

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 03:42:13 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						
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

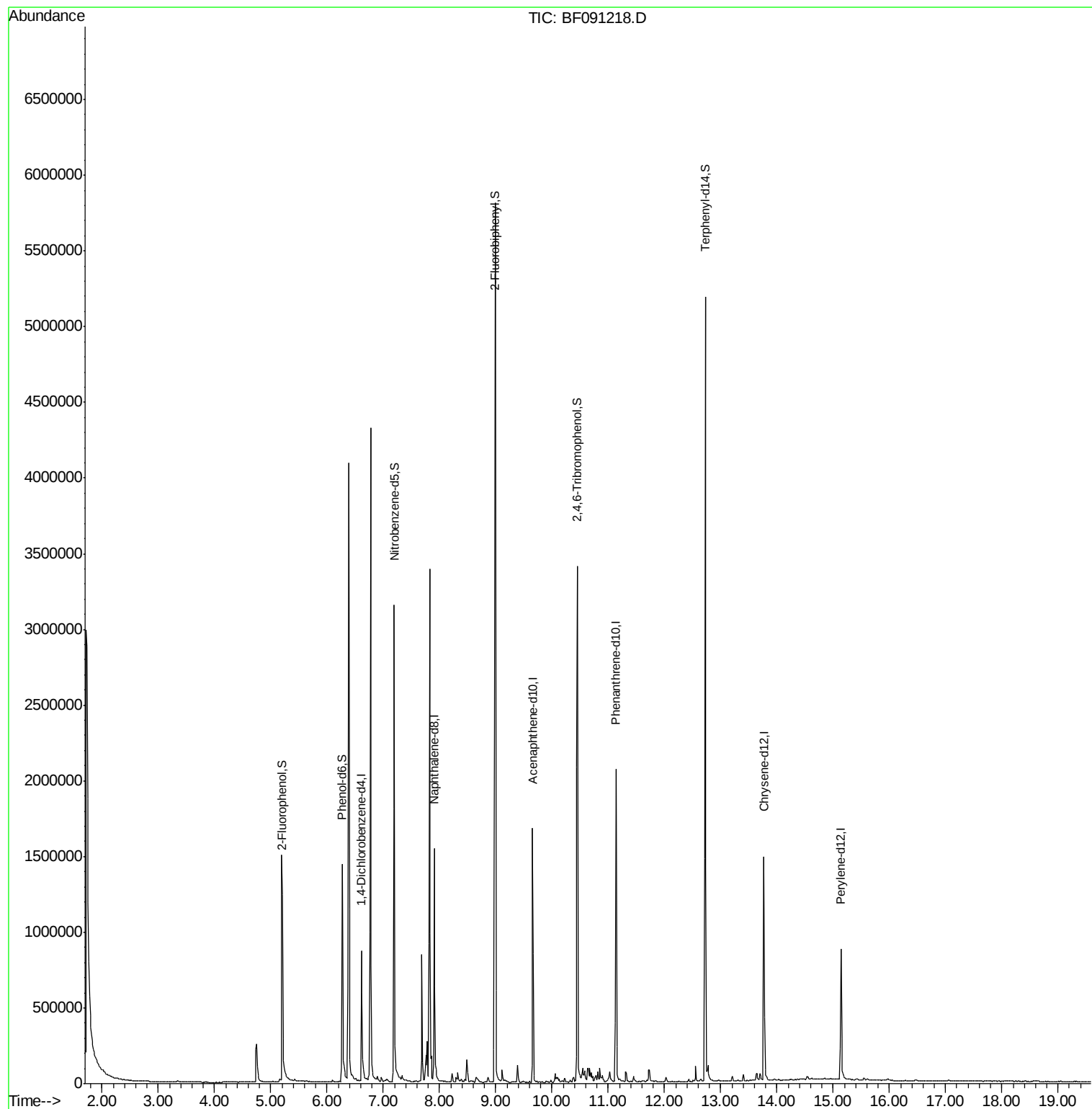
Target Compounds Qvalue

(#) = 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: BF091218.D

Acq: 17 Nov 2016 17:58

Instrument :

BNA_F

ClientSampleId :

GROUNDWATER

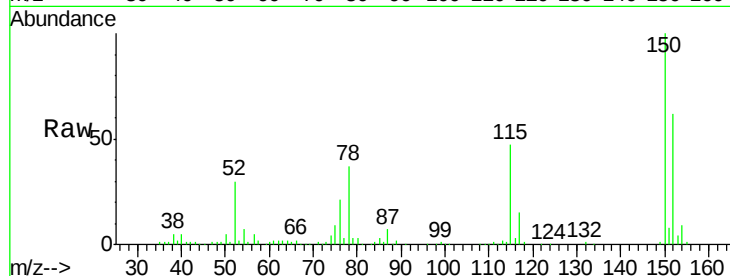
Tot Ion:152 Resp: 190657

Ion Ratio Lower Upper

152 100

150 161.0 126.8 190.2

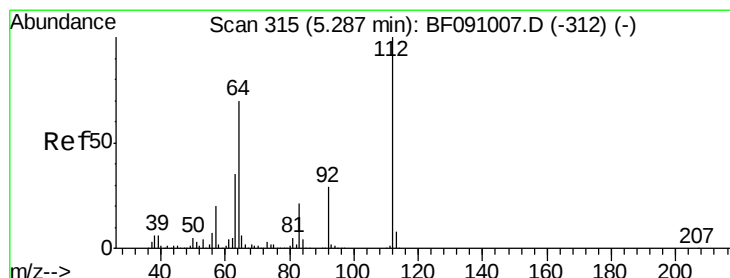
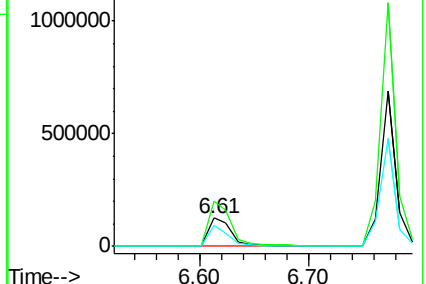
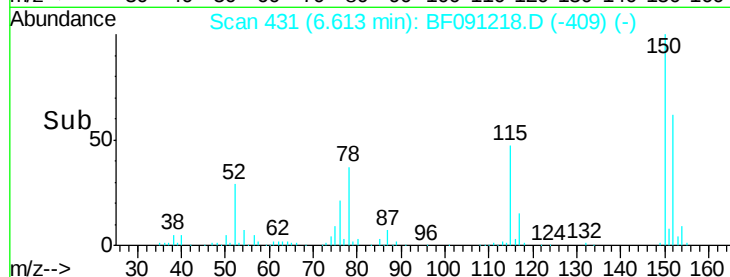
115 75.9 53.3 79.9



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

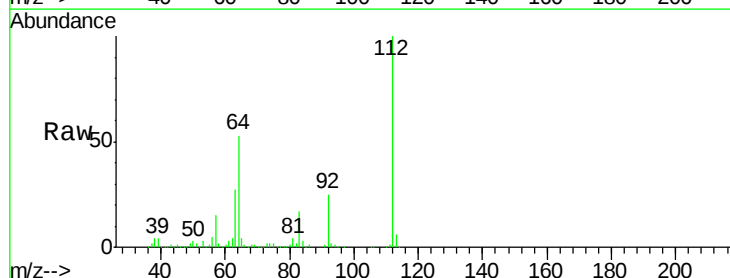
Tgt Ion:112 Resp: 709856

Ion Ratio Lower Upper

112 100

64 52.9 55.8 83.6#

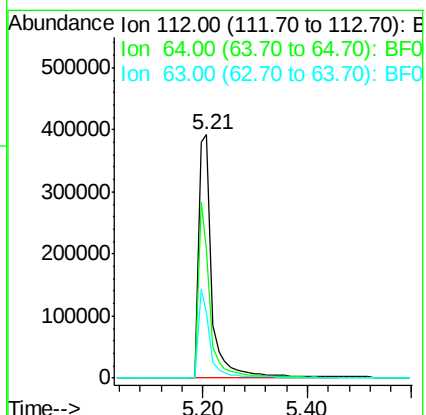
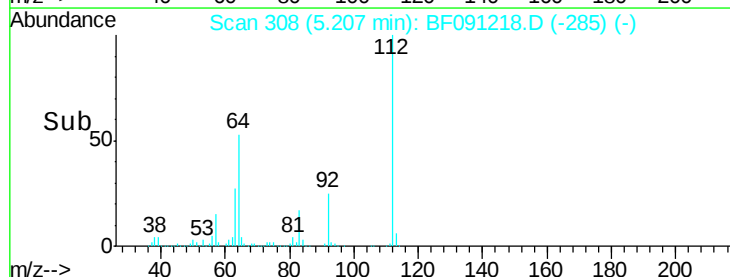
63 26.8 28.0 42.0#

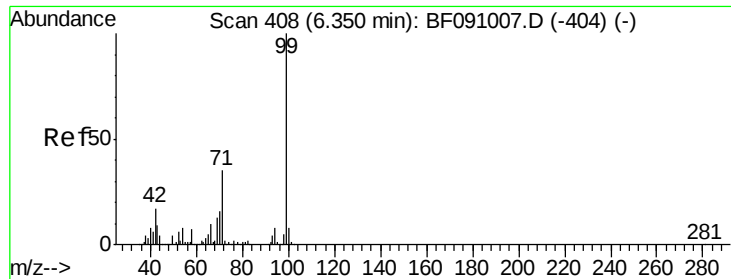


Abundance Ion 112.00 (111.70 to 112.70): E

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

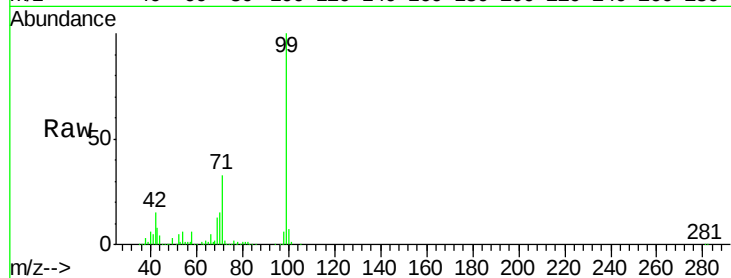
Tot Ion: 99 Resp: 591603

Ion Ratio Lower Upper

99 100

42 15.5 13.9 20.9

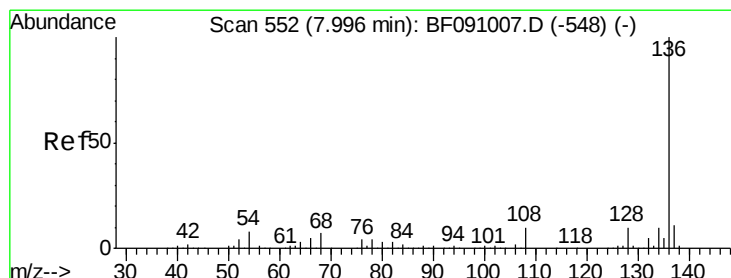
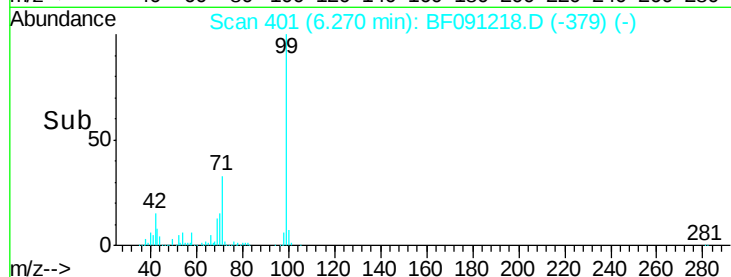
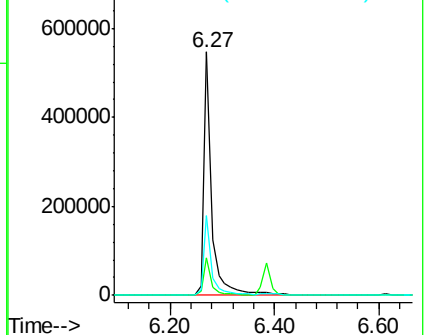
71 32.7 27.8 41.8



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



#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

Tgt Ion: 136 Resp: 821979

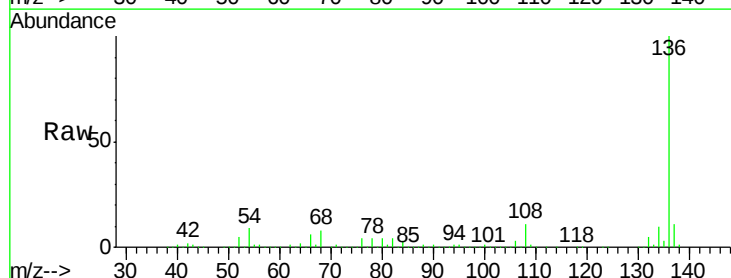
Ion Ratio Lower Upper

136 100

137 11.5 8.9 13.3

54 9.2 6.2 9.2

68 8.1 5.5 8.3

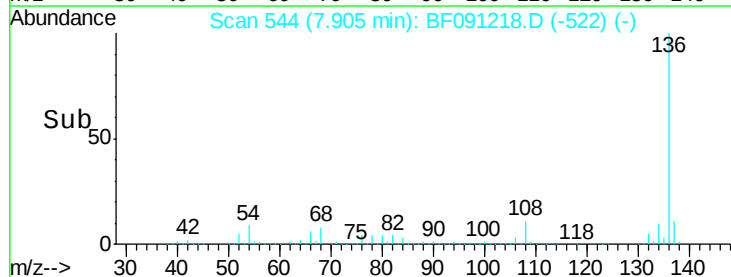
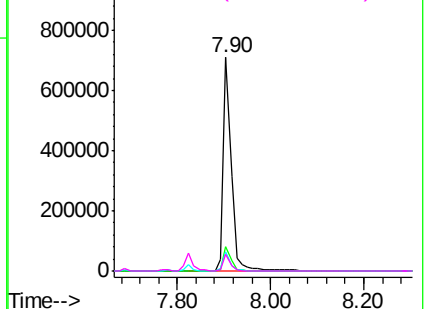


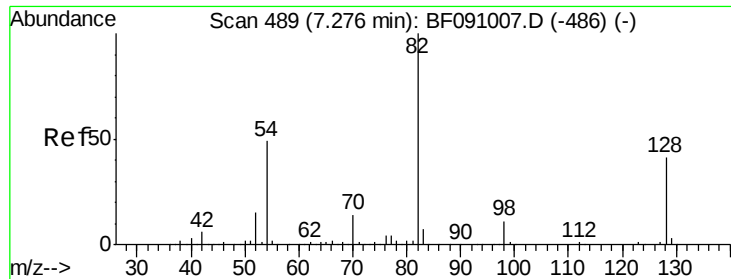
Abundance Ion 136.00 (135.70 to 136.70): E

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

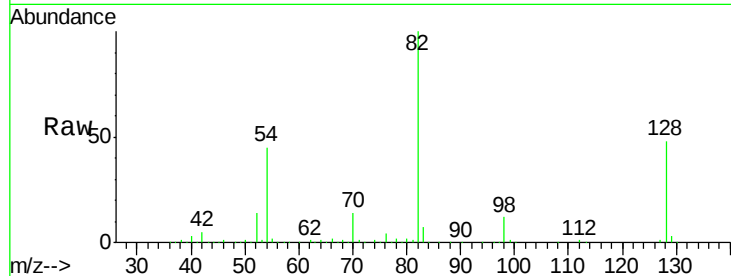




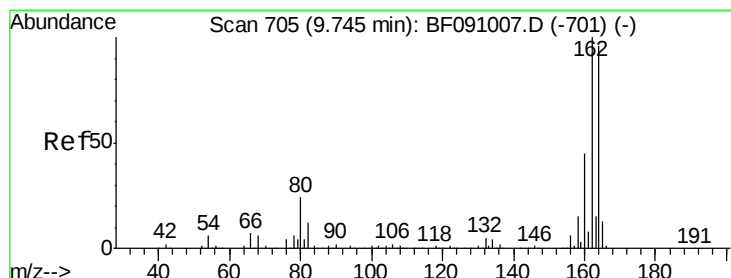
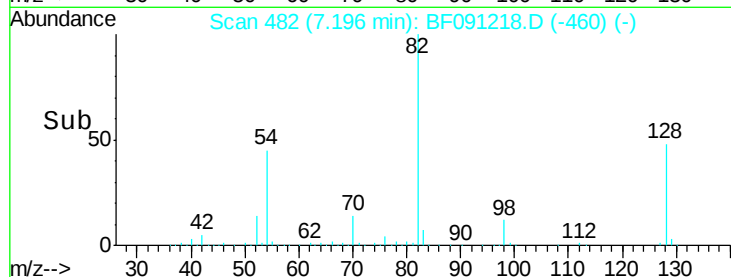
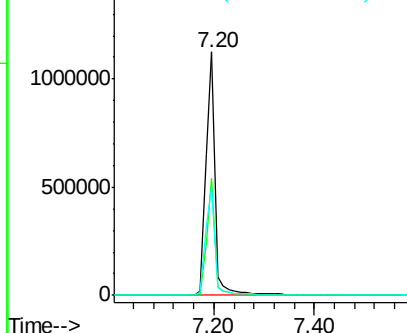
#23
 Nitrobenzene-d5
 Concen: 94.38 ng
 RT: 7.20 min Scan# 482
 Delta R.T. -0.05 min
 Lab File: BF091218.D
 Acq: 17 Nov 2016 17:58

Instrument :
 BNA_F
 ClientSampleId :
 GROUNDWATER

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

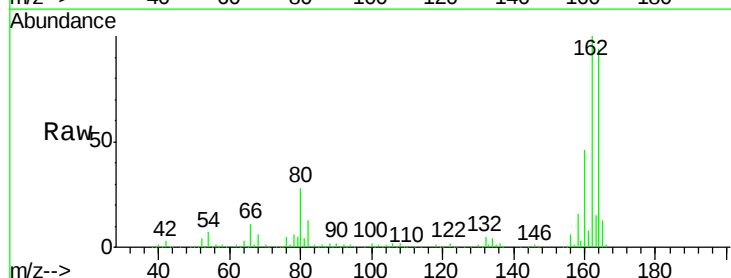


Abundance Ion 82.00 (81.70 to 82.70): BF0
 Ion 128.00 (127.70 to 128.70): E
 Ion 54.00 (53.70 to 54.70): BF0

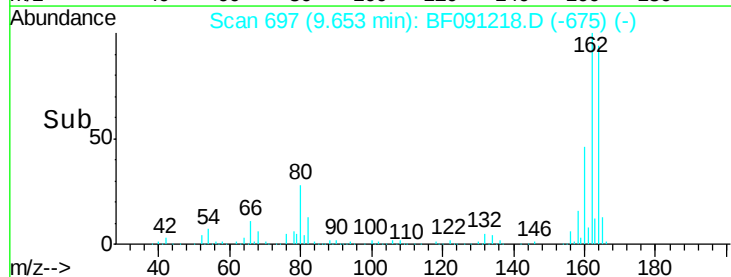
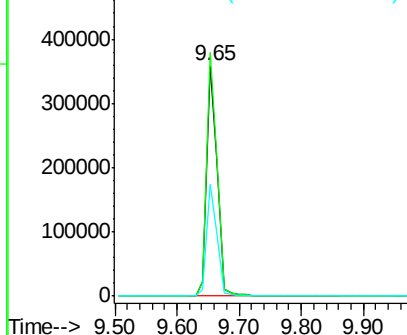


#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.65 min Scan# 697
 Delta R.T. -0.05 min
 Lab File: BF091218.D
 Acq: 17 Nov 2016 17:58

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



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

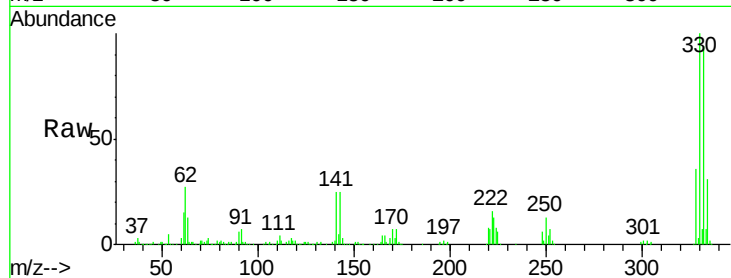




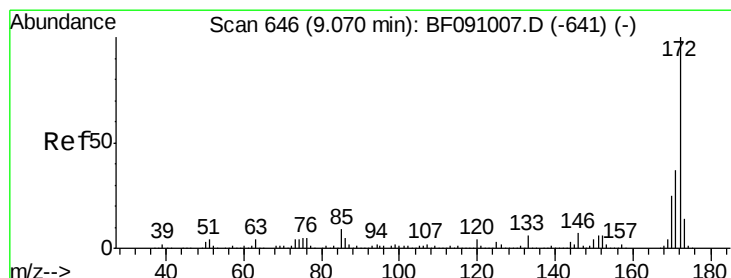
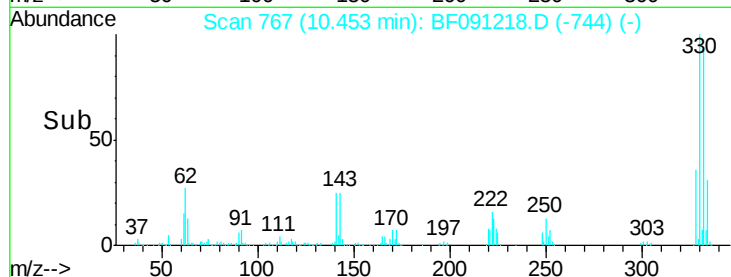
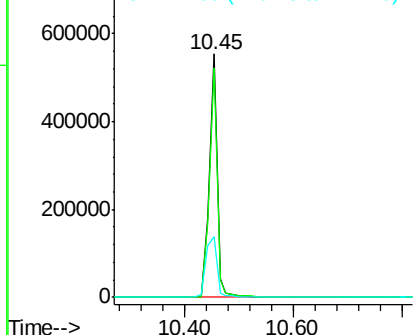
#41
 2,4,6-Tribromophenol
 Concen: 144.60 ng
 RT: 10.45 min Scan# 767
 Delta R.T. -0.03 min
 Lab File: BF091218.D
 Acq: 17 Nov 2016 17:58

Instrument :
 BNA_F
 ClientSampleId :
 GROUNDWATER

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

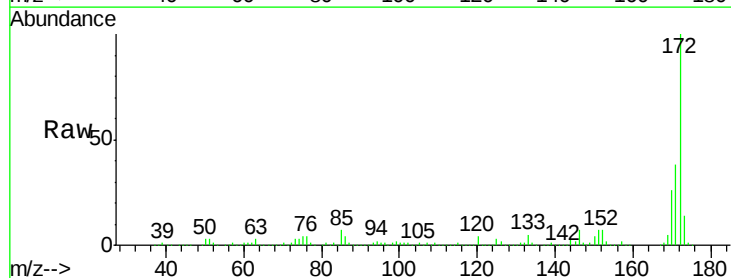


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

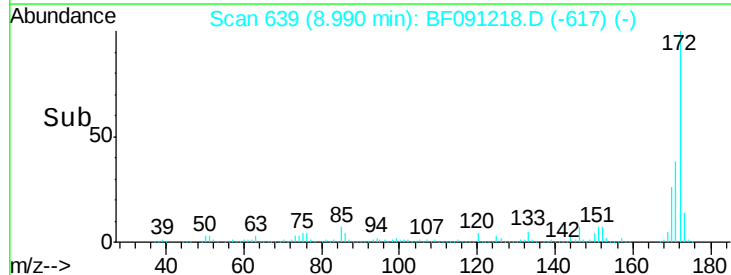
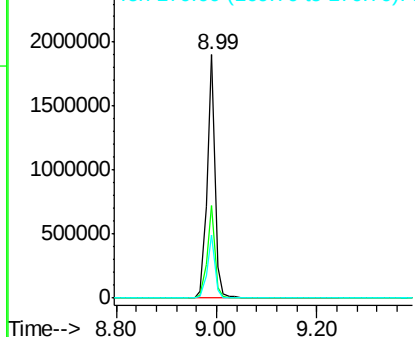


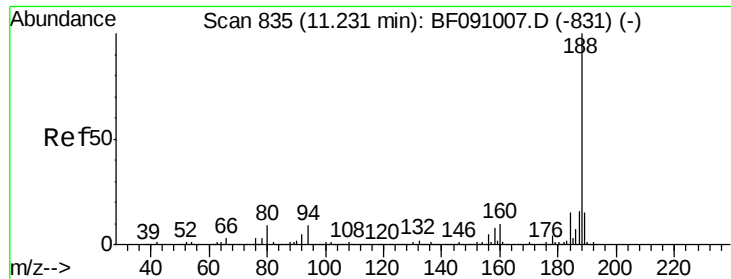
#44
 2-Fluorobiphenyl
 Concen: 83.62 ng
 RT: 8.99 min Scan# 639
 Delta R.T. -0.05 min
 Lab File: BF091218.D
 Acq: 17 Nov 2016 17:58

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

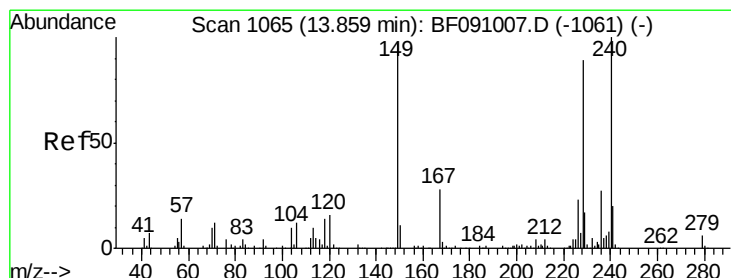
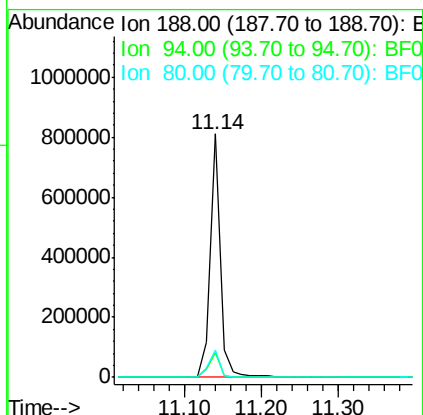
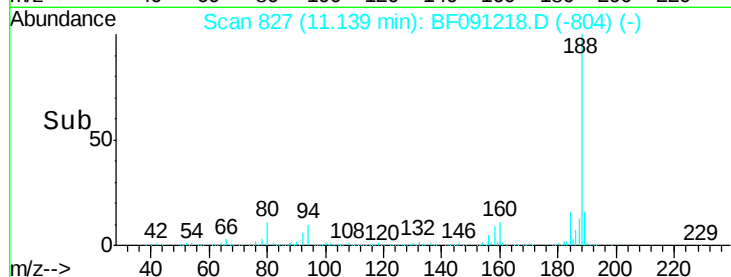
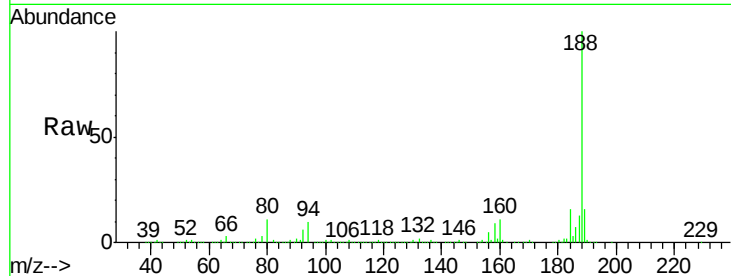




#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.14 min Scan# 827
Delta R.T. -0.03 min
Lab File: BF091218.D
Acq: 17 Nov 2016 17:58

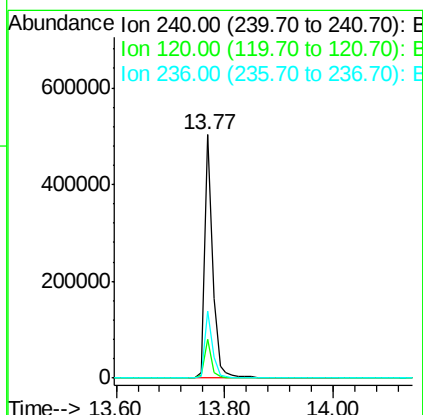
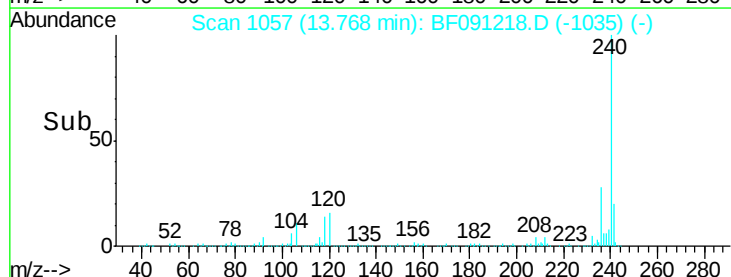
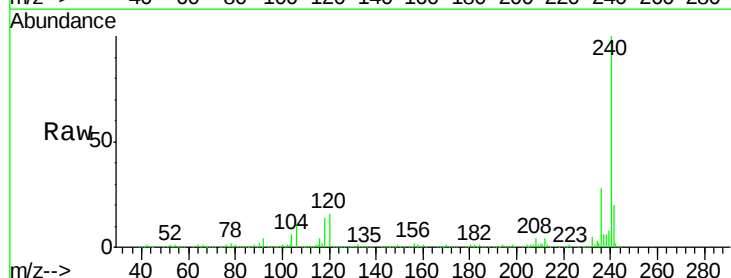
Instrument :
BNA_F
ClientSampleId :
GROUNDWATER

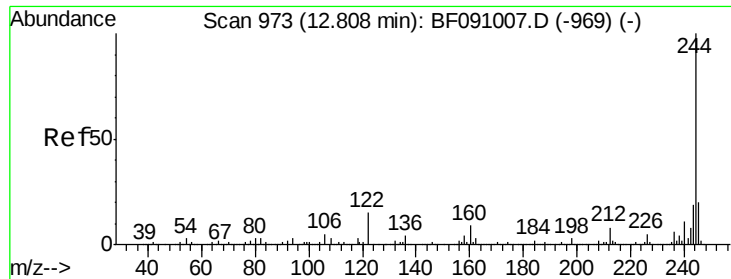
Tot Ion:188 Resp: 736995
Ion Ratio Lower Upper
188 100
94 10.4 7.0 10.4
80 11.2 7.5 11.3



#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





#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

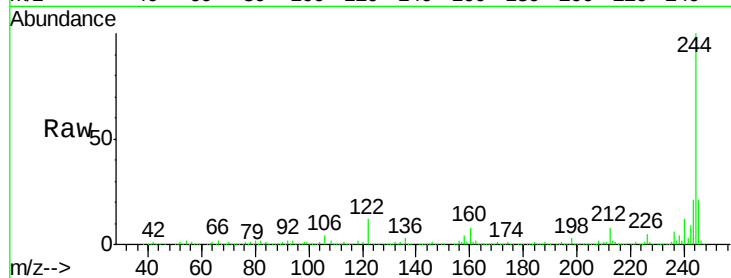
Tot Ion:244 Resp: 1881813

Ion Ratio Lower Upper

244 100

212 7.7 6.4 9.6

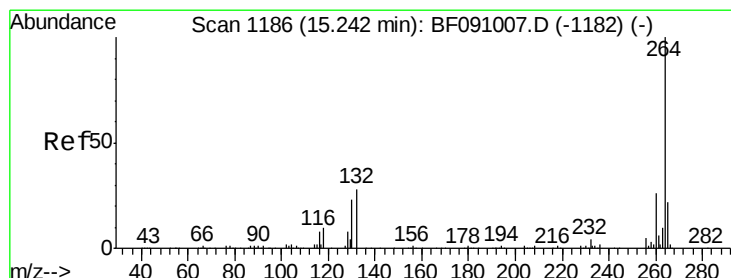
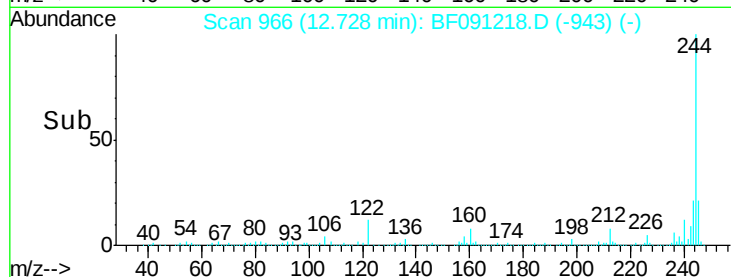
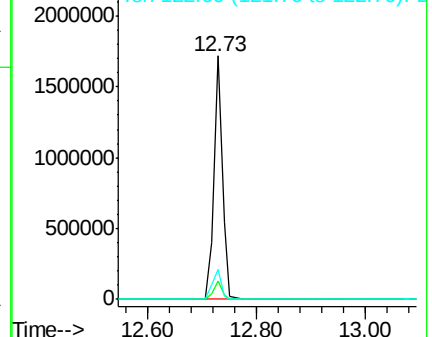
122 12.2 12.3 18.5#



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



#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

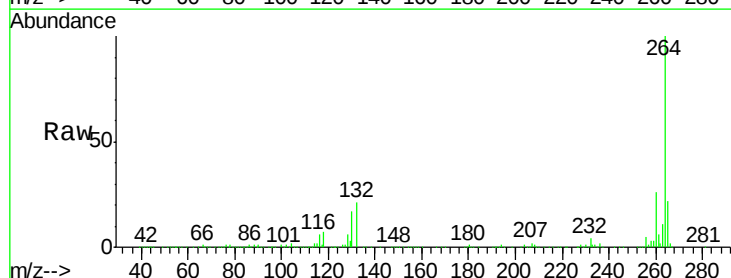
Tgt Ion:264 Resp: 351777

Ion Ratio Lower Upper

264 100

260 25.7 20.6 30.8

265 22.3 17.8 26.8



Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

