

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062518\
 Data File : BF106770.D
 Acq On : 25 Jun 2018 14:36
 Operator : JU/SJ
 Sample : J3627-35
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 GROUND-WATER

Quant Time: Jun 25 15:23:05 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF061918.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jun 22 11:34:03 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.96	152	51641	20.00	ng	0.00
21) Naphthalene-d8	8.24	136	198462	20.00	ng	0.00
38) Acenaphthene-d10	10.00	164	103611	20.00	ng	0.00
63) Phenanthrene-d10	11.50	188	189055	20.00	ng	0.00
75) Chrysene-d12	14.15	240	132956	20.00	ng	0.00
86) Perylene-d12	15.71	264	147262	20.00	ng	0.02

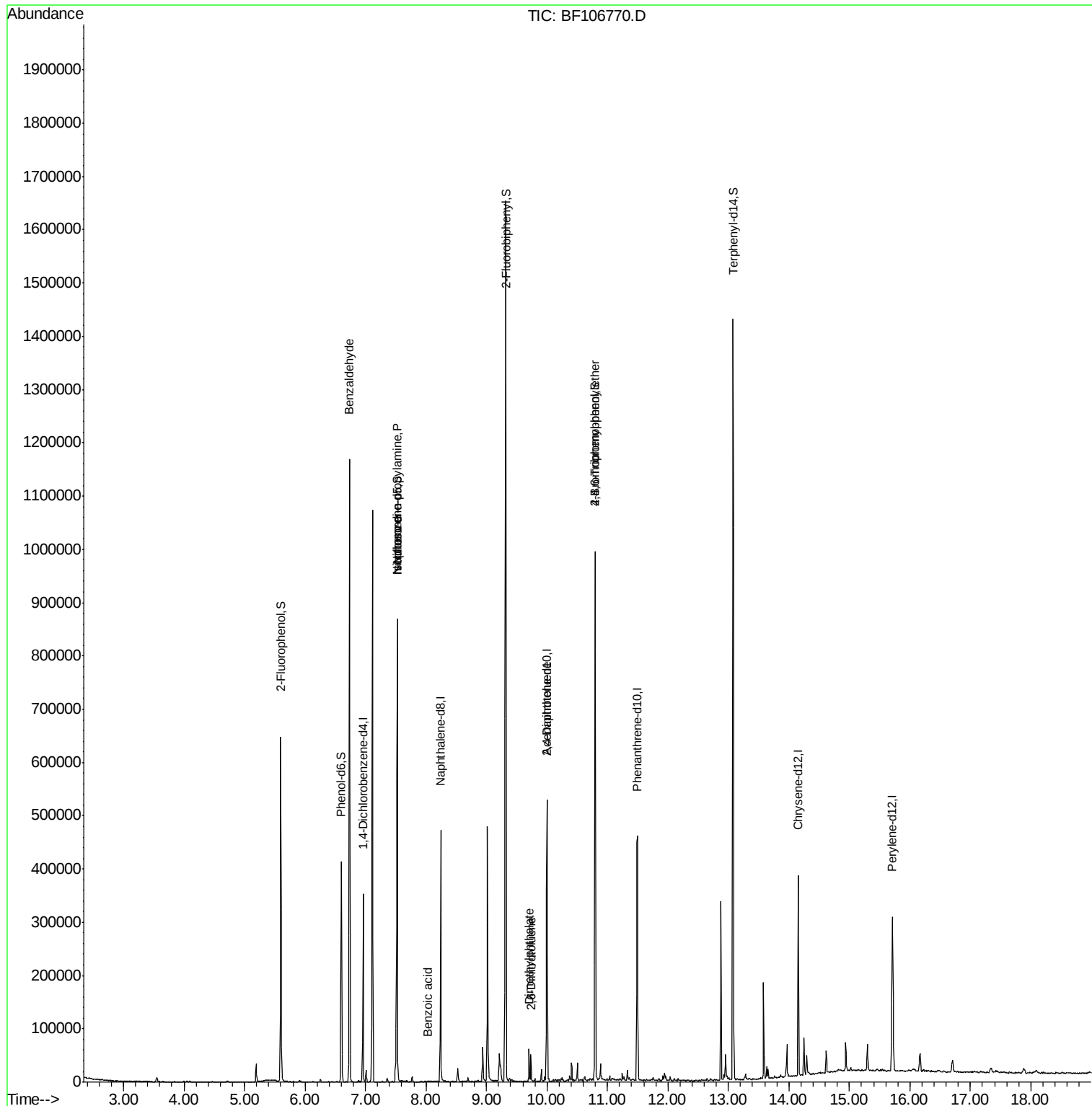
System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.60	112	180541	59.20	ng	0.00
7) Phenol-d6	6.60	99	141462	37.14	ng	0.00
23) Nitrobenzene-d5	7.52	82	311760	87.30	ng	0.00
41) 2,4,6-Tribromophenol	10.80	330	158141	131.69	ng	0.00
44) 2-Fluorobiphenyl	9.32	172	576109	96.03	ng	0.00
78) Terphenyl-d14	13.08	244	551947	100.56	ng	0.00

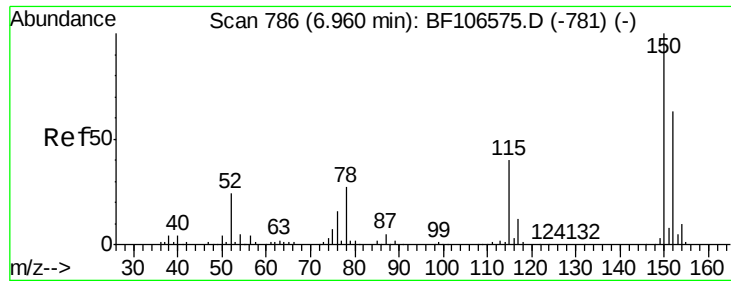
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.74	77	6757	2.115	ng	92
19) n-Nitroso-di-n-propylamine	7.52	70	40091	15.970	ng	# 75
25) Isophorone	7.52	82	311758	49.541	ng	# 64
32) Benzoic acid	8.03	122	122	5.787	ng	# 1
49) Dimethylphthalate	9.71	163	23328	3.002	ng	97
50) 2,6-Dinitrotoluene	9.74	165	5061	3.076	ng	# 24
56) 2,4-Dinitrotoluene	10.00	165	13052	6.077	ng	# 21
66) 4-Bromophenyl-phenylether	10.80	248	9664	4.283	ng	# 1

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

```
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Sample    : J3627-35  
Misc      :  
ALS Vial  : 12    Sample Multiplier: 1
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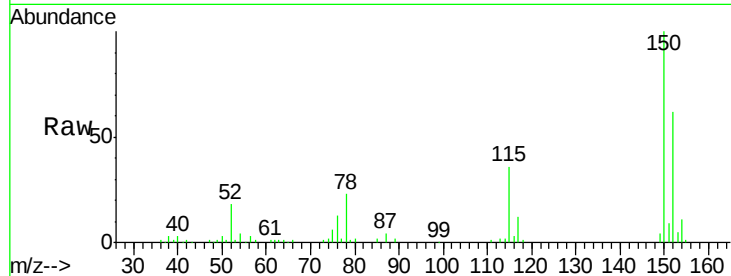




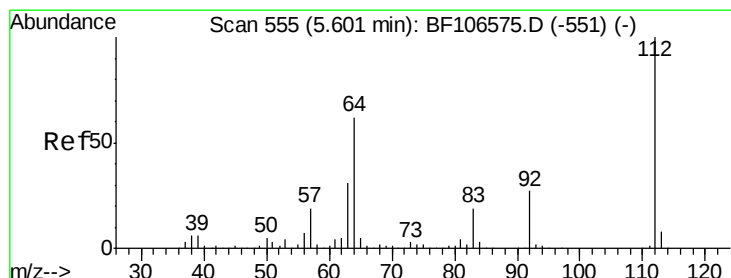
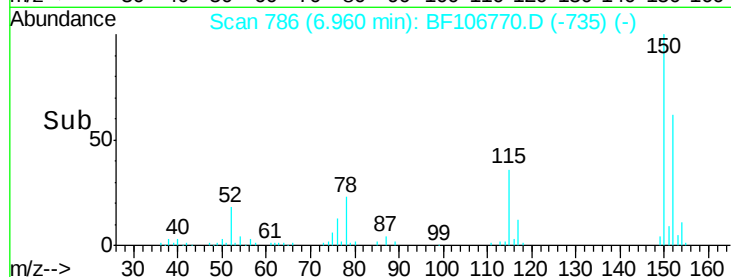
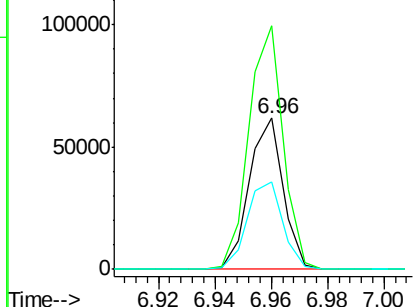
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.96 min Scan# 786
 Delta R.T. 0.00 min
 Lab File: BF106770.D
 Acq: 25 Jun 2018 14:36

Instrument :
 BNA_F
 ClientSampleId :
 GROUND-WATER

Tgt Ion:152 Resp: 51641
 Ion Ratio Lower Upper
 152 100
 150 160.8 124.6 186.8
 115 58.2 50.1 75.1

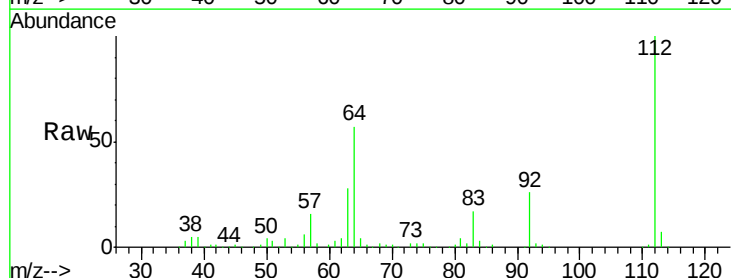


Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E

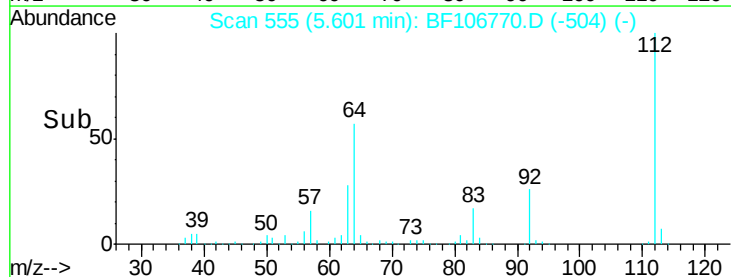
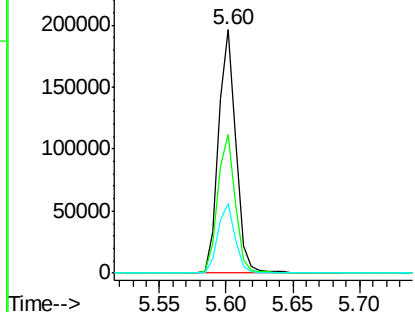


#5
 2-Fluorophenol
 Concen: 59.200 ng
 RT: 5.60 min Scan# 555
 Delta R.T. 0.00 min
 Lab File: BF106770.D
 Acq: 25 Jun 2018 14:36

Tgt Ion:112 Resp: 180541
 Ion Ratio Lower Upper
 112 100
 64 57.1 47.9 71.9
 63 28.3 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: 37.144 ng

RT: 6.60 min Scan# 725

Delta R.T. -0.01 min

Lab File: BF106770.D

Acq: 25 Jun 2018 14:36

Instrument :

BNA_F

ClientSampleId :

GROUND-WATER

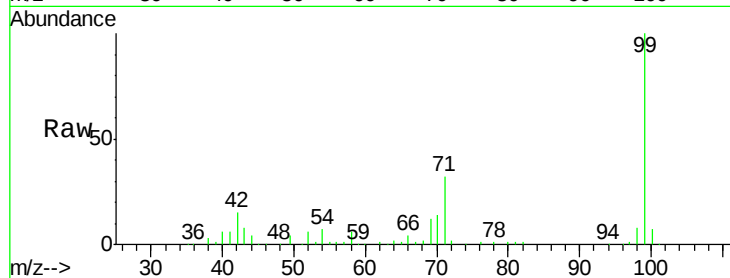
Tgt Ion: 99 Resp: 141462

Ion Ratio Lower Upper

99 100

42 15.2 14.5 21.7

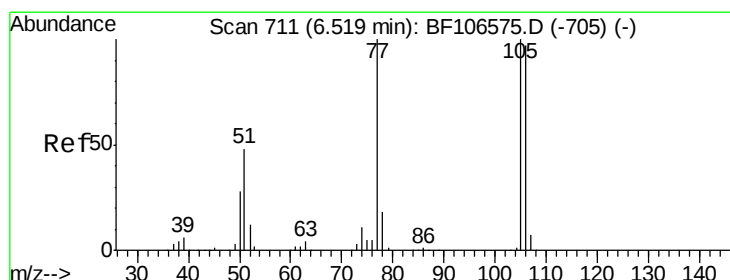
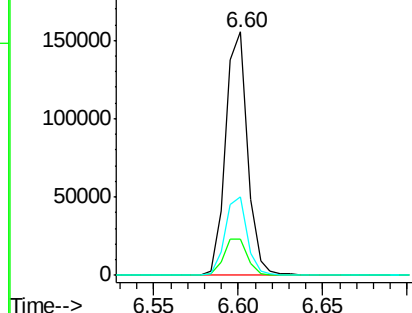
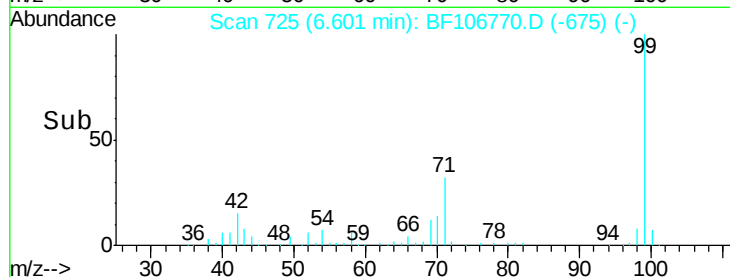
71 32.2 25.4 38.0



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



#9

Benzaldehyde

Concen: 2.115 ng

RT: 6.74 min Scan# 748

Delta R.T. 0.22 min

Lab File: BF106770.D

Acq: 25 Jun 2018 14:36

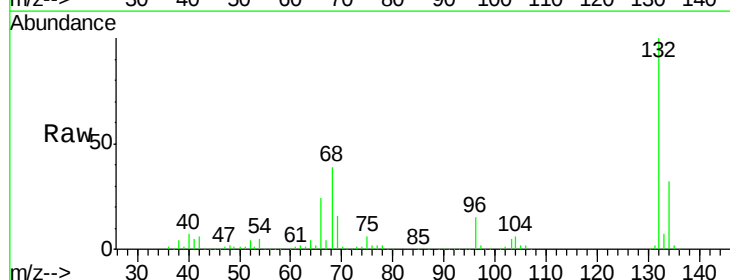
Tgt Ion: 77 Resp: 6757

Ion Ratio Lower Upper

77 100

105 92.1 81.1 121.1

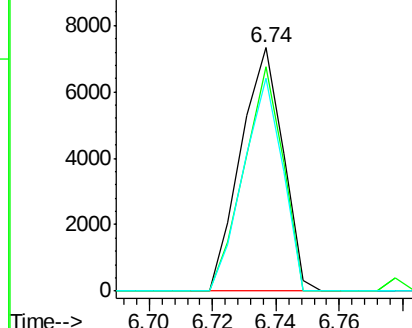
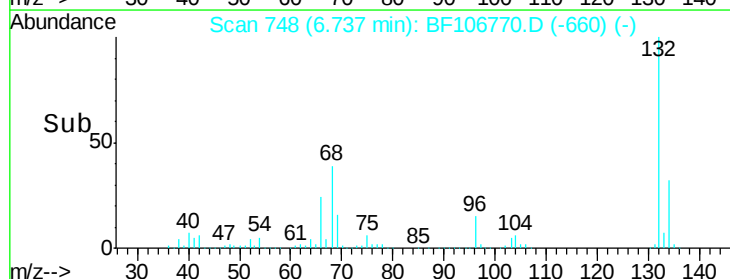
106 87.5 74.5 114.5



Abundance Ion 77.00 (76.70 to 77.70): BF1

Ion 105.00 (104.70 to 105.70): BF1

Ion 106.00 (105.70 to 106.70): BF1





#19

n-Nitroso-di-n-propylamine

Concen: 15.970 ng

RT: 7.52 min Scan# 882

Delta R.T. 0.15 min

Lab File: BF106770.D

Acq: 25 Jun 2018 14:36

Instrument :

BNA_F

ClientSampleId :

GROUND-WATER

Tgt Ion: 70 Resp: 40091

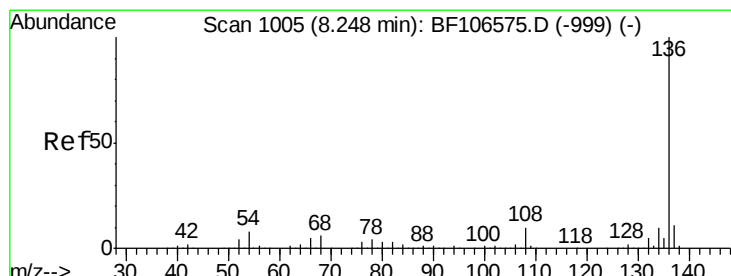
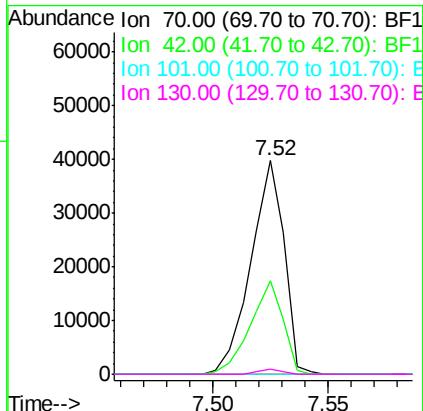
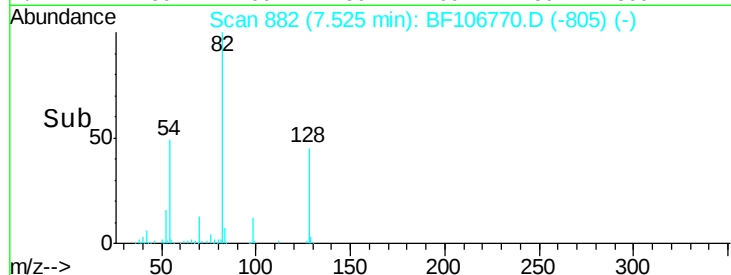
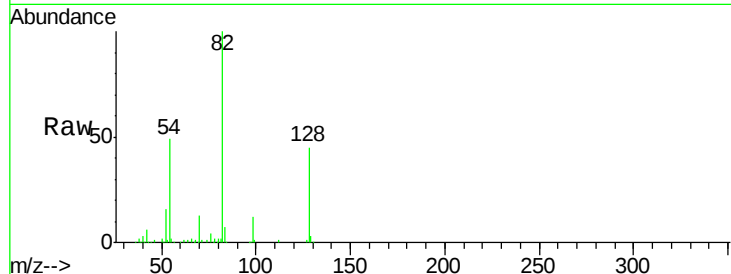
Ion Ratio Lower Upper

70 100

42 43.9 47.5 71.3#

101 0.0 7.4 11.2#

130 2.6 16.6 25.0#



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.24 min Scan# 1004

Delta R.T. -0.01 min

Lab File: BF106770.D

Acq: 25 Jun 2018 14:36

Tgt Ion: 136 Resp: 198462

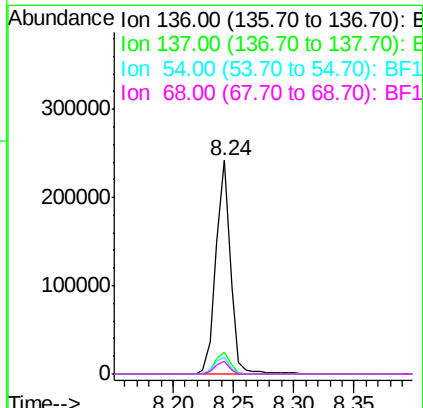
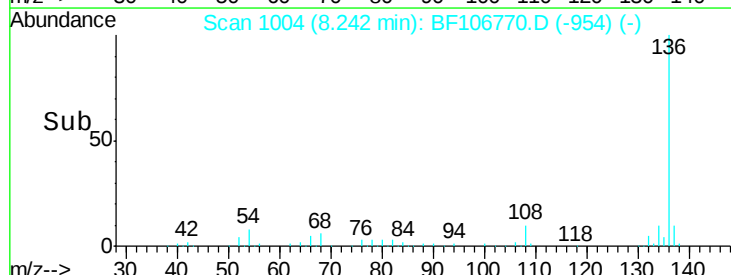
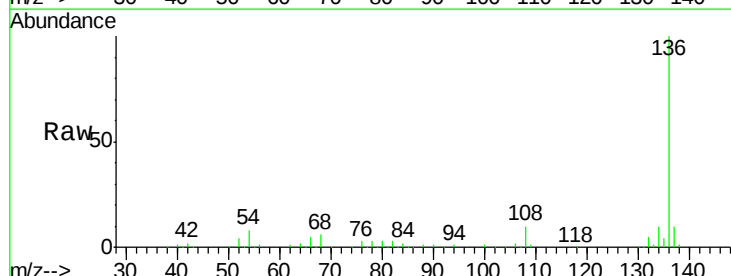
Ion Ratio Lower Upper

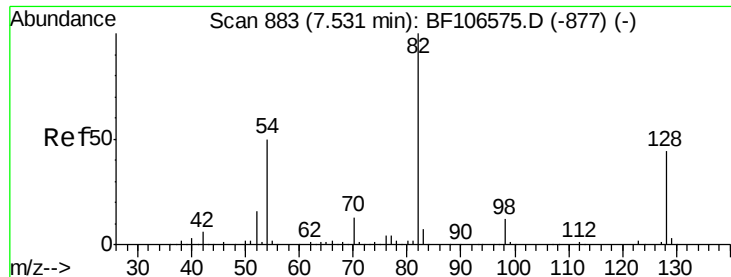
136 100

137 10.3 8.9 13.3

54 7.6 6.6 9.8

68 5.8 5.0 7.4





#23

Nitrobenzene-d5

Concen: 87.299 ng

RT: 7.52 min Scan# 882

Delta R.T. -0.01 min

Lab File: BF106770.D

Acq: 25 Jun 2018 14:36

Instrument :

BNA_F

ClientSampleId :

GROUND-WATER

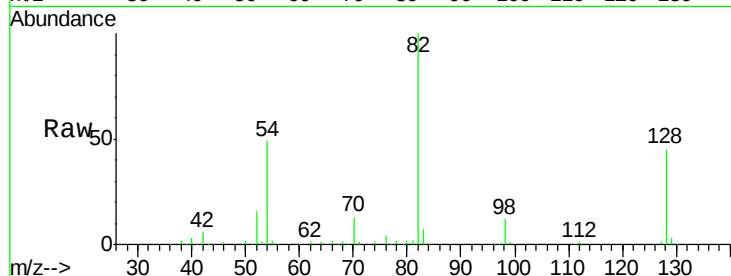
Tgt Ion: 82 Resp: 311760

Ion Ratio Lower Upper

82 100

128 45.1 36.1 54.1

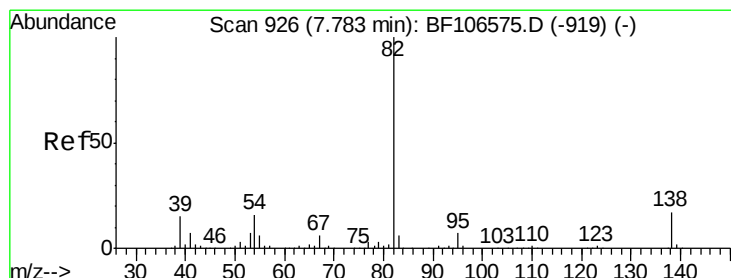
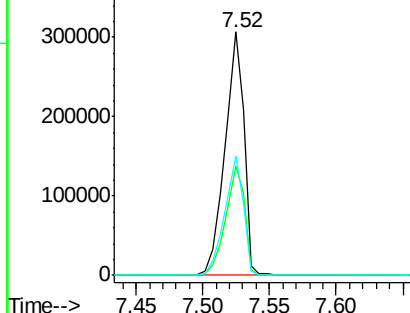
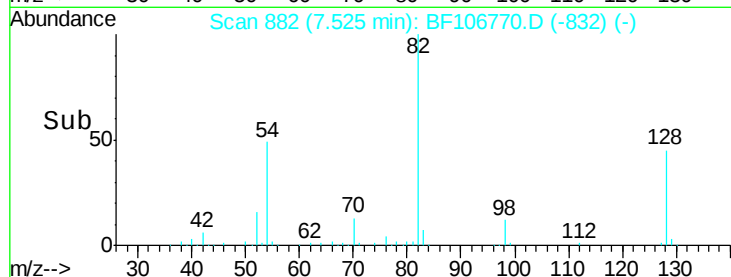
54 49.0 41.4 62.2



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: 49.541 ng

RT: 7.52 min Scan# 882

Delta R.T. -0.26 min

Lab File: BF106770.D

Acq: 25 Jun 2018 14:36

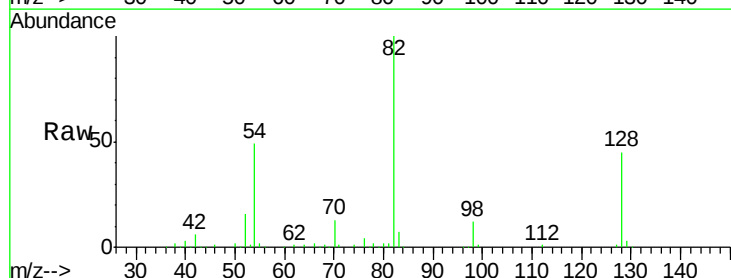
Tgt Ion: 82 Resp: 311758

Ion Ratio Lower Upper

82 100

95 0.0 5.2 7.8#

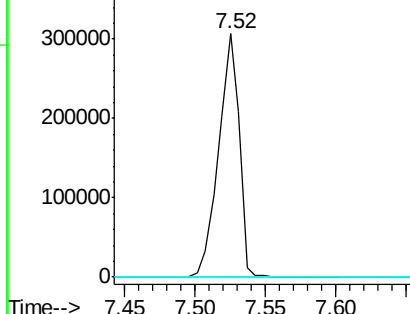
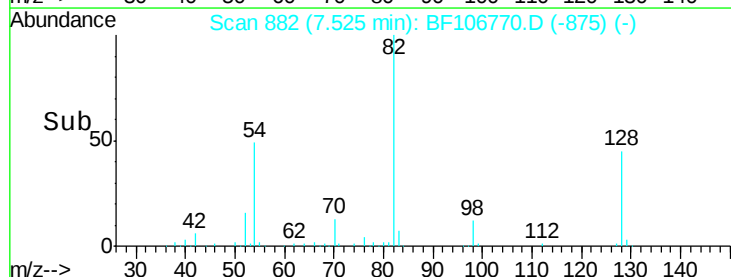
138 0.0 14.9 22.3#

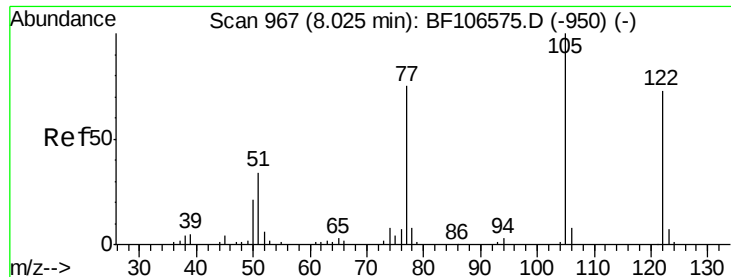


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 95.00 (94.70 to 95.70): BF1

Ion 138.00 (137.70 to 138.70): BF1

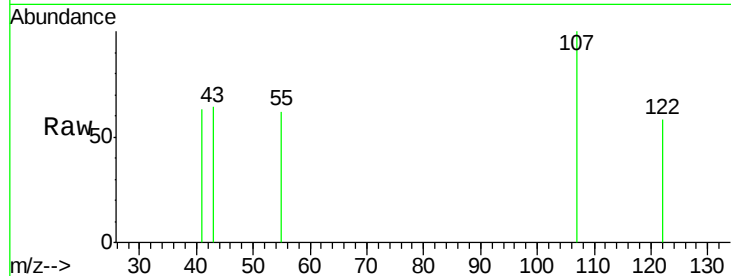




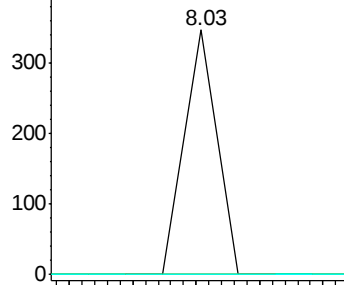
#32
Benzoic acid
Concen: 5.787 ng
RT: 8.03 min Scan# 968
Delta R.T. 0.01 min
Lab File: BF106770.D
Acq: 25 Jun 2018 14:36

Instrument :
BNA_F
ClientSampleId :
GROUND-WATER

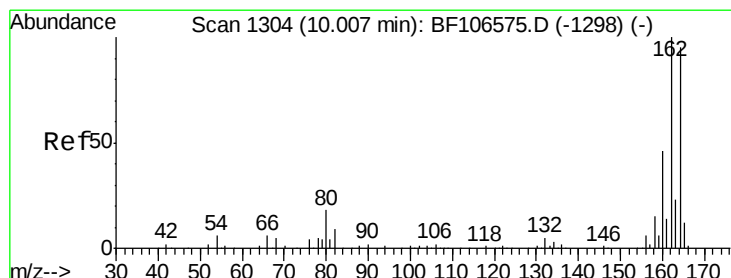
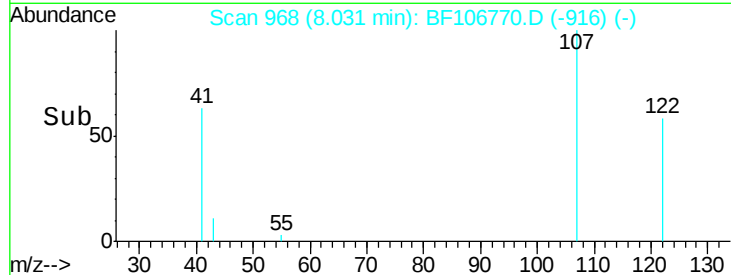
Tgt Ion	Ratio	Lower	Upper
122	100		
105	0.0	101.1	141.1#
77	0.0	70.7	110.7#



Abundance Ion 122.00 (121.70 to 122.70): E
Ion 105.00 (104.70 to 105.70): E
Ion 77.00 (76.70 to 77.70): BF1

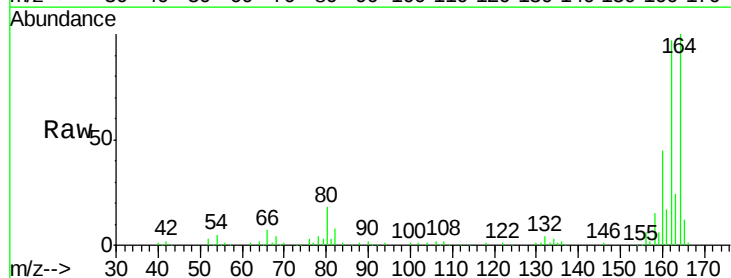


Time-->

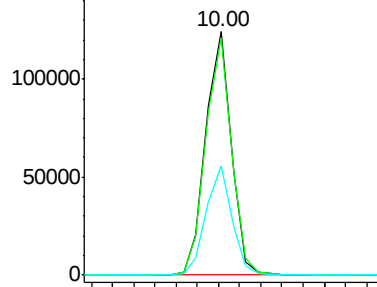


#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.00 min Scan# 1303
Delta R.T. -0.01 min
Lab File: BF106770.D
Acq: 25 Jun 2018 14:36

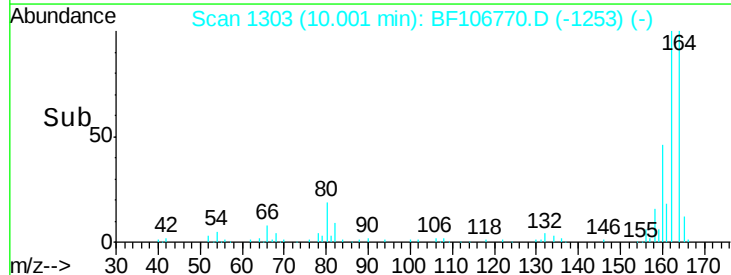
Tgt Ion	Ratio	Lower	Upper
164	100		
162	97.4	86.1	129.1
160	44.9	38.3	57.5



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



Time-->

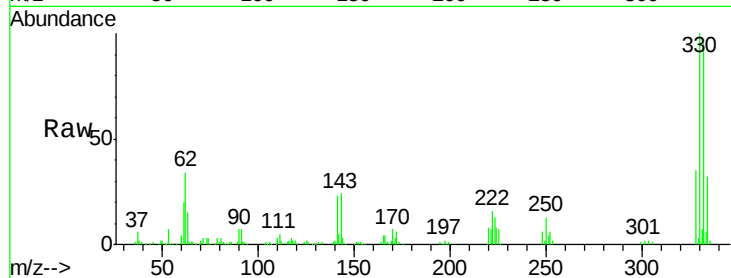




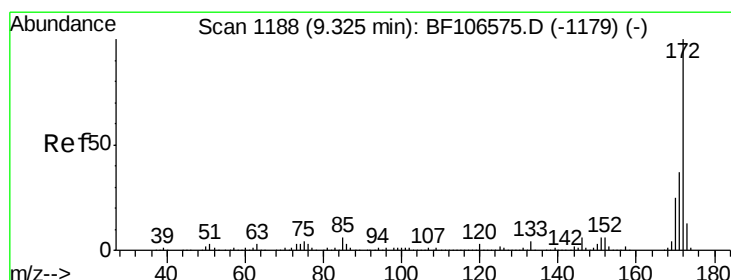
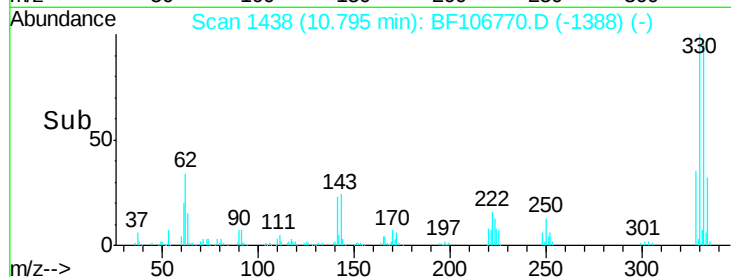
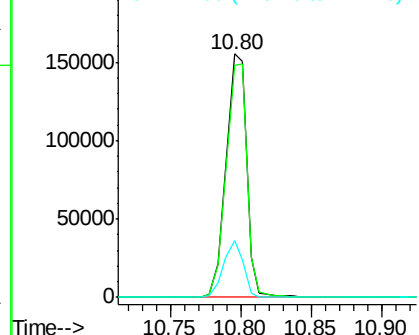
#41
 2,4,6-Tribromophenol
 Concen: 131.688 ng
 RT: 10.80 min Scan# 1438
 Delta R.T. -0.01 min
 Lab File: BF106770.D
 Acq: 25 Jun 2018 14:36

Instrument :
 BNA_F
 ClientSampleId :
 GROUND-WATER

Tgt Ion	Ratio	Lower	Upper
330	100		
332	96.8	77.0	115.6
141	22.4	29.9	44.9#

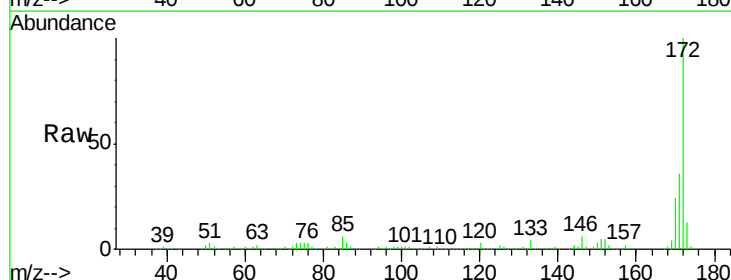


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

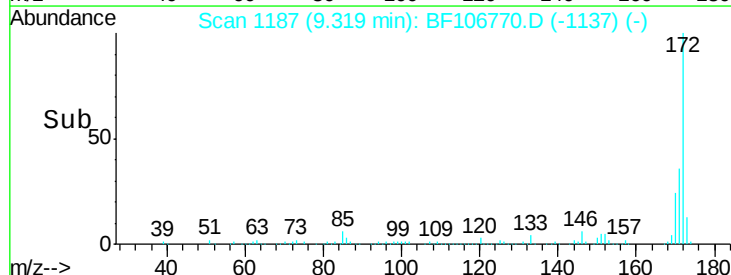
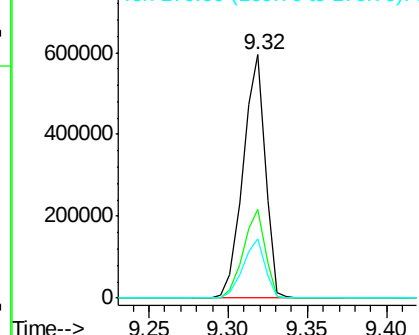


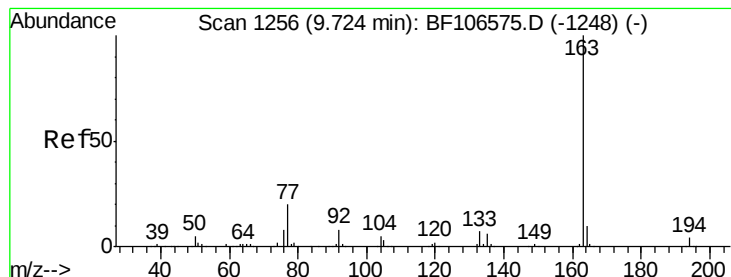
#44
 2-Fluorobiphenyl
 Concen: 96.029 ng
 RT: 9.32 min Scan# 1187
 Delta R.T. -0.01 min
 Lab File: BF106770.D
 Acq: 25 Jun 2018 14:36

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.2	29.7	44.5
170	24.1	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





#49

Dimethylphthalate

Concen: 3.002 ng

RT: 9.71 min Scan# 1253

Delta R.T. -0.02 min

Lab File: BF106770.D

Acq: 25 Jun 2018 14:36

Instrument :

BNA_F

ClientSampleId :

GROUND-WATER

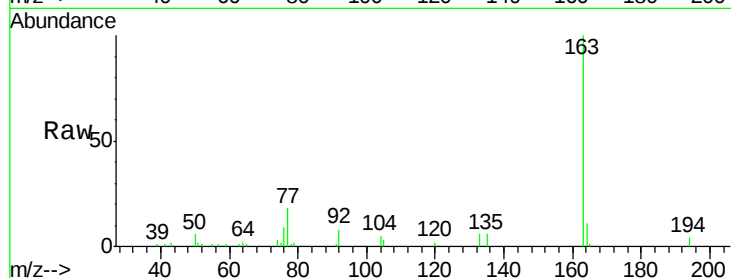
Tgt Ion:163 Resp: 23328

Ion Ratio Lower Upper

163 100

194 3.7 2.7 4.1

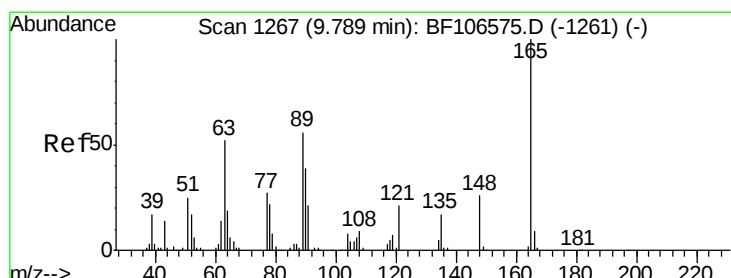
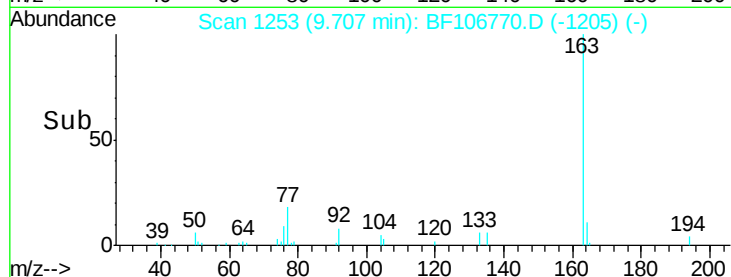
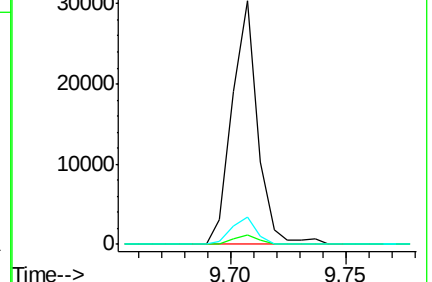
164 11.4 8.2 12.2



Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#50

2,6-Dinitrotoluene

Concen: 3.076 ng

RT: 9.74 min Scan# 1258

Delta R.T. -0.05 min

Lab File: BF106770.D

Acq: 25 Jun 2018 14:36

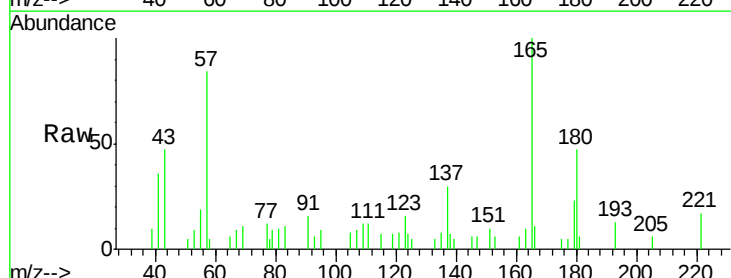
Tgt Ion:165 Resp: 5061

Ion Ratio Lower Upper

165 100

63 0.0 44.7 67.1#

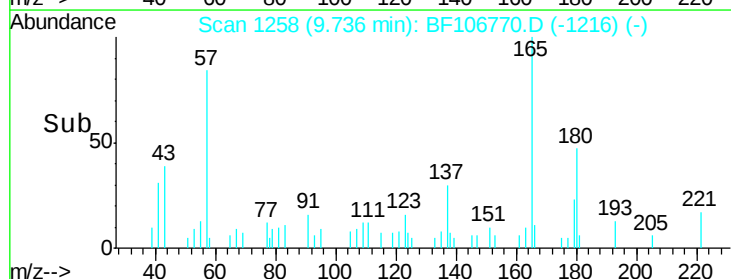
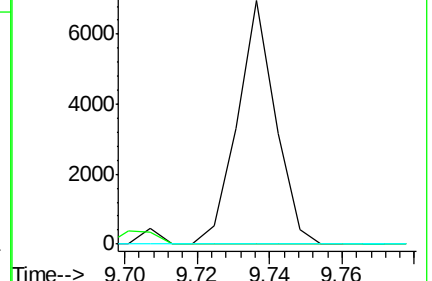
89 0.0 44.0 66.0#

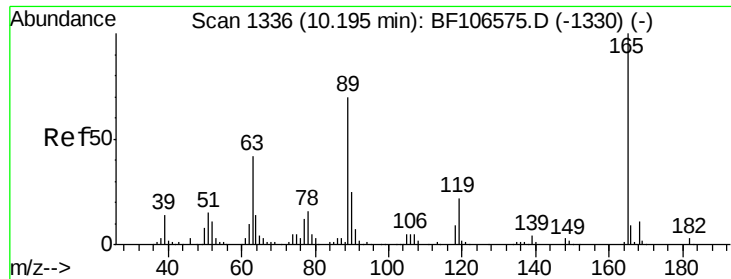


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1

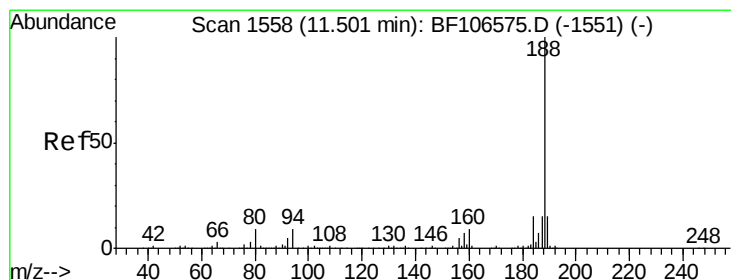
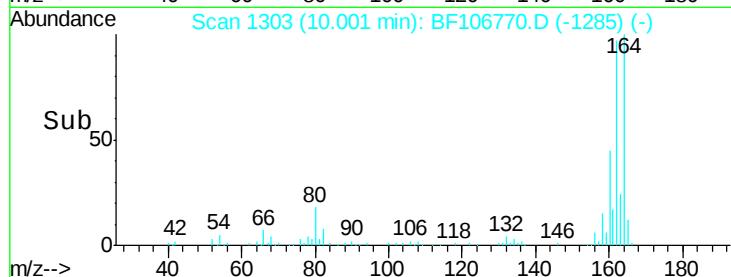
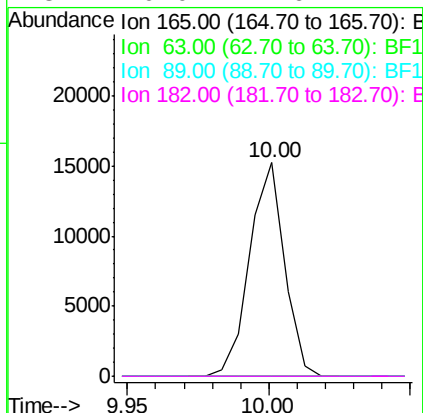
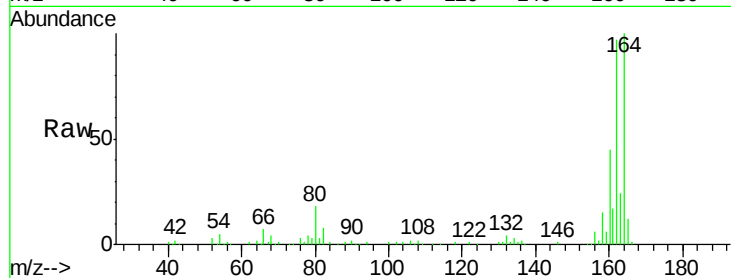




#56
2,4-Dinitrotoluene
Concen: 6.077 ng
RT: 10.00 min Scan# 1303
Delta R.T. -0.19 min
Lab File: BF106770.D
Acq: 25 Jun 2018 14:36

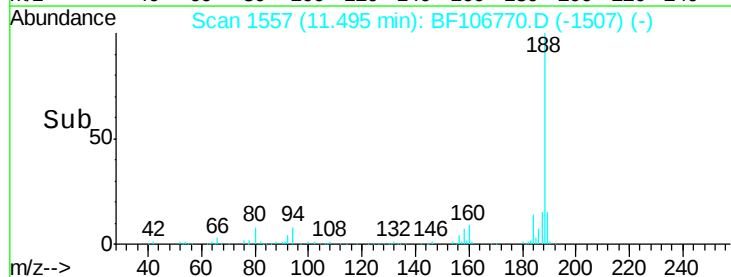
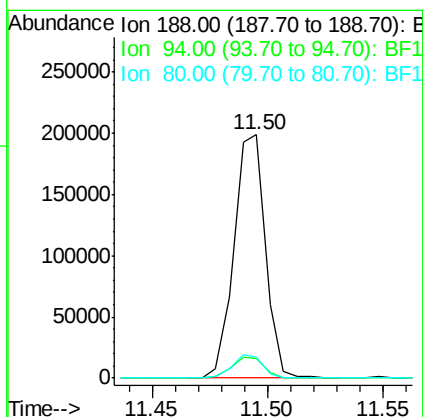
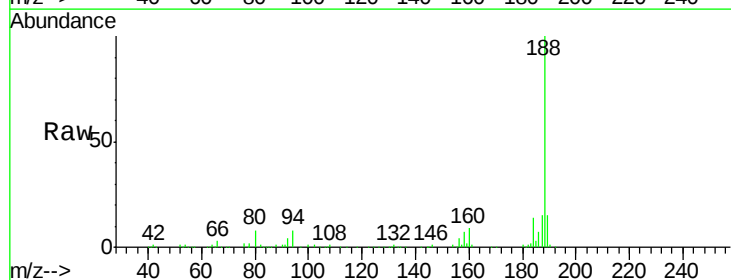
Instrument :
BNA_F
ClientSampleId :
GROUND-WATER

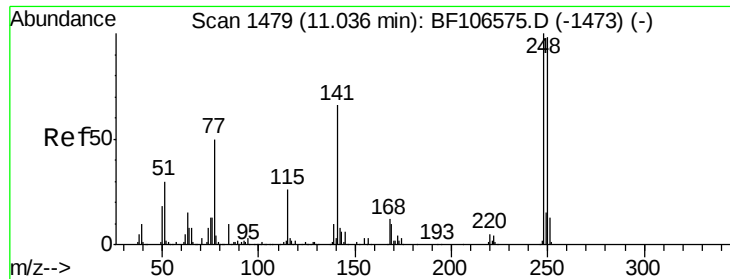
Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.0	36.4	54.6#
89	0.0	57.8	86.6#
182	0.0	1.6	2.4#



#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.50 min Scan# 1557
Delta R.T. -0.01 min
Lab File: BF106770.D
Acq: 25 Jun 2018 14:36

Tgt Ion	Ratio	Lower	Upper
188	100		
94	8.0	8.5	12.7#
80	8.4	9.2	13.8#

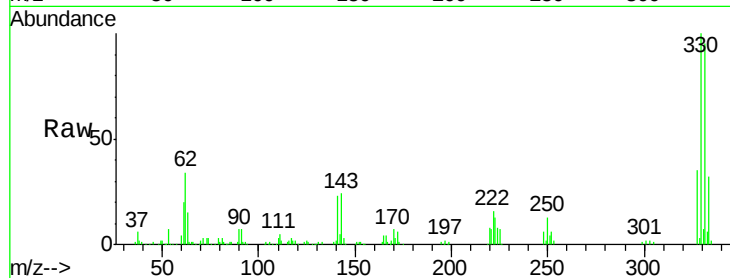




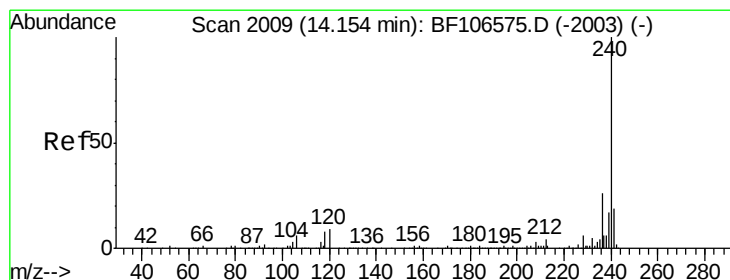
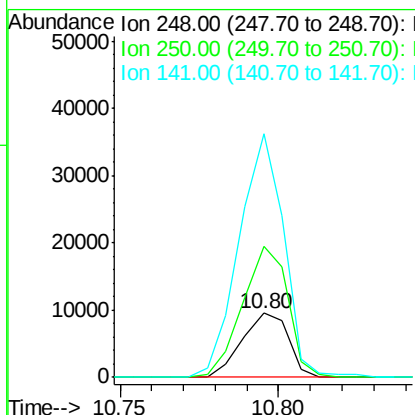
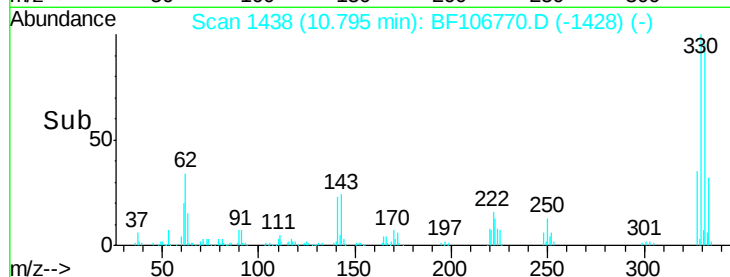
#66
4-Bromophenyl-phenylether
Concen: 4.283 ng
RT: 10.80 min Scan# 1438
Delta R.T. -0.24 min
Lab File: BF106770.D
Acq: 25 Jun 2018 14:36

Instrument :
BNA_F
ClientSampleId :
GROUND-WATER

Tgt Ion:248 Resp: 9664
Ion Ratio Lower Upper
248 100
250 204.0 76.9 115.3#
141 379.0 74.4 111.6#

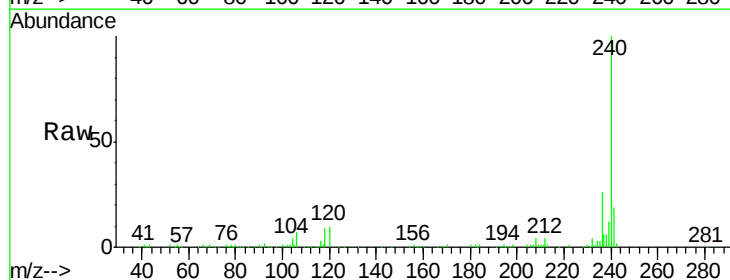


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

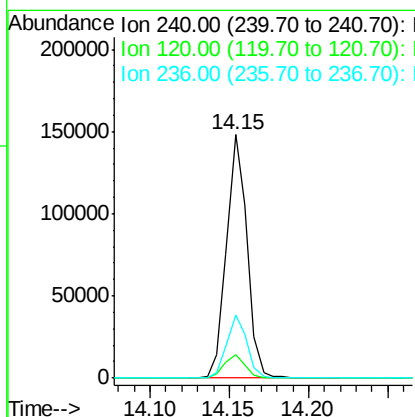
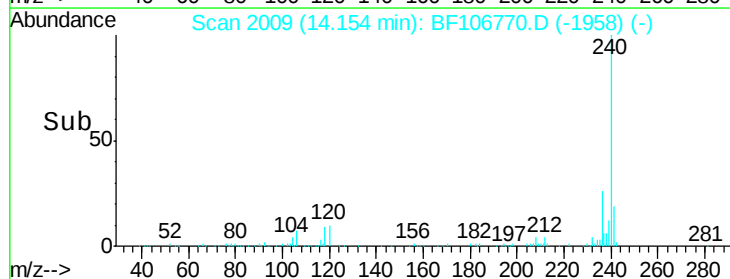


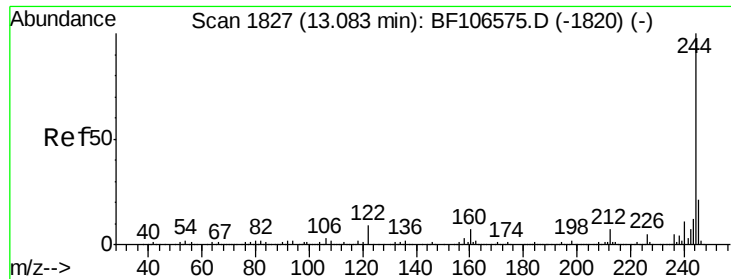
#75
Chrysene-d12
Concen: 20.000 ng
RT: 14.15 min Scan# 2009
Delta R.T. 0.00 min
Lab File: BF106770.D
Acq: 25 Jun 2018 14:36

Tgt Ion:240 Resp: 132956
Ion Ratio Lower Upper
240 100
120 9.7 9.5 14.3
236 26.2 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

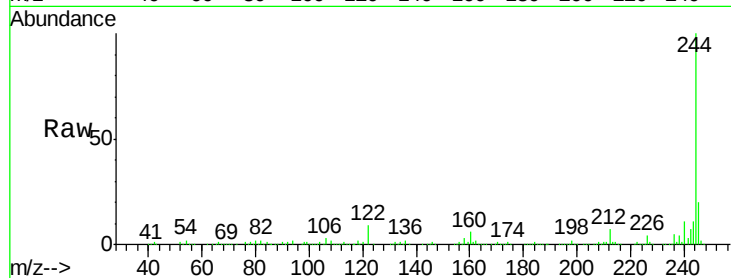




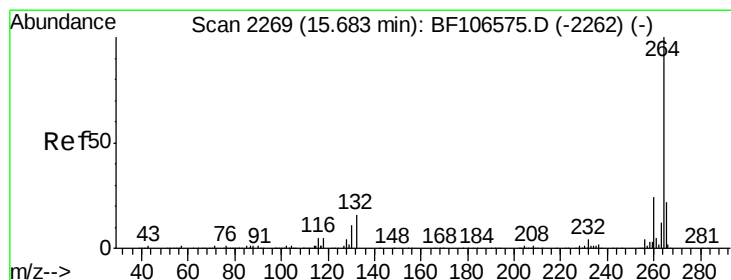
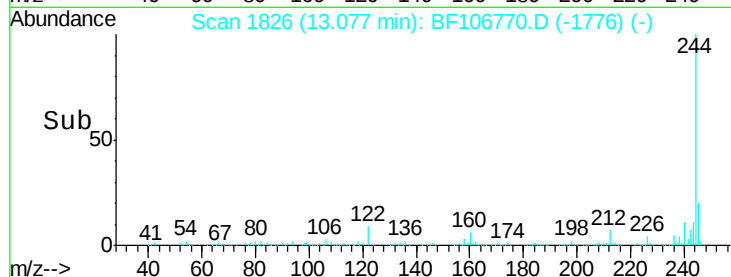
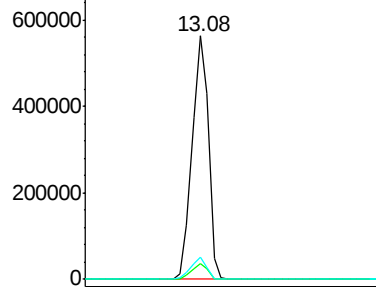
#78
 Terphenyl-d14
 Concen: 100.558 ng
 RT: 13.08 min Scan# 1826
 Delta R.T. -0.01 min
 Lab File: BF106770.D
 Acq: 25 Jun 2018 14:36

Instrument :
 BNA_F
 ClientSampleId :
 GROUND-WATER

Tgt Ion:244 Resp: 551947
 Ion Ratio Lower Upper
 244 100
 212 6.5 5.4 8.0
 122 8.8 11.0 16.4#

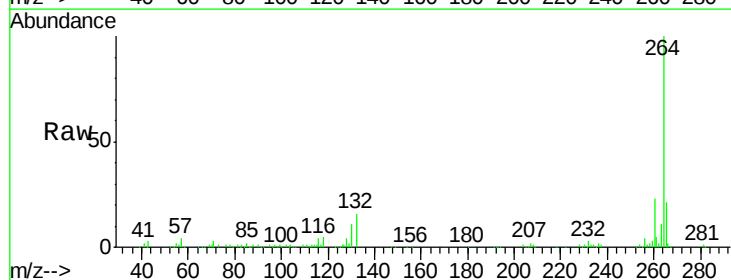


Abundance Ion 244.00 (243.70 to 244.70): E
 Ion 212.00 (211.70 to 212.70): E
 Ion 122.00 (121.70 to 122.70): E



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.71 min Scan# 2274
 Delta R.T. 0.02 min
 Lab File: BF106770.D
 Acq: 25 Jun 2018 14:36

Tgt Ion:264 Resp: 147262
 Ion Ratio Lower Upper
 264 100
 260 23.4 19.2 28.8
 265 21.1 17.5 26.3



Abundance Ion 264.00 (263.70 to 264.70): E
 Ion 260.00 (259.70 to 260.70): E
 Ion 265.00 (264.70 to 265.70): E

