

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF111716\
 Data File : BF091220.D
 Acq On : 17 Nov 2016 18:53
 Operator : UM/SJ
 Sample : H5674-01
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 GROUNDWATER

Quant Time: Nov 18 03:07:01 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

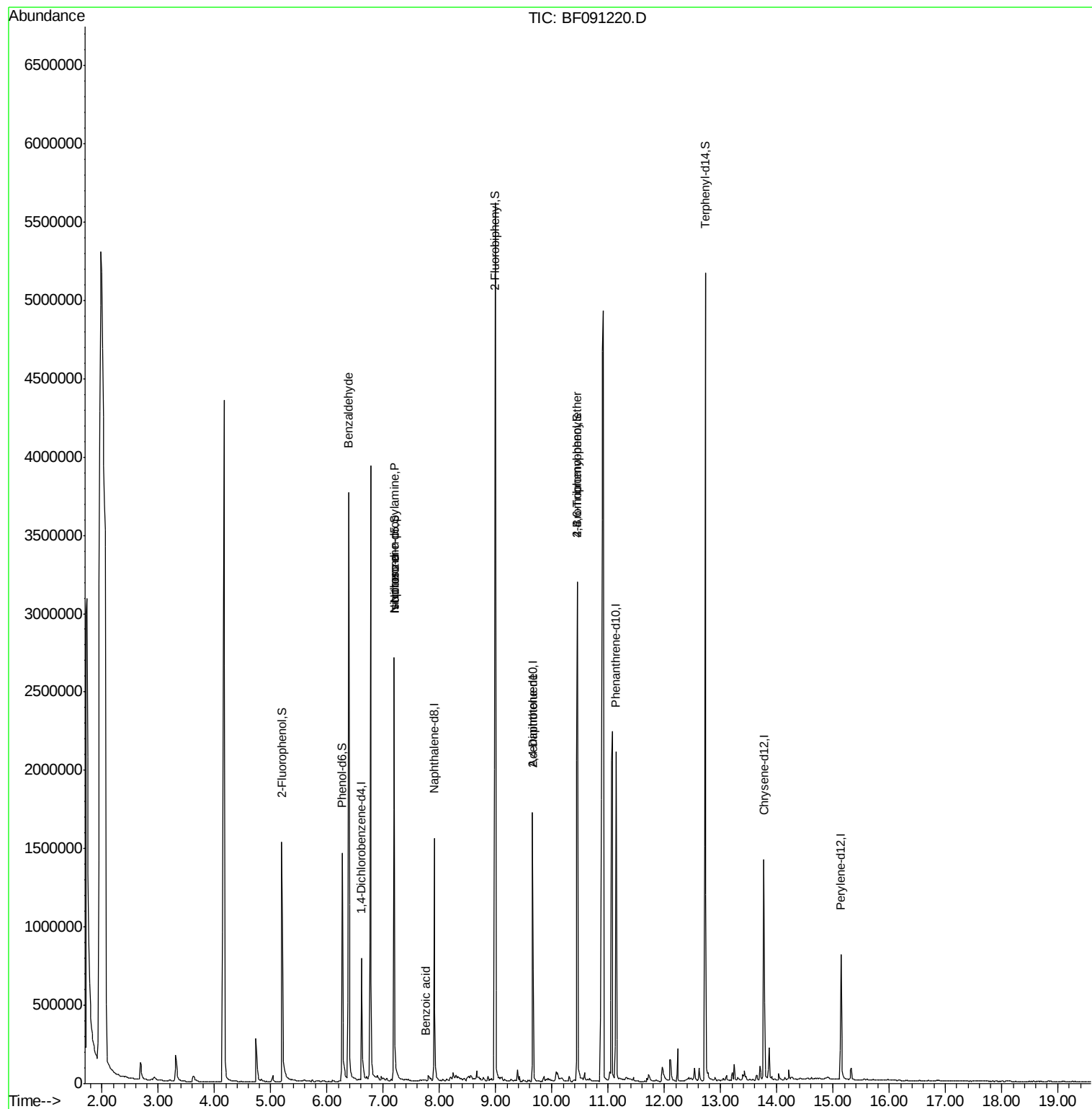
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.61	152	182312	20.00	ng	-0.05
21) Naphthalene-d8	7.90	136	782813	20.00	ng	-0.05
38) Acenaphthene-d10	9.65	164	411001	20.00	ng	-0.05
63) Phenanthrene-d10	11.14	188	711893	20.00	ng	-0.03
75) Chrysene-d12	13.77	240	485669	20.00	ng	-0.05
86) Perylene-d12	15.14	264	328245	20.00	ng	-0.05
System Monitoring Compounds						
5) 2-Fluorophenol	5.20	112	684233	61.98	ng	-0.05
7) Phenol-d6	6.27	99	594159	39.65	ng	-0.05
23) Nitrobenzene-d5	7.20	82	1276040	88.92	ng	-0.05
41) 2,4,6-Tribromophenol	10.45	330	546767	147.15	ng	-0.03
44) 2-Fluorobiphenyl	8.99	172	1952092	81.77	ng	-0.05
78) Terphenyl-d14	12.73	244	1827888	93.92	ng	-0.03
Target Compounds						Qvalue
9) Benzaldehyde	6.38	77	25990	3.13	ng	85
19) n-Nitroso-di-n-propylamine	7.20	70	177233	17.07	ng	# 74
25) Isophorone	7.20	82	1229736	44.47	ng	# 67
32) Benzoic acid	7.76	122	860	5.16	ng	# 27
56) 2,4-Dinitrotoluene	9.65	165	52668	7.17	ng	# 26
66) 4-Bromophenyl-phenylether	10.45	248	37584	5.08	ng	# 1

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

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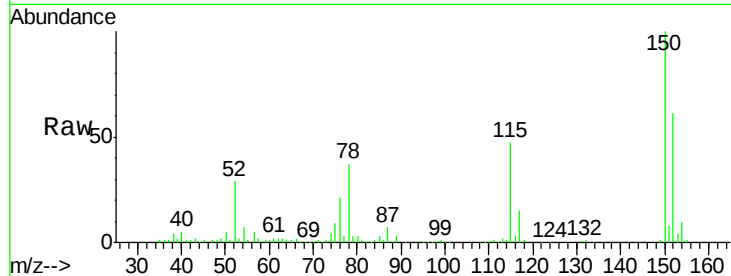


#1

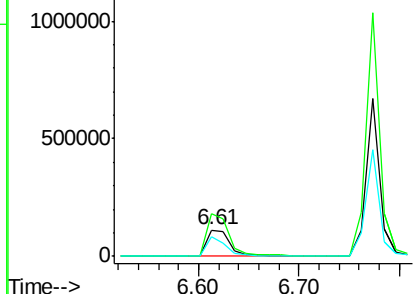
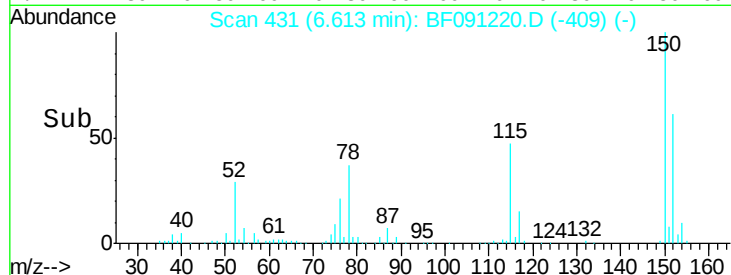
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.61 min Scan# 431
Delta R.T. -0.05 min
Lab File: BF091220.D
Acq: 17 Nov 2016 18:53

Instrument :
BNA_F
ClientSampleId :
GROUNDWATER

Tgt Ion:152 Resp: 182312
Ion Ratio Lower Upper
152 100
150 162.8 126.8 190.2
115 76.5 53.3 79.9



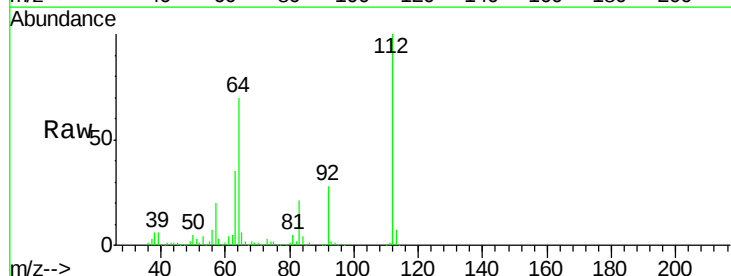
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



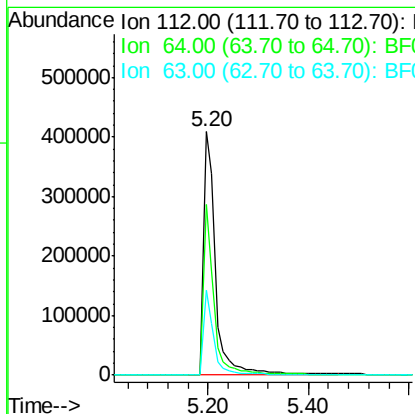
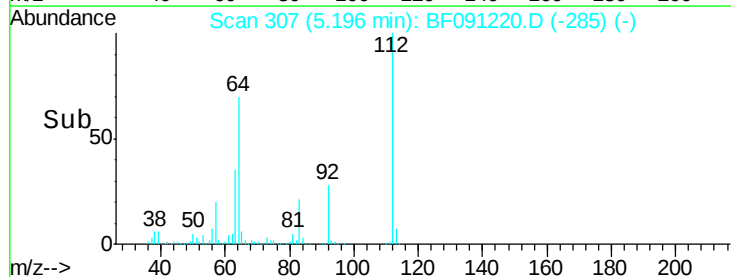
#5

2-Fluorophenol
Concen: 61.98 ng
RT: 5.20 min Scan# 307
Delta R.T. -0.05 min
Lab File: BF091220.D
Acq: 17 Nov 2016 18:53

Tgt Ion:112 Resp: 684233
Ion Ratio Lower Upper
112 100
64 70.0 55.8 83.6
63 35.1 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: 39.65 ng

RT: 6.27 min Scan# 401

Delta R.T. -0.05 min

Lab File: BF091220.D

Acq: 17 Nov 2016 18:53

Instrument :

BNA_F

ClientSampleId :

GROUNDWATER

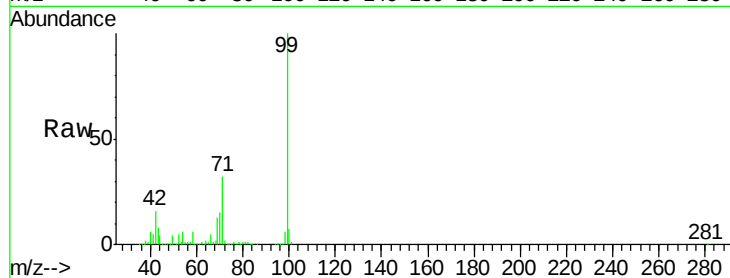
Tgt Ion: 99 Resp: 594159

Ion Ratio Lower Upper

99 100

42 15.5 13.9 20.9

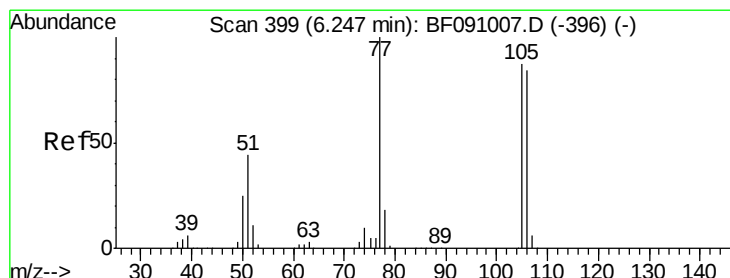
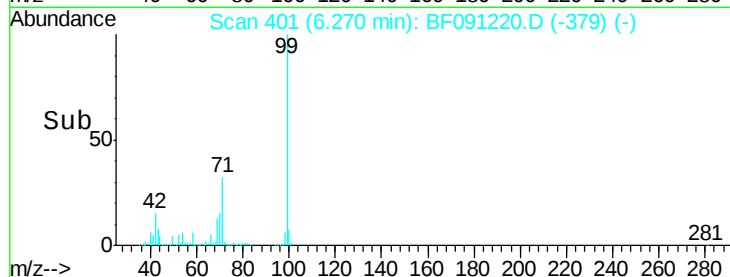
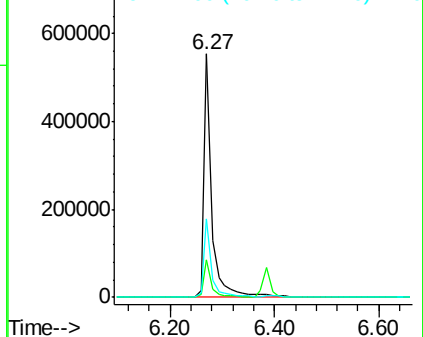
71 32.4 27.8 41.8



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: 3.13 ng

RT: 6.38 min Scan# 411

Delta R.T. 0.18 min

Lab File: BF091220.D

Acq: 17 Nov 2016 18:53

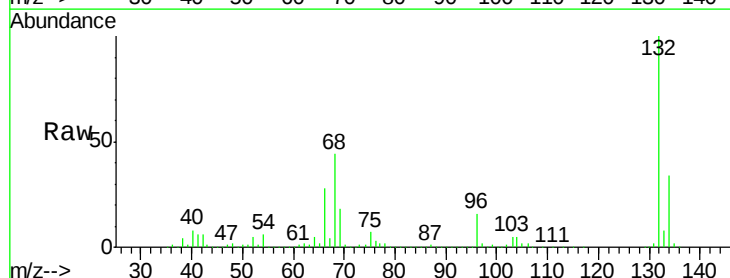
Tgt Ion: 77 Resp: 25990

Ion Ratio Lower Upper

77 100

105 76.9 66.8 106.8

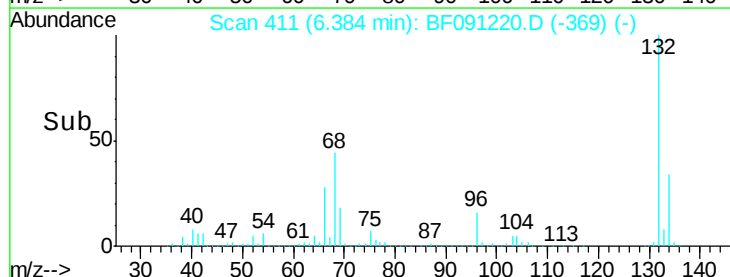
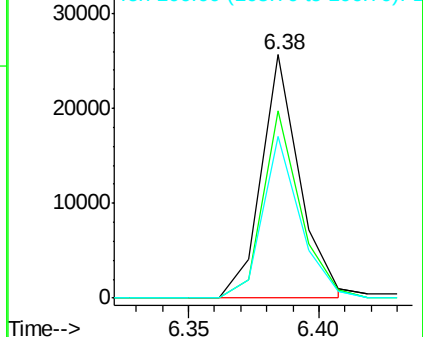
106 66.3 64.0 104.0

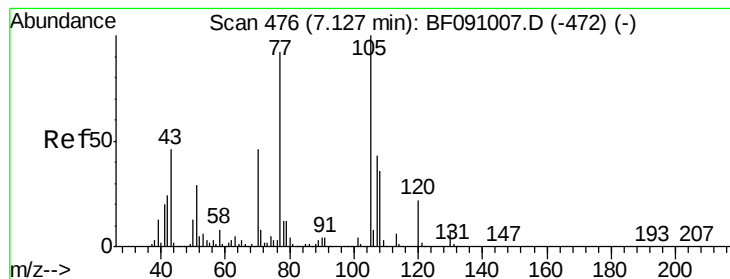


Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 105.00 (104.70 to 105.70): B

Ion 106.00 (105.70 to 106.70): B





#19

n-Nitroso-di-n-propylamine

Concen: 17.07 ng

RT: 7.20 min Scan# 482

Delta R.T. 0.10 min

Lab File: BF091220.D

Acq: 17 Nov 2016 18:53

Instrument :

BNA_F

ClientSampleId :

GROUNDWATER

Tgt Ion: 70 Resp: 177233

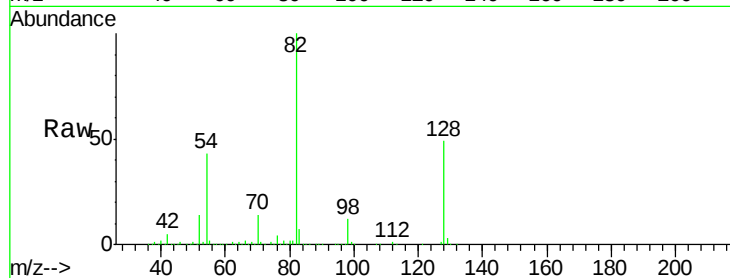
Ion Ratio Lower Upper

70 100

42 35.1 41.7 62.5#

101 0.0 6.7 10.1#

130 2.4 13.8 20.8#

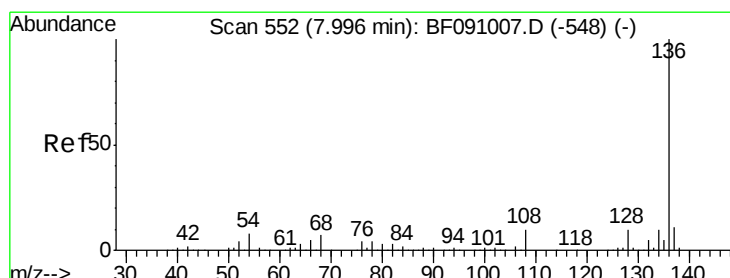
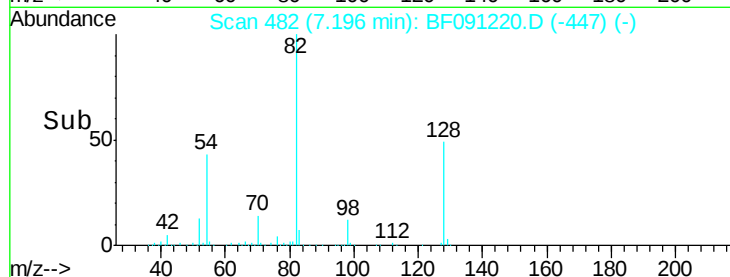
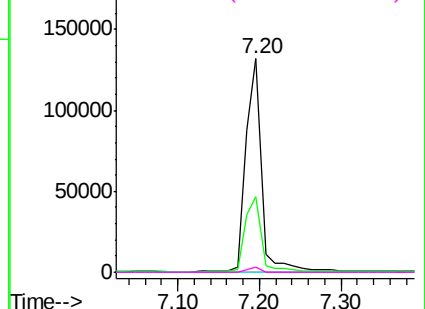


Abundance Ion 70.00 (69.70 to 70.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 101.00 (100.70 to 101.70): E

Ion 130.00 (129.70 to 130.70): E



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.90 min Scan# 544

Delta R.T. -0.05 min

Lab File: BF091220.D

Acq: 17 Nov 2016 18:53

Tgt Ion: 136 Resp: 782813

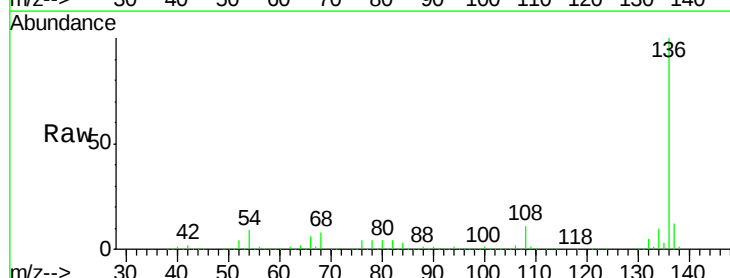
Ion Ratio Lower Upper

136 100

137 11.6 8.9 13.3

54 8.9 6.2 9.2

68 7.7 5.5 8.3

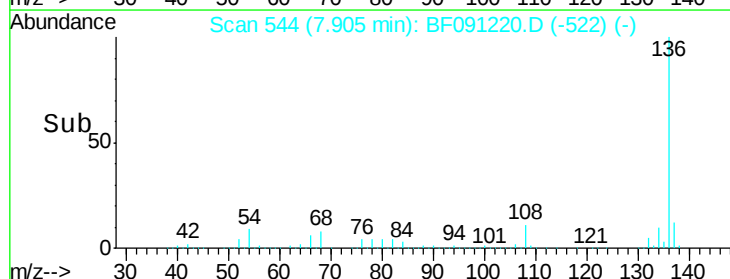
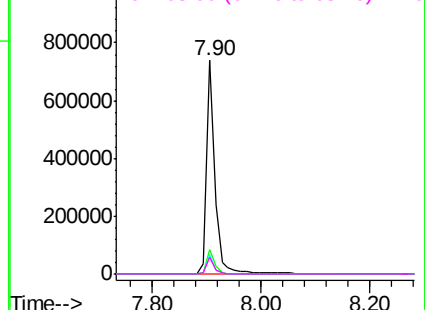


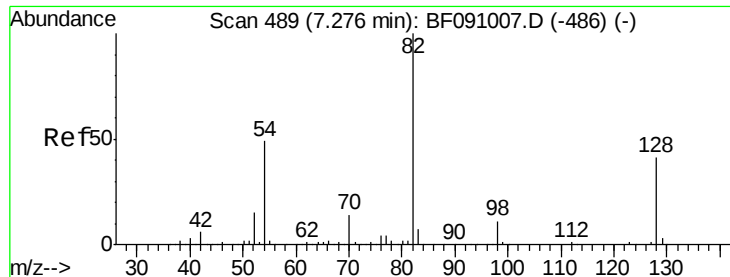
Abundance Ion 136.00 (135.70 to 136.70): E

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

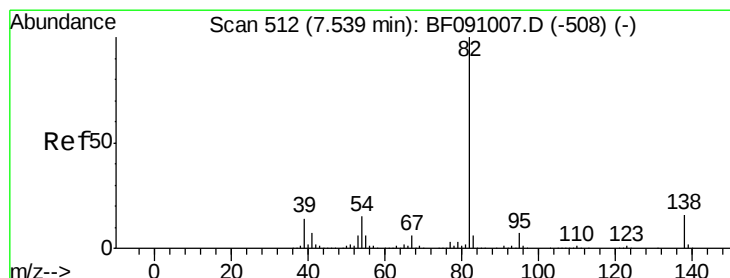
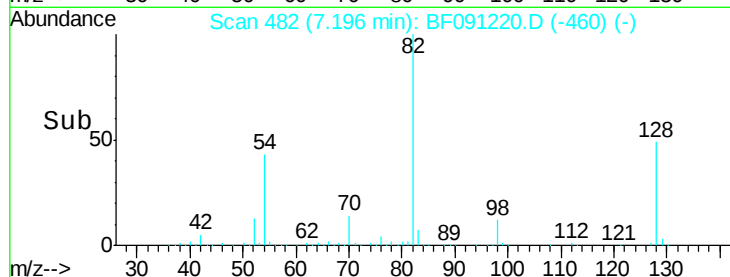
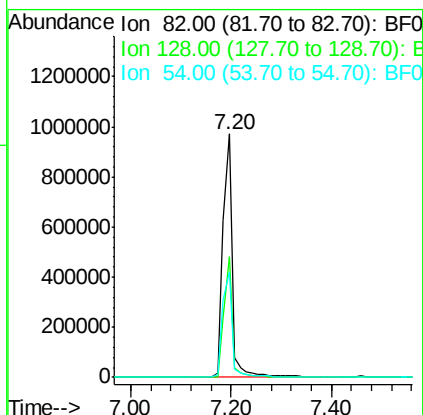
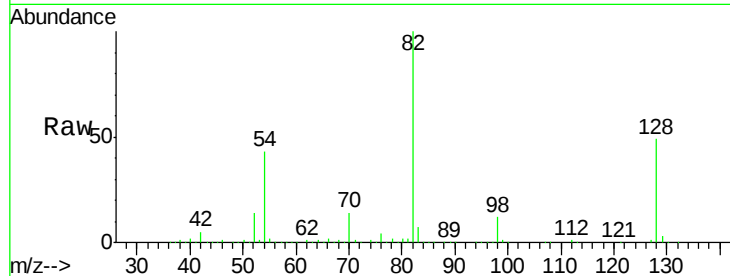




#23
 Nitrobenzene-d5
 Concen: 88.92 ng
 RT: 7.20 min Scan# 482
 Delta R.T. -0.05 min
 Lab File: BF091220.D
 Acq: 17 Nov 2016 18:53

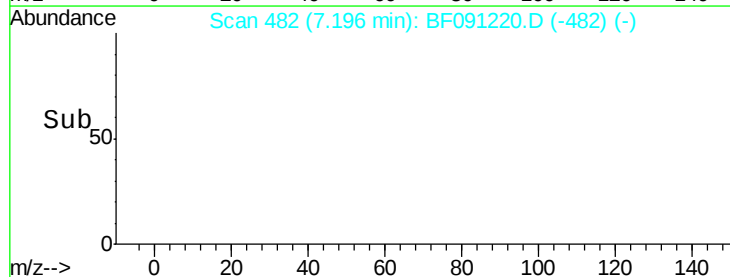
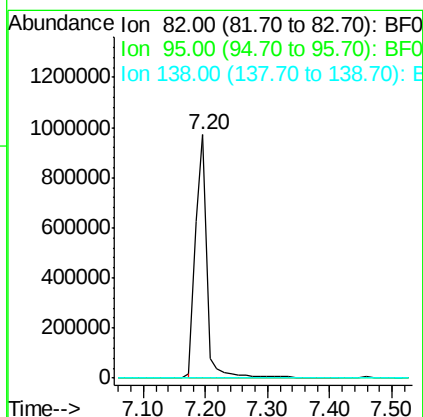
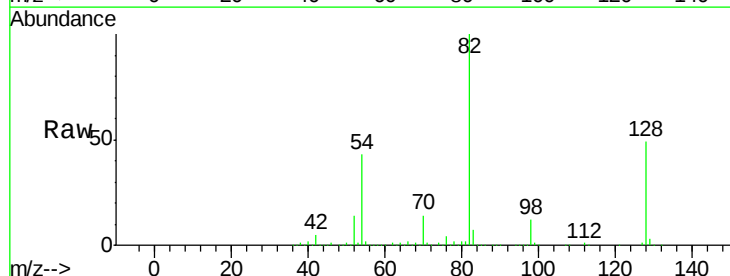
Instrument :
 BNA_F
 ClientSampleId :
 GROUNDWATER

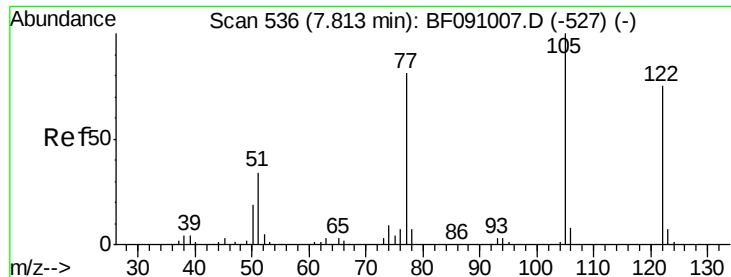
Tgt Ion: 82 Resp: 1276040
 Ion Ratio Lower Upper
 82 100
 128 49.4 32.4 48.6#
 54 43.1 39.2 58.8



#25
 Isophorone
 Concen: 44.47 ng
 RT: 7.20 min Scan# 482
 Delta R.T. -0.30 min
 Lab File: BF091220.D
 Acq: 17 Nov 2016 18:53

Tgt Ion: 82 Resp: 1229736
 Ion Ratio Lower Upper
 82 100
 95 0.0 5.4 8.0#
 138 0.0 13.0 19.4#





#32

Benzoic acid

Concen: 5.16 ng

RT: 7.76 min Scan# 531

Delta R.T. -0.02 min

Lab File: BF091220.D

Acq: 17 Nov 2016 18:53

Instrument :

BNA_F

ClientSampleId :

GROUNDWATER

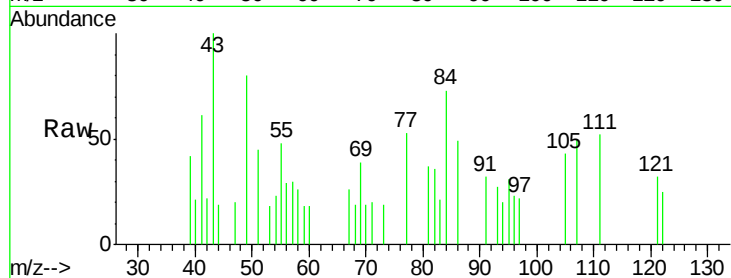
Tgt Ion:122 Resp: 860

Ion Ratio Lower Upper

122 100

105 176.3 105.9 145.9#

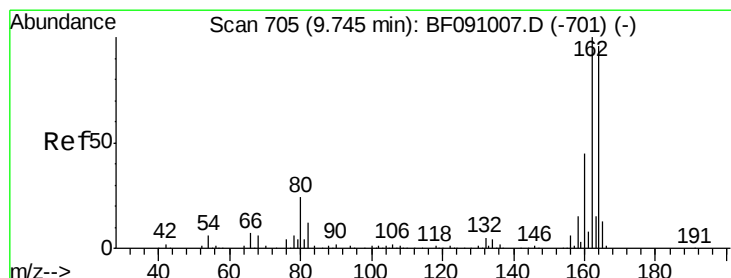
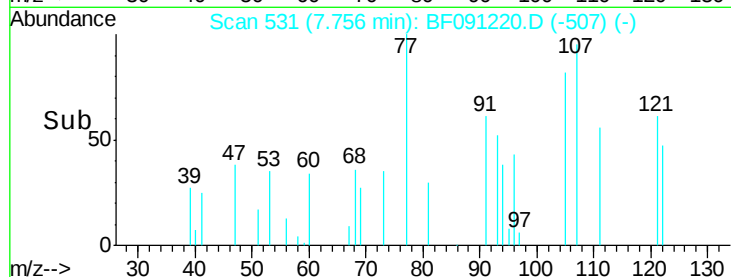
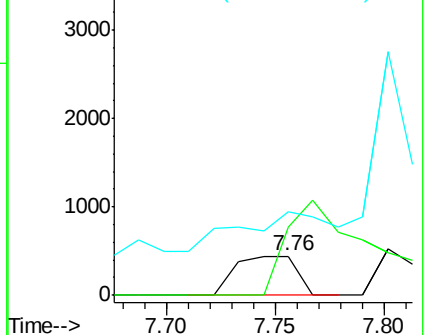
77 214.4 84.0 124.0#



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): BF0



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.65 min Scan# 697

Delta R.T. -0.05 min

Lab File: BF091220.D

Acq: 17 Nov 2016 18:53

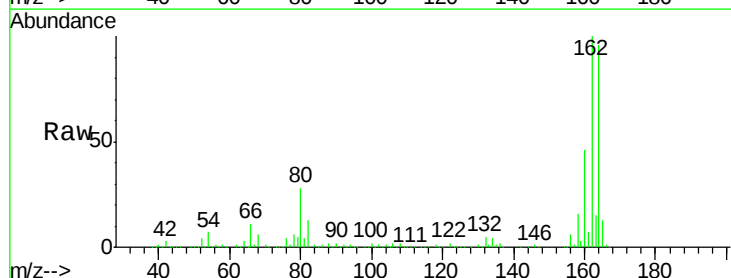
Tgt Ion:164 Resp: 411001

Ion Ratio Lower Upper

164 100

162 103.8 83.6 125.4

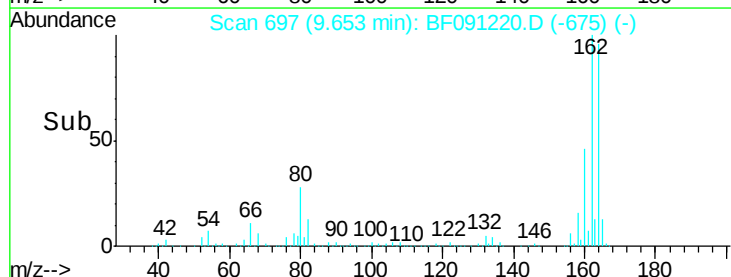
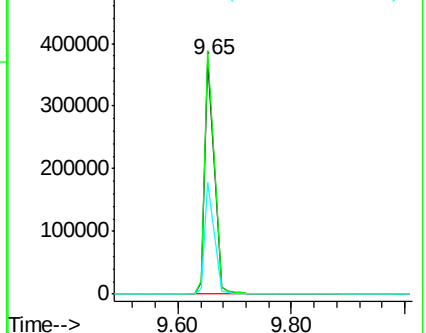
160 47.9 37.9 56.9

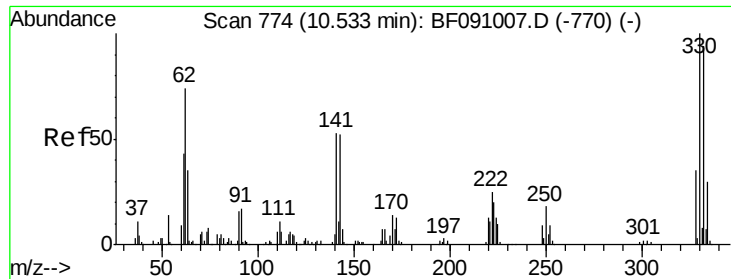


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

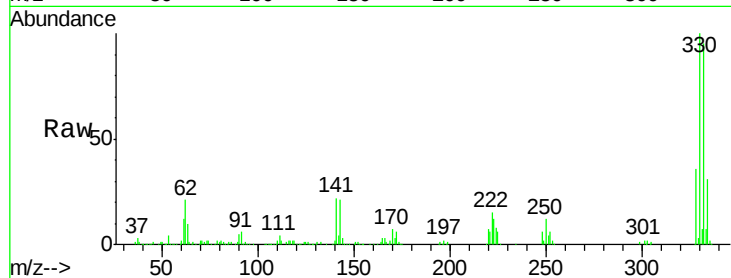




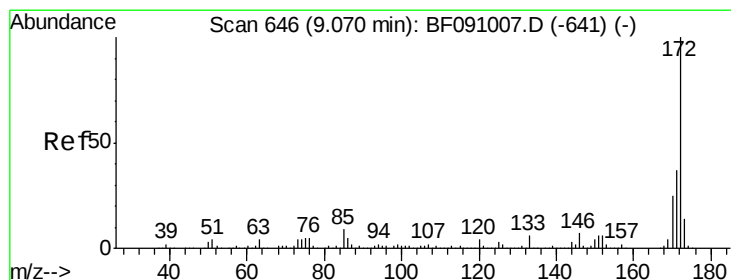
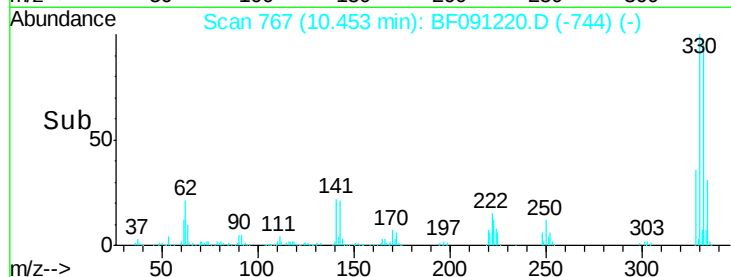
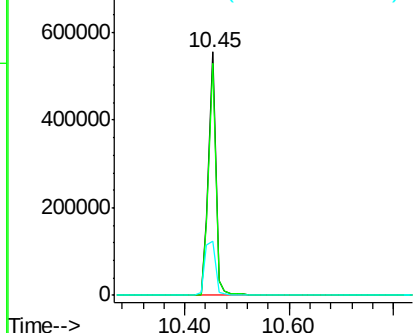
#41
 2,4,6-Tribromophenol
 Concen: 147.15 ng
 RT: 10.45 min Scan# 767
 Delta R.T. -0.03 min
 Lab File: BF091220.D
 Acq: 17 Nov 2016 18:53

Instrument :
 BNA_F
 ClientSampleId :
 GROUNDWATER

Tgt Ion:330 Resp: 546767
 Ion Ratio Lower Upper
 330 100
 332 95.7 75.9 113.9
 141 33.6 36.1 54.1#

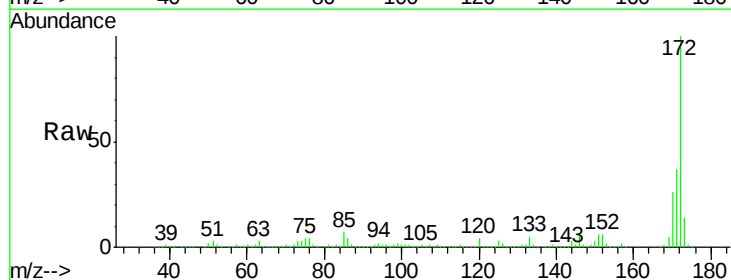


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

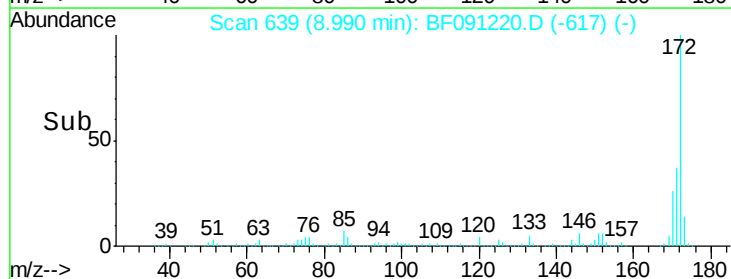
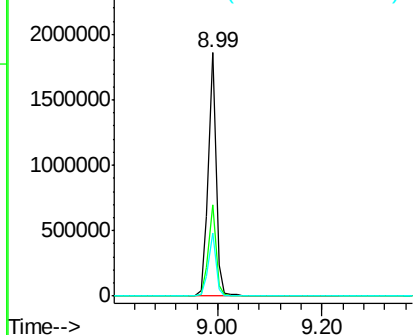


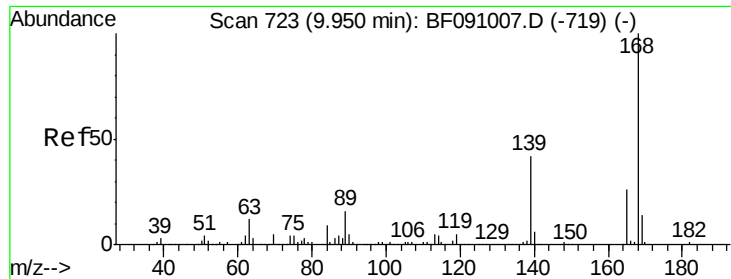
#44
 2-Fluorobiphenyl
 Concen: 81.77 ng
 RT: 8.99 min Scan# 639
 Delta R.T. -0.05 min
 Lab File: BF091220.D
 Acq: 17 Nov 2016 18:53

Tgt Ion:172 Resp: 1952092
 Ion Ratio Lower Upper
 172 100
 171 37.5 29.8 44.6
 170 25.9 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

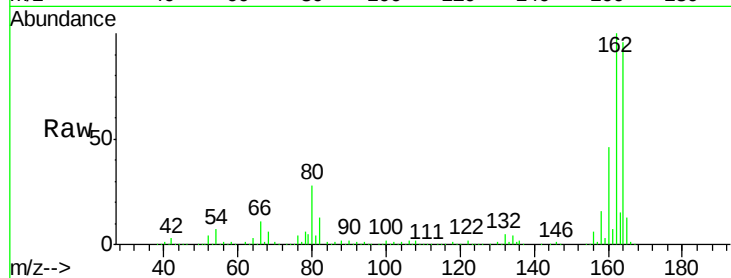




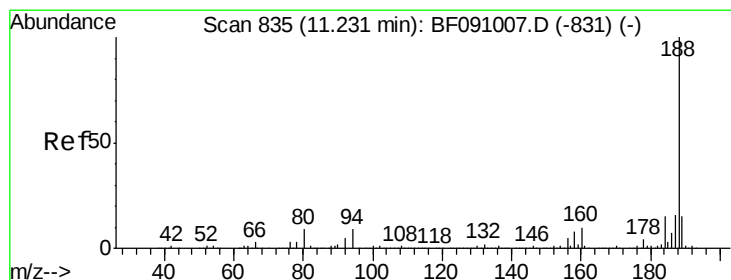
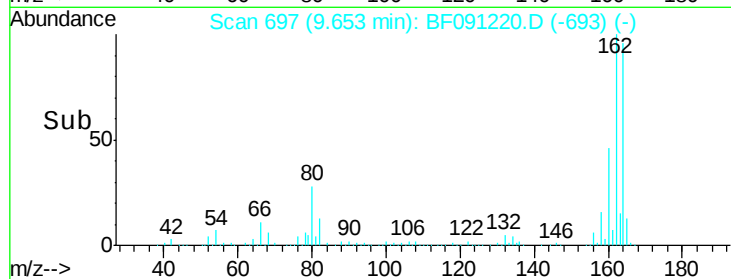
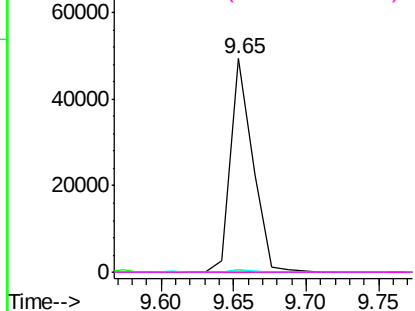
#56
 2,4-Dinitrotoluene
 Concen: 7.17 ng
 RT: 9.65 min Scan# 697
 Delta R.T. -0.25 min
 Lab File: BF091220.D
 Acq: 17 Nov 2016 18:53

Instrument :
 BNA_F
 ClientSampleId :
 GROUNDWATER

Tgt Ion:165 Resp: 52668
 Ion Ratio Lower Upper
 165 100
 63 1.3 38.7 58.1#
 89 1.2 50.6 76.0#
 182 0.0 1.8 2.8#

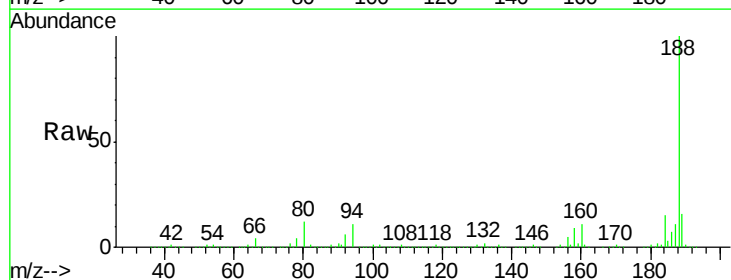


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF0
 Ion 89.00 (88.70 to 89.70): BF0
 Ion 182.00 (181.70 to 182.70): E

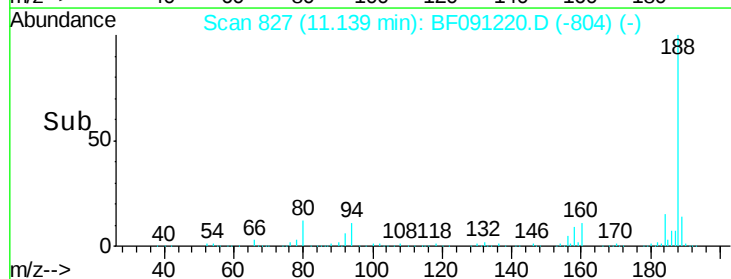
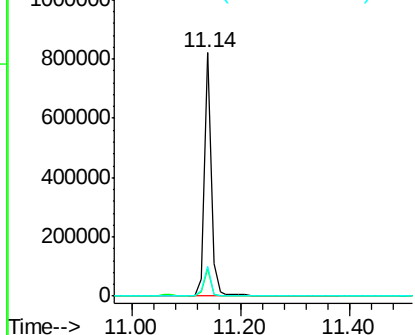


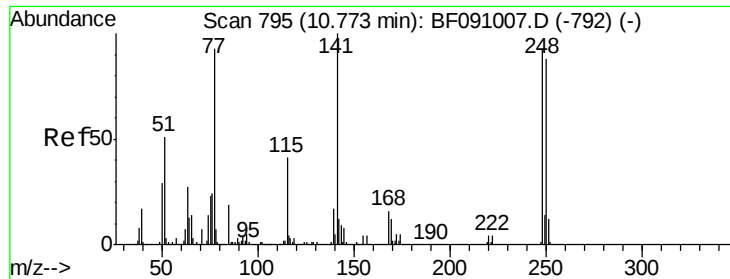
#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.14 min Scan# 827
 Delta R.T. -0.03 min
 Lab File: BF091220.D
 Acq: 17 Nov 2016 18:53

Tgt Ion:188 Resp: 711893
 Ion Ratio Lower Upper
 188 100
 94 11.1 7.0 10.4#
 80 12.1 7.5 11.3#



Abundance Ion 188.00 (187.70 to 188.70): E
 Ion 94.00 (93.70 to 94.70): BF0
 Ion 80.00 (79.70 to 80.70): BF0

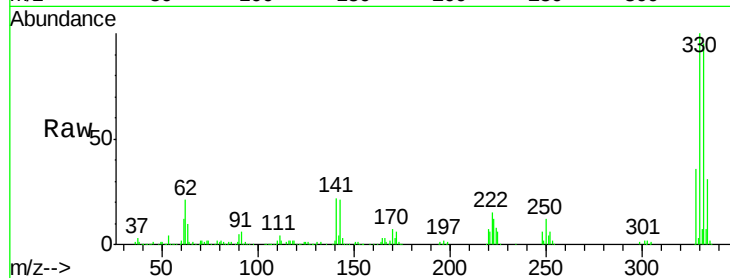




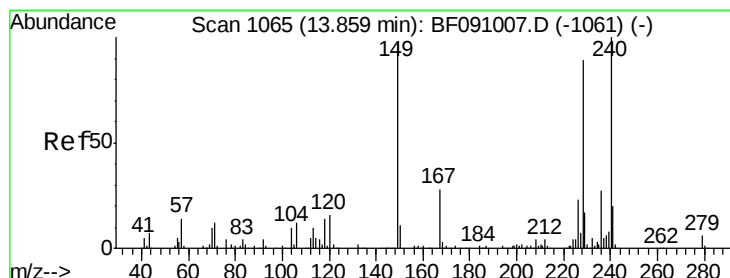
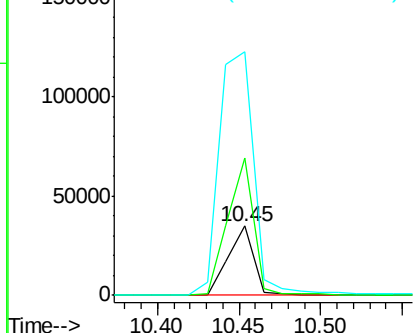
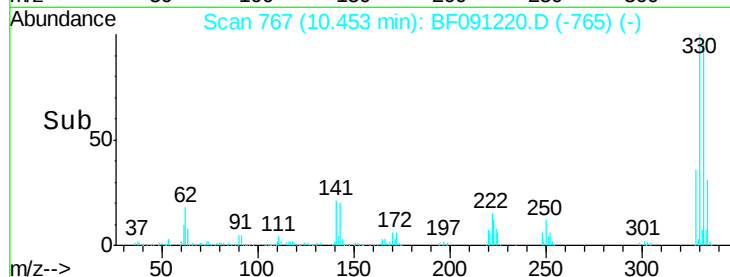
#66
4-Bromophenyl-phenylether
Concen: 5.08 ng
RT: 10.45 min Scan# 767
Delta R.T. -0.27 min
Lab File: BF091220.D
Acq: 17 Nov 2016 18:53

Instrument :
BNA_F
ClientSampleId :
GROUNDWATER

Tgt Ion:248 Resp: 37584
Ion Ratio Lower Upper
248 100
250 198.4 76.3 114.5#
141 351.1 86.8 130.2#

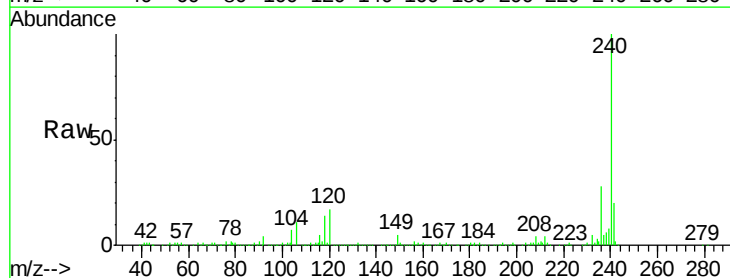


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

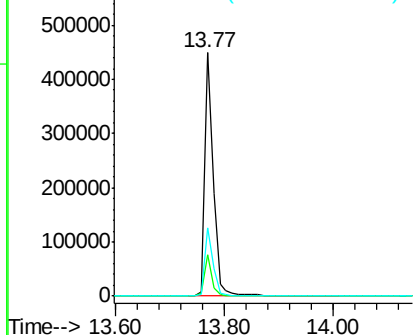
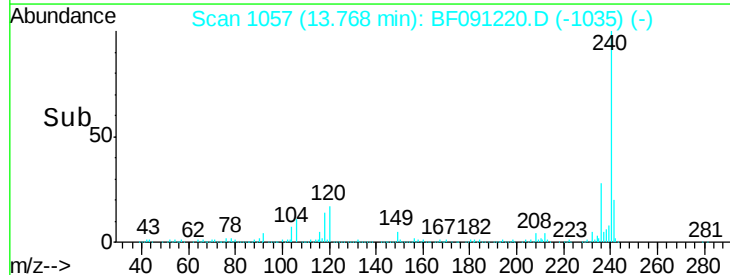


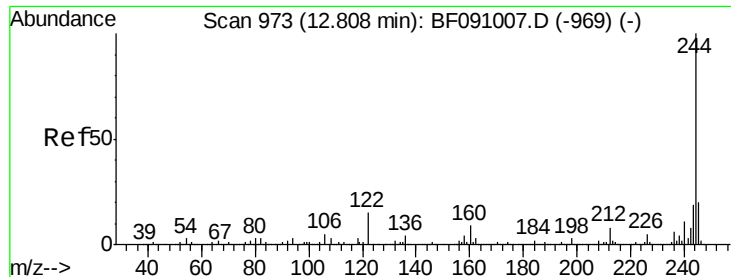
#75
Chrysene-d12
Concen: 20.00 ng
RT: 13.77 min Scan# 1057
Delta R.T. -0.05 min
Lab File: BF091220.D
Acq: 17 Nov 2016 18:53

Tgt Ion:240 Resp: 485669
Ion Ratio Lower Upper
240 100
120 16.8 12.9 19.3
236 27.8 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

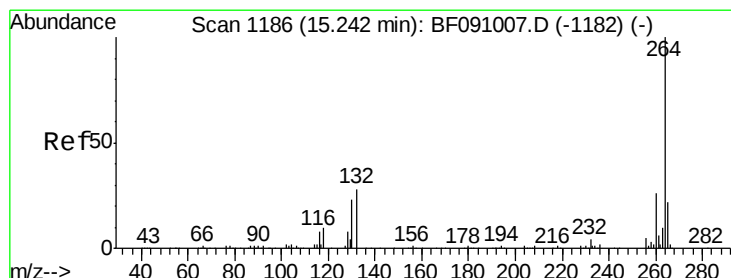
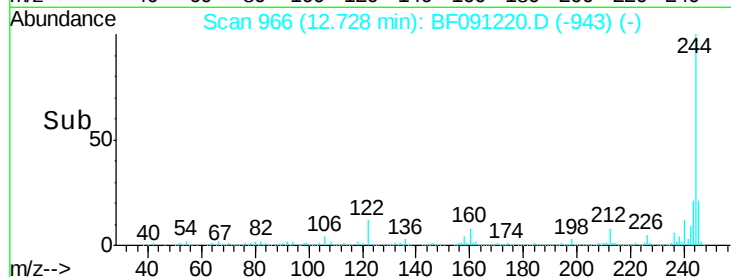
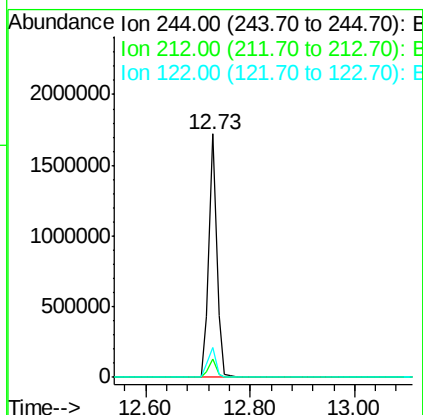
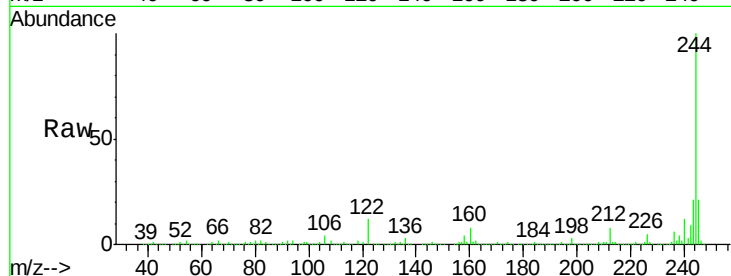




#78
 Terphenyl-d14
 Concen: 93.92 ng
 RT: 12.73 min Scan# 966
 Delta R.T. -0.03 min
 Lab File: BF091220.D
 Acq: 17 Nov 2016 18:53

Instrument :
 BNA_F
 ClientSampleId :
 GROUNDWATER

Tgt Ion:244 Resp: 1827888
 Ion Ratio Lower Upper
 244 100
 212 7.6 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: BF091220.D
 Acq: 17 Nov 2016 18:53

Tgt Ion:264 Resp: 328245
 Ion Ratio Lower Upper
 264 100
 260 25.3 20.6 30.8
 265 21.8 17.8 26.8

