

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF111716\
 Data File : BF091218.D
 Acq On : 17 Nov 2016 17:58
 Operator : UM/SJ
 Sample : H5673-01
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 GROUNDWATER

Quant Time: Nov 18 03:06:34 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF110316.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Nov 08 12:59:29 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.61	152	190657	20.00	ng	-0.05
21) Naphthalene-d8	7.90	136	821979	20.00	ng	-0.05
38) Acenaphthene-d10	9.65	164	427117	20.00	ng	-0.05
63) Phenanthrene-d10	11.14	188	736995	20.00	ng	-0.03
75) Chrysene-d12	13.77	240	512240	20.00	ng	-0.05
86) Perylene-d12	15.14	264	351777	20.00	ng	-0.05

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.21	112	709856	61.49	ng	-0.03
7) Phenol-d6	6.27	99	591603	37.76	ng	-0.05
23) Nitrobenzene-d5	7.20	82	1422195	94.38	ng	-0.05
41) 2,4,6-Tribromophenol	10.45	330	558353	144.60	ng	-0.03
44) 2-Fluorobiphenyl	8.99	172	2074625	83.62	ng	-0.05
78) Terphenyl-d14	12.73	244	1881813	91.67	ng	-0.03

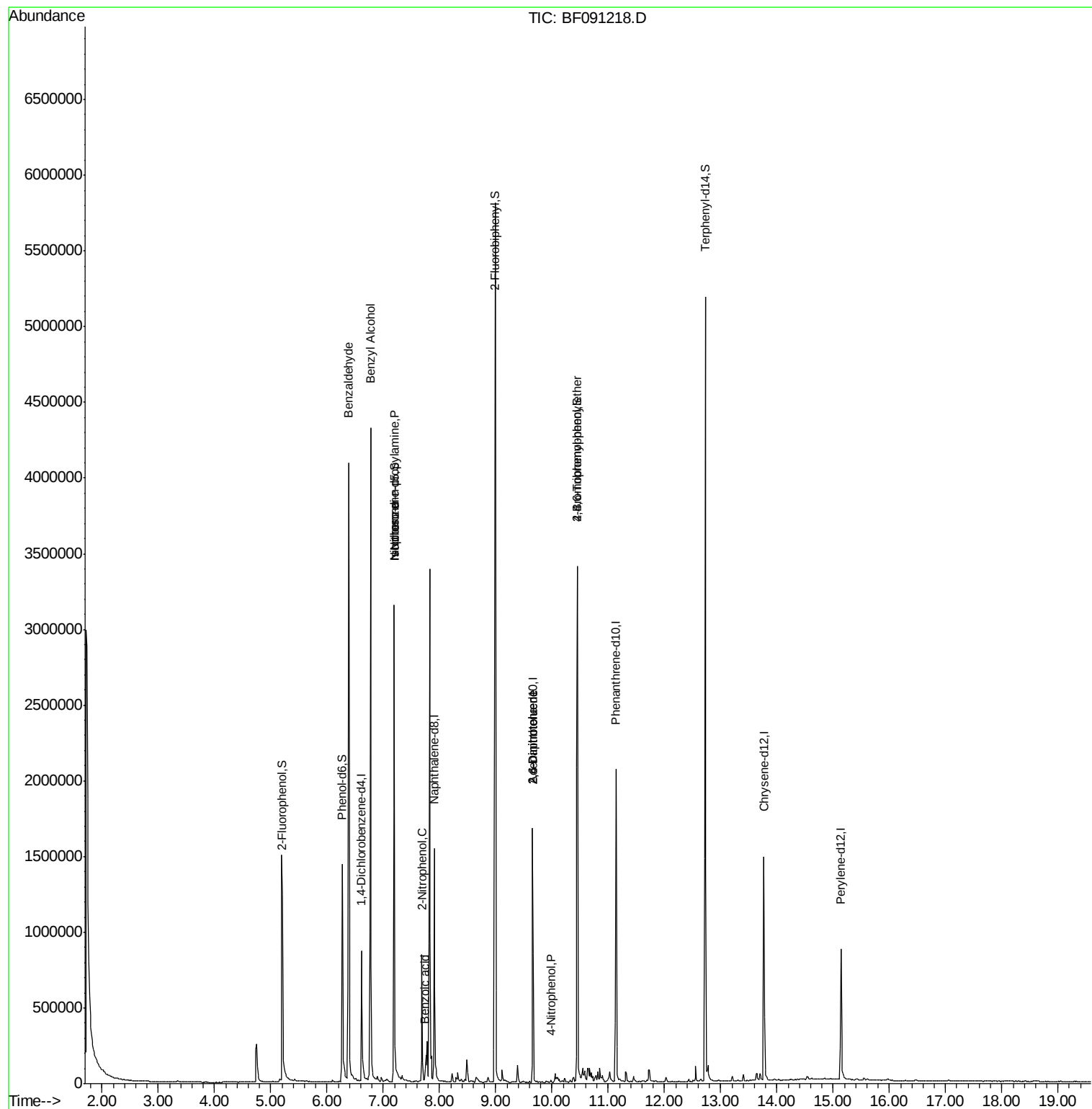
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.38	77	27935	3.21	ng	88
15) Benzyl Alcohol	6.77	79	23978	2.17	ng	# 72
19) n-Nitroso-di-n-propylamine	7.20	70	197303	18.17	ng	# 75
25) Isophorone	7.20	82	1390358	47.89	ng	# 67
26) 2-Nitrophenol	7.69	139	37612	5.34	ng	# 31
32) Benzoic acid	7.74	122	698	5.14	ng	# 60
50) 2,6-Dinitrotoluene	9.65	165	55186	9.19	ng	# 12
55) 4-Nitrophenol	9.98	139	1024	5.93	ng	# 39
56) 2,4-Dinitrotoluene	9.65	165	55188	7.23	ng	# 26
66) 4-Bromophenyl-phenylether	10.45	248	38830	5.07	ng	# 1

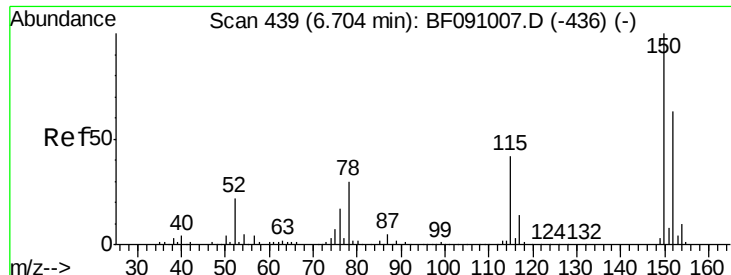
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF111716\
Data File : BF091218.D
Acq On : 17 Nov 2016 17:58
Operator : UM/SJ
Sample : H5673-01
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
GROUNDWATER

Quant Time: Nov 18 03:06:34 2016
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF110316.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Nov 08 12:59:29 2016
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.61 min Scan# 431

Delta R.T. -0.05 min

Lab File: BF091218.D

Acq: 17 Nov 2016 17:58

Instrument :

BNA_F

ClientSampleId :

GROUNDWATER

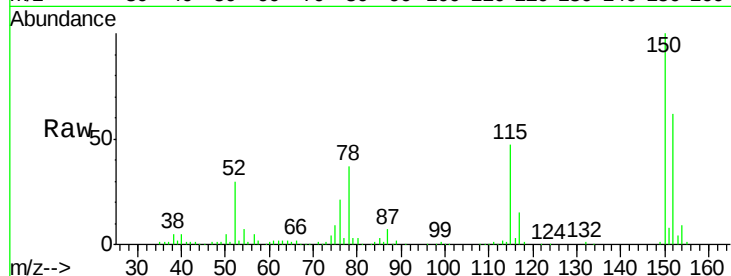
Tgt Ion:152 Resp: 190657

Ion Ratio Lower Upper

152 100

150 161.0 126.8 190.2

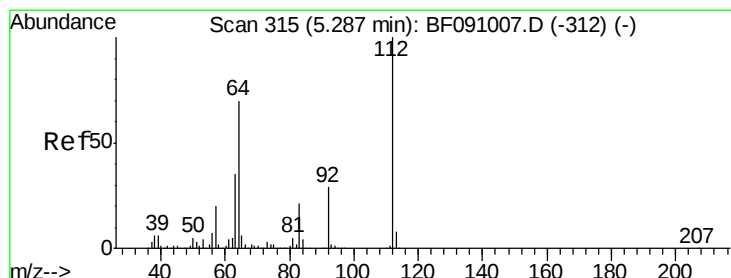
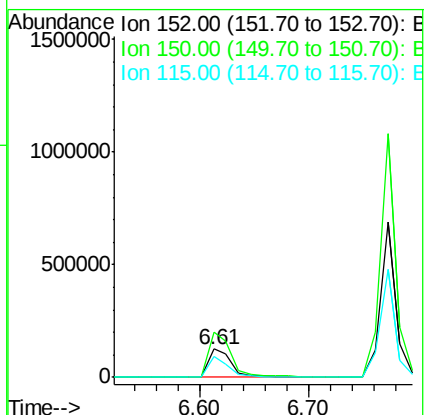
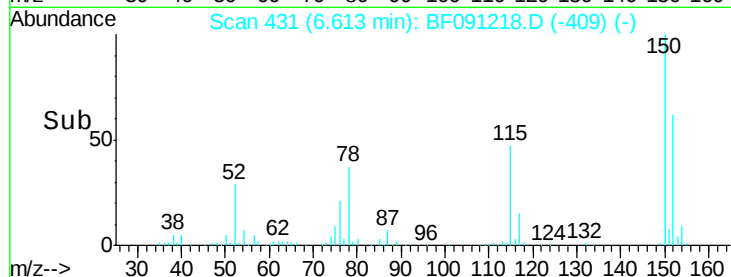
115 75.9 53.3 79.9



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: 61.49 ng

RT: 5.21 min Scan# 308

Delta R.T. -0.03 min

Lab File: BF091218.D

Acq: 17 Nov 2016 17:58

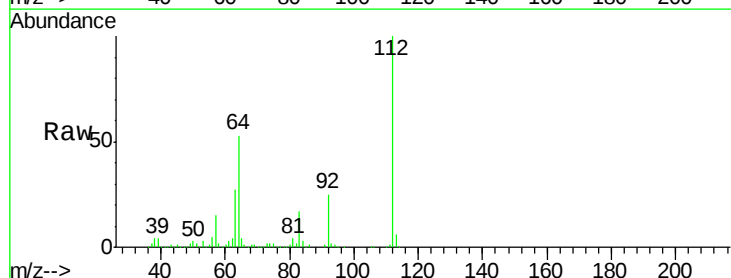
Tgt Ion:112 Resp: 709856

Ion Ratio Lower Upper

112 100

64 52.9 55.8 83.6#

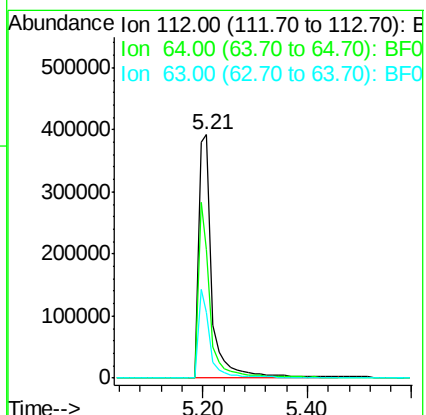
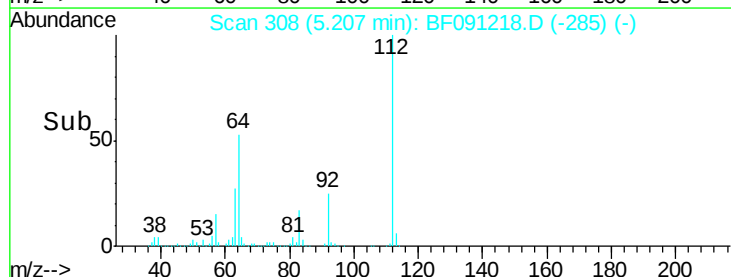
63 26.8 28.0 42.0#

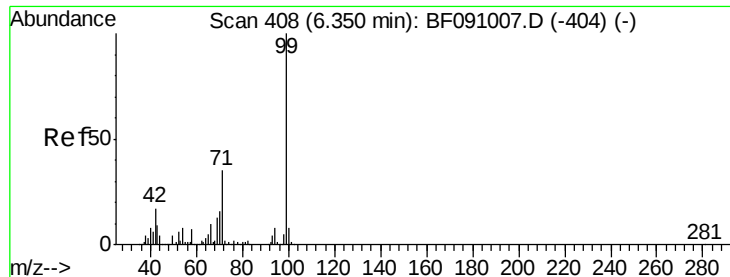


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 37.76 ng

RT: 6.27 min Scan# 401

Delta R.T. -0.05 min

Lab File: BF091218.D

Acq: 17 Nov 2016 17:58

Instrument :

BNA_F

ClientSampleId :

GROUNDWATER

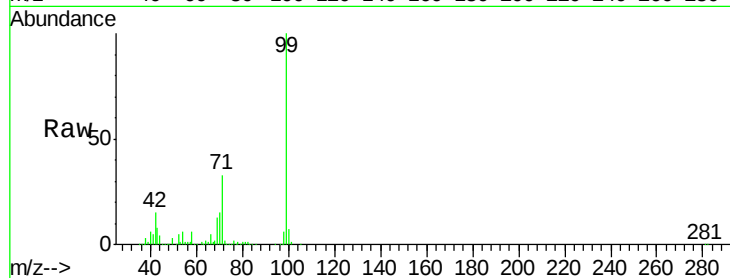
Tgt Ion: 99 Resp: 591603

Ion Ratio Lower Upper

99 100

42 15.5 13.9 20.9

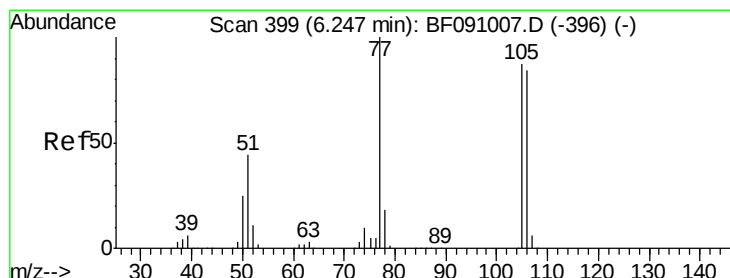
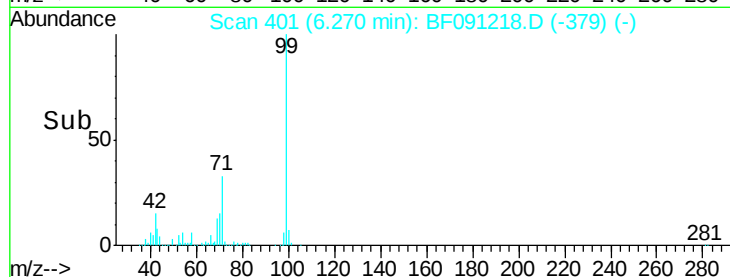
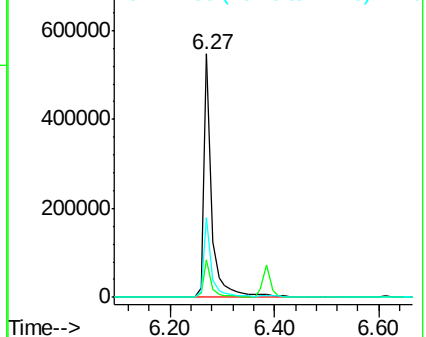
71 32.7 27.8 41.8



Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0



#9

Benzaldehyde

Concen: 3.21 ng

RT: 6.38 min Scan# 411

Delta R.T. 0.18 min

Lab File: BF091218.D

Acq: 17 Nov 2016 17:58

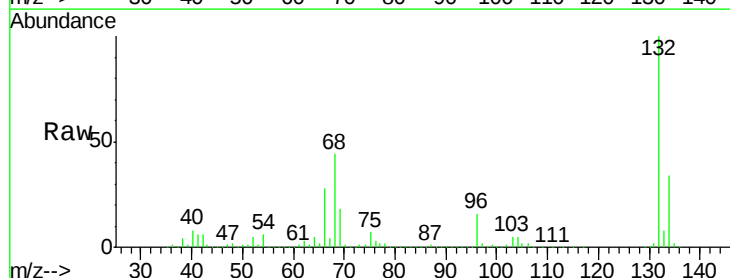
Tgt Ion: 77 Resp: 27935

Ion Ratio Lower Upper

77 100

105 78.4 66.8 106.8

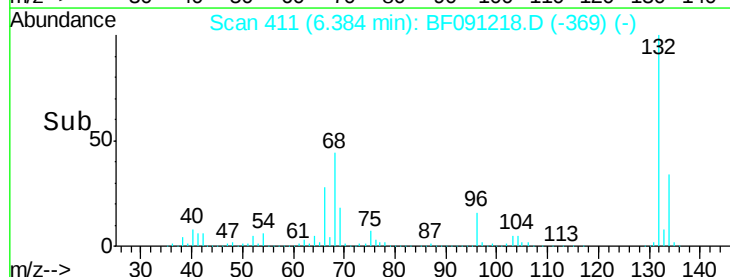
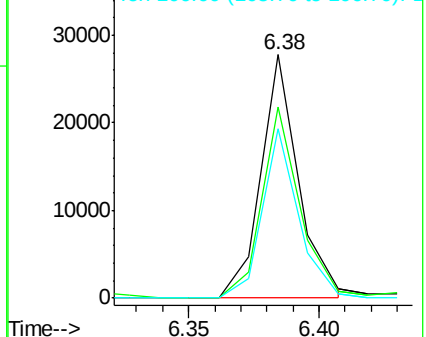
106 69.6 64.0 104.0

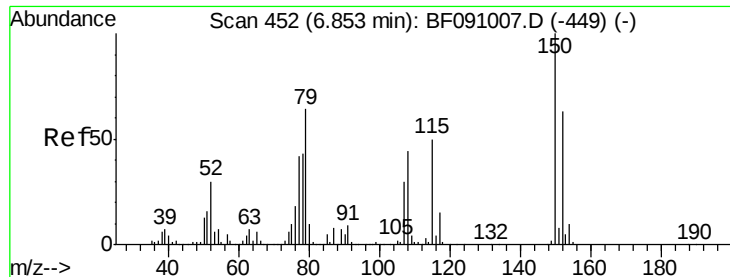


Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 105.00 (104.70 to 105.70): E

Ion 106.00 (105.70 to 106.70): E





#15

Benzyl Alcohol

Concen: 2.17 ng

RT: 6.77 min Scan# 445

Delta R.T. -0.05 min

Lab File: BF091218.D

Acq: 17 Nov 2016 17:58

Instrument :

BNA_F

ClientSampleId :

GROUNDWATER

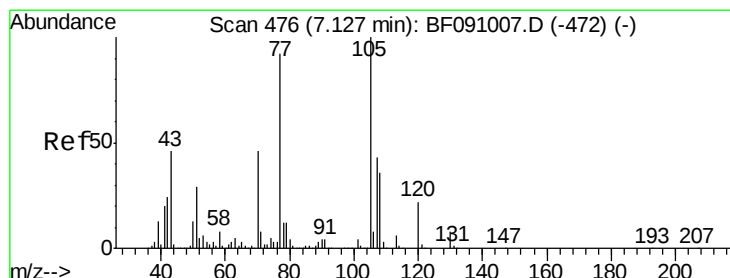
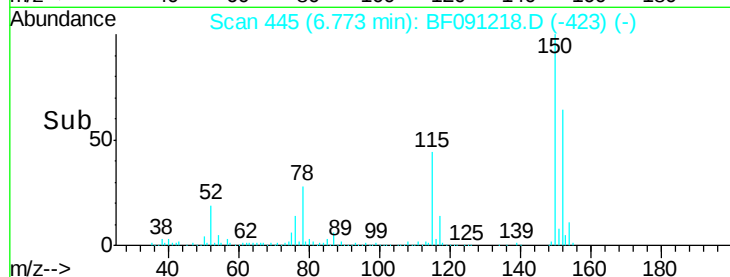
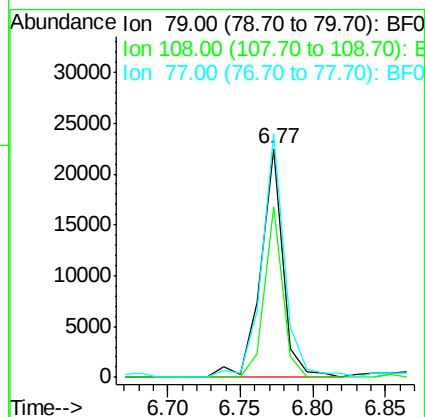
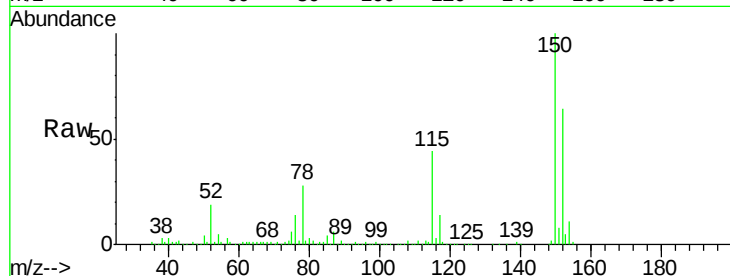
Tgt Ion: 79 Resp: 23978

Ion Ratio Lower Upper

79 100

108 74.6 55.7 83.5

77 106.4 52.6 79.0#



#19

n-Nitroso-di-n-propylamine

Concen: 18.17 ng

RT: 7.20 min Scan# 482

Delta R.T. 0.10 min

Lab File: BF091218.D

Acq: 17 Nov 2016 17:58

Tgt Ion: 70 Resp: 197303

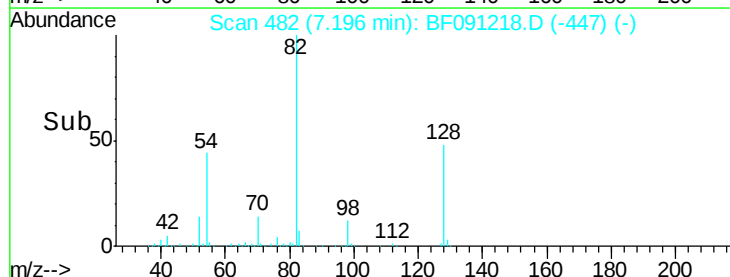
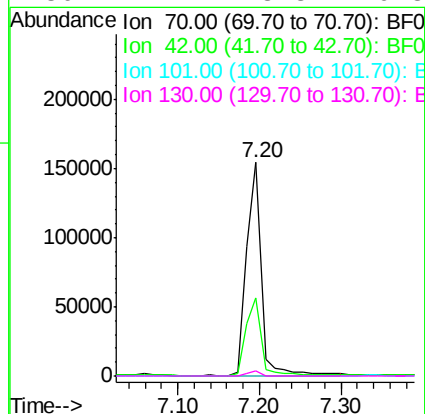
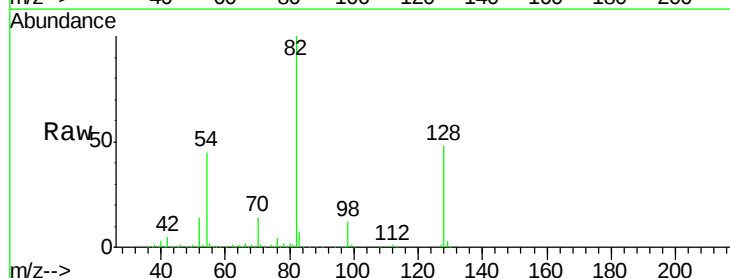
Ion Ratio Lower Upper

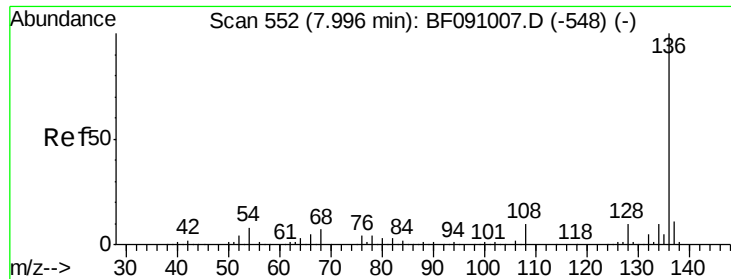
70 100

42 36.8 41.7 62.5#

101 0.0 6.7 10.1#

130 2.4 13.8 20.8#

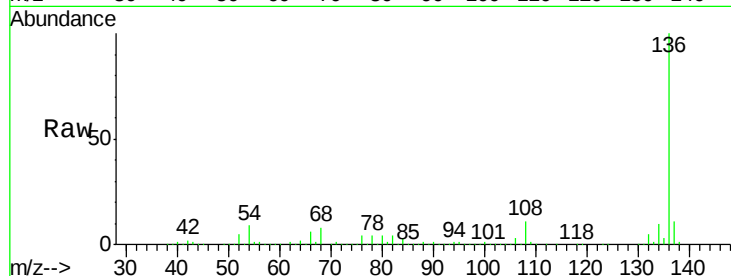




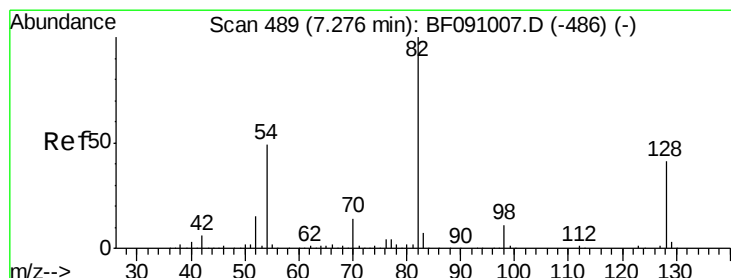
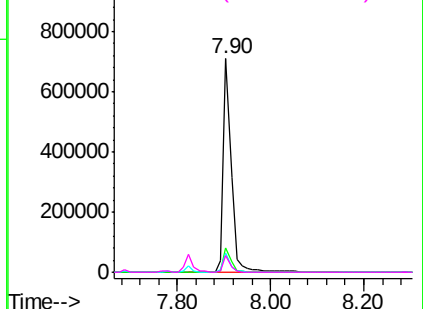
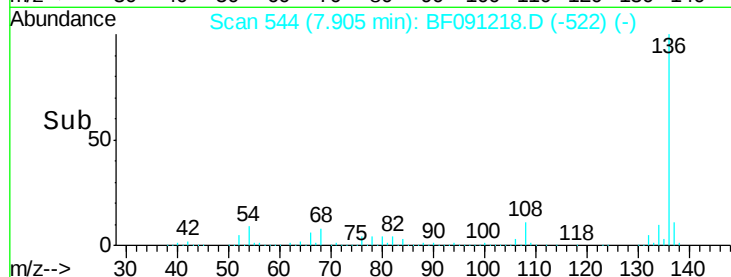
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.90 min Scan# 544
Delta R.T. -0.05 min
Lab File: BF091218.D
Acq: 17 Nov 2016 17:58

Instrument :
BNA_F
ClientSampleId :
GROUNDWATER

Tgt Ion:	136	Resp:	821979
Ion	Ratio	Lower	Upper
136	100		
137	11.5	8.9	13.3
54	9.2	6.2	9.2
68	8.1	5.5	8.3

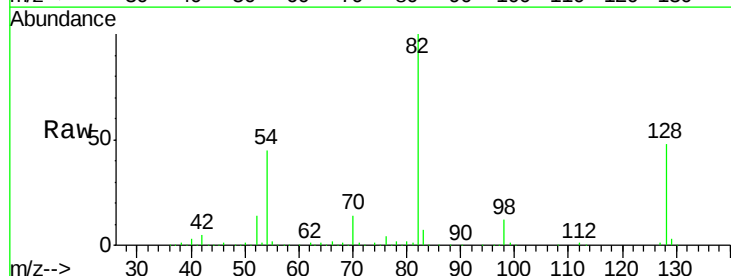


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0

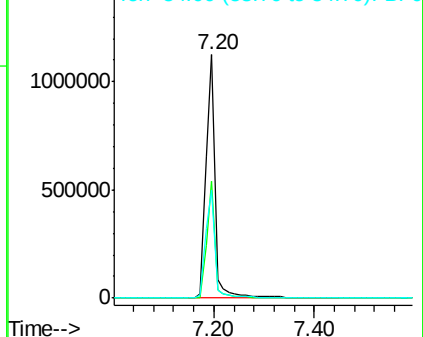
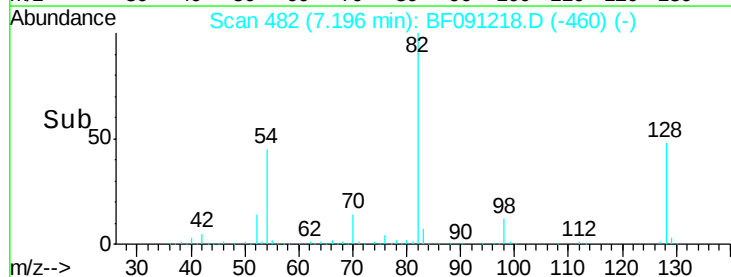


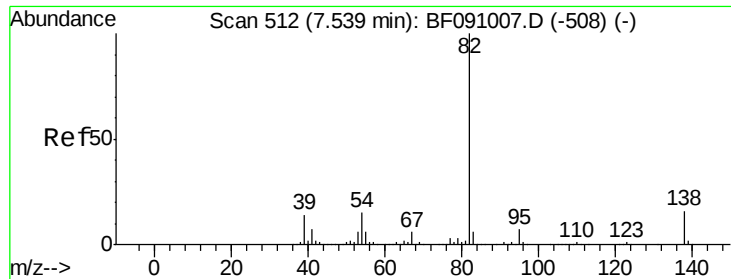
#23
Nitrobenzene-d5
Concen: 94.38 ng
RT: 7.20 min Scan# 482
Delta R.T. -0.05 min
Lab File: BF091218.D
Acq: 17 Nov 2016 17:58

Tgt Ion:	82	Resp:	1422195
Ion	Ratio	Lower	Upper
82	100		
128	47.9	32.4	48.6
54	44.5	39.2	58.8



Abundance Ion 82.00 (81.70 to 82.70): BF0
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BF0





#25

Isophorone

Concen: 47.89 ng

RT: 7.20 min Scan# 482

Delta R.T. -0.30 min

Lab File: BF091218.D

Acq: 17 Nov 2016 17:58

Instrument :

BNA_F

ClientSampleId :

GROUNDWATER

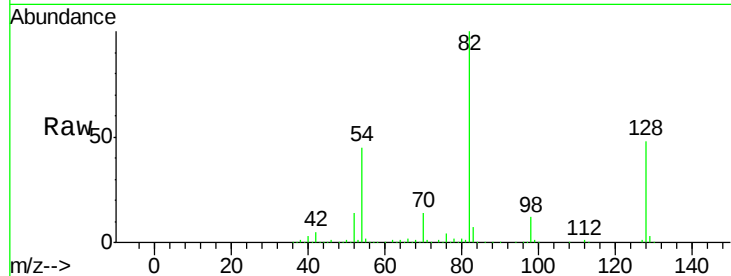
Tgt Ion: 82 Resp: 1390358

Ion Ratio Lower Upper

82 100

95 0.0 5.4 8.0#

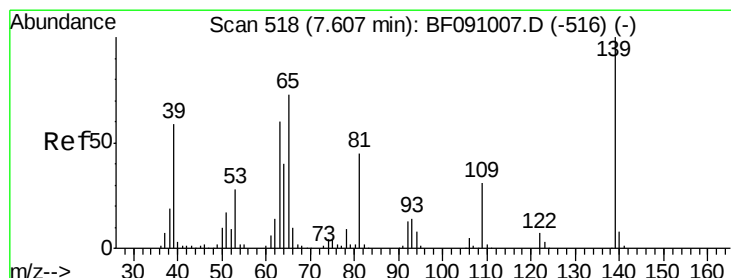
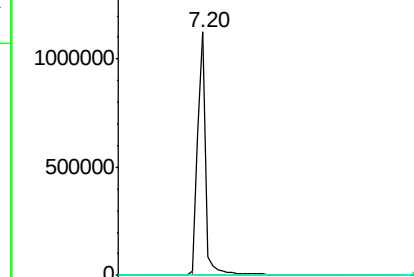
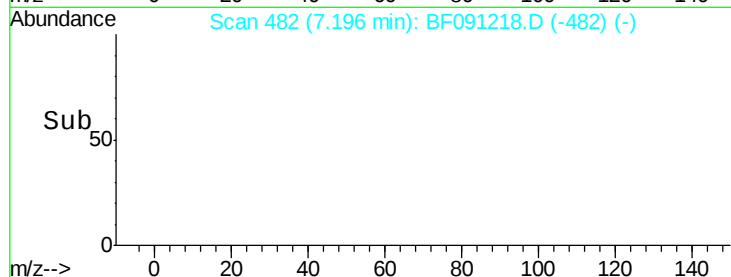
138 0.0 13.0 19.4#



Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 95.00 (94.70 to 95.70): BF0

Ion 138.00 (137.70 to 138.70): BF0



#26

2-Nitrophenol

Concen: 5.34 ng

RT: 7.69 min Scan# 525

Delta R.T. 0.11 min

Lab File: BF091218.D

Acq: 17 Nov 2016 17:58

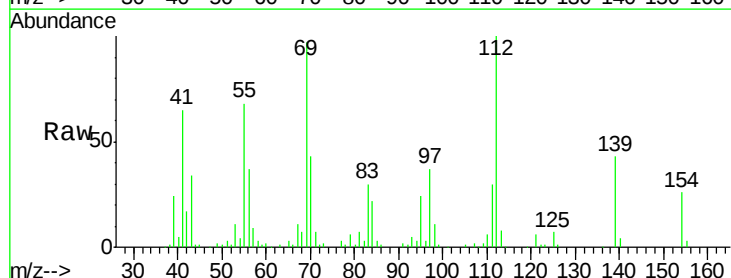
Tgt Ion: 139 Resp: 37612

Ion Ratio Lower Upper

139 100

109 5.8 24.7 37.1#

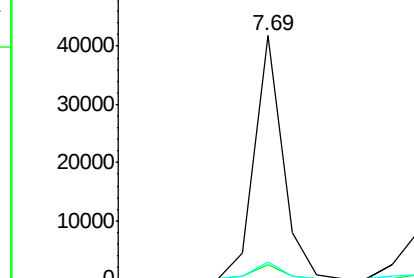
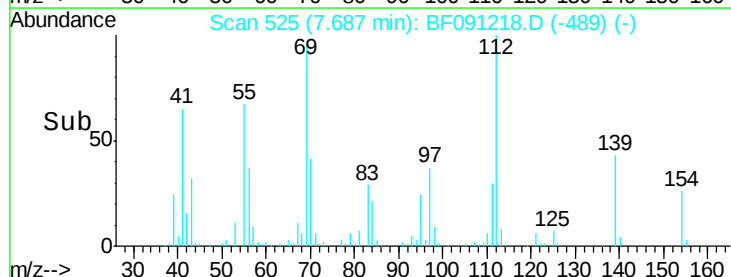
65 6.9 58.3 87.5#

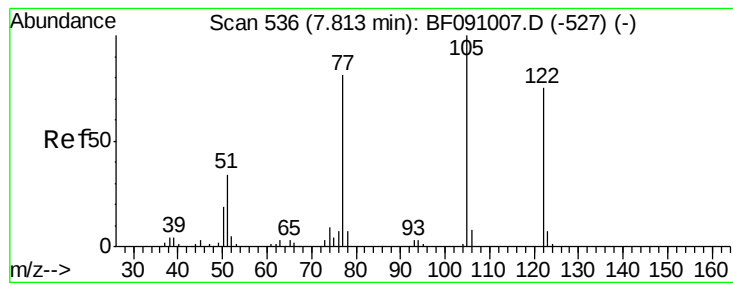


Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BF0





#32

Benzoic acid

Concen: 5.14 ng

RT: 7.74 min Scan# 530

Delta R.T. -0.03 min

Lab File: BF091218.D

Acq: 17 Nov 2016 17:58

Instrument :

BNA_F

ClientSampleId :

GROUNDWATER

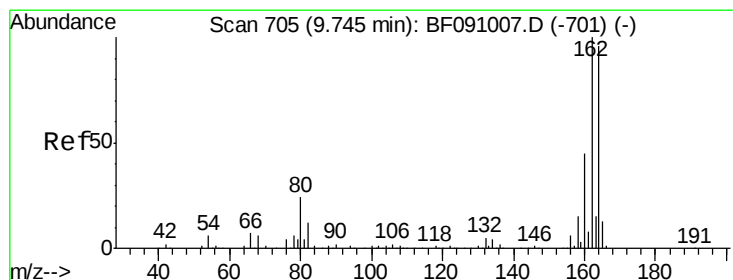
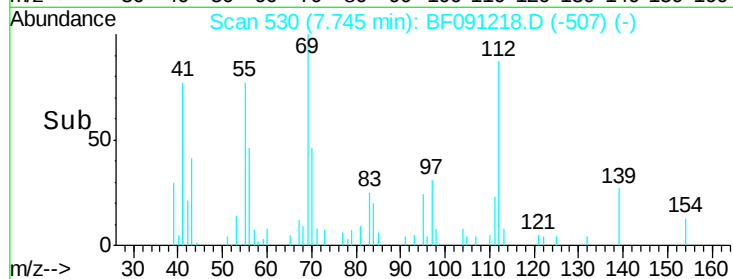
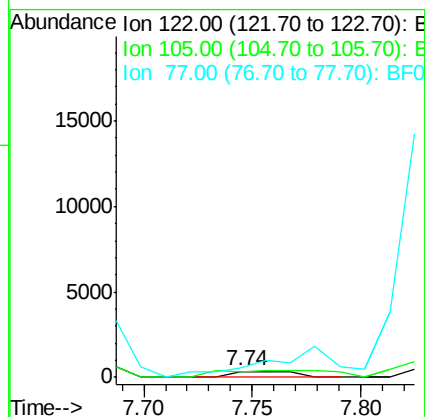
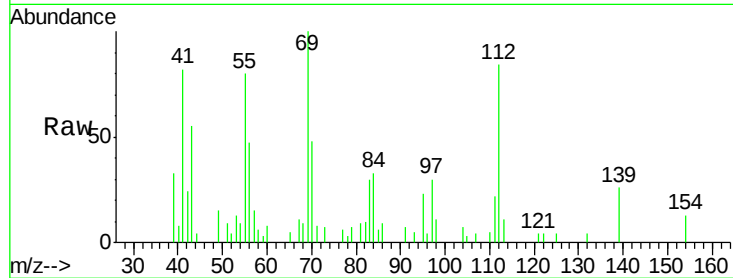
Tgt Ion:122 Resp: 698

Ion Ratio Lower Upper

122 100

105 95.3 105.9 145.9#

77 161.8 84.0 124.0#



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.65 min Scan# 697

Delta R.T. -0.05 min

Lab File: BF091218.D

Acq: 17 Nov 2016 17:58

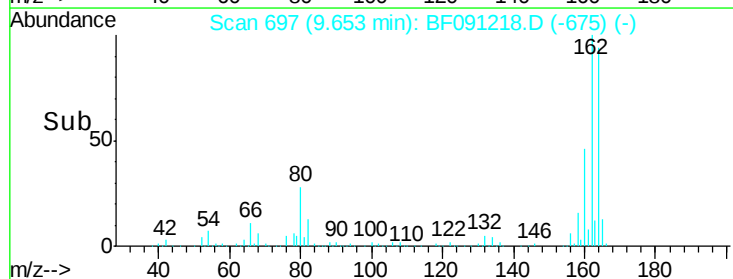
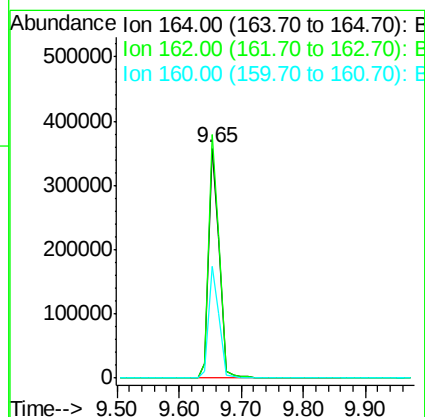
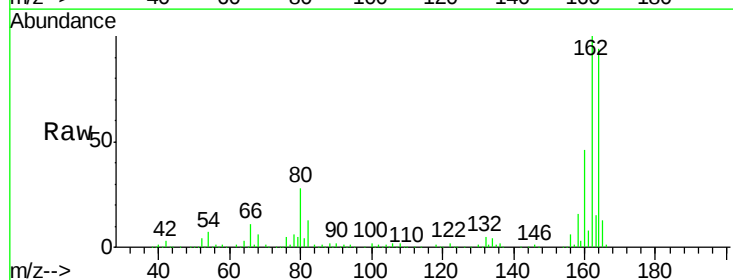
Tgt Ion:164 Resp: 427117

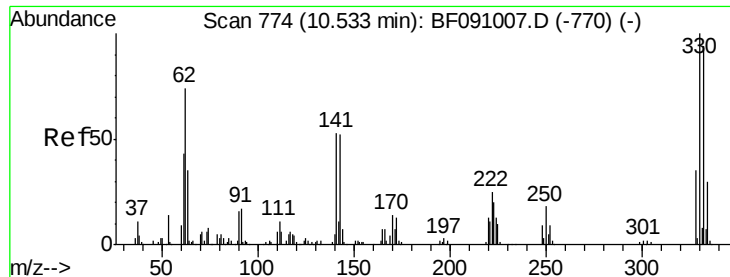
Ion Ratio Lower Upper

164 100

162 105.8 83.6 125.4

160 48.8 37.9 56.9

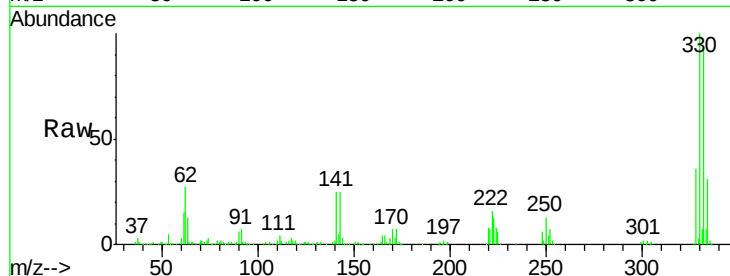




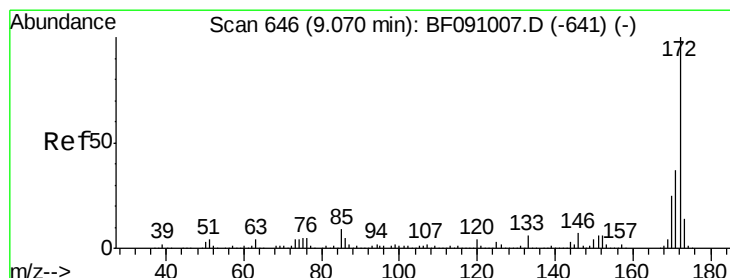
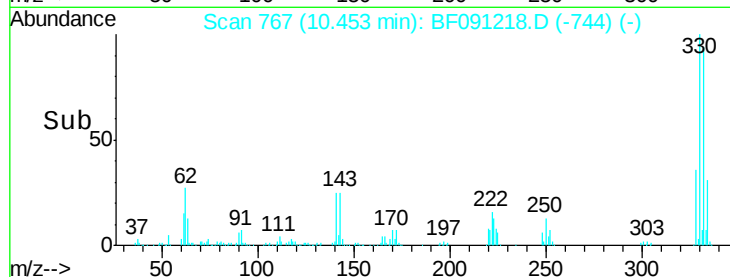
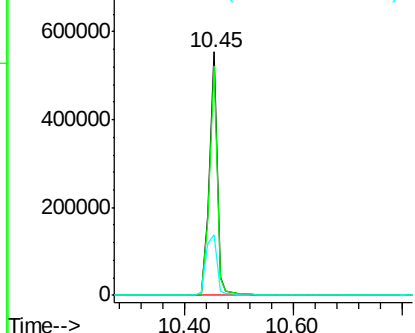
#41
 2,4,6-Tribromophenol
 Concen: 144.60 ng
 RT: 10.45 min Scan# 767
 Delta R.T. -0.03 min
 Lab File: BF091218.D
 Acq: 17 Nov 2016 17:58

Instrument :
 BNA_F
 ClientSampleId :
 GROUNDWATER

Tgt Ion:330 Resp: 558353
 Ion Ratio Lower Upper
 330 100
 332 94.5 75.9 113.9
 141 35.8 36.1 54.1#

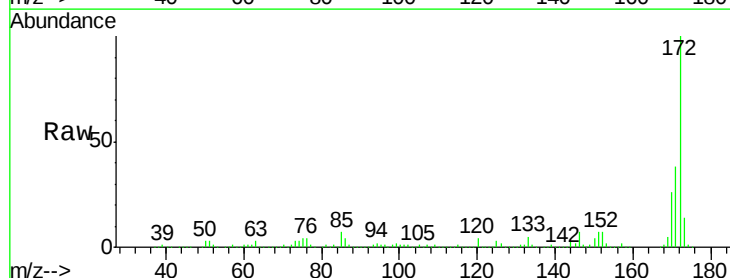


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

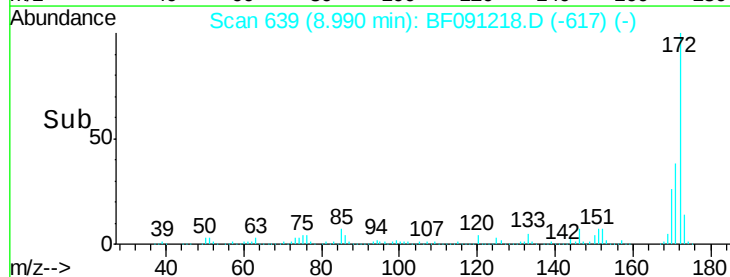
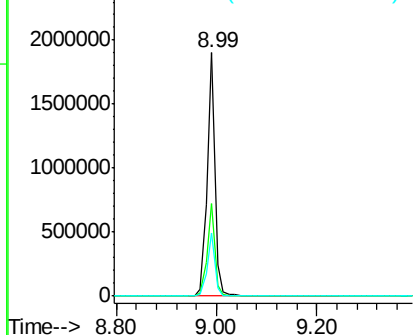


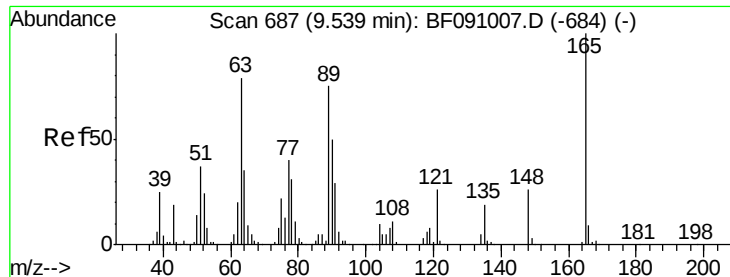
#44
 2-Fluorobiphenyl
 Concen: 83.62 ng
 RT: 8.99 min Scan# 639
 Delta R.T. -0.05 min
 Lab File: BF091218.D
 Acq: 17 Nov 2016 17:58

Tgt Ion:172 Resp: 2074625
 Ion Ratio Lower Upper
 172 100
 171 38.0 29.8 44.6
 170 26.2 20.3 30.5



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

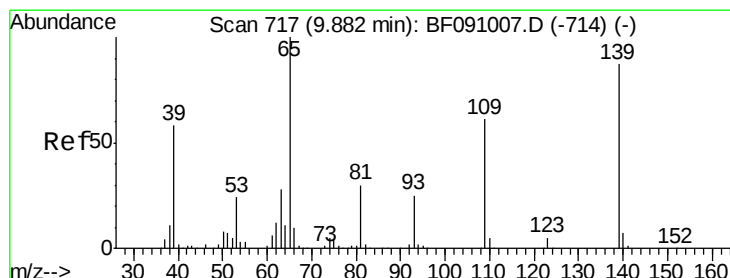
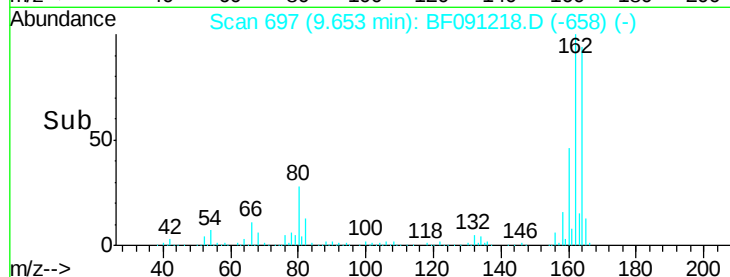
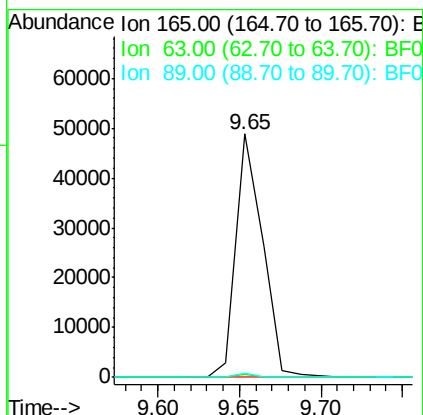
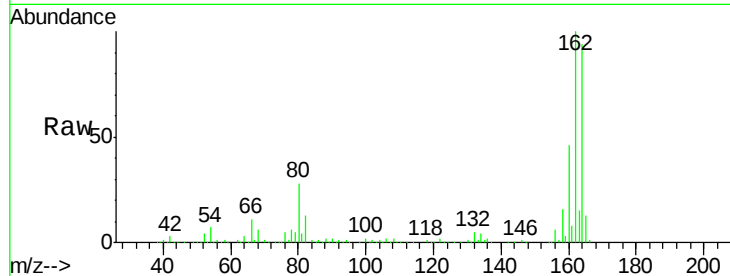




#50
2,6-Dinitrotoluene
Concen: 9.19 ng
RT: 9.65 min Scan# 697
Delta R.T. 0.15 min
Lab File: BF091218.D
Acq: 17 Nov 2016 17:58

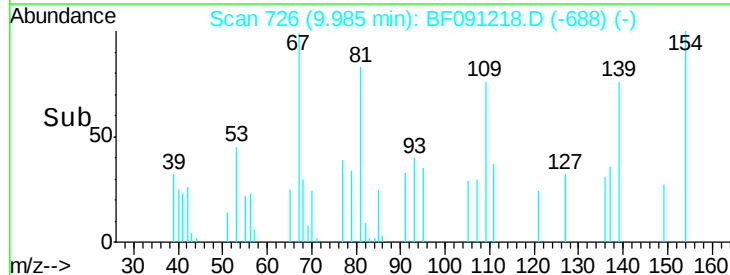
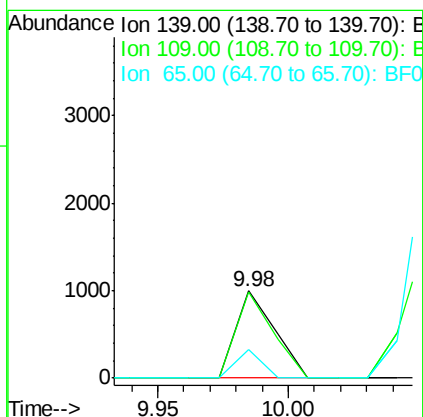
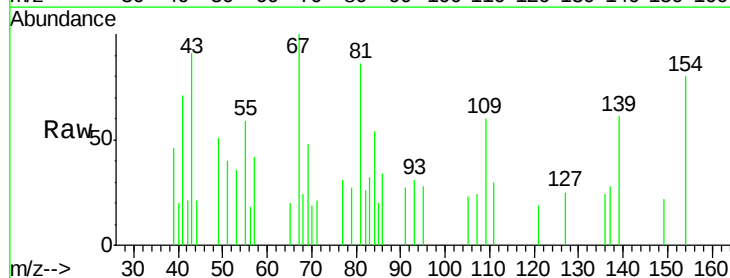
Instrument :
BNA_F
ClientSampleId :
GROUNDWATER

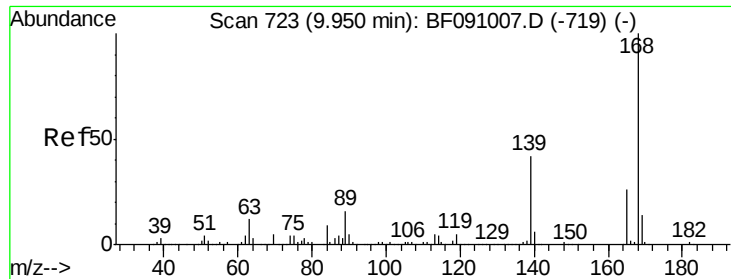
Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.1	65.6	98.4#
89	1.5	59.8	89.6#



#55
4-Nitrophenol
Concen: 5.93 ng
RT: 9.98 min Scan# 726
Delta R.T. 0.14 min
Lab File: BF091218.D
Acq: 17 Nov 2016 17:58

Tgt Ion	Ratio	Lower	Upper
139	100		
109	99.1	50.5	90.5#
65	32.8	97.1	137.1#

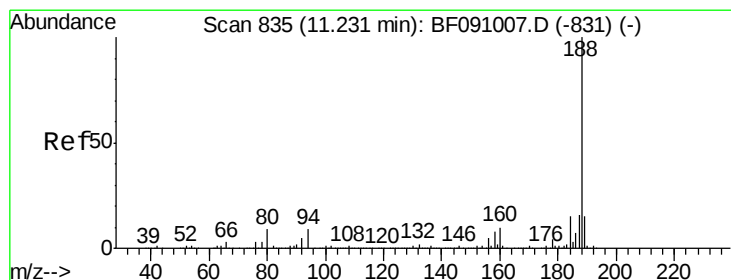
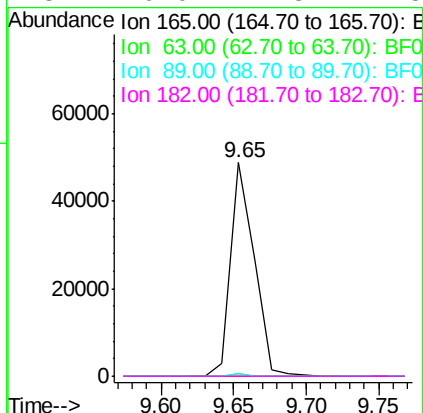
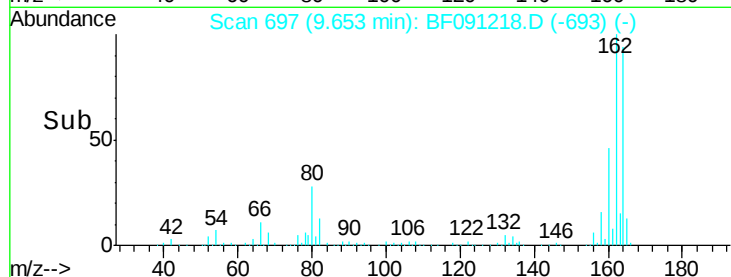
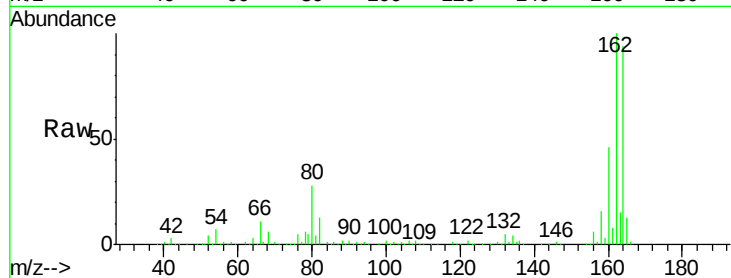




#56
2,4-Dinitrotoluene
Concen: 7.23 ng
RT: 9.65 min Scan# 697
Delta R.T. -0.25 min
Lab File: BF091218.D
Acq: 17 Nov 2016 17:58

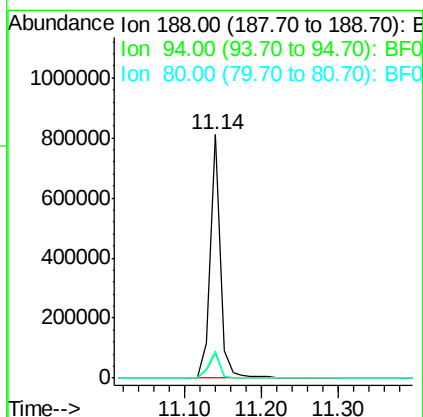
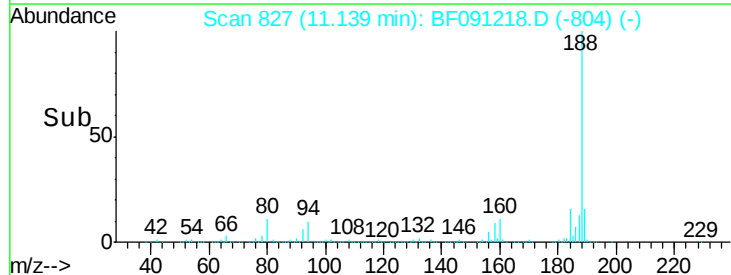
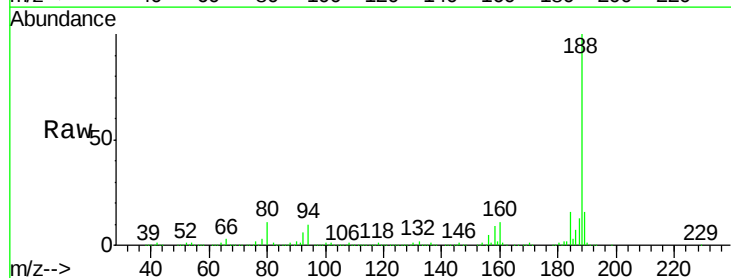
Instrument :
BNA_F
ClientSampleId :
GROUNDWATER

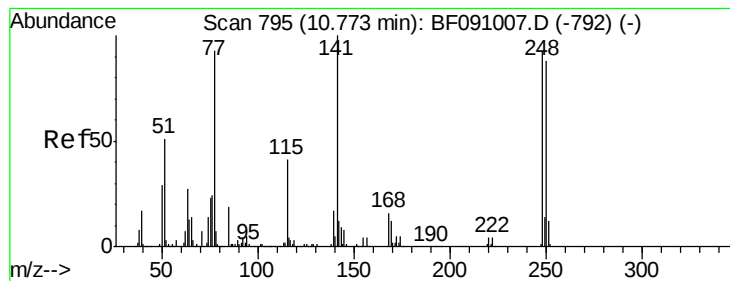
Tgt Ion:165 Resp: 55188
Ion Ratio Lower Upper
165 100
63 1.1 38.7 58.1#
89 1.5 50.6 76.0#
182 0.0 1.8 2.8#



#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.14 min Scan# 827
Delta R.T. -0.03 min
Lab File: BF091218.D
Acq: 17 Nov 2016 17:58

Tgt Ion:188 Resp: 736995
Ion Ratio Lower Upper
188 100
94 10.4 7.0 10.4
80 11.2 7.5 11.3





#66

4-Bromophenyl-phenylether

Concen: 5.07 ng

RT: 10.45 min Scan# 767

Delta R.T. -0.27 min

Lab File: BF091218.D

Acq: 17 Nov 2016 17:58

Instrument :

BNA_F

ClientSampleId :

GROUNDWATER

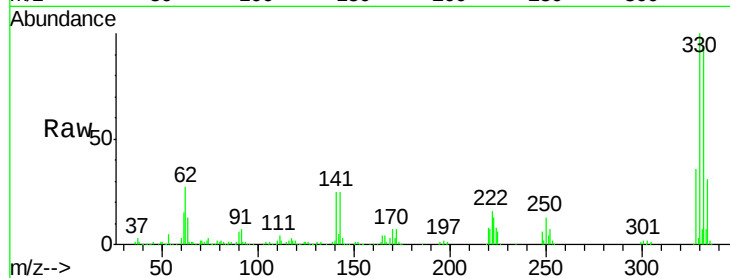
Tgt Ion:248 Resp: 38830

Ion Ratio Lower Upper

248 100

250 203.5 76.3 114.5#

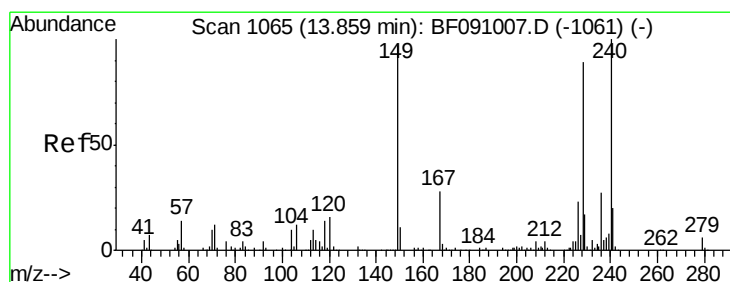
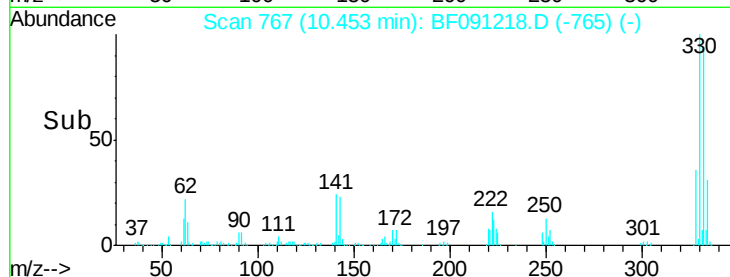
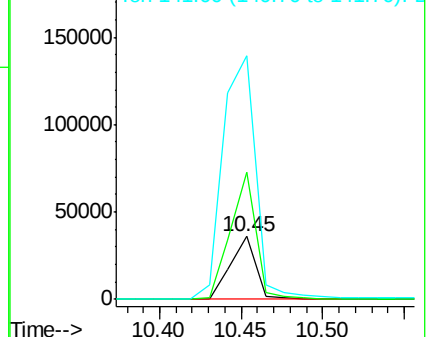
141 388.2 86.8 130.2#



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: 20.00 ng

RT: 13.77 min Scan# 1057

Delta R.T. -0.05 min

Lab File: BF091218.D

Acq: 17 Nov 2016 17:58

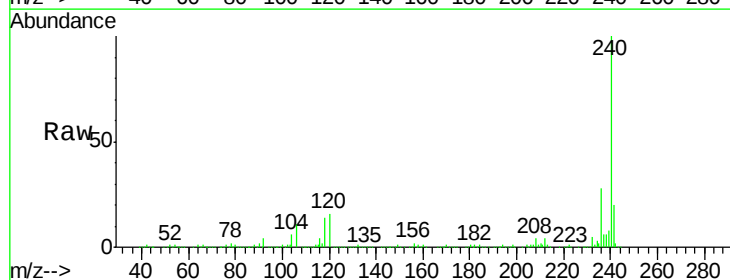
Tgt Ion:240 Resp: 512240

Ion Ratio Lower Upper

240 100

120 15.7 12.9 19.3

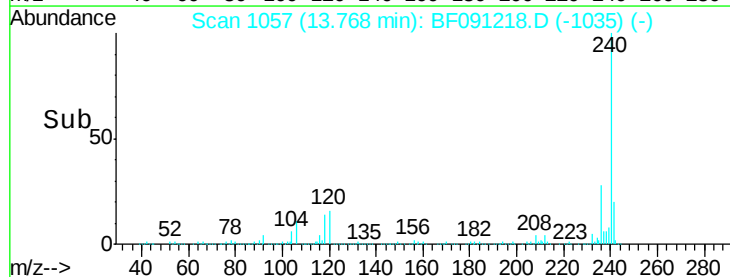
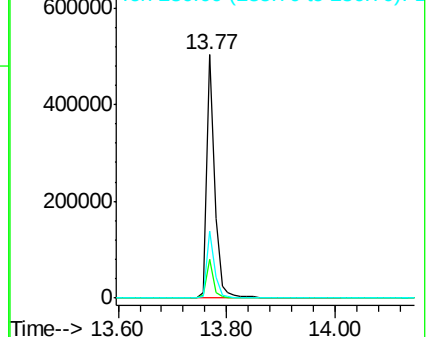
236 27.6 21.9 32.9

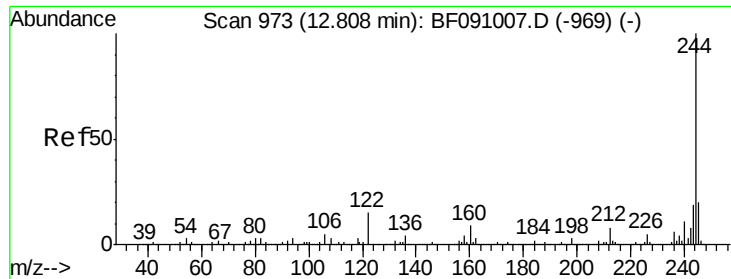


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

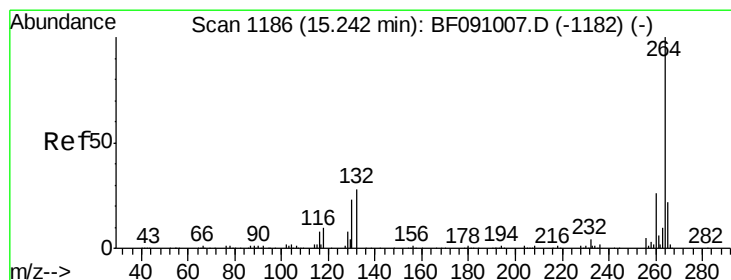
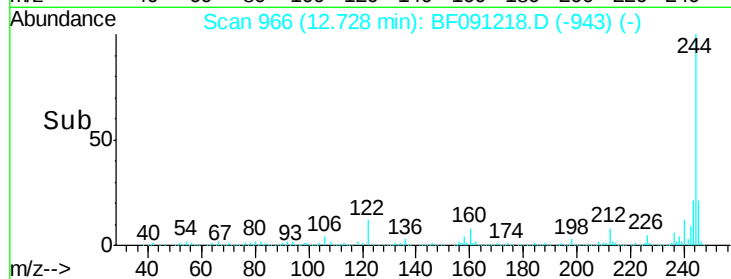
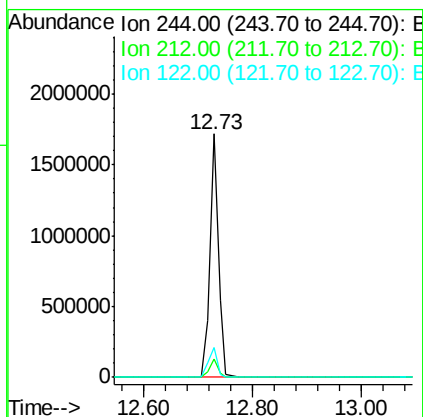
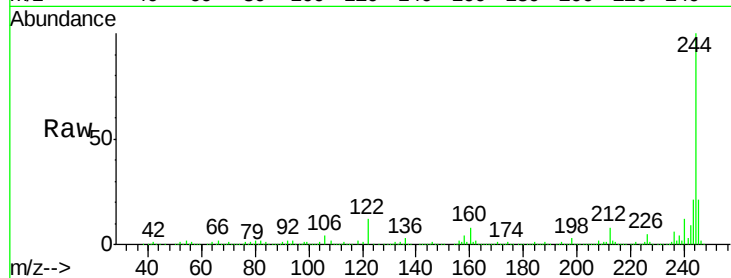




#78
 Terphenyl-d14
 Concen: 91.67 ng
 RT: 12.73 min Scan# 966
 Delta R.T. -0.03 min
 Lab File: BF091218.D
 Acq: 17 Nov 2016 17:58

Instrument :
 BNA_F
 ClientSampleId :
 GROUNDWATER

Tgt Ion:244 Resp: 1881813
 Ion Ratio Lower Upper
 244 100
 212 7.7 6.4 9.6
 122 12.2 12.3 18.5#



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.14 min Scan# 1177
 Delta R.T. -0.05 min
 Lab File: BF091218.D
 Acq: 17 Nov 2016 17:58

Tgt Ion:264 Resp: 351777
 Ion Ratio Lower Upper
 264 100
 260 25.7 20.6 30.8
 265 22.3 17.8 26.8

