

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF120716\
 Data File : BF091481.D
 Acq On : 7 Dec 2016 20:43
 Operator : UM/SJ
 Sample : H5885-03
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 GROUNDWATER-2079

Quant Time: Dec 08 00:26:16 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF112916.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Nov 29 13:33:46 2016
 Response via : Initial Calibration

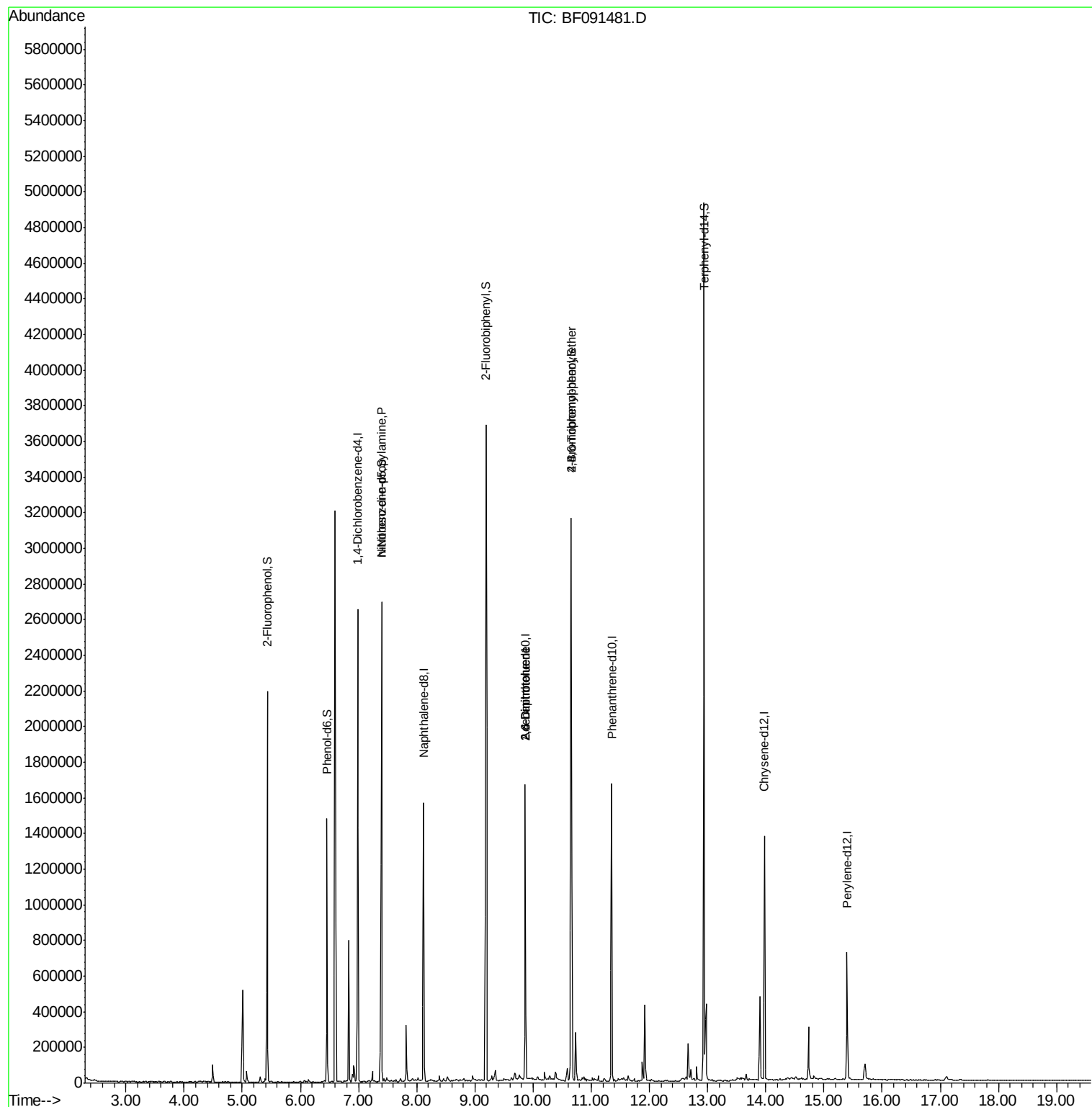
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.98	152	484925	20.00	ng	0.11
21) Naphthalene-d8	8.12	136	674227	20.00	ng	-0.05
38) Acenaphthene-d10	9.86	164	374570	20.00	ng	-0.05
63) Phenanthrene-d10	11.35	188	674981	20.00	ng	-0.05
75) Chrysene-d12	13.98	240	499131	20.00	ng	-0.06
86) Perylene-d12	15.40	264	343149	20.00	ng	-0.07
System Monitoring Compounds						
5) 2-Fluorophenol	5.43	112	486844	16.40	ng	-0.04
7) Phenol-d6	6.46	99	396581	10.85	ng	-0.04
23) Nitrobenzene-d5	7.40	82	902433	75.01	ng	-0.05
41) 2,4,6-Tribromophenol	10.65	330	476557	134.39	ng	-0.05
44) 2-Fluorobiphenyl	9.19	172	1583762	76.56	ng	-0.05
78) Terphenyl-d14	12.94	244	1700638	74.06	ng	-0.05
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.40	70	128165	5.57	ng	# 72
50) 2,6-Dinitrotoluene	9.86	165	48480	9.56	ng	# 17
56) 2,4-Dinitrotoluene	9.86	165	48482	7.37	ng	# 34
66) 4-Bromophenyl-phenylether	10.65	248	27365	3.77	ng	# 1

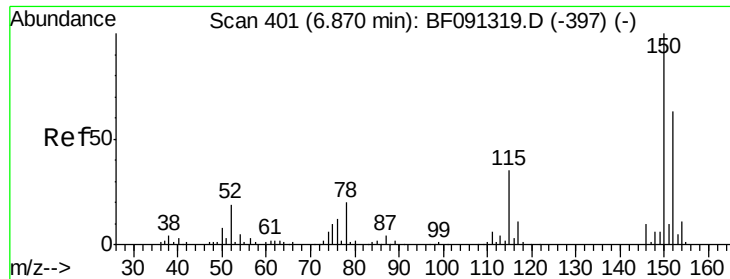
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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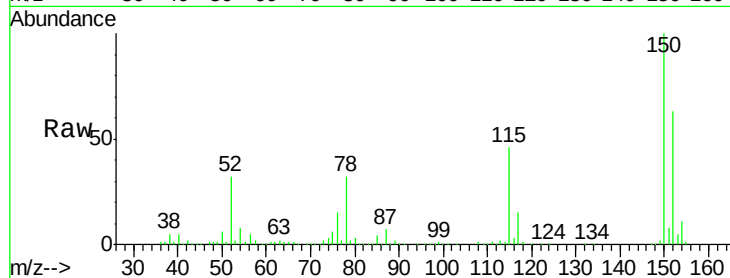




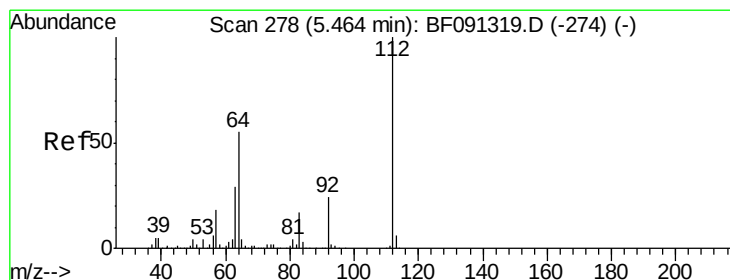
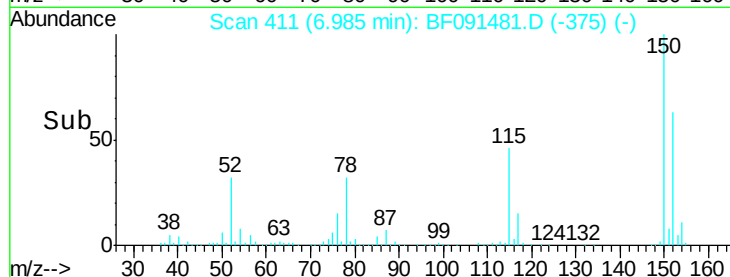
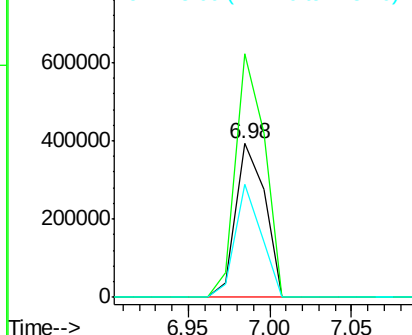
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 6.98 min Scan# 411
 Delta R.T. 0.11 min
 Lab File: BF091481.D
 Acq: 7 Dec 2016 20:43

Instrument :
 BNA_F
 ClientSampleId :
 GROUNDWATER-2079

Tgt Ion:152 Resp: 484925
 Ion Ratio Lower Upper
 152 100
 150 158.6 122.5 183.7
 115 73.5 51.8 77.8

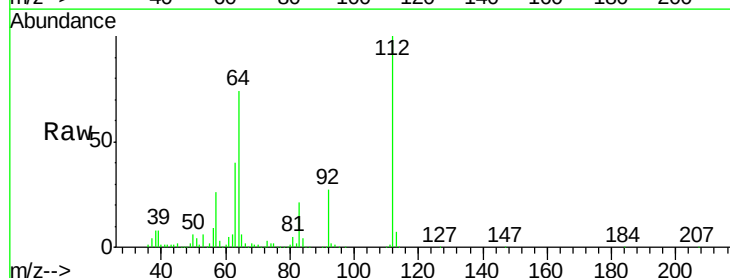


Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E

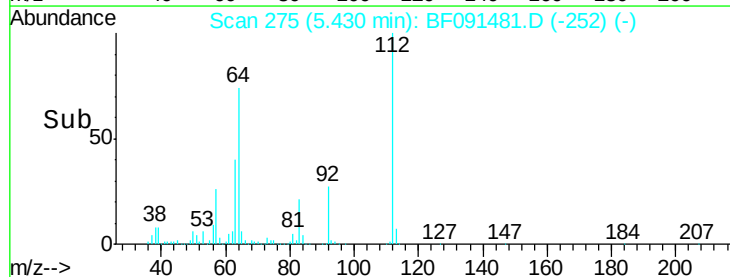
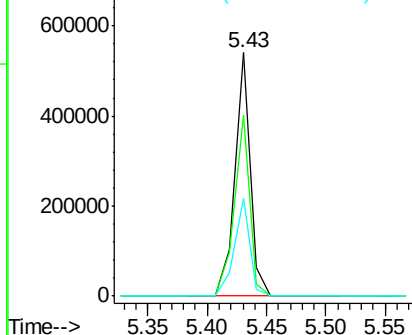


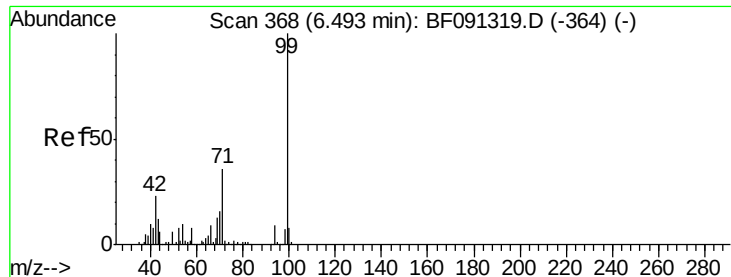
#5
 2-Fluorophenol
 Concen: 16.40 ng
 RT: 5.43 min Scan# 275
 Delta R.T. -0.04 min
 Lab File: BF091481.D
 Acq: 7 Dec 2016 20:43

Tgt Ion:112 Resp: 486844
 Ion Ratio Lower Upper
 112 100
 64 74.2 61.5 92.3
 63 39.9 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: 10.85 ng

RT: 6.46 min Scan# 365

Delta R.T. -0.04 min

Lab File: BF091481.D

Acq: 7 Dec 2016 20:43

Instrument :

BNA_F

ClientSampleId :

GROUNDWATER-2079

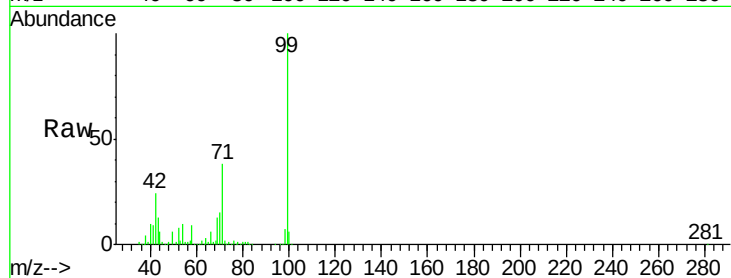
Tgt Ion: 99 Resp: 396581

Ion Ratio Lower Upper

99 100

42 24.2 20.6 31.0

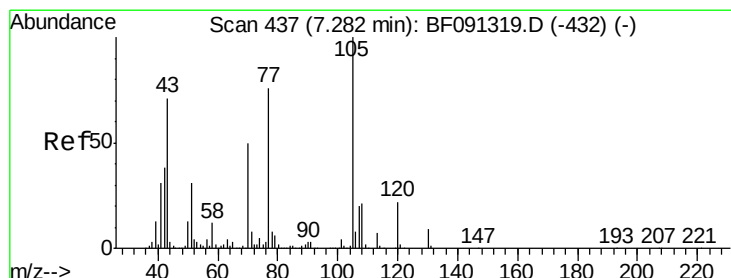
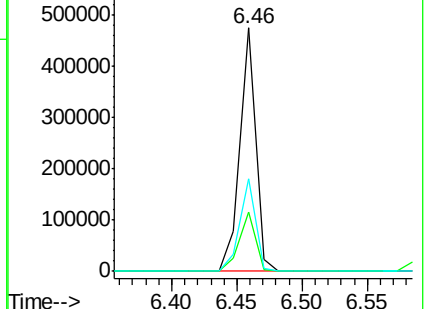
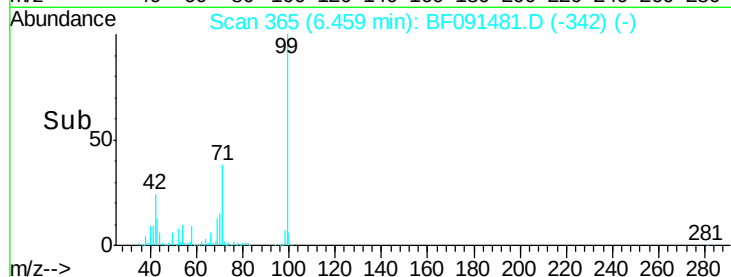
71 37.9 29.9 44.9



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



#19

n-Nitroso-di-n-propylamine

Concen: 5.57 ng

RT: 7.40 min Scan# 447

Delta R.T. 0.10 min

Lab File: BF091481.D

Acq: 7 Dec 2016 20:43

Tgt Ion: 70 Resp: 128165

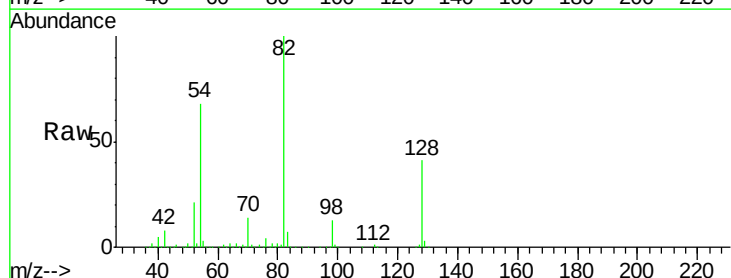
Ion Ratio Lower Upper

70 100

42 55.7 64.8 97.2#

101 0.0 6.2 9.4#

130 2.4 11.7 17.5#

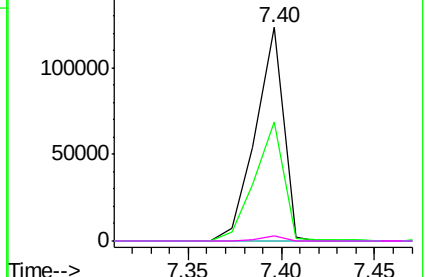
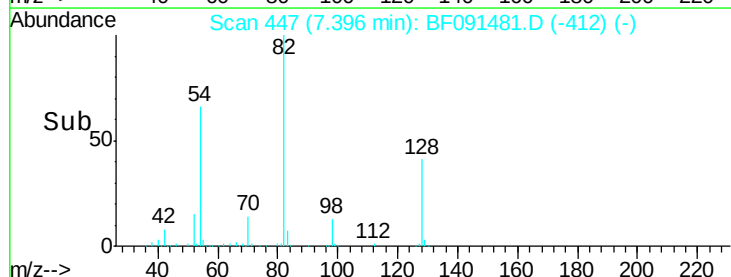


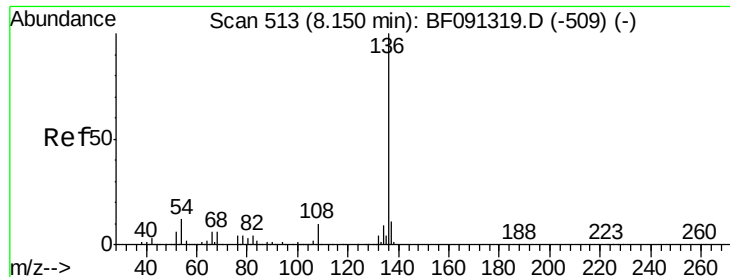
Abundance Ion 70.00 (69.70 to 70.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 101.00 (100.70 to 101.70): BF0

Ion 130.00 (129.70 to 130.70): BF0

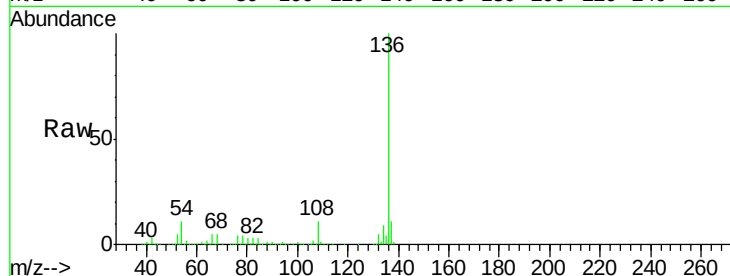




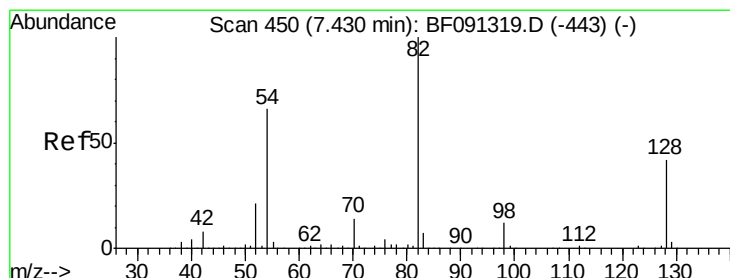
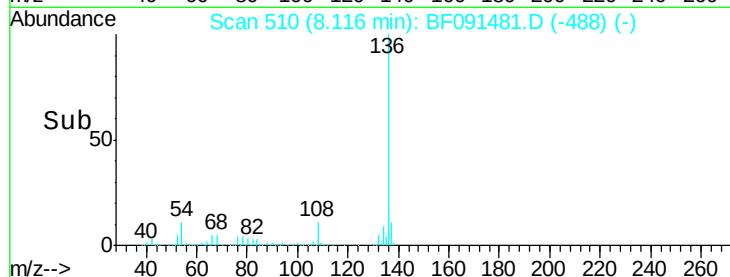
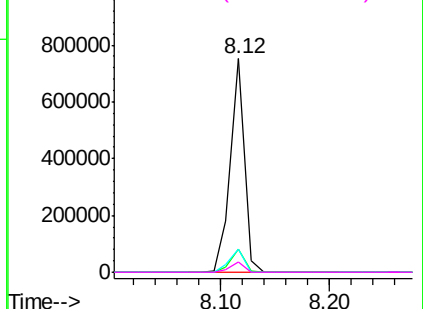
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.12 min Scan# 510
Delta R.T. -0.05 min
Lab File: BF091481.D
Acq: 7 Dec 2016 20:43

Instrument :
BNA_F
ClientSampleId :
GROUNDWATER-2079

Tgt Ion:	136	Resp:	674227
Ion	Ratio	Lower	Upper
136	100		
137	11.0	9.1	13.7
54	10.7	9.1	13.7
68	4.8	5.9	8.9#

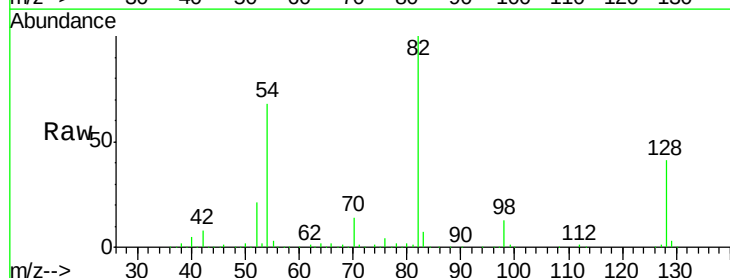


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0

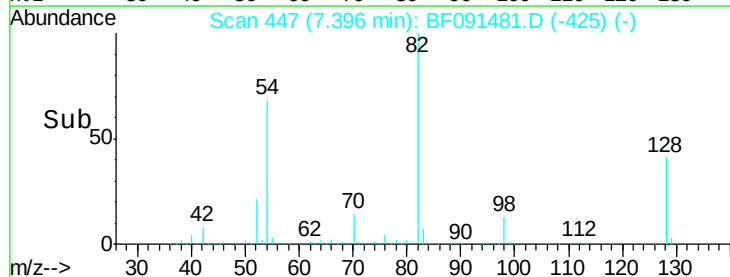
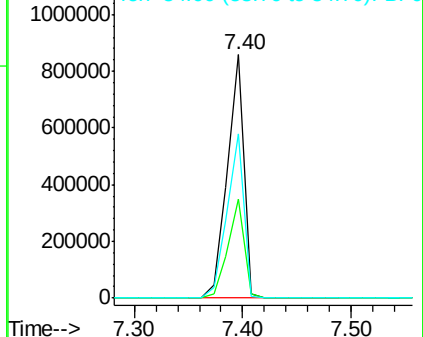


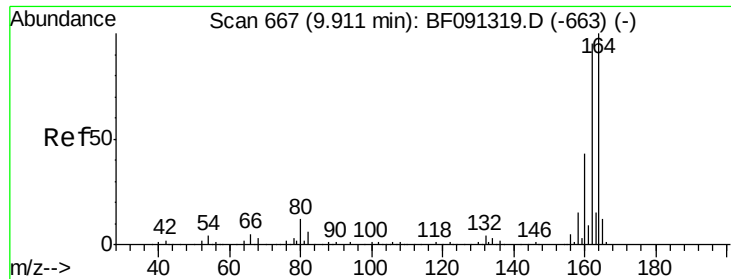
#23
Nitrobenzene-d5
Concen: 75.01 ng
RT: 7.40 min Scan# 447
Delta R.T. -0.05 min
Lab File: BF091481.D
Acq: 7 Dec 2016 20:43

Tgt Ion:	82	Resp:	902433
Ion	Ratio	Lower	Upper
82	100		
128	40.6	31.8	47.6
54	67.7	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





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.86 min Scan# 663

Delta R.T. -0.05 min

Lab File: BF091481.D

Acq: 7 Dec 2016 20:43

Instrument :

BNA_F

ClientSampleId :

GROUNDWATER-2079

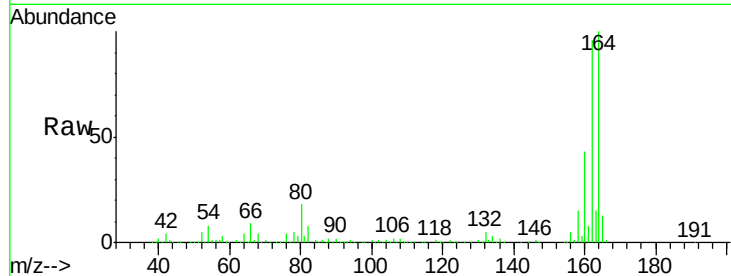
Tgt Ion:164 Resp: 374570

Ion Ratio Lower Upper

164 100

162 96.0 82.6 124.0

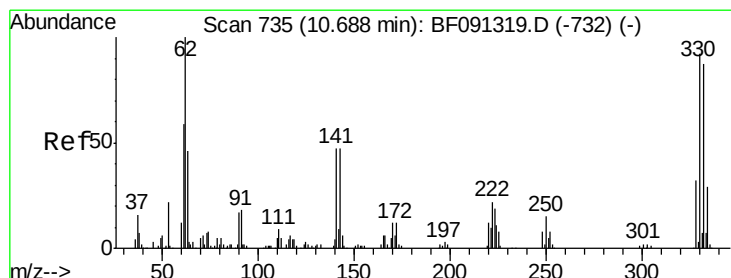
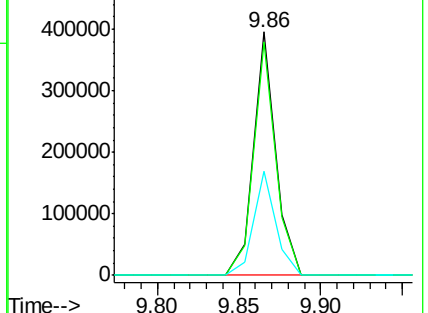
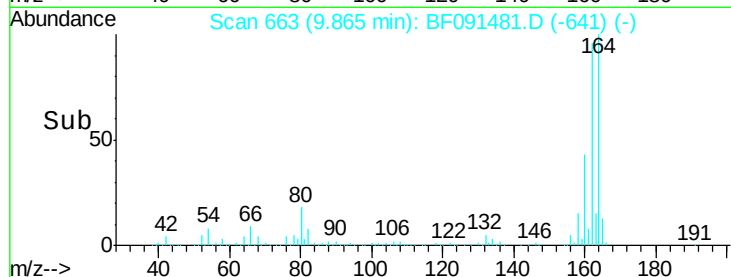
160 42.6 36.7 55.1



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: 134.39 ng

RT: 10.65 min Scan# 732

Delta R.T. -0.05 min

Lab File: BF091481.D

Acq: 7 Dec 2016 20:43

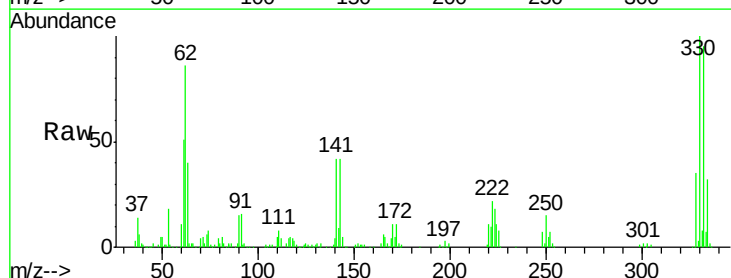
Tgt Ion:330 Resp: 476557

Ion Ratio Lower Upper

330 100

332 96.8 76.2 114.4

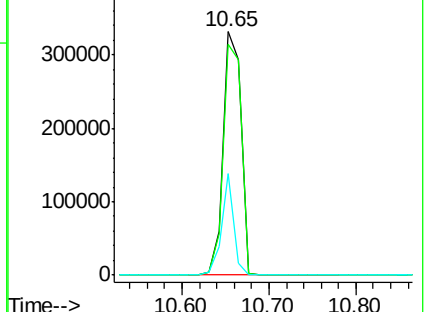
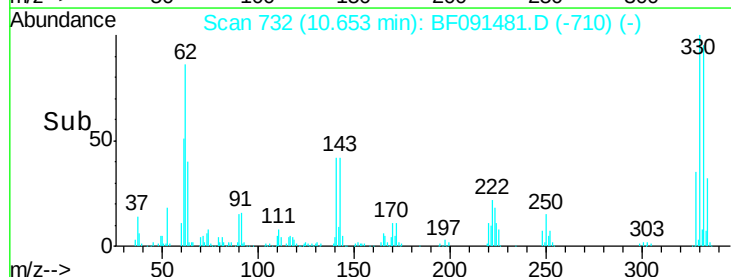
141 28.6 33.6 50.4#

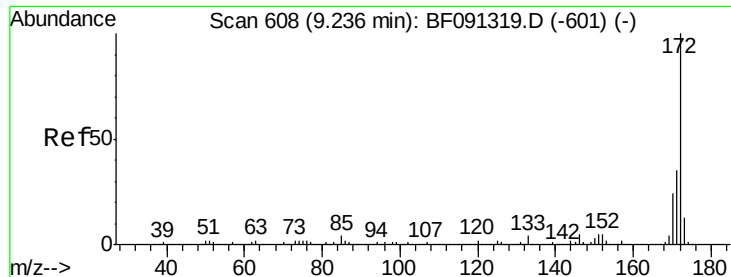


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

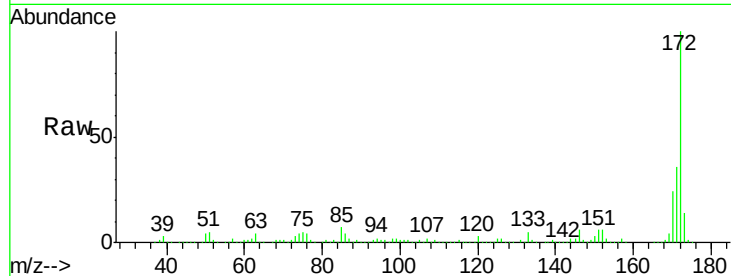




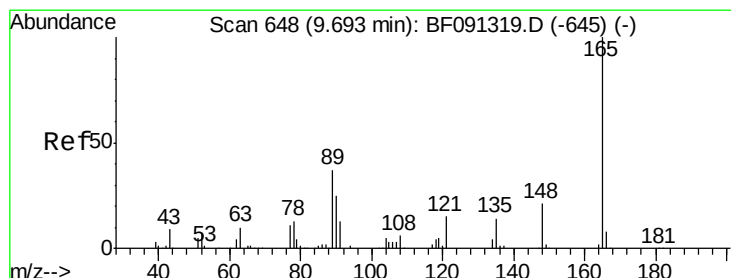
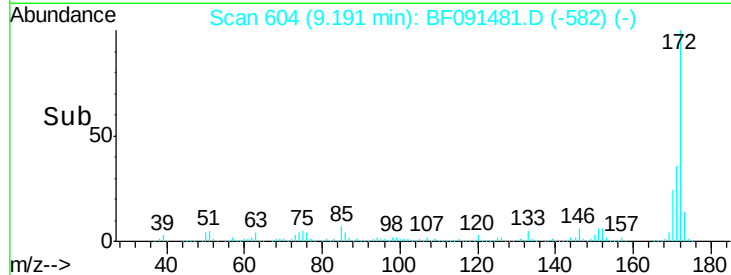
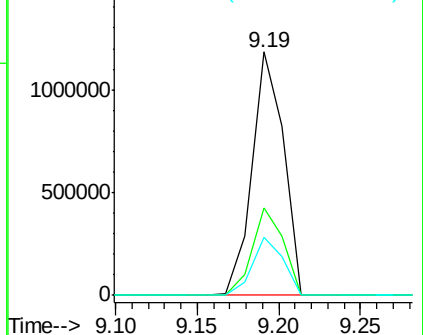
#44
2-Fluorobiphenyl
Concen: 76.56 ng
RT: 9.19 min Scan# 604
Delta R.T. -0.05 min
Lab File: BF091481.D
Acq: 7 Dec 2016 20:43

Instrument :
BNA_F
ClientSampleId :
GROUNDWATER-2079

Tgt Ion:172 Resp: 1583762
Ion Ratio Lower Upper
172 100
171 35.9 29.4 44.0
170 24.0 19.7 29.5

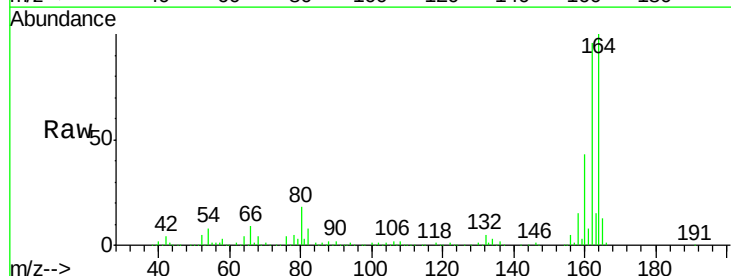


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

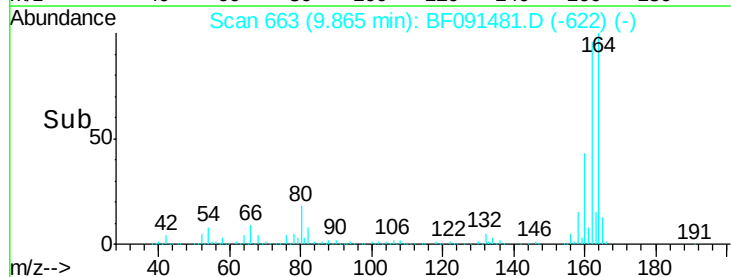
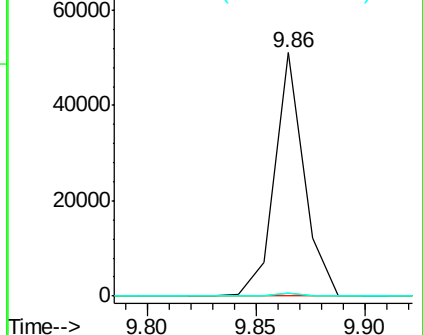


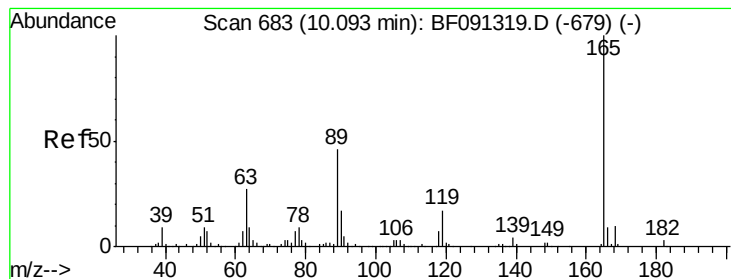
#50
2,6-Dinitrotoluene
Concen: 9.56 ng
RT: 9.86 min Scan# 663
Delta R.T. 0.17 min
Lab File: BF091481.D
Acq: 7 Dec 2016 20:43

Tgt Ion:165 Resp: 48480
Ion Ratio Lower Upper
165 100
63 1.2 59.4 89.0#
89 1.3 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: 7.37 ng

RT: 9.86 min Scan# 663

Delta R.T. -0.23 min

Lab File: BF091481.D

Acq: 7 Dec 2016 20:43

Instrument :

BNA_F

ClientSampleId :

GROUNDWATER-2079

Tgt Ion:165 Resp: 48482

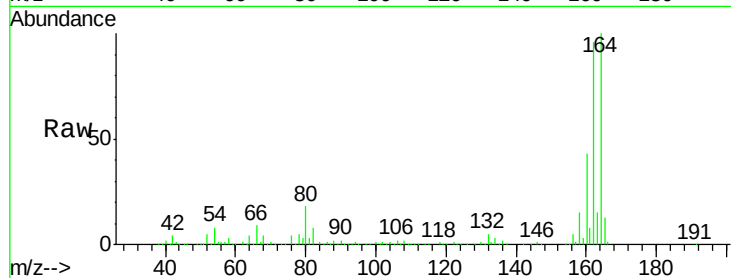
Ion Ratio Lower Upper

165 100

63 1.2 29.0 43.4#

89 1.3 43.1 64.7#

182 0.0 1.9 2.9#

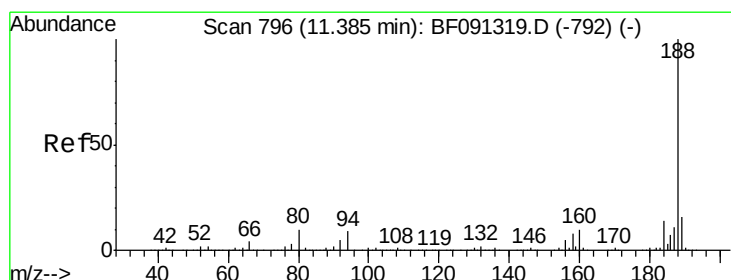
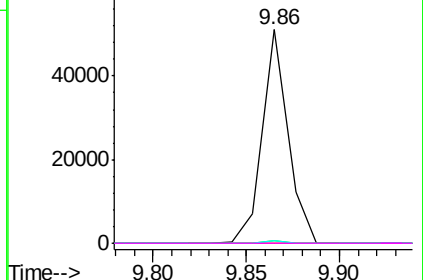
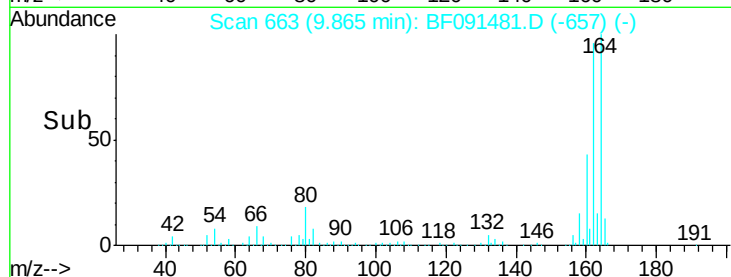


Abundance Ion 165.00 (164.70 to 165.70): E

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: 11.35 min Scan# 793

Delta R.T. -0.05 min

Lab File: BF091481.D

Acq: 7 Dec 2016 20:43

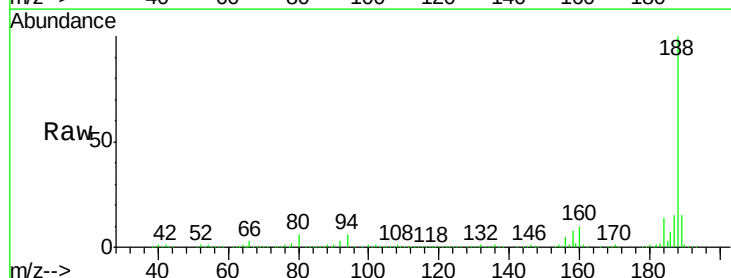
Tgt Ion:188 Resp: 674981

Ion Ratio Lower Upper

188 100

94 5.5 9.2 13.8#

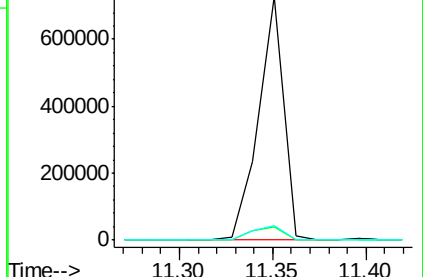
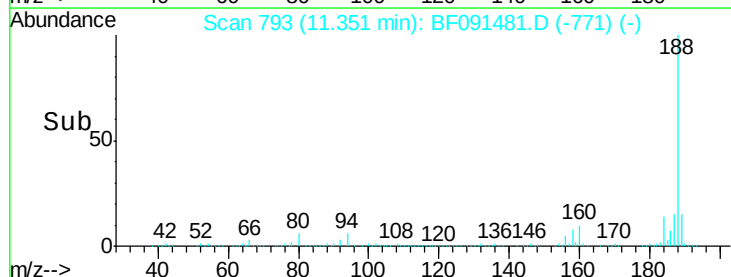
80 5.8 10.5 15.7#

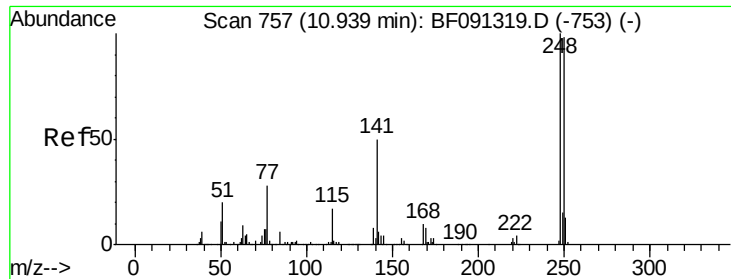


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0





#66

4-Bromophenyl-phenylether

Concen: 3.77 ng

RT: 10.65 min Scan# 732

Delta R.T. -0.30 min

Lab File: BF091481.D

Acq: 7 Dec 2016 20:43

Instrument :

BNA_F

ClientSampleId :

GROUNDWATER-2079

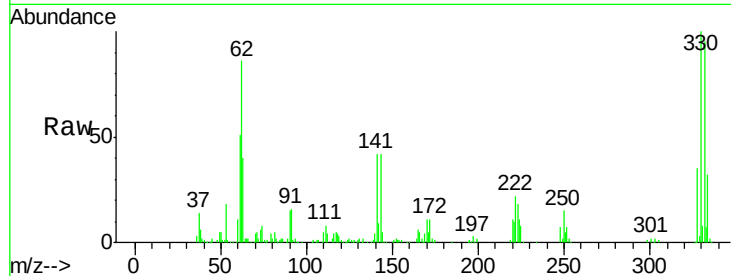
Tgt Ion:248 Resp: 27365

Ion Ratio Lower Upper

248 100

250 202.8 78.2 117.4#

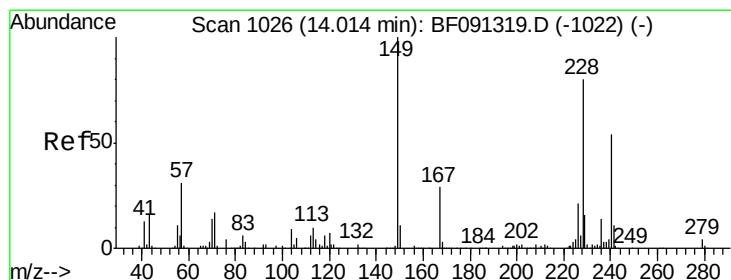
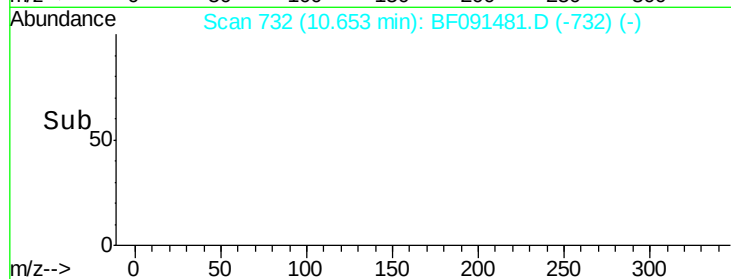
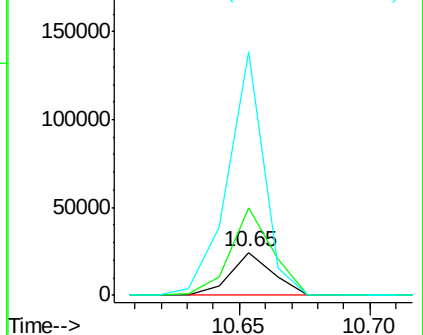
141 567.8 71.9 107.9#



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: 13.98 min Scan# 1023

Delta R.T. -0.06 min

Lab File: BF091481.D

Acq: 7 Dec 2016 20:43

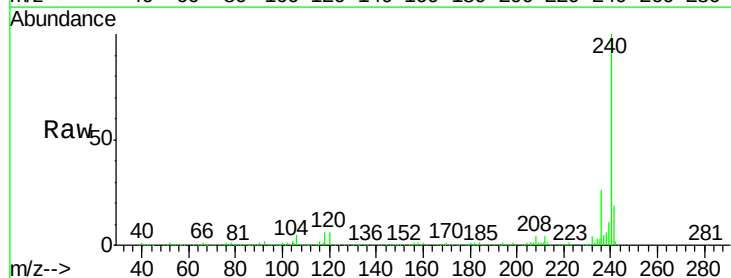
Tgt Ion:240 Resp: 499131

Ion Ratio Lower Upper

240 100

120 6.5 12.1 18.1#

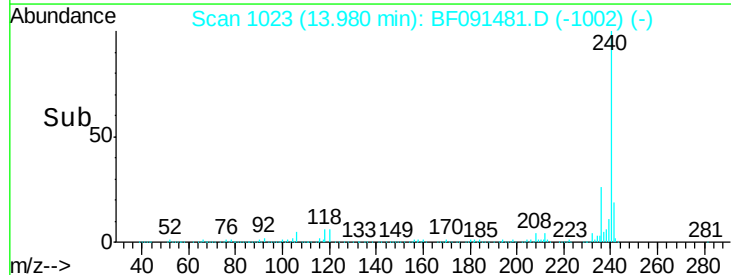
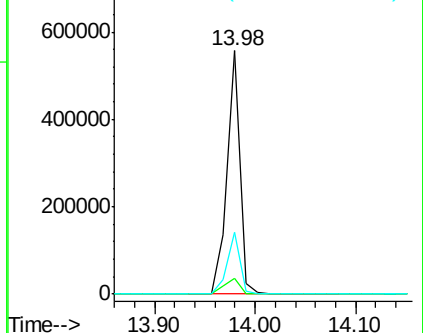
236 25.5 21.0 31.6

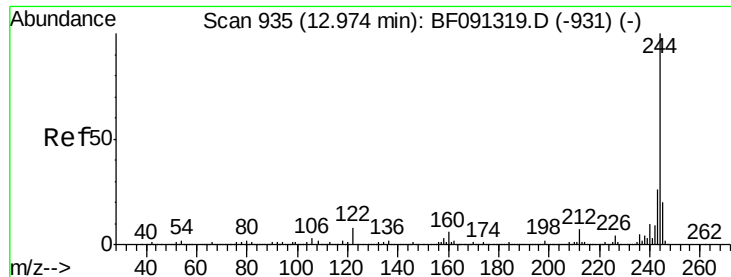


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

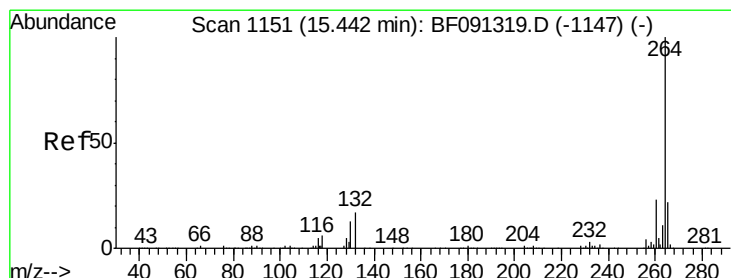
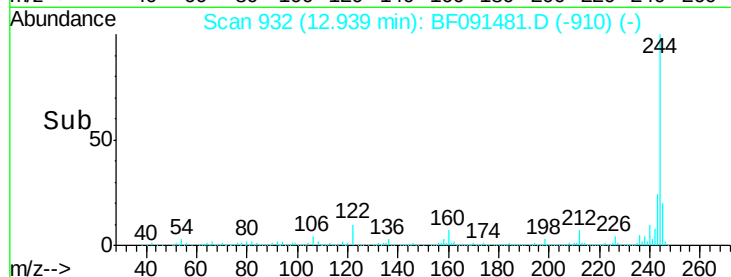
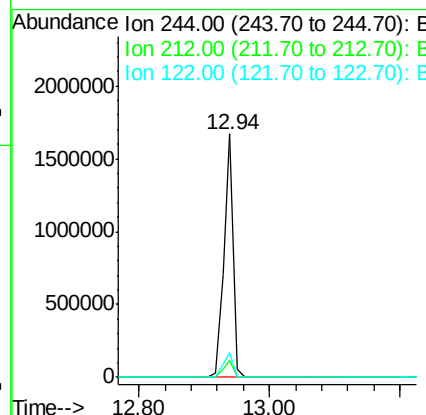
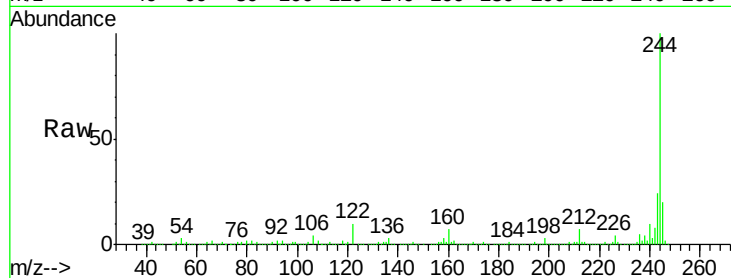




#78
 Terphenyl-d14
 Concen: 74.06 ng
 RT: 12.94 min Scan# 932
 Delta R.T. -0.05 min
 Lab File: BF091481.D
 Acq: 7 Dec 2016 20:43

Instrument :
 BNA_F
 ClientSampleId :
 GROUNDWATER-2079

Tgt Ion:244 Resp: 1700638
 Ion Ratio Lower Upper
 244 100
 212 7.3 6.5 9.7
 122 10.3 9.5 14.3



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.40 min Scan# 1147
 Delta R.T. -0.07 min
 Lab File: BF091481.D
 Acq: 7 Dec 2016 20:43

Tgt Ion:264 Resp: 343149
 Ion Ratio Lower Upper
 264 100
 260 23.4 18.8 28.2
 265 22.0 17.0 25.6

