

Data Path : Z:\HPCHEM1\BNA F\DATA\BF072417\
 Data File : BF097012.D
 Acq On : 25 Jul 2017 3:45
 Operator : SJ/JU
 Sample : I4360-09
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 CEMETERY-15-(0-2)

Quant Time: Jul 25 04:09:55 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF071317.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jul 25 01:37:00 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.52	152	123582	20.00	ng	-0.02
21) Naphthalene-d8	7.80	136	506204	20.00	ng	-0.03
38) Acenaphthene-d10	9.54	164	196418	20.00	ng	-0.04
63) Phenanthrene-d10	11.02	188	295875	20.00	ng	-0.04
75) Chrysene-d12	13.64	240	234669	20.00	ng	-0.04
86) Perylene-d12	15.00	264	187660	20.00	ng	-0.04

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.12	112	823117	100.15	ng	-0.03
7) Phenol-d6	6.18	99	923898	93.67	ng	-0.04
23) Nitrobenzene-d5	7.08	82	589615	72.15	ng	-0.04
41) 2,4,6-Tribromophenol	10.33	330	153451	91.53	ng	-0.04
44) 2-Fluorobiphenyl	8.87	172	957964	77.06	ng	-0.04
78) Terphenyl-d14	12.60	244	597262	44.14	ng	-0.03

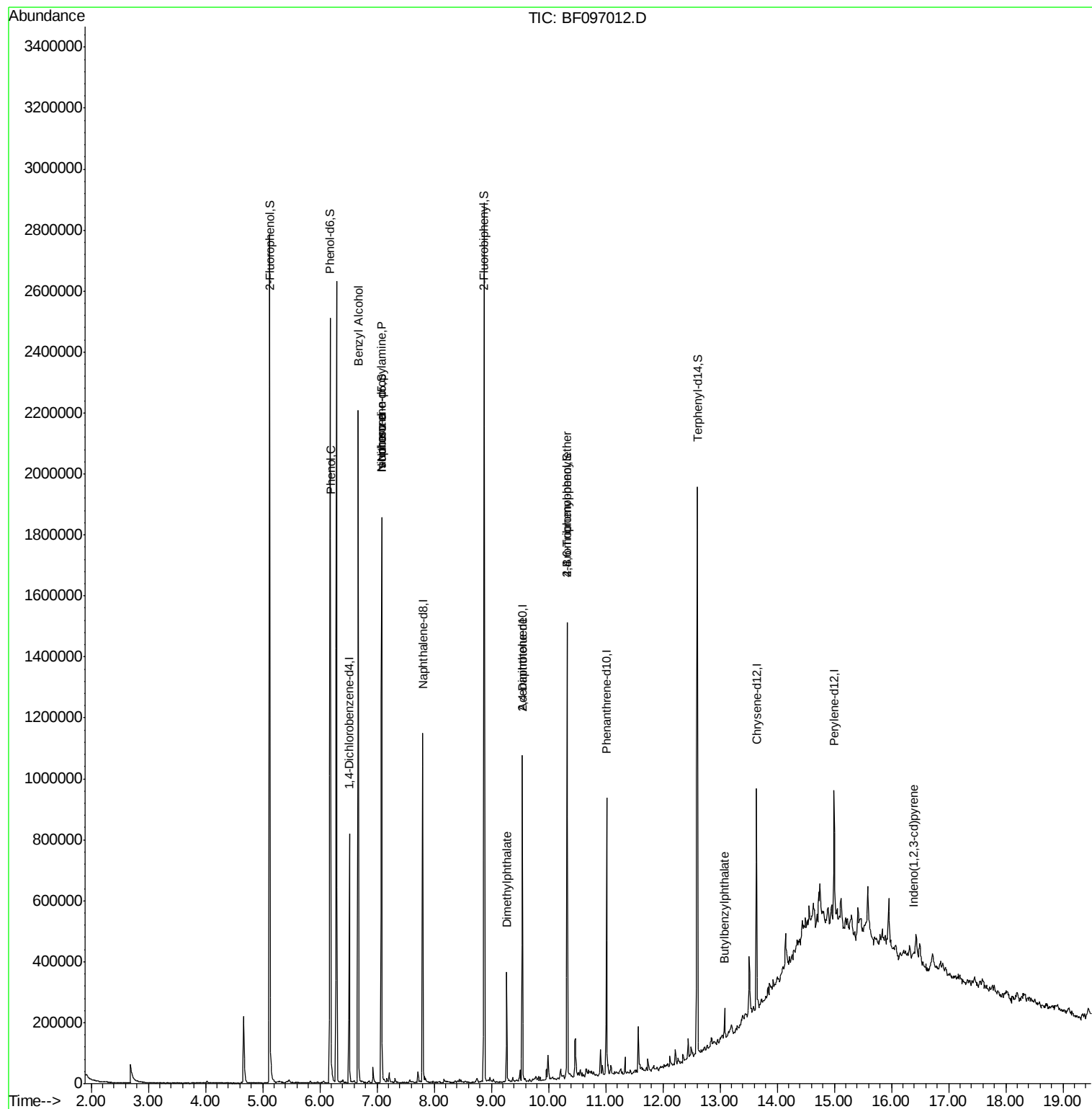
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Phenol	6.19	94	34588	3.10	ng	95
15) Benzyl Alcohol	6.67	79	13748	2.13	ng	# 41
19) n-Nitroso-di-n-propylamine	7.08	70	79604	13.40	ng	# 88
25) Isophorone	7.08	82	586403	38.57	ng	# 67
49) Dimethylphthalate	9.27	163	140251	9.48	ng	99
56) 2,4-Dinitrotoluene	9.54	165	25031	6.08	ng	# 33
66) 4-Bromophenyl-phenylether	10.33	248	9715	3.22	ng	# 1
79) Butylbenzylphthalate	13.08	149	21027	2.08	ng	# 77
85) Indeno(1,2,3-cd)pyrene	16.39	276	984	3.40	ng	96

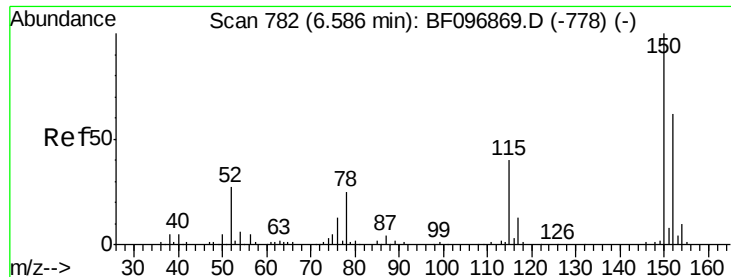
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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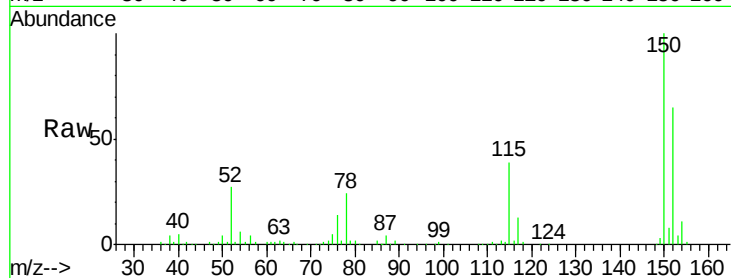


#1

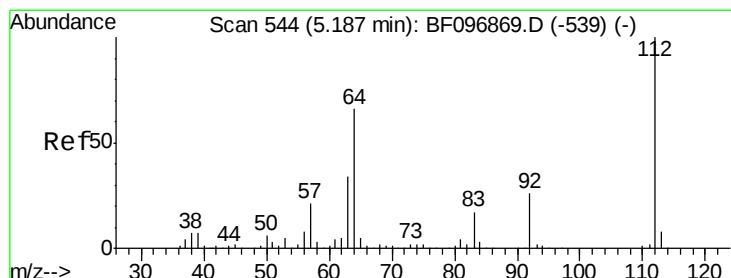
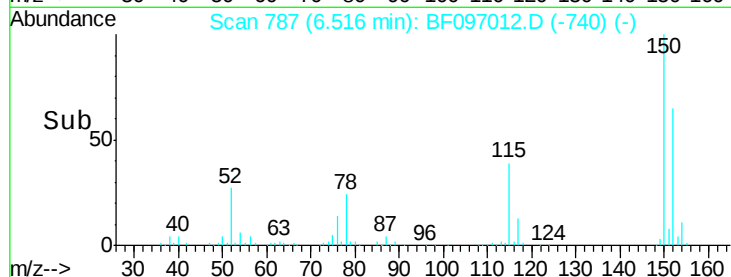
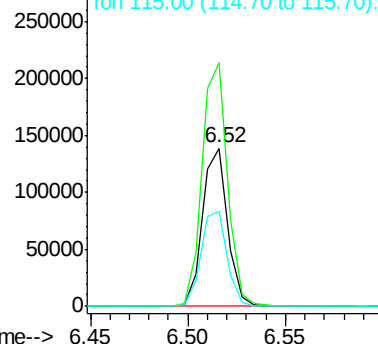
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.52 min Scan# 787
Delta R.T. -0.02 min
Lab File: BF097012.D
Acq: 25 Jul 2017 3:45

Instrument :
BNA_F
ClientSampleId :
CEMETERY-15-(0-2)

Tot Ion:152 Resp: 123582
Ion Ratio Lower Upper
152 100
150 154.0 126.2 189.2
115 60.1 52.2 78.2



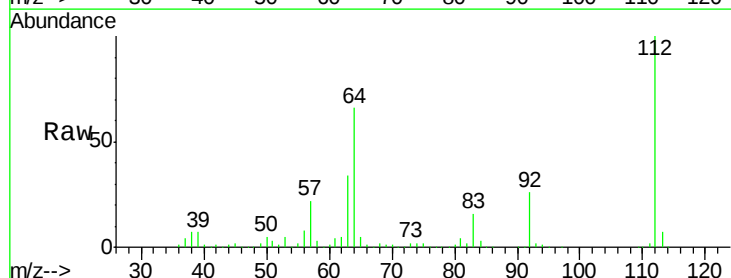
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



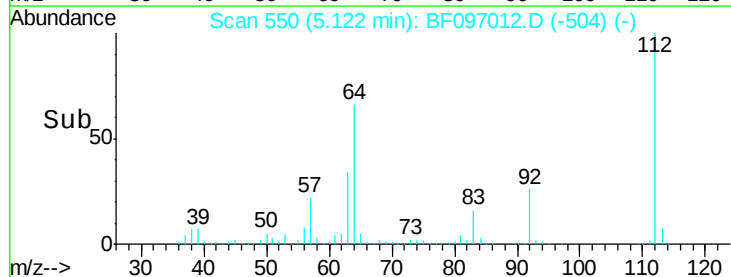
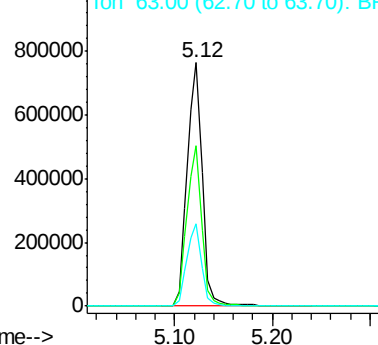
#5

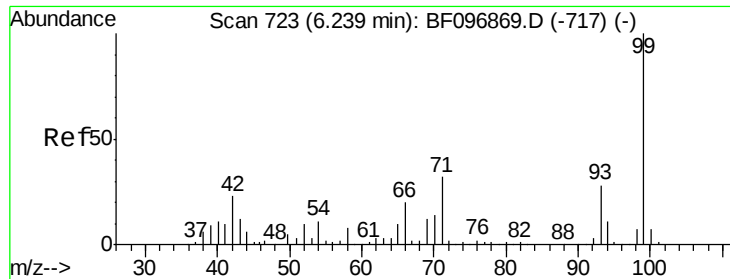
2-Fluorophenol
Concen: 100.15 ng
RT: 5.12 min Scan# 550
Delta R.T. -0.03 min
Lab File: BF097012.D
Acq: 25 Jul 2017 3:45

Tgt Ion:112 Resp: 823117
Ion Ratio Lower Upper
112 100
64 65.8 46.0 69.0
63 33.9 23.4 35.0



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: 93.67 ng

RT: 6.18 min Scan# 730

Delta R.T. -0.04 min

Lab File: BF097012.D

Acq: 25 Jul 2017 3:45

Instrument :

BNA_F

ClientSampleId :

CEMETERY-15-(0-2)

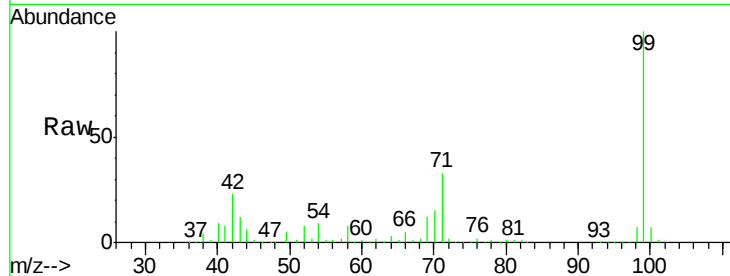
Tot Ion: 99 Resp: 923898

Ion Ratio Lower Upper

99 100

42 23.4 13.5 20.3#

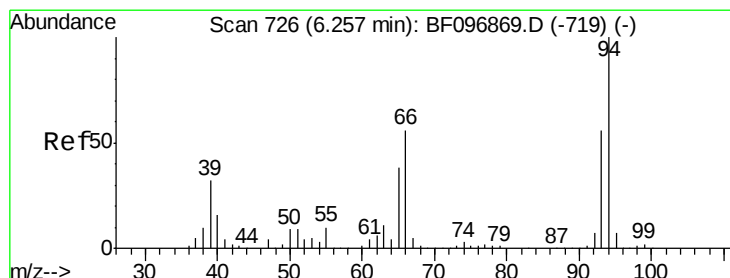
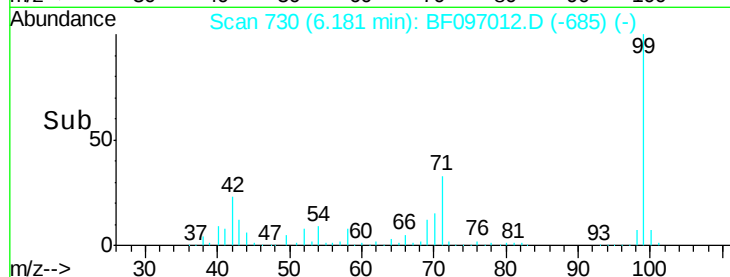
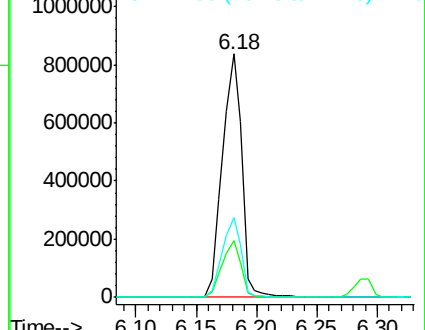
71 32.6 24.5 36.7



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



#10

Phenol

Concen: 3.10 ng

RT: 6.19 min Scan# 732

Delta R.T. -0.04 min

Lab File: BF097012.D

Acq: 25 Jul 2017 3:45

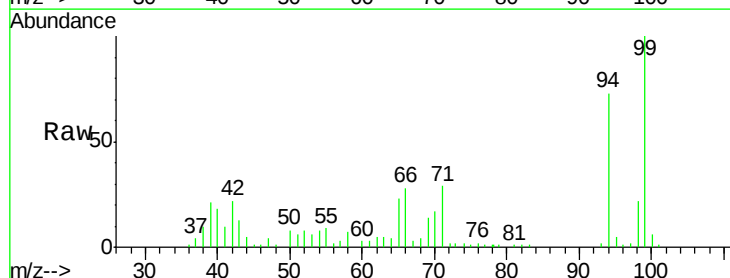
Tgt Ion: 94 Resp: 34588

Ion Ratio Lower Upper

94 100

65 31.4 9.9 49.9

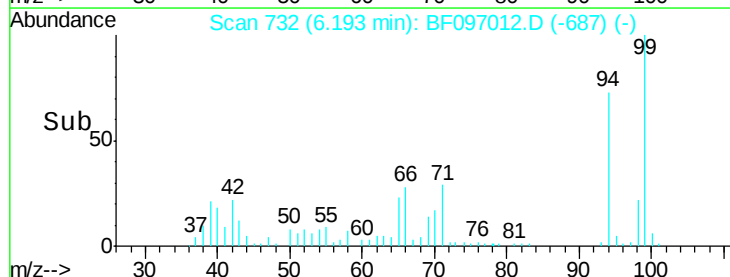
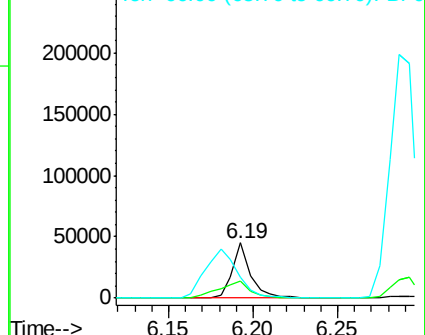
66 38.6 23.1 63.1

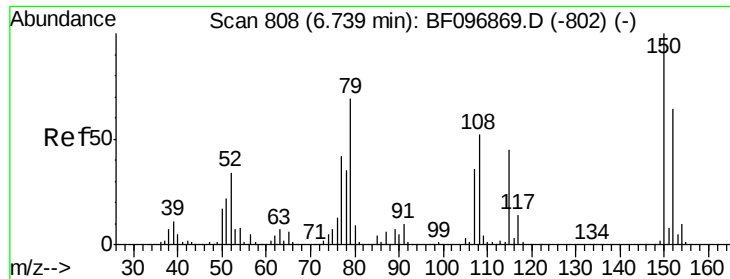


Abundance Ion 94.00 (93.70 to 94.70): BF0

Ion 65.00 (64.70 to 65.70): BF0

Ion 66.00 (65.70 to 66.70): BF0

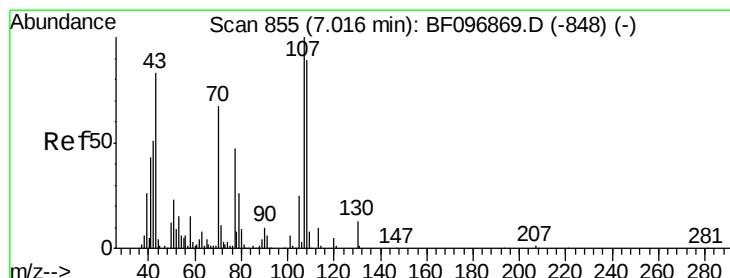
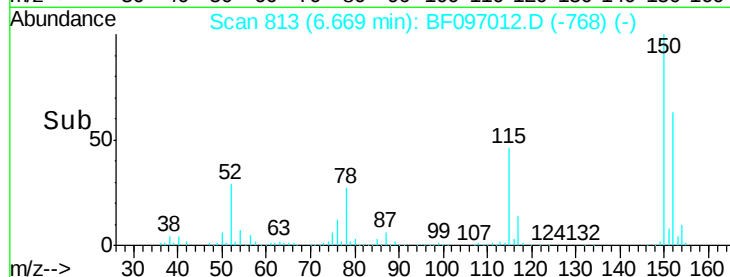
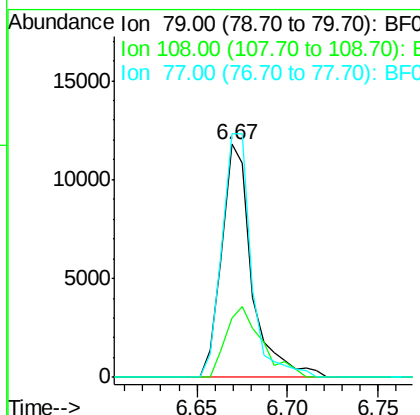
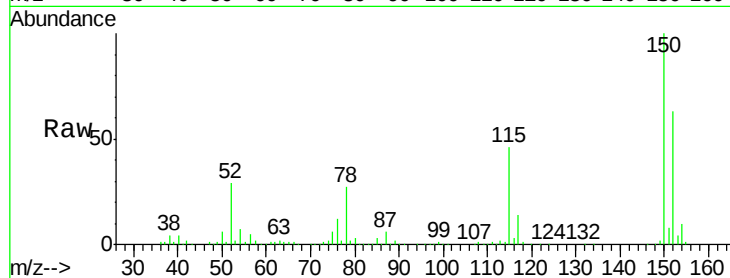




#15
Benzyl Alcohol
Concen: 2.13 ng
RT: 6.67 min Scan# 813
Delta R.T. -0.04 min
Lab File: BF097012.D
Acq: 25 Jul 2017 3:45

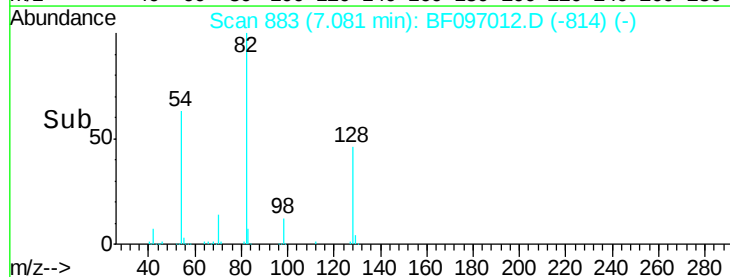
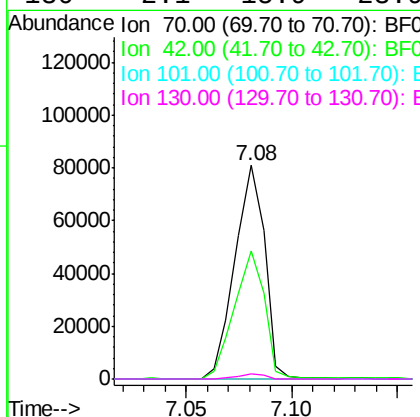
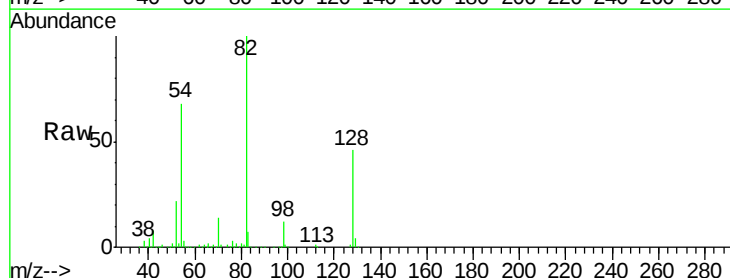
Instrument :
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CEMETERY-15-(0-2)

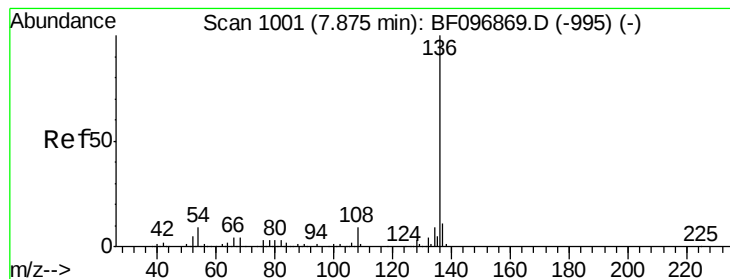
Tot Ion: 79 Resp: 13748
Ion Ratio Lower Upper
79 100
108 25.5 63.4 95.0#
77 104.3 49.2 73.8#



#19
n-Nitroso-di-n-propylamine
Concen: 13.40 ng
RT: 7.08 min Scan# 883
Delta R.T. 0.11 min
Lab File: BF097012.D
Acq: 25 Jul 2017 3:45

Tgt Ion: 70 Resp: 79604
Ion Ratio Lower Upper
70 100
42 60.2 47.2 70.8
101 0.0 7.2 10.8#
130 2.1 15.9 23.9#





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.80 min Scan# 1005

Delta R.T. -0.03 min

Lab File: BF097012.D

Acq: 25 Jul 2017 3:45

Instrument :

BNA_F

ClientSampleId :

CEMETERY-15-(0-2)

Tot Ion:136 Resp: 506204

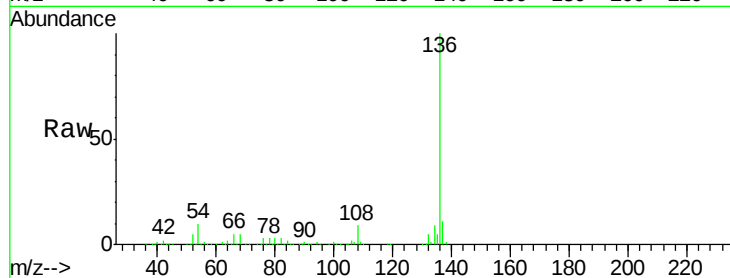
Ion Ratio Lower Upper

136 100

137 10.8 8.5 12.7

54 9.7 4.9 7.3#

68 5.1 4.1 6.1

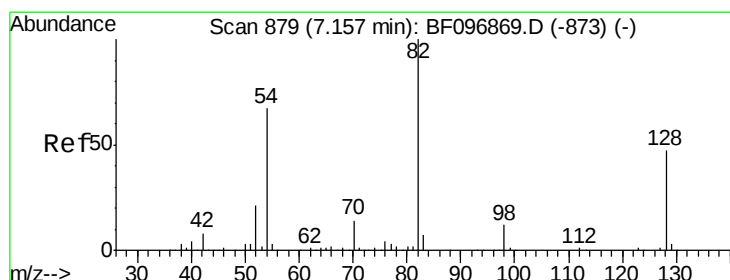
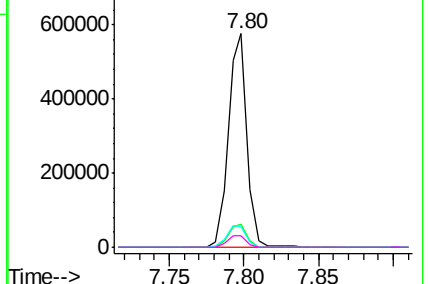
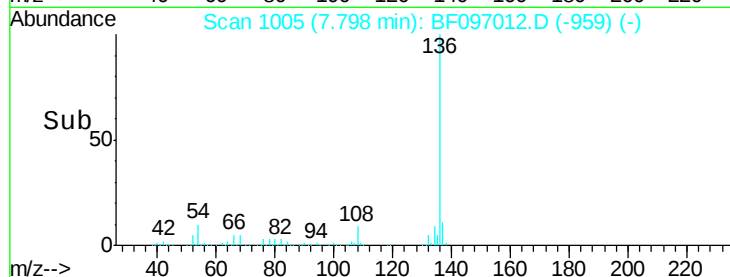


Abundance Ion 136.00 (135.70 to 136.70): E

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: 72.15 ng

RT: 7.08 min Scan# 883

Delta R.T. -0.04 min

Lab File: BF097012.D

Acq: 25 Jul 2017 3:45

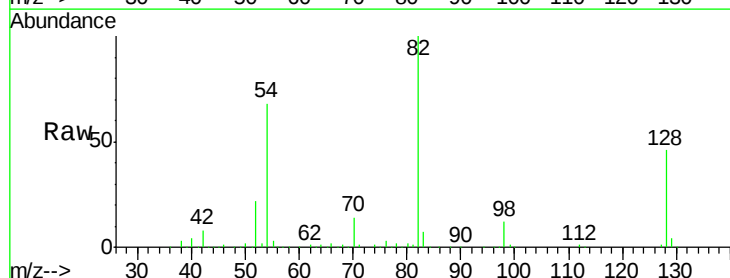
Tgt Ion: 82 Resp: 589615

Ion Ratio Lower Upper

82 100

128 46.2 34.0 51.0

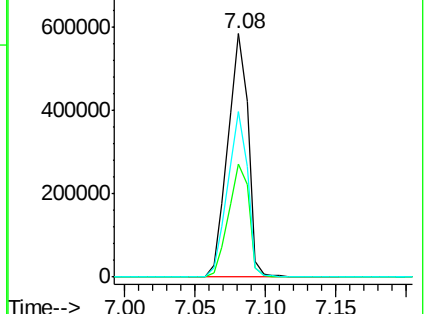
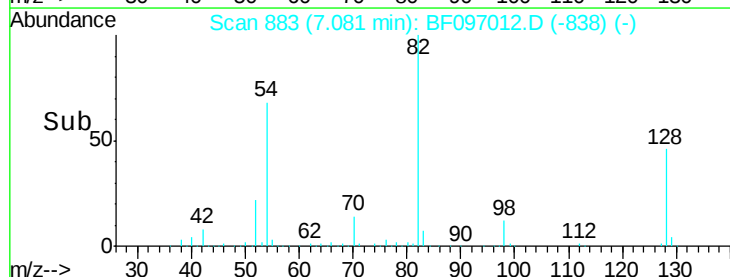
54 68.0 42.2 63.2#

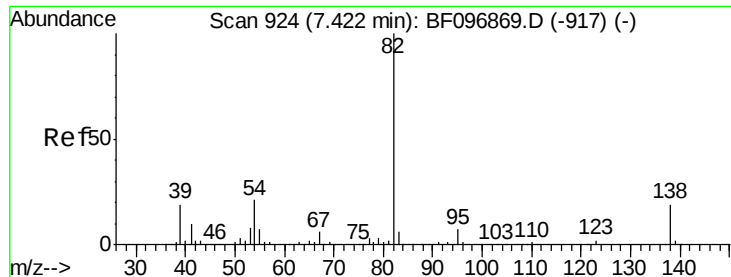


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0





#25

Isophorone

Concen: 38.57 ng

RT: 7.08 min Scan# 883

Delta R.T. -0.29 min

Lab File: BF097012.D

Acq: 25 Jul 2017 3:45

Instrument :

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CEMETERY-15-(0-2)

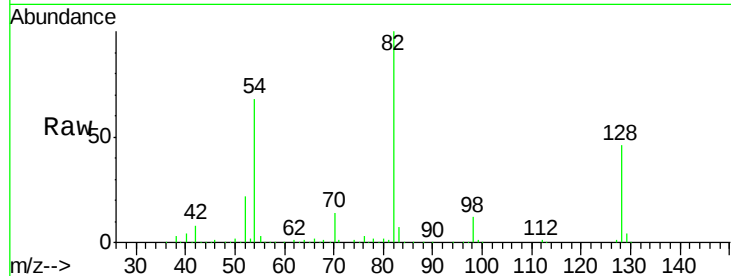
Tot Ion: 82 Resp: 586403

Ion Ratio Lower Upper

82 100

95 0.0 5.3 7.9#

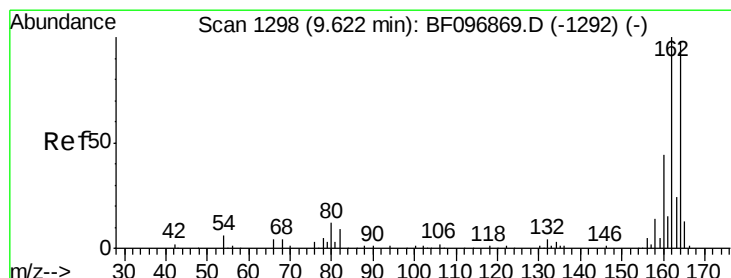
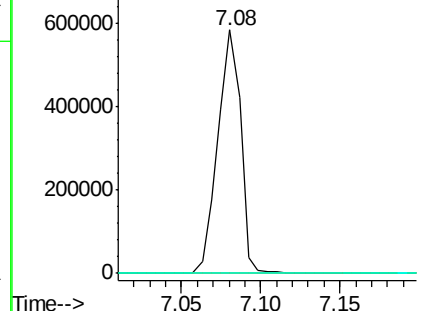
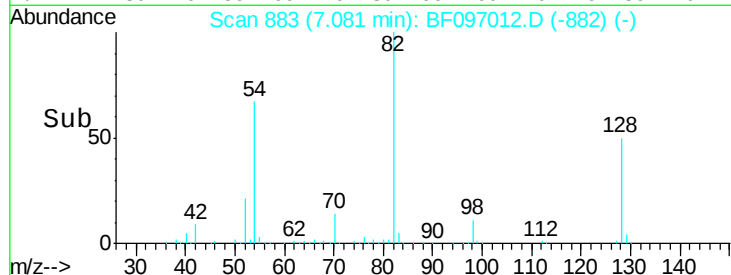
138 0.0 13.1 19.7#



Abundance Ion 82.00 (81.70 to 82.70): BF097012.D (-882) (-)

Ion 95.00 (94.70 to 95.70): BF097012.D (-882) (-)

Ion 138.00 (137.70 to 138.70): BF097012.D (-882) (-)



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.54 min Scan# 1301

Delta R.T. -0.04 min

Lab File: BF097012.D

Acq: 25 Jul 2017 3:45

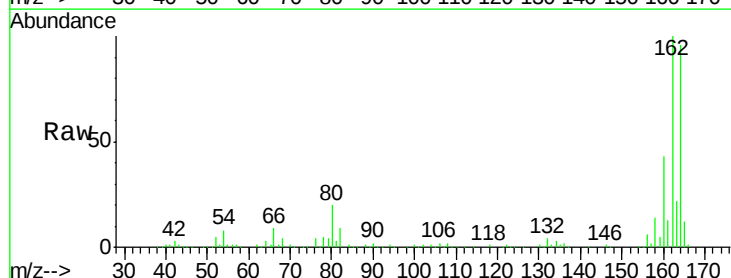
Tgt Ion: 164 Resp: 196418

Ion Ratio Lower Upper

164 100

162 103.9 82.6 123.8

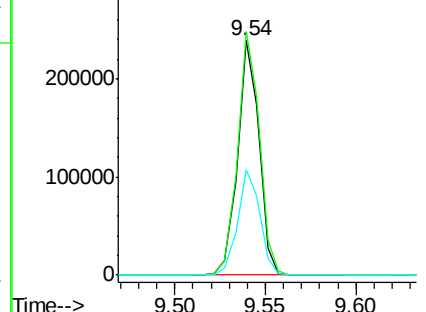
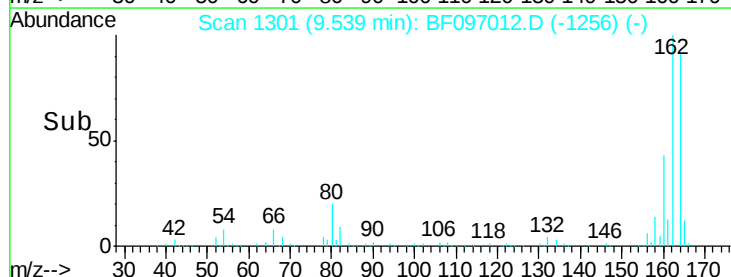
160 44.9 36.2 54.2

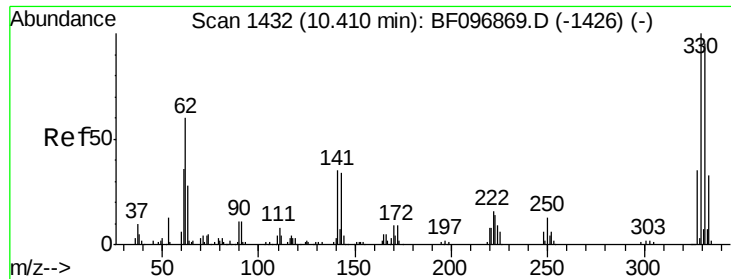


Abundance Ion 164.00 (163.70 to 164.70): BF097012.D (-1256) (-)

Ion 162.00 (161.70 to 162.70): BF097012.D (-1256) (-)

Ion 160.00 (159.70 to 160.70): BF097012.D (-1256) (-)

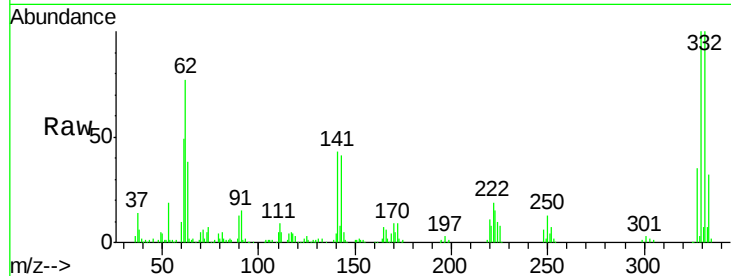




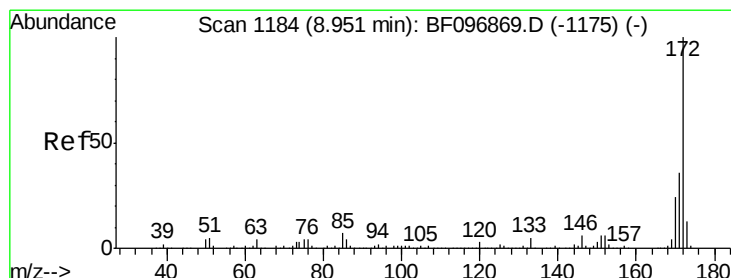
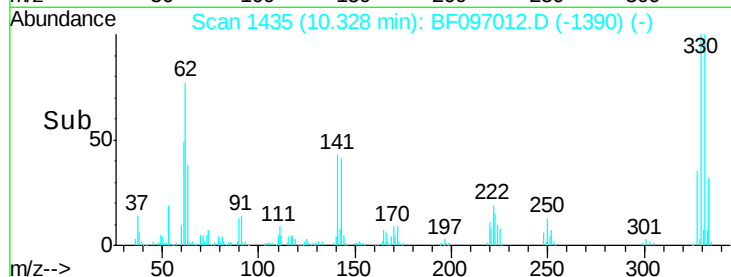
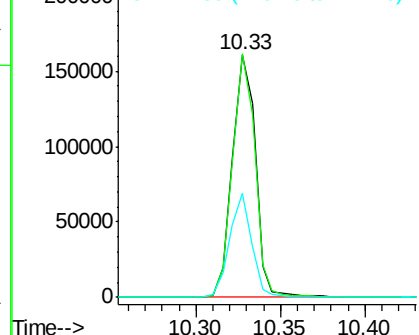
#41
 2,4,6-Tribromophenol
 Concen: 91.53 ng
 RT: 10.33 min Scan# 1435
 Delta R.T. -0.04 min
 Lab File: BF097012.D
 Acq: 25 Jul 2017 3:45

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Tot Ion:330 Resp: 153451
 Ion Ratio Lower Upper
 330 100
 332 98.0 76.6 115.0
 141 41.0 31.4 47.2

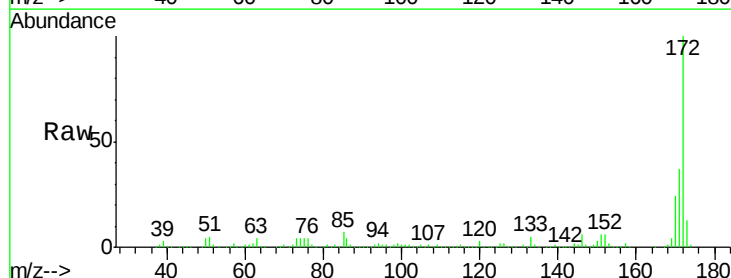


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

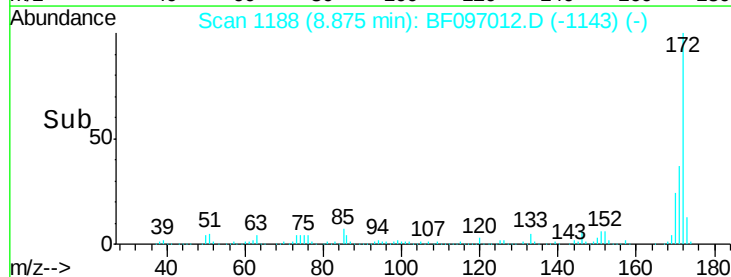
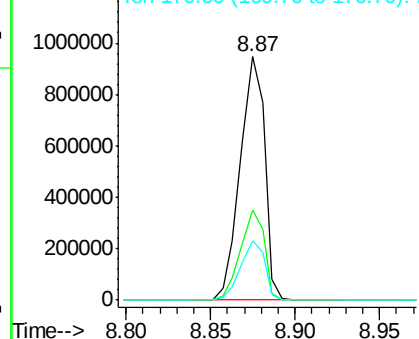


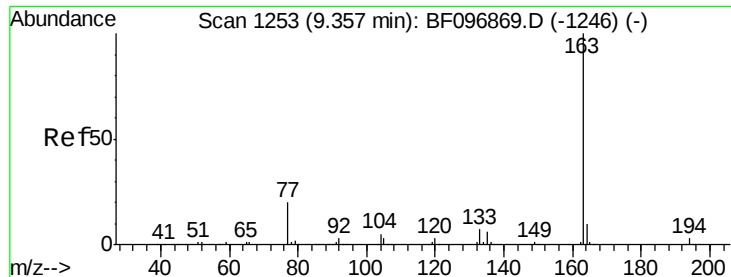
#44
 2-Fluorobiphenyl
 Concen: 77.06 ng
 RT: 8.87 min Scan# 1188
 Delta R.T. -0.04 min
 Lab File: BF097012.D
 Acq: 25 Jul 2017 3:45

Tgt Ion:172 Resp: 957964
 Ion Ratio Lower Upper
 172 100
 171 36.8 29.6 44.4
 170 24.4 19.8 29.8



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

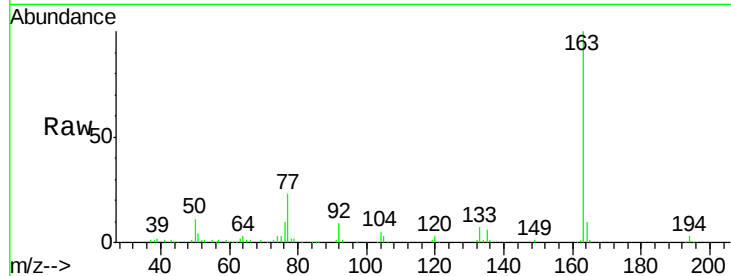




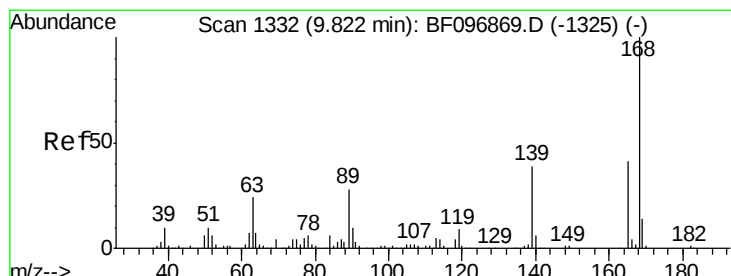
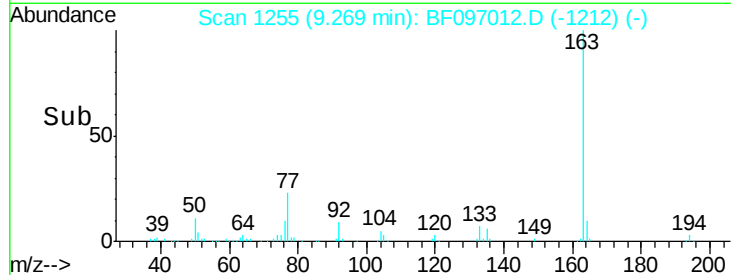
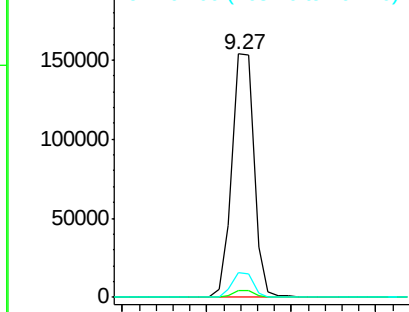
#49
Dimethylphthalate
Concen: 9.48 ng
RT: 9.27 min Scan# 1255
Delta R.T. -0.05 min
Lab File: BF097012.D
Acq: 25 Jul 2017 3:45

Instrument :
BNA_F
ClientSampleId :
CEMETERY-15-(0-2)

Tot Ion	Ratio	Lower	Upper
163	100		
194	2.8	2.6	4.0
164	10.2	8.4	12.6



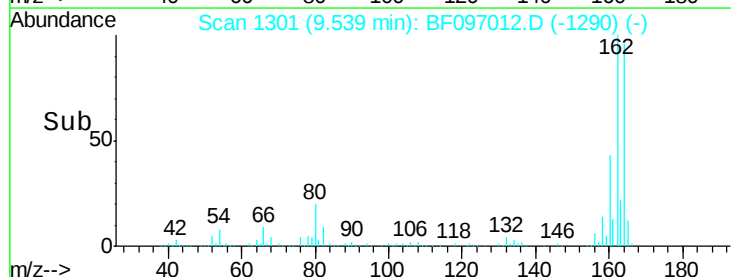
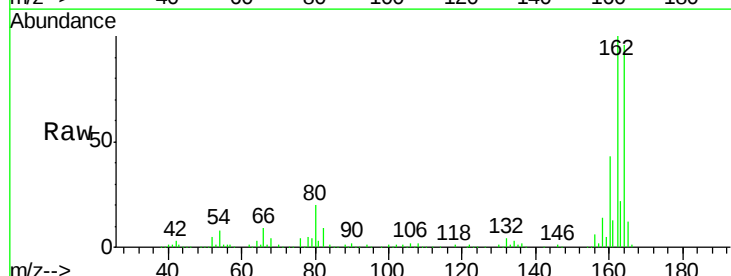
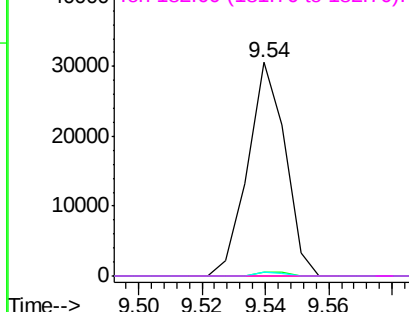
Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

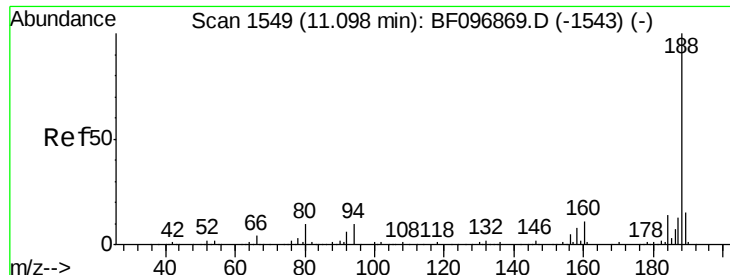


#56
2,4-Dinitrotoluene
Concen: 6.08 ng
RT: 9.54 min Scan# 1301
Delta R.T. -0.24 min
Lab File: BF097012.D
Acq: 25 Jul 2017 3:45

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.7	25.4	38.0#
89	1.6	46.4	69.6#
182	0.0	1.8	2.6#

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: 11.02 min Scan# 1552

Delta R.T. -0.04 min

Lab File: BF097012.D

Acq: 25 Jul 2017 3:45

Instrument :

BNA_F

ClientSampleId :

CEMETERY-15-(0-2)

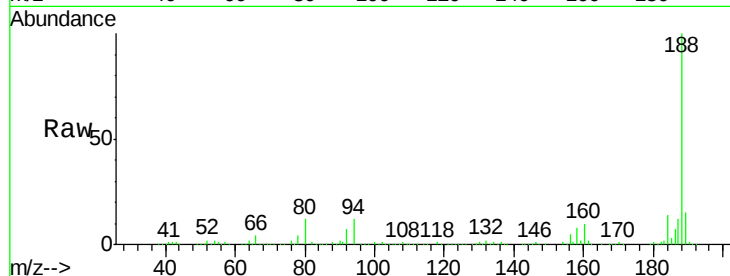
Tot Ion:188 Resp: 295875

Ion Ratio Lower Upper

188 100

94 11.5 9.4 14.2

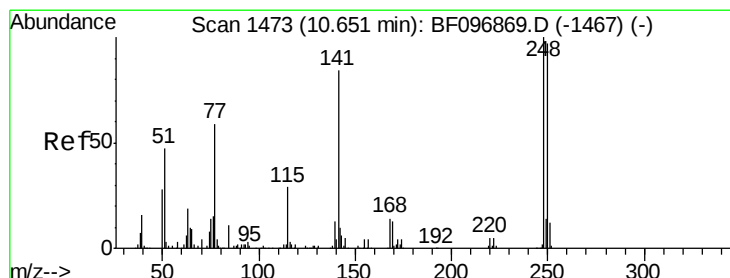
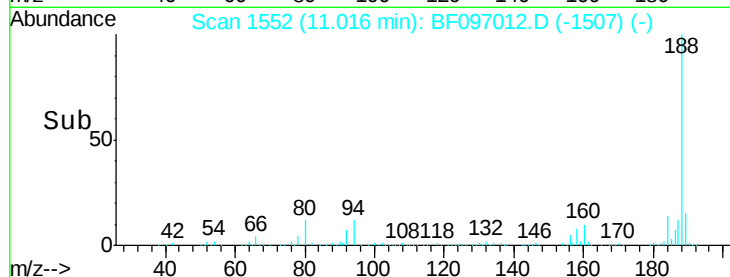
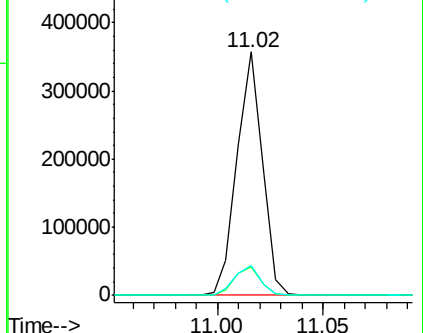
80 12.1 10.2 15.2



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: 3.22 ng

RT: 10.33 min Scan# 1435

Delta R.T. -0.28 min

Lab File: BF097012.D

Acq: 25 Jul 2017 3:45

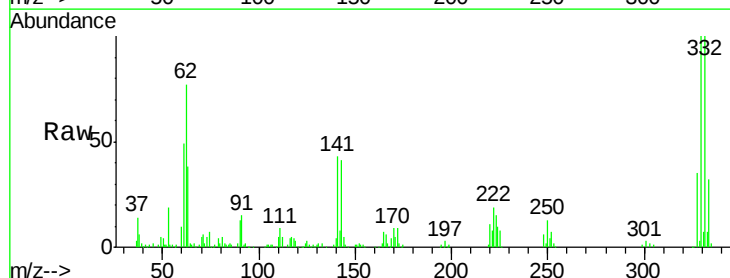
Tgt Ion:248 Resp: 9715

Ion Ratio Lower Upper

248 100

250 201.2 76.8 115.2#

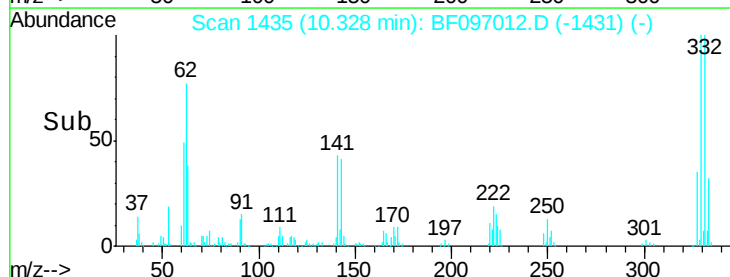
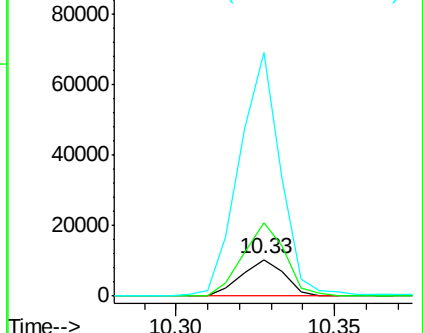
141 663.8 68.6 103.0#

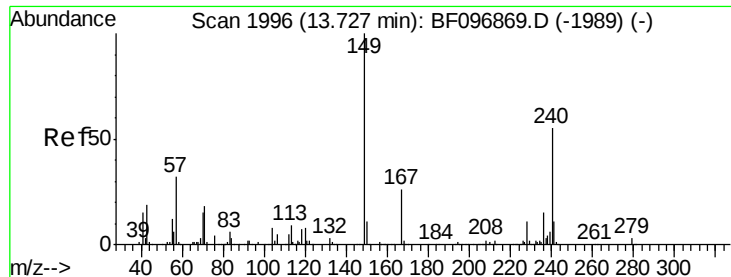


Abundance Ion 248.00 (247.70 to 248.70): E

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: 13.64 min Scan# 1998

Delta R.T. -0.04 min

Lab File: BF097012.D

Acq: 25 Jul 2017 3:45

Instrument :

BNA_F

ClientSampleId :

CEMETERY-15-(0-2)

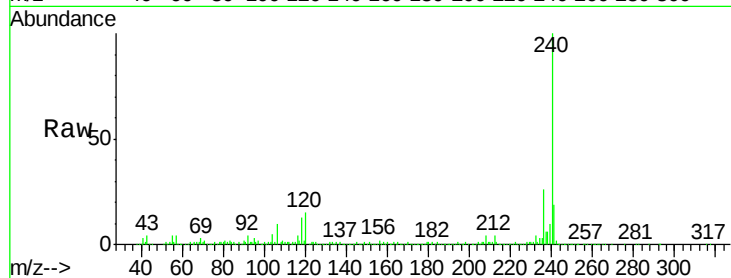
Tot Ion:240 Resp: 234669

Ion Ratio Lower Upper

240 100

120 15.0 5.8 8.8#

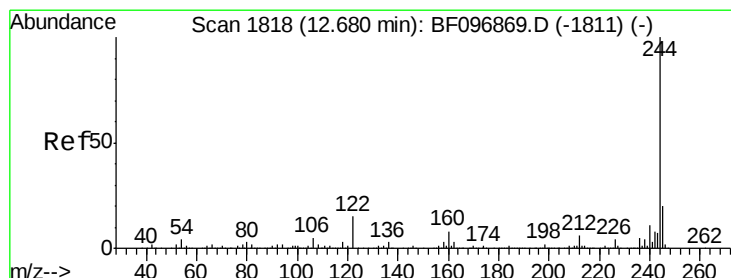
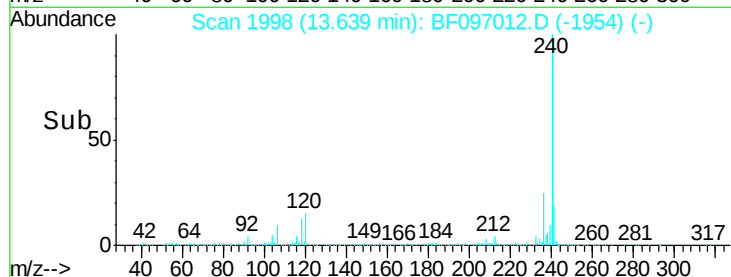
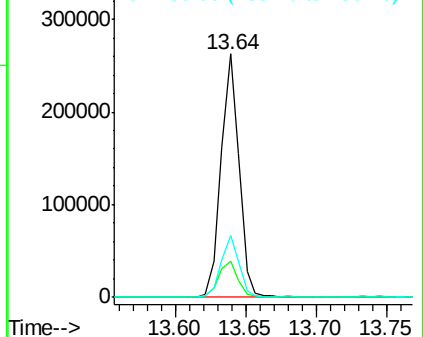
236 25.6 20.5 30.7



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: 44.14 ng

RT: 12.60 min Scan# 1822

Delta R.T. -0.03 min

Lab File: BF097012.D

Acq: 25 Jul 2017 3:45

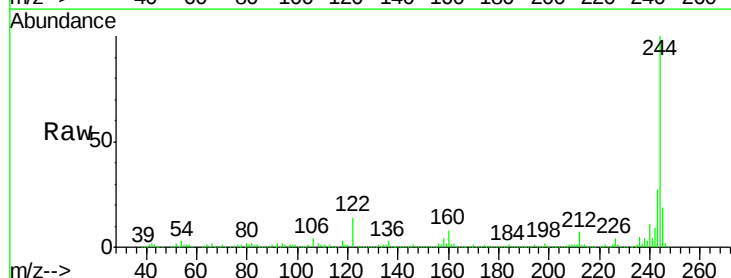
Tgt Ion:244 Resp: 597262

Ion Ratio Lower Upper

244 100

212 7.0 6.0 9.0

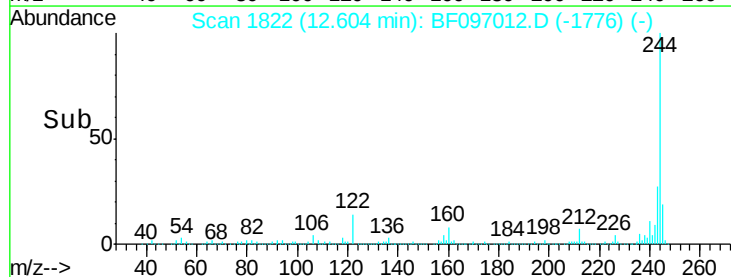
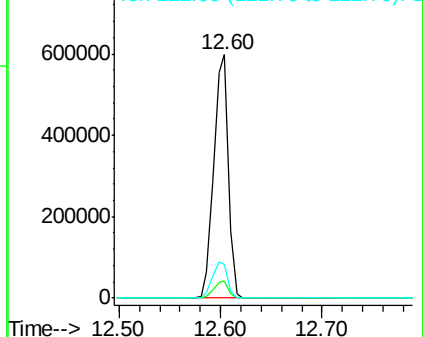
122 14.0 10.3 15.5

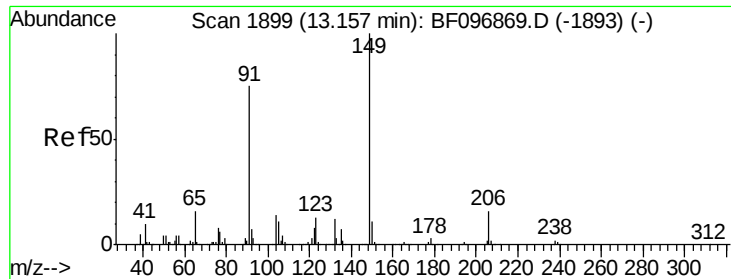


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

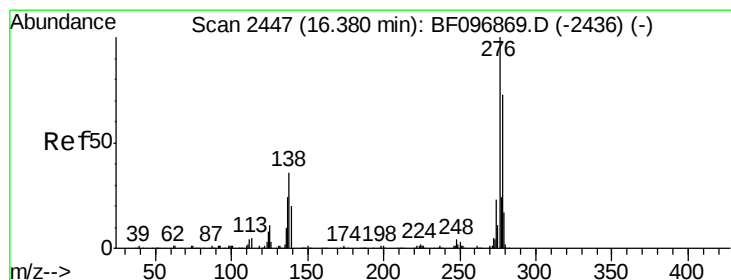
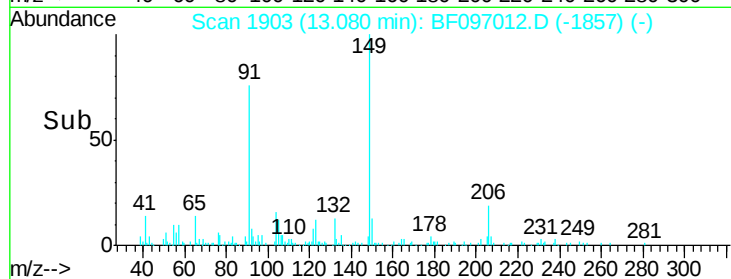
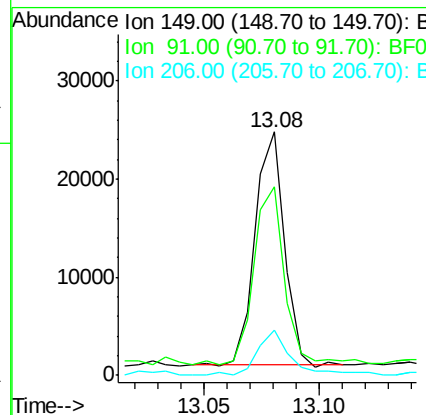
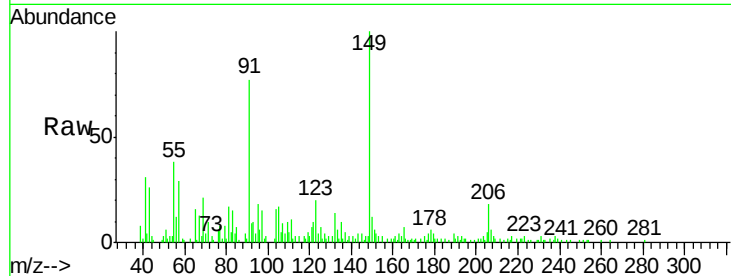




#79
Butylbenzylphthalate
Concen: 2.08 ng
RT: 13.08 min Scan# 1903
Delta R.T. -0.03 min
Lab File: BF097012.D
Acq: 25 Jul 2017 3:45

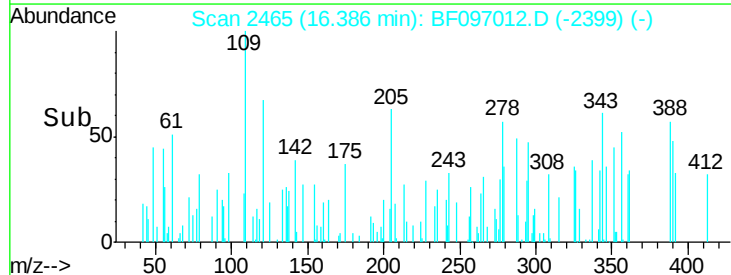
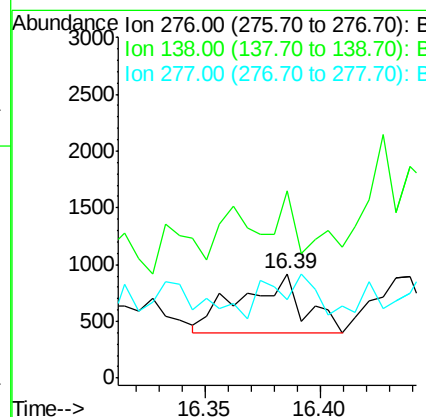
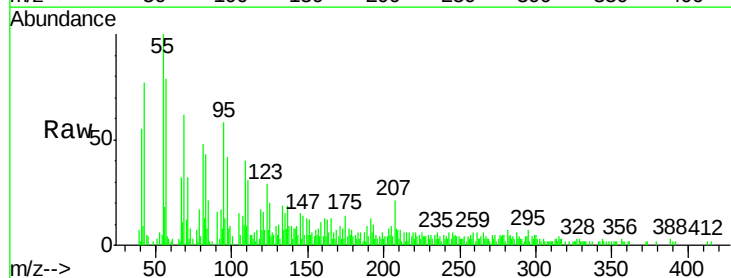
Instrument :
BNA_F
ClientSampleId :
CEMETERY-15-(0-2)

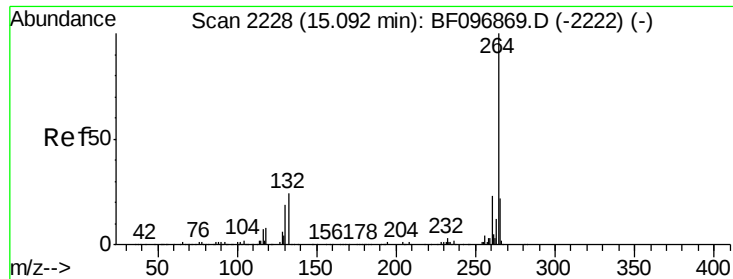
Tot Ion:149 Resp: 21027
Ion Ratio Lower Upper
149 100
91 77.4 45.0 67.4#
206 18.4 17.0 25.6



#85
Indeno(1,2,3-cd)pyrene
Concen: 3.40 ng
RT: 16.39 min Scan# 2465
Delta R.T. 0.09 min
Lab File: BF097012.D
Acq: 25 Jul 2017 3:45

Tgt Ion:276 Resp: 984
Ion Ratio Lower Upper
276 100
138 32.4 27.8 41.6
277 27.8 20.2 30.4

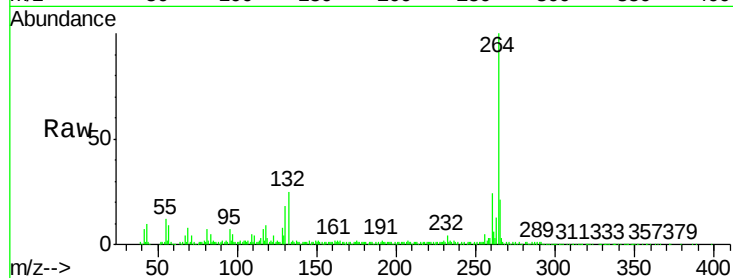




#86
Pervlene-d12
Concen: 20.00 ng
RT: 15.00 min Scan# 2229
Delta R.T. -0.04 min
Lab File: BF097012.D
Acq: 25 Jul 2017 3:45

Instrument :
BNA_F
ClientSampleId :
CEMETERY-15-(0-2)

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.7	19.5	29.3
265	21.3	17.2	25.8



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

