

Data File : BF093010.D
Acq On : 17 Feb 2017 15:09
Operator : SJ/MA
Sample : I1884-19
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
GROUNDWATER

Quant Time: Feb 17 22:12:00 2017
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF013017.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Feb 17 17:31:55 2017
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.85	152	166399	20.00	ng	0.00
21) Naphthalene-d8	8.14	136	671897	20.00	ng	0.00
38) Acenaphthene-d10	9.89	164	384491	20.00	ng	0.00
63) Phenanthrene-d10	11.38	188	614036	20.00	ng	0.00
75) Chrysene-d12	14.01	240	529306	20.00	ng	-0.01
86) Perylene-d12	15.44	264	475740	20.00	ng	-0.01

System Monitoring Compounds						
5) 2-Fluorophenol	5.45	112	677049	69.81	ng	0.00
7) Phenol-d6	6.49	99	581825	46.62	ng	0.00
23) Nitrobenzene-d5	7.42	82	1077190	89.28	ng	0.00
41) 2,4,6-Tribromophenol	10.68	330	342615	123.20	ng	0.00
44) 2-Fluorobiphenyl	9.22	172	1794240	84.54	ng	0.00
78) Terphenyl-d14	12.97	244	1715819	76.17	ng	0.00

Target Compounds						Qvalue
15) Benzyl Alcohol	7.01	79	19726	2.14	ng	# 36
18) Hexachloroethane	7.42	117	42747	9.87	ng	# 3
32) Benzoic acid	7.94	122	2623	7.55	ng	# 29
37) 2-Methylnaphthalene	8.94	142	60988	2.79	ng	97
53) 2,4-Dinitrophenol	10.11	184	217	4.81	ng	# 1
64) 4,6-Dinitro-2-methylphenol	10.51	198	217	2.72	ng	# 1
66) 4-Bromophenyl-phenylether	10.68	248	23613	3.68	ng	# 1
83) Bis(2-ethylhexyl)phthalate	13.99	149	155554	7.07	ng	99

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

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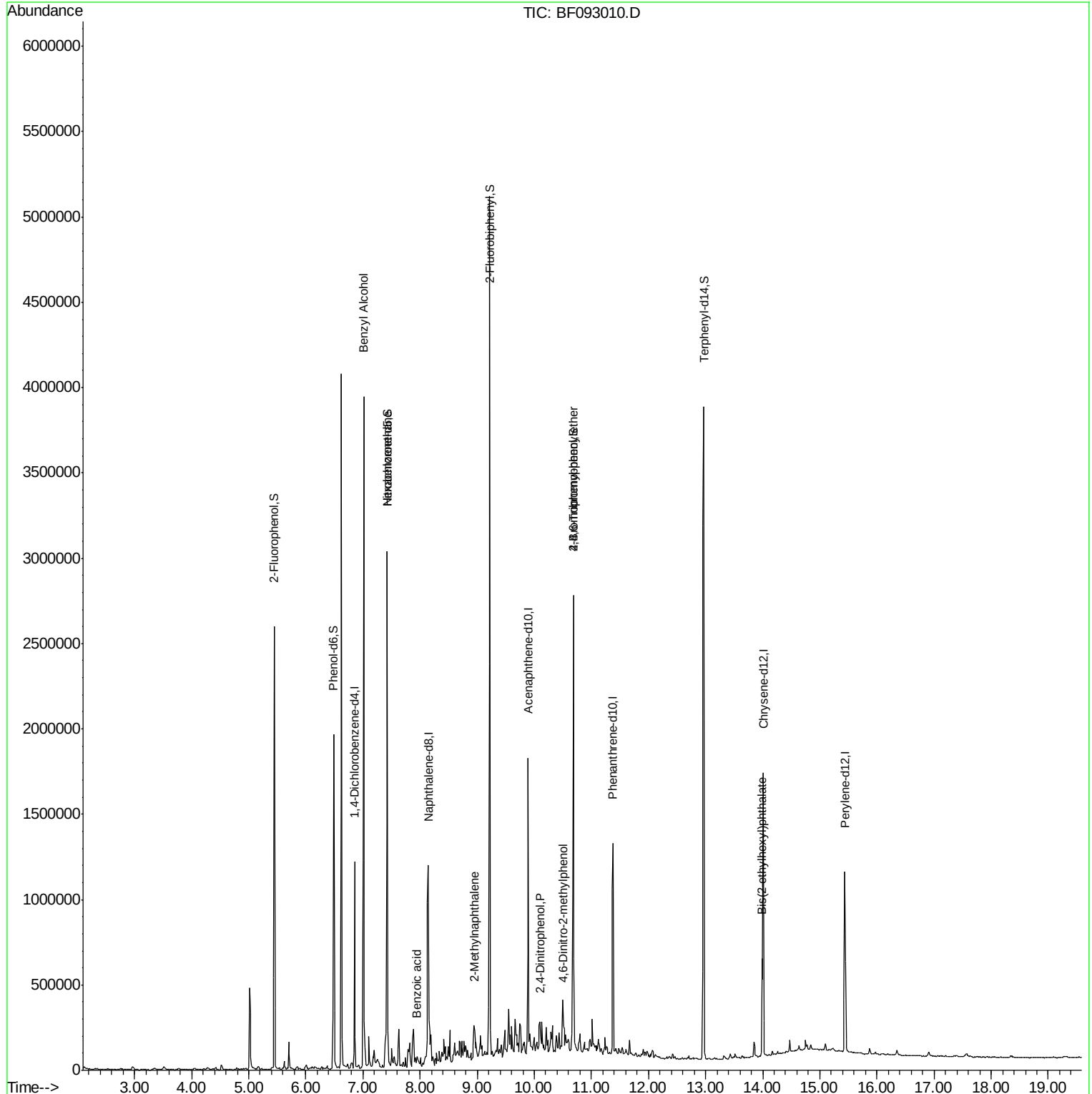
Quant Time: Feb 17 22:12:00 2017

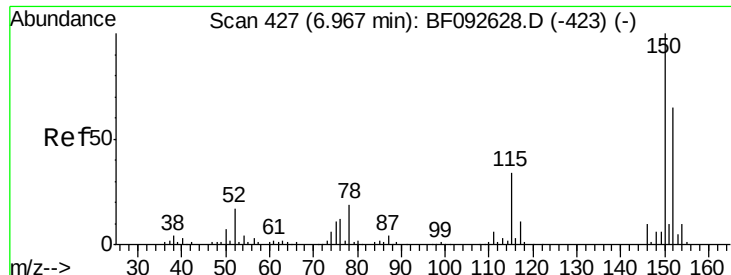
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF013017.M

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QLast Update : Fri Feb 17 17:31:55 2017

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.85 min Scan# 417

Delta R.T. -0.00 min

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Instrument :

BNA_F

ClientSampleId :

GROUNDWATER

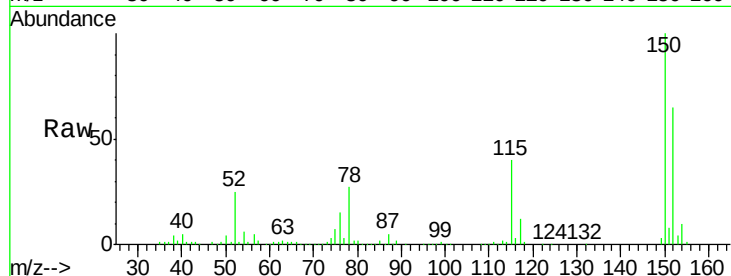
Tgt Ion:152 Resp: 166399

Ion Ratio Lower Upper

152 100

150 154.7 124.9 187.3

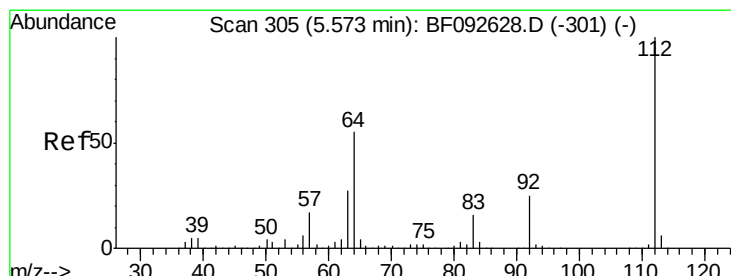
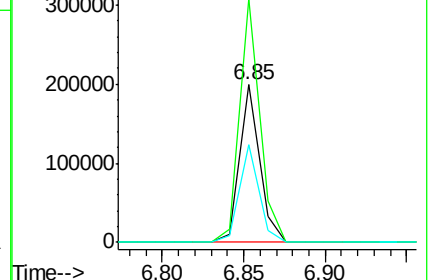
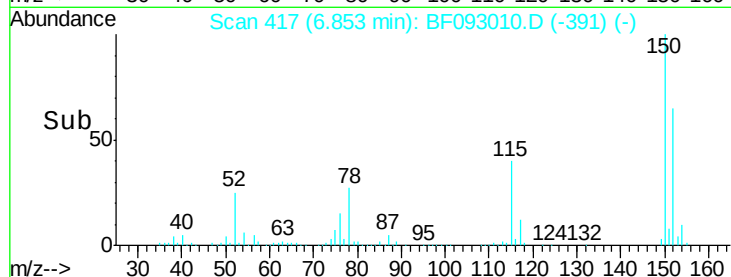
115 62.5 46.0 69.0



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: 69.81 ng

RT: 5.45 min Scan# 294

Delta R.T. -0.00 min

Lab File: BF093010.D

Acq: 17 Feb 2017 15:09

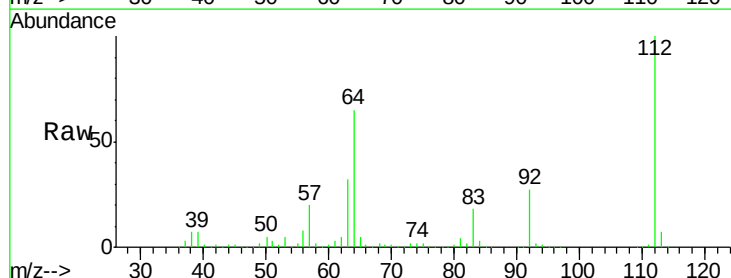
Tgt Ion:112 Resp: 677049

Ion Ratio Lower Upper

112 100

64 65.0 46.1 69.1

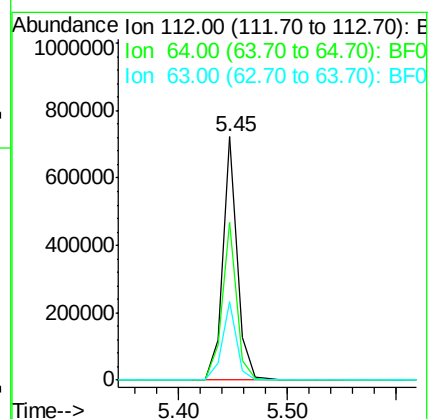
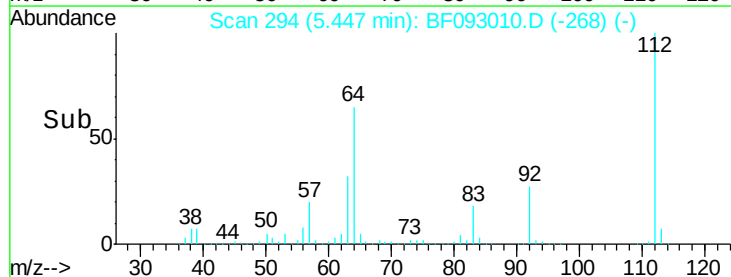
63 32.5 23.8 35.6

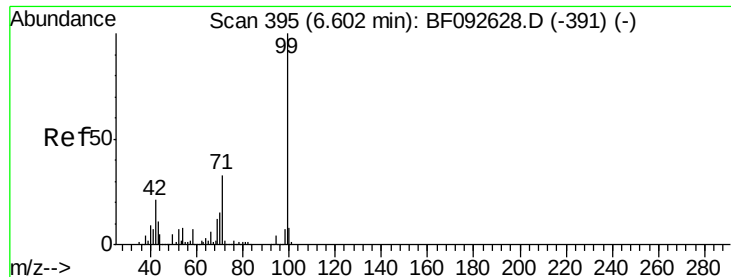


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 46.62 ng

RT: 6.49 min Scan# 385

Delta R.T. -0.00 min

Lab File: BF093010.D

Acq: 17 Feb 2017 15:09

Instrument :

BNA_F

ClientSampleId :

GROUNDWATER

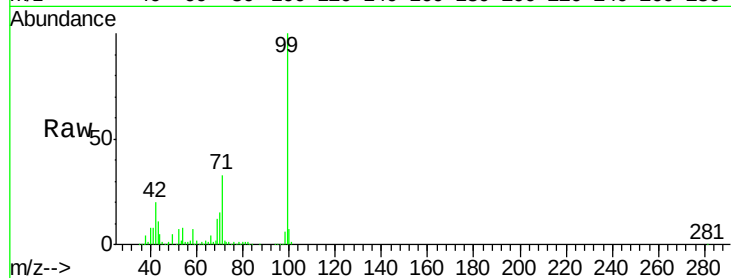
Tgt Ion: 99 Resp: 581825

Ion Ratio Lower Upper

99 100

42 20.5 15.6 23.4

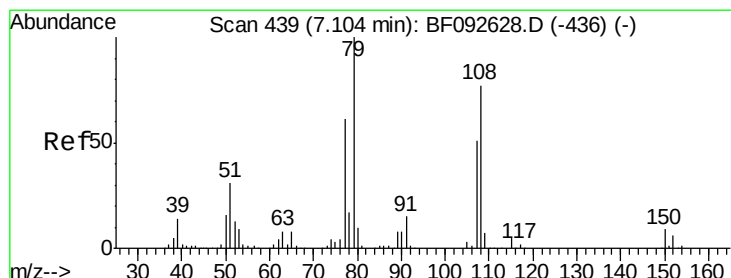
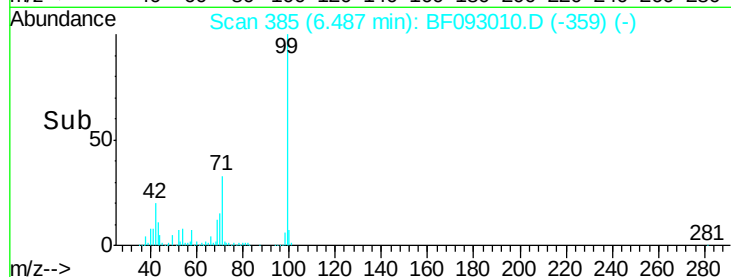
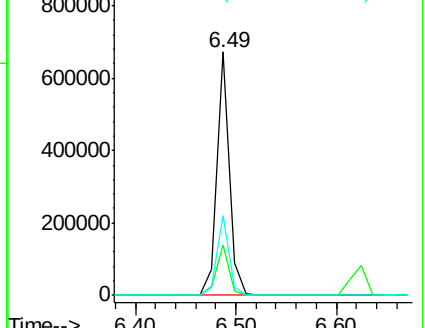
71 32.7 27.5 41.3



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



#15

Benzyl Alcohol

Concen: 2.14 ng

RT: 7.01 min Scan# 431

Delta R.T. 0.01 min

Lab File: BF093010.D

Acq: 17 Feb 2017 15:09

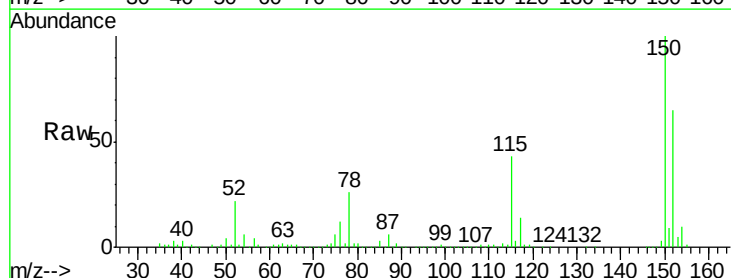
Tgt Ion: 79 Resp: 19726

Ion Ratio Lower Upper

79 100

108 28.6 61.4 92.0#

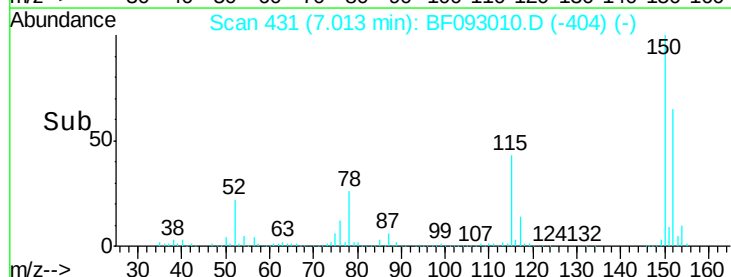
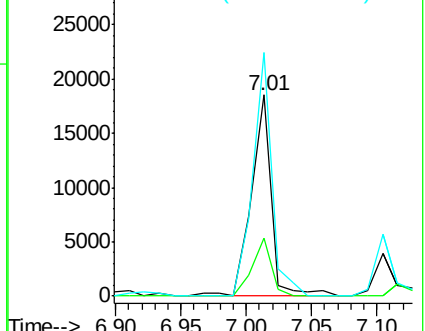
77 121.1 50.9 76.3#

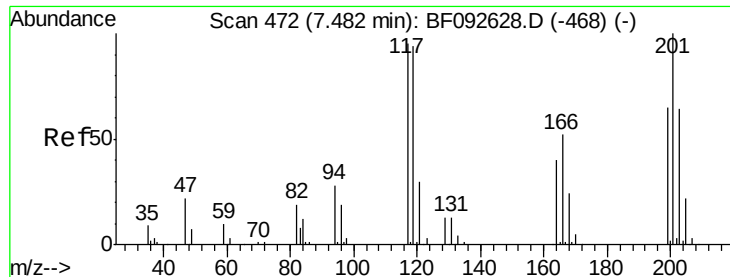


Abundance Ion 79.00 (78.70 to 79.70): BF0

Ion 108.00 (107.70 to 108.70): BF0

Ion 77.00 (76.70 to 77.70): BF0

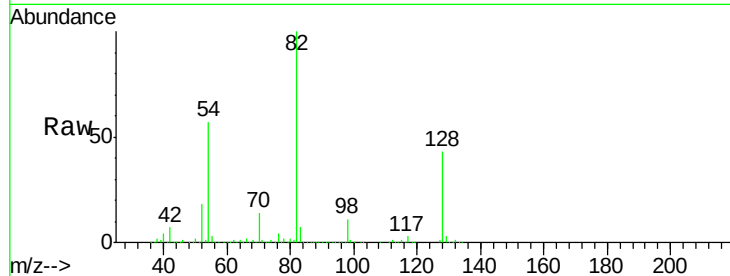




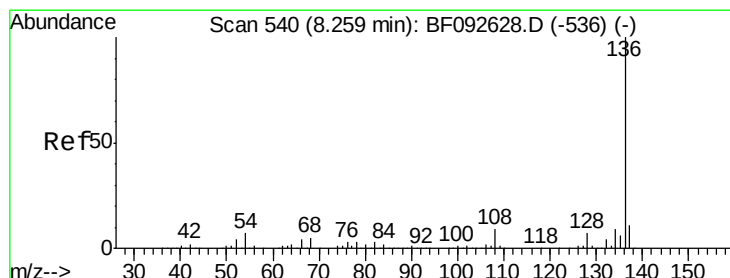
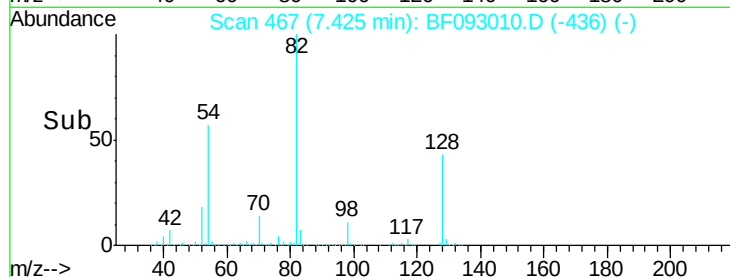
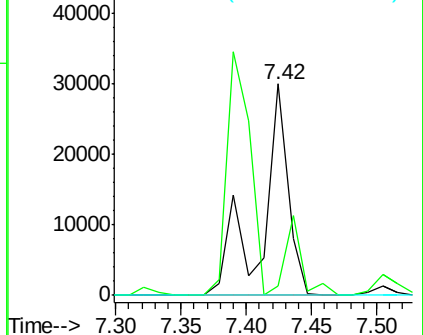
#18
Hexachloroethane
Concen: 9.87 ng
RT: 7.42 min Scan# 467
Delta R.T. 0.06 min
Lab File: BF093010.D
Acq: 17 Feb 2017 15:09

Instrument :
BNA_F
ClientSampleId :
GROUNDWATER

Tgt Ion:117 Resp: 42747
Ion Ratio Lower Upper
117 100
119 4.6 78.1 117.1#
201 0.0 78.6 117.8#

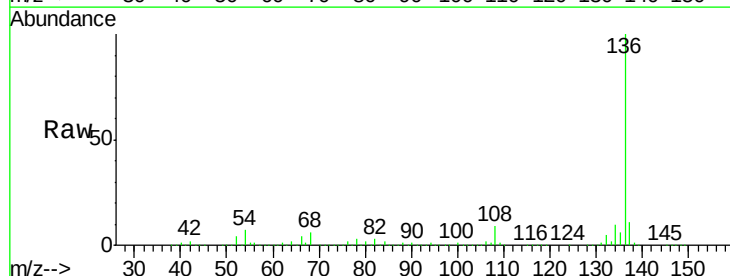


Abundance Ion 117.00 (116.70 to 117.70): E
Ion 119.00 (118.70 to 119.70): E
Ion 201.00 (200.70 to 201.70): E

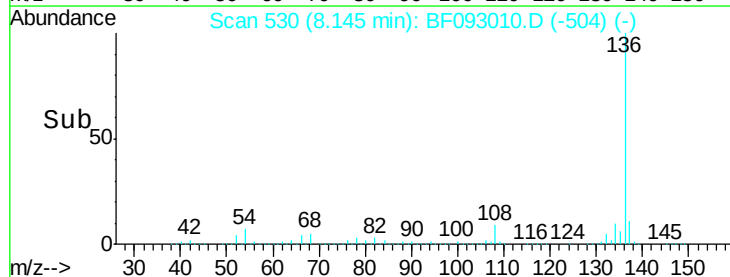
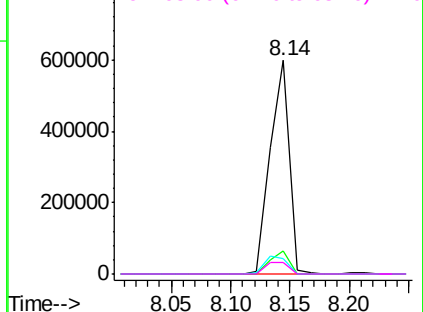


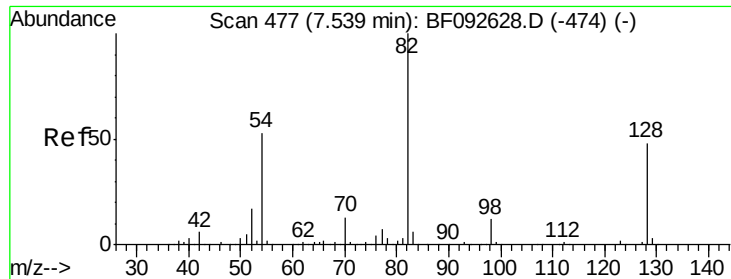
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.14 min Scan# 530
Delta R.T. -0.00 min
Lab File: BF093010.D
Acq: 17 Feb 2017 15:09

Tgt Ion:136 Resp: 671897
Ion Ratio Lower Upper
136 100
137 10.7 8.4 12.6
54 7.2 4.5 6.7#
68 5.5 3.6 5.4#



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

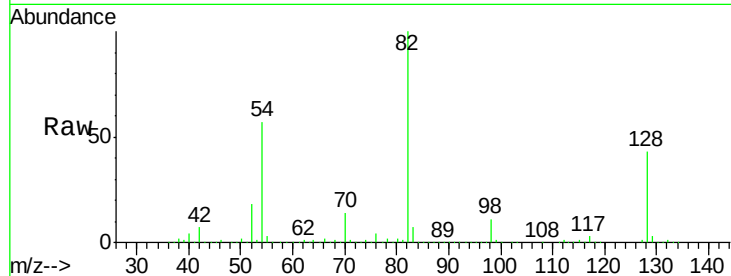




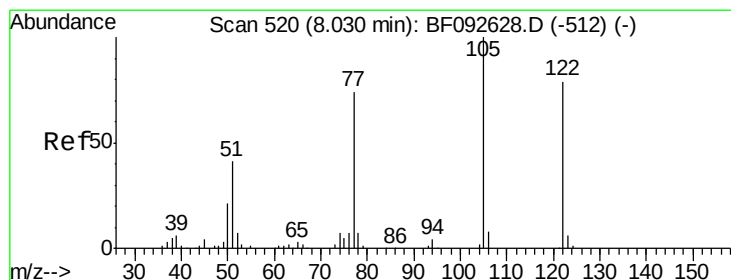
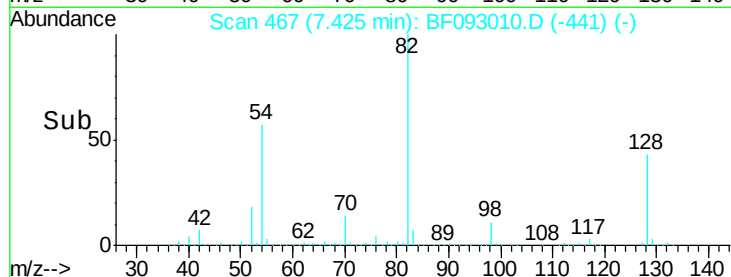
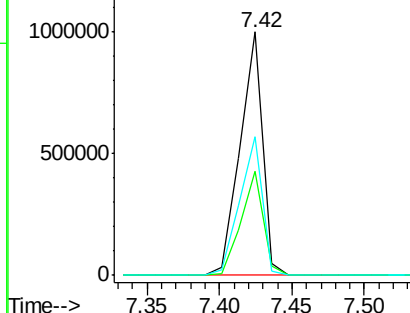
#23
 Nitrobenzene-d5
 Concen: 89.28 ng
 RT: 7.42 min Scan# 467
 Delta R.T. -0.00 min
 Lab File: BF093010.D
 Acq: 17 Feb 2017 15:09

Instrument :
 BNA_F
 ClientSampleId :
 GROUNDWATER

Tgt Ion: 82 Resp: 1077190
 Ion Ratio Lower Upper
 82 100
 128 42.6 34.6 52.0
 54 56.7 39.5 59.3

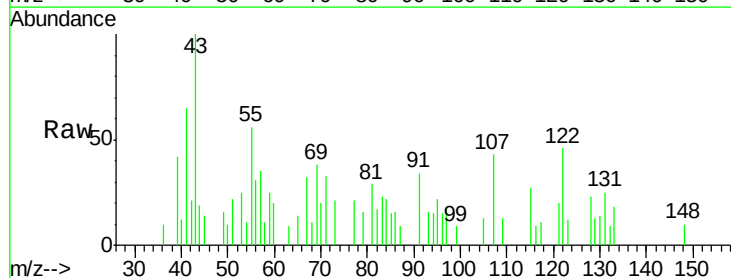


Abundance Ion 82.00 (81.70 to 82.70): BF0
 Ion 128.00 (127.70 to 128.70): E
 Ion 54.00 (53.70 to 54.70): BF0

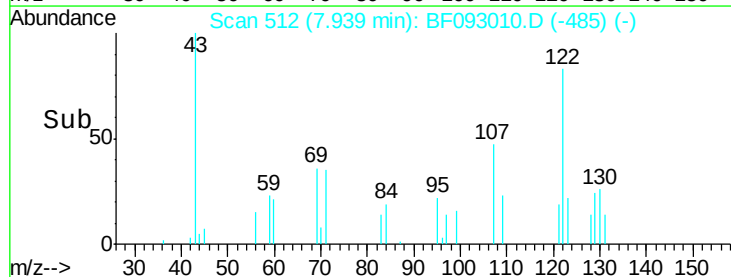
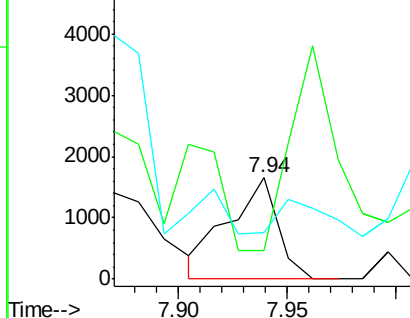


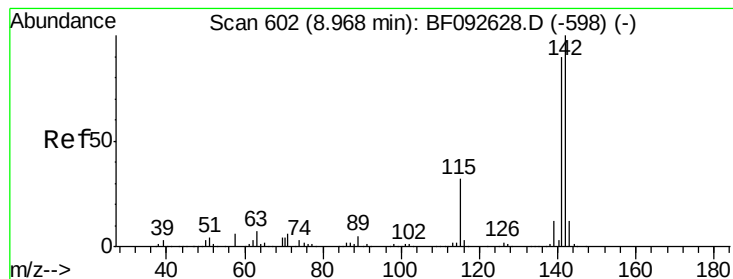
#32
 Benzoic acid
 Concen: 7.55 ng
 RT: 7.94 min Scan# 512
 Delta R.T. 0.01 min
 Lab File: BF093010.D
 Acq: 17 Feb 2017 15:09

Tgt Ion: 122 Resp: 2623
 Ion Ratio Lower Upper
 122 100
 105 28.1 107.2 147.2#
 77 46.0 74.5 114.5#



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

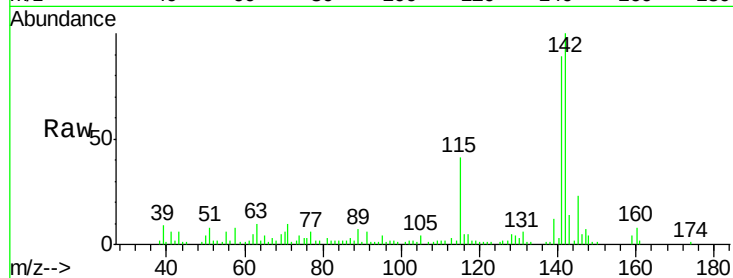




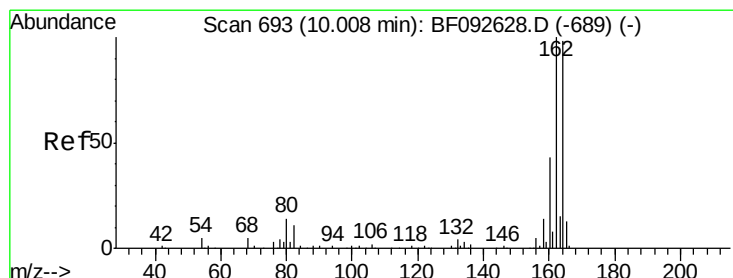
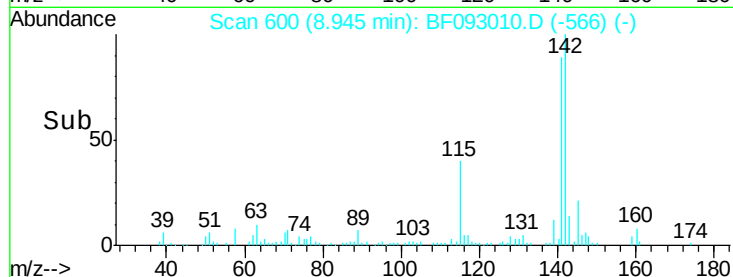
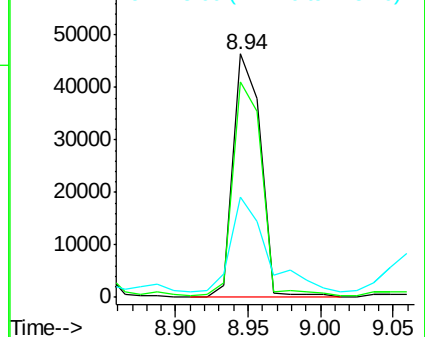
#37
 2-Methylnaphthalene
 Concen: 2.79 ng
 RT: 8.94 min Scan# 600
 Delta R.T. 0.09 min
 Lab File: BF093010.D
 Acq: 17 Feb 2017 15:09

Instrument :
 BNA_F
 ClientSampleId :
 GROUNDWATER

Tgt Ion:142 Resp: 60988
 Ion Ratio Lower Upper
 142 100
 141 88.6 71.0 106.6
 115 41.3 28.3 42.5

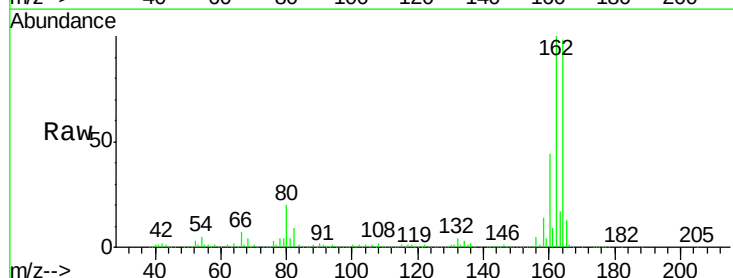


Abundance Ion 142.00 (141.70 to 142.70): E
 Ion 141.00 (140.70 to 141.70): E
 Ion 115.00 (114.70 to 115.70): E

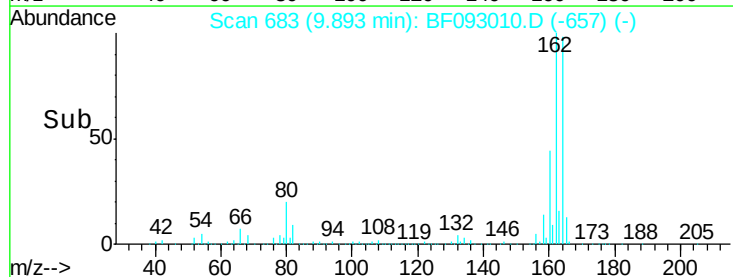
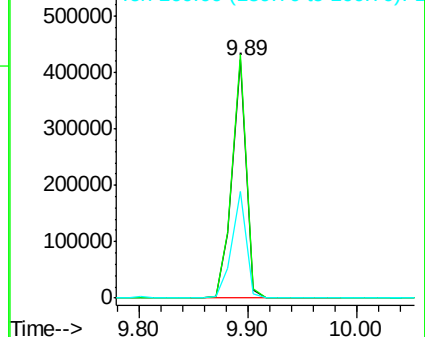


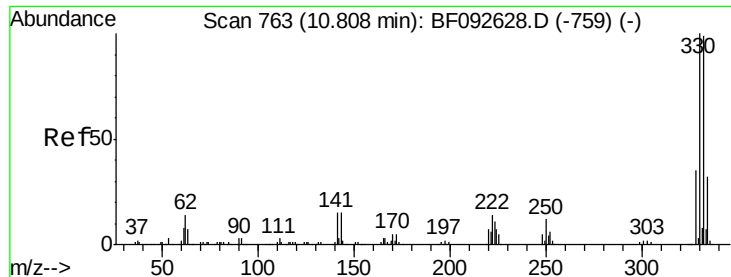
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.89 min Scan# 683
 Delta R.T. -0.00 min
 Lab File: BF093010.D
 Acq: 17 Feb 2017 15:09

Tgt Ion:164 Resp: 384491
 Ion Ratio Lower Upper
 164 100
 162 102.1 80.2 120.2
 160 44.7 36.9 55.3



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

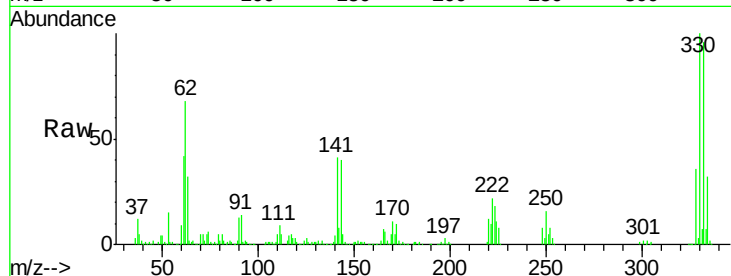




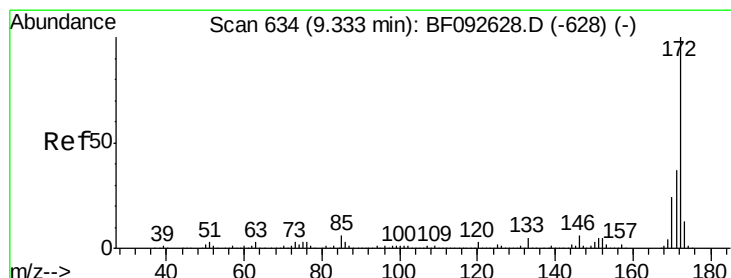
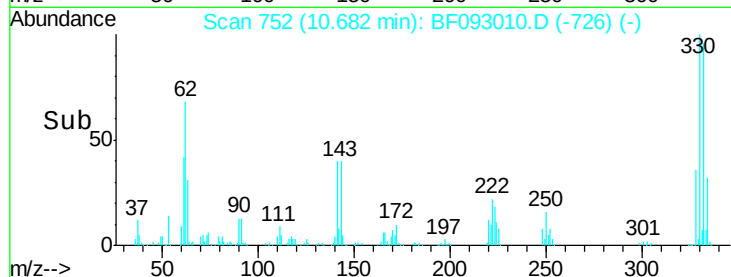
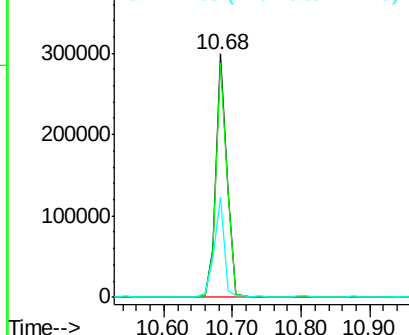
#41
 2,4,6-Tribromophenol
 Concen: 123.20 ng
 RT: 10.68 min Scan# 752
 Delta R.T. -0.00 min
 Lab File: BF093010.D
 Acq: 17 Feb 2017 15:09

Instrument :
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 ClientSampleId :
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Tgt Ion:330 Resp: 342615
 Ion Ratio Lower Upper
 330 100
 332 96.7 77.4 116.2
 141 36.6 34.1 51.1

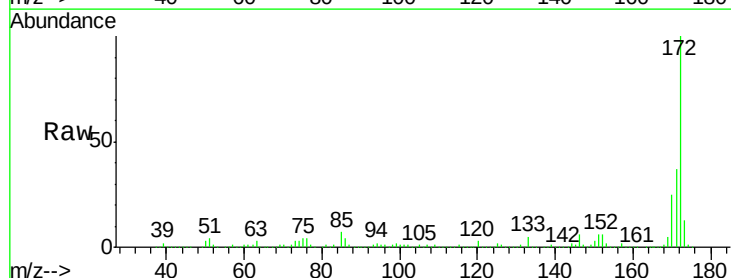


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

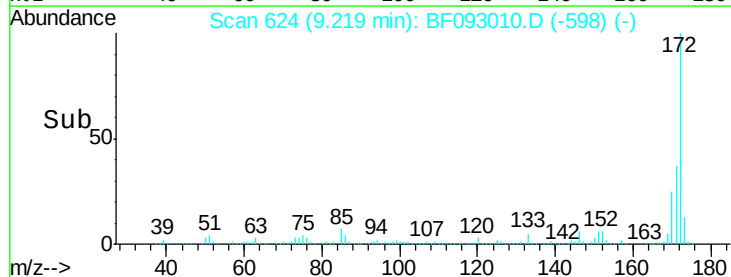
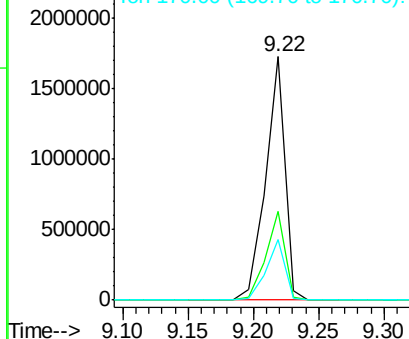


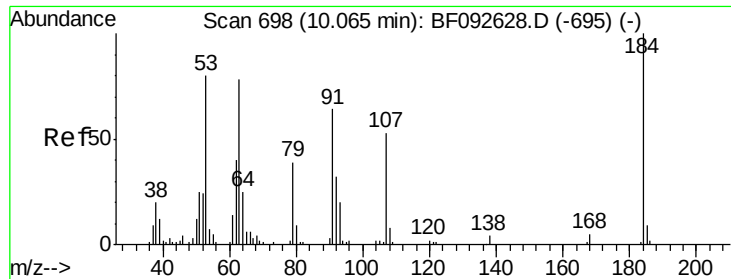
#44
 2-Fluorobiphenyl
 Concen: 84.54 ng
 RT: 9.22 min Scan# 624
 Delta R.T. -0.00 min
 Lab File: BF093010.D
 Acq: 17 Feb 2017 15:09

Tgt Ion:172 Resp: 1794240
 Ion Ratio Lower Upper
 172 100
 171 36.7 29.4 44.0
 170 24.8 20.2 30.4



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





#53

2,4-Dinitrophenol

Concen: 4.81 ng

RT: 10.11 min Scan# 702

Delta R.T. 0.15 min

Lab File: BF093010.D

Acq: 17 Feb 2017 15:09

Instrument :

BNA_F

ClientSampleId :

GROUNDWATER

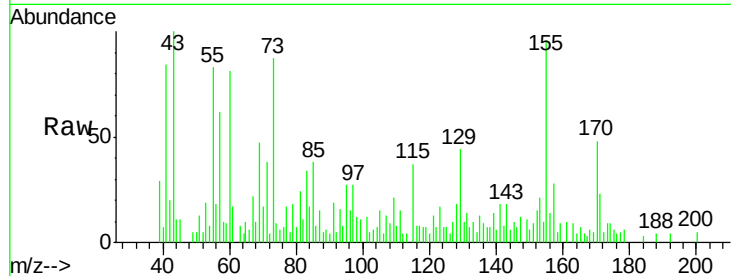
Tgt Ion:184 Resp: 217

Ion Ratio Lower Upper

184 100

63 236.3 28.4 42.6#

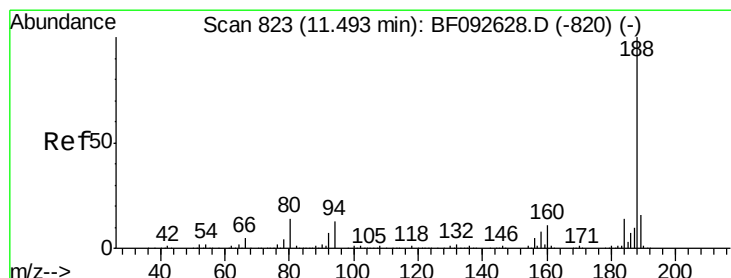
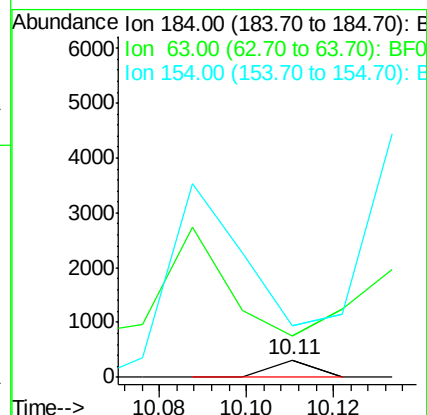
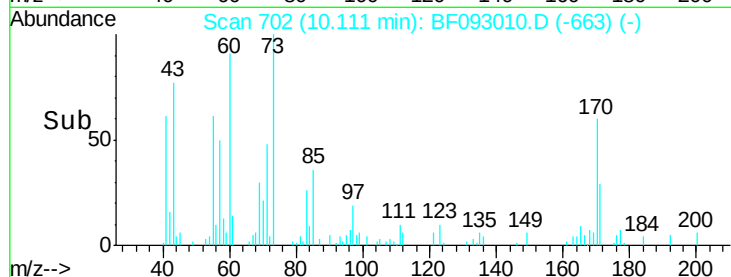
154 298.1 44.3 66.5#



Abundance Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 154.00 (153.70 to 154.70): E



#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.38 min Scan# 813

Delta R.T. -0.00 min

Lab File: BF093010.D

Acq: 17 Feb 2017 15:09

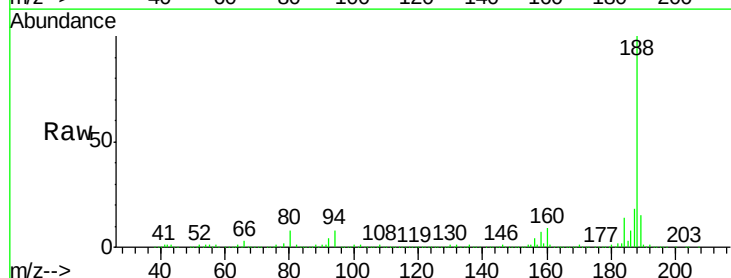
Tgt Ion:188 Resp: 614036

Ion Ratio Lower Upper

188 100

94 7.6 10.0 15.0#

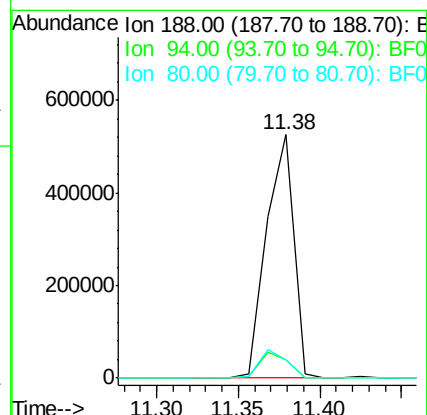
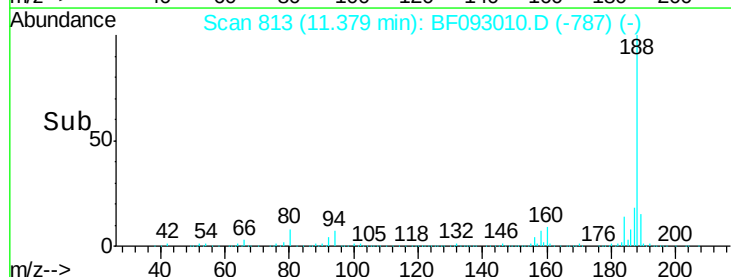
80 7.7 11.2 16.8#

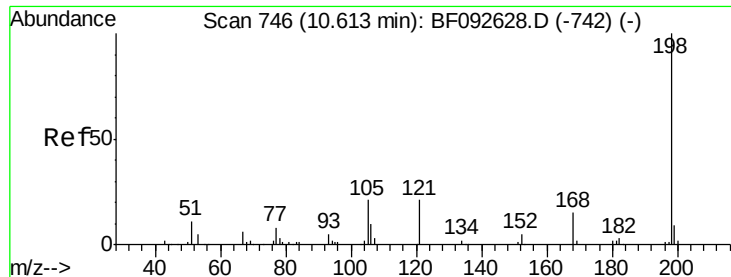


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0

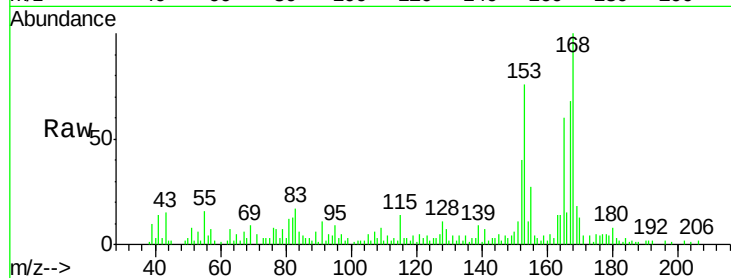




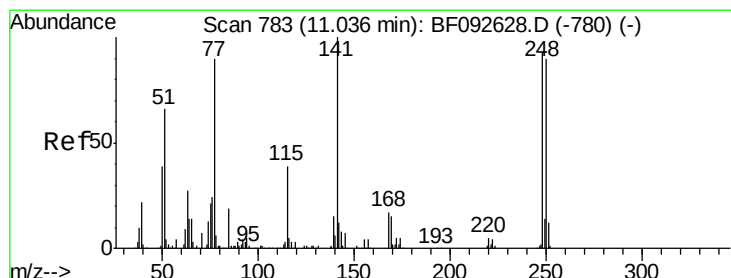
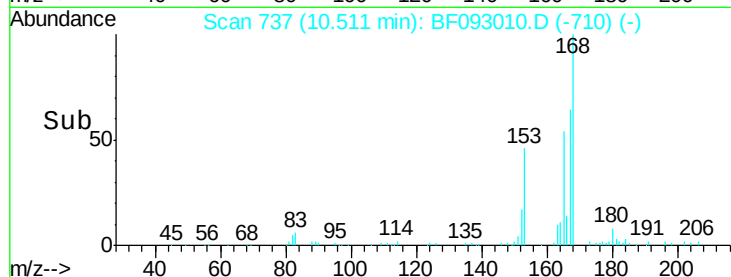
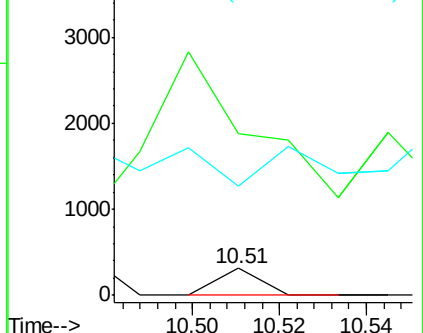
#64
 4,6-Dinitro-2-methylphenol
 Concen: 2.72 ng
 RT: 10.51 min Scan# 737
 Delta R.T. 0.01 min
 Lab File: BF093010.D
 Acq: 17 Feb 2017 15:09

Instrument :
 BNA_F
 ClientSampleId :
 GROUNDWATER

Tgt Ion:198 Resp: 217
 Ion Ratio Lower Upper
 198 100
 51 595.9 6.7 46.7#
 105 403.8 16.6 56.6#

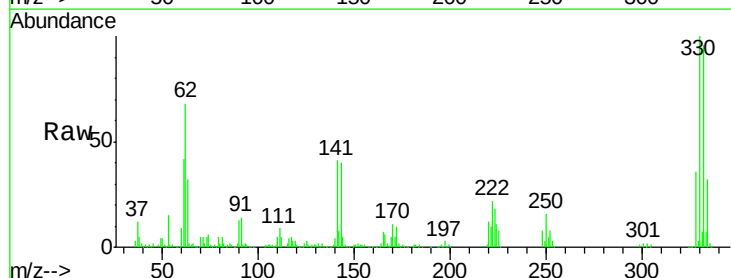


Abundance Ion 198.00 (197.70 to 198.70): E
 Ion 51.00 (50.70 to 51.70): BF0
 Ion 105.00 (104.70 to 105.70): E

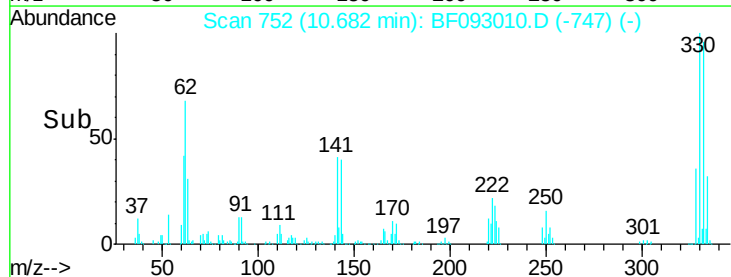
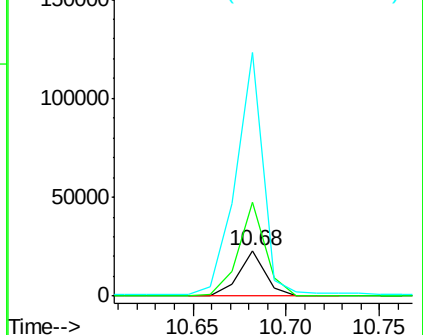


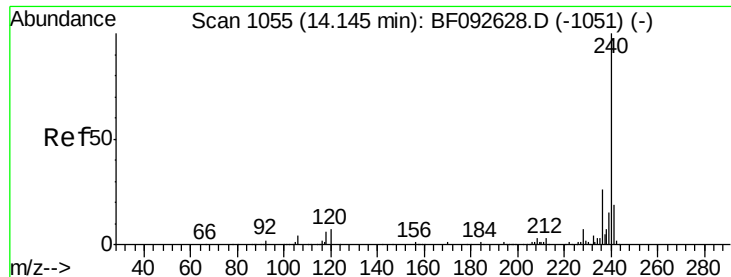
#66
 4-Bromophenyl-phenylether
 Concen: 3.68 ng
 RT: 10.68 min Scan# 752
 Delta R.T. -0.24 min
 Lab File: BF093010.D
 Acq: 17 Feb 2017 15:09

Tgt Ion:248 Resp: 23613
 Ion Ratio Lower Upper
 248 100
 250 206.1 76.9 115.3#
 141 533.8 68.2 102.4#



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: 14.01 min Scan# 1043

Delta R.T. -0.01 min

Lab File: BF093010.D

Acq: 17 Feb 2017 15:09

Instrument :

BNA_F

ClientSampleId :

GROUNDWATER

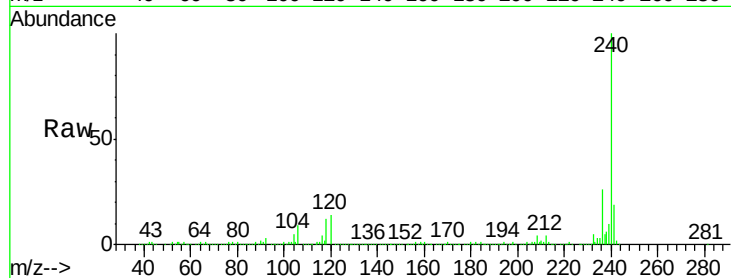
Tgt Ion:240 Resp: 529306

Ion Ratio Lower Upper

240 100

120 14.3 12.9 19.3

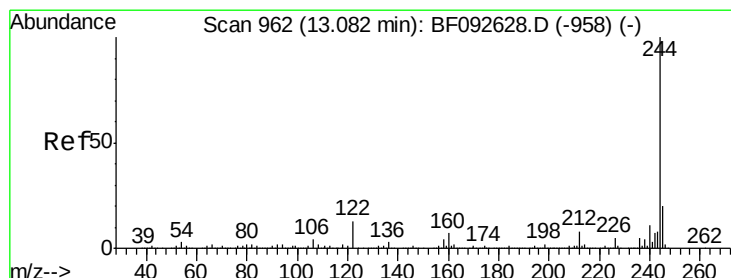
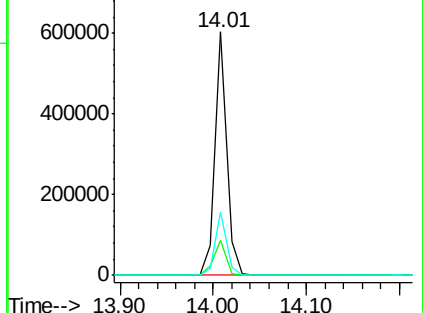
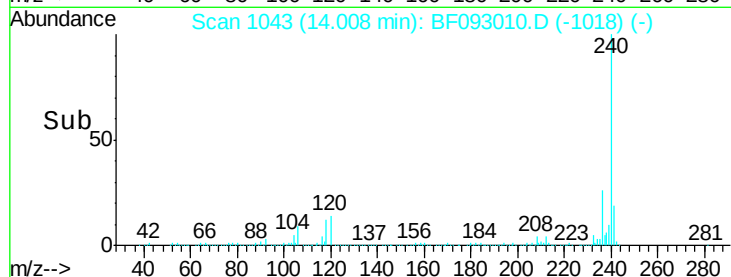
236 26.1 20.9 31.3



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: 76.17 ng

RT: 12.97 min Scan# 952

Delta R.T. -0.00 min

Lab File: BF093010.D

Acq: 17 Feb 2017 15:09

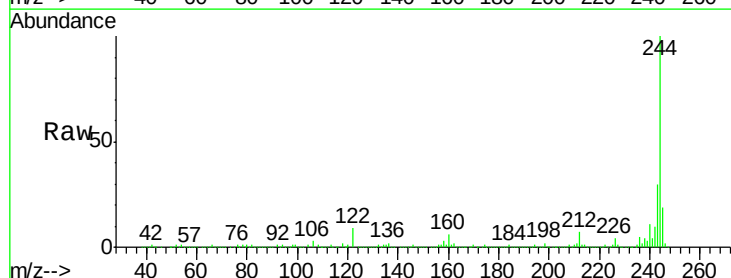
Tgt Ion:244 Resp: 1715819

Ion Ratio Lower Upper

244 100

212 7.2 6.2 9.2

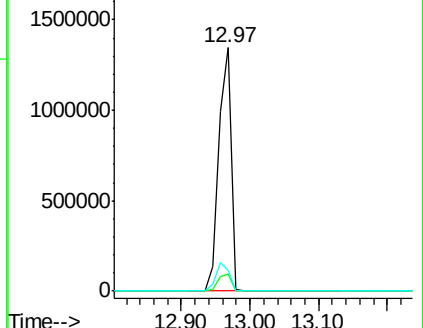
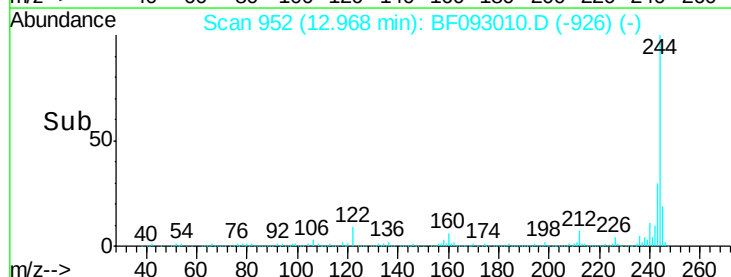
122 8.8 11.4 17.2#

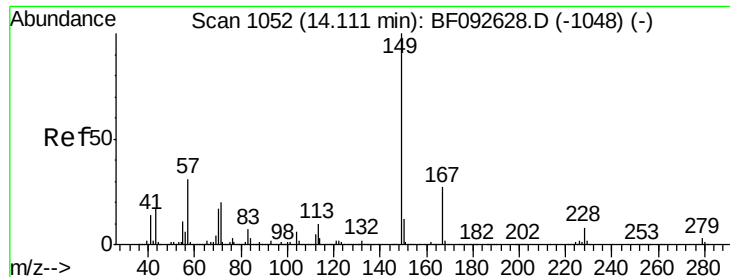


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#83

Bis(2-ethylhexyl)phthalate

Concen: 7.07 ng

RT: 13.99 min Scan# 1041

Delta R.T. -0.01 min

Lab File: BF093010.D

Acq: 17 Feb 2017 15:09

Instrument :

BNA_F

ClientSampleId :

GROUNDWATER

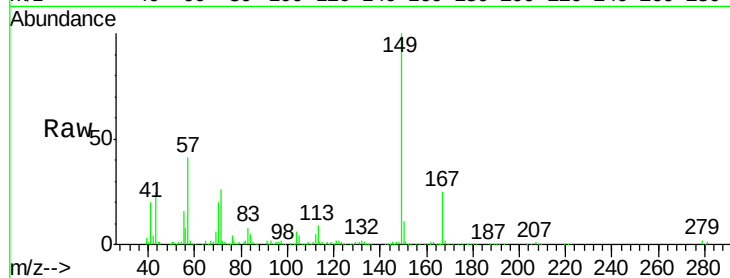
Tgt Ion:149 Resp: 155554

Ion Ratio Lower Upper

149 100

167 24.8 20.2 30.4

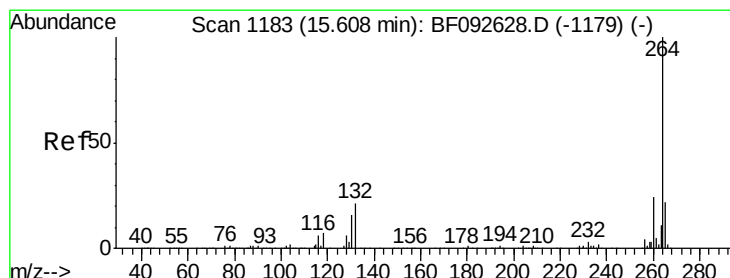
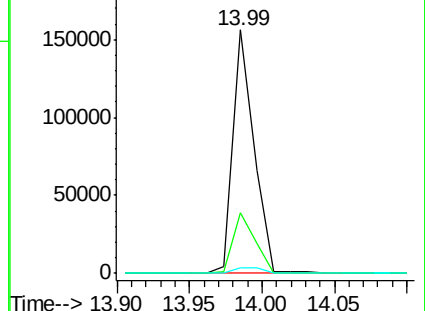
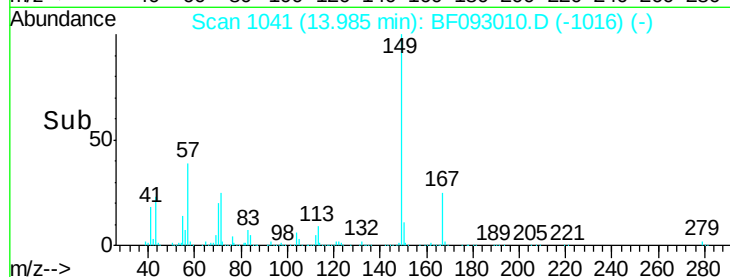
279 2.1 1.8 2.8



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: 15.44 min Scan# 1168

Delta R.T. -0.01 min

Lab File: BF093010.D

Acq: 17 Feb 2017 15:09

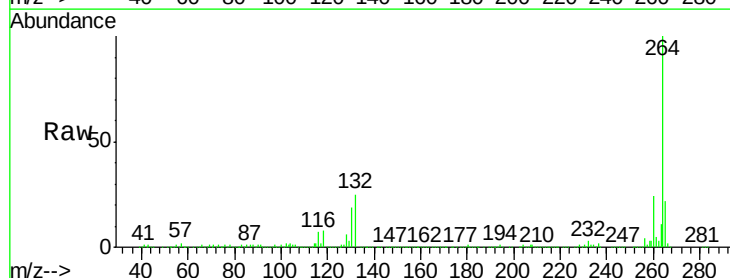
Tgt Ion:264 Resp: 475740

Ion Ratio Lower Upper

264 100

260 24.3 19.2 28.8

265 21.7 17.4 26.0



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

