

Data Path : Z:\HPCHEM1\BNA F\DATA\BF112816\
 Data File : BF091313.D
 Acq On : 28 Nov 2016 15:18
 Operator : UM/SJ
 Sample : H5696-01
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 GROUNDWATER

Quant Time: Nov 28 18:20:28 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

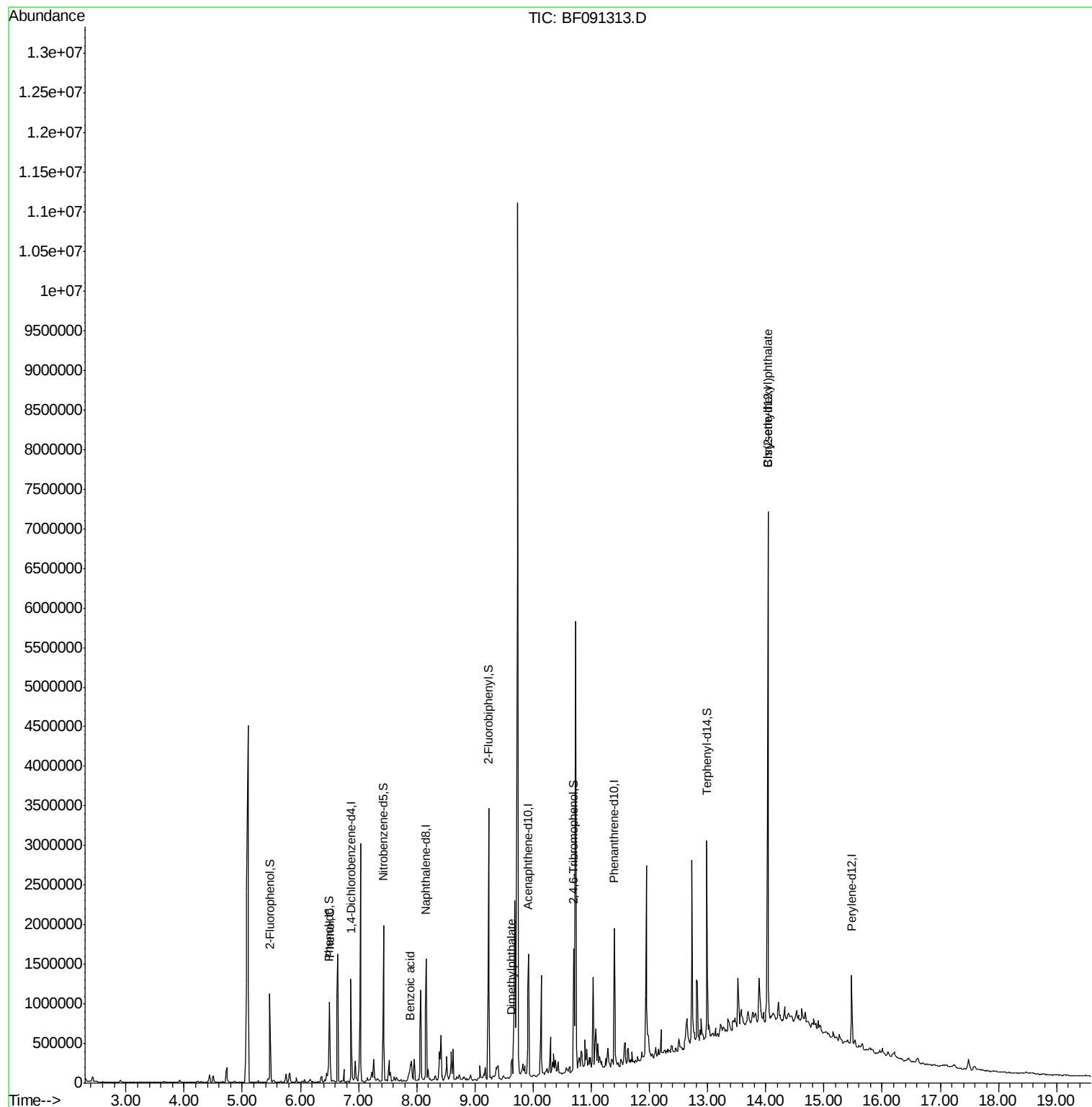
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.87	152	194735	20.00	ng	0.00
21) Naphthalene-d8	8.16	136	841762	20.00	ng	0.00
38) Acenaphthene-d10	9.92	164	470498	20.00	ng	0.00
63) Phenanthrene-d10	11.40	188	733642	20.00	ng	0.00
75) Chrysene-d12	14.04	240	486880	20.00	ng	0.00
86) Perylene-d12	15.48	264	450413	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.48	112	299561	24.72	ng	0.00
7) Phenol-d6	6.49	99	268722	17.26	ng	0.00
23) Nitrobenzene-d5	7.43	82	677193	46.31	ng	-0.02
41) 2,4,6-Tribromophenol	10.70	330	175018	36.89	ng	0.00
44) 2-Fluorobiphenyl	9.24	172	1325114	46.12	ng	0.00
78) Terphenyl-d14	12.99	244	834264	39.13	ng	0.00
Target Compounds						
10) Phenol	6.50	94	244029	14.05	ng	94
32) Benzoic acid	7.89	122	60939	5.94	ng	91
49) Dimethylphthalate	9.64	163	110620	3.77	ng	# 99
83) Bis(2-ethylhexyl)phthalate	14.04	149	1440078	80.35	ng	# 94

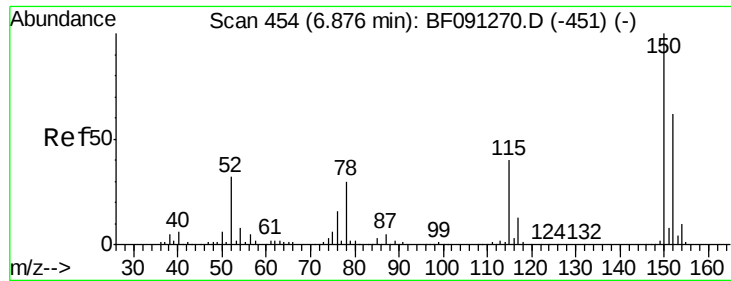
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Wed Nov 23 13:22:53 2016
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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.87 min Scan# 401

Delta R.T. -0.01 min

Lab File: BF091313.D

Acq: 28 Nov 2016 15:18

Instrument :

BNA_F

ClientSampleId :

GROUNDWATER

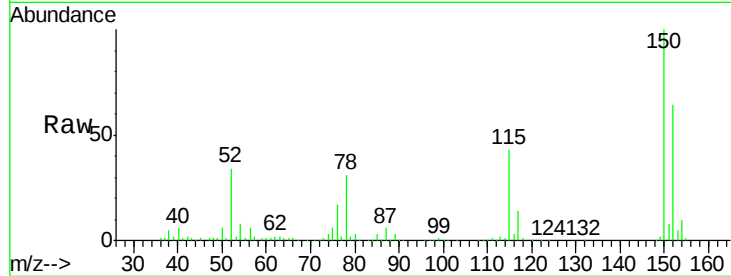
Tot Ion:152 Resp: 194735

Ion Ratio Lower Upper

152 100

150 156.7 122.5 183.7

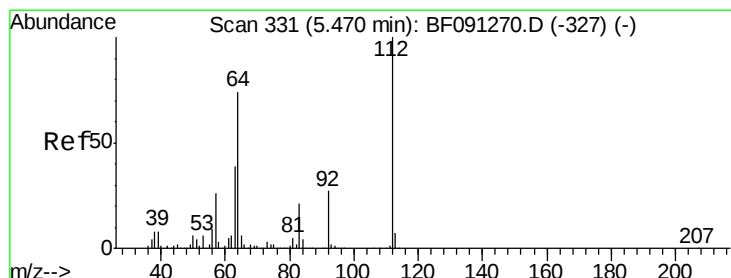
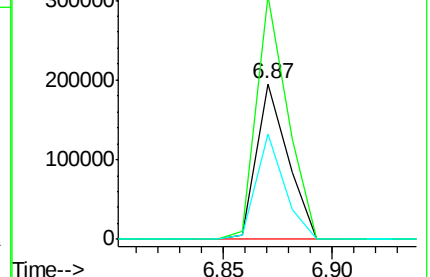
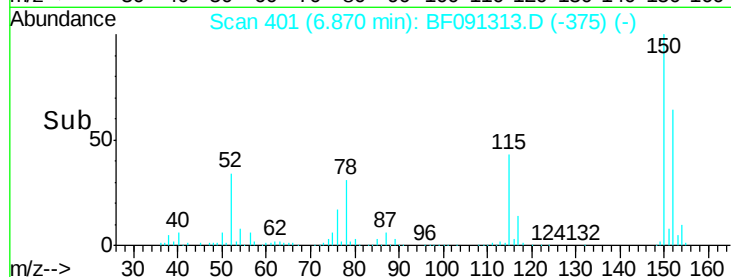
115 67.4 51.8 77.8



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: 24.72 ng

RT: 5.48 min Scan# 279

Delta R.T. 0.01 min

Lab File: BF091313.D

Acq: 28 Nov 2016 15:18

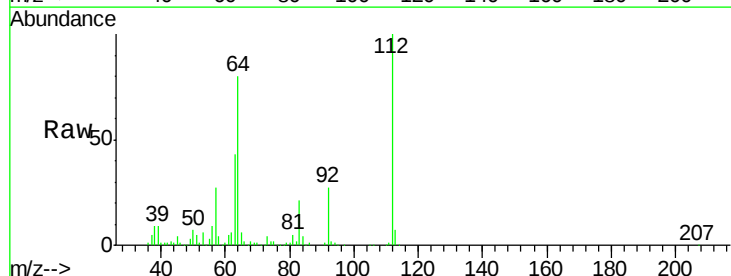
Tgt Ion:112 Resp: 299561

Ion Ratio Lower Upper

112 100

64 79.7 61.5 92.3

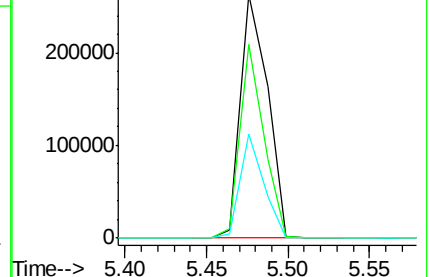
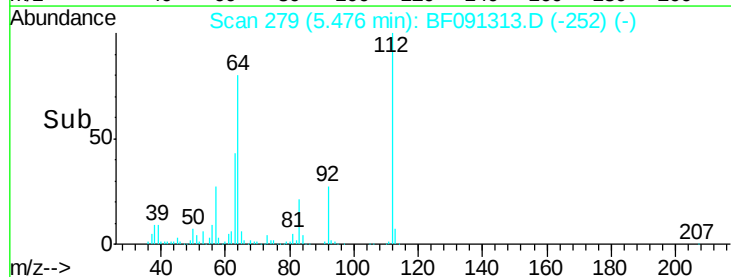
63 42.5 33.3 49.9

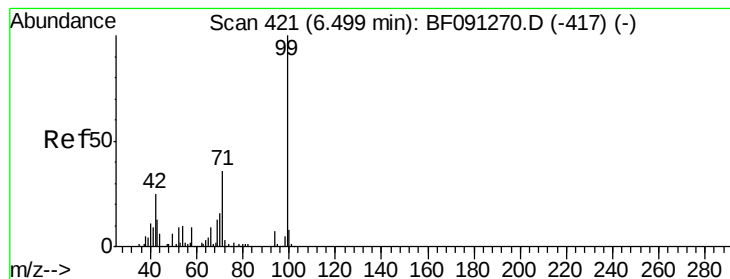


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 17.26 ng

RT: 6.49 min Scan# 368

Delta R.T. -0.01 min

Lab File: BF091313.D

Acq: 28 Nov 2016 15:18

Instrument :

BNA_F

ClientSampleId :

GROUNDWATER

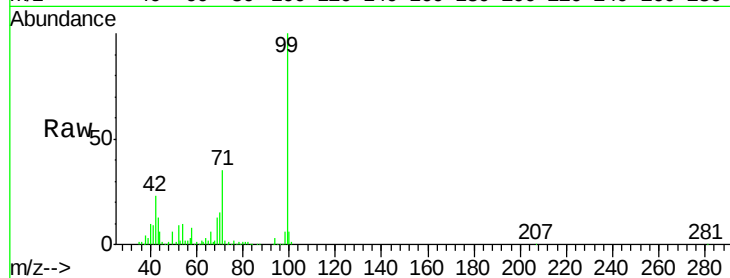
Tot Ion: 99 Resp: 268722

Ion Ratio Lower Upper

99 100

42 23.5 20.6 31.0

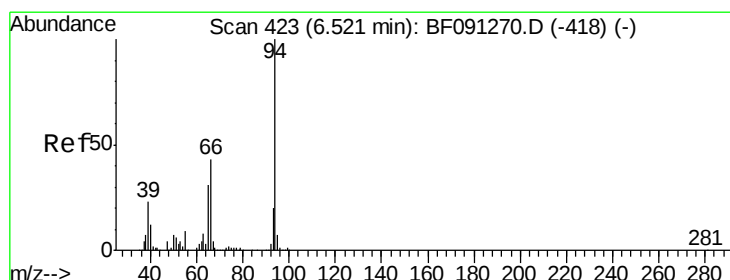
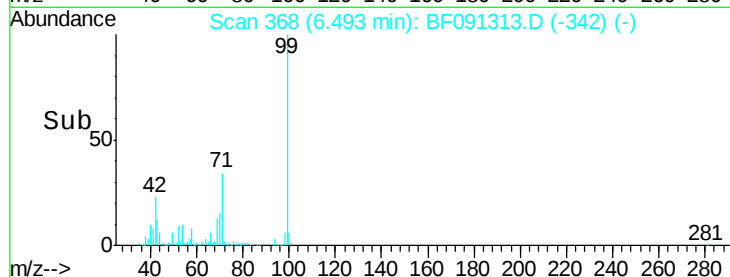
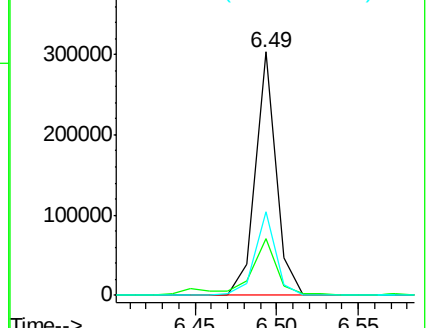
71 34.5 29.9 44.9



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: 14.05 ng

RT: 6.50 min Scan# 369

Delta R.T. -0.02 min

Lab File: BF091313.D

Acq: 28 Nov 2016 15:18

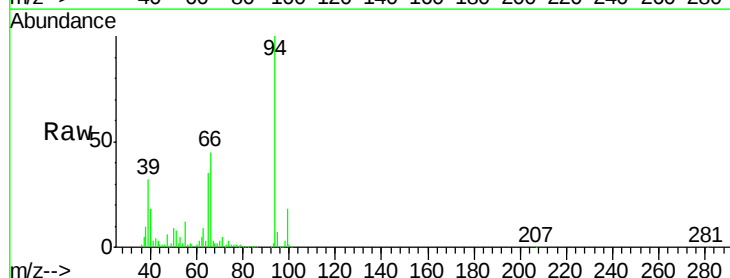
Tgt Ion: 94 Resp: 244029

Ion Ratio Lower Upper

94 100

65 34.5 16.9 56.9

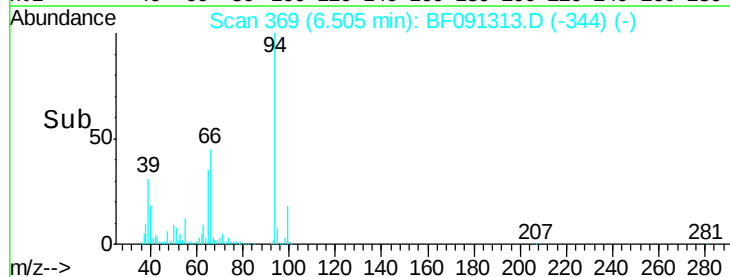
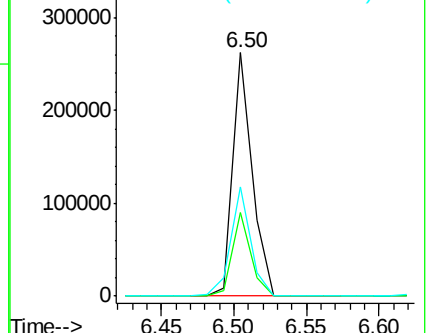
66 45.0 30.6 70.6

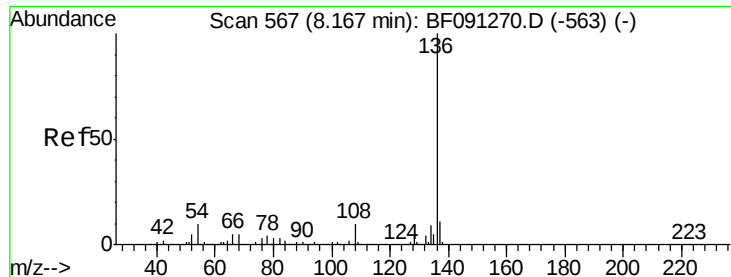


Abundance Ion 94.00 (93.70 to 94.70): BF0

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# 514

Delta R.T. -0.01 min

Lab File: BF091313.D

Acq: 28 Nov 2016 15:18

Instrument :

BNA_F

ClientSampleId :

GROUNDWATER

Tot Ion:136 Resp: 841762

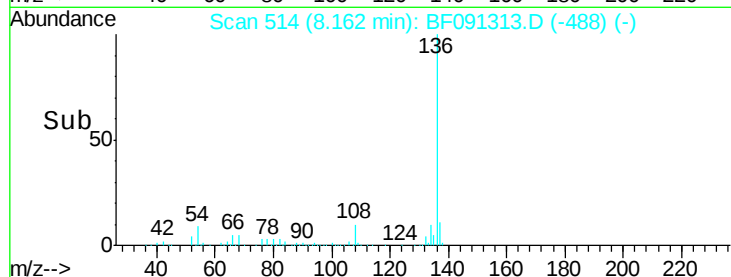
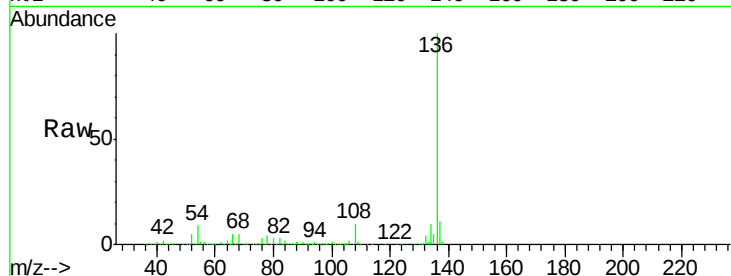
Ion Ratio Lower Upper

136 100

137 10.9 9.1 13.7

54 9.4 9.1 13.7

68 5.1 5.9 8.9#

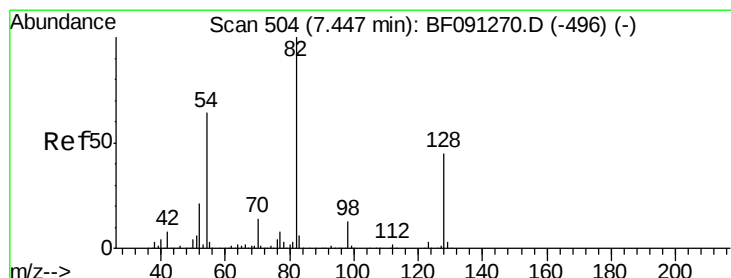
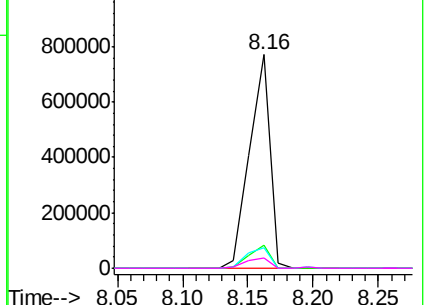


Abundance Ion 136.00 (135.70 to 136.70): E

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: 46.31 ng

RT: 7.43 min Scan# 450

Delta R.T. -0.02 min

Lab File: BF091313.D

Acq: 28 Nov 2016 15:18

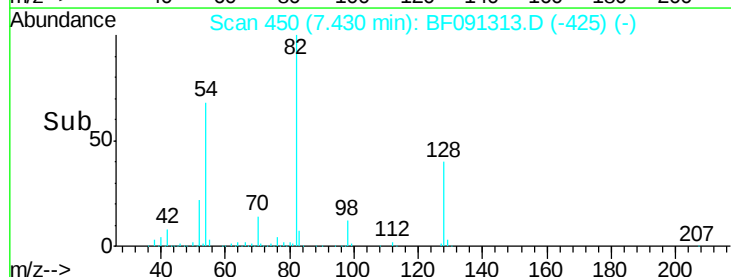
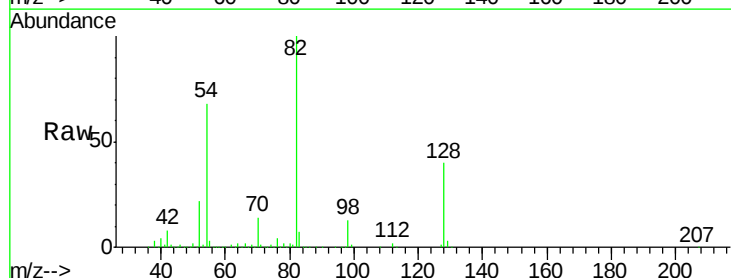
Tgt Ion: 82 Resp: 677193

Ion Ratio Lower Upper

82 100

128 40.2 31.8 47.6

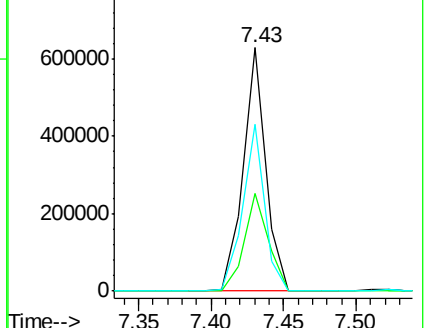
54 68.4 49.1 73.7

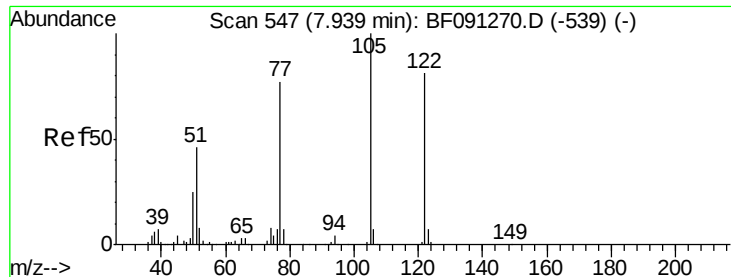


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0





#32

Benzoic acid

Concen: 5.94 ng

RT: 7.89 min Scan# 490

Delta R.T. -0.05 min

Lab File: BF091313.D

Acq: 28 Nov 2016 15:18

Instrument :

BNA_F

ClientSampleId :

GROUNDWATER

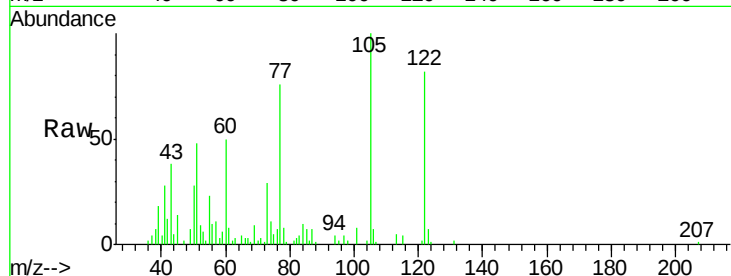
Tot Ion:122 Resp: 60939

Ion Ratio Lower Upper

122 100

105 122.5 113.0 153.0

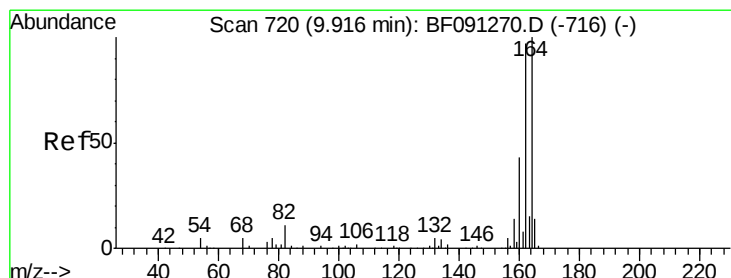
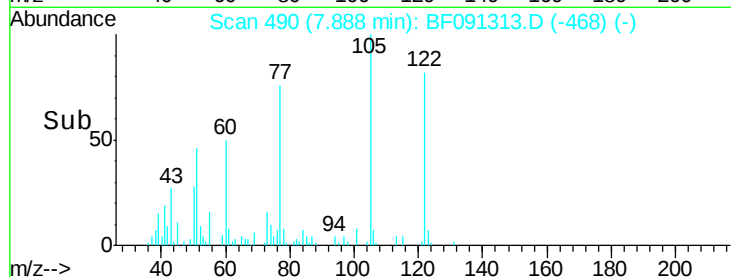
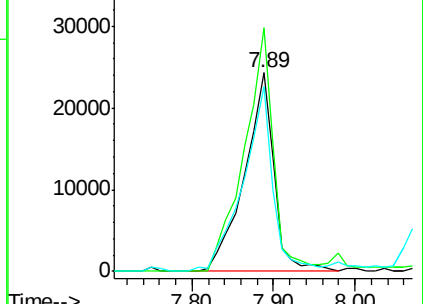
77 93.1 82.0 122.0



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# 668

Delta R.T. 0.01 min

Lab File: BF091313.D

Acq: 28 Nov 2016 15:18

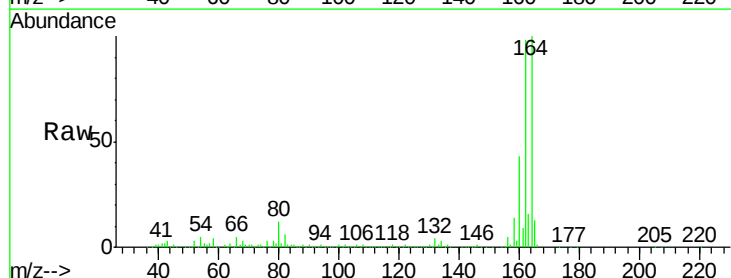
Tgt Ion:164 Resp: 470498

Ion Ratio Lower Upper

164 100

162 97.7 82.6 124.0

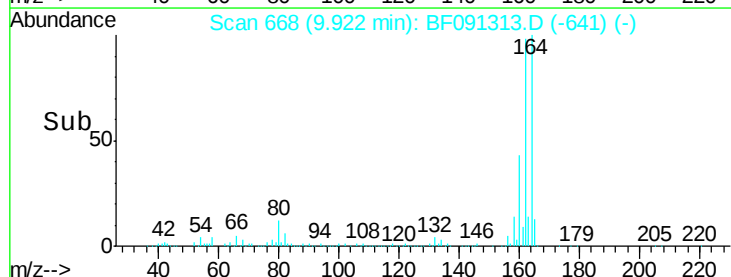
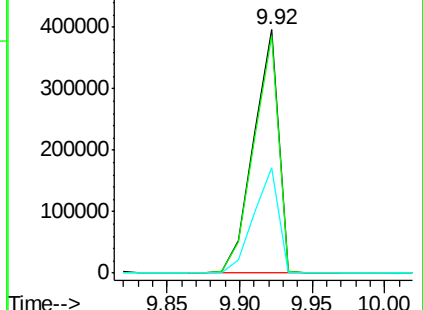
160 43.3 36.7 55.1

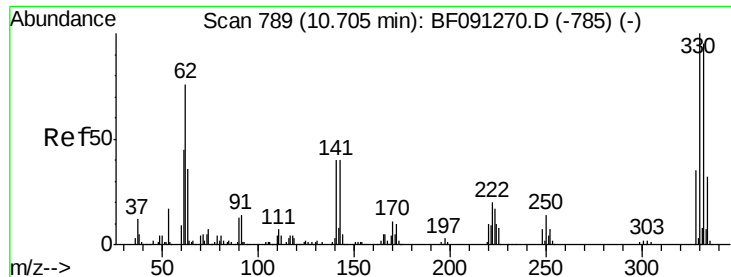


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

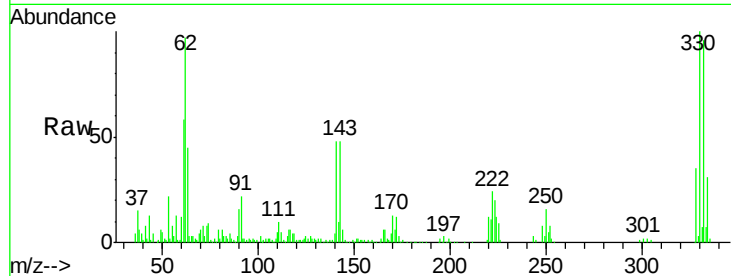




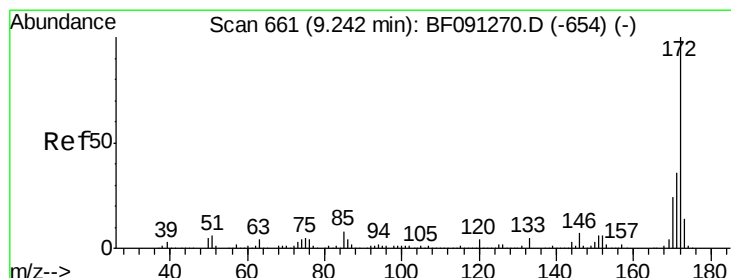
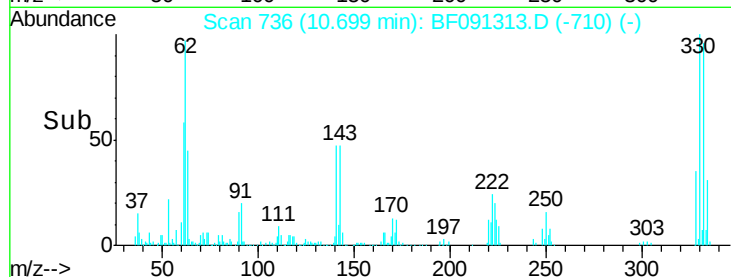
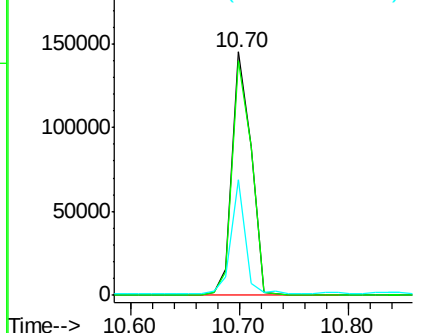
#41
 2,4,6-Tribromophenol
 Concen: 36.89 ng
 RT: 10.70 min Scan# 736
 Delta R.T. -0.01 min
 Lab File: BF091313.D
 Acq: 28 Nov 2016 15:18

Instrument :
 BNA_F
 ClientSampleId :
 GROUNDWATER

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.9	76.2	114.4
141	35.4	33.6	50.4

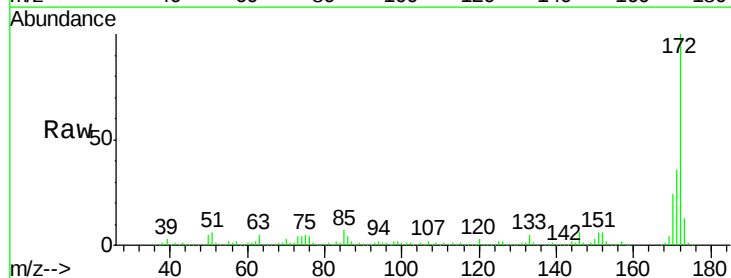


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

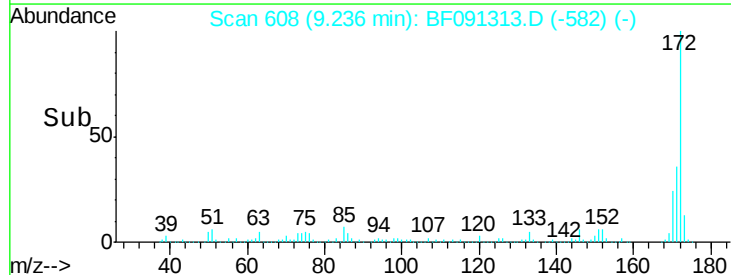
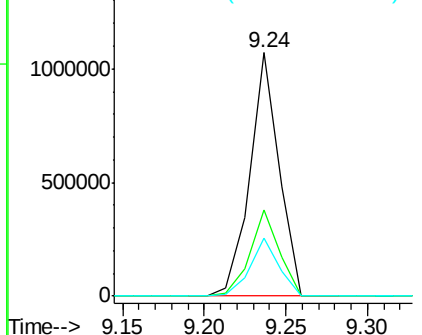


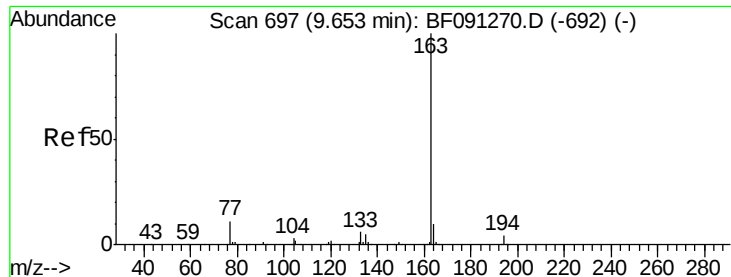
#44
 2-Fluorobiphenyl
 Concen: 46.12 ng
 RT: 9.24 min Scan# 608
 Delta R.T. -0.00 min
 Lab File: BF091313.D
 Acq: 28 Nov 2016 15:18

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.6	29.4	44.0
170	23.9	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: 3.77 ng

RT: 9.64 min Scan# 643

Delta R.T. -0.02 min

Lab File: BF091313.D

Acq: 28 Nov 2016 15:18

Instrument :

BNA_F

ClientSampleId :

GROUNDWATER

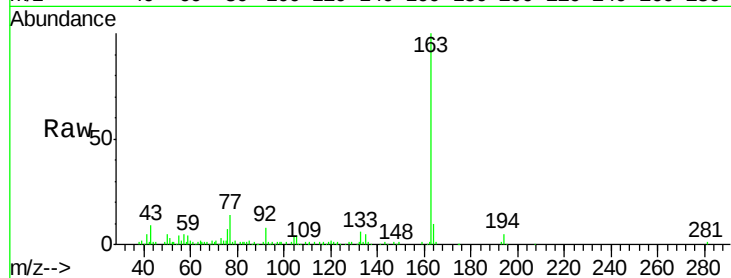
Tot Ion:163 Resp: 110620

Ion Ratio Lower Upper

163 100

194 4.6 3.0 4.4#

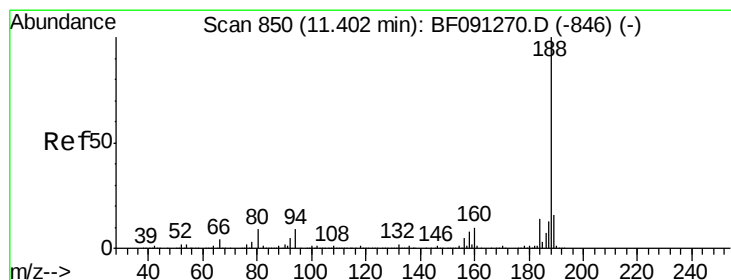
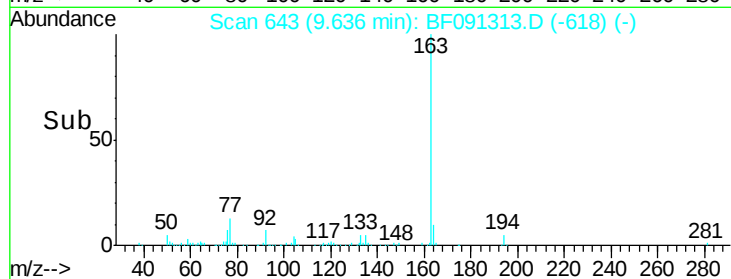
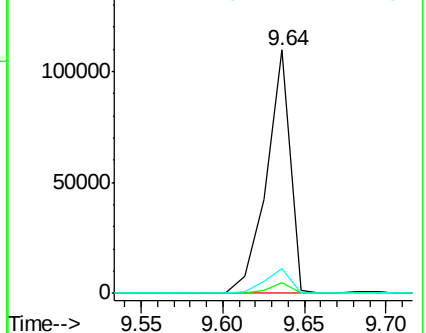
164 10.0 7.8 11.8



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



#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.40 min Scan# 797

Delta R.T. -0.01 min

Lab File: BF091313.D

Acq: 28 Nov 2016 15:18

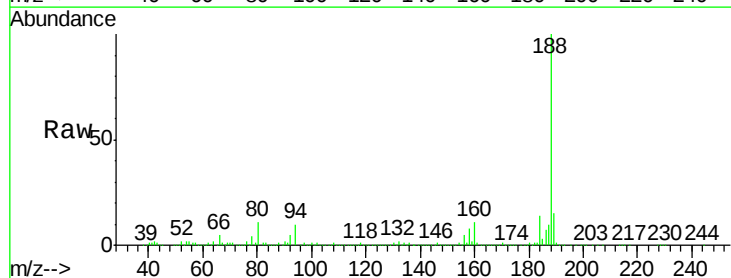
Tgt Ion:188 Resp: 733642

Ion Ratio Lower Upper

188 100

94 9.7 9.2 13.8

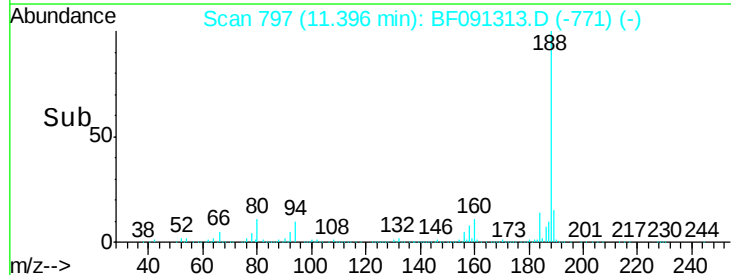
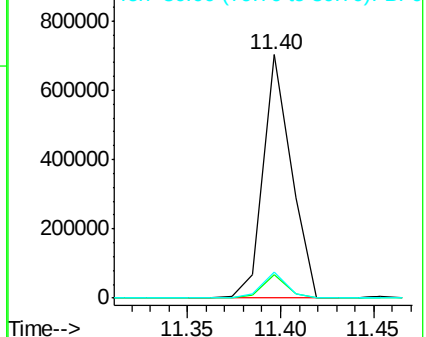
80 10.9 10.5 15.7

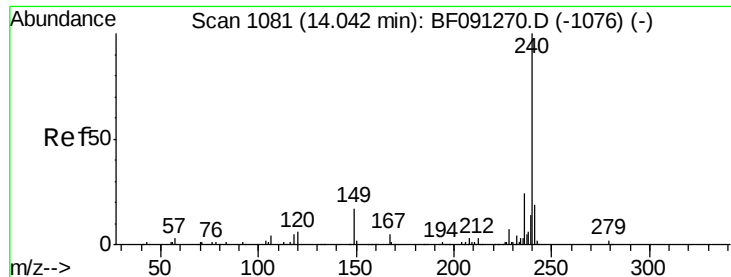


Abundance Ion 188.00 (187.70 to 188.70): E

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: 14.04 min Scan# 1028

Delta R.T. -0.01 min

Lab File: BF091313.D

Acq: 28 Nov 2016 15:18

Instrument :

BNA_F

ClientSampleId :

GROUNDWATER

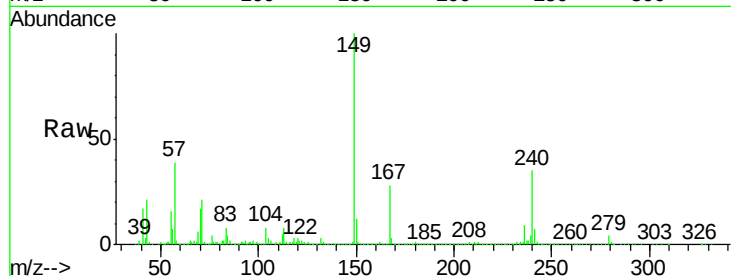
Tot Ion:240 Resp: 486880

Ion Ratio Lower Upper

240 100

120 8.9 12.1 18.1#

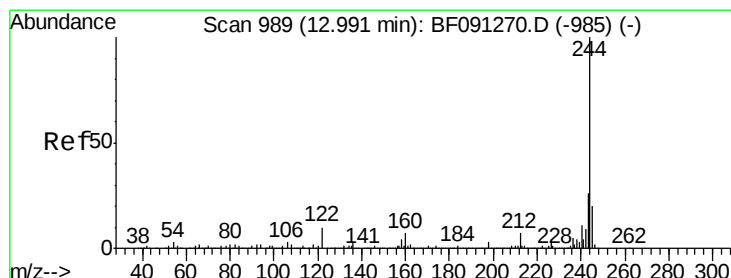
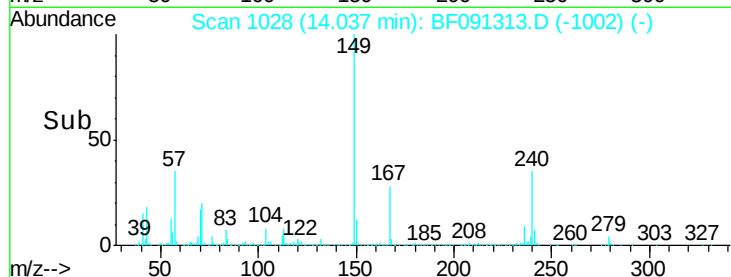
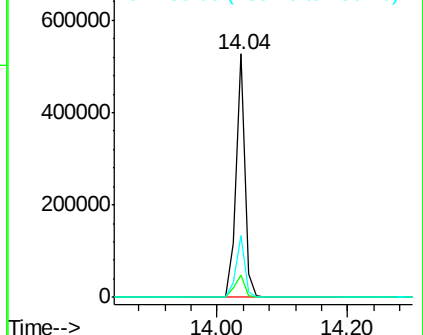
236 25.2 21.0 31.6



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: 39.13 ng

RT: 12.99 min Scan# 936

Delta R.T. -0.01 min

Lab File: BF091313.D

Acq: 28 Nov 2016 15:18

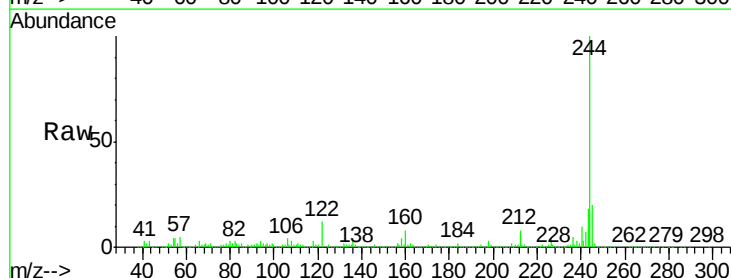
Tgt Ion:244 Resp: 834264

Ion Ratio Lower Upper

244 100

212 7.5 6.5 9.7

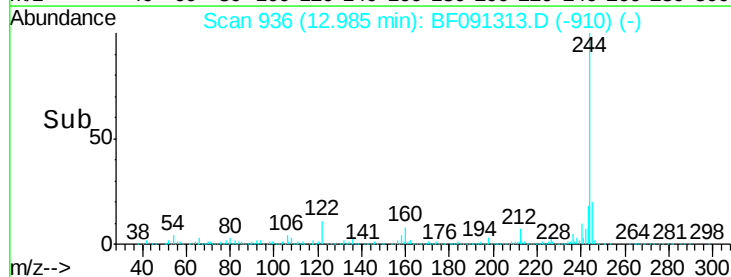
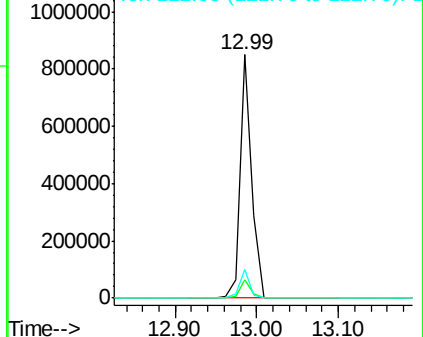
122 11.6 9.5 14.3

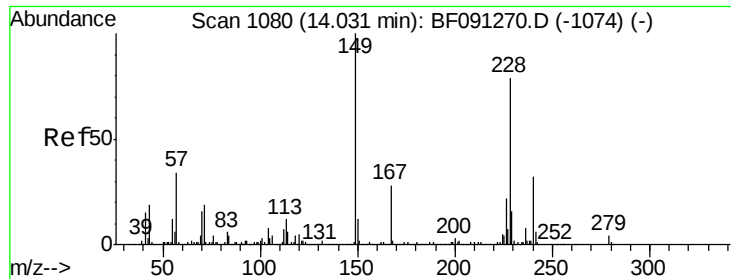


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

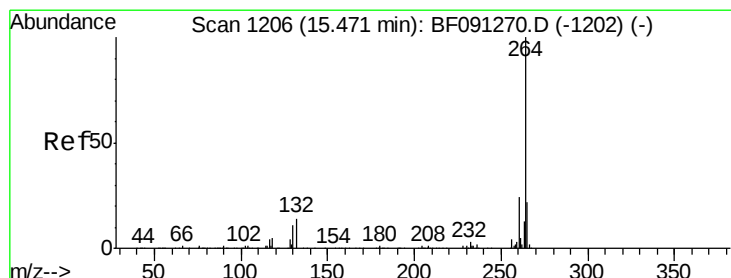
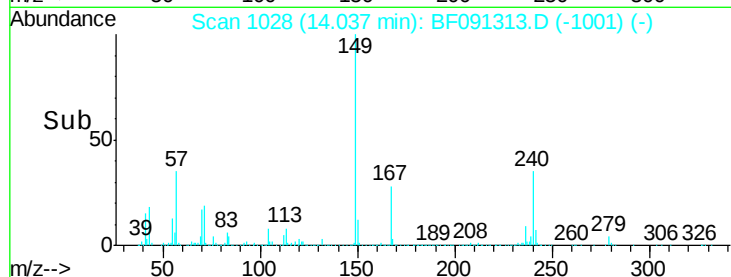
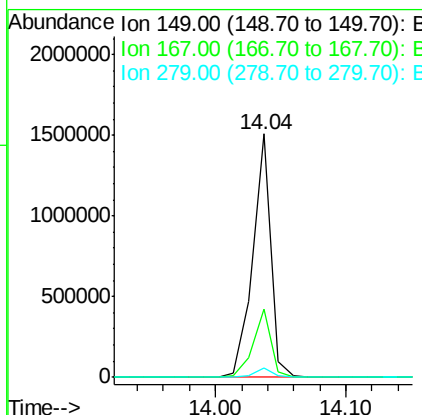
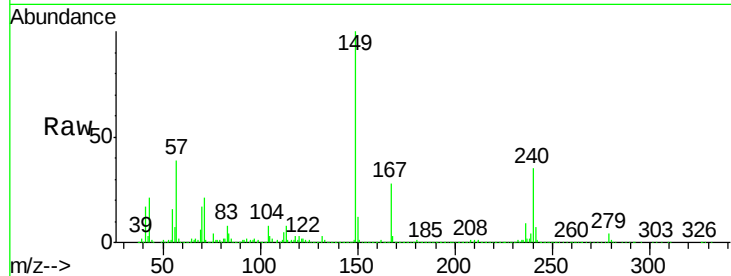




#83
Bis(2-ethylhexyl)phthalate
Concen: 80.35 ng
RT: 14.04 min Scan# 1028
Delta R.T. 0.01 min
Lab File: BF091313.D
Acq: 28 Nov 2016 15:18

Instrument :
BNA_F
ClientSampleId :
GROUNDWATER

Tot Ion:149 Resp: 1440078
Ion Ratio Lower Upper
149 100
167 27.8 19.6 29.4
279 3.6 1.9 2.9#



#86
Perylene-d12
Concen: 20.00 ng
RT: 15.48 min Scan# 1154
Delta R.T. 0.01 min
Lab File: BF091313.D
Acq: 28 Nov 2016 15:18

Tgt Ion:264 Resp: 450413
Ion Ratio Lower Upper
264 100
260 24.3 18.8 28.2
265 22.3 17.0 25.6

