

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF022318\
 Data File : BF103195.D
 Acq On : 23 Feb 2018 13:18
 Operator : SJ/JU
 Sample : J1161-07
 Misc : LOD-S-2ppm
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 LOD-MDL-WATER-01-QT1-2018

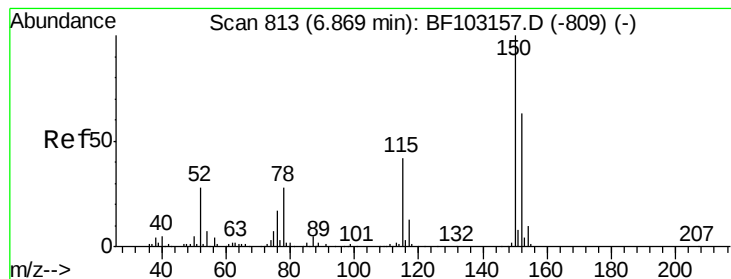
Quant Time: Feb 23 16:59:18 2018
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF022218.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Feb 23 02:43:46 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.87	152	182736	20.00	ng	0.00
21) Naphthalene-d8	8.15	136	807705	20.00	ng	0.00
38) Acenaphthene-d10	9.91	164	375316	20.00	ng	0.00
63) Phenanthrene-d10	11.40	188	646600	20.00	ng	0.00
75) Chrysene-d12	14.04	240	476057	20.00	ng	0.00
86) Perylene-d12	15.54	264	460859	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.49	112	1322490	109.46	ng	0.00
7) Phenol-d6	6.50	99	1634344	110.54	ng	0.00
23) Nitrobenzene-d5	7.44	82	1222419	86.43	ng	0.00
41) 2,4,6-Tribromophenol	10.70	330	368061	115.86	ng	0.00
44) 2-Fluorobiphenyl	9.23	172	1825930	83.43	ng	0.00
78) Terphenyl-d14	12.99	244	1458220	73.63	ng	0.00

Target Compounds				Qvalue		
17) 2-Methylphenol	7.12	107	24528	2.150	ng	93
19) n-Nitroso-di-n-propylamine	7.27	70	23860	2.593	ng	95
20) 3+4-Methylphenols	7.28	107	32917	2.367	ng	# 60
22) Acetophenone	7.27	105	45677	2.423	ng	# 92
25) Isophorone	7.69	82	59363	2.131	ng	# 94
26) 2-Nitrophenol	7.77	139	13010	1.775	ng	95
27) 2,4-Dimethylphenol	7.80	122	21562	1.924	ng	94
28) bis(2-Chloroethoxy)methane	7.90	93	35050	2.140	ng	99
29) 2,4-Dichlorophenol	8.02	162	20549	1.915	ng	94
30) 1,2,4-Trichlorobenzene	8.09	180	25035	2.191	ng	96
36) 4-Chloro-3-methylphenol	8.70	107	25176	2.081	ng	94
42) 2,4,6-Trichlorophenol	9.15	196	13486	1.953	ng	94
43) 2,4,5-Trichlorophenol	9.19	196	15229	1.918	ng	94
56) 2,4-Dinitrotoluene	10.10	165	15044	1.883	ng	# 91
60) 4-Chlorophenyl-phenylether	10.45	204	26258	2.372	ng	96
61) 4-Nitroaniline	10.47	138	13635	1.703	ng	99
76) Benzidine	12.73	184	17367	0.976	ng	# 91
81) 3,3'-Dichlorobenzidine	14.00	252	21957	1.992	ng	98

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

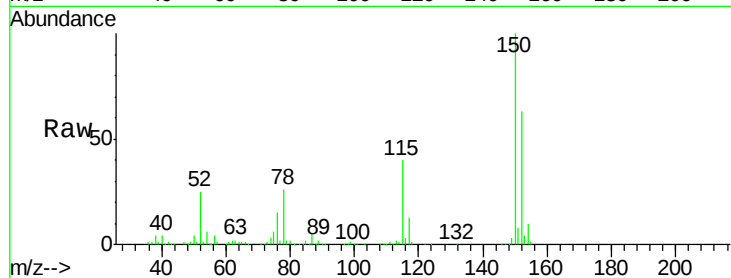


#1

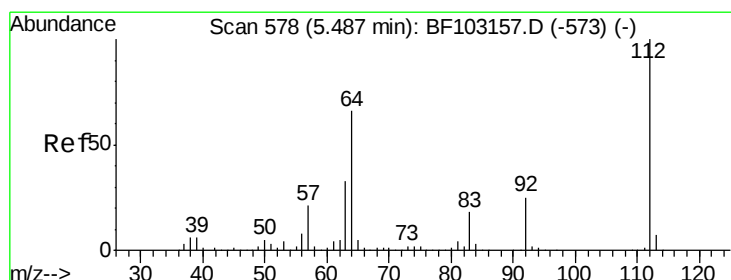
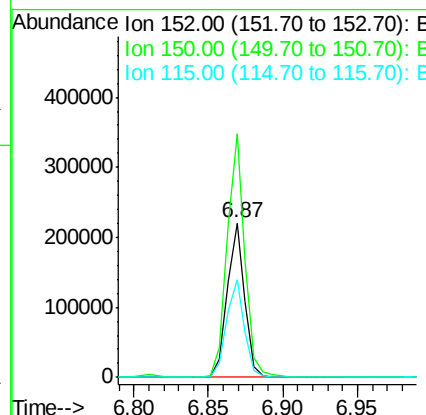
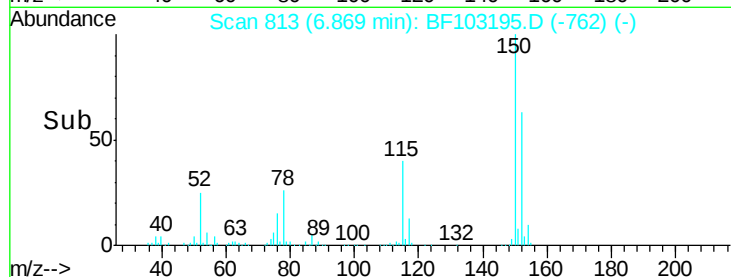
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.87 min Scan# 813
Delta R.T. 0.00 min
Lab File: BF103195.D
Acq: 23 Feb 2018 13:18

Instrument :
BNA_F
ClientSampleId :
LOD-MDL-WATER-01-QT1-2018

Tgt Ion:152 Resp: 182736
Ion Ratio Lower Upper
152 100
150 158.0 124.6 186.8
115 63.5 50.1 75.1



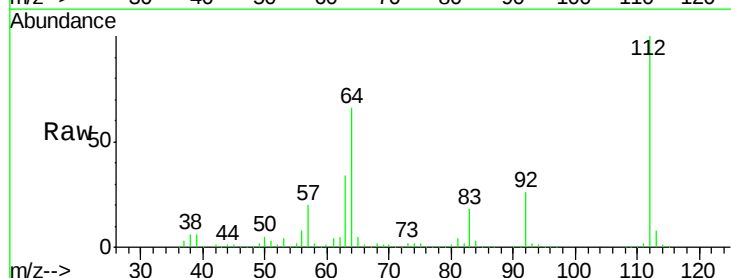
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



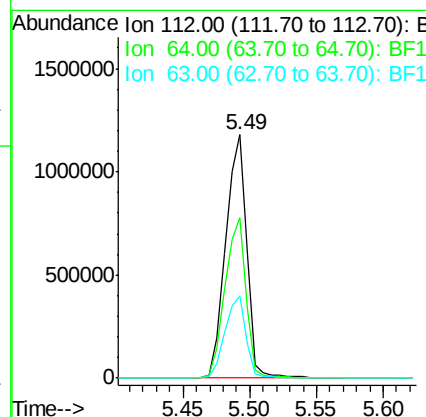
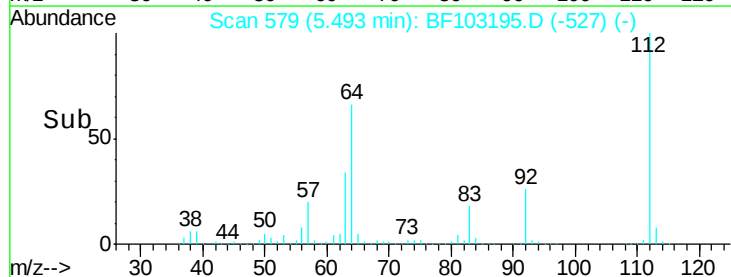
#5

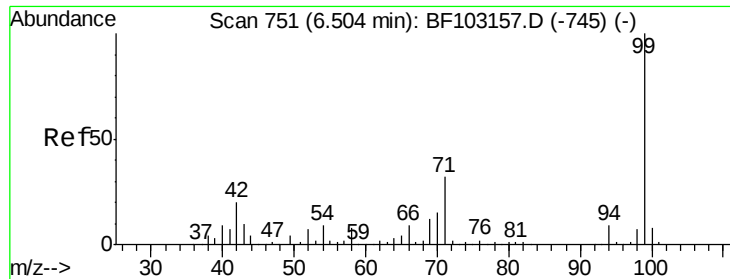
2-Fluorophenol
Concen: 109.457 ng
RT: 5.49 min Scan# 579
Delta R.T. 0.01 min
Lab File: BF103195.D
Acq: 23 Feb 2018 13:18

Tgt Ion:112 Resp: 1322490
Ion Ratio Lower Upper
112 100
64 65.9 47.9 71.9
63 34.0 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





#7

Phenol-d6

Concen: 110.544 ng

RT: 6.50 min Scan# 751

Delta R.T. 0.00 min

Lab File: BF103195.D

Acq: 23 Feb 2018 13:18

Instrument :

BNA_F

ClientSampleId :

LOD-MDL-WATER-01-QT1-2018

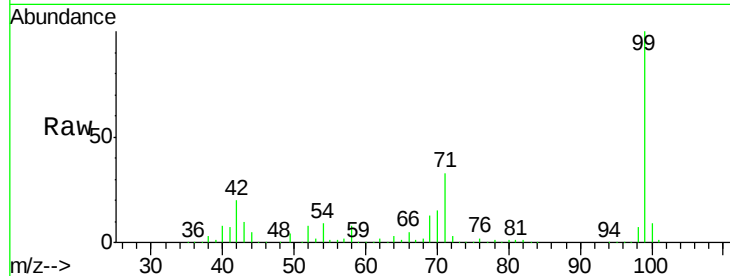
Tgt Ion: 99 Resp: 1634344

Ion Ratio Lower Upper

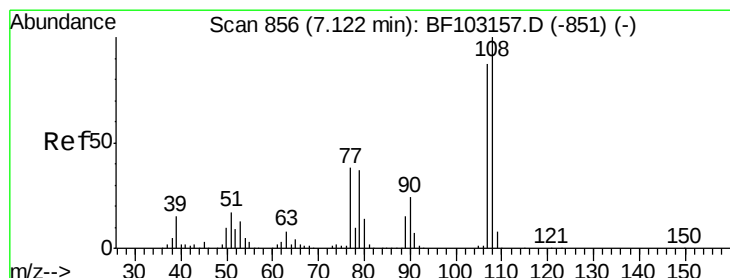
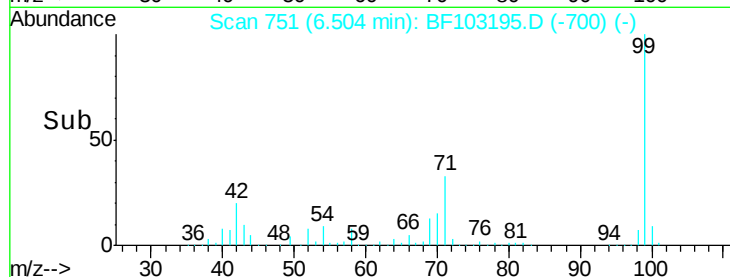
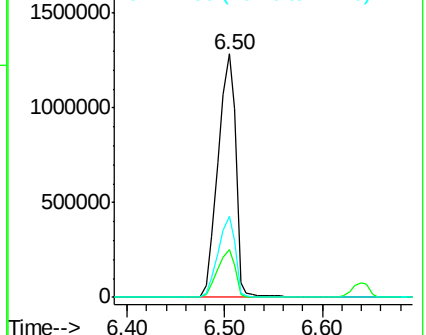
99 100

42 19.7 14.5 21.7

71 33.1 25.4 38.0



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



#17

2-Methylphenol

Concen: 2.150 ng

RT: 7.12 min Scan# 856

Delta R.T. 0.00 min

Lab File: BF103195.D

Acq: 23 Feb 2018 13:18

Tgt Ion: 107 Resp: 24528

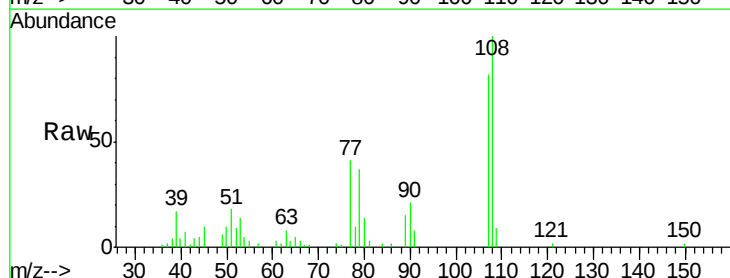
Ion Ratio Lower Upper

107 100

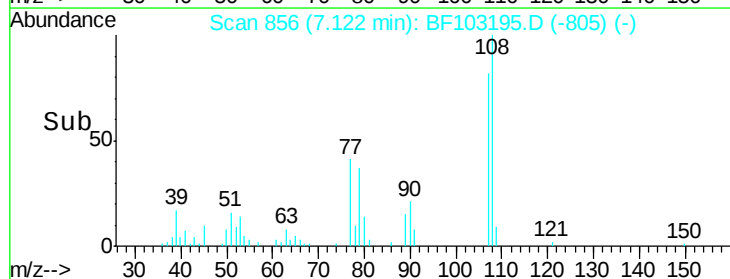
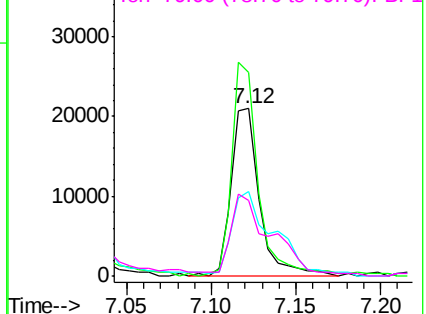
108 121.3 91.7 137.5

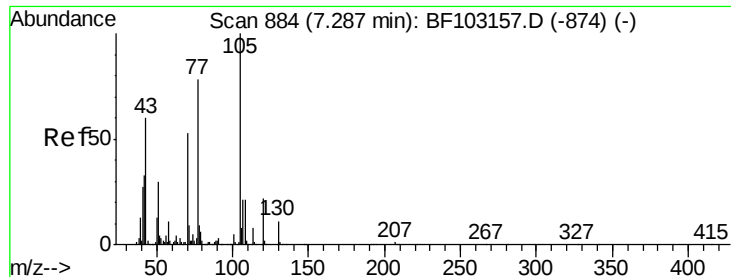
77 50.1 33.8 50.8

79 45.2 33.8 50.8



Abundance Ion 107.00 (106.70 to 107.70): E
Ion 108.00 (107.70 to 108.70): E
Ion 77.00 (76.70 to 77.70): BF1
Ion 79.00 (78.70 to 79.70): BF1

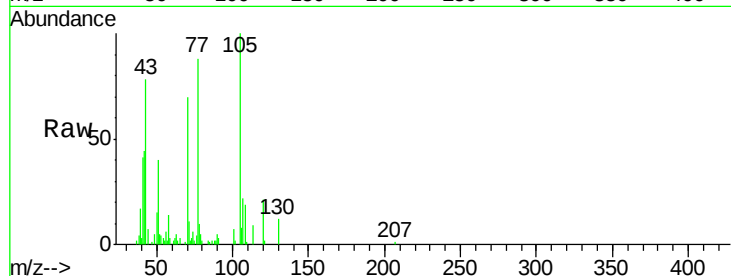




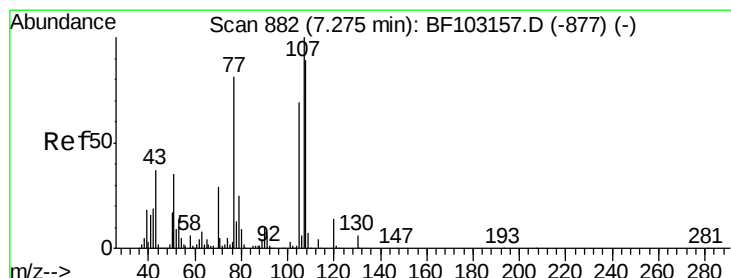
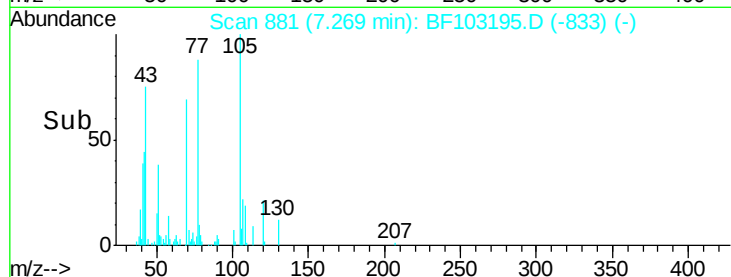
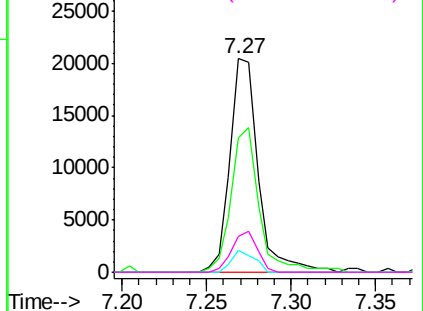
#19
n-Nitroso-di-n-propylamine
Concen: 2.593 ng
RT: 7.27 min Scan# 881
Delta R.T. -0.02 min
Lab File: BF103195.D
Acq: 23 Feb 2018 13:18

Instrument :
BNA_F
ClientSampleId :
LOD-MDL-WATER-01-QT1-2018

Tgt Ion:	70	Resp:	23860
Ion	Ratio	Lower	Upper
70	100		
42	63.1	47.5	71.3
101	10.3	7.4	11.2
130	16.9	16.6	25.0

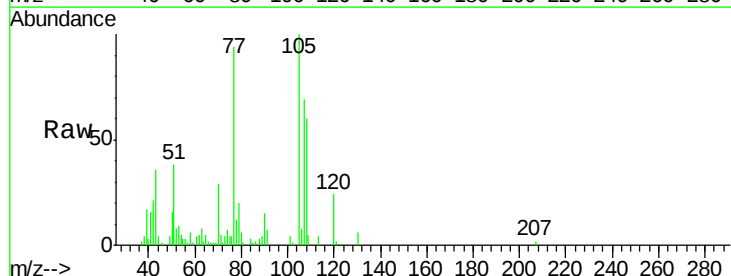


Abundance Ion 70.00 (69.70 to 70.70): BF1
Ion 42.00 (41.70 to 42.70): BF1
Ion 101.00 (100.70 to 101.70): BF1
Ion 130.00 (129.70 to 130.70): BF1

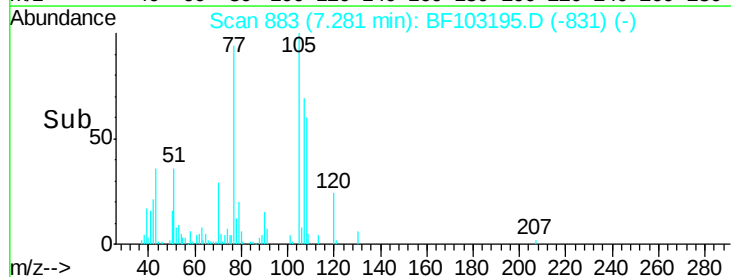
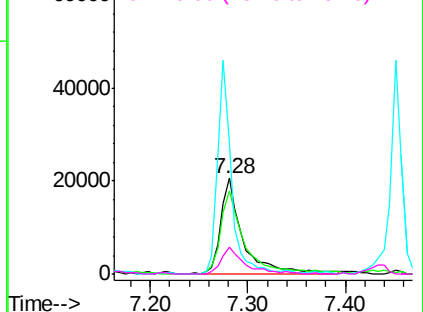


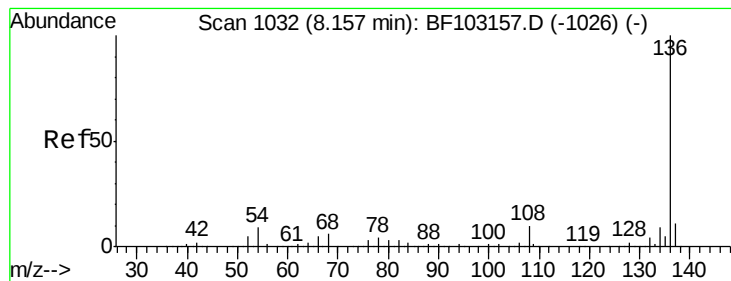
#20
3+4-Methylphenols
Concen: 2.367 ng
RT: 7.28 min Scan# 883
Delta R.T. 0.01 min
Lab File: BF103195.D
Acq: 23 Feb 2018 13:18

Tgt Ion:	107	Resp:	32917
Ion	Ratio	Lower	Upper
107	100		
108	87.2	68.2	108.2
77	135.9	26.7	66.7#
79	28.2	6.3	46.3



Abundance Ion 107.00 (106.70 to 107.70): BF1
Ion 108.00 (107.70 to 108.70): BF1
Ion 77.00 (76.70 to 77.70): BF1
Ion 79.00 (78.70 to 79.70): BF1





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.15 min Scan# 1031

Delta R.T. -0.01 min

Lab File: BF103195.D

Acq: 23 Feb 2018 13:18

Instrument :

BNA_F

ClientSampleId :

LOD-MDL-WATER-01-QT1-2018

Tgt Ion:136 Resp: 807705

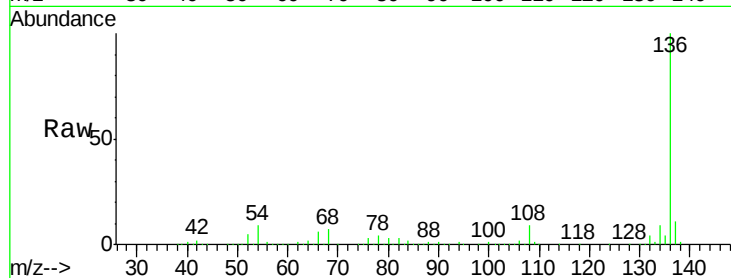
Ion Ratio Lower Upper

136 100

137 11.2 8.9 13.3

54 9.5 6.6 9.8

68 6.6 5.0 7.4

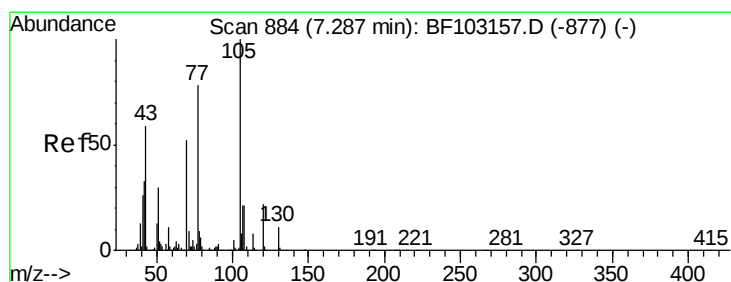
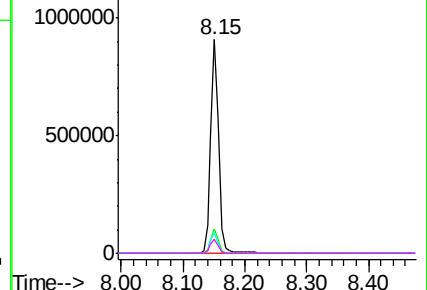
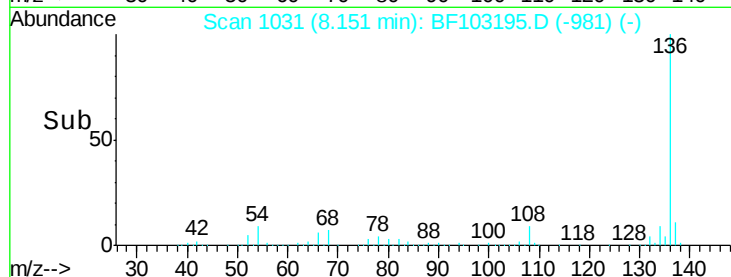


Abundance Ion 136.00 (135.70 to 136.70): E

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



#22

Acetophenone

Concen: 2.423 ng

RT: 7.27 min Scan# 882

Delta R.T. -0.01 min

Lab File: BF103195.D

Acq: 23 Feb 2018 13:18

Tgt Ion:105 Resp: 45677

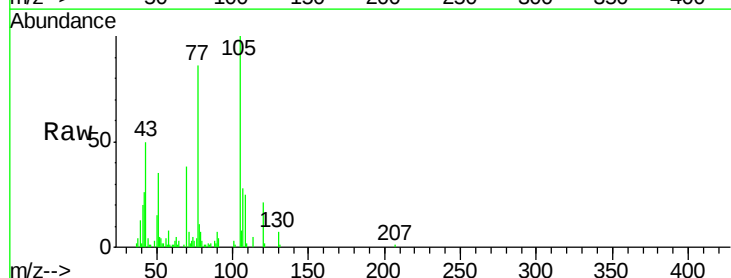
Ion Ratio Lower Upper

105 100

71 6.8 4.4 6.6#

51 35.1 22.3 33.5#

120 21.4 16.9 25.3

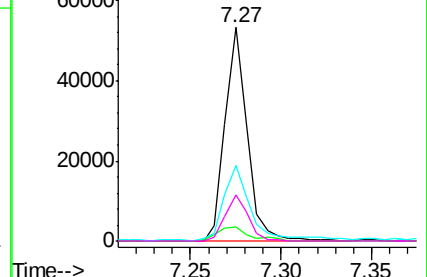
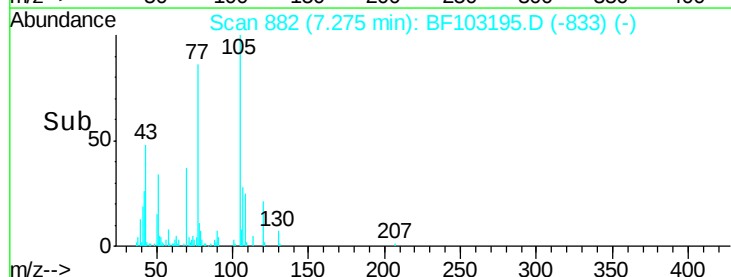


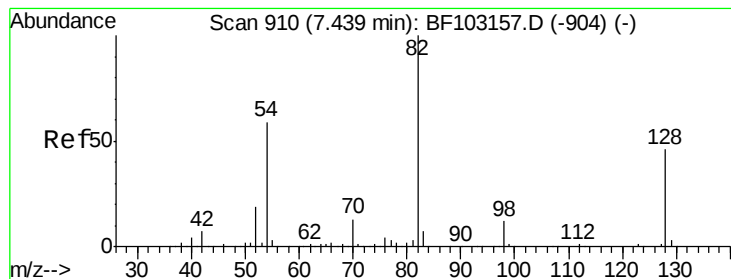
Abundance Ion 105.00 (104.70 to 105.70): E

Ion 71.00 (70.70 to 71.70): BF1

Ion 51.00 (50.70 to 51.70): BF1

Ion 120.00 (119.70 to 120.70): E





#23

Nitrobenzene-d5

Concen: 86.431 ng

RT: 7.44 min Scan# 910

Delta R.T. 0.00 min

Lab File: BF103195.D

Acq: 23 Feb 2018 13:18

Instrument :

BNA_F

ClientSampleId :

LOD-MDL-WATER-01-QT1-2018

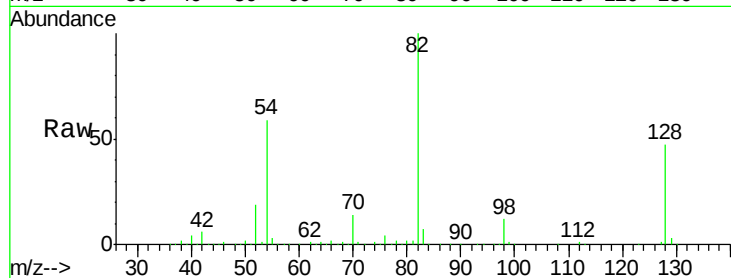
Tgt Ion: 82 Resp: 1222419

Ion Ratio Lower Upper

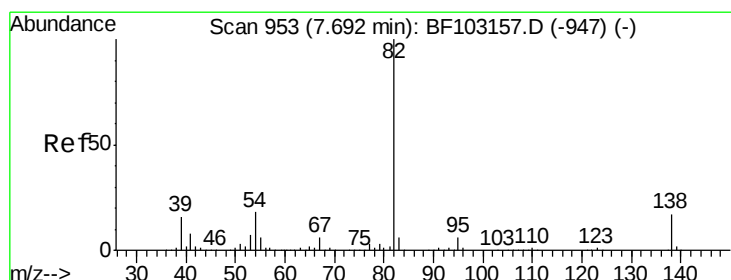
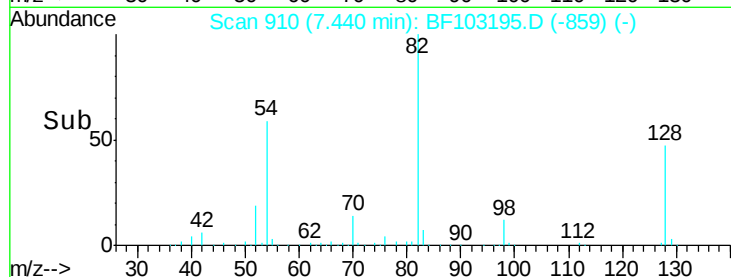
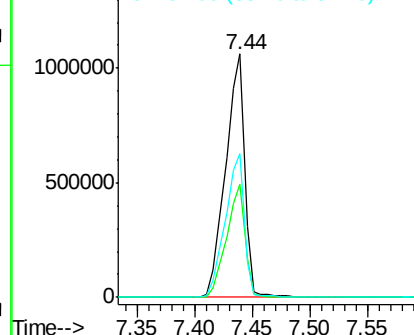
82 100

128 46.5 36.1 54.1

54 58.8 41.4 62.2



Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): BF1
Ion 54.00 (53.70 to 54.70): BF1



#25

Isophorone

Concen: 2.131 ng

RT: 7.69 min Scan# 952

Delta R.T. -0.01 min

Lab File: BF103195.D

Acq: 23 Feb 2018 13:18

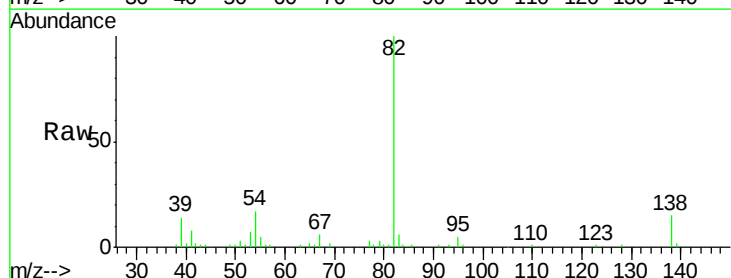
Tgt Ion: 82 Resp: 59363

Ion Ratio Lower Upper

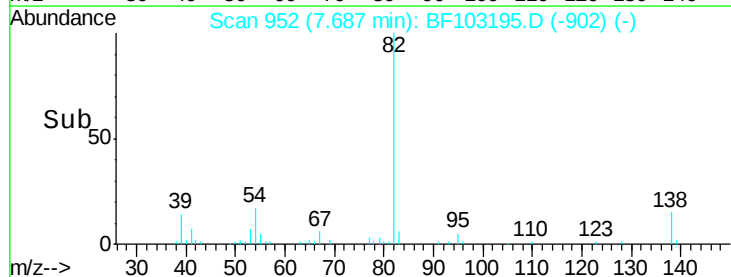
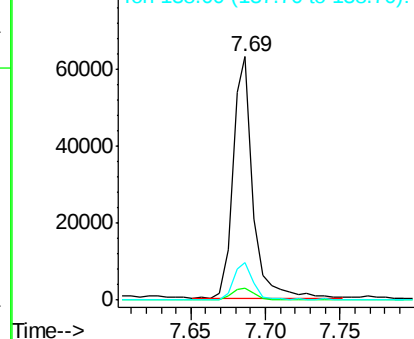
82 100

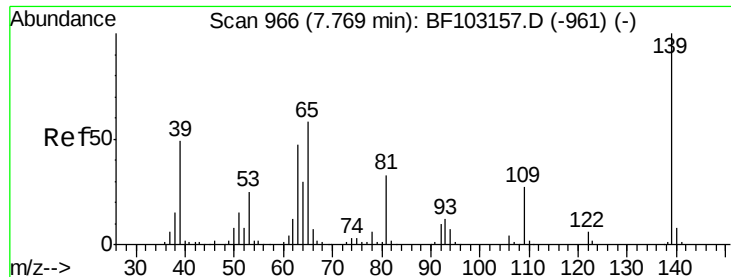
95 5.1 5.2 7.8#

138 15.5 14.9 22.3



Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 95.00 (94.70 to 95.70): BF1
Ion 138.00 (137.70 to 138.70): BF1

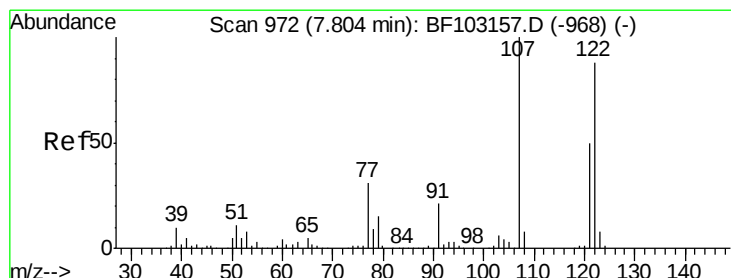
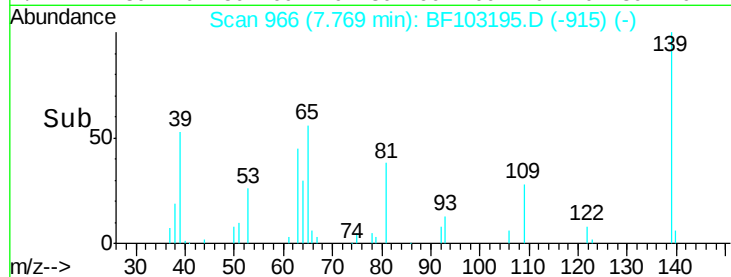
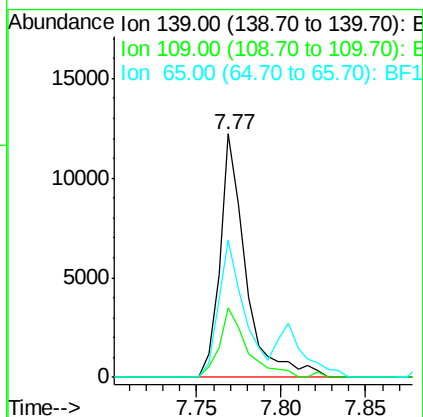
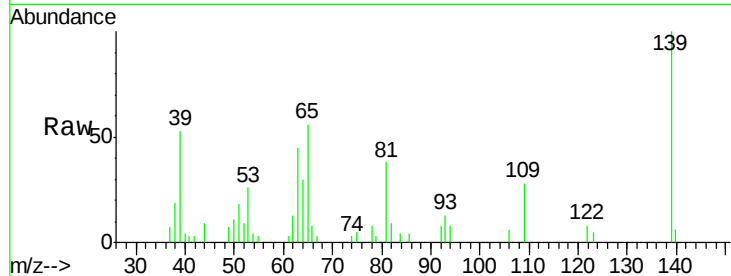




#26
2-Nitrophenol
Concen: 1.775 ng
RT: 7.77 min Scan# 966
Delta R.T. 0.00 min
Lab File: BF103195.D
Acq: 23 Feb 2018 13:18

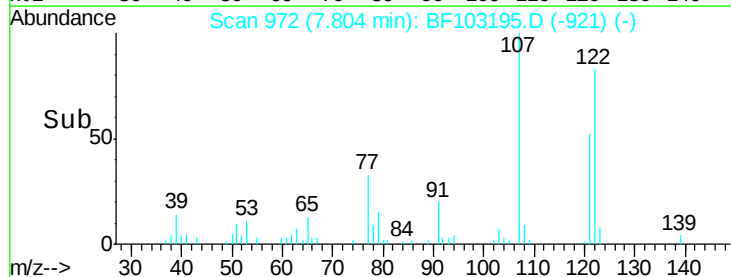
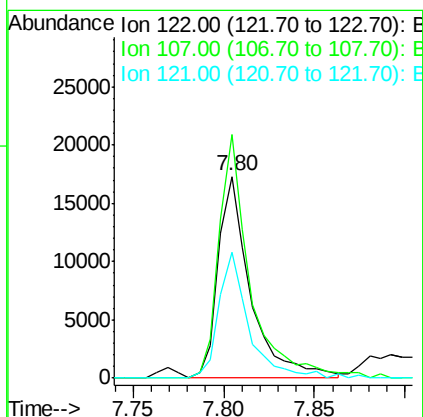
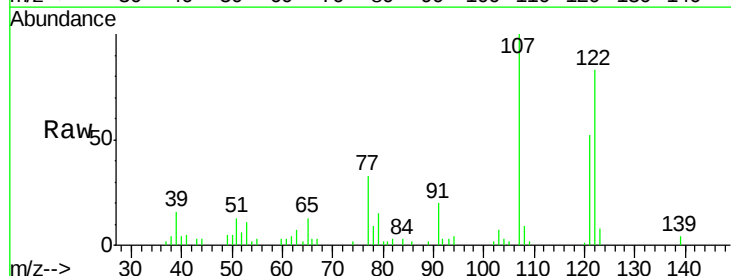
Instrument :
BNA_F
ClientSampleId :
LOD-MDL-WATER-01-QT1-2018

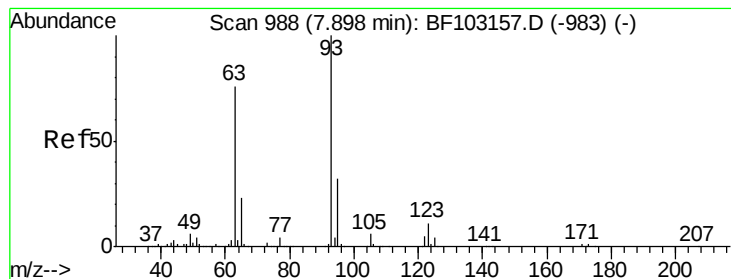
Tgt Ion:139 Resp: 13010
Ion Ratio Lower Upper
139 100
109 28.4 22.7 34.1
65 56.4 40.5 60.7



#27
2,4-Dimethylphenol
Concen: 1.924 ng
RT: 7.80 min Scan# 972
Delta R.T. 0.00 min
Lab File: BF103195.D
Acq: 23 Feb 2018 13:18

Tgt Ion:122 Resp: 21562
Ion Ratio Lower Upper
122 100
107 120.8 91.2 136.8
121 62.4 47.2 70.8





#28

bis(2-Chloroethoxy)methane

Concen: 2.140 ng

RT: 7.90 min Scan# 988

Delta R.T. 0.00 min

Lab File: BF103195.D

Acq: 23 Feb 2018 13:18

Instrument :

BNA_F

ClientSampleId :

LOD-MDL-WATER-01-QT1-2018

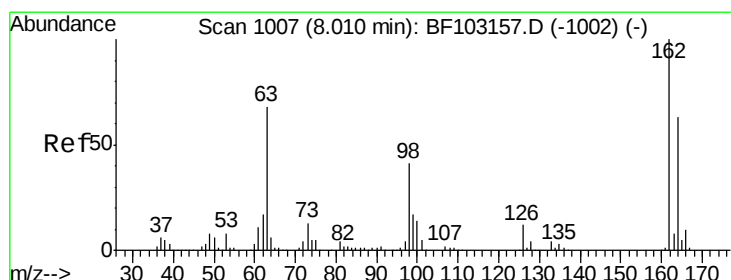
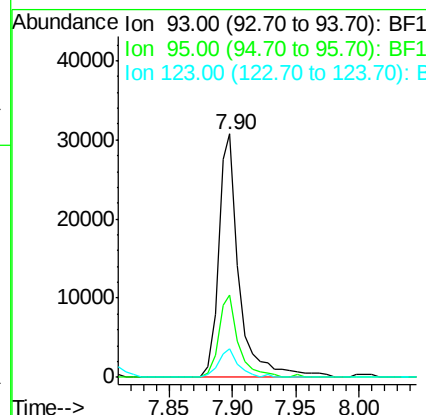
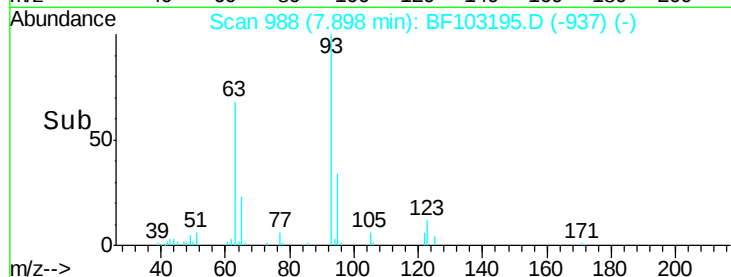
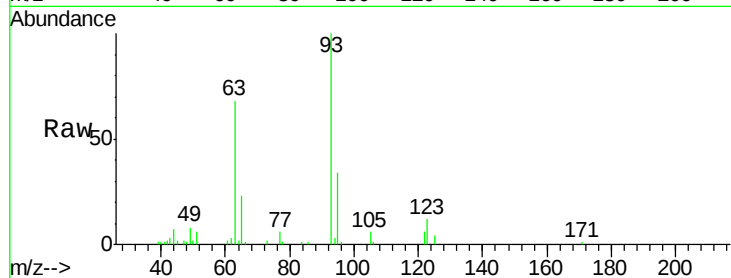
Tgt Ion: 93 Resp: 35050

Ion Ratio Lower Upper

93 100

95 33.6 26.3 39.5

123 11.5 9.8 14.6



#29

2,4-Dichlorophenol

Concen: 1.915 ng

RT: 8.02 min Scan# 1009

Delta R.T. 0.01 min

Lab File: BF103195.D

Acq: 23 Feb 2018 13:18

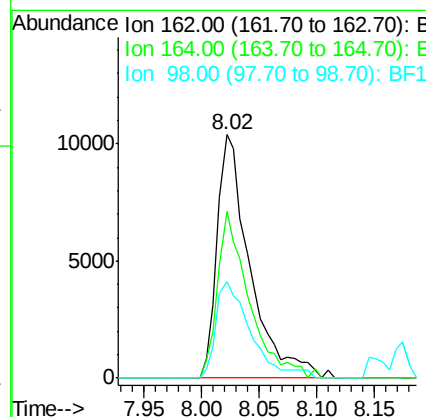
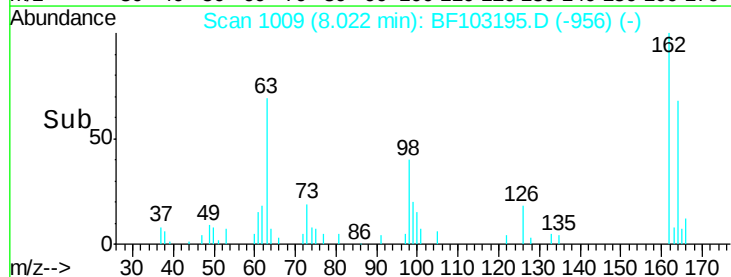
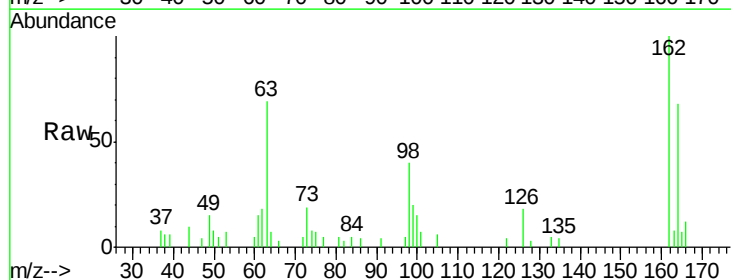
Tgt Ion: 162 Resp: 20549

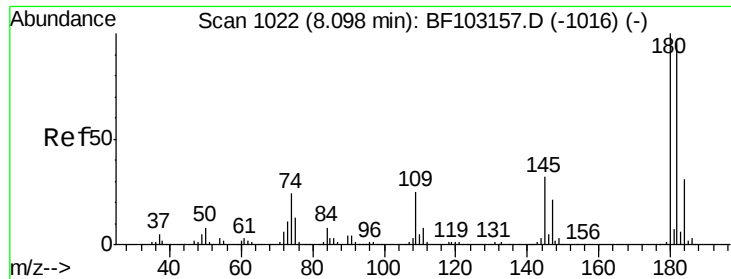
Ion Ratio Lower Upper

162 100

164 68.5 42.7 82.7

98 39.8 18.1 58.1

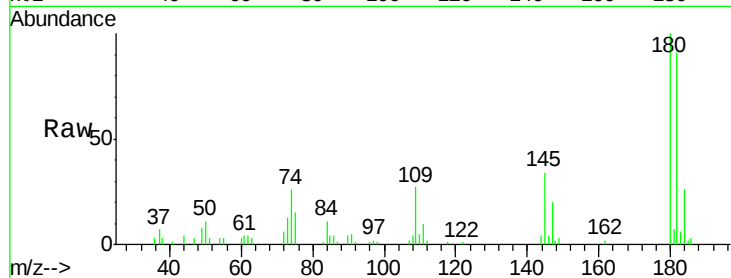




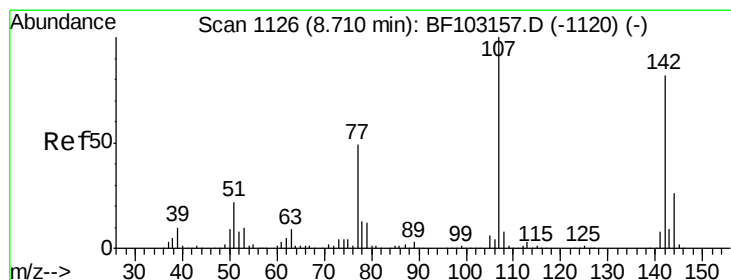
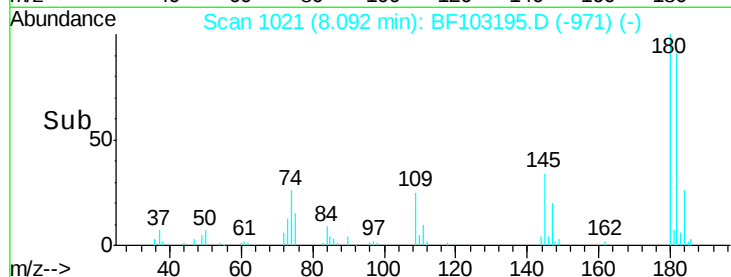
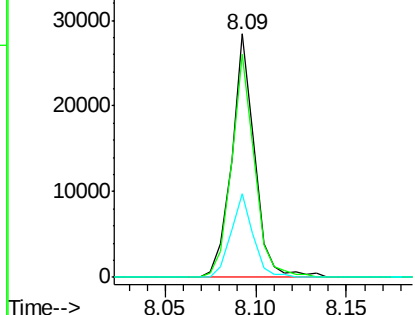
#30
 1,2,4-Trichlorobenzene
 Concen: 2.191 ng
 RT: 8.09 min Scan# 1021
 Delta R.T. -0.01 min
 Lab File: BF103195.D
 Acq: 23 Feb 2018 13:18

Instrument :
 BNA_F
 ClientSampleId :
 LOD-MDL-WATER-01-QT1-2018

Tgt Ion:180 Resp: 25035
 Ion Ratio Lower Upper
 180 100
 182 91.4 76.8 115.2
 145 34.4 26.5 39.7

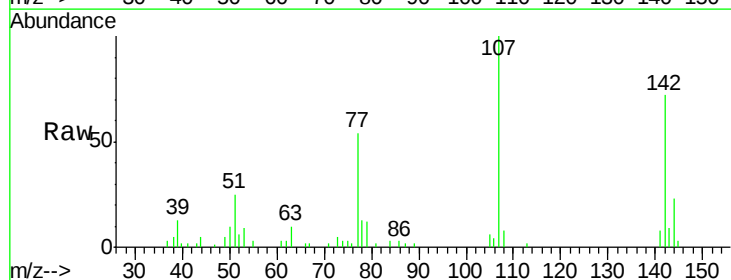


Abundance Ion 180.00 (179.70 to 180.70): E
 Ion 182.00 (181.70 to 182.70): E
 Ion 145.00 (144.70 to 145.70): E

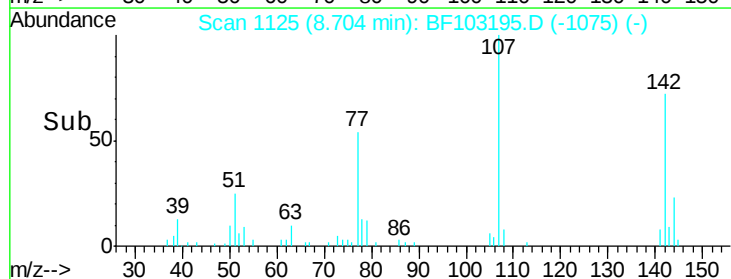
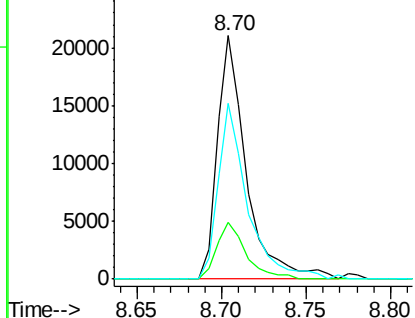


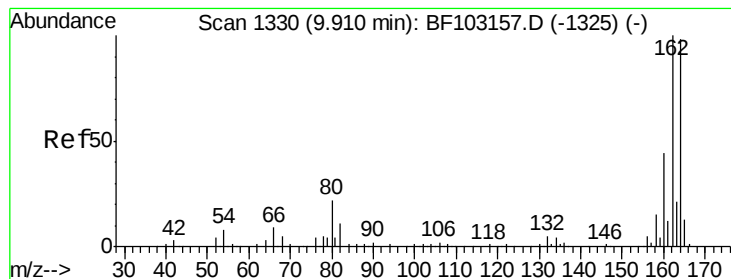
#36
 4-Chloro-3-methylphenol
 Concen: 2.081 ng
 RT: 8.70 min Scan# 1125
 Delta R.T. -0.01 min
 Lab File: BF103195.D
 Acq: 23 Feb 2018 13:18

Tgt Ion:107 Resp: 25176
 Ion Ratio Lower Upper
 107 100
 144 23.3 20.5 30.7
 142 72.3 62.0 93.0



Abundance Ion 107.00 (106.70 to 107.70): E
 Ion 144.00 (143.70 to 144.70): E
 Ion 142.00 (141.70 to 142.70): E





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.91 min Scan# 1330

Delta R.T. 0.00 min

Lab File: BF103195.D

Acq: 23 Feb 2018 13:18

Instrument :

BNA_F

ClientSampleId :

LOD-MDL-WATER-01-QT1-2018

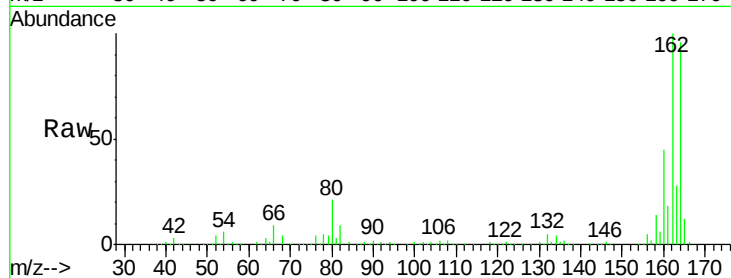
Tgt Ion:164 Resp: 375316

Ion Ratio Lower Upper

164 100

162 104.4 86.1 129.1

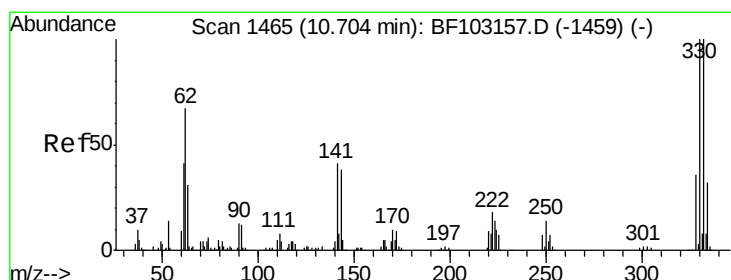
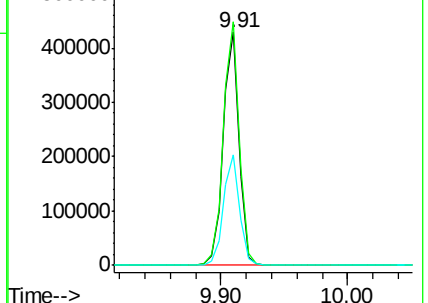
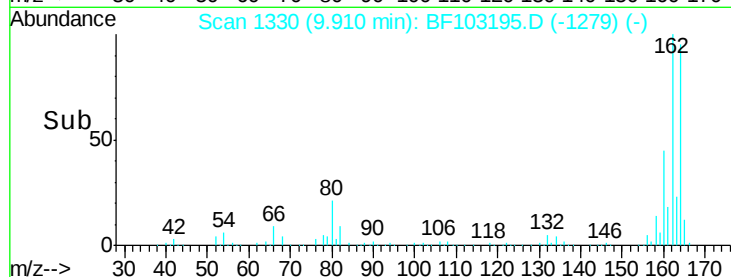
160 47.2 38.3 57.5



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



#41

2,4,6-Tribromophenol

Concen: 115.857 ng

RT: 10.70 min Scan# 1465

Delta R.T. 0.00 min

Lab File: BF103195.D

Acq: 23 Feb 2018 13:18

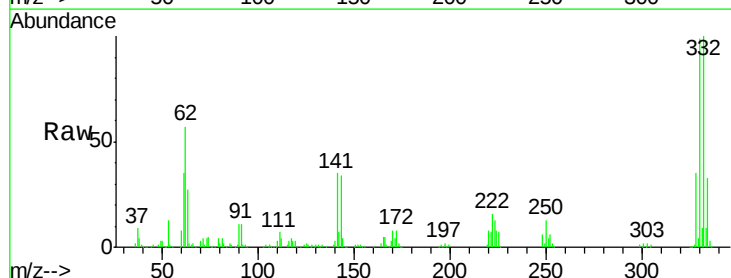
Tgt Ion:330 Resp: 368061

Ion Ratio Lower Upper

330 100

332 101.3 77.0 115.6

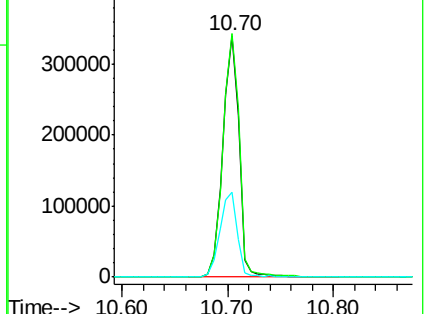
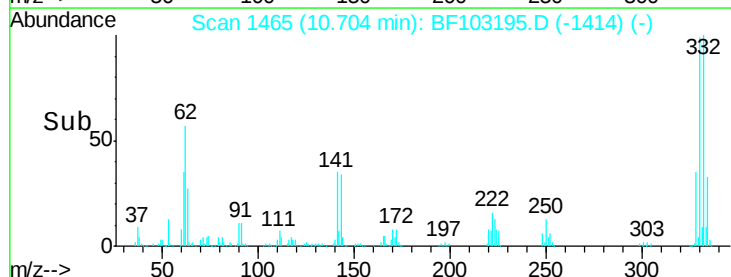
141 38.4 29.9 44.9

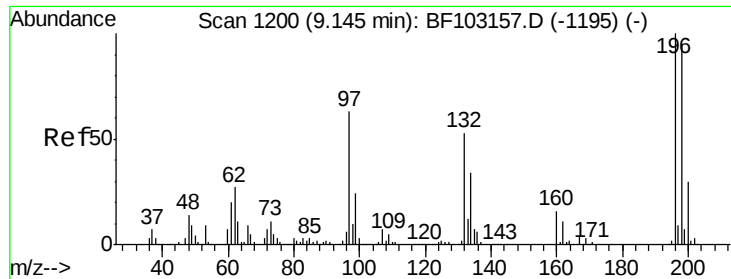


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

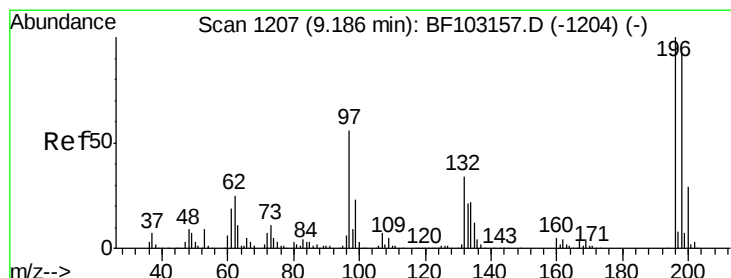
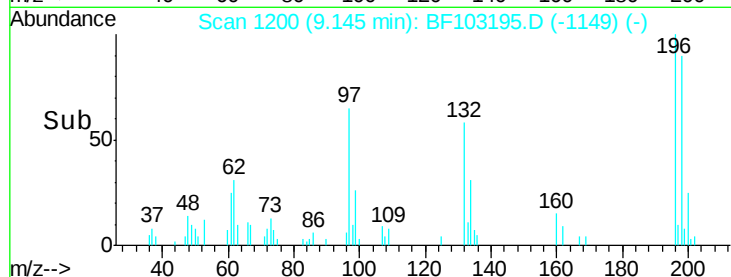
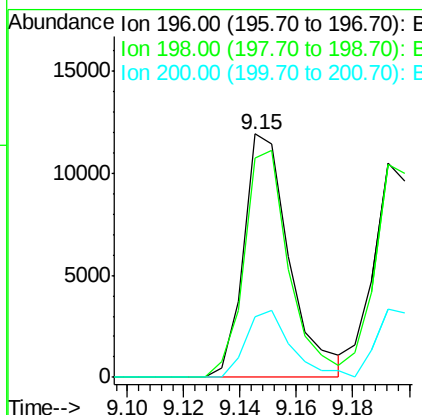
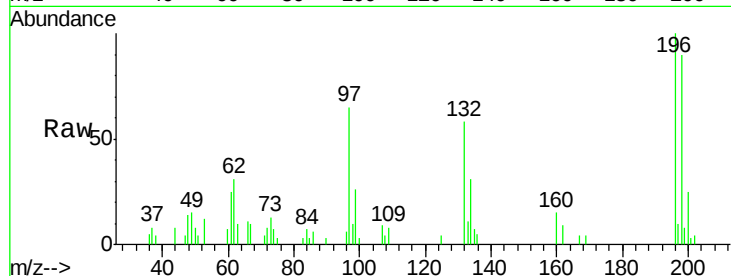




#42
 2,4,6-Trichlorophenol
 Concen: 1.953 ng
 RT: 9.15 min Scan# 1200
 Delta R.T. 0.00 min
 Lab File: BF103195.D
 Acq: 23 Feb 2018 13:18

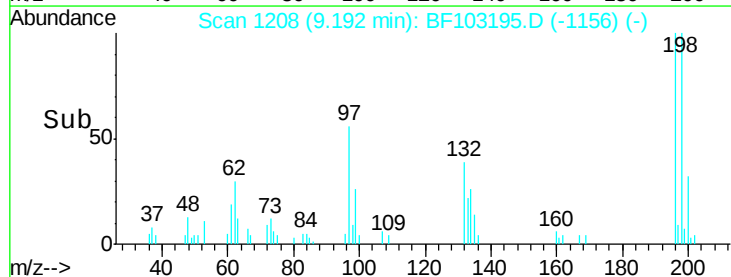
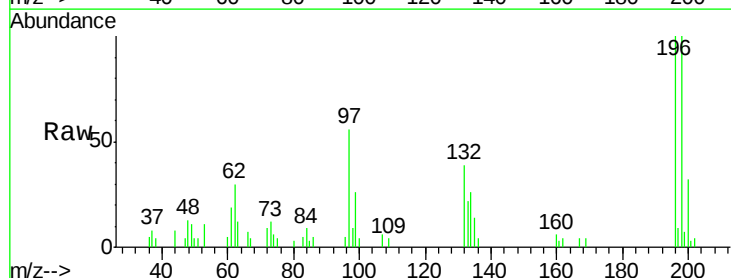
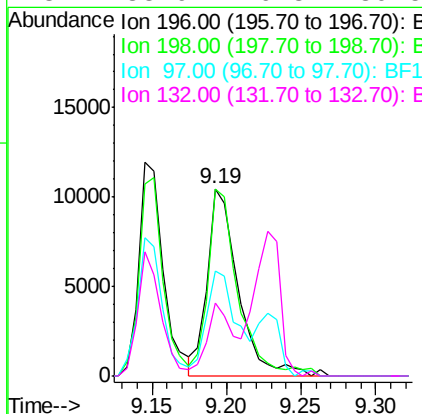
Instrument :
 BNA_F
 ClientSampleId :
 LOD-MDL-WATER-01-QT1-2018

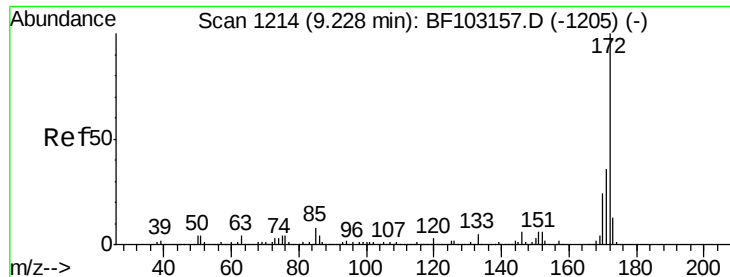
Tgt Ion:196 Resp: 13486
 Ion Ratio Lower Upper
 196 100
 198 90.1 75.7 113.5
 200 24.7 24.5 36.7



#43
 2,4,5-Trichlorophenol
 Concen: 1.918 ng
 RT: 9.19 min Scan# 1208
 Delta R.T. 0.01 min
 Lab File: BF103195.D
 Acq: 23 Feb 2018 13:18

Tgt Ion:196 Resp: 15229
 Ion Ratio Lower Upper
 196 100
 198 99.6 74.6 112.0
 97 56.0 42.9 64.3
 132 38.9 26.3 39.5





#44

2-Fluorobiphenyl

Concen: 83.428 ng

RT: 9.23 min Scan# 1215

Delta R.T. 0.01 min

Lab File: BF103195.D

Acq: 23 Feb 2018 13:18

Instrument :

BNA_F

ClientSampleId :

LOD-MDL-WATER-01-QT1-2018

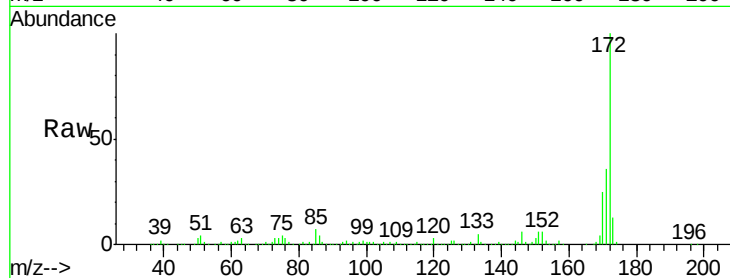
Tgt Ion:172 Resp: 1825930

Ion Ratio Lower Upper

172 100

171 36.5 29.7 44.5

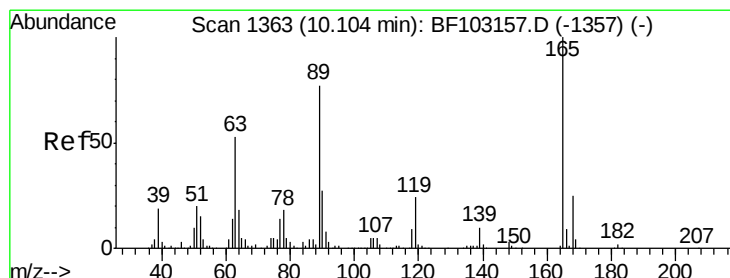
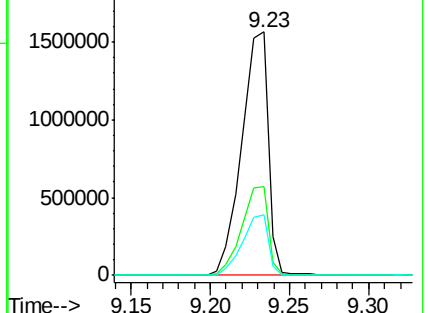
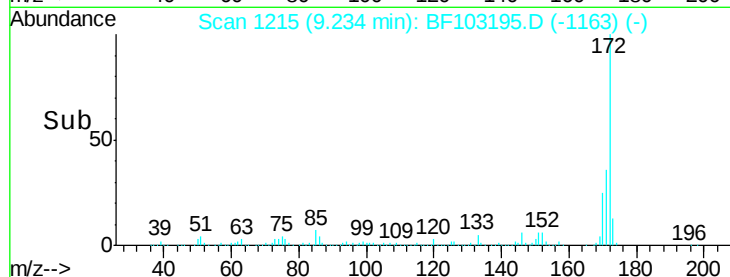
170 24.8 19.6 29.4



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



#56

2,4-Dinitrotoluene

Concen: 1.883 ng

RT: 10.10 min Scan# 1362

Delta R.T. -0.01 min

Lab File: BF103195.D

Acq: 23 Feb 2018 13:18

Tgt Ion:165 Resp: 15044

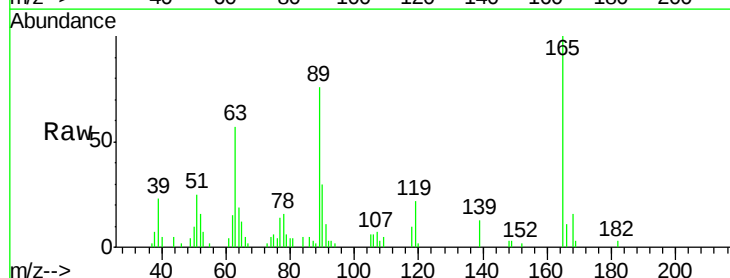
Ion Ratio Lower Upper

165 100

63 57.2 36.4 54.6#

89 75.8 57.8 86.6

182 2.5 1.6 2.4#

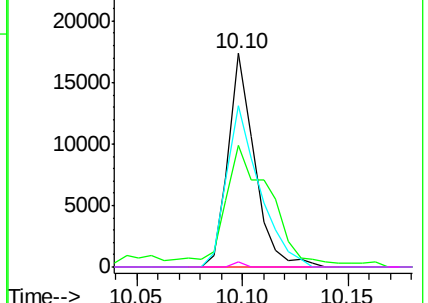
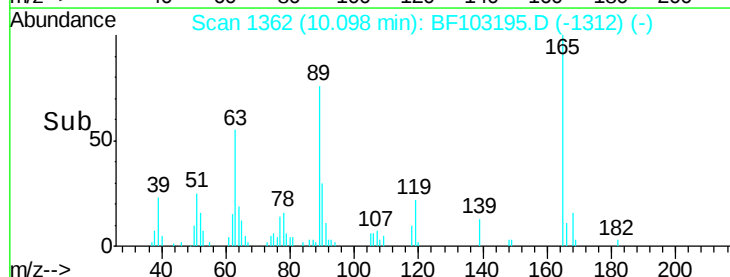


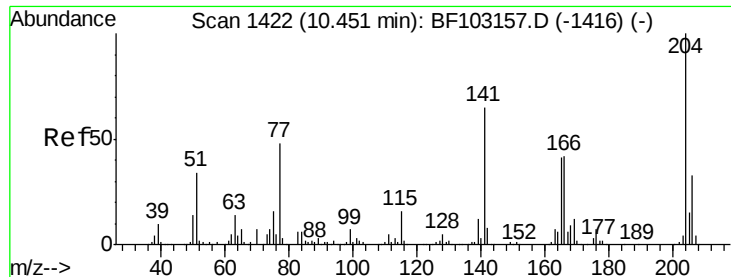
Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1

Ion 182.00 (181.70 to 182.70): E

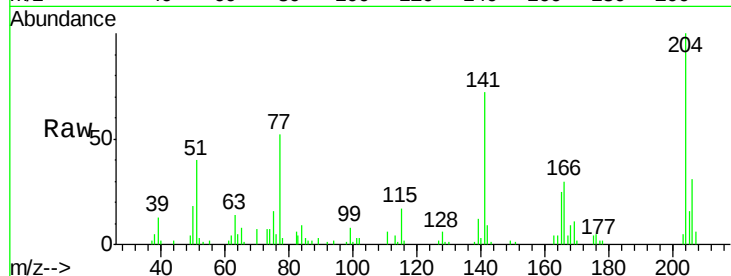




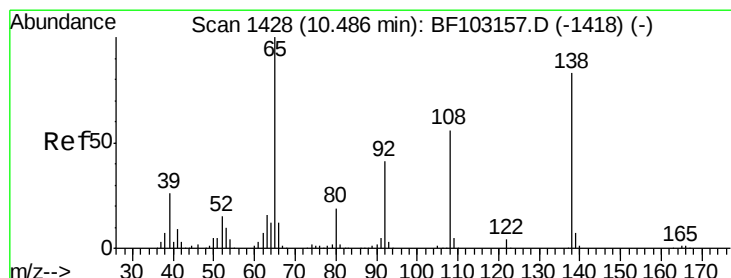
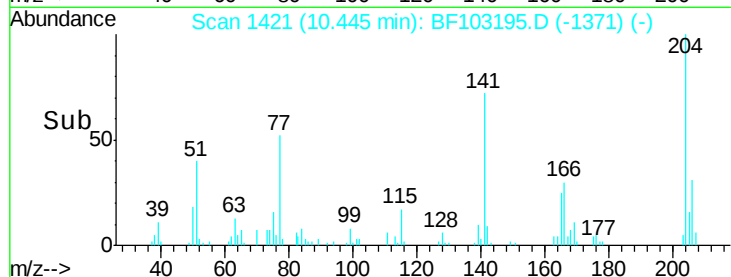
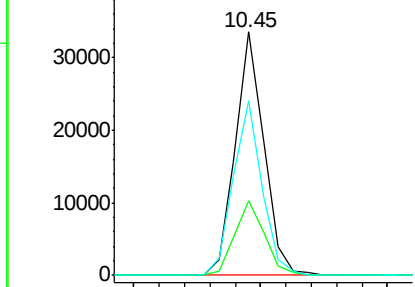
#60
 4-Chlorophenyl-phenylether
 Concen: 2.372 ng
 RT: 10.45 min Scan# 1421
 Delta R.T. -0.01 min
 Lab File: BF103195.D
 Acq: 23 Feb 2018 13:18

Instrument :
 BNA_F
 ClientSampleId :
 LOD-MDL-WATER-01-QT1-2018

Tgt Ion: 204 Resp: 26258
 Ion Ratio Lower Upper
 204 100
 206 30.9 26.5 39.7
 141 71.6 54.6 81.8

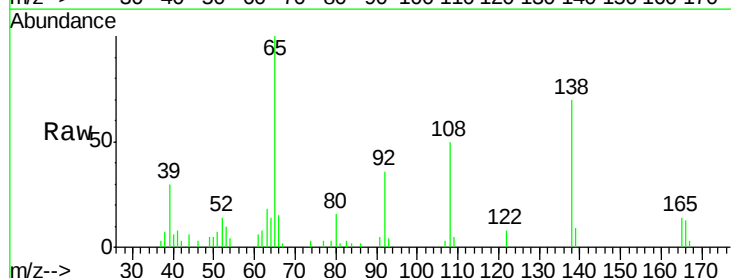


Abundance Ion 204.00 (203.70 to 204.70): E
 Ion 206.00 (205.70 to 206.70): E
 Ion 141.00 (140.70 to 141.70): E

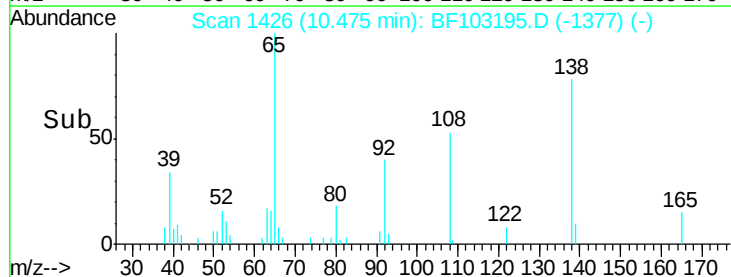
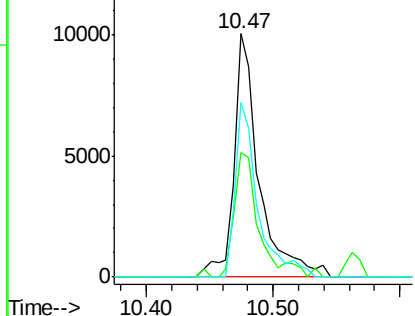


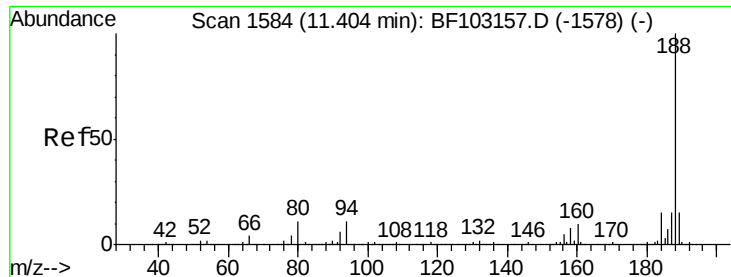
#61
 4-Nitroaniline
 Concen: 1.703 ng
 RT: 10.47 min Scan# 1426
 Delta R.T. -0.01 min
 Lab File: BF103195.D
 Acq: 23 Feb 2018 13:18

Tgt Ion: 138 Resp: 13635
 Ion Ratio Lower Upper
 138 100
 92 51.2 30.2 70.2
 108 71.6 52.5 92.5



Abundance Ion 138.00 (137.70 to 138.70): E
 Ion 92.00 (91.70 to 92.70): BF1
 Ion 108.00 (107.70 to 108.70): E

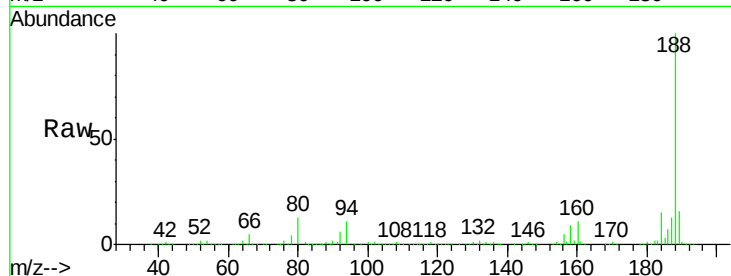




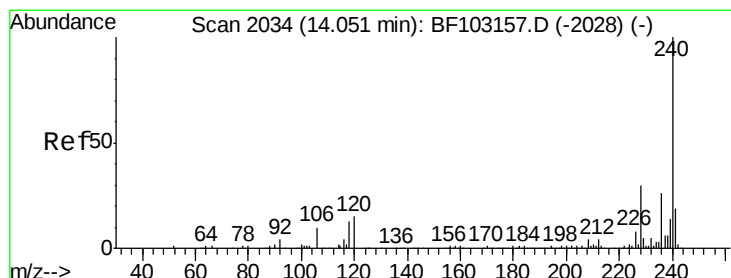
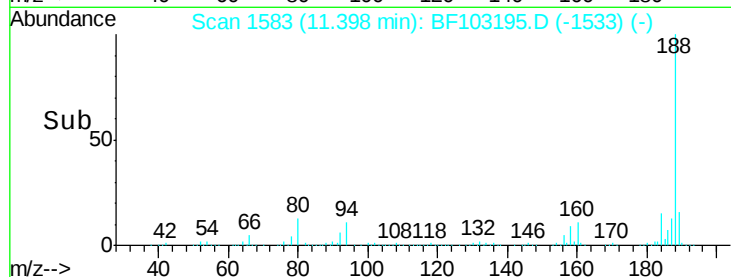
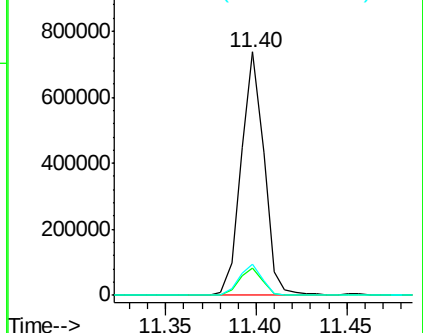
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.40 min Scan# 1583
Delta R.T. -0.01 min
Lab File: BF103195.D
Acq: 23 Feb 2018 13:18

Instrument :
BNA_F
ClientSampleId :
LOD-MDL-WATER-01-QT1-2018

Tgt Ion:188 Resp: 646600
Ion Ratio Lower Upper
188 100
94 11.4 8.5 12.7
80 12.6 9.2 13.8

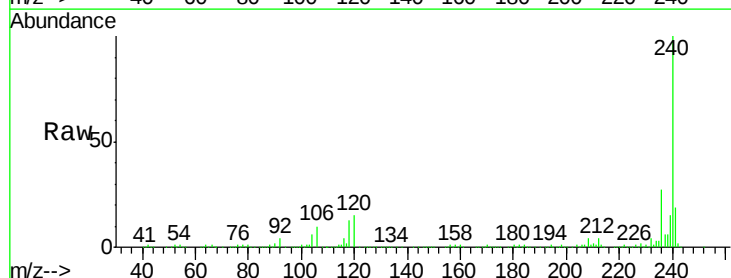


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF1
Ion 80.00 (79.70 to 80.70): BF1

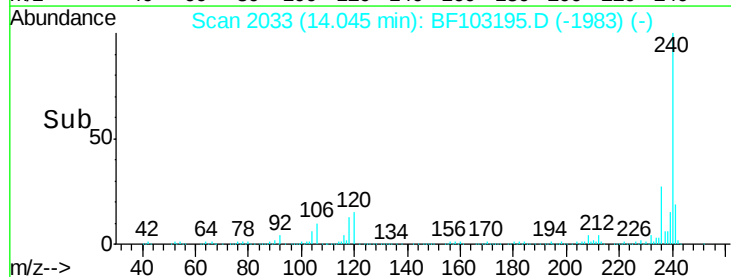
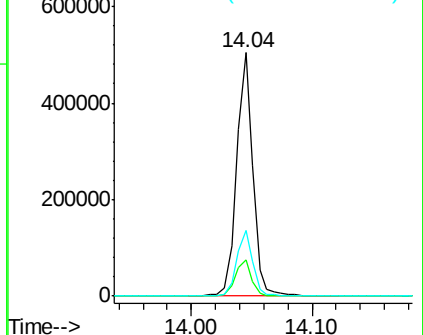


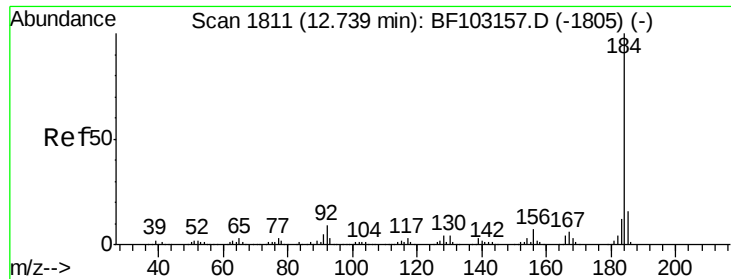
#75
Chrysene-d12
Concen: 20.000 ng
RT: 14.04 min Scan# 2033
Delta R.T. -0.01 min
Lab File: BF103195.D
Acq: 23 Feb 2018 13:18

Tgt Ion:240 Resp: 476057
Ion Ratio Lower Upper
240 100
120 14.8 9.5 14.3#
236 26.8 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

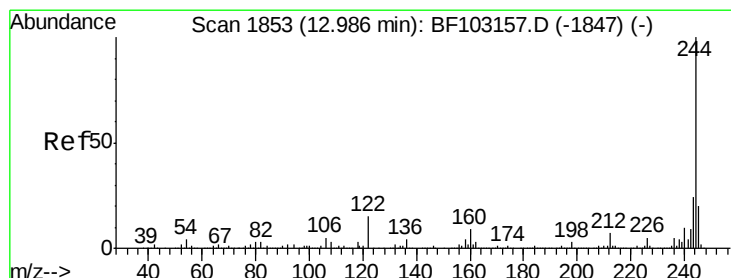
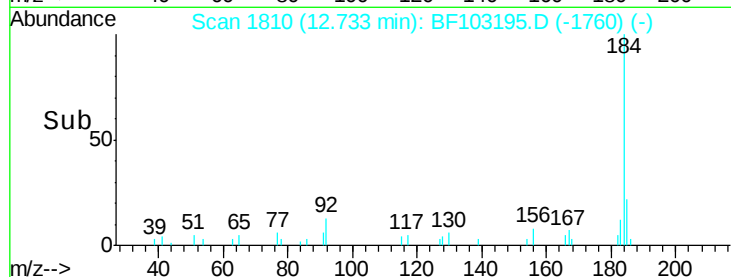
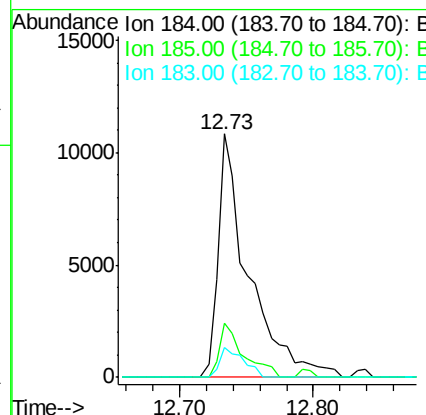
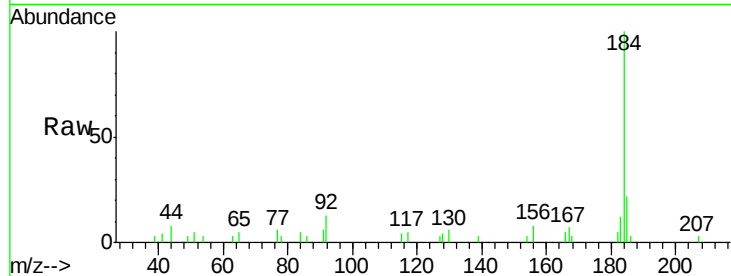




#76
Benzidine
Concen: 0.976 ng
RT: 12.73 min Scan# 1810
Delta R.T. -0.01 min
Lab File: BF103195.D
Acq: 23 Feb 2018 13:18

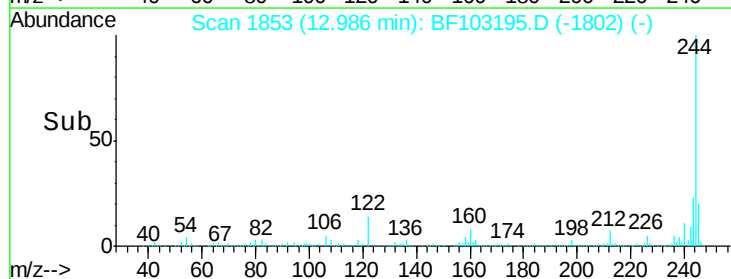
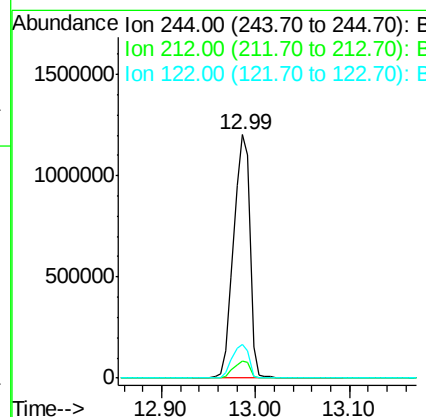
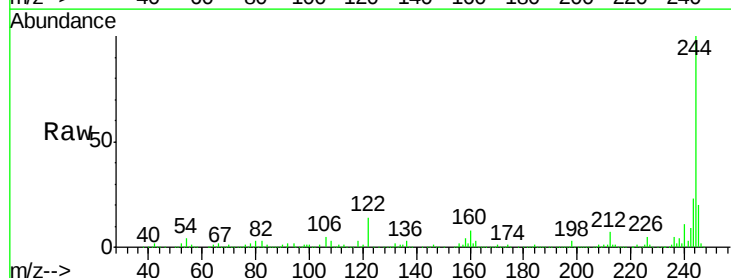
Instrument :
BNA_F
ClientSampleId :
LOD-MDL-WATER-01-QT1-2018

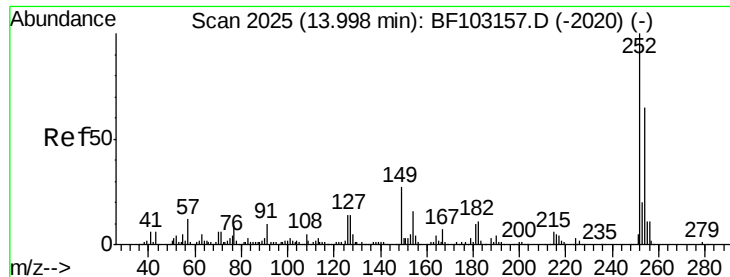
Tgt Ion:184 Resp: 17367
Ion Ratio Lower Upper
184 100
185 22.0 12.6 18.8#
183 12.3 9.3 13.9



#78
Terphenyl-d14
Concen: 73.633 ng
RT: 12.99 min Scan# 1853
Delta R.T. 0.00 min
Lab File: BF103195.D
Acq: 23 Feb 2018 13:18

Tgt Ion:244 Resp: 1458220
Ion Ratio Lower Upper
244 100
212 7.0 5.4 8.0
122 14.0 11.0 16.4

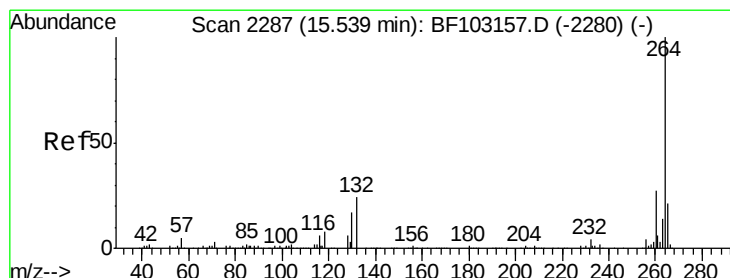
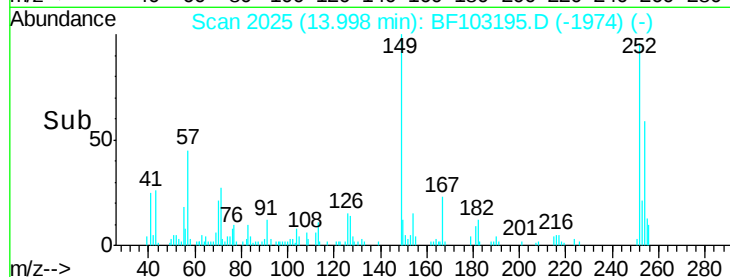
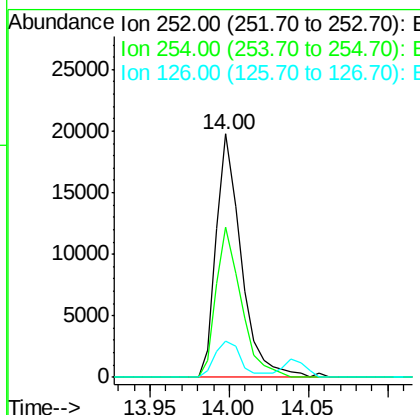
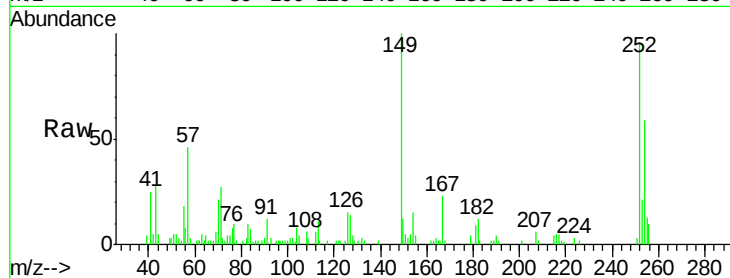




#81
 3,3'-Dichlorobenzidine
 Concen: 1.992 ng
 RT: 14.00 min Scan# 2025
 Delta R.T. 0.00 min
 Lab File: BF103195.D
 Acq: 23 Feb 2018 13:18

Instrument :
 BNA_F
 ClientSampleId :
 LOD-MDL-WATER-01-QT1-2018

Tgt Ion: 252 Resp: 21957
 Ion Ratio Lower Upper
 252 100
 254 61.4 50.4 75.6
 126 15.1 11.3 16.9



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.54 min Scan# 2287
 Delta R.T. 0.00 min
 Lab File: BF103195.D
 Acq: 23 Feb 2018 13:18

Tgt Ion: 264 Resp: 460859
 Ion Ratio Lower Upper
 264 100
 260 24.1 19.2 28.8
 265 21.3 17.5 26.3

