

Data Path : Z:\HPCHEM1\BNA F\DATA\BF062616\
 Data File : BF088420.D
 Acq On : 26 Jun 2016 16:03
 Operator : UM/SJ
 Sample : H3684-02
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 GROUNDWATER

Quant Time: Jun 27 03:55:09 2016
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF060716.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jun 22 14:55:14 2016
 Response via : Initial Calibration

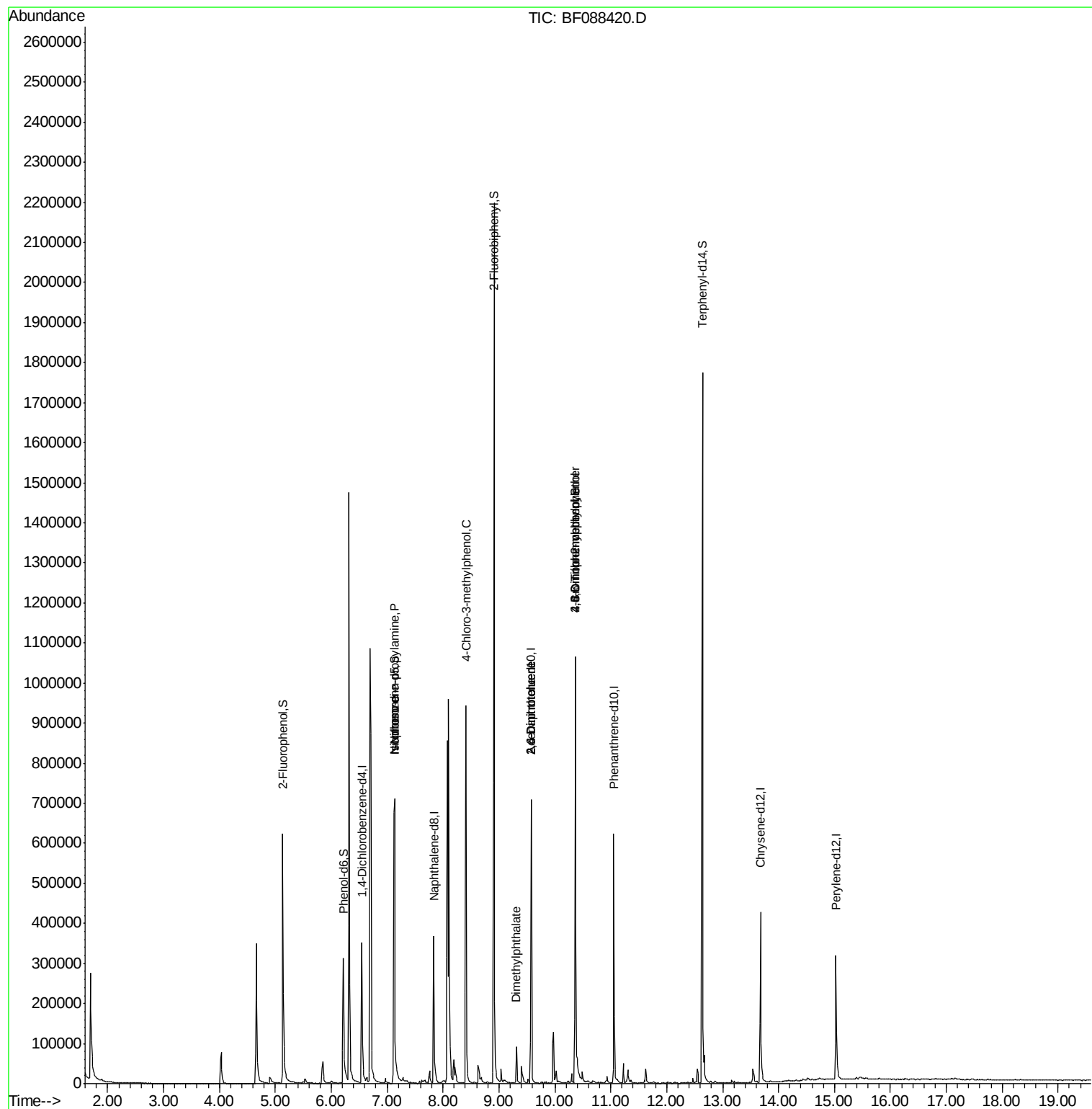
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.55	152	72687	20.00	ng	-0.06
21) Naphthalene-d8	7.84	136	297626	20.00	ng	-0.06
38) Acenaphthene-d10	9.58	164	143434	20.00	ng	-0.07
63) Phenanthrene-d10	11.05	188	260017	20.00	ng	-0.07
75) Chrysene-d12	13.68	240	186645	20.00	ng	-0.07
86) Perylene-d12	15.03	264	149127	20.00	ng	-0.08
System Monitoring Compounds						
5) 2-Fluorophenol	5.13	112	265751	62.50	ng	-0.05
7) Phenol-d6	6.22	99	193970	37.64	ng	-0.05
23) Nitrobenzene-d5	7.13	82	434550	85.26	ng	-0.05
41) 2,4,6-Tribromophenol	10.36	330	161371	106.55	ng	-0.07
44) 2-Fluorobiphenyl	8.91	172	792023	86.87	ng	-0.06
78) Terphenyl-d14	12.64	244	715310	87.21	ng	-0.06
Target Compounds						
10) Phenol	6.23	94	1691	Below Cal	#	1
19) n-Nitroso-di-n-propylamine	7.13	70	53754	16.31	ng	# 66
25) Isophorone	7.13	82	424228	44.94	ng	# 65
36) 4-Chloro-3-methylphenol	8.41	107	24883	5.72	ng	# 19
45) 1,1'-Biphenyl	9.02	154	248	Below Cal	#	43
49) Dimethylphthalate	9.31	163	39244	3.78	ng	# 99
50) 2,6-Dinitrotoluene	9.58	165	18229	7.66	ng	# 39
56) 2,4-Dinitrotoluene	9.58	165	18229	5.96	ng	# 37
57) Fluorene	10.36	166	7126	Below Cal	#	87
64) 4,6-Dinitro-2-methylphenol	10.36	198	283	2.33	ng	# 1
66) 4-Bromophenyl-phenylether	10.36	248	10000	3.58	ng	# 1

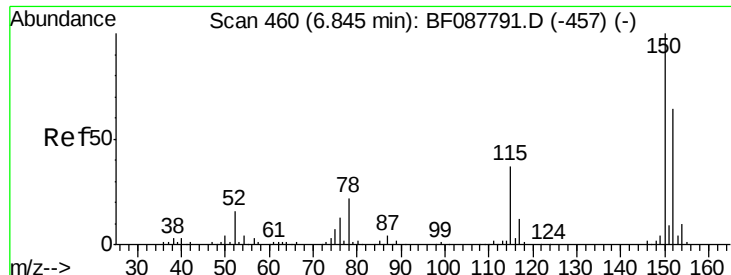
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.55 min Scan# 434

Delta R.T. -0.06 min

Lab File: BF088420.D

Acq: 26 Jun 2016 16:03

Instrument :

BNA_F

ClientSampleId :

GROUNDWATER

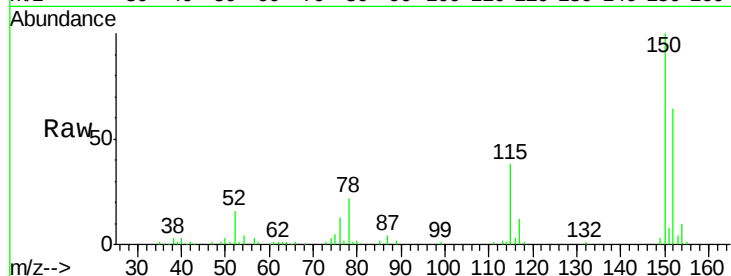
Tot Ion:152 Resp: 72687

Ion Ratio Lower Upper

152 100

150 156.5 123.8 185.6

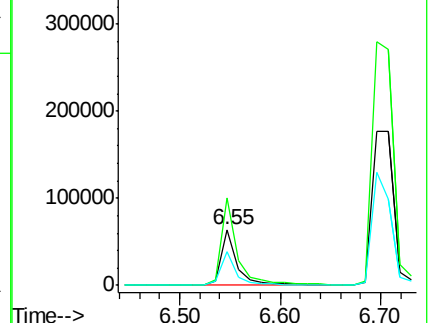
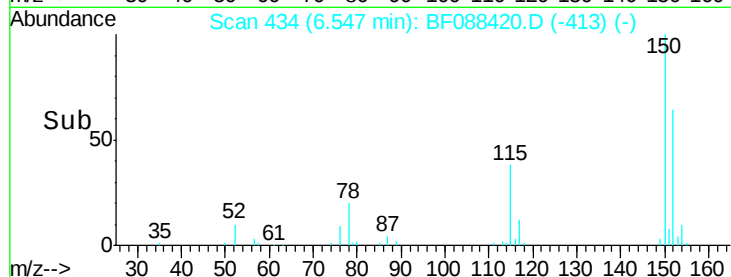
115 59.4 39.6 59.4



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: 62.50 ng

RT: 5.13 min Scan# 310

Delta R.T. -0.05 min

Lab File: BF088420.D

Acq: 26 Jun 2016 16:03

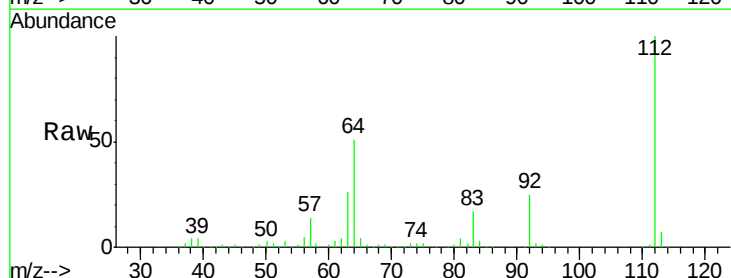
Tgt Ion:112 Resp: 265751

Ion Ratio Lower Upper

112 100

64 51.3 42.2 63.2

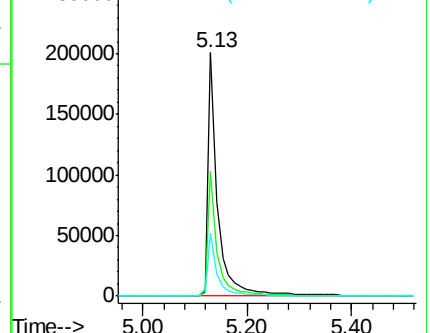
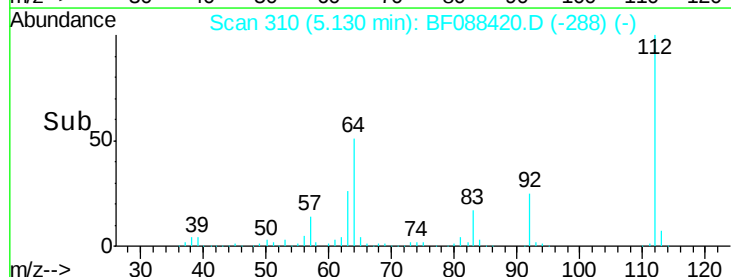
63 25.8 21.8 32.8



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: 37.64 ng

RT: 6.22 min Scan# 405

Delta R.T. -0.05 min

Lab File: BF088420.D

Acq: 26 Jun 2016 16:03

Instrument :

BNA_F

ClientSampleId :

GROUNDWATER

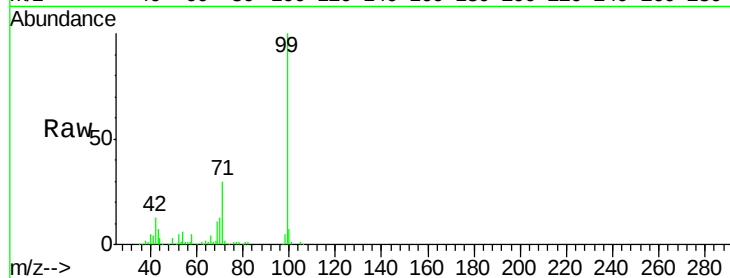
Tot Ion: 99 Resp: 193970

Ion Ratio Lower Upper

99 100

42 12.6 12.2 18.2

71 30.2 23.4 35.0



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

150000

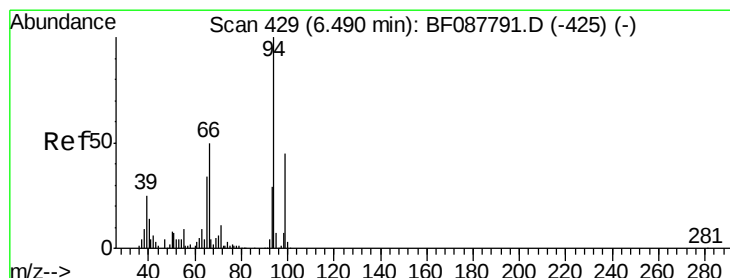
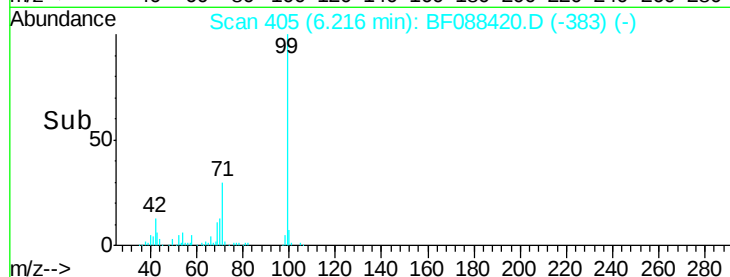
6.22

100000

50000

0

Time-->



#10

Phenol

Concen: Below Cal

RT: 6.23 min Scan# 406

Delta R.T. -0.05 min

Lab File: BF088420.D

Acq: 26 Jun 2016 16:03

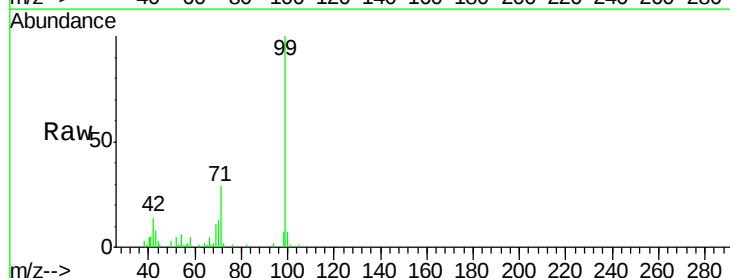
Tgt Ion: 94 Resp: 1691

Ion Ratio Lower Upper

94 100

65 56.9 5.9 45.9#

66 222.4 14.0 54.0#



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

150000

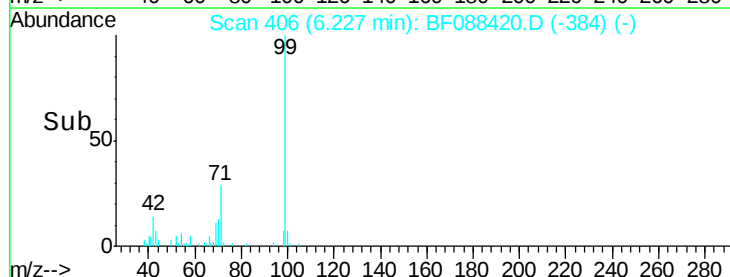
6.23

100000

50000

0

Time-->





#19

n-Nitroso-di-n-propylamine

Concen: 16.31 ng

RT: 7.13 min Scan# 485

Delta R.T. 0.09 min

Lab File: BF088420.D

Acq: 26 Jun 2016 16:03

Instrument :

BNA_F

ClientSampleId :

GROUNDWATER

Tot Ion: 70 Resp: 53754

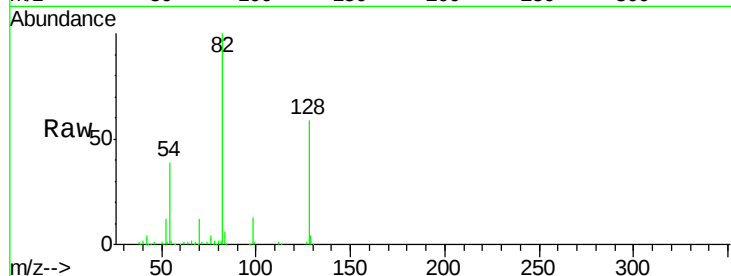
Ion Ratio Lower Upper

70 100

42 34.9 49.6 74.4#

101 0.0 7.1 10.7#

130 3.1 15.4 23.2#

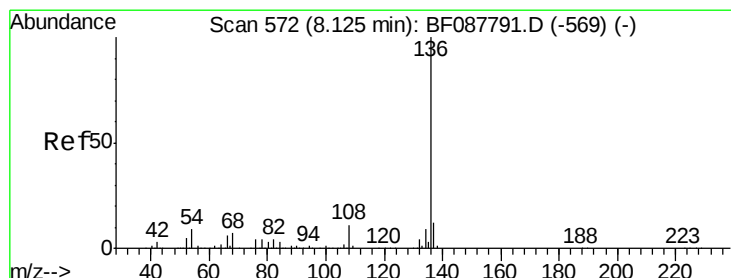
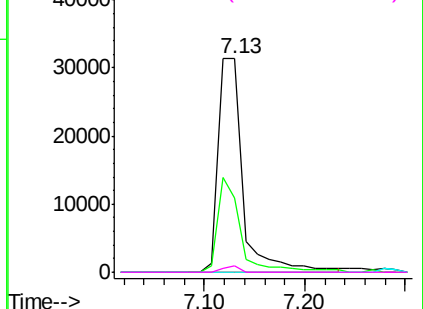
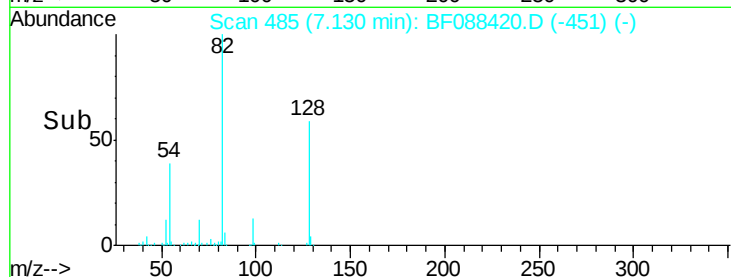


Abundance Ion 70.00 (69.70 to 70.70): BF0

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: 7.84 min Scan# 547

Delta R.T. -0.06 min

Lab File: BF088420.D

Acq: 26 Jun 2016 16:03

Tgt Ion: 136 Resp: 297626

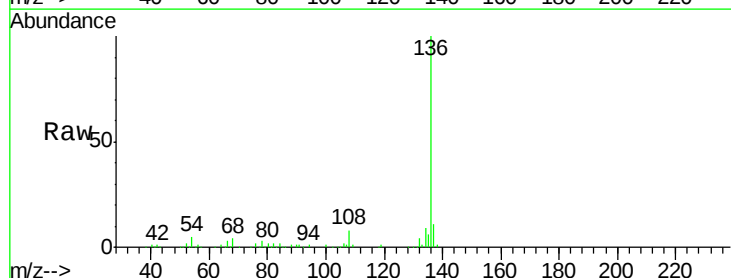
Ion Ratio Lower Upper

136 100

137 10.5 9.1 13.7

54 4.7 6.6 10.0#

68 4.1 5.1 7.7#

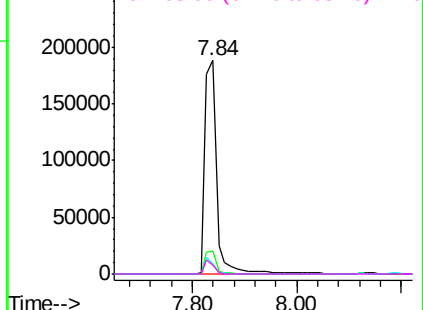
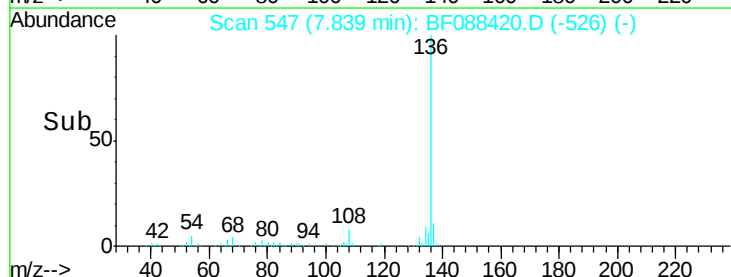


Abundance Ion 136.00 (135.70 to 136.70): BF0

Ion 137.00 (136.70 to 137.70): BF0

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0

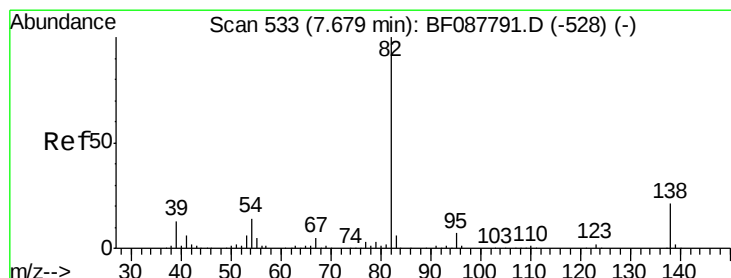
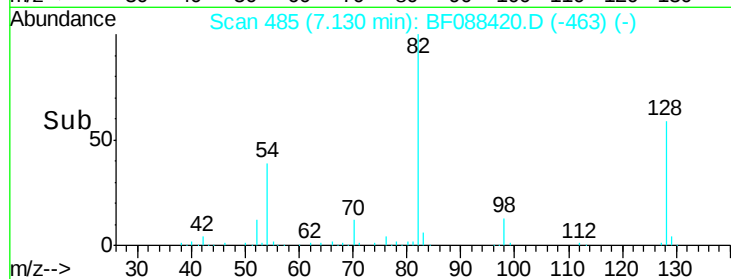
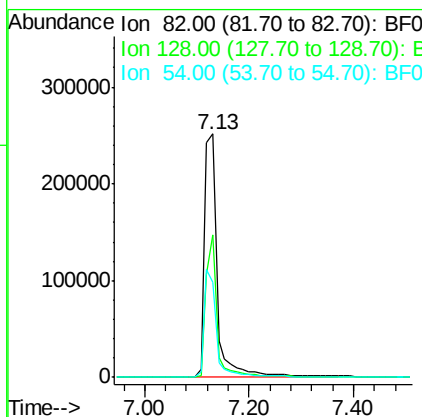
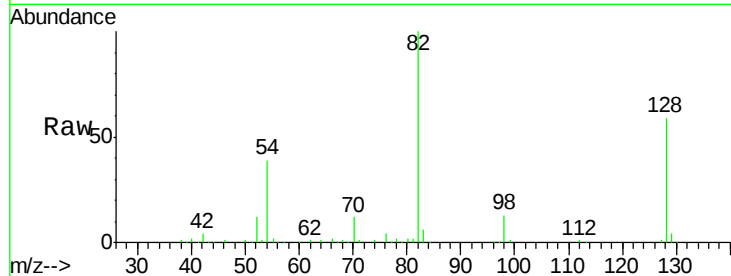




#23
Nitrobenzene-d5
Concen: 85.26 ng
RT: 7.13 min Scan# 485
Delta R.T. -0.05 min
Lab File: BF088420.D
Acq: 26 Jun 2016 16:03

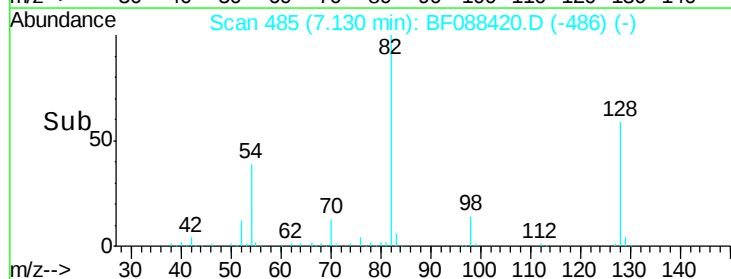
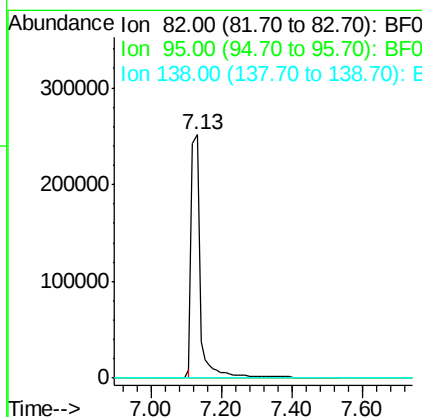
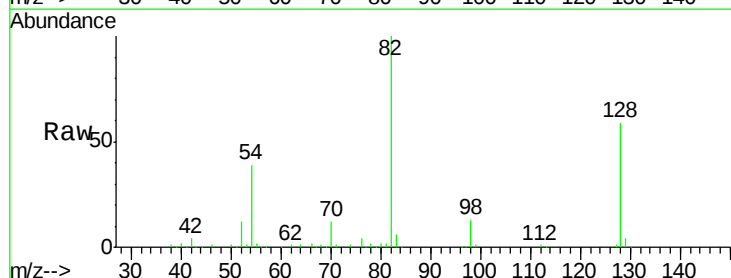
Instrument :
BNA_F
ClientSampleId :
GROUNDWATER

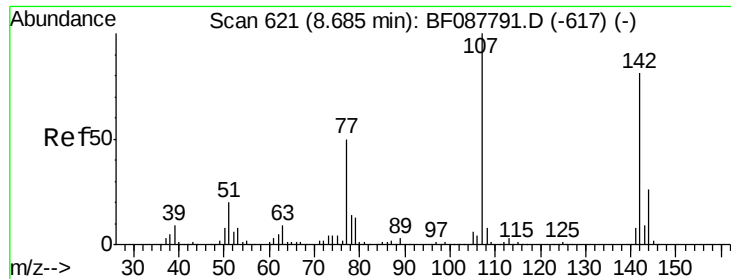
Tot Ion: 82 Resp: 434550
Ion Ratio Lower Upper
82 100
128 58.5 35.9 53.9#
54 39.2 40.9 61.3#



#25
Isophorone
Concen: 44.94 ng
RT: 7.13 min Scan# 485
Delta R.T. -0.31 min
Lab File: BF088420.D
Acq: 26 Jun 2016 16:03

Tgt Ion: 82 Resp: 424228
Ion Ratio Lower Upper
82 100
95 0.0 5.4 8.2#
138 0.0 14.6 21.8#





#36

4-Chloro-3-methylphenol

Concen: 5.72 ng

RT: 8.41 min Scan# 597

Delta R.T. -0.07 min

Lab File: BF088420.D

Acq: 26 Jun 2016 16:03

Instrument :

BNA_F

ClientSampleId :

GROUNDWATER

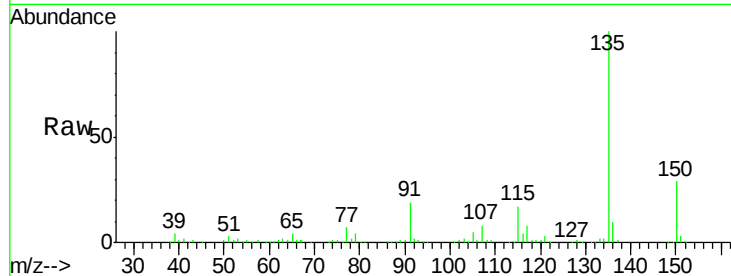
Tot Ion:107 Resp: 24883

Ion Ratio Lower Upper

107 100

144 0.0 20.8 31.2#

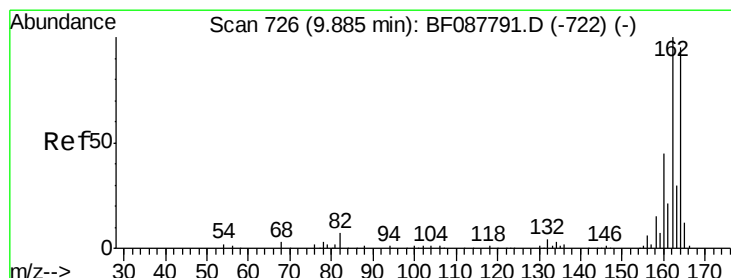
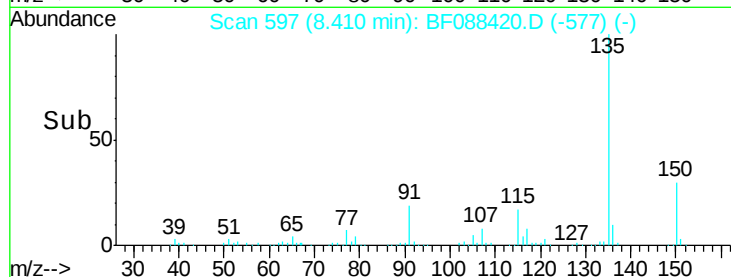
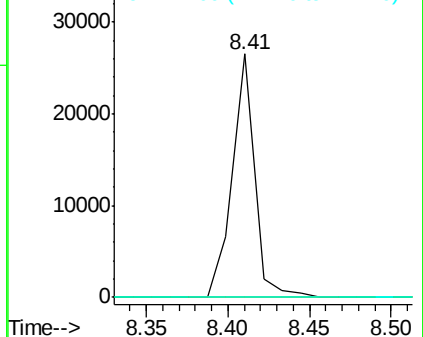
142 0.0 63.4 95.2#



Abundance Ion 107.00 (106.70 to 107.70): E

Ion 144.00 (143.70 to 144.70): E

Ion 142.00 (141.70 to 142.70): E



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.58 min Scan# 699

Delta R.T. -0.07 min

Lab File: BF088420.D

Acq: 26 Jun 2016 16:03

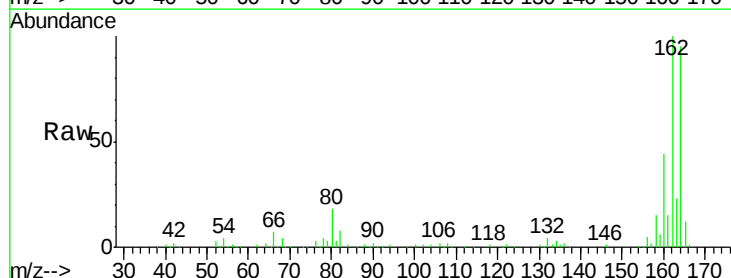
Tgt Ion:164 Resp: 143434

Ion Ratio Lower Upper

164 100

162 105.7 85.4 128.2

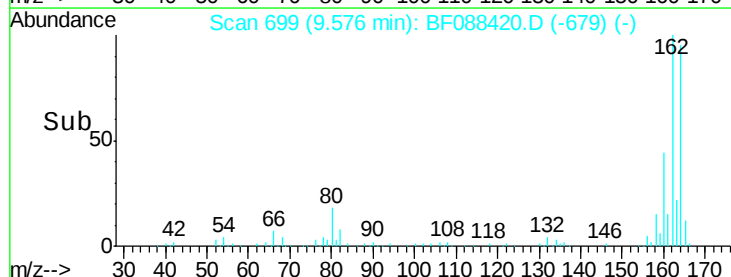
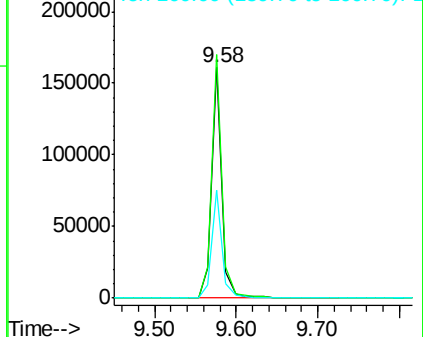
160 47.0 39.5 59.3

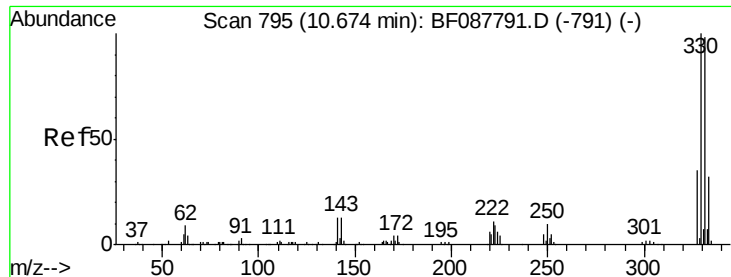


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E





#41

2,4,6-Tribromophenol

Concen: 106.55 ng

RT: 10.36 min Scan# 768

Delta R.T. -0.07 min

Lab File: BF088420.D

Acq: 26 Jun 2016 16:03

Instrument :

BNA_F

ClientSampleId :

GROUNDWATER

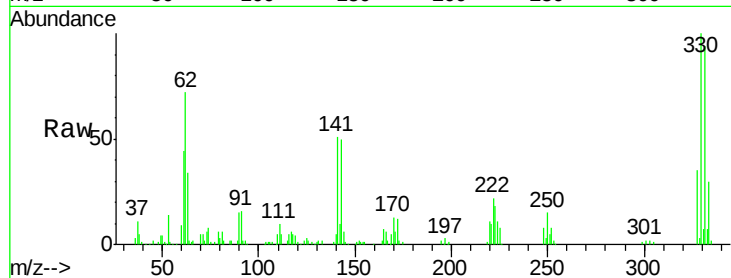
Tot Ion:330 Resp: 161371

Ion Ratio Lower Upper

330 100

332 96.3 0.0 0.0#

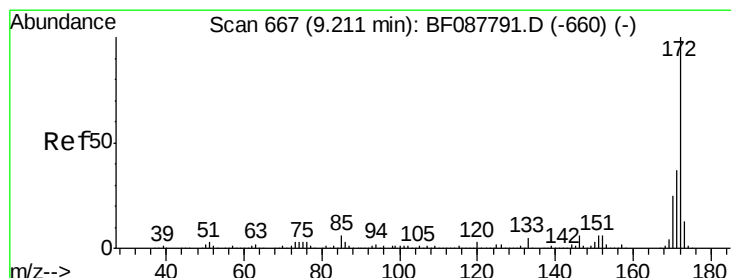
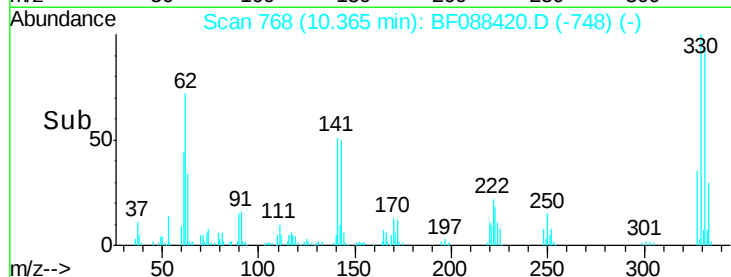
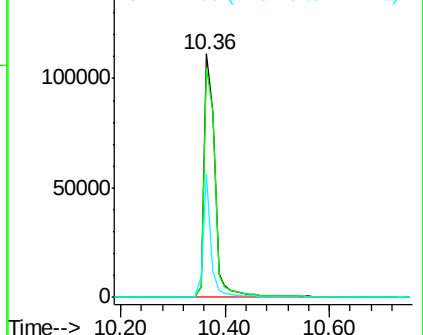
141 37.8 0.0 0.0#



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: 86.87 ng

RT: 8.91 min Scan# 641

Delta R.T. -0.06 min

Lab File: BF088420.D

Acq: 26 Jun 2016 16:03

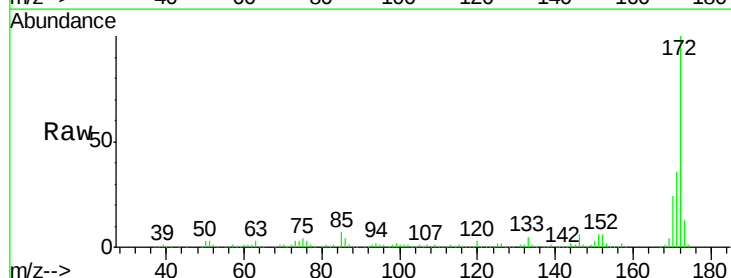
Tgt Ion:172 Resp: 792023

Ion Ratio Lower Upper

172 100

171 36.2 28.6 43.0

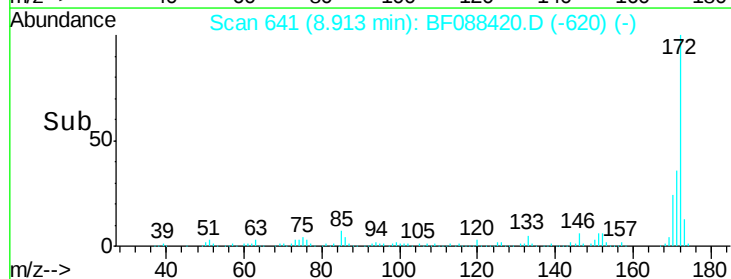
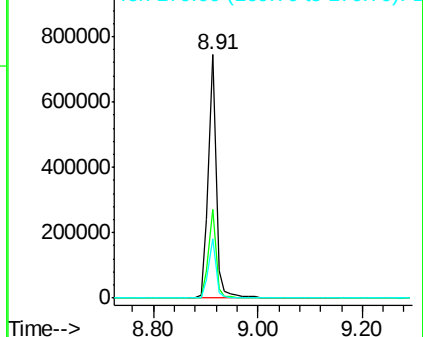
170 24.4 19.2 28.8

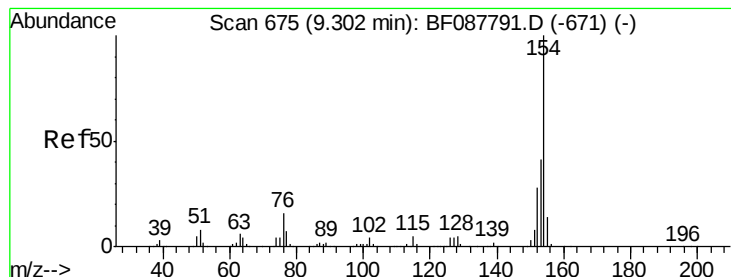


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





#45

1,1'-Biphenyl

Concen: Below Cal

RT: 9.02 min Scan# 650

Delta R.T. -0.06 min

Lab File: BF088420.D

Acq: 26 Jun 2016 16:03

Instrument :

BNA_F

ClientSampleId :

GROUNDWATER

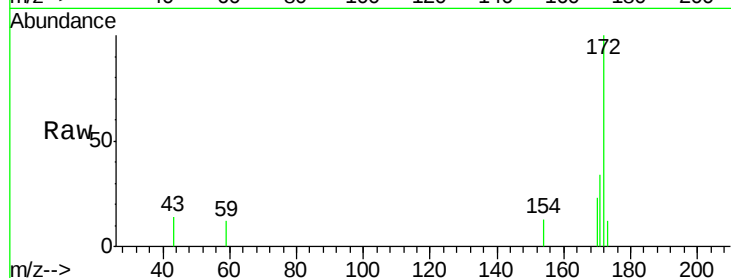
Tot Ion:154 Resp: 248

Ion Ratio Lower Upper

154 100

153 0.0 20.6 60.6#

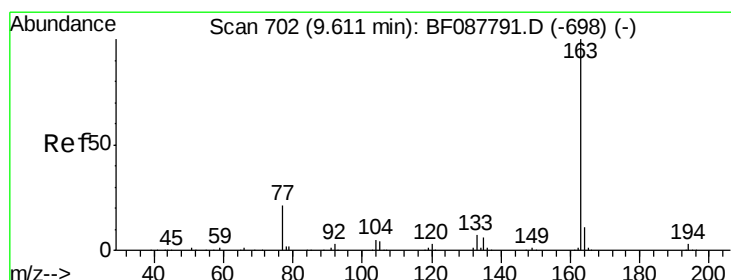
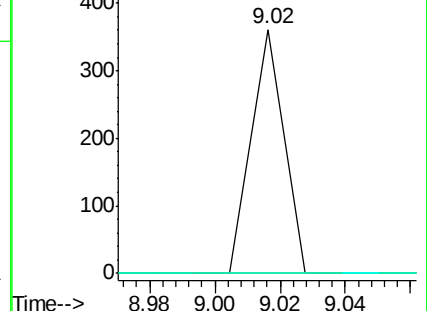
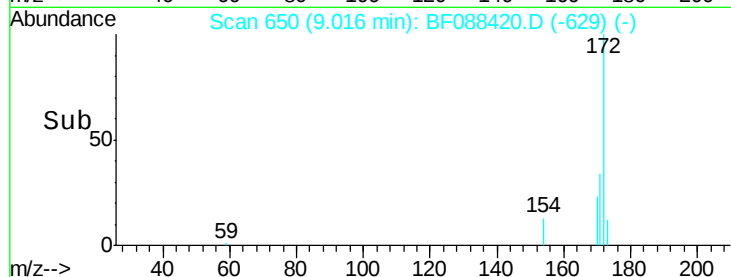
76 0.0 0.0 35.1



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 76.00 (75.70 to 76.70): BF0



#49

Dimethylphthalate

Concen: 3.78 ng

RT: 9.31 min Scan# 676

Delta R.T. -0.07 min

Lab File: BF088420.D

Acq: 26 Jun 2016 16:03

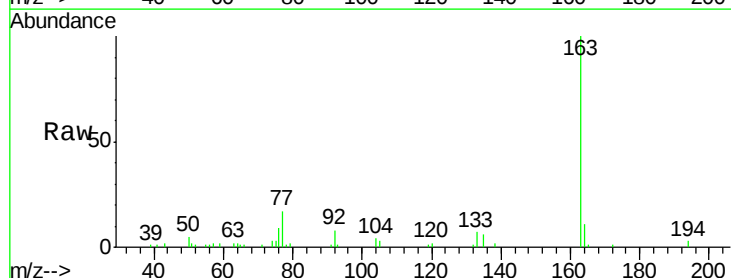
Tgt Ion:163 Resp: 39244

Ion Ratio Lower Upper

163 100

194 3.4 2.8 4.2

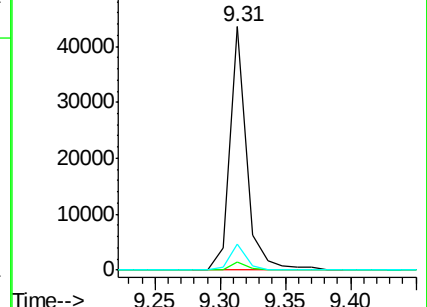
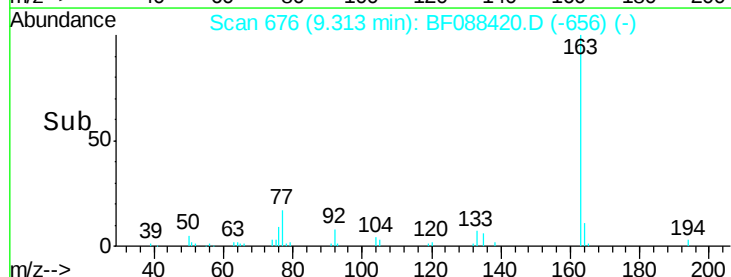
164 10.8 8.3 12.5

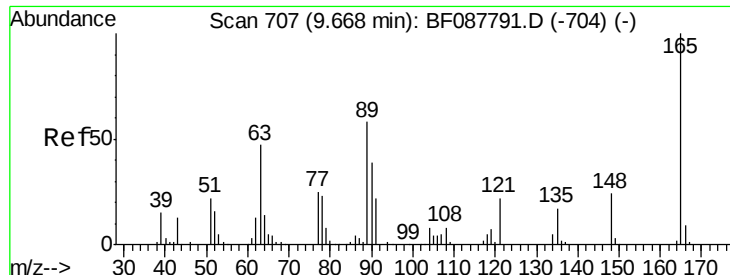


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E

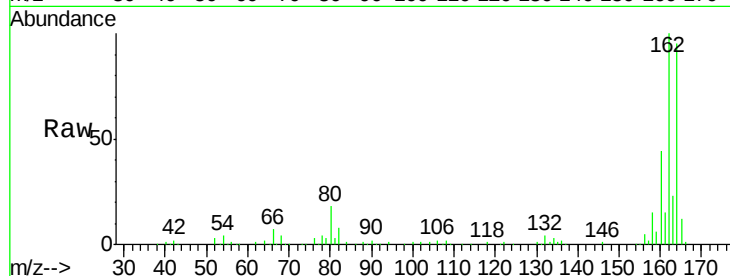




#50
2,6-Dinitrotoluene
Concen: 7.66 ng
RT: 9.58 min Scan# 699
Delta R.T. 0.13 min
Lab File: BF088420.D
Acq: 26 Jun 2016 16:03

Instrument :
BNA_F
ClientSampleId :
GROUNDWATER

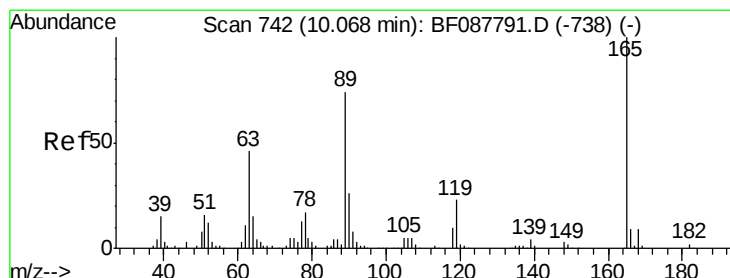
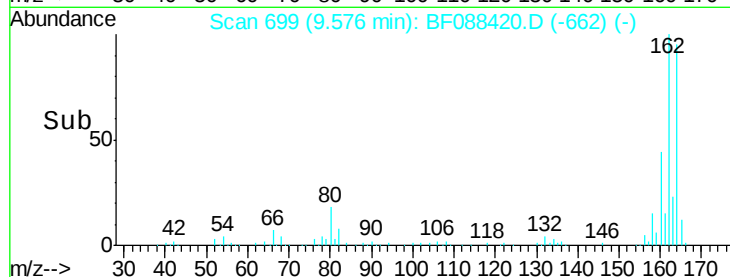
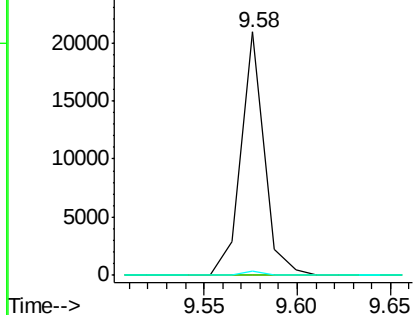
Tot Ion	Ratio	Lower	Upper
165	100		
63	0.0	28.1	42.1#
89	1.5	32.2	48.2#



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: 5.96 ng
RT: 9.58 min Scan# 699
Delta R.T. -0.27 min
Lab File: BF088420.D
Acq: 26 Jun 2016 16:03

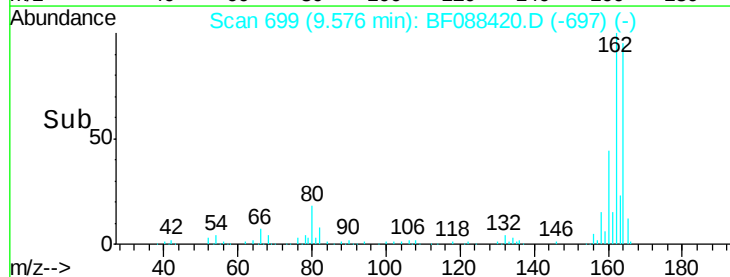
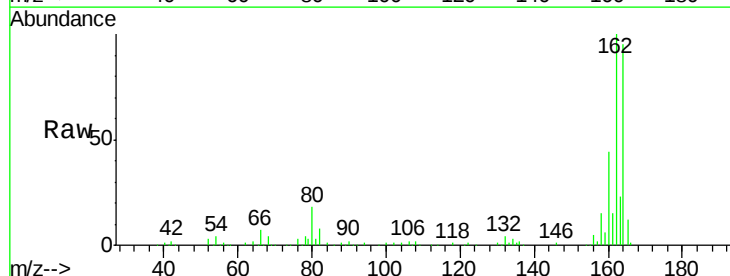
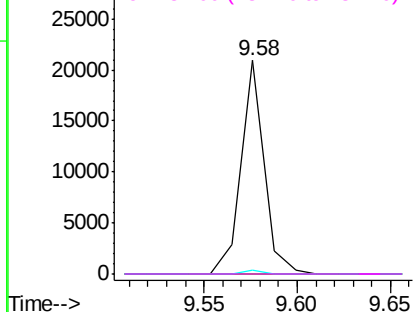
Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.0	22.0	33.0#
89	1.5	41.1	61.7#
182	0.0	2.0	3.0#

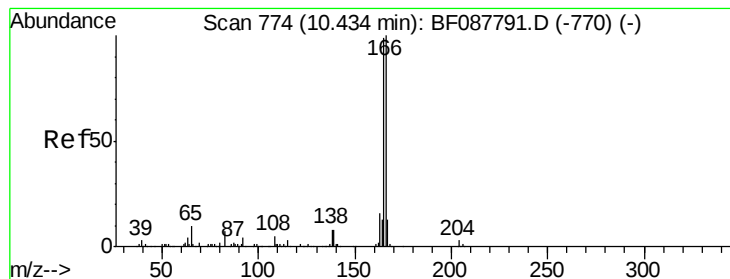
Abundance Ion 165.00 (164.70 to 165.70): E

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





#57

Fluorene

Concen: Below Cal

RT: 10.36 min Scan# 768

Delta R.T. 0.17 min

Lab File: BF088420.D

Acq: 26 Jun 2016 16:03

Instrument :

BNA_F

ClientSampleId :

GROUNDWATER

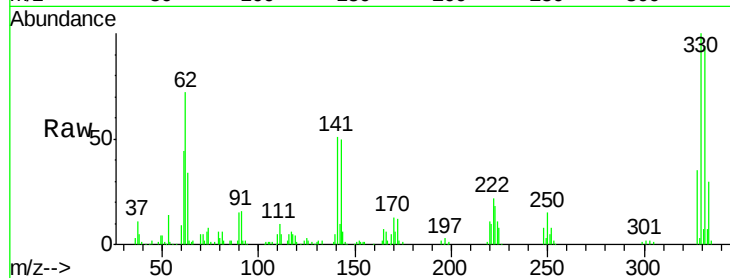
Tot Ion:166 Resp: 7126

Ion Ratio Lower Upper

166 100

165 104.9 77.8 116.8

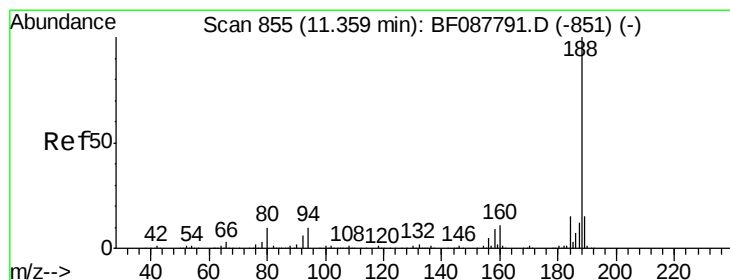
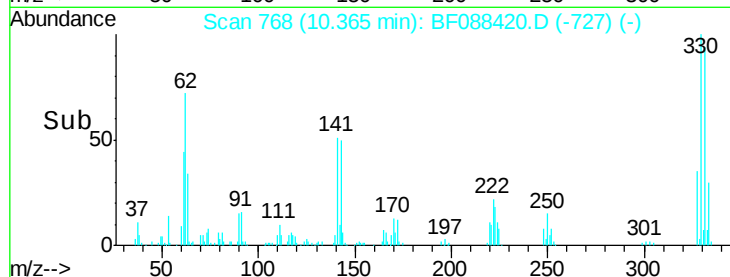
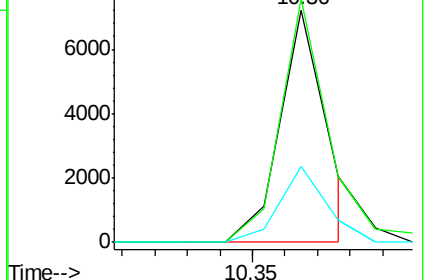
167 32.9 11.2 16.8#



Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.05 min Scan# 828

Delta R.T. -0.07 min

Lab File: BF088420.D

Acq: 26 Jun 2016 16:03

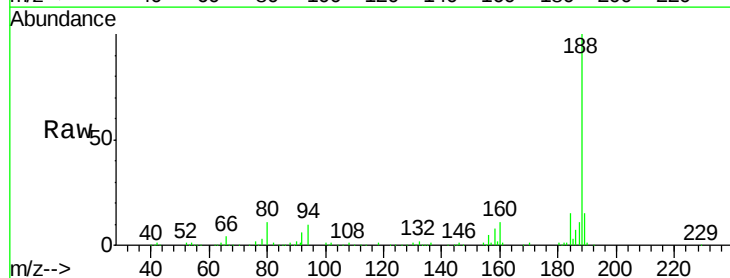
Tgt Ion:188 Resp: 260017

Ion Ratio Lower Upper

188 100

94 10.3 9.0 13.6

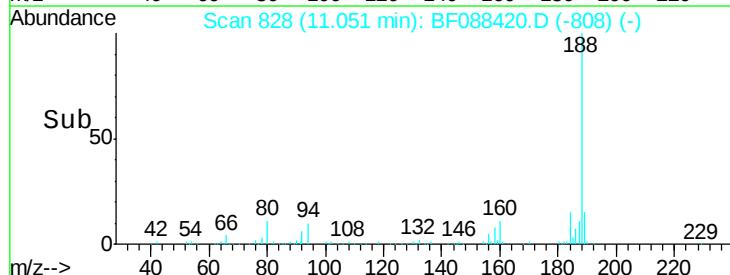
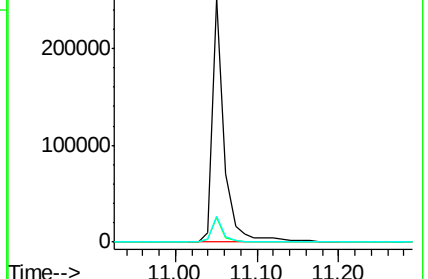
80 10.7 10.0 15.0

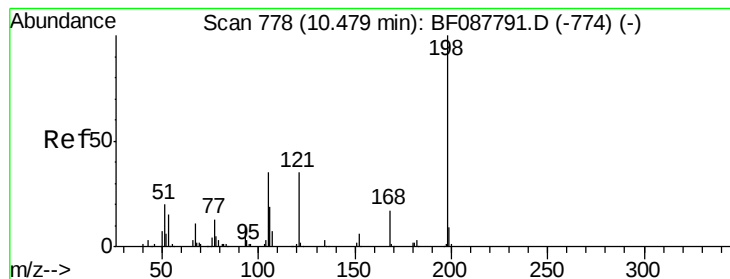


Abundance Ion 188.00 (187.70 to 188.70): E

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: 2.33 ng

RT: 10.36 min Scan# 768

Delta R.T. 0.10 min

Lab File: BF088420.D

Acq: 26 Jun 2016 16:03

Instrument :

BNA_F

ClientSampleId :

GROUNDWATER

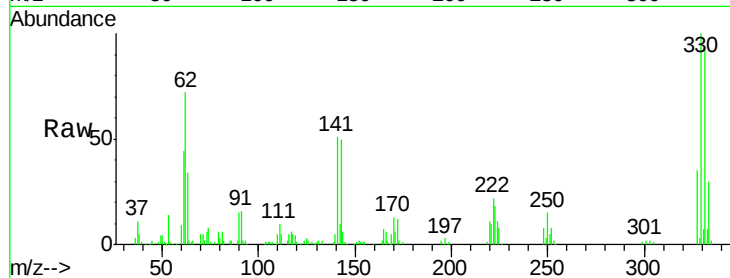
Tot Ion:198 Resp: 283

Ion Ratio Lower Upper

198 100

51 149.3 39.6 79.6#

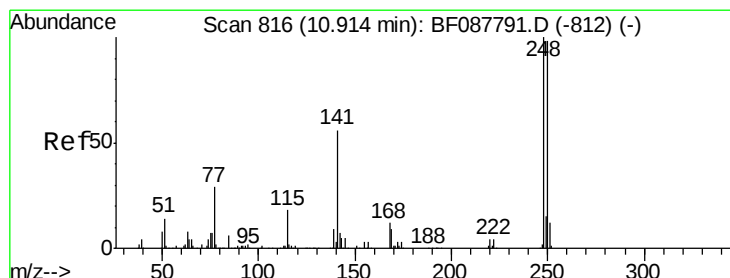
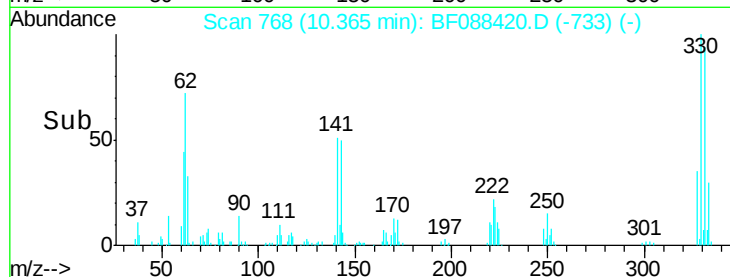
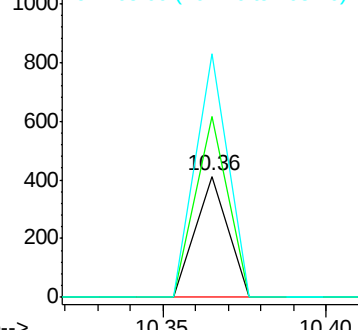
105 201.2 36.6 76.6#



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: 3.58 ng

RT: 10.36 min Scan# 768

Delta R.T. -0.31 min

Lab File: BF088420.D

Acq: 26 Jun 2016 16:03

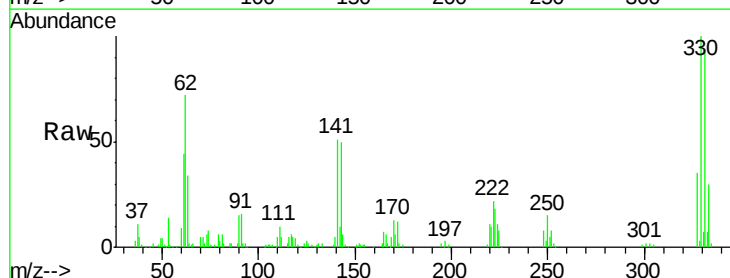
Tgt Ion:248 Resp: 10000

Ion Ratio Lower Upper

248 100

250 186.7 77.1 115.7#

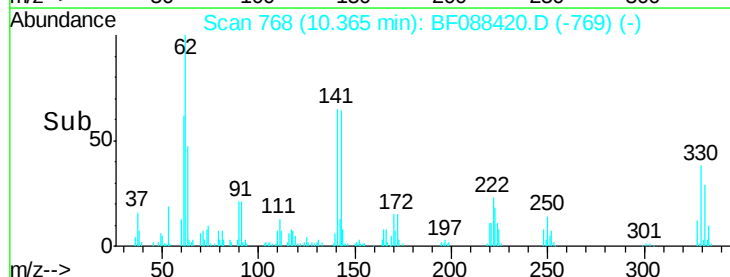
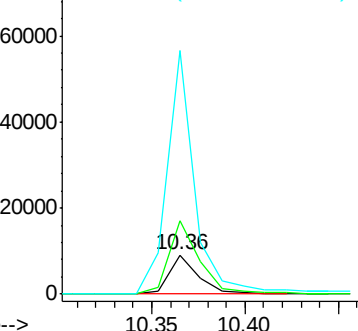
141 617.0 50.6 76.0#

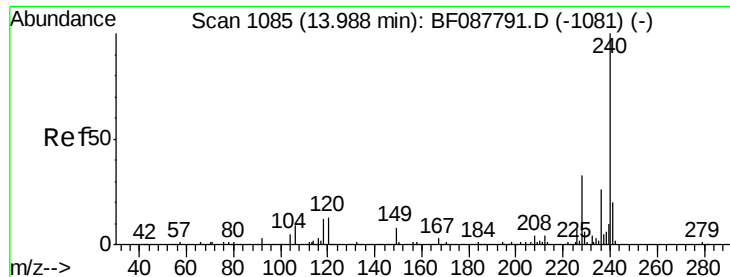


Abundance Ion 248.00 (247.70 to 248.70): E

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: 13.68 min Scan# 1058

Delta R.T. -0.07 min

Lab File: BF088420.D

Acq: 26 Jun 2016 16:03

Instrument :

BNA_F

ClientSampleId :

GROUNDWATER

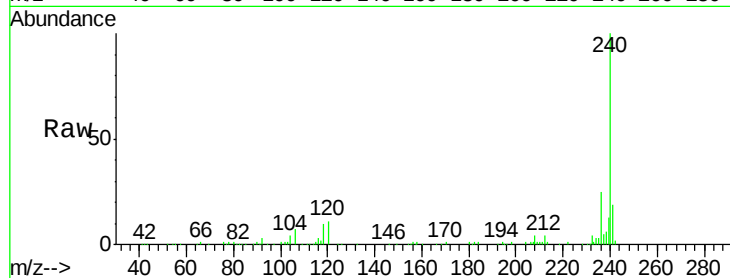
Tot Ion:240 Resp: 186645

Ion Ratio Lower Upper

240 100

120 11.0 6.8 10.2#

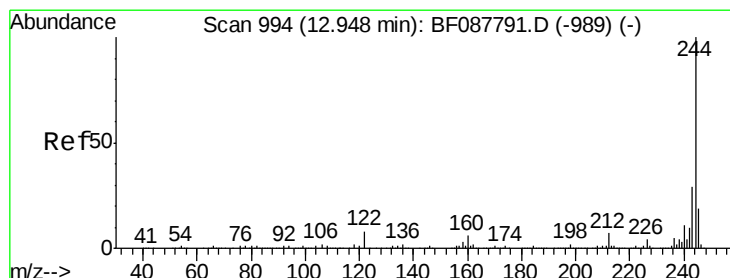
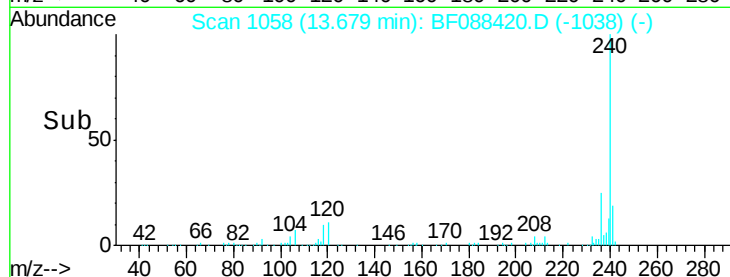
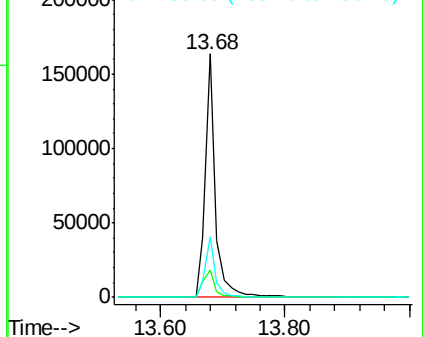
236 24.8 20.2 30.2



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: 87.21 ng

RT: 12.64 min Scan# 967

Delta R.T. -0.06 min

Lab File: BF088420.D

Acq: 26 Jun 2016 16:03

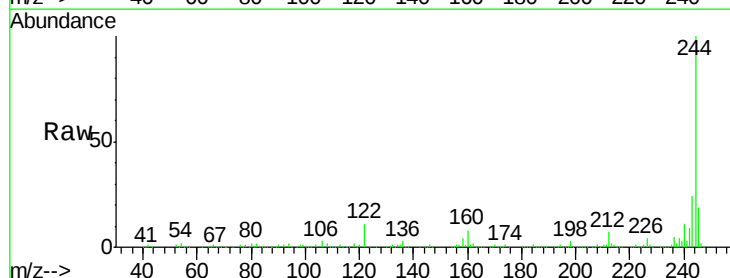
Tgt Ion:244 Resp: 715310

Ion Ratio Lower Upper

244 100

212 7.5 6.0 9.0

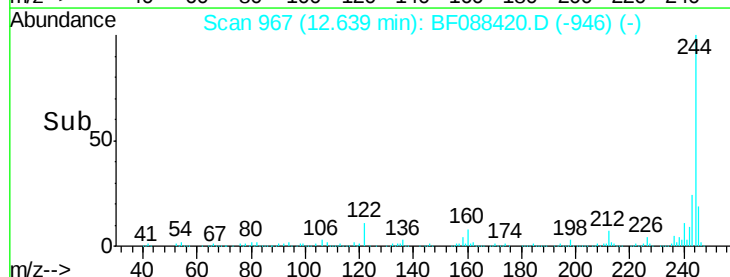
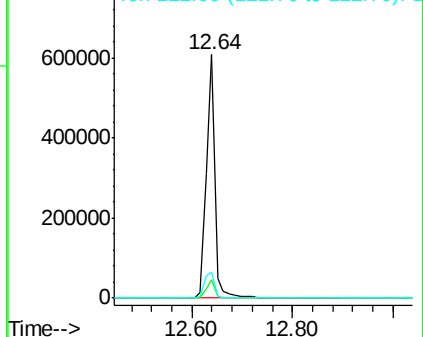
122 10.8 11.2 16.8#

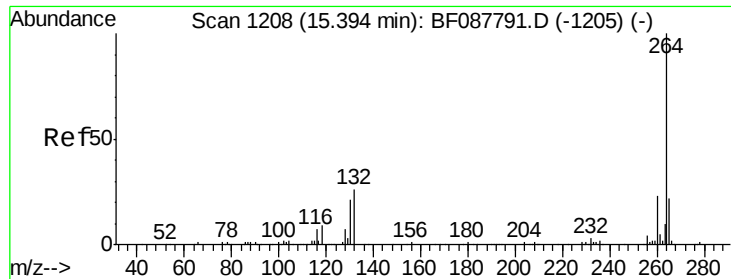


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

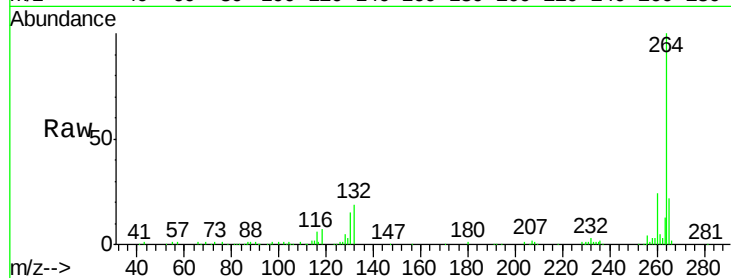




#86
Pervlene-d12
Concen: 20.00 ng
RT: 15.03 min Scan# 1176
Delta R.T. -0.08 min
Lab File: BF088420.D
Acq: 26 Jun 2016 16:03

Instrument :
BNA_F
ClientSampleId :
GROUNDWATER

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.7	19.2	28.8
265	21.7	16.9	25.3



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

