

Data Path : Z:\HPCHEM1\BNA F\DATA\BF072517\
 Data File : BF097043.D
 Acq On : 25 Jul 2017 21:49
 Operator : SJ/JU
 Sample : I4359-15
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 CEMETERY-8-(0-2)

Quant Time: Jul 26 01:06:25 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF072517.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jul 25 14:11:51 2017
 Response via : Initial Calibration

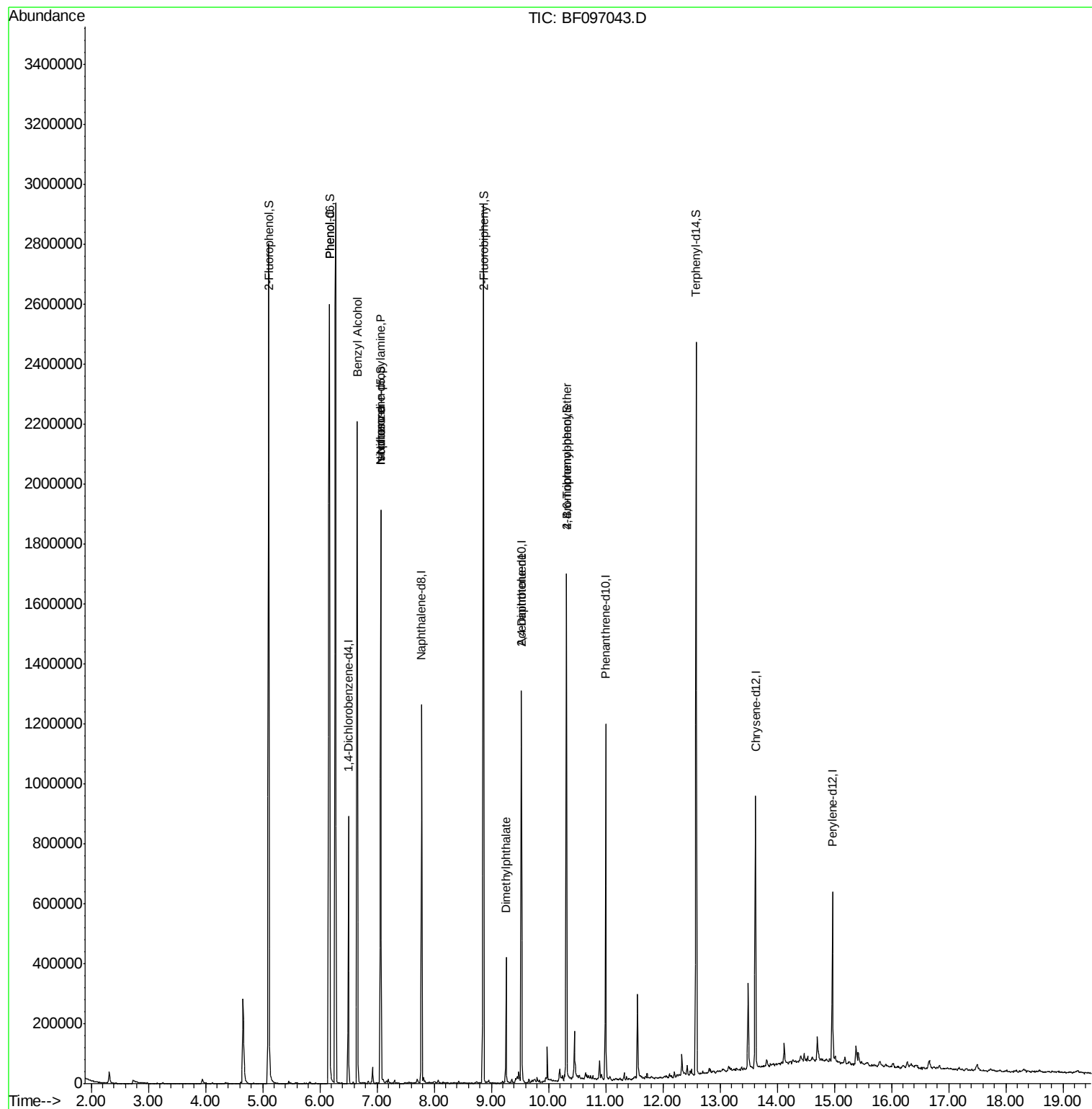
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.50	152	131308	20.00	ng	0.00
21) Naphthalene-d8	7.78	136	551096	20.00	ng	0.00
38) Acenaphthene-d10	9.53	164	266287	20.00	ng	0.00
63) Phenanthrene-d10	11.00	188	396697	20.00	ng	0.00
75) Chrysene-d12	13.62	240	305558	20.00	ng	0.00
86) Perylene-d12	14.97	264	220669	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.10	112	881628	101.22	ng	0.00
7) Phenol-d6	6.17	99	1082129	108.82	ng	0.00
23) Nitrobenzene-d5	7.07	82	635101	67.61	ng	0.00
41) 2,4,6-Tribromophenol	10.32	330	210061	99.84	ng	0.00
44) 2-Fluorobiphenyl	8.86	172	1065985	67.94	ng	0.00
78) Terphenyl-d14	12.59	244	838336	55.94	ng	0.00
Target Compounds						
10) Phenol	6.17	94	35043	2.97	ng	99
15) Benzyl Alcohol	6.65	79	12810	2.03	ng	# 43
19) n-Nitroso-di-n-propylamine	7.07	70	85589	13.08	ng	# 88
25) Isophorone	7.07	82	623822	33.91	ng	# 67
49) Dimethylphthalate	9.26	163	151536	7.49	ng	98
56) 2,4-Dinitrotoluene	9.53	165	33498	6.79	ng	# 33
66) 4-Bromophenyl-phenylether	10.32	248	13266	3.35	ng	# 1

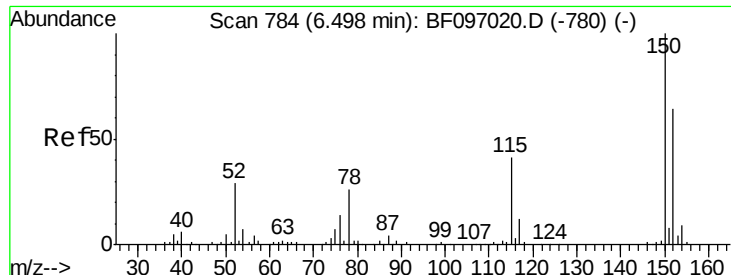
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.50 min Scan# 784

Delta R.T. -0.00 min

Lab File: BF097043.D

Acq: 25 Jul 2017 21:49

Instrument :

BNA_F

ClientSampleId :

CEMETERY-8-(0-2)

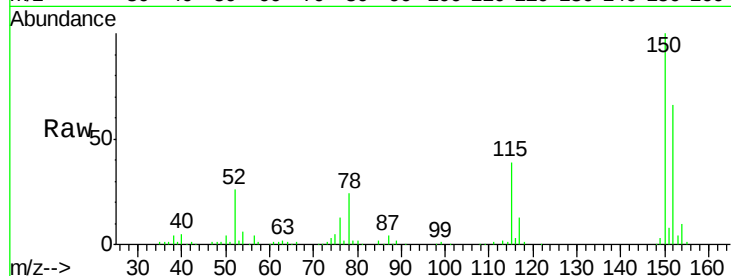
Tot Ion:152 Resp: 131308

Ion Ratio Lower Upper

152 100

150 152.6 126.2 189.2

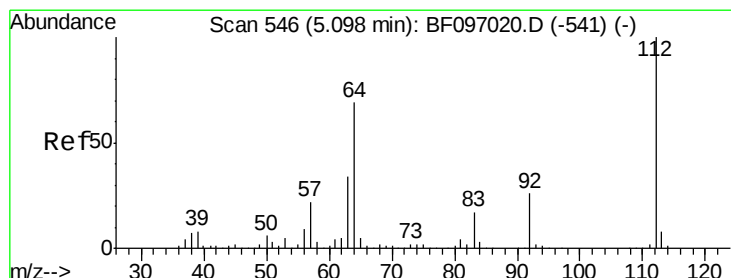
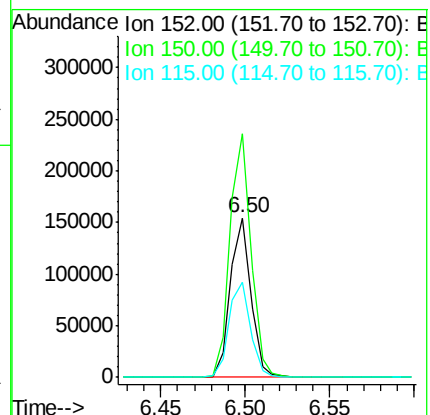
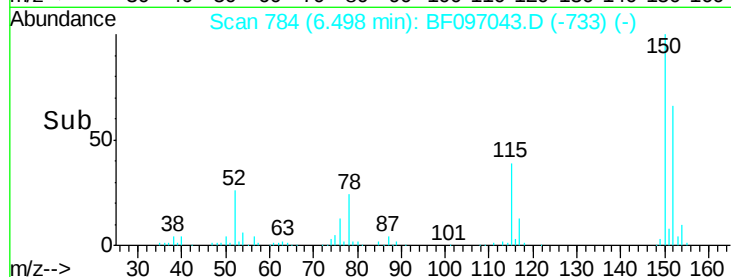
115 59.4 52.2 78.2



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: 101.22 ng

RT: 5.10 min Scan# 547

Delta R.T. 0.01 min

Lab File: BF097043.D

Acq: 25 Jul 2017 21:49

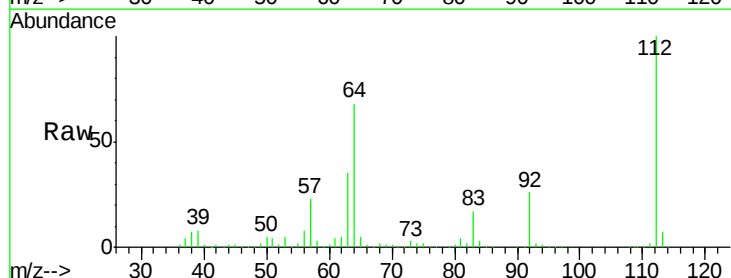
Tgt Ion:112 Resp: 881628

Ion Ratio Lower Upper

112 100

64 68.0 46.0 69.0

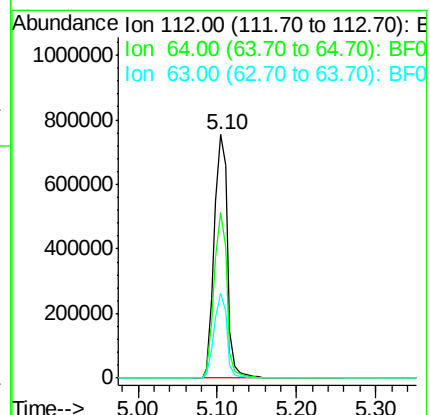
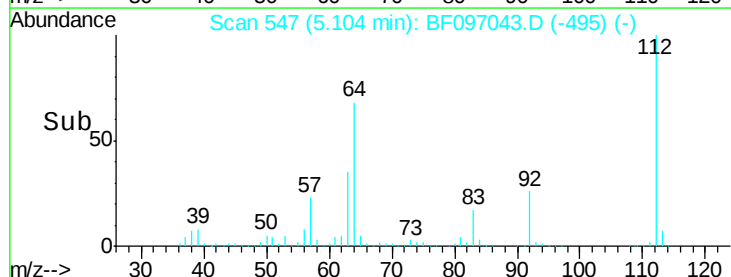
63 34.8 23.4 35.0

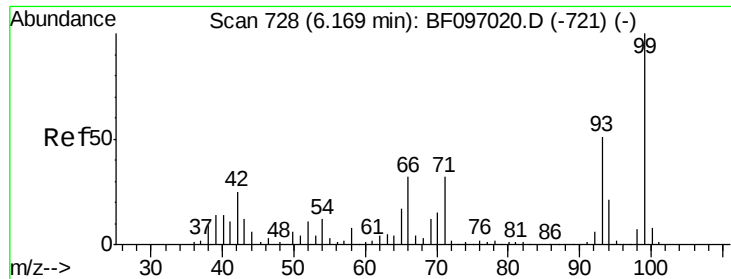


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 108.82 ng

RT: 6.17 min Scan# 728

Delta R.T. -0.00 min

Lab File: BF097043.D

Acq: 25 Jul 2017 21:49

Instrument :

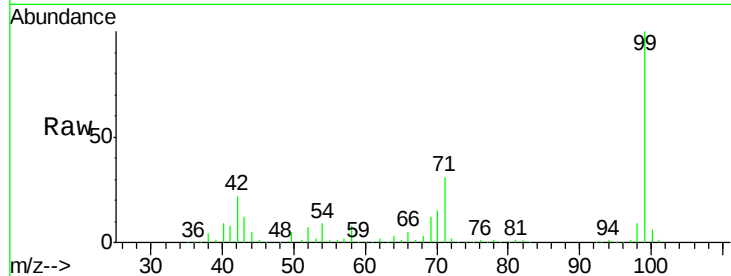
BNA_F

ClientSampleId :

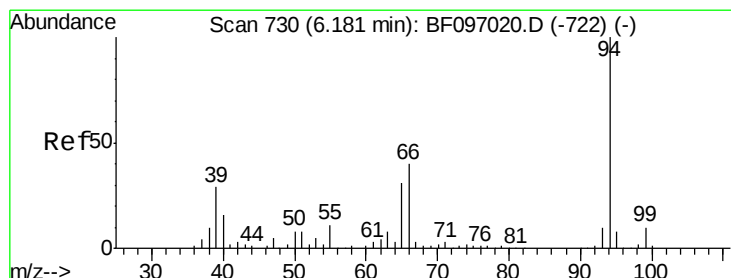
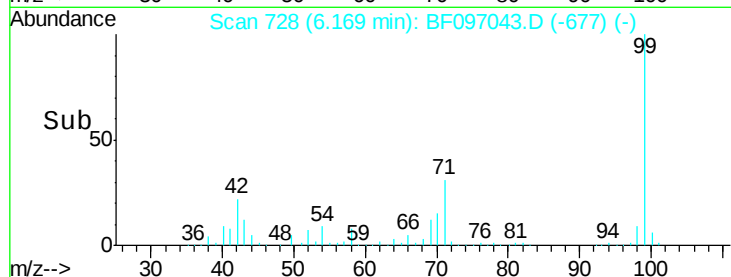
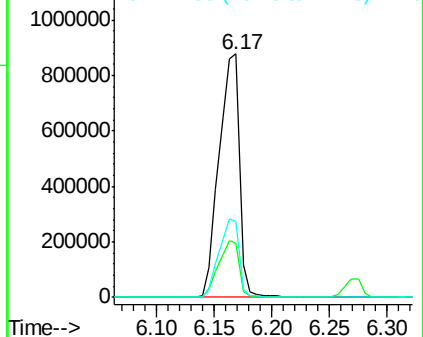
CEMETERY-8-(0-2)

Tot Ion: 99 Resp: 1082129

Ion	Ratio	Lower	Upper
99	100		
42	22.0	13.5	20.3#
71	31.2	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: 2.97 ng

RT: 6.17 min Scan# 729

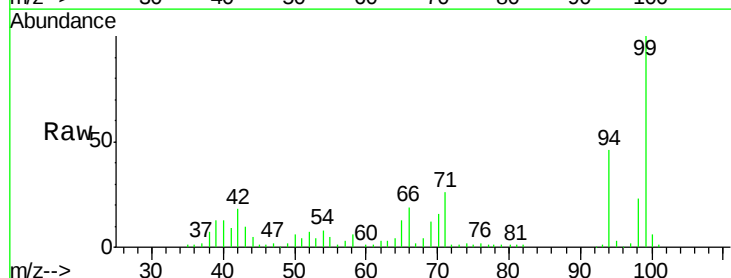
Delta R.T. -0.01 min

Lab File: BF097043.D

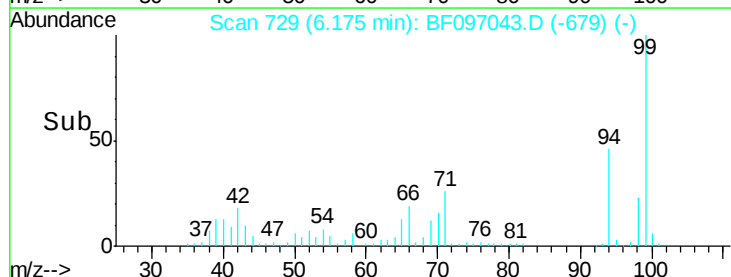
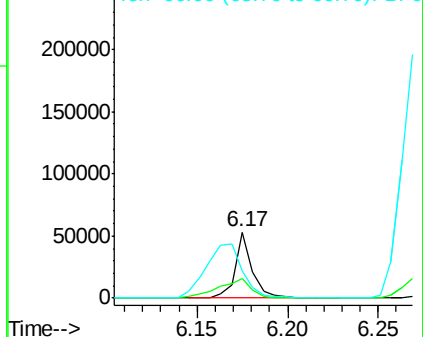
Acq: 25 Jul 2017 21:49

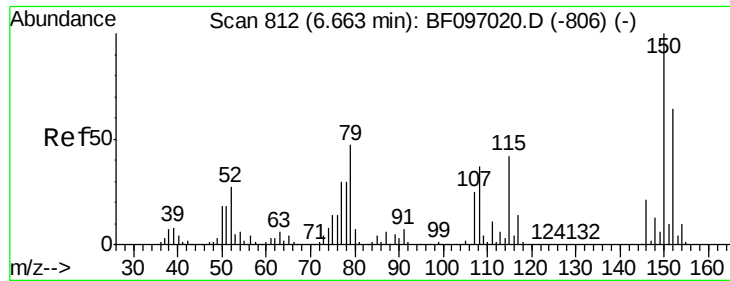
Tgt Ion: 94 Resp: 35043

Ion	Ratio	Lower	Upper
94	100		
65	29.1	9.9	49.9
66	42.4	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

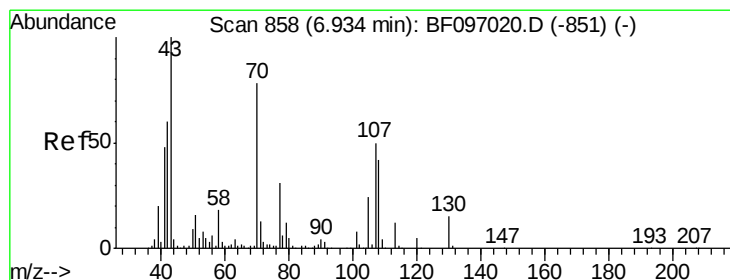
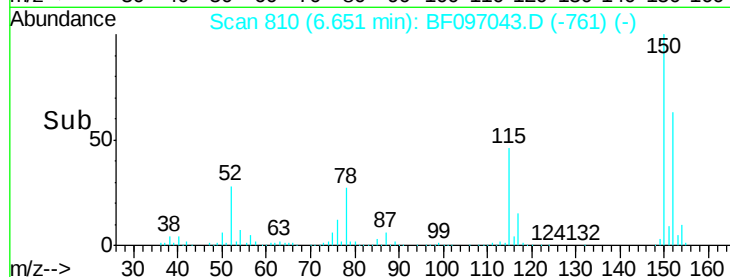
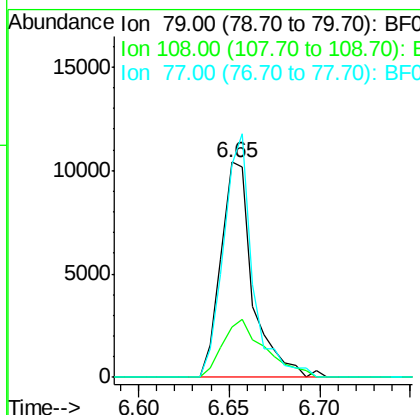
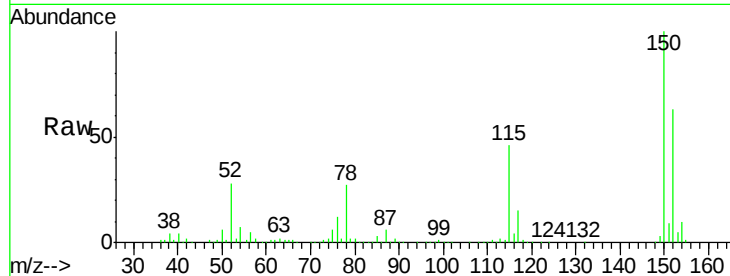




#15
Benzyl Alcohol
Concen: 2.03 ng
RT: 6.65 min Scan# 810
Delta R.T. -0.01 min
Lab File: BF097043.D
Acq: 25 Jul 2017 21:49

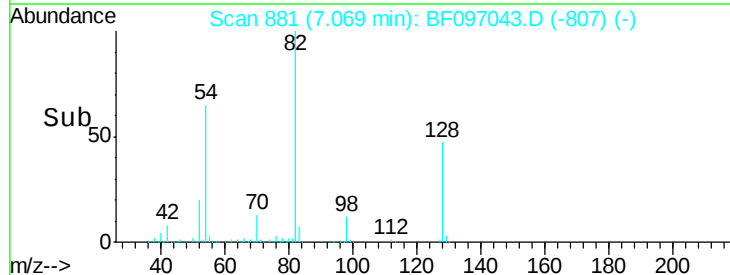
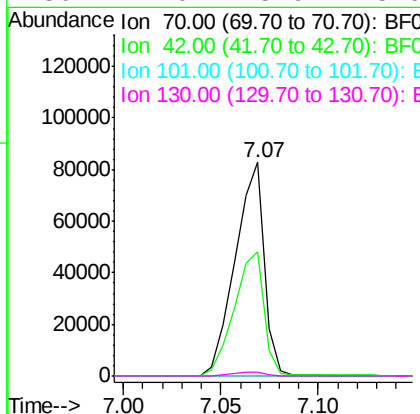
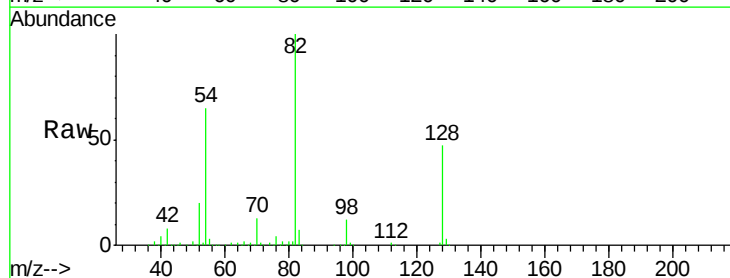
Instrument :
BNA_F
ClientSampleId :
CEMETERY-8-(0-2)

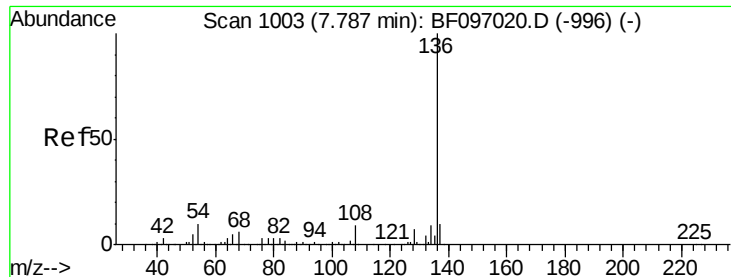
Tot Ion: 79 Resp: 12810
Ion Ratio Lower Upper
79 100
108 23.6 63.4 95.0#
77 99.4 49.2 73.8#



#19
n-Nitroso-di-n-propylamine
Concen: 13.08 ng
RT: 7.07 min Scan# 881
Delta R.T. 0.14 min
Lab File: BF097043.D
Acq: 25 Jul 2017 21:49

Tgt Ion: 70 Resp: 85589
Ion Ratio Lower Upper
70 100
42 58.0 47.2 70.8
101 0.0 7.2 10.8#
130 2.0 15.9 23.9#





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.78 min Scan# 1002

Delta R.T. -0.01 min

Lab File: BF097043.D

Acq: 25 Jul 2017 21:49

Instrument :

BNA_F

ClientSampleId :

CEMETERY-8-(0-2)

Tot Ion:136 Resp: 551096

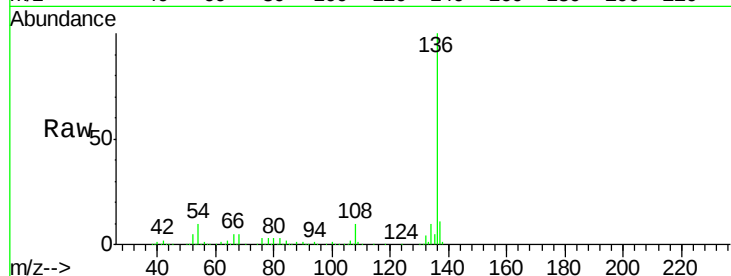
Ion Ratio Lower Upper

136 100

137 11.2 8.5 12.7

54 10.0 4.9 7.3#

68 5.2 4.1 6.1

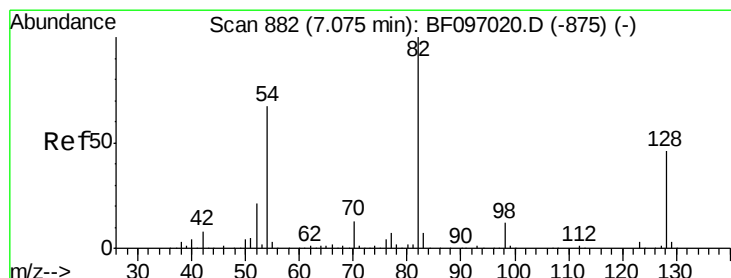
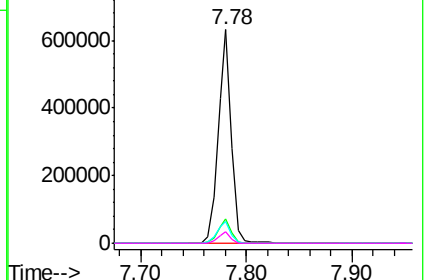
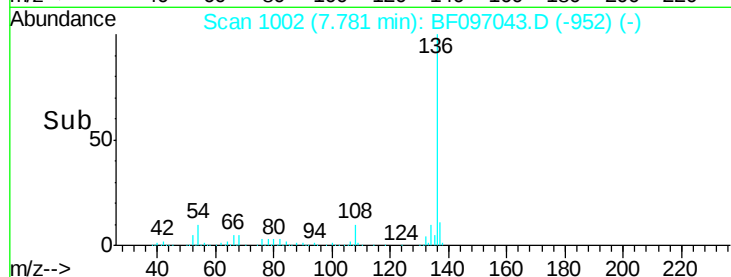


Abundance Ion 136.00 (135.70 to 136.70): E

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: 67.61 ng

RT: 7.07 min Scan# 881

Delta R.T. -0.01 min

Lab File: BF097043.D

Acq: 25 Jul 2017 21:49

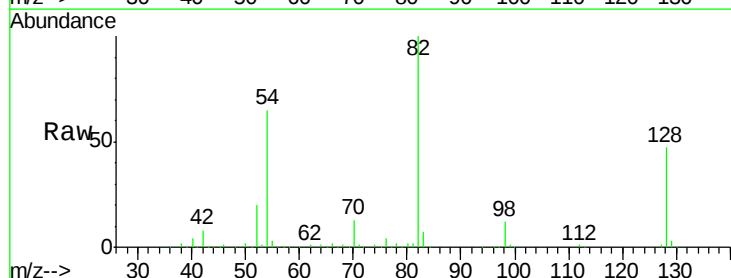
Tgt Ion: 82 Resp: 635101

Ion Ratio Lower Upper

82 100

128 46.8 34.0 51.0

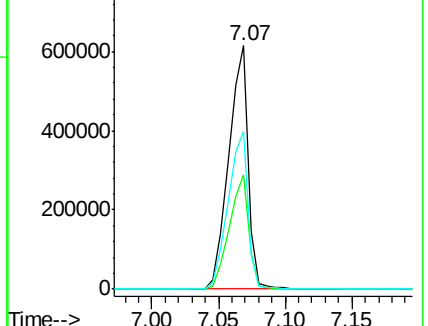
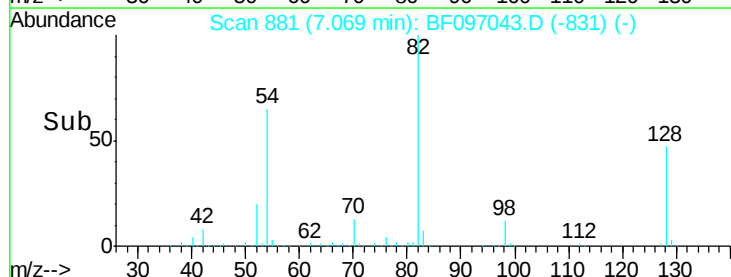
54 64.6 42.2 63.2#

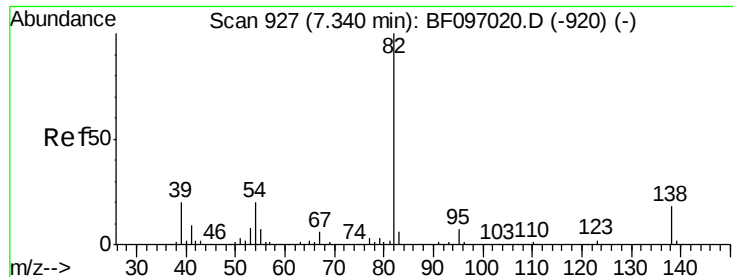


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0





#25

Isophorone

Concen: 33.91 ng

RT: 7.07 min Scan# 881

Delta R.T. -0.27 min

Lab File: BF097043.D

Acq: 25 Jul 2017 21:49

Instrument :

BNA_F

ClientSampleId :

CEMETERY-8-(0-2)

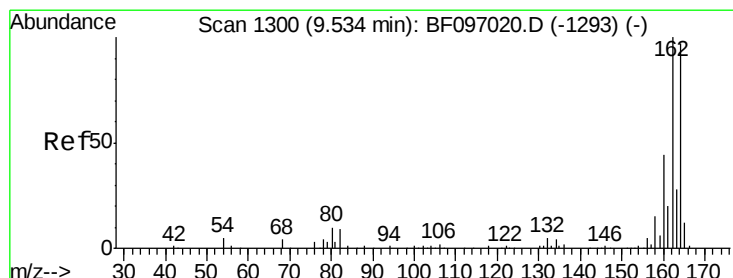
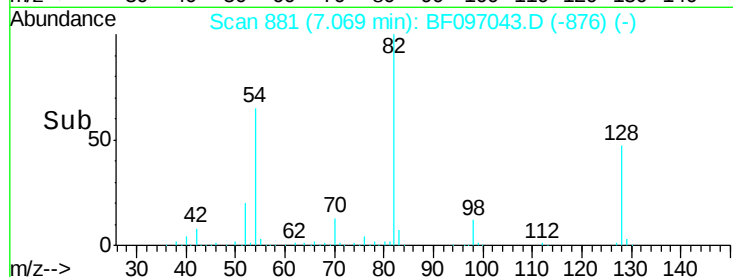
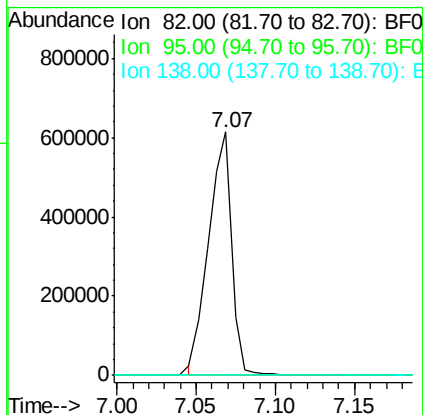
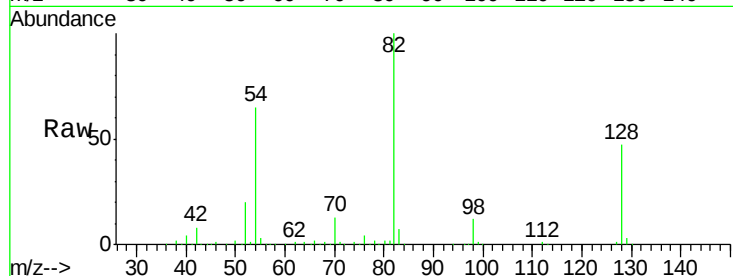
Tot Ion: 82 Resp: 623822

Ion Ratio Lower Upper

82 100

95 0.0 5.3 7.9#

138 0.0 13.1 19.7#



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.53 min Scan# 1299

Delta R.T. -0.01 min

Lab File: BF097043.D

Acq: 25 Jul 2017 21:49

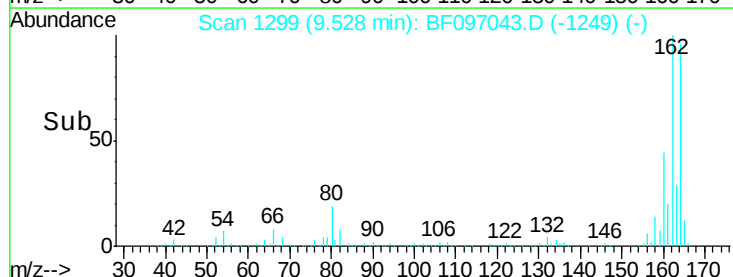
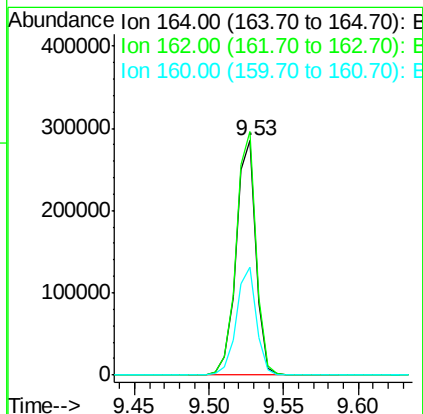
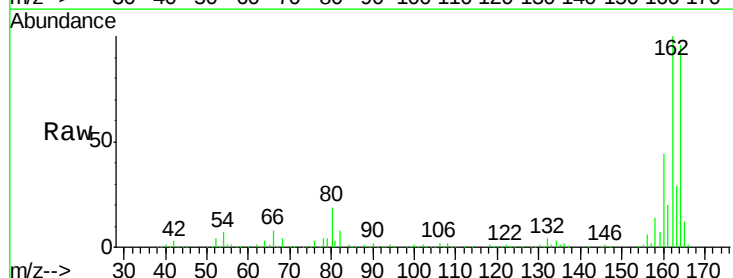
Tgt Ion: 164 Resp: 266287

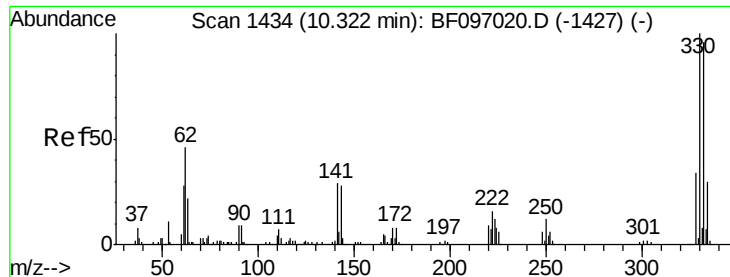
Ion Ratio Lower Upper

164 100

162 103.9 82.6 123.8

160 46.1 36.2 54.2

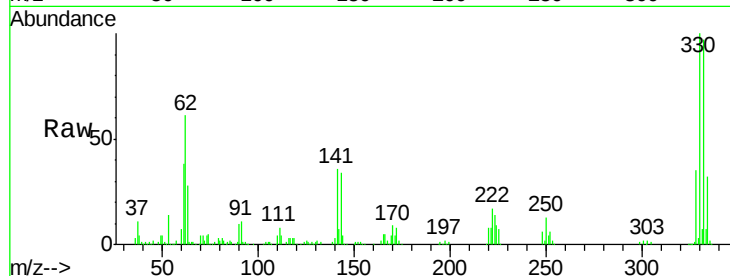




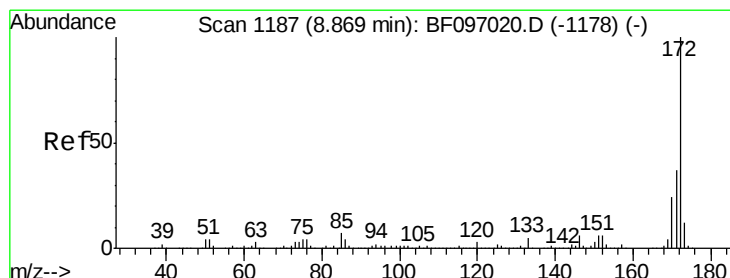
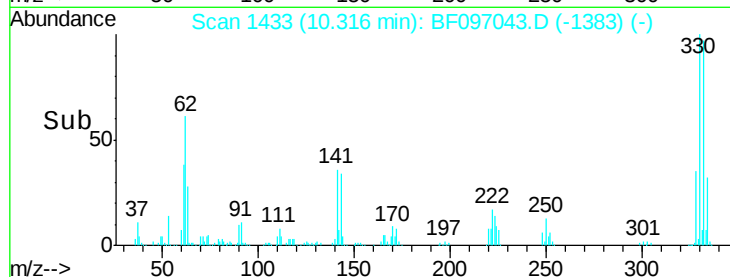
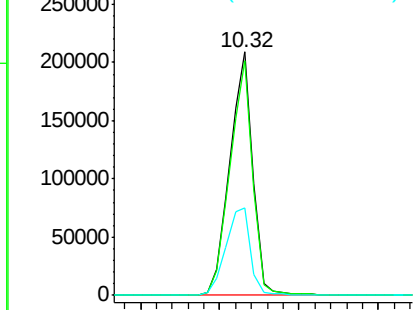
#41
 2,4,6-Tribromophenol
 Concen: 99.84 ng
 RT: 10.32 min Scan# 1433
 Delta R.T. -0.01 min
 Lab File: BF097043.D
 Acq: 25 Jul 2017 21:49

Instrument :
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 CEMETERY-8-(0-2)

Tot Ion:330 Resp: 210061
 Ion Ratio Lower Upper
 330 100
 332 95.6 76.6 115.0
 141 38.5 31.4 47.2

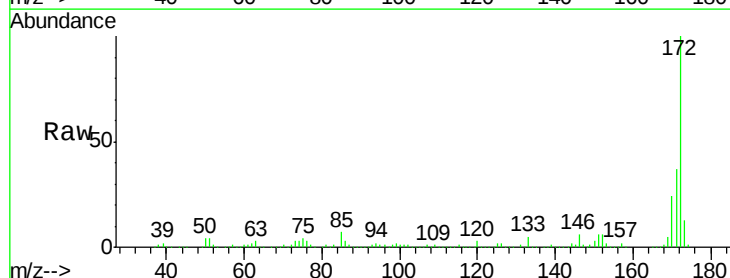


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

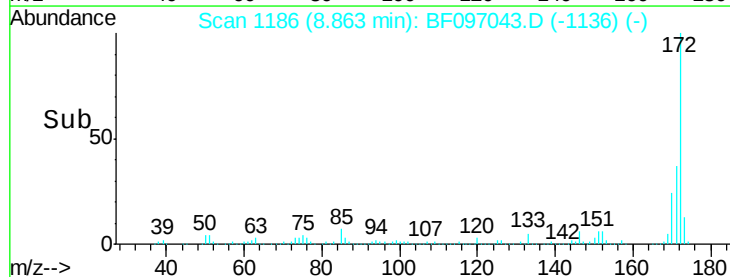
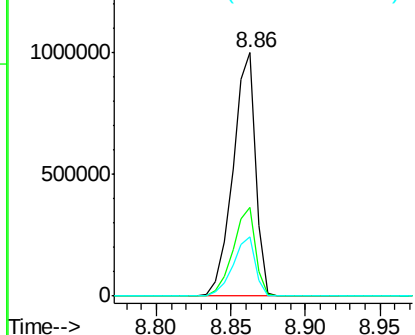


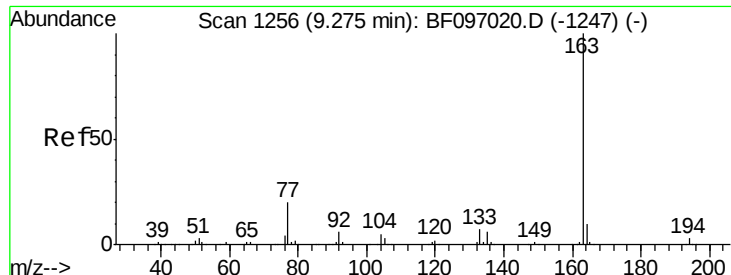
#44
 2-Fluorobiphenyl
 Concen: 67.94 ng
 RT: 8.86 min Scan# 1186
 Delta R.T. -0.01 min
 Lab File: BF097043.D
 Acq: 25 Jul 2017 21:49

Tgt Ion:172 Resp: 1065985
 Ion Ratio Lower Upper
 172 100
 171 36.7 29.6 44.4
 170 24.3 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

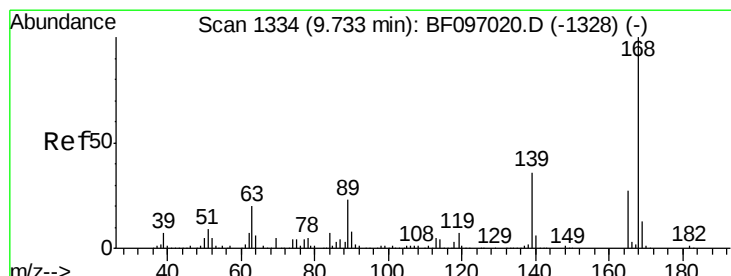
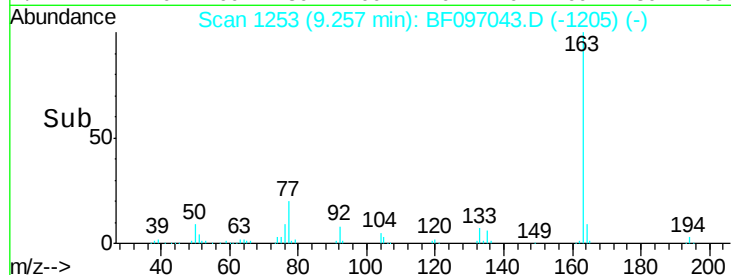
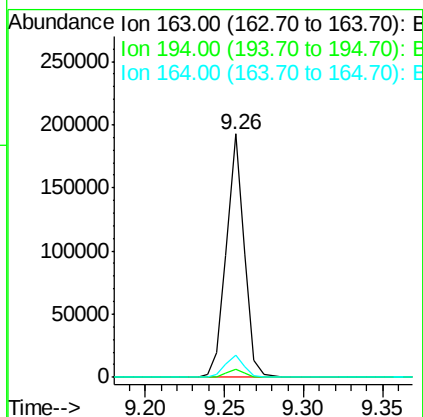
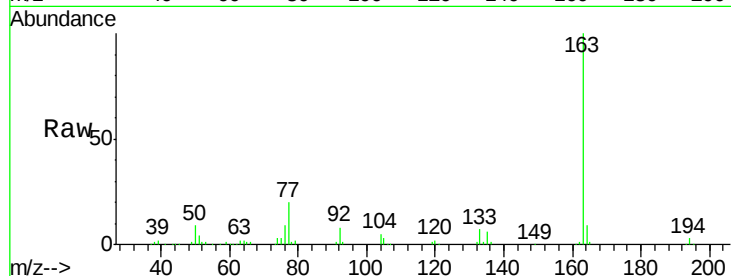




#49
Dimethylphthalate
Concen: 7.49 ng
RT: 9.26 min Scan# 1253
Delta R.T. -0.02 min
Lab File: BF097043.D
Acq: 25 Jul 2017 21:49

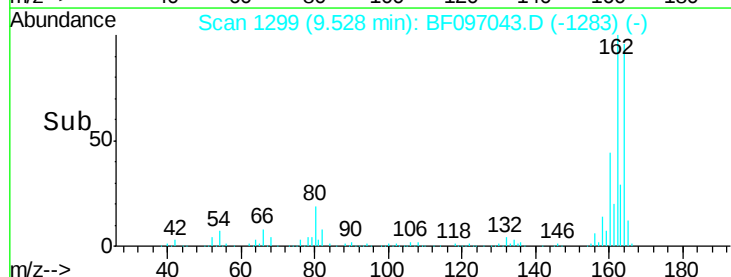
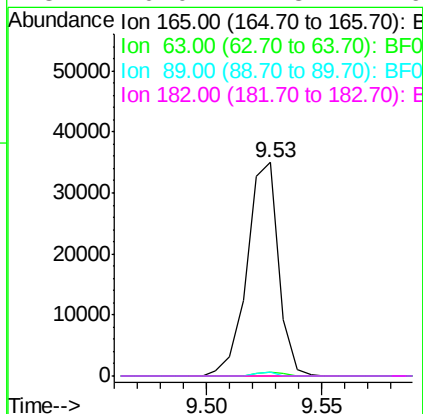
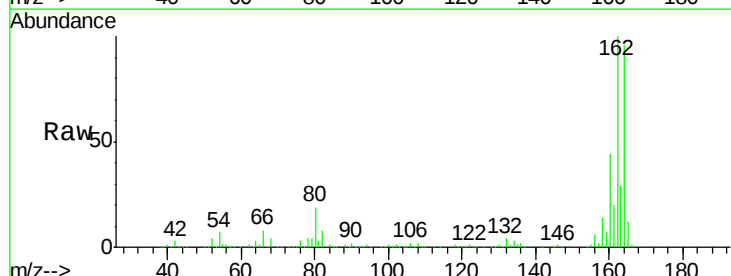
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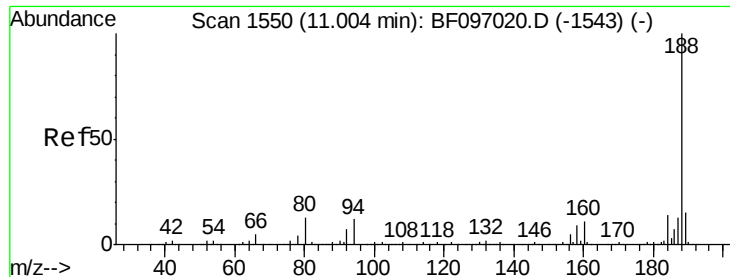
Tot Ion:163 Resp: 151536
Ion Ratio Lower Upper
163 100
194 3.3 2.6 4.0
164 9.4 8.4 12.6



#56
2,4-Dinitrotoluene
Concen: 6.79 ng
RT: 9.53 min Scan# 1299
Delta R.T. -0.21 min
Lab File: BF097043.D
Acq: 25 Jul 2017 21:49

Tgt Ion:165 Resp: 33498
Ion Ratio Lower Upper
165 100
63 1.8 25.4 38.0#
89 1.8 46.4 69.6#
182 0.0 1.8 2.6#

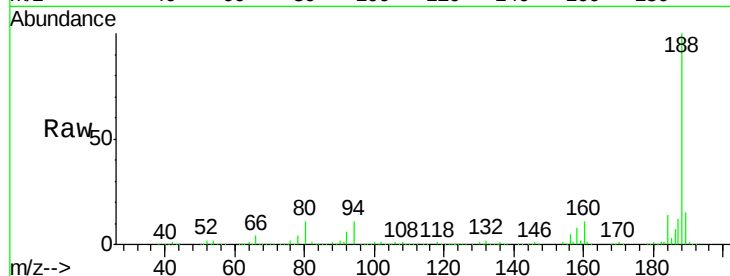




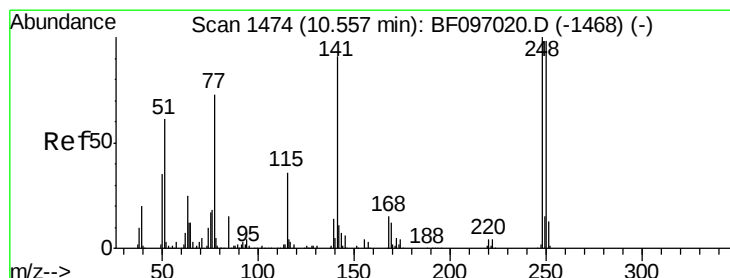
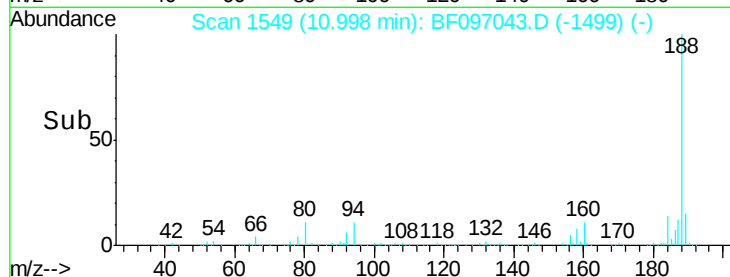
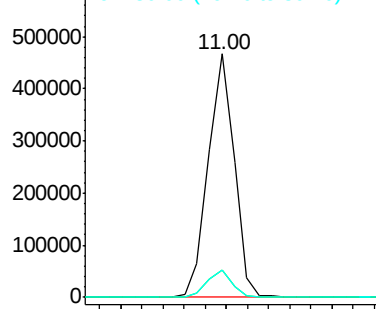
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.00 min Scan# 1549
Delta R.T. -0.01 min
Lab File: BF097043.D
Acq: 25 Jul 2017 21:49

Instrument :
BNA_F
ClientSampleId :
CEMETERY-8-(0-2)

Tot Ion:188 Resp: 396697
Ion Ratio Lower Upper
188 100
94 11.2 9.4 14.2
80 11.4 10.2 15.2

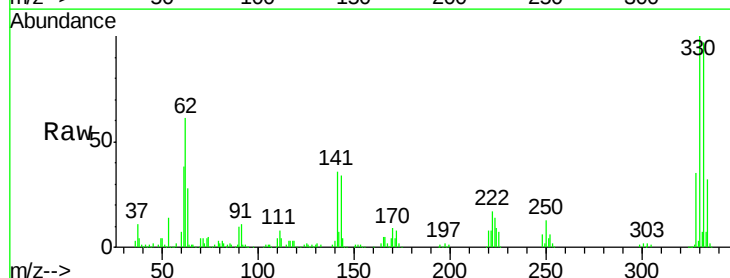


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

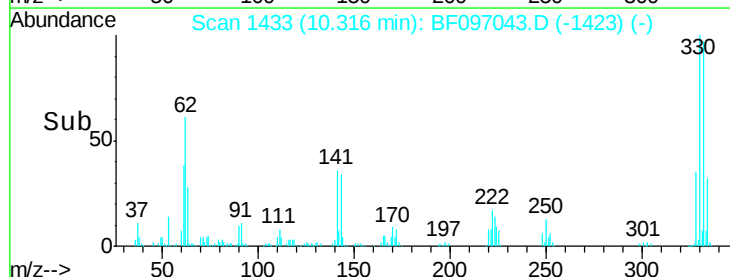
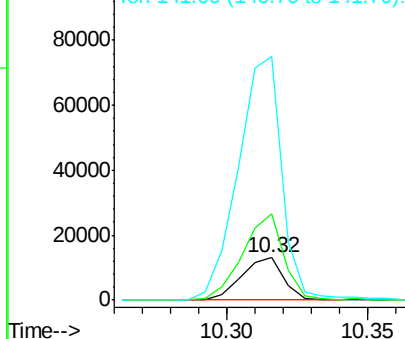


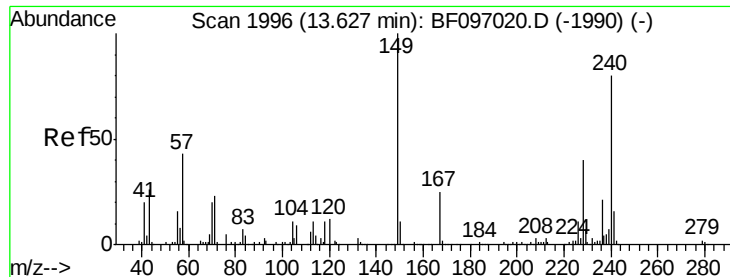
#66
4-Bromophenyl-phenylether
Concen: 3.35 ng
RT: 10.32 min Scan# 1433
Delta R.T. -0.24 min
Lab File: BF097043.D
Acq: 25 Jul 2017 21:49

Tgt Ion:248 Resp: 13266
Ion Ratio Lower Upper
248 100
250 201.9 76.8 115.2#
141 573.9 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: 13.62 min Scan# 1995

Delta R.T. -0.01 min

Lab File: BF097043.D

Acq: 25 Jul 2017 21:49

Instrument :

BNA_F

ClientSampleId :

CEMETERY-8-(0-2)

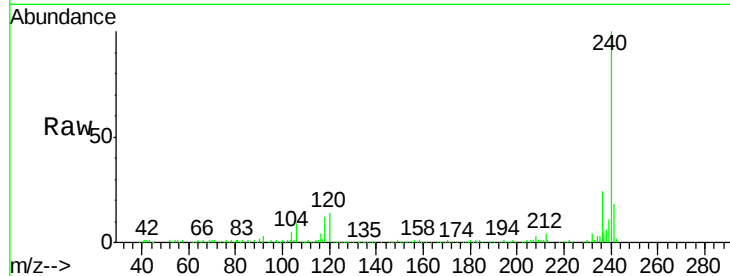
Tot Ion:240 Resp: 305558

Ion Ratio Lower Upper

240 100

120 14.2 5.8 8.8#

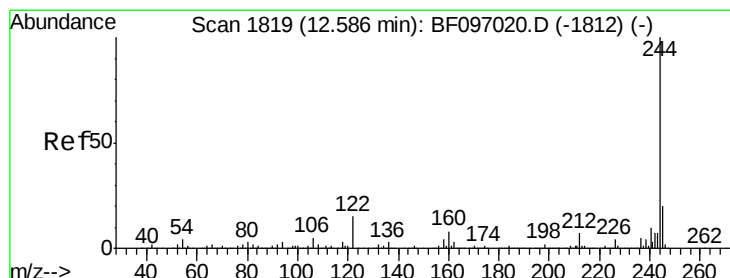
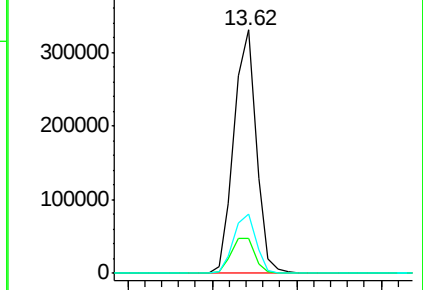
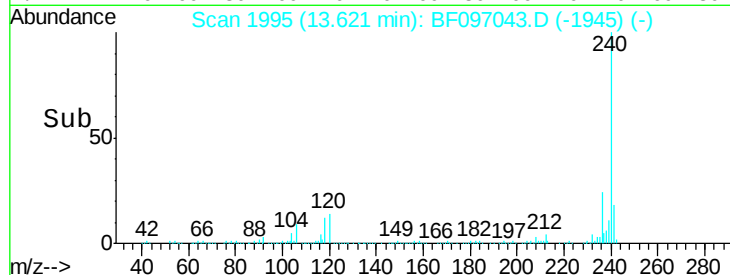
236 24.5 20.5 30.7



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: 55.94 ng

RT: 12.59 min Scan# 1819

Delta R.T. -0.00 min

Lab File: BF097043.D

Acq: 25 Jul 2017 21:49

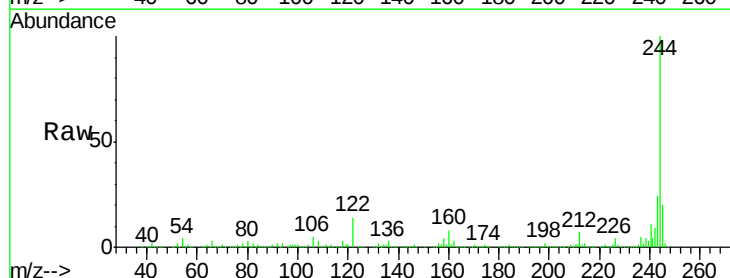
Tgt Ion:244 Resp: 838336

Ion Ratio Lower Upper

244 100

212 6.9 6.0 9.0

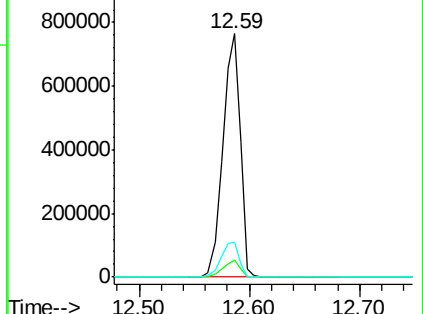
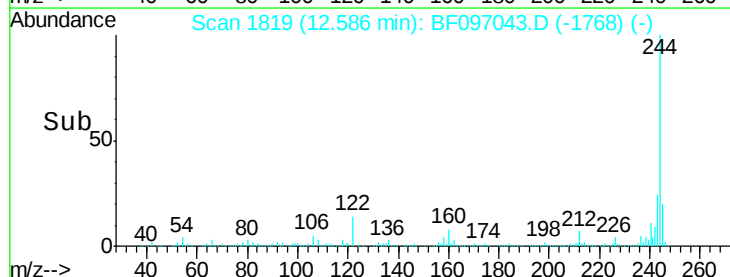
122 14.4 10.3 15.5

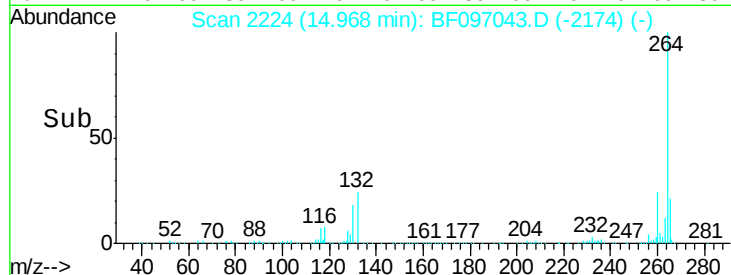
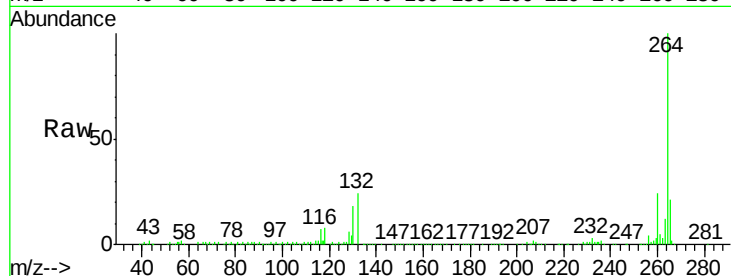
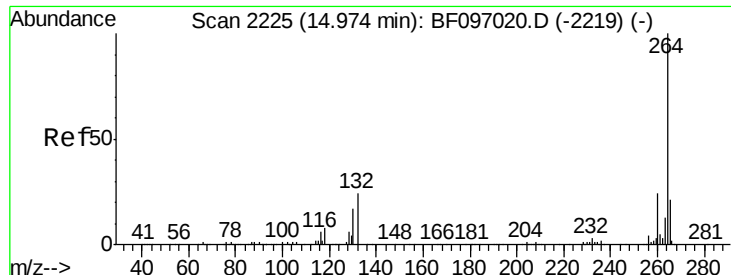


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#86
 Pervlene-d12
 Concen: 20.00 ng
 RT: 14.97 min Scan# 2224
 Delta R.T. -0.01 min
 Lab File: BF097043.D
 Acq: 25 Jul 2017 21:49

Instrument :
 BNA_F
 ClientSampleId :
 CEMETERY-8-(0-2)

Tot Ion:	264	Resp:	220669
Ion	Ratio	Lower	Upper
264	100		
260	24.3	19.5	29.3
265	21.2	17.2	25.8

