Resp: 41535
Ion Ratio Lower Upper
202 100
101 11.6 0.0 31.4
203 17.1 0.0 37.7

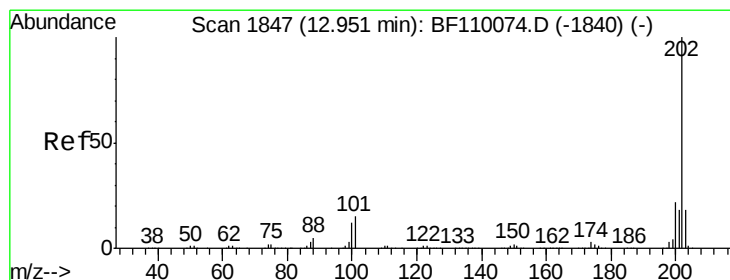
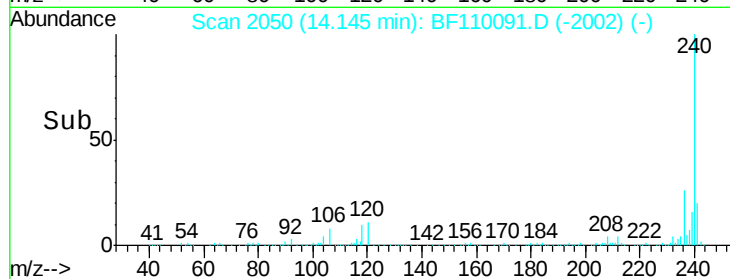
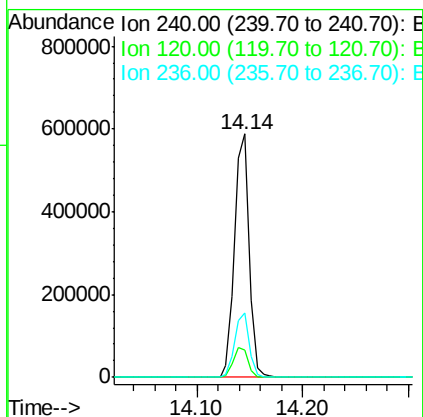
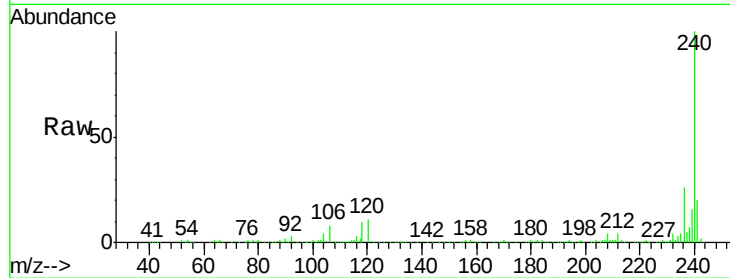




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.14 min Scan# 2050
Delta R.T. -0.02 min
Lab File: BF110091.D
Acq: 23 Oct 2018 21:32

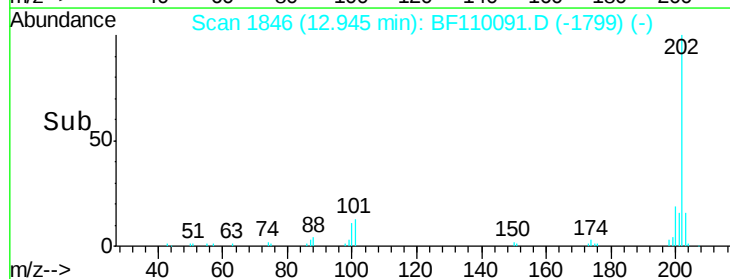
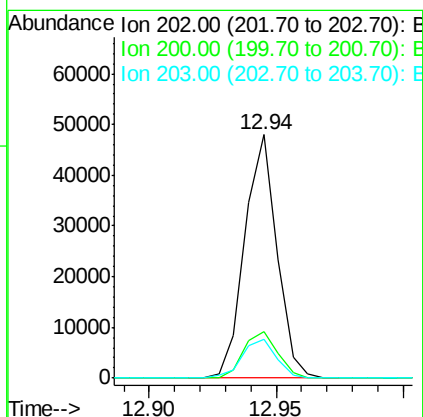
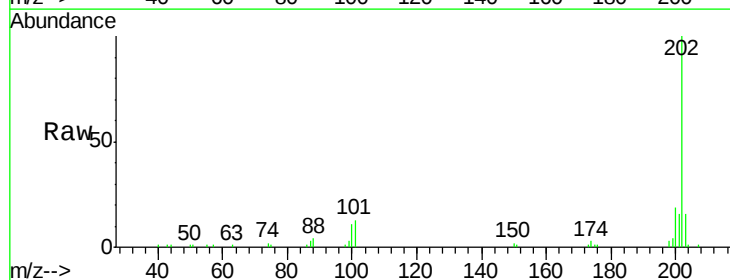
Instrument :
BNA_F
ClientSampleId :
LOD-MDL-WATER-01-QT4-2018

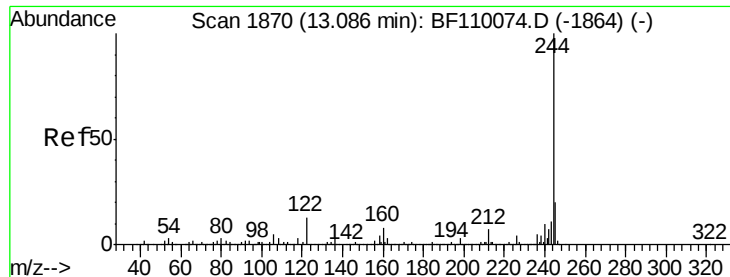
Tgt Ion	Ratio	Lower	Upper
240	100		
120	11.1	8.3	12.5
236	26.2	21.2	31.8



#78
Pyrene
Concen: 1.070 ng
RT: 12.94 min Scan# 1846
Delta R.T. -0.02 min
Lab File: BF110091.D
Acq: 23 Oct 2018 21:32

Tgt Ion	Ratio	Lower	Upper
202	100		
200	18.8	17.8	26.6
203	15.9	14.2	21.4





#79

Terphenyl-d14

Concen: 69.737 ng

RT: 13.09 min Scan# 1870

Delta R.T. -0.02 min

Lab File: BF110091.D

Acq: 23 Oct 2018 21:32

Instrument :

BNA_F

ClientSampleId :

LOD-MDL-WATER-01-QT4-2018

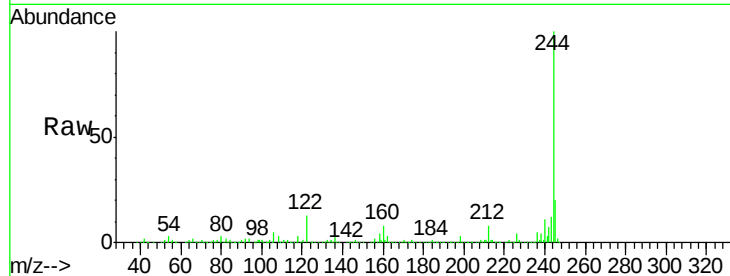
Tgt Ion:244 Resp: 1854178

Ion Ratio Lower Upper

244 100

212 7.5 5.8 8.8

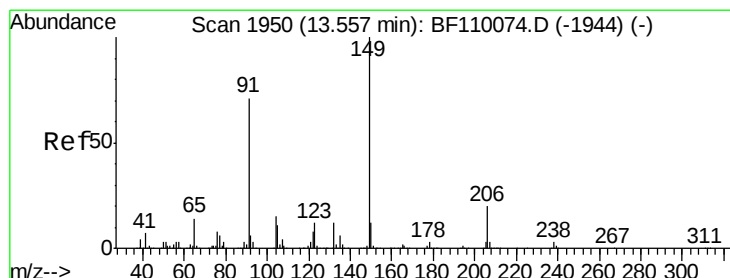
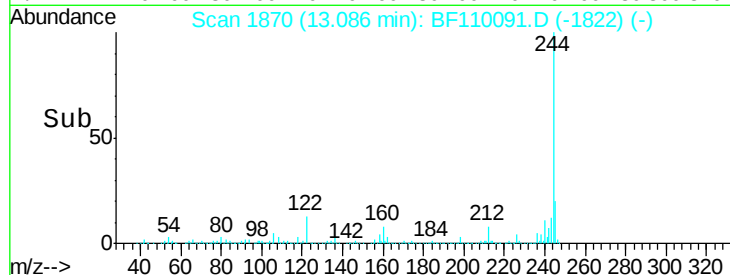
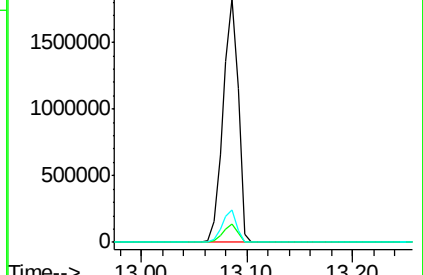
122 13.1 8.7 13.1#



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



#80

Butylbenzylphthalate

Concen: 0.906 ng

RT: 13.55 min Scan# 1949

Delta R.T. -0.02 min

Lab File: BF110091.D

Acq: 23 Oct 2018 21:32

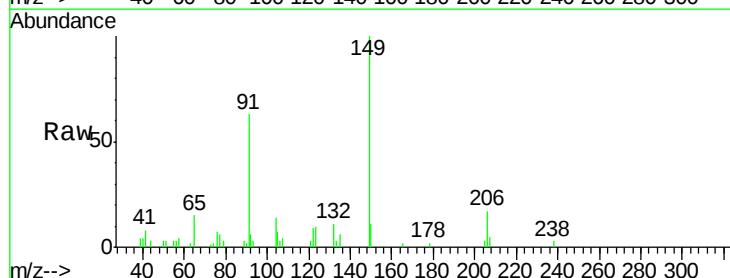
Tgt Ion:149 Resp: 15586

Ion Ratio Lower Upper

149 100

91 62.5 57.2 85.8

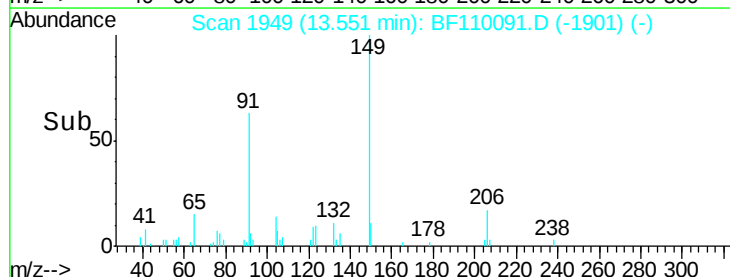
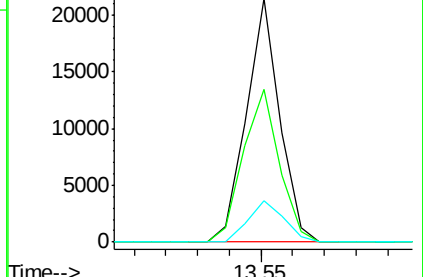
206 17.1 15.7 23.5

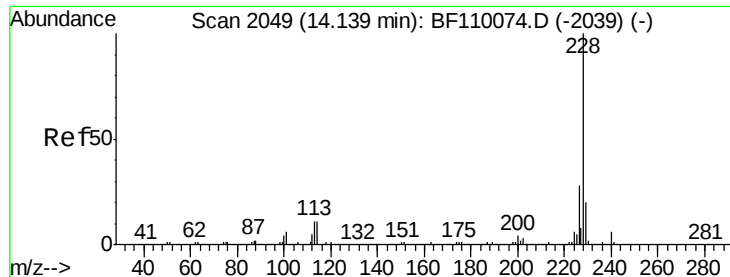


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BF1

Ion 206.00 (205.70 to 206.70): E





#81

Benzo(a)anthracene

Concen: 1.180 ng

RT: 14.13 min Scan# 2048

Delta R.T. -0.02 min

Lab File: BF110091.D

Acq: 23 Oct 2018 21:32

Instrument :

BNA_F

ClientSampleId :

LOD-MDL-WATER-01-QT4-2018

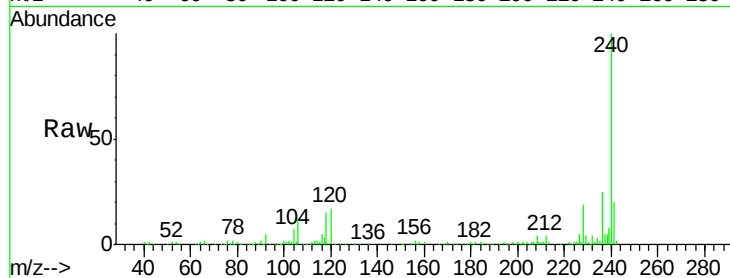
Tgt Ion:228 Resp: 38683

Ion Ratio Lower Upper

228 100

226 26.3 22.1 33.1

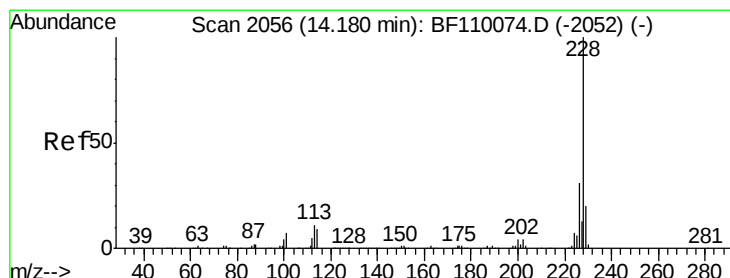
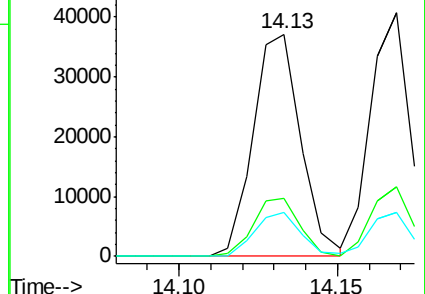
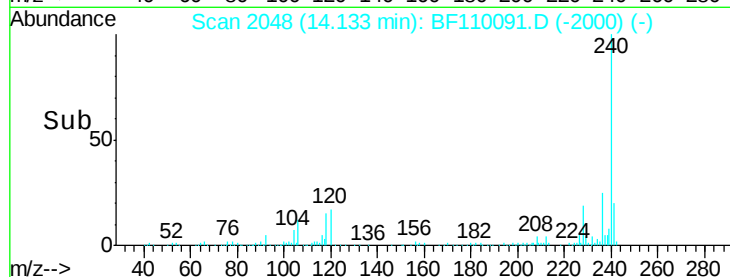
229 19.7 15.6 23.4



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#83

Chrysene

Concen: 1.149 ng

RT: 14.17 min Scan# 2054

Delta R.T. -0.02 min

Lab File: BF110091.D

Acq: 23 Oct 2018 21:32

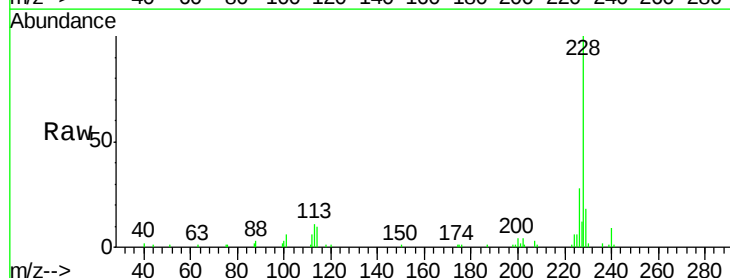
Tgt Ion:228 Resp: 35795

Ion Ratio Lower Upper

228 100

226 28.4 24.7 37.1

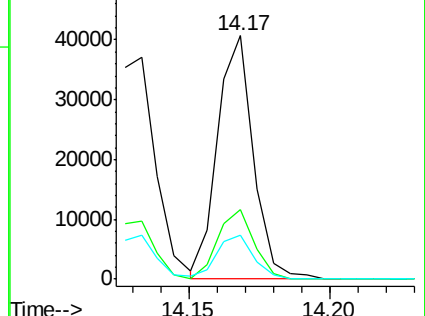
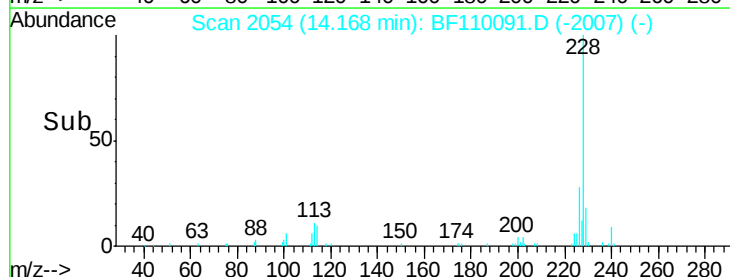
229 17.8 15.9 23.9

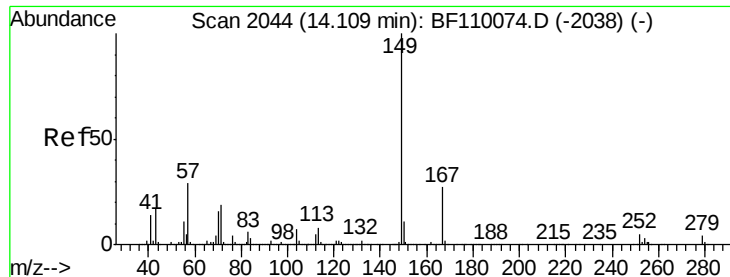


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#84

Bis(2-ethylhexyl)phthalate

Concen: 0.936 ng

RT: 14.10 min Scan# 2043

Delta R.T. -0.02 min

Lab File: BF110091.D

Acq: 23 Oct 2018 21:32

Instrument :

BNA_F

ClientSampleId :

LOD-MDL-WATER-01-QT4-2018

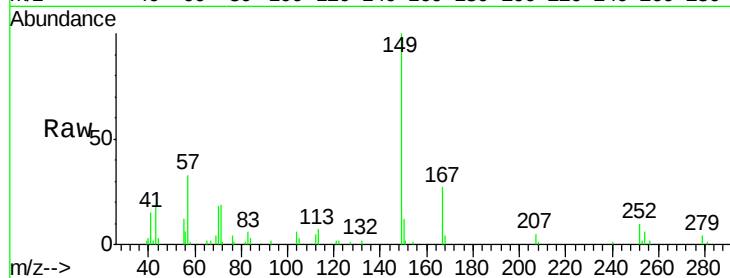
Tgt Ion:149 Resp: 21766

Ion Ratio Lower Upper

149 100

167 27.2 19.8 29.8

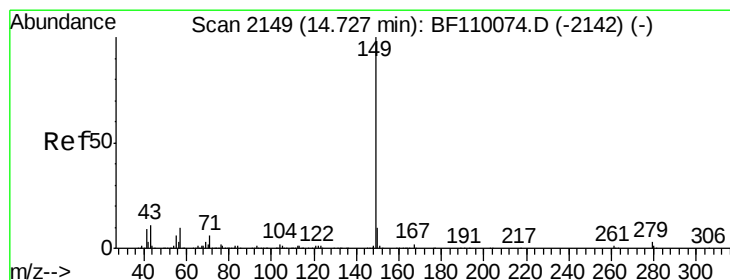
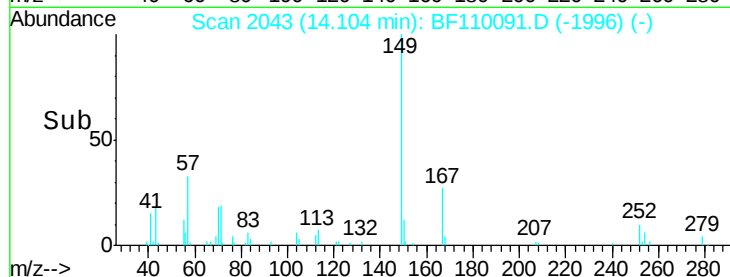
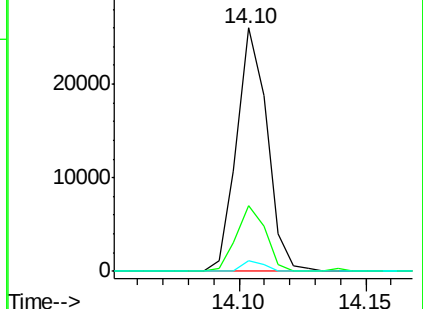
279 4.2 2.7 4.1#



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E



#85

Di-n-octyl phthalate

Concen: 0.909 ng

RT: 14.72 min Scan# 2148

Delta R.T. -0.02 min

Lab File: BF110091.D

Acq: 23 Oct 2018 21:32

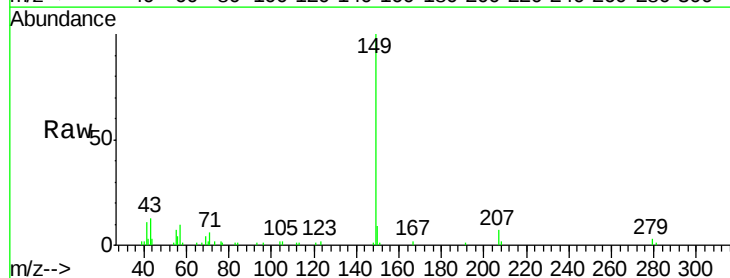
Tgt Ion:149 Resp: 32860

Ion Ratio Lower Upper

149 100

167 1.2 1.1 1.7

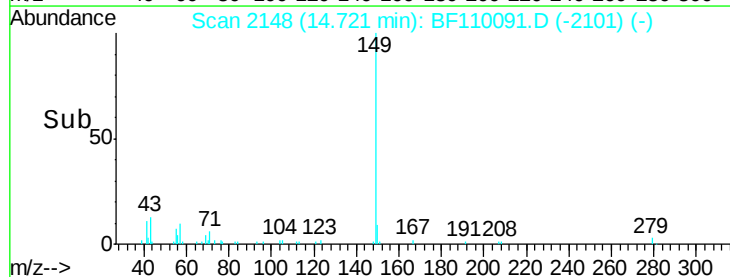
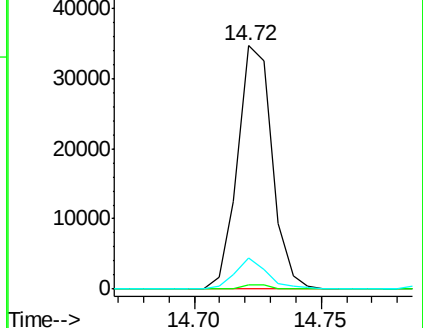
43 11.9 7.8 11.8#

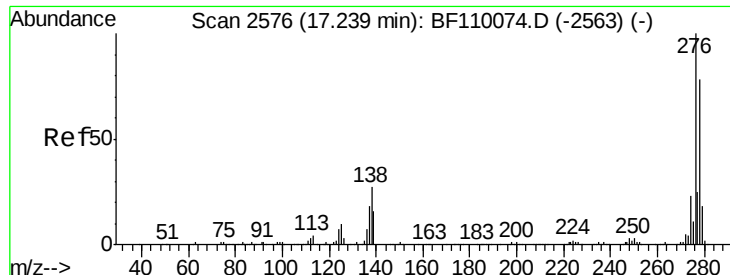


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 43.00 (42.70 to 43.70): BF1

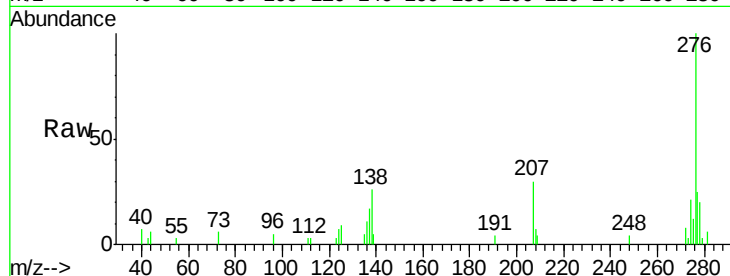




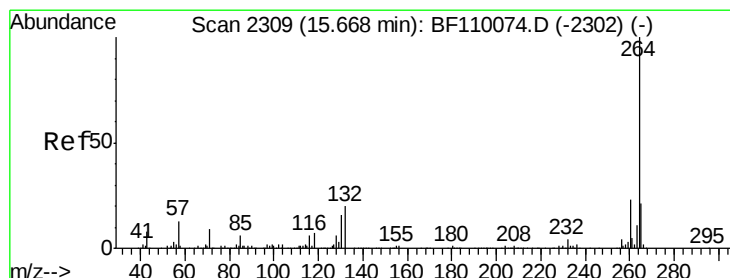
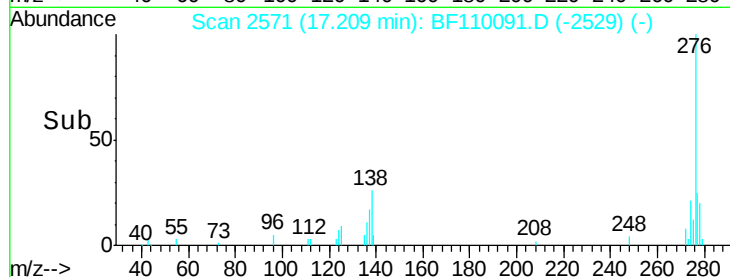
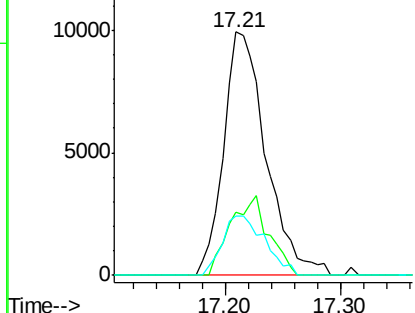
#86
 Indeno(1,2,3-cd)pyrene
 Concen: 0.980 ng
 RT: 17.21 min Scan# 2571
 Delta R.T. -0.05 min
 Lab File: BF110091.D
 Acq: 23 Oct 2018 21:32

Instrument :
 BNA_F
 ClientSampleId :
 LOD-MDL-WATER-01-QT4-2018

Tgt Ion: 276 Resp: 25310
 Ion Ratio Lower Upper
 276 100
 138 29.7 18.5 27.7#
 277 24.4 20.0 30.0

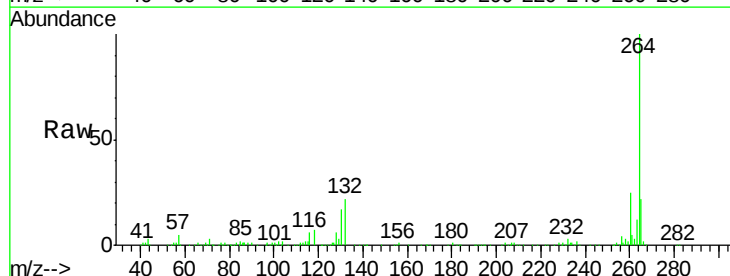


Abundance Ion 276.00 (275.70 to 276.70): E
 Ion 138.00 (137.70 to 138.70): E
 Ion 277.00 (276.70 to 277.70): E

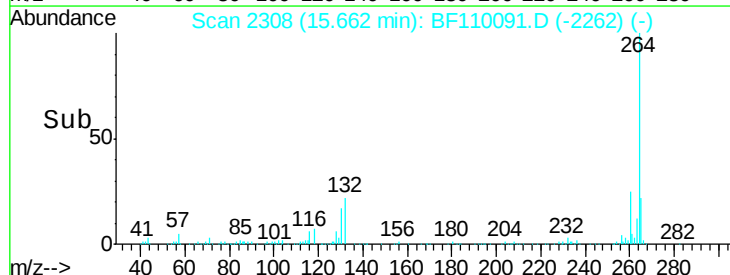
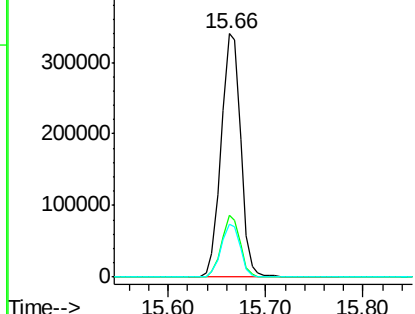


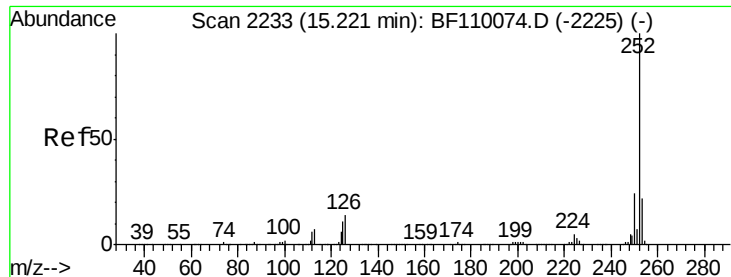
#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.66 min Scan# 2308
 Delta R.T. -0.03 min
 Lab File: BF110091.D
 Acq: 23 Oct 2018 21:32

Tgt Ion: 264 Resp: 472347
 Ion Ratio Lower Upper
 264 100
 260 25.2 18.7 28.1
 265 21.8 16.7 25.1



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

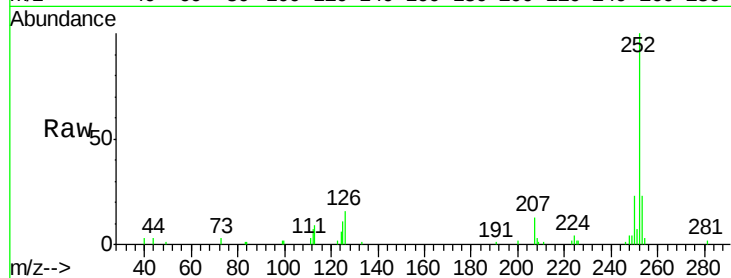




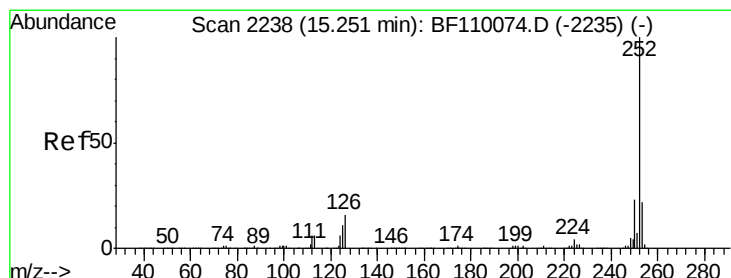
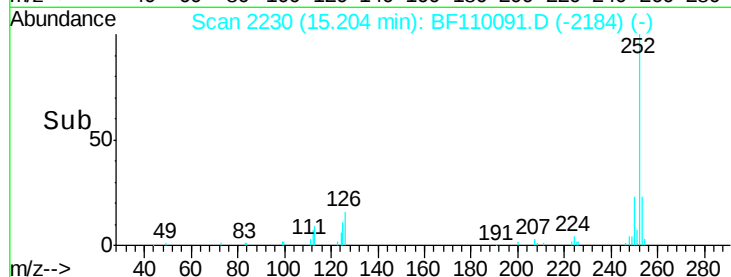
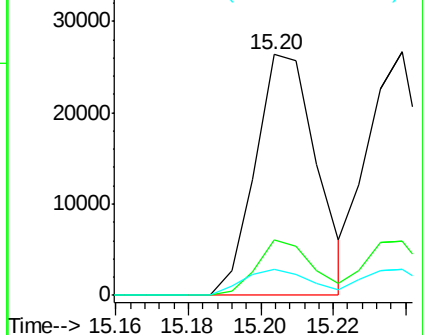
#88
Benzo(b)fluoranthene
Concen: 1.138 ng
RT: 15.20 min Scan# 2230
Delta R.T. -0.03 min
Lab File: BF110091.D
Acq: 23 Oct 2018 21:32

Instrument :
BNA_F
ClientSampleId :
LOD-MDL-WATER-01-QT4-2018

Tgt Ion:252 Resp: 31041
Ion Ratio Lower Upper
252 100
253 22.9 17.2 25.8
125 10.7 8.2 12.4

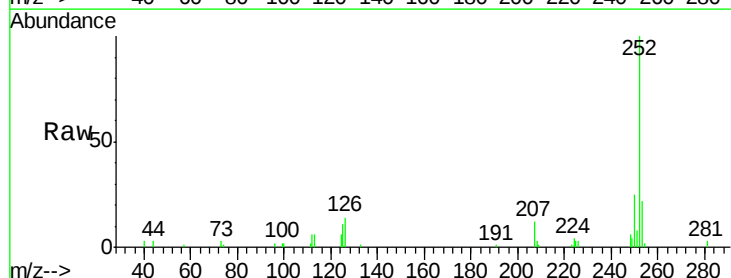


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

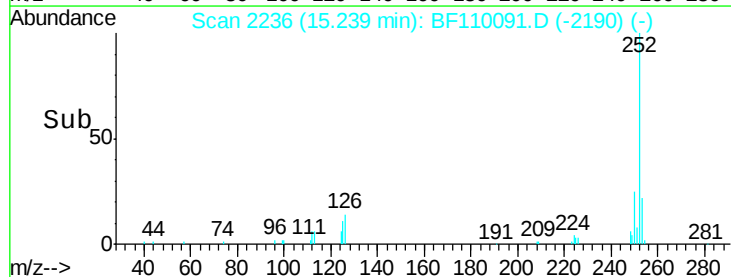
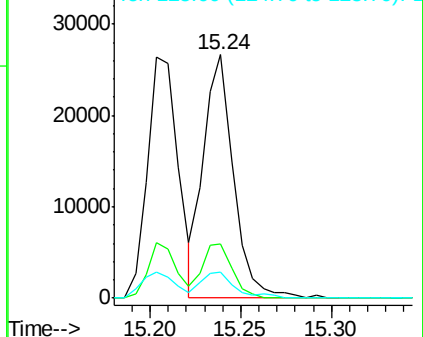


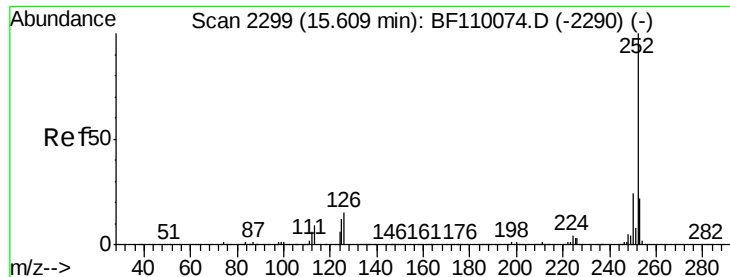
#89
Benzo(k)fluoranthene
Concen: 1.147 ng
RT: 15.24 min Scan# 2236
Delta R.T. -0.03 min
Lab File: BF110091.D
Acq: 23 Oct 2018 21:32

Tgt Ion:252 Resp: 30747
Ion Ratio Lower Upper
252 100
253 22.1 17.2 25.8
125 10.8 7.4 11.0



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





#90

Benzo(a)pyrene

Concen: 1.081 ng

RT: 15.59 min Scan# 2296

Delta R.T. -0.04 min

Lab File: BF110091.D

Acq: 23 Oct 2018 21:32

Instrument :

BNA_F

ClientSampleId :

LOD-MDL-WATER-01-QT4-2018

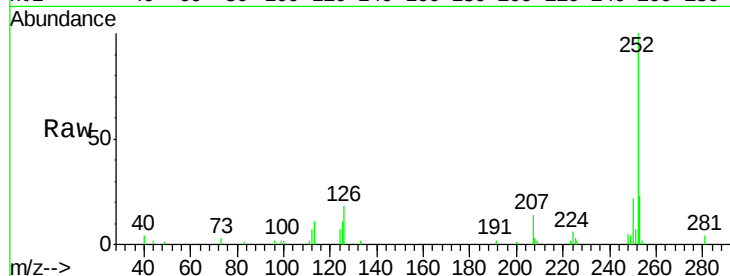
Tgt Ion:252 Resp: 27132

Ion Ratio Lower Upper

252 100

253 23.4 18.2 27.4

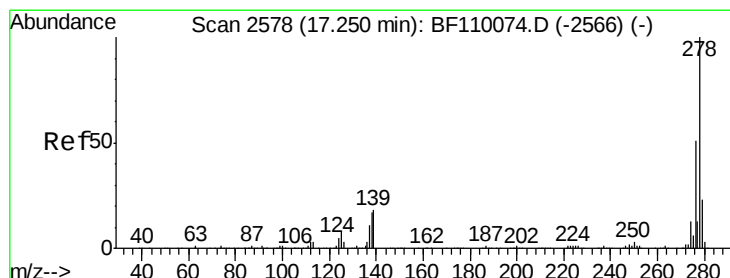
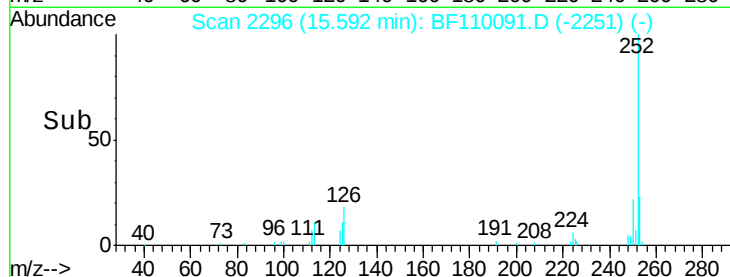
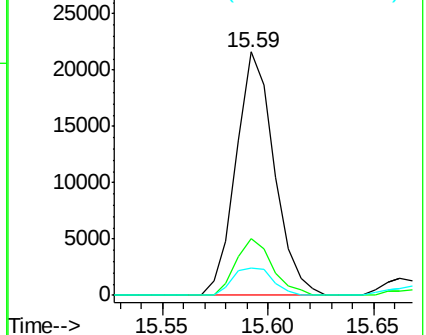
125 11.0 9.0 13.6



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



#91

Dibenzo(a,h)anthracene

Concen: 0.987 ng

RT: 17.23 min Scan# 2574

Delta R.T. -0.05 min

Lab File: BF110091.D

Acq: 23 Oct 2018 21:32

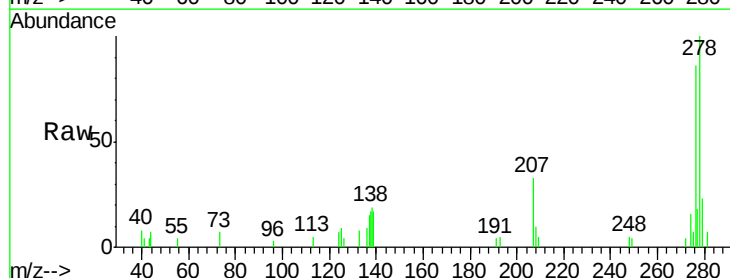
Tgt Ion:278 Resp: 21371

Ion Ratio Lower Upper

278 100

139 17.3 12.7 19.1

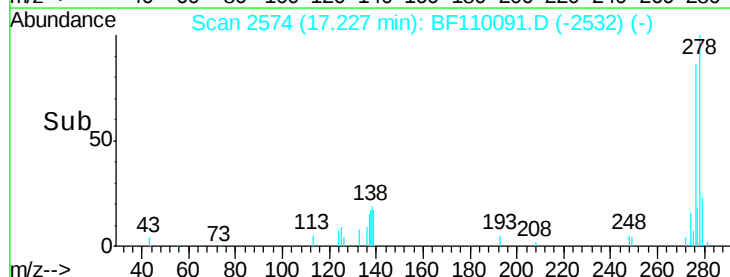
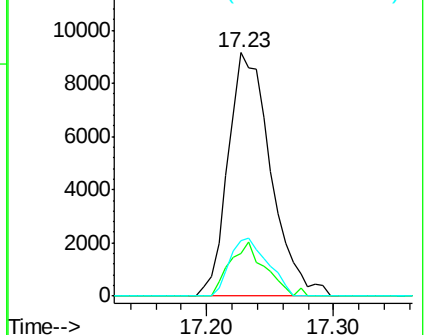
279 23.0 19.0 28.4

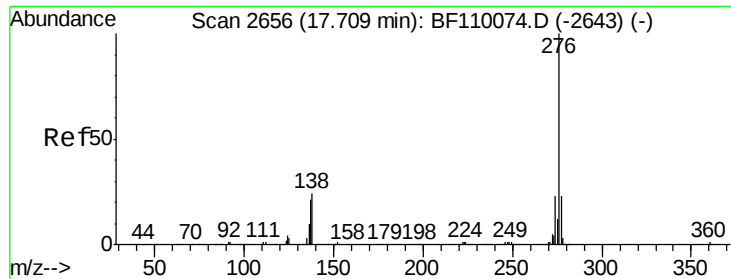


Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#92
 Benzo(g,h,i)perylene
 Concen: 0.961 ng
 RT: 17.69 min Scan# 2652
 Delta R.T. -0.05 min
 Lab File: BF110091.D
 Acq: 23 Oct 2018 21:32

Instrument :
 BNA_F
 ClientSampleId :
 LOD-MDL-WATER-01-QT4-2018

Tgt Ion	Ratio	Lower	Upper
276	100		
277	23.4	18.8	28.2
138	26.9	16.0	24.0

