

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF121415\
 Data File : BF083784.D
 Acq On : 14 Dec 2015 22:23
 Operator : UM/IZ
 Sample : G4761-08
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 EXCAVATION-WATER

Quant Time: Dec 15 02:26:02 2015
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF121315.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Dec 14 01:30:12 2015
 Response via : Initial Calibration

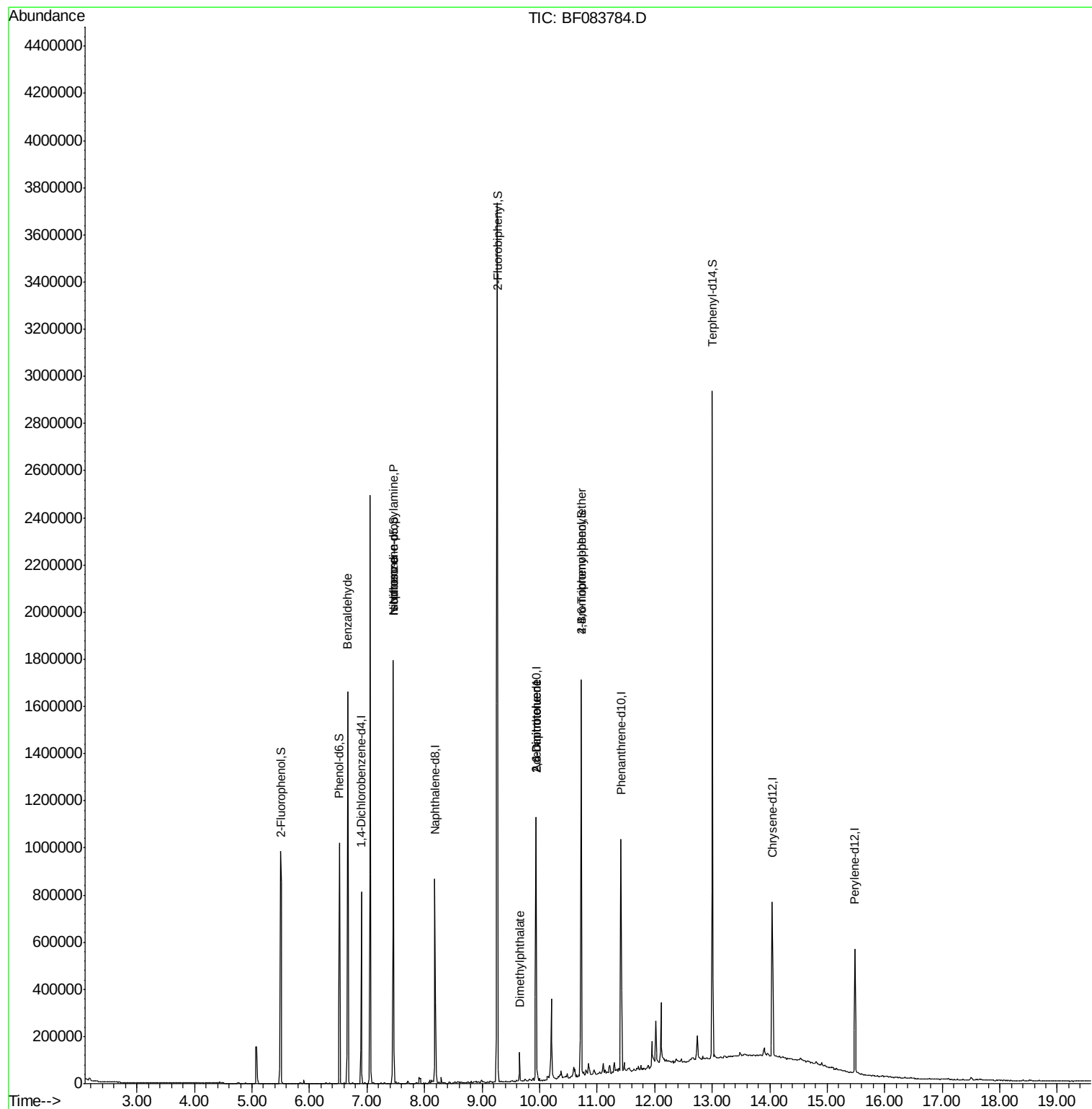
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.90	152	118539	20.00	ng	-0.02
21) Naphthalene-d8	8.18	136	439700	20.00	ng	-0.03
38) Acenaphthene-d10	9.94	164	225127	20.00	ng	-0.02
63) Phenanthrene-d10	11.41	188	371792	20.00	ng	-0.03
75) Chrysene-d12	14.04	240	263158	20.00	ng	-0.03
86) Perylene-d12	15.48	264	231573	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.50	112	407381	55.44	ng	-0.02
7) Phenol-d6	6.52	99	364051	39.12	ng	-0.02
23) Nitrobenzene-d5	7.46	82	625032	79.53	ng	-0.02
41) 2,4,6-Tribromophenol	10.73	330	303196	132.17	ng	-0.02
44) 2-Fluorobiphenyl	9.26	172	1267430	81.43	ng	-0.02
78) Terphenyl-d14	13.00	244	869809	71.10	ng	-0.02
Target Compounds						
9) Benzaldehyde	6.66	77	15505	3.10	ng	Qvalue 88
19) n-Nitroso-di-n-propylamine	7.46	70	84774	14.88	ng	# 71
25) Isophorone	7.46	82	615949	39.95	ng	# 69
49) Dimethylphthalate	9.65	163	52915	3.01	ng	99
50) 2,6-Dinitrotoluene	9.94	165	28614	7.68	ng	# 17
56) 2,4-Dinitrotoluene	9.94	165	28616	5.88	ng	# 12
66) 4-Bromophenyl-phenylether	10.73	248	20258	4.87	ng	# 1

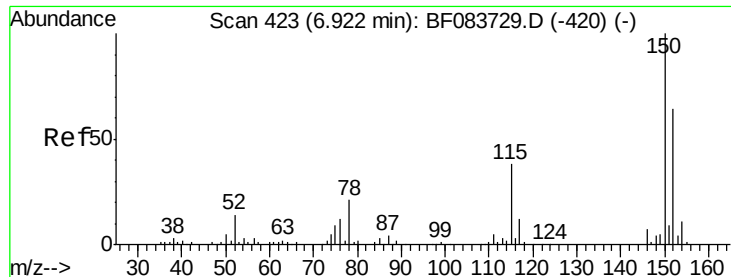
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Mon Dec 14 01:30:12 2015
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.90 min Scan# 421

Delta R.T. -0.02 min

Lab File: BF083784.D

Acq: 14 Dec 2015 22:23

Instrument :

BNA_F

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EXCAVATION-WATER

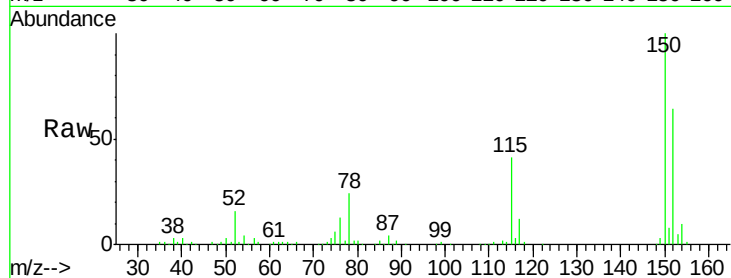
Tgt Ion:152 Resp: 118539

Ion Ratio Lower Upper

152 100

150 155.2 126.5 189.7

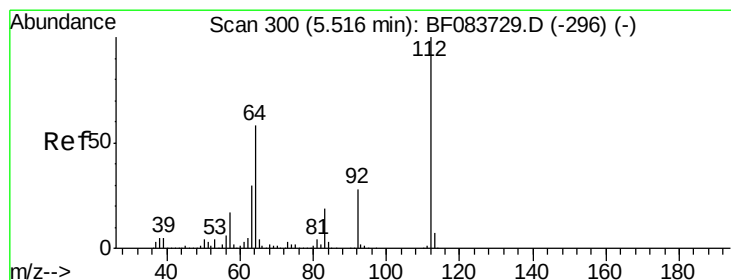
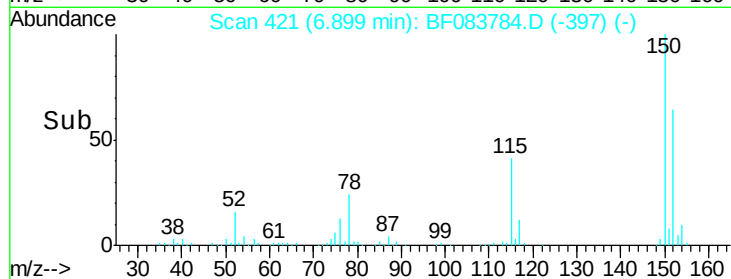
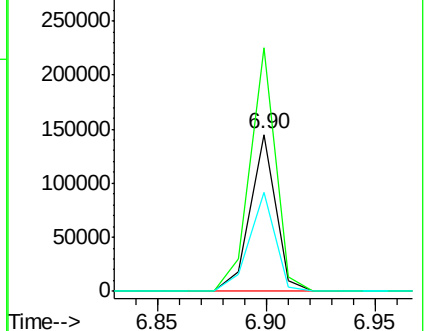
115 62.9 52.3 78.5



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: 55.44 ng

RT: 5.50 min Scan# 299

Delta R.T. -0.02 min

Lab File: BF083784.D

Acq: 14 Dec 2015 22:23

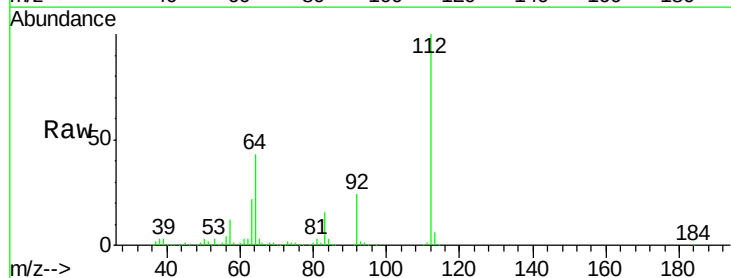
Tgt Ion:112 Resp: 407381

Ion Ratio Lower Upper

112 100

64 43.4 50.5 75.7#

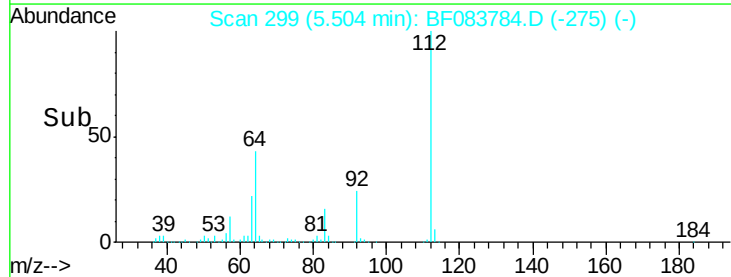
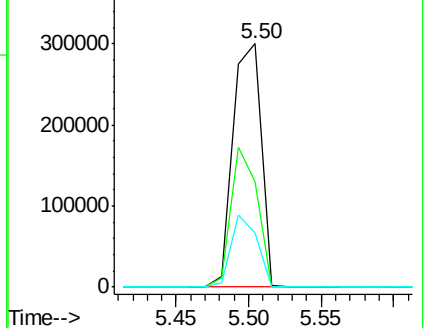
63 22.2 25.8 38.6#

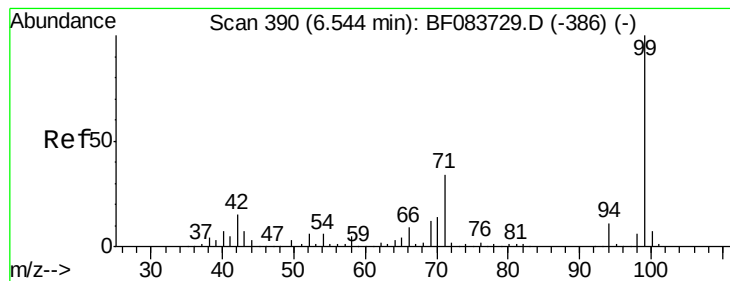


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 39.12 ng

RT: 6.52 min Scan# 388

Delta R.T. -0.02 min

Lab File: BF083784.D

Acq: 14 Dec 2015 22:23

Instrument :

BNA_F

ClientSampleId :

EXCAVATION-WATER

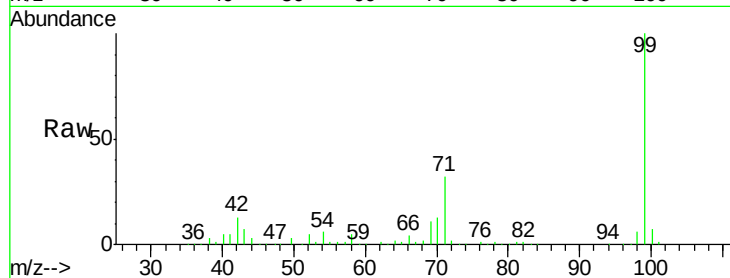
Tgt Ion: 99 Resp: 364051

Ion Ratio Lower Upper

99 100

42 13.3 17.3 25.9#

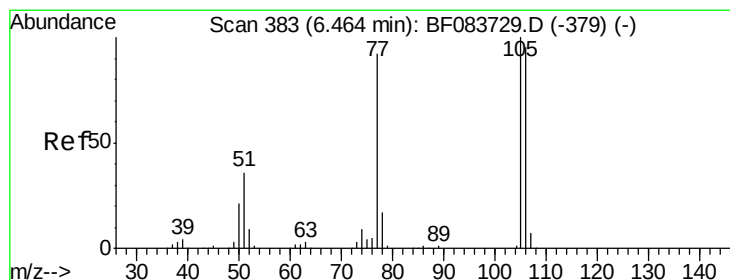
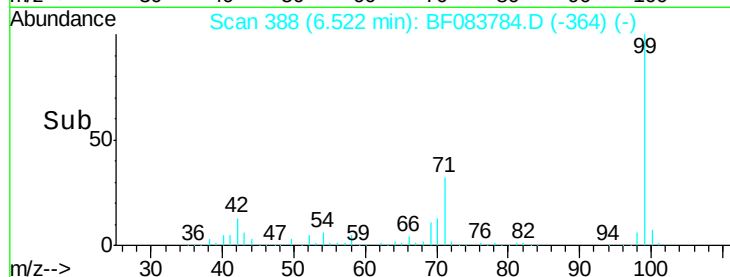
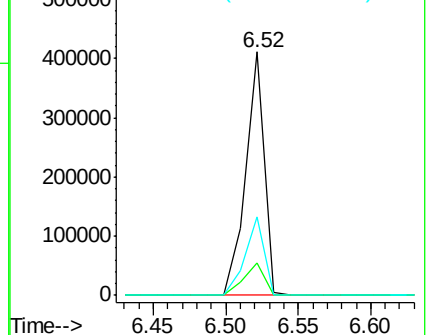
71 32.2 26.6 40.0



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



#9

Benzaldehyde

Concen: 3.10 ng

RT: 6.66 min Scan# 400

Delta R.T. 0.19 min

Lab File: BF083784.D

Acq: 14 Dec 2015 22:23

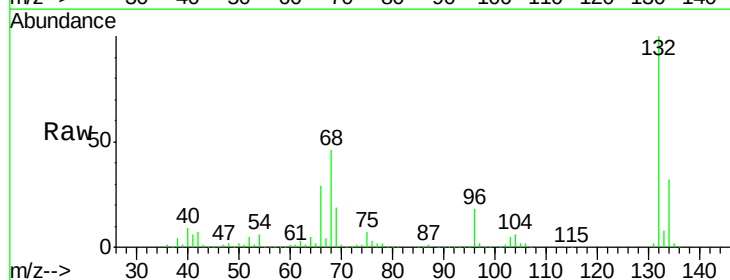
Tgt Ion: 77 Resp: 15505

Ion Ratio Lower Upper

77 100

105 79.0 71.8 111.8

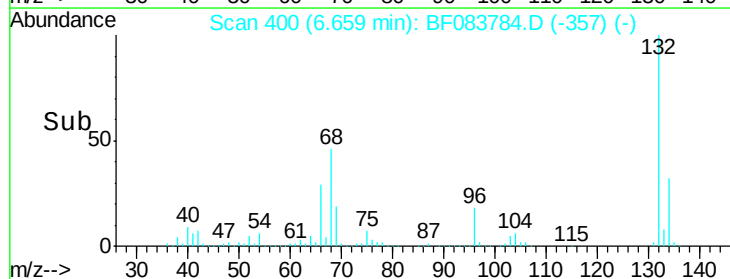
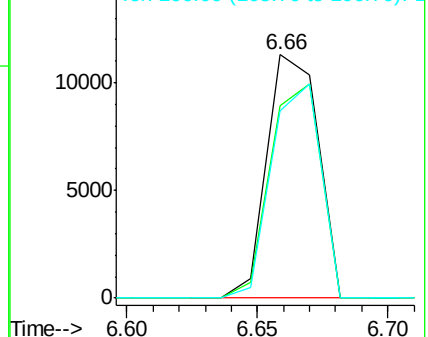
106 77.1 66.8 106.8

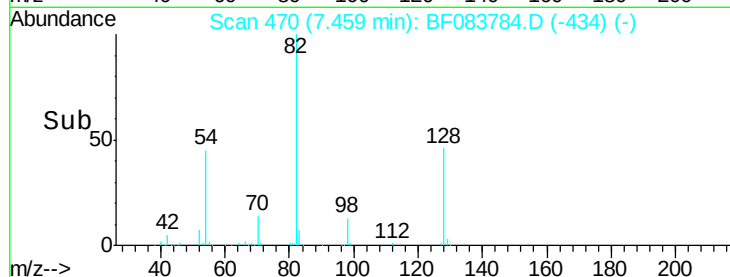
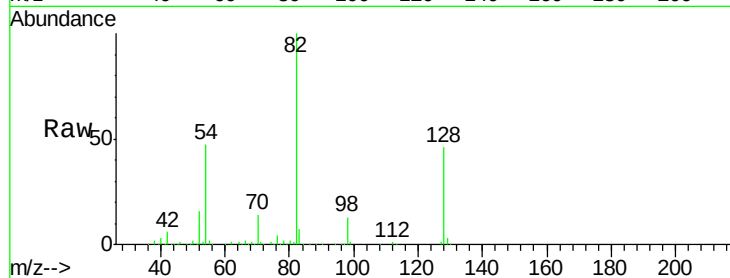
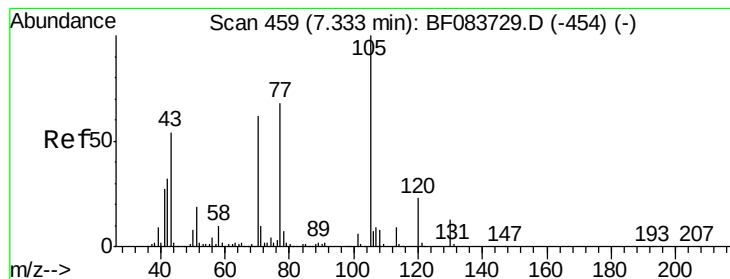


Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 105.00 (104.70 to 105.70): E

Ion 106.00 (105.70 to 106.70): E





#19

n-Nitroso-di-n-propylamine

Concen: 14.88 ng

RT: 7.46 min Scan# 470

Delta R.T. 0.11 min

Lab File: BF083784.D

Acq: 14 Dec 2015 22:23

Instrument :

BNA_F

ClientSampleId :

EXCAVATION-WATER

Tgt Ion: 70 Resp: 84774

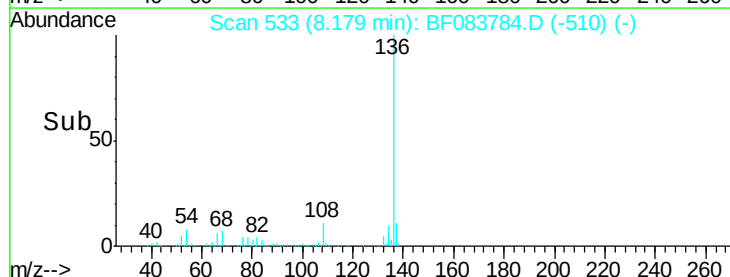
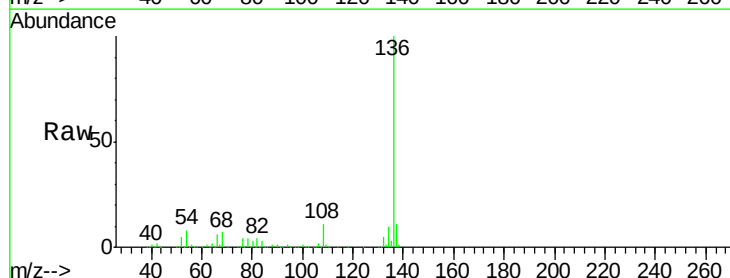
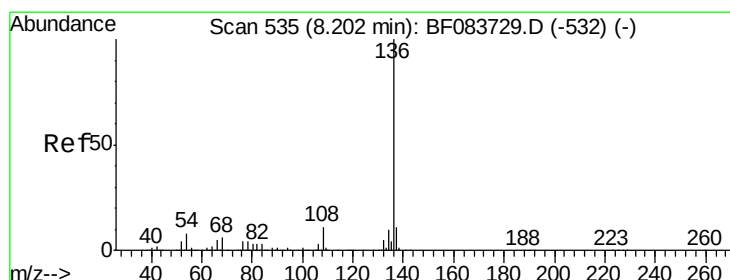
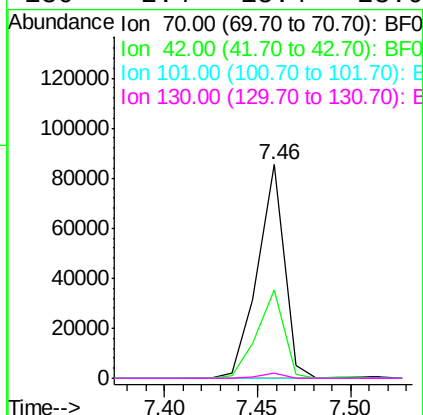
Ion Ratio Lower Upper

70 100

42 41.2 49.2 73.8#

101 0.0 7.1 10.7#

130 2.4 15.4 23.0#



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.18 min Scan# 533

Delta R.T. -0.03 min

Lab File: BF083784.D

Acq: 14 Dec 2015 22:23

Tgt Ion: 136 Resp: 439700

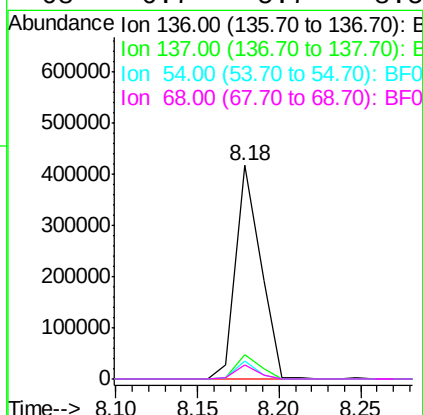
Ion Ratio Lower Upper

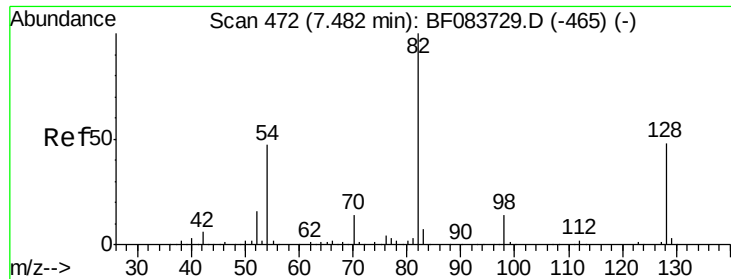
136 100

137 11.5 8.7 13.1

54 8.3 7.8 11.6

68 6.7 5.7 8.5

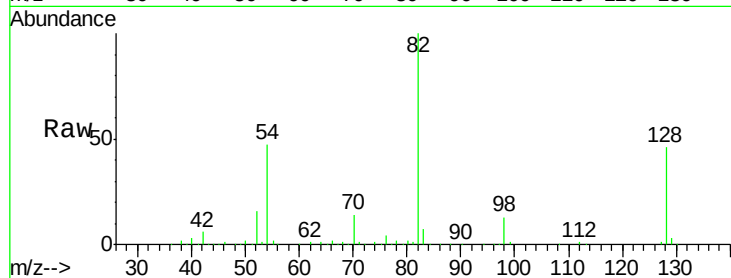




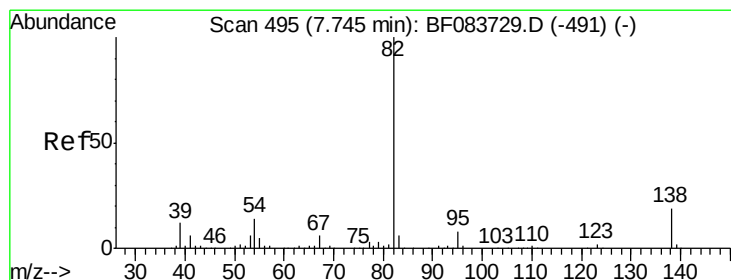
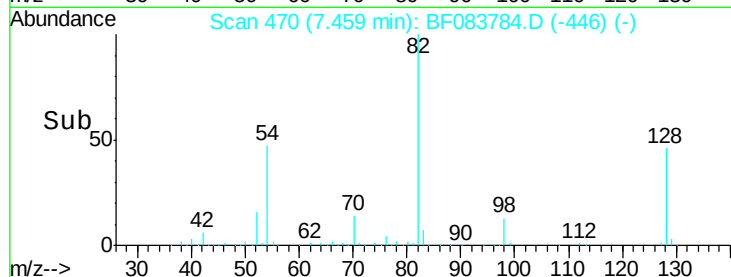
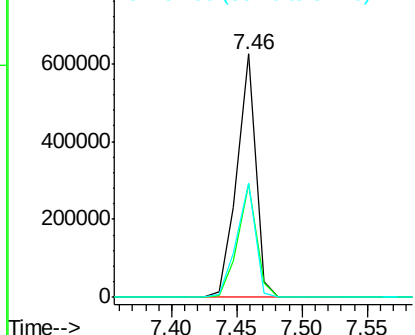
#23
 Nitrobenzene-d5
 Concen: 79.53 ng
 RT: 7.46 min Scan# 470
 Delta R.T. -0.02 min
 Lab File: BF083784.D
 Acq: 14 Dec 2015 22:23

Instrument :
 BNA_F
 ClientSampleId :
 EXCAVATION-WATER

Tgt Ion: 82 Resp: 625032
 Ion Ratio Lower Upper
 82 100
 128 46.4 30.7 46.1#
 54 47.2 42.5 63.7

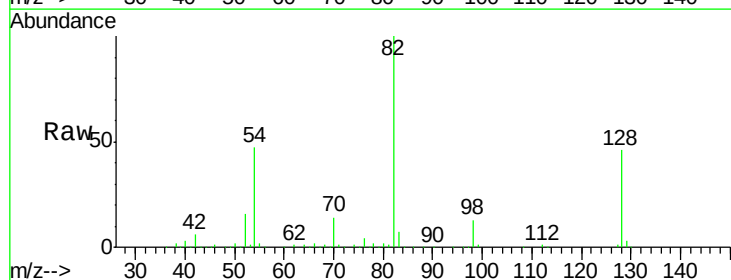


Abundance Ion 82.00 (81.70 to 82.70): BF0
 Ion 128.00 (127.70 to 128.70): BF0
 Ion 54.00 (53.70 to 54.70): BF0

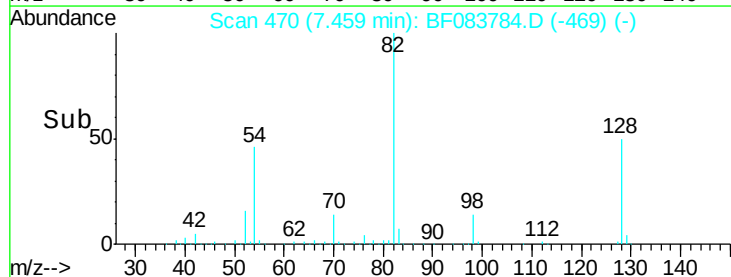
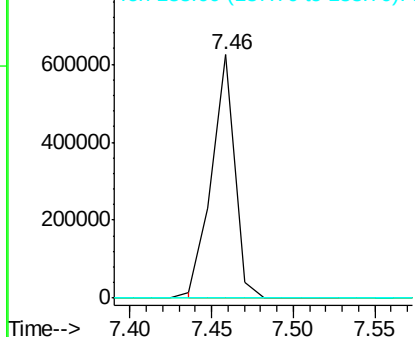


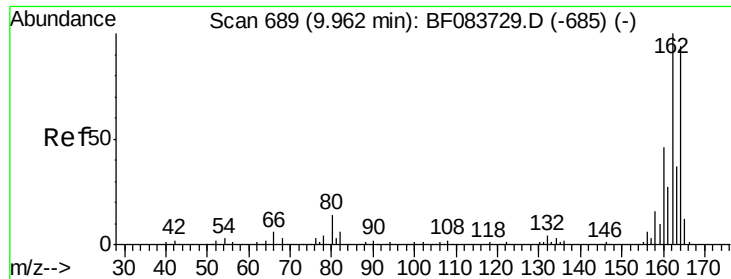
#25
 Isophorone
 Concen: 39.95 ng
 RT: 7.46 min Scan# 470
 Delta R.T. -0.29 min
 Lab File: BF083784.D
 Acq: 14 Dec 2015 22:23

Tgt Ion: 82 Resp: 615949
 Ion Ratio Lower Upper
 82 100
 95 0.0 5.0 7.4#
 138 0.0 12.1 18.1#



Abundance Ion 82.00 (81.70 to 82.70): BF0
 Ion 95.00 (94.70 to 95.70): BF0
 Ion 138.00 (137.70 to 138.70): BF0





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.94 min Scan# 687

Delta R.T. -0.02 min

Lab File: BF083784.D

Acq: 14 Dec 2015 22:23

Instrument :

BNA_F

ClientSampleId :

EXCAVATION-WATER

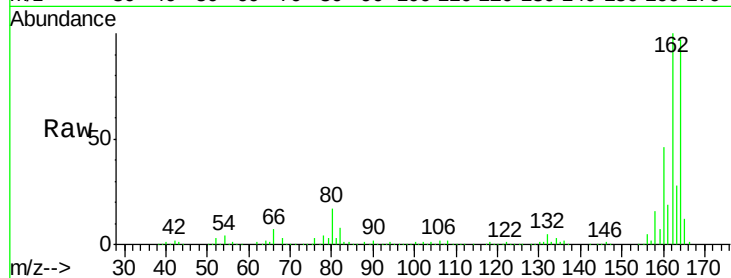
Tgt Ion:164 Resp: 225127

Ion Ratio Lower Upper

164 100

162 103.0 78.8 118.2

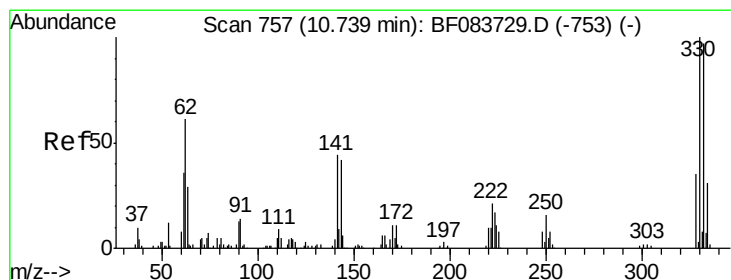
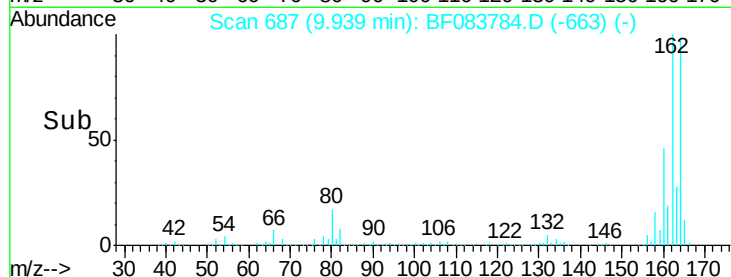
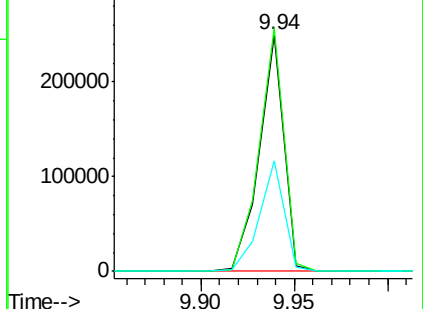
160 46.9 33.4 50.2



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: 132.17 ng

RT: 10.73 min Scan# 756

Delta R.T. -0.02 min

Lab File: BF083784.D

Acq: 14 Dec 2015 22:23

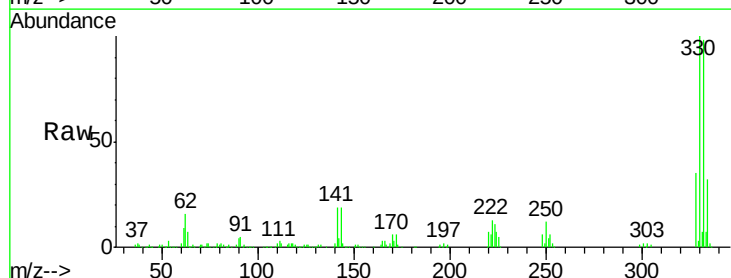
Tgt Ion:330 Resp: 303196

Ion Ratio Lower Upper

330 100

332 97.3 0.0 0.0#

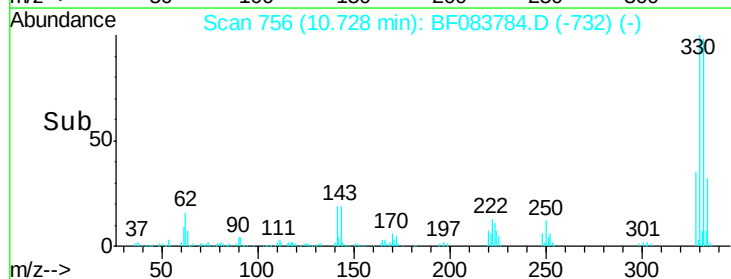
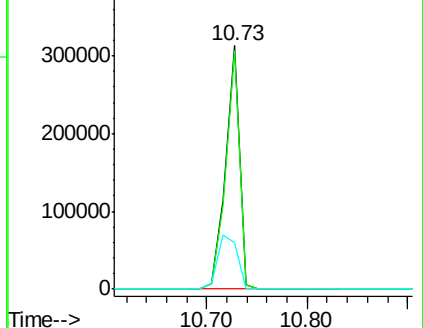
141 31.9 0.0 0.0#

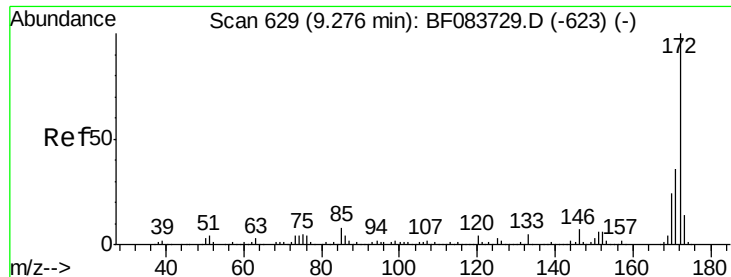


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

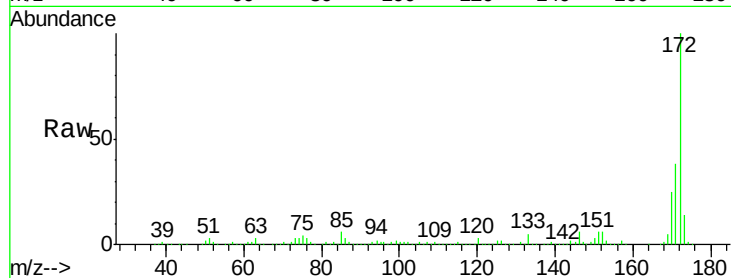




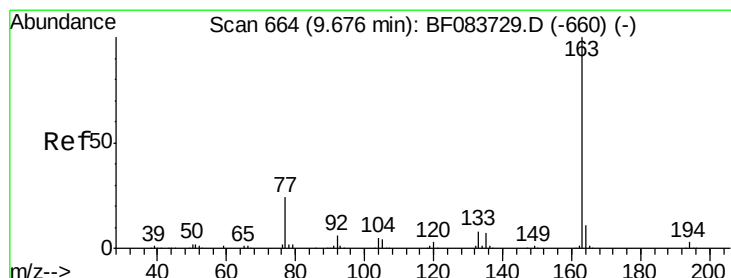
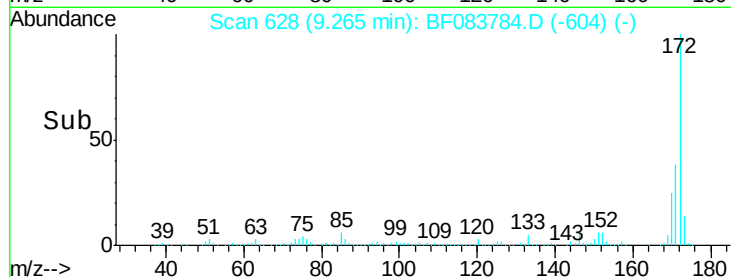
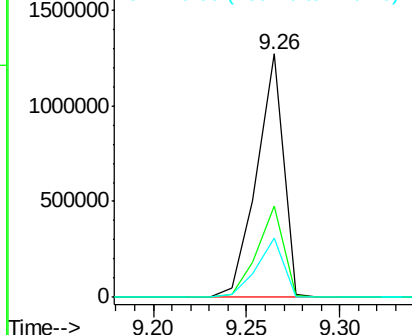
#44
 2-Fluorobiphenyl
 Concen: 81.43 ng
 RT: 9.26 min Scan# 628
 Delta R.T. -0.02 min
 Lab File: BF083784.D
 Acq: 14 Dec 2015 22:23

Instrument :
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Tgt Ion:172 Resp: 1267430
 Ion Ratio Lower Upper
 172 100
 171 37.6 28.6 42.8
 170 24.6 19.4 29.0

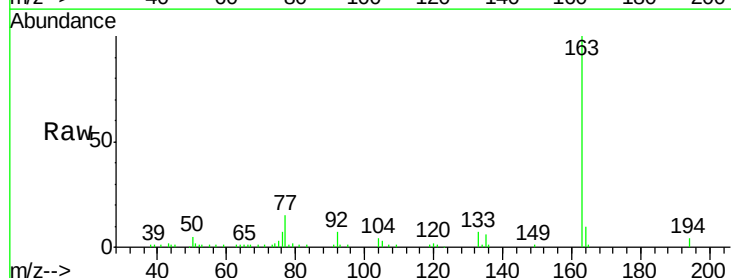


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

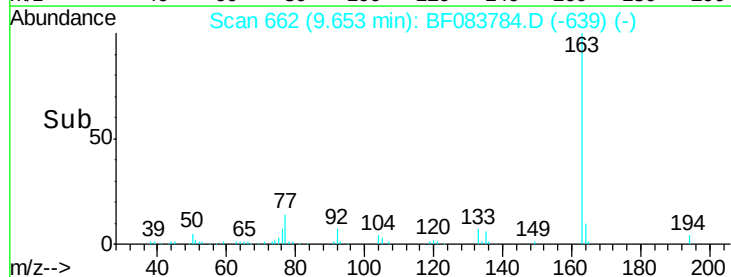
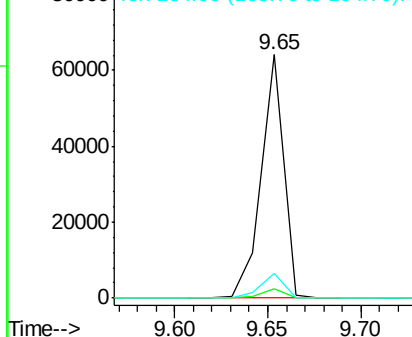


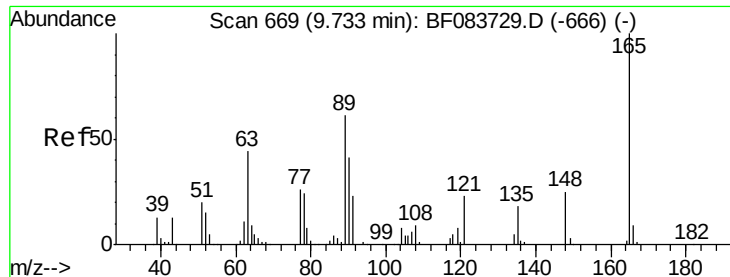
#49
 Dimethylphthalate
 Concen: 3.01 ng
 RT: 9.65 min Scan# 662
 Delta R.T. -0.03 min
 Lab File: BF083784.D
 Acq: 14 Dec 2015 22:23

Tgt Ion:163 Resp: 52915
 Ion Ratio Lower Upper
 163 100
 194 3.7 2.8 4.2
 164 10.3 8.6 13.0



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

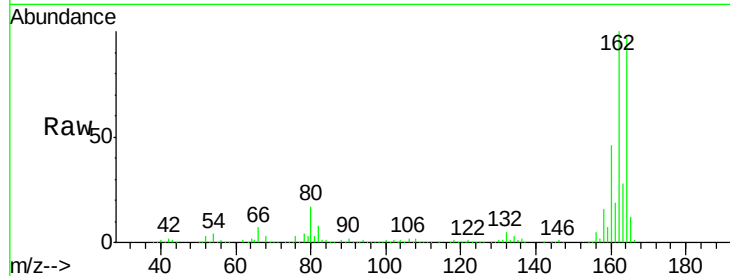




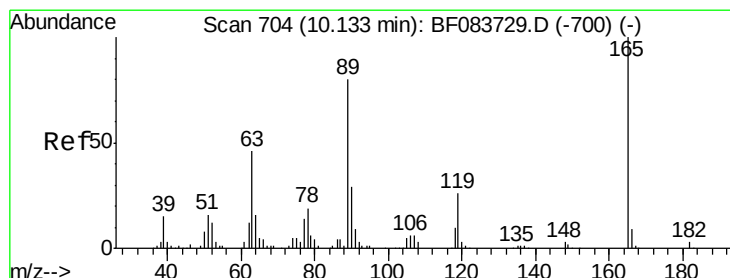
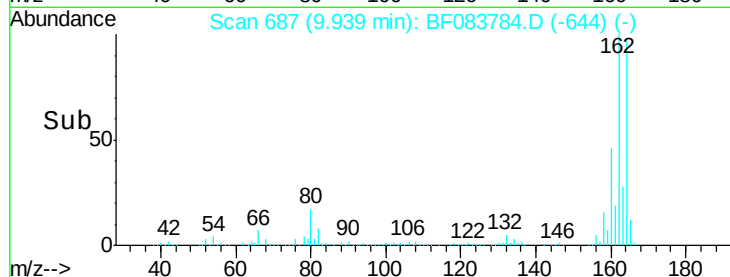
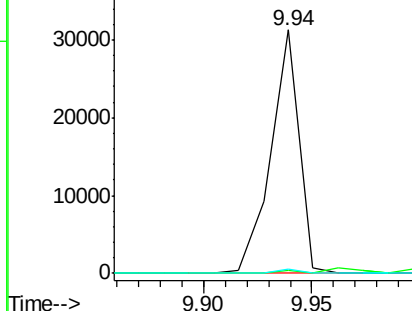
#50
 2,6-Dinitrotoluene
 Concen: 7.68 ng
 RT: 9.94 min Scan# 687
 Delta R.T. 0.20 min
 Lab File: BF083784.D
 Acq: 14 Dec 2015 22:23

Instrument :
 BNA_F
 ClientSampleId :
 EXCAVATION-WATER

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.4	56.9	85.3#
89	1.5	52.1	78.1#



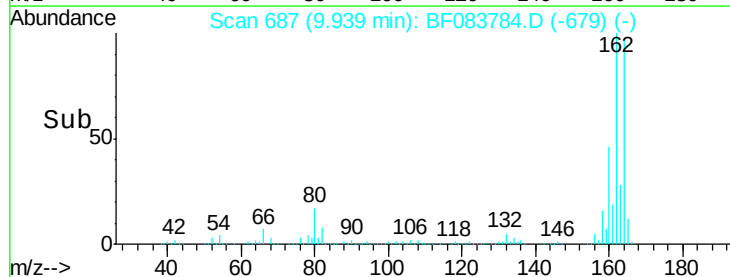
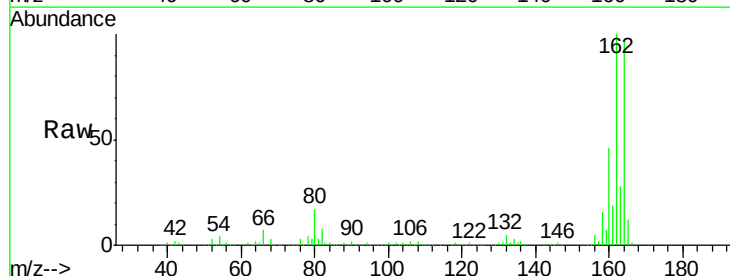
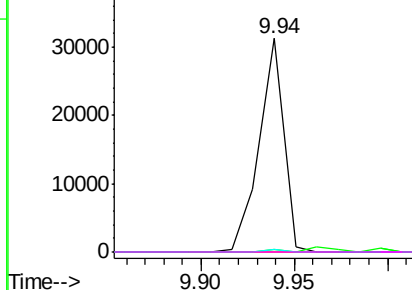
Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF0
 Ion 89.00 (88.70 to 89.70): BF0

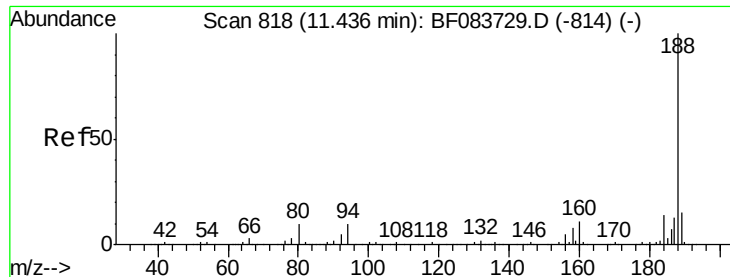


#56
 2,4-Dinitrotoluene
 Concen: 5.88 ng
 RT: 9.94 min Scan# 687
 Delta R.T. -0.20 min
 Lab File: BF083784.D
 Acq: 14 Dec 2015 22:23

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.4	51.4	77.2#
89	1.5	72.6	108.8#
182	0.0	1.4	2.0#

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

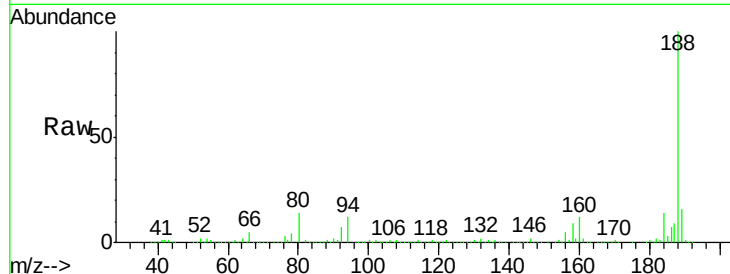




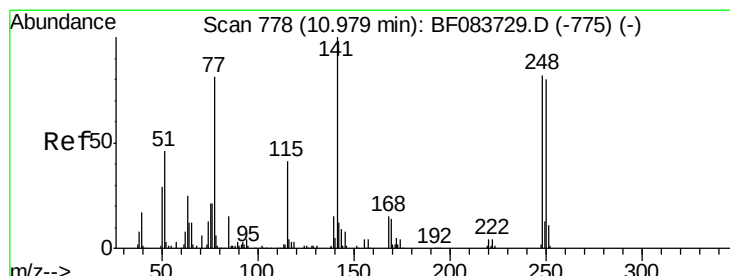
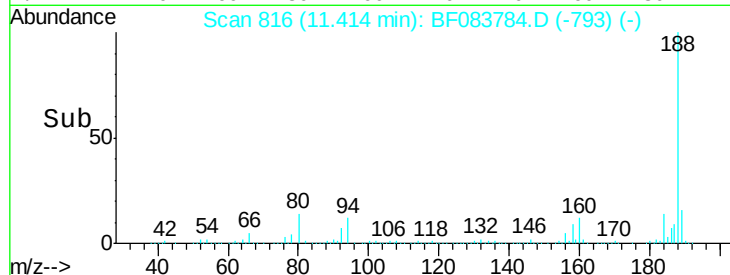
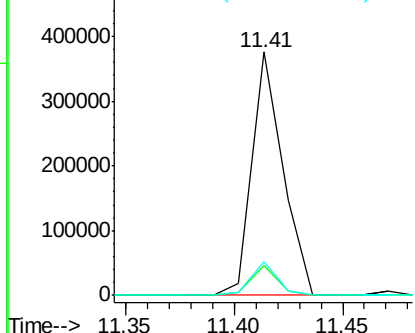
#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.41 min Scan# 816
 Delta R.T. -0.03 min
 Lab File: BF083784.D
 Acq: 14 Dec 2015 22:23

Instrument :
 BNA_F
 ClientSampleId :
 EXCAVATION-WATER

Tgt Ion:188 Resp: 371792
 Ion Ratio Lower Upper
 188 100
 94 12.1 9.4 14.2
 80 13.7 10.6 16.0

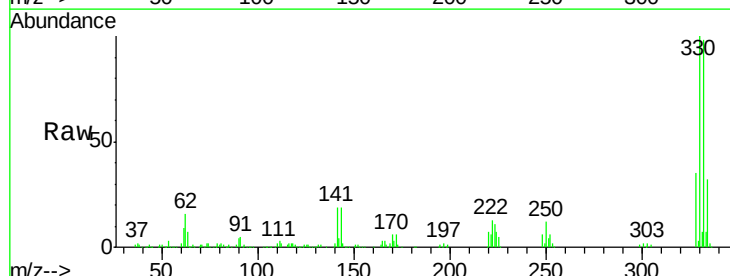


Abundance Ion 188.00 (187.70 to 188.70): E
 Ion 94.00 (93.70 to 94.70): BF0
 Ion 80.00 (79.70 to 80.70): BF0

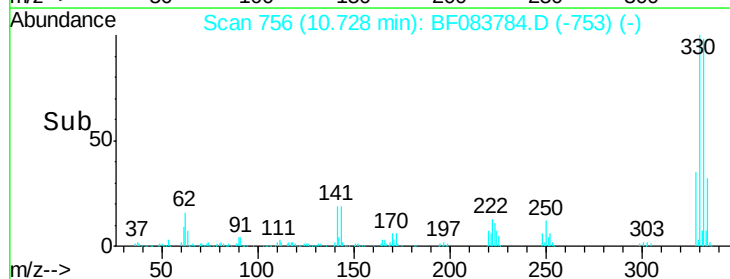
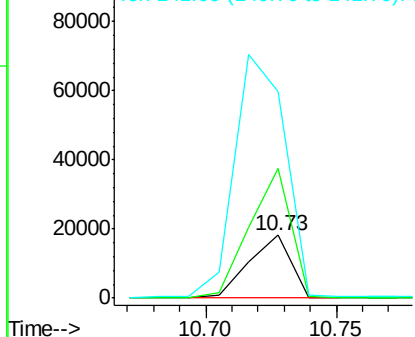


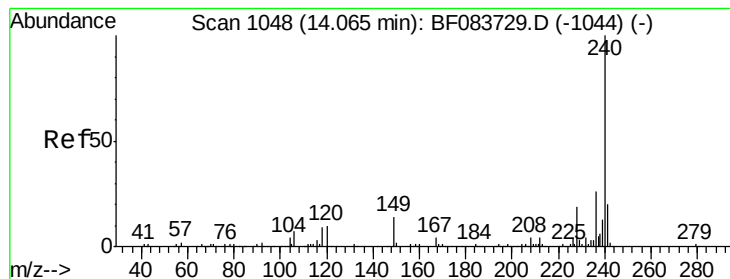
#66
 4-Bromophenyl-phenylether
 Concen: 4.87 ng
 RT: 10.73 min Scan# 756
 Delta R.T. -0.26 min
 Lab File: BF083784.D
 Acq: 14 Dec 2015 22:23

Tgt Ion:248 Resp: 20258
 Ion Ratio Lower Upper
 248 100
 250 206.7 79.2 118.8#
 141 327.8 58.2 87.4#



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: 14.04 min Scan# 1046

Delta R.T. -0.03 min

Lab File: BF083784.D

Acq: 14 Dec 2015 22:23

Instrument :

BNA_F

ClientSampleId :

EXCAVATION-WATER

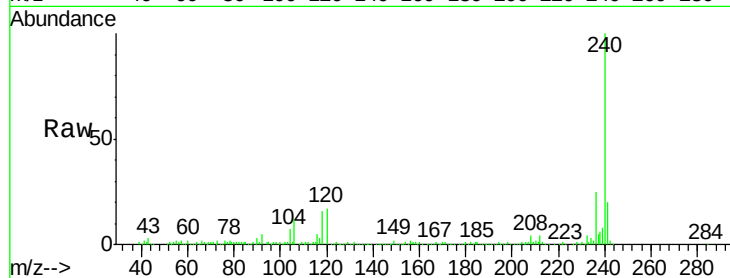
Tgt Ion:240 Resp: 263158

Ion Ratio Lower Upper

240 100

120 17.4 8.1 12.1#

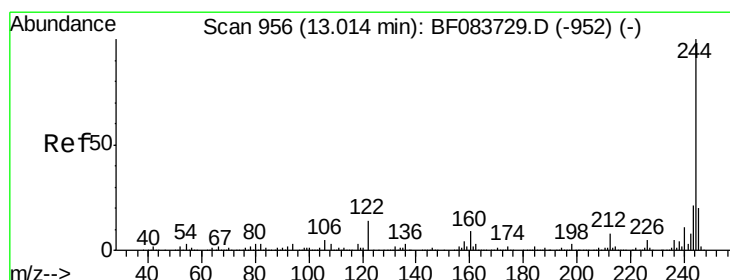
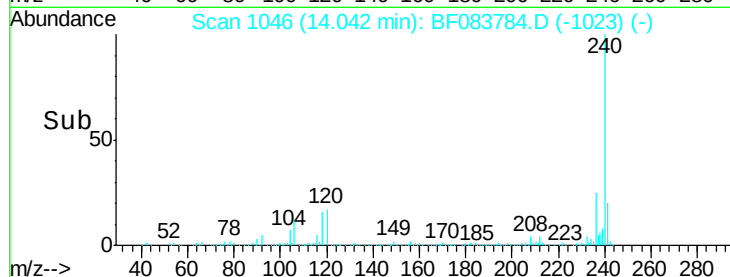
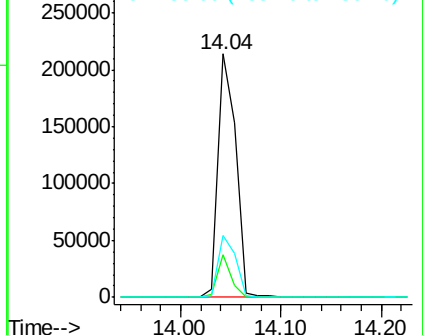
236 25.4 20.8 31.2



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: 71.10 ng

RT: 13.00 min Scan# 955

Delta R.T. -0.02 min

Lab File: BF083784.D

Acq: 14 Dec 2015 22:23

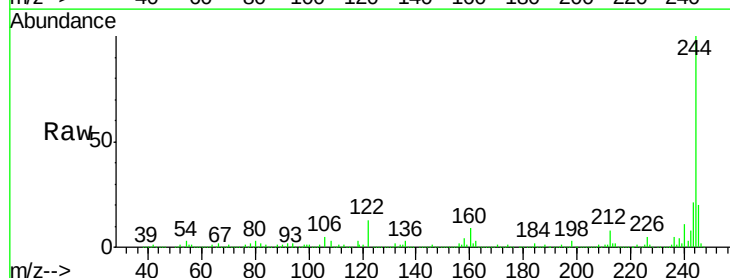
Tgt Ion:244 Resp: 869809

Ion Ratio Lower Upper

244 100

212 7.6 6.1 9.1

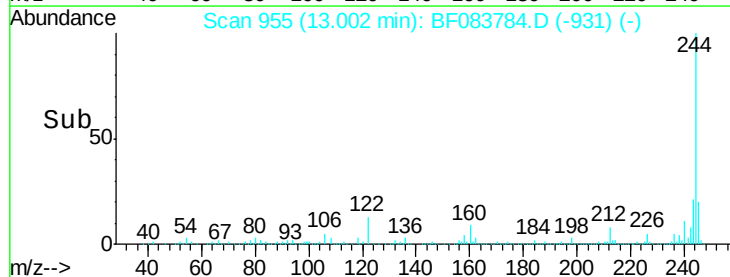
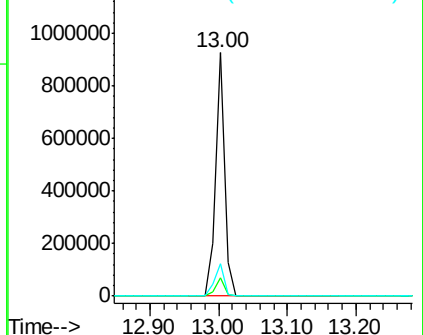
122 13.1 11.0 16.6

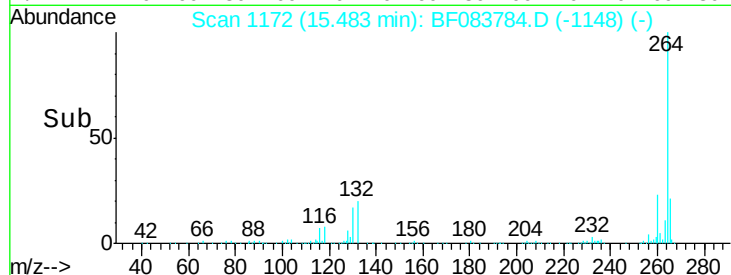
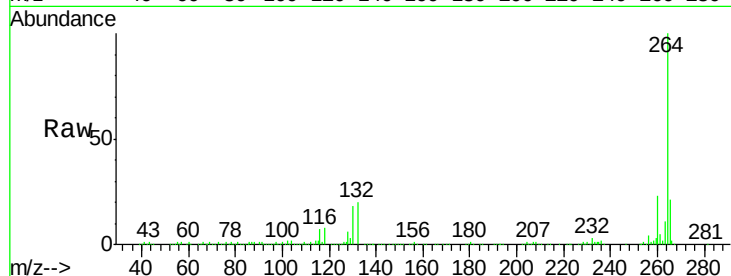
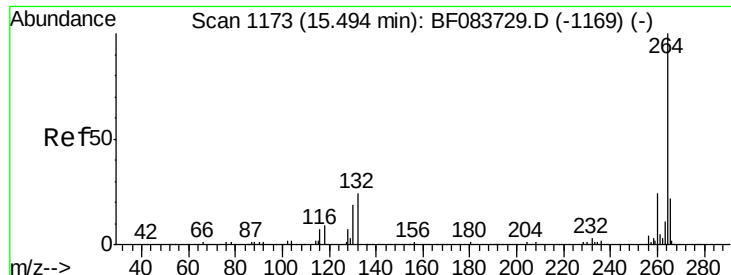


Abundance Ion 244.00 (243.70 to 244.70): E

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: 15.48 min Scan# 1172
Delta R.T. -0.02 min
Lab File: BF083784.D
Acq: 14 Dec 2015 22:23

Instrument :
BNA_F
ClientSampleId :
EXCAVATION-WATER

Tgt Ion:	264	Resp:	231573
Ion	Ratio	Lower	Upper
264	100		
260	23.4	19.4	29.0
265	21.0	17.8	26.6

