

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF112316\
 Data File : BF091278.D
 Acq On : 23 Nov 2016 16:18
 Operator : UM/SJ
 Sample : H5696-01
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 GROUNDWATER

Quant Time: Nov 23 23:58:25 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF112316.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Nov 23 13:22:53 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.88	152	244228	20.00	ng	0.00
21) Naphthalene-d8	8.16	136	937389	20.00	ng	-0.01
38) Acenaphthene-d10	9.92	164	516506	20.00	ng	0.00
63) Phenanthrene-d10	11.40	188	862372	20.00	ng	0.00
75) Chrysene-d12	14.03	240	514107	20.00	ng	-0.01
86) Perylene-d12	15.47	264	575569	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.48	112	312547	20.56	ng	0.01
7) Phenol-d6	6.49	99	258145	13.22	ng	-0.01
23) Nitrobenzene-d5	7.44	82	763261	46.88	ng	-0.01
41) 2,4,6-Tribromophenol	10.70	330	188605	36.21	ng	0.00
44) 2-Fluorobiphenyl	9.24	172	1395160	44.23	ng	0.00
78) Terphenyl-d14	12.98	244	736411	32.71	ng	-0.01

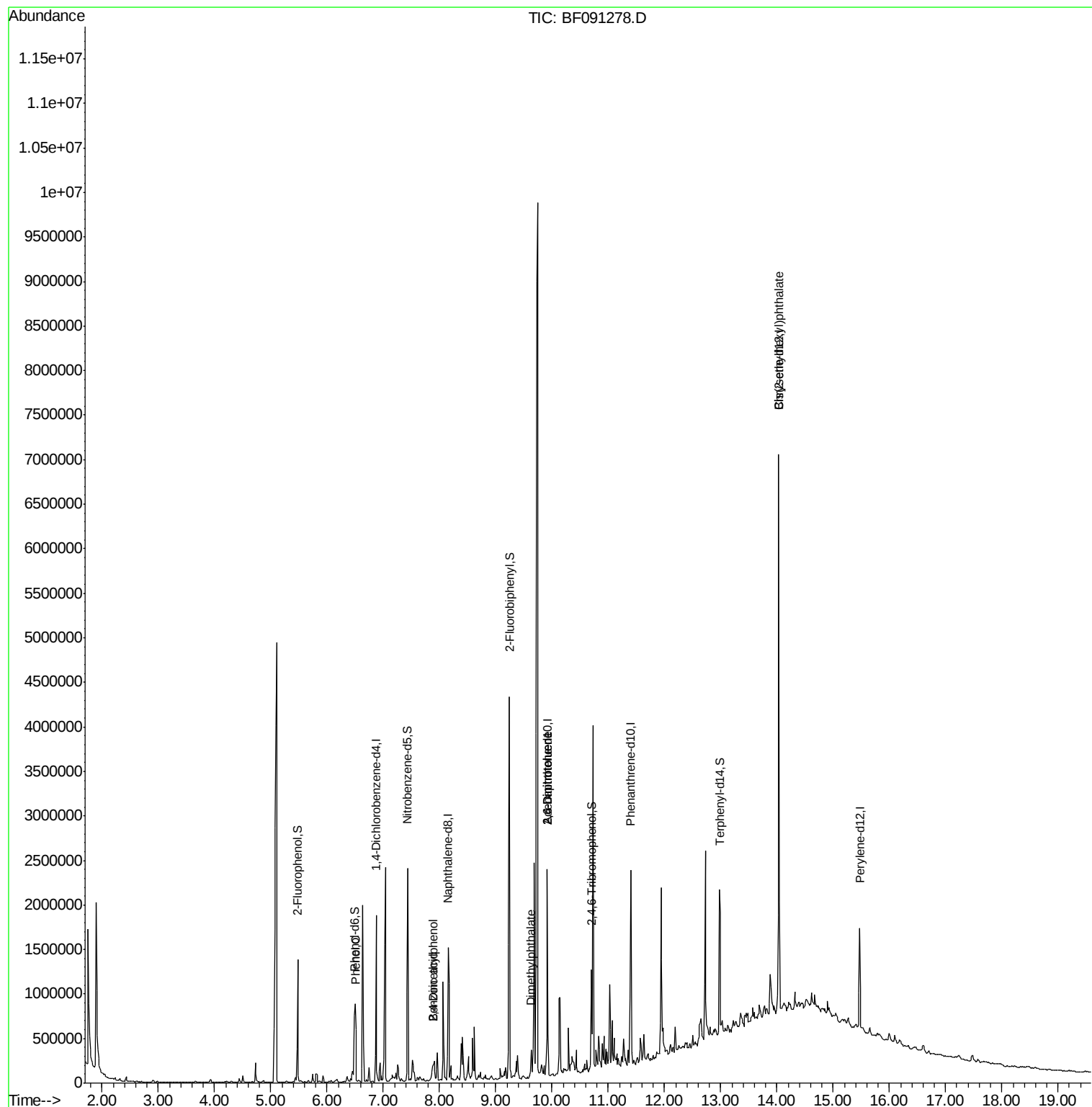
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.42	77	6441	Below Cal		88
10) Phenol	6.51	94	245496	11.27	ng	78
27) 2,4-Dimethylphenol	7.88	122	55897	3.85	ng	# 4
32) Benzoic acid	7.88	122	55897	4.89	ng	95
49) Dimethylphthalate	9.63	163	105030	3.26	ng	97
50) 2,6-Dinitrotoluene	9.92	165	67779	9.62	ng	# 17
56) 2,4-Dinitrotoluene	9.92	165	68009	7.63	ng	# 34
83) Bis(2-ethylhexyl)phthalate	14.03	149	1280086	67.64	ng	# 95

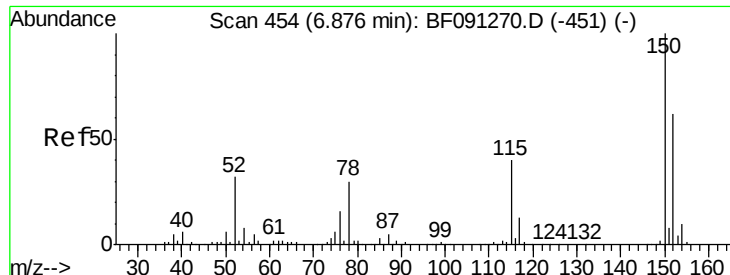
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF112316\
Data File : BF091278.D
Acq On : 23 Nov 2016 16:18
Operator : UM/SJ
Sample : H5696-01
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
GROUNDWATER

Quant Time: Nov 23 23:58:25 2016
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF112316.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 23 13:22:53 2016
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.88 min Scan# 454

Delta R.T. 0.00 min

Lab File: BF091278.D

Acq: 23 Nov 2016 16:18

Instrument :

BNA_F

ClientSampleId :

GROUNDWATER

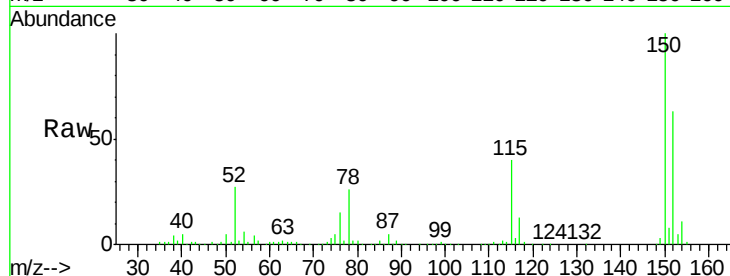
Tgt Ion:152 Resp: 244228

Ion Ratio Lower Upper

152 100

150 157.5 122.5 183.7

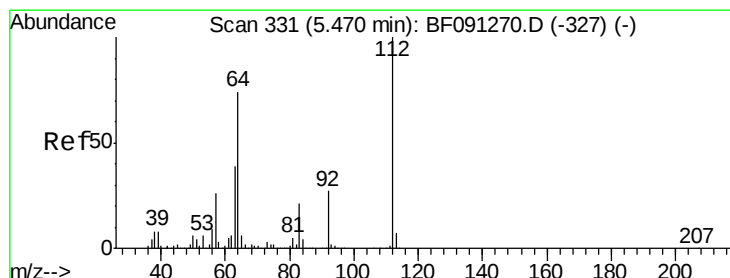
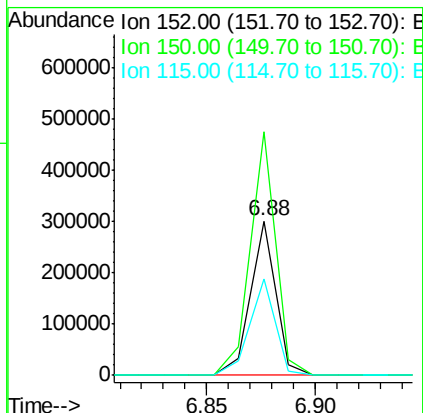
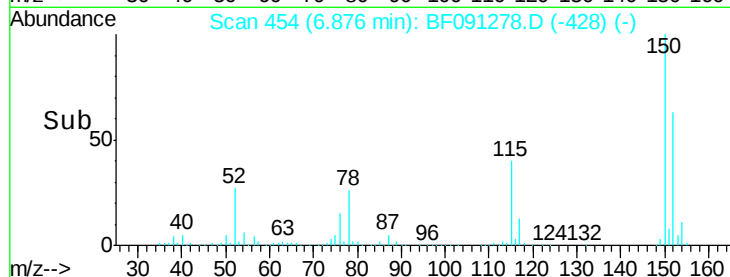
115 62.7 51.8 77.8



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: 20.56 ng

RT: 5.48 min Scan# 332

Delta R.T. 0.01 min

Lab File: BF091278.D

Acq: 23 Nov 2016 16:18

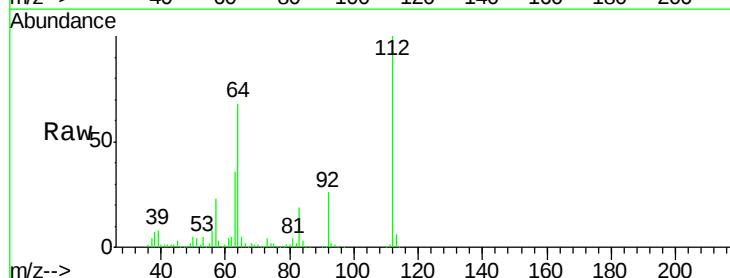
Tgt Ion:112 Resp: 312547

Ion Ratio Lower Upper

112 100

64 68.2 61.5 92.3

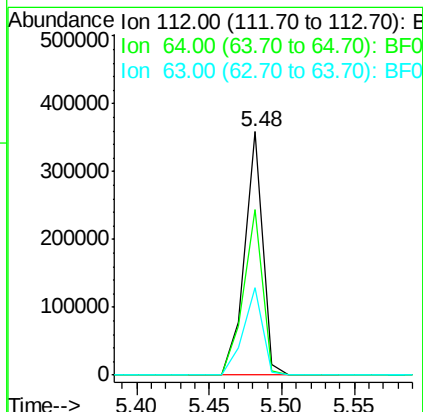
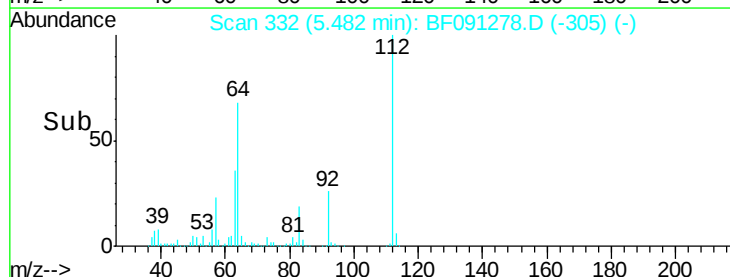
63 36.1 33.3 49.9

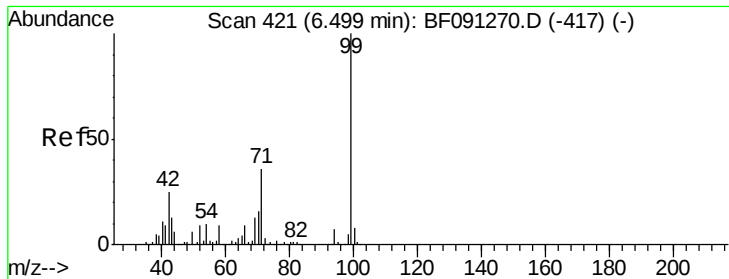


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 13.22 ng

RT: 6.49 min Scan# 420

Delta R.T. -0.01 min

Lab File: BF091278.D

Acq: 23 Nov 2016 16:18

Instrument :

BNA_F

ClientSampleId :

GROUNDWATER

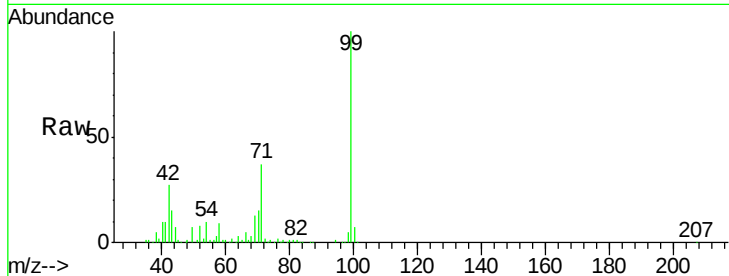
Tgt Ion: 99 Resp: 258145

Ion Ratio Lower Upper

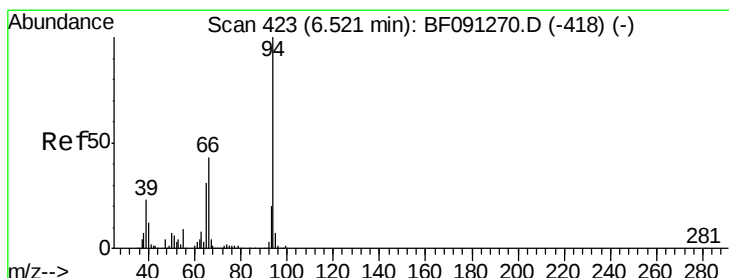
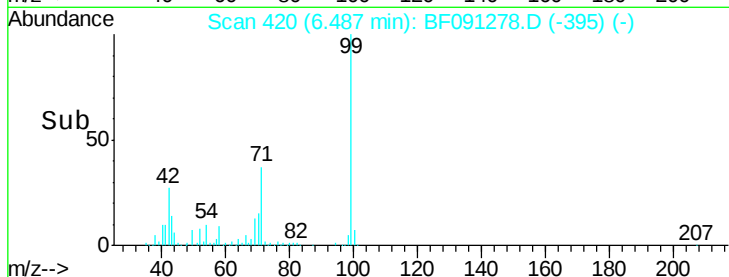
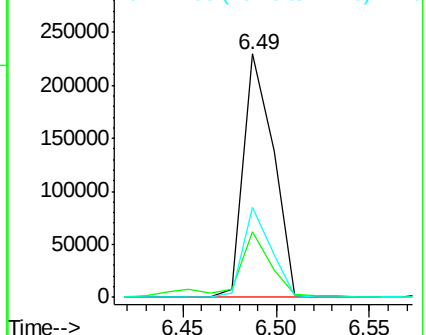
99 100

42 26.8 20.6 31.0

71 37.1 29.9 44.9



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



#10

Phenol

Concen: 11.27 ng

RT: 6.51 min Scan# 422

Delta R.T. -0.01 min

Lab File: BF091278.D

Acq: 23 Nov 2016 16:18

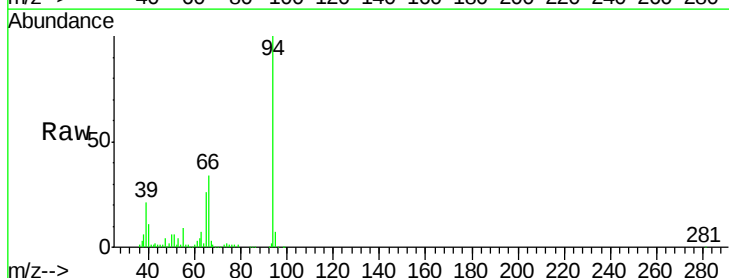
Tgt Ion: 94 Resp: 245496

Ion Ratio Lower Upper

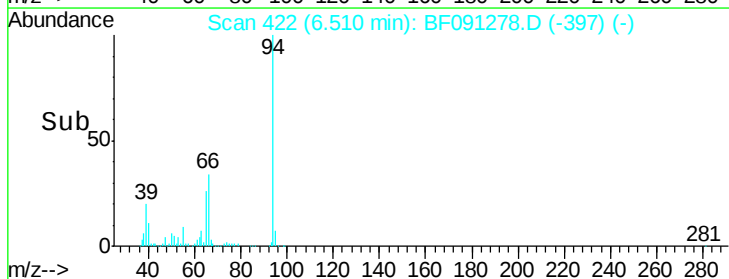
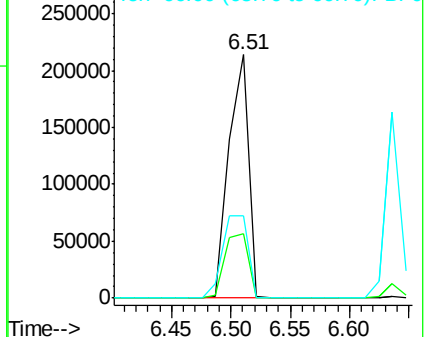
94 100

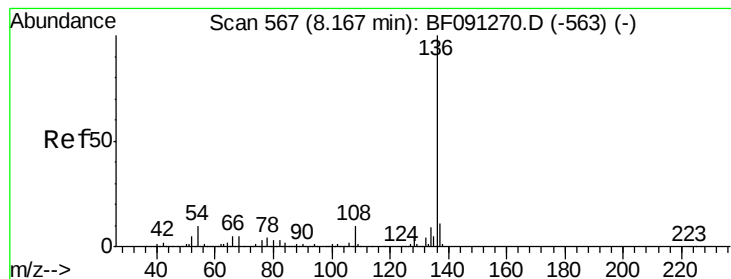
65 26.2 16.9 56.9

66 33.7 30.6 70.6



Abundance Ion 94.00 (93.70 to 94.70): BF0
Ion 65.00 (64.70 to 65.70): BF0
Ion 66.00 (65.70 to 66.70): BF0





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.16 min Scan# 566

Delta R.T. -0.01 min

Lab File: BF091278.D

Acq: 23 Nov 2016 16:18

Instrument :

BNA_F

ClientSampleId :

GROUNDWATER

Tgt Ion:136 Resp: 937389

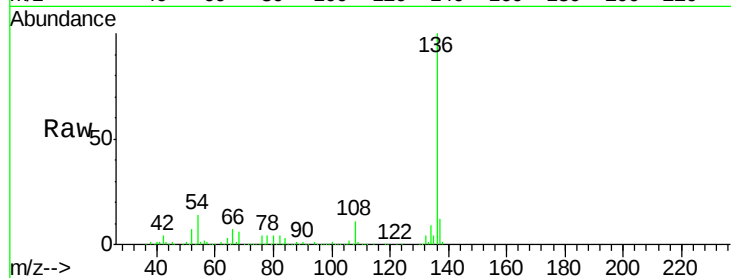
Ion Ratio Lower Upper

136 100

137 11.7 9.1 13.7

54 14.0 9.1 13.7#

68 6.4 5.9 8.9

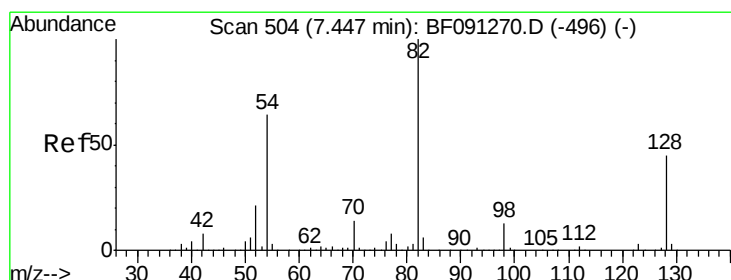
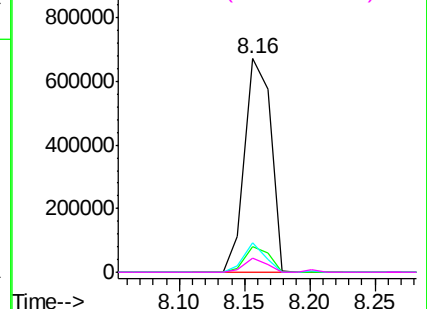
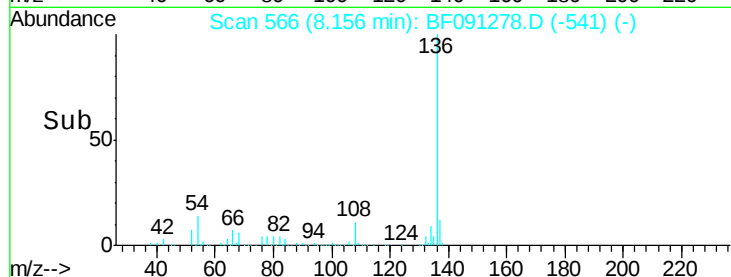


Abundance Ion 136.00 (135.70 to 136.70): E

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: 46.88 ng

RT: 7.44 min Scan# 503

Delta R.T. -0.01 min

Lab File: BF091278.D

Acq: 23 Nov 2016 16:18

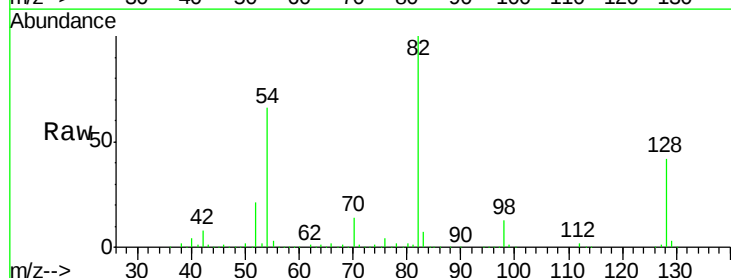
Tgt Ion: 82 Resp: 763261

Ion Ratio Lower Upper

82 100

128 41.9 31.8 47.6

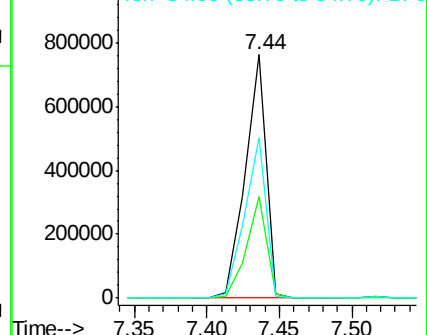
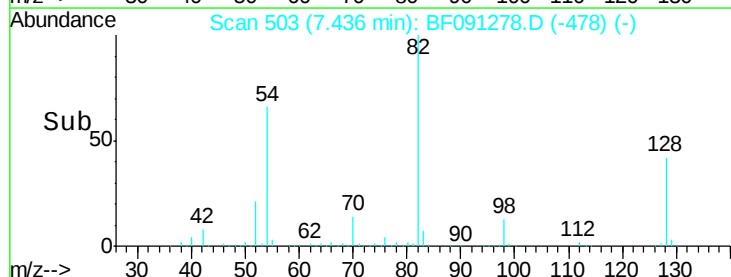
54 65.9 49.1 73.7

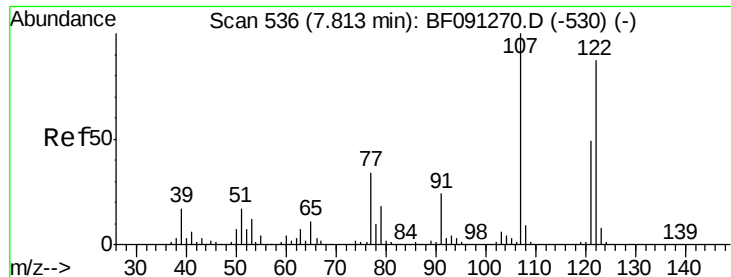


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0





#27

2,4-Dimethylphenol

Concen: 3.85 ng

RT: 7.88 min Scan# 542

Delta R.T. 0.07 min

Lab File: BF091278.D

Acq: 23 Nov 2016 16:18

Instrument :

BNA_F

ClientSampleId :

GROUNDWATER

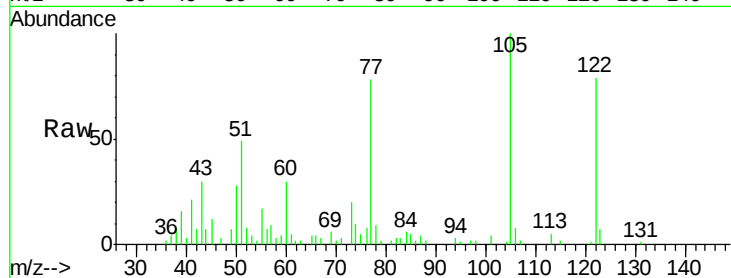
Tgt Ion:122 Resp: 55897

Ion Ratio Lower Upper

122 100

107 3.0 96.8 145.2#

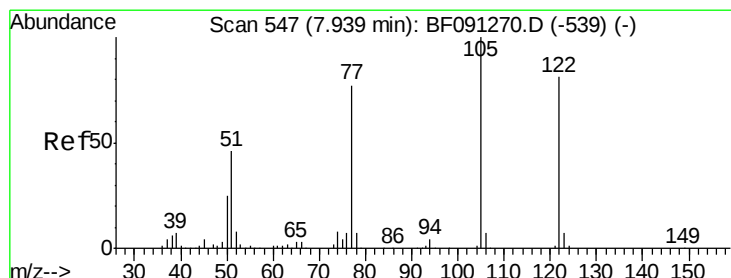
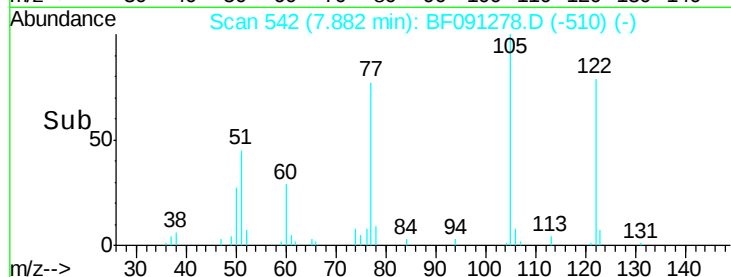
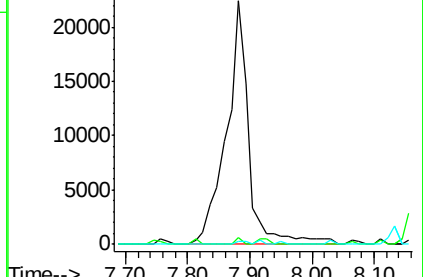
121 1.4 47.7 71.5#



Abundance Ion 122.00 (121.70 to 122.70): E

Ion 107.00 (106.70 to 107.70): E

Ion 121.00 (120.70 to 121.70): E



#32

Benzoic acid

Concen: 4.89 ng

RT: 7.88 min Scan# 542

Delta R.T. -0.06 min

Lab File: BF091278.D

Acq: 23 Nov 2016 16:18

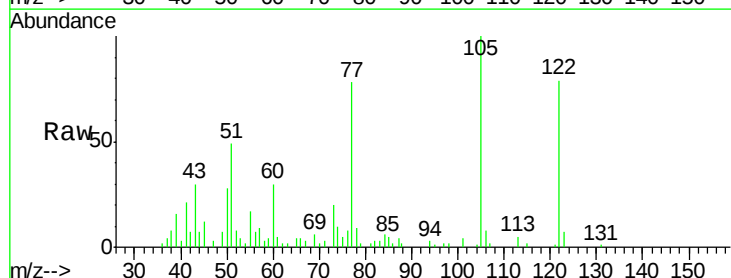
Tgt Ion:122 Resp: 55897

Ion Ratio Lower Upper

122 100

105 126.0 113.0 153.0

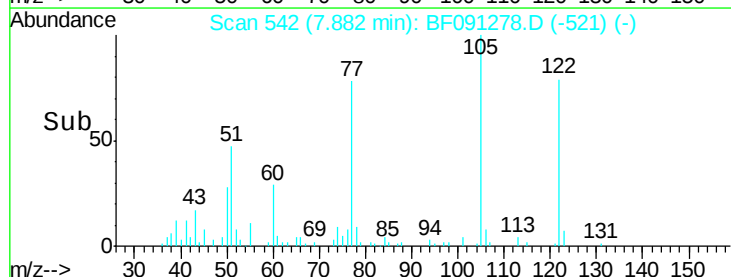
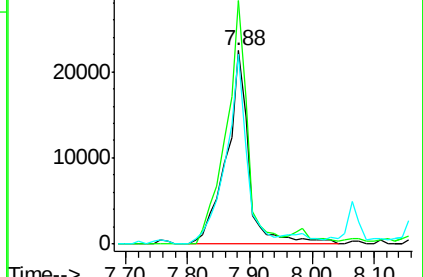
77 98.5 82.0 122.0

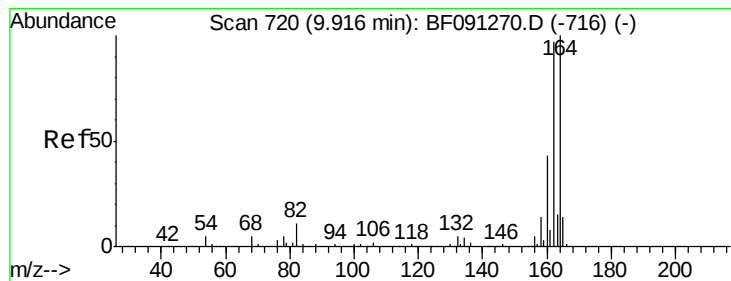


Abundance Ion 122.00 (121.70 to 122.70): E

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: 9.92 min Scan# 720

Delta R.T. 0.00 min

Lab File: BF091278.D

Acq: 23 Nov 2016 16:18

Instrument :

BNA_F

ClientSampleId :

GROUNDWATER

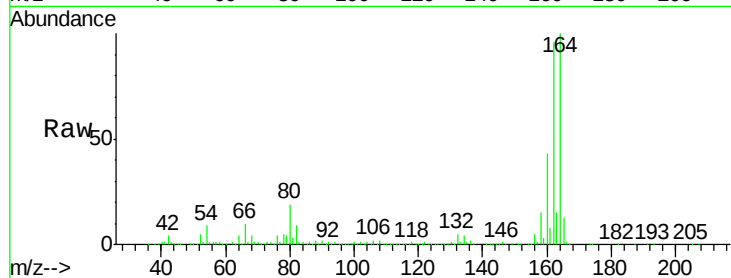
Tgt Ion:164 Resp: 516506

Ion Ratio Lower Upper

164 100

162 95.9 82.6 124.0

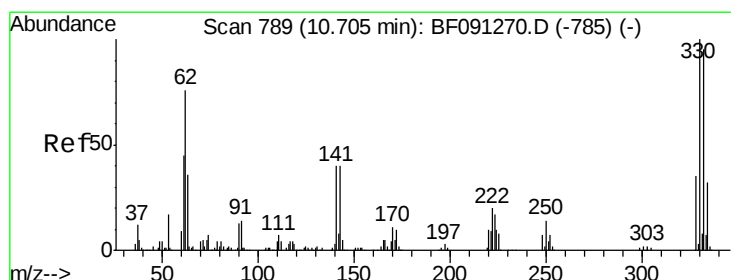
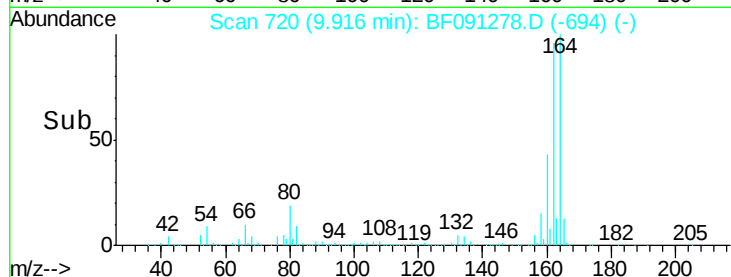
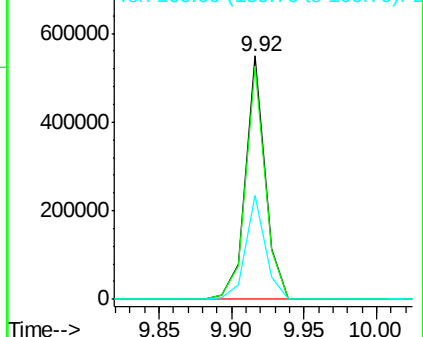
160 42.6 36.7 55.1



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: 36.21 ng

RT: 10.70 min Scan# 789

Delta R.T. 0.00 min

Lab File: BF091278.D

Acq: 23 Nov 2016 16:18

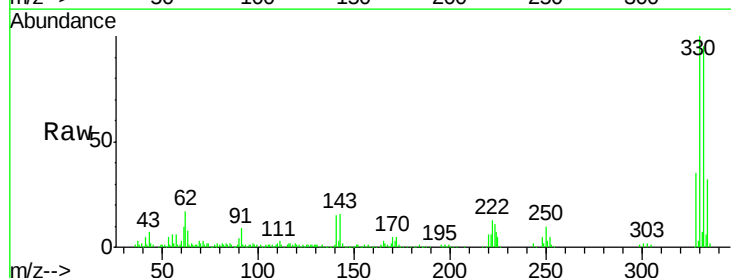
Tgt Ion:330 Resp: 188605

Ion Ratio Lower Upper

330 100

332 95.8 76.2 114.4

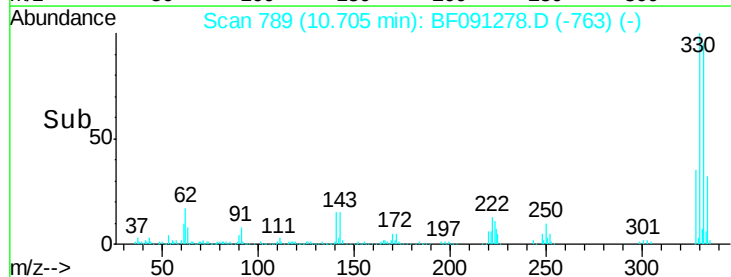
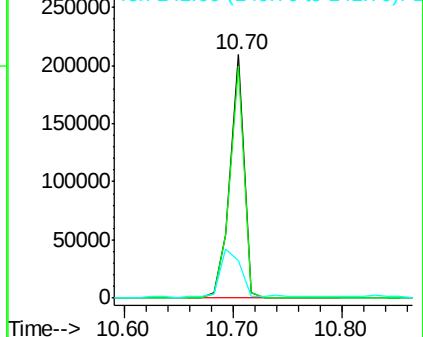
141 29.1 33.6 50.4#

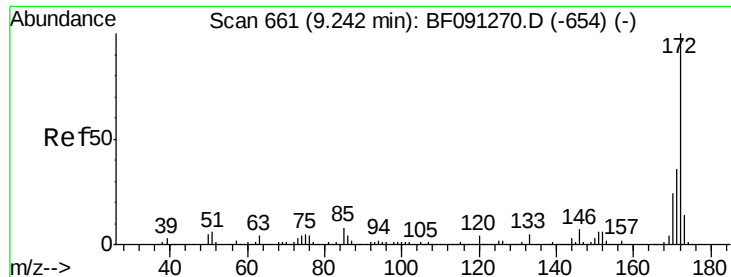


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E





#44

2-Fluorobiphenyl

Concen: 44.23 ng

RT: 9.24 min Scan# 661

Delta R.T. 0.00 min

Lab File: BF091278.D

Acq: 23 Nov 2016 16:18

Instrument :

BNA_F

ClientSampleId :

GROUNDWATER

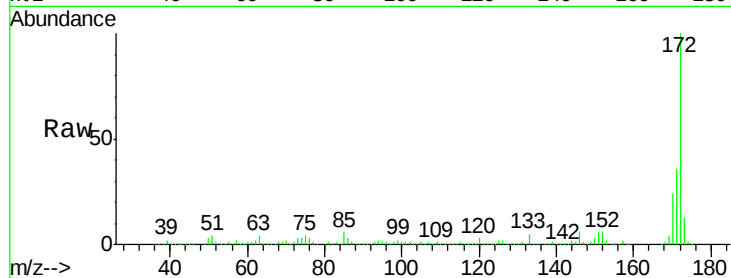
Tgt Ion:172 Resp: 1395160

Ion Ratio Lower Upper

172 100

171 36.2 29.4 44.0

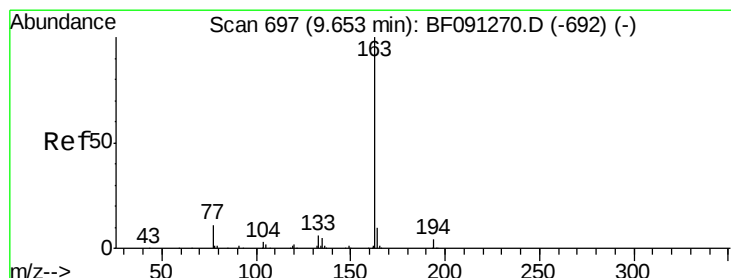
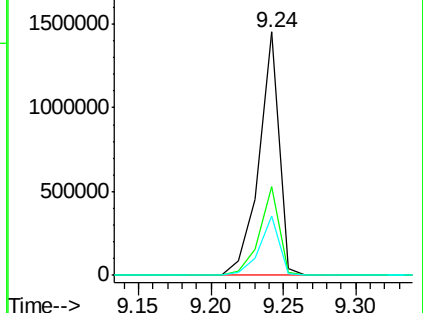
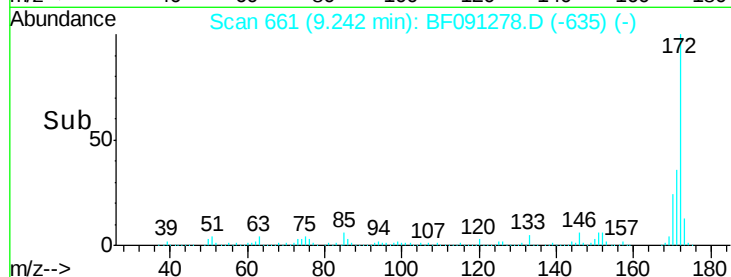
170 24.4 19.7 29.5



Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E



#49

Dimethylphthalate

Concen: 3.26 ng

RT: 9.63 min Scan# 695

Delta R.T. -0.02 min

Lab File: BF091278.D

Acq: 23 Nov 2016 16:18

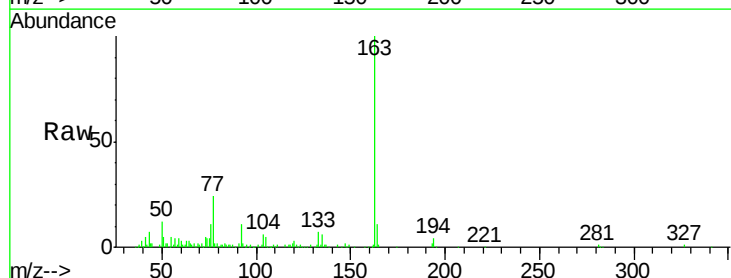
Tgt Ion:163 Resp: 105030

Ion Ratio Lower Upper

163 100

194 3.5 3.0 4.4

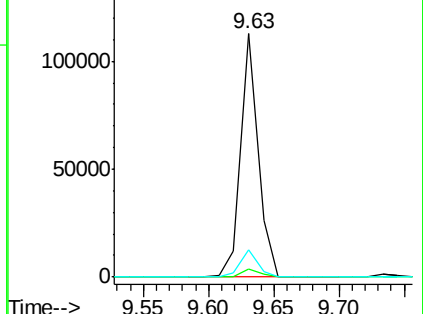
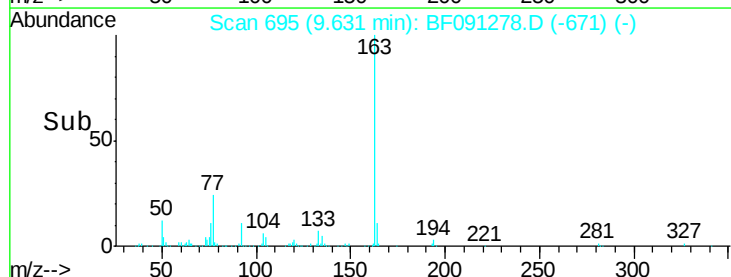
164 11.0 7.8 11.8

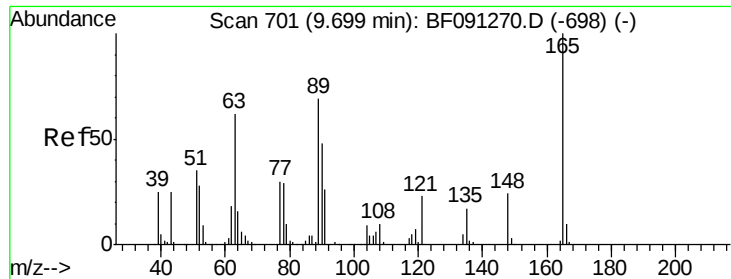


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E

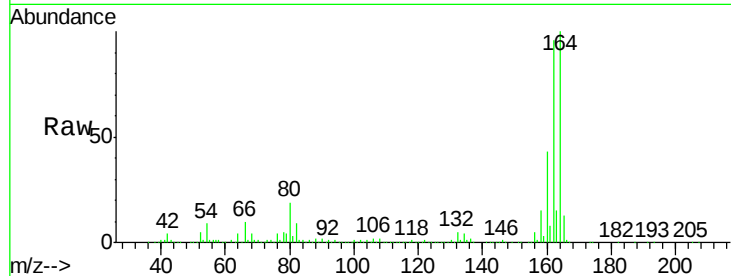




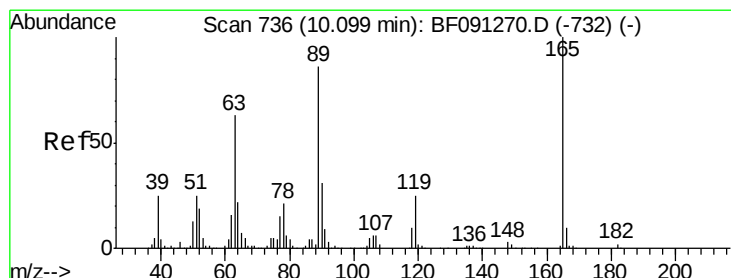
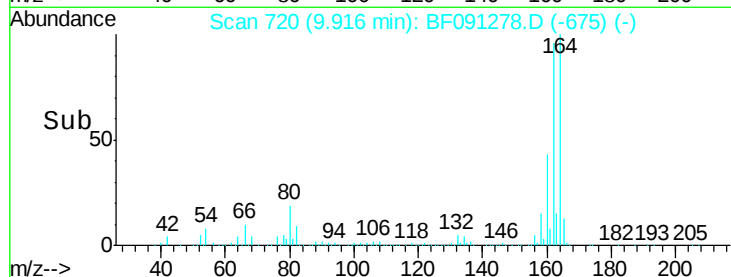
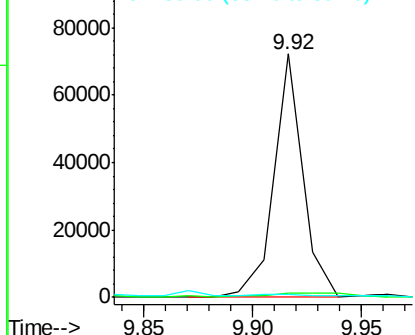
#50
 2,6-Dinitrotoluene
 Concen: 9.62 ng
 RT: 9.92 min Scan# 720
 Delta R.T. 0.22 min
 Lab File: BF091278.D
 Acq: 23 Nov 2016 16:18

Instrument :
 BNA_F
 ClientSampleId :
 GROUNDWATER

Tgt Ion:165 Resp: 67779
 Ion Ratio Lower Upper
 165 100
 63 1.5 59.4 89.0#
 89 1.5 50.8 76.2#

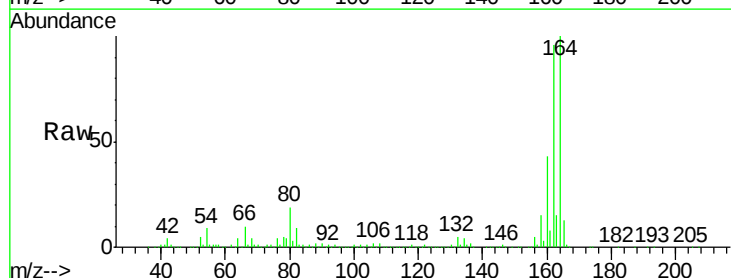


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF0
 Ion 89.00 (88.70 to 89.70): BF0

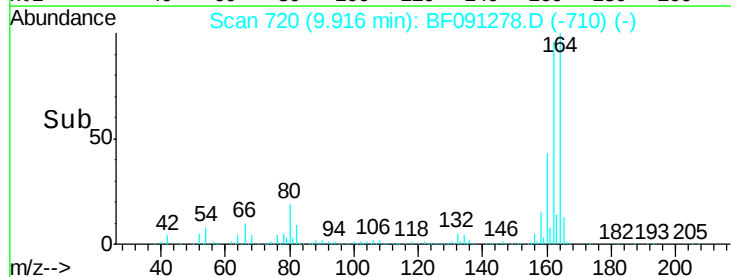
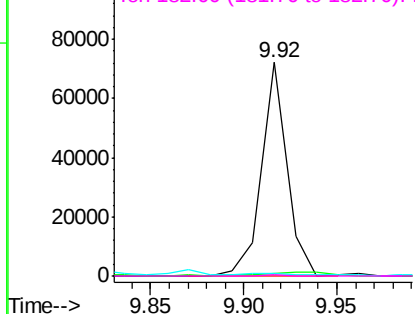


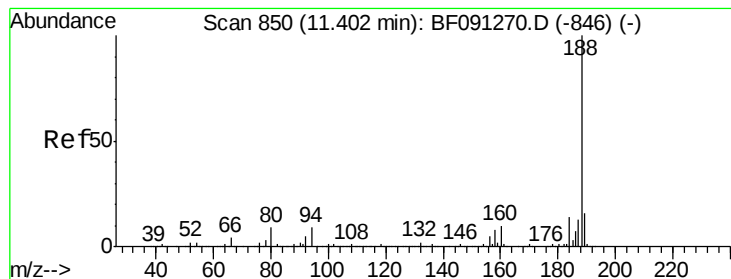
#56
 2,4-Dinitrotoluene
 Concen: 7.63 ng
 RT: 9.92 min Scan# 720
 Delta R.T. -0.18 min
 Lab File: BF091278.D
 Acq: 23 Nov 2016 16:18

Tgt Ion:165 Resp: 68009
 Ion Ratio Lower Upper
 165 100
 63 1.5 29.0 43.4#
 89 1.5 43.1 64.7#
 182 0.7 1.9 2.9#



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: 11.40 min Scan# 850

Delta R.T. 0.00 min

Lab File: BF091278.D

Acq: 23 Nov 2016 16:18

Instrument :

BNA_F

ClientSampleId :

GROUNDWATER

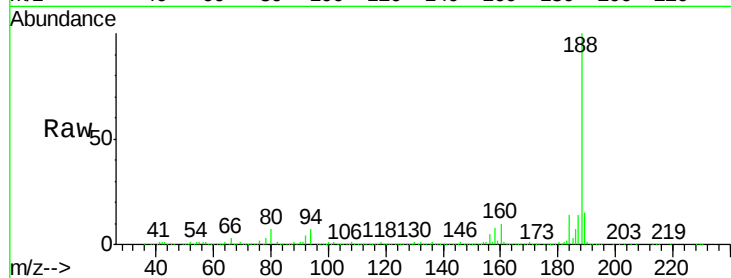
Tgt Ion:188 Resp: 862372

Ion Ratio Lower Upper

188 100

94 6.9 9.2 13.8#

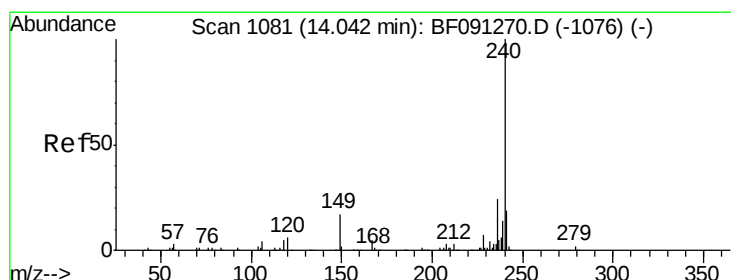
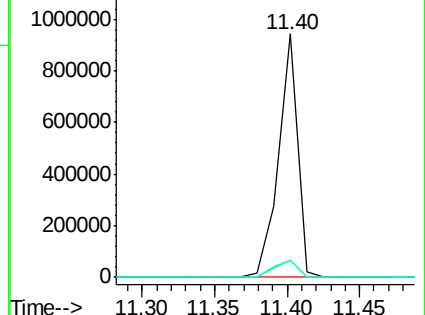
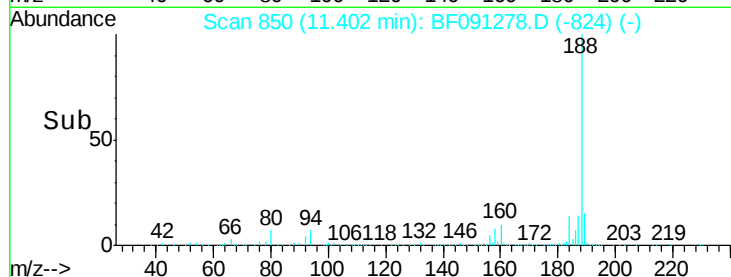
80 7.2 10.5 15.7#



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



#75

Chrysene-d12

Concen: 20.00 ng

RT: 14.03 min Scan# 1080

Delta R.T. -0.01 min

Lab File: BF091278.D

Acq: 23 Nov 2016 16:18

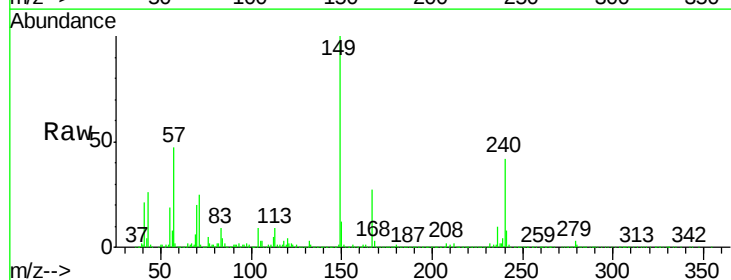
Tgt Ion:240 Resp: 514107

Ion Ratio Lower Upper

240 100

120 9.2 12.1 18.1#

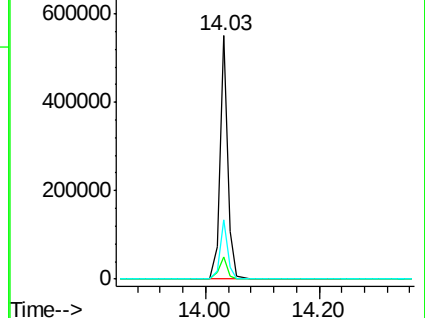
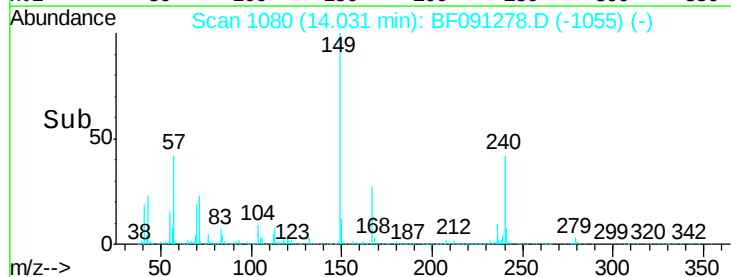
236 24.2 21.0 31.6

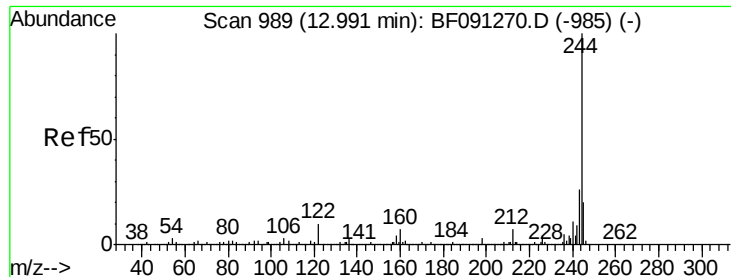


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#78

Terphenyl-d14

Concen: 32.71 ng

RT: 12.98 min Scan# 988

Delta R.T. -0.01 min

Lab File: BF091278.D

Acq: 23 Nov 2016 16:18

Instrument :

BNA_F

ClientSampleId :

GROUNDWATER

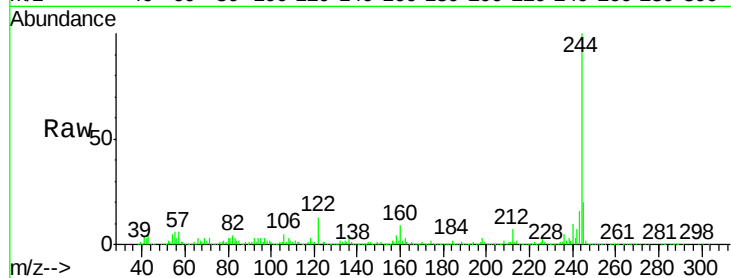
Tgt Ion:244 Resp: 736411

Ion Ratio Lower Upper

244 100

212 7.5 6.5 9.7

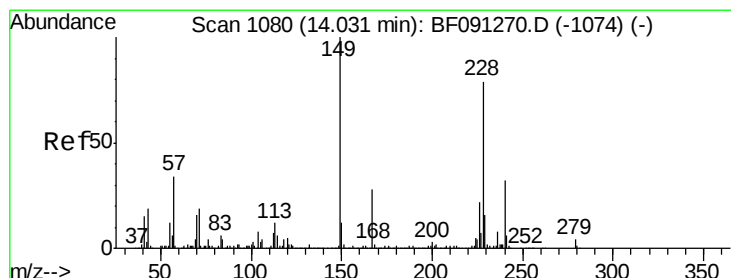
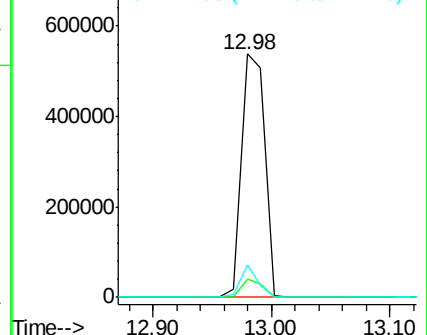
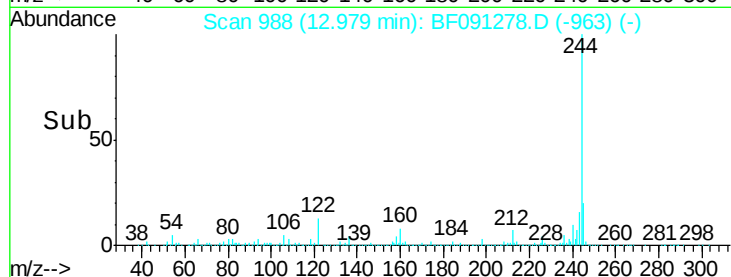
122 13.4 9.5 14.3



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



#83

Bis(2-ethylhexyl)phthalate

Concen: 67.64 ng

RT: 14.03 min Scan# 1080

Delta R.T. 0.00 min

Lab File: BF091278.D

Acq: 23 Nov 2016 16:18

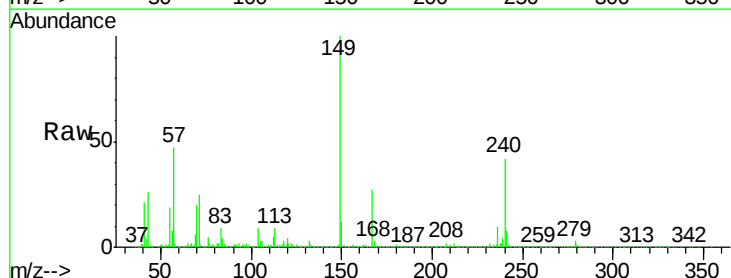
Tgt Ion:149 Resp: 1280086

Ion Ratio Lower Upper

149 100

167 27.0 19.6 29.4

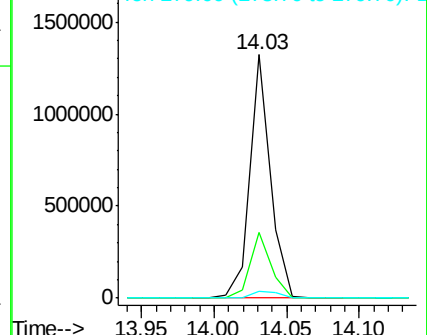
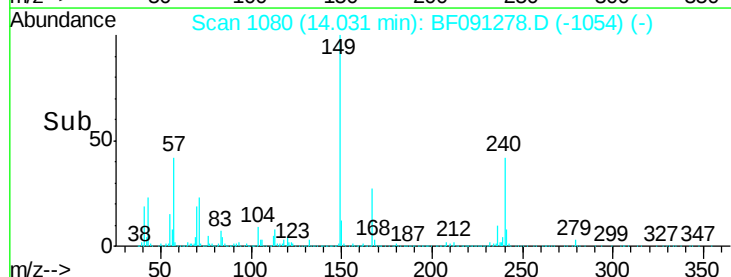
279 3.0 1.9 2.9#

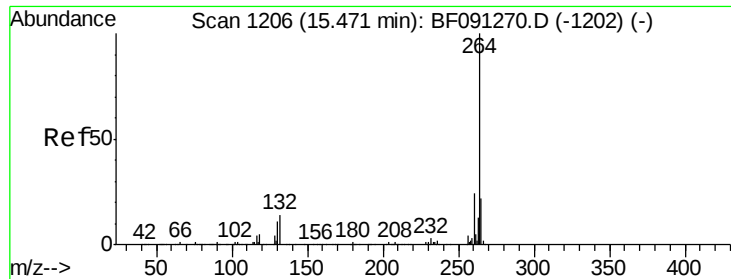


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E





#86
Perylene-d12
Concen: 20.00 ng
RT: 15.47 min Scan# 1206
Delta R.T. 0.00 min
Lab File: BF091278.D
Acq: 23 Nov 2016 16:18

Instrument :
BNA_F
ClientSampleId :
GROUNDWATER

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.4	18.8	28.2
265	21.9	17.0	25.6

