

Data Path : Z:\HPCHEM1\BNA F\DATA\BF072417\
 Data File : BF097015.D
 Acq On : 25 Jul 2017 5:07
 Operator : SJ/JU
 Sample : I4360-05
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 CEMETERY-13-(0-2)

Quant Time: Jul 25 05:54:11 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

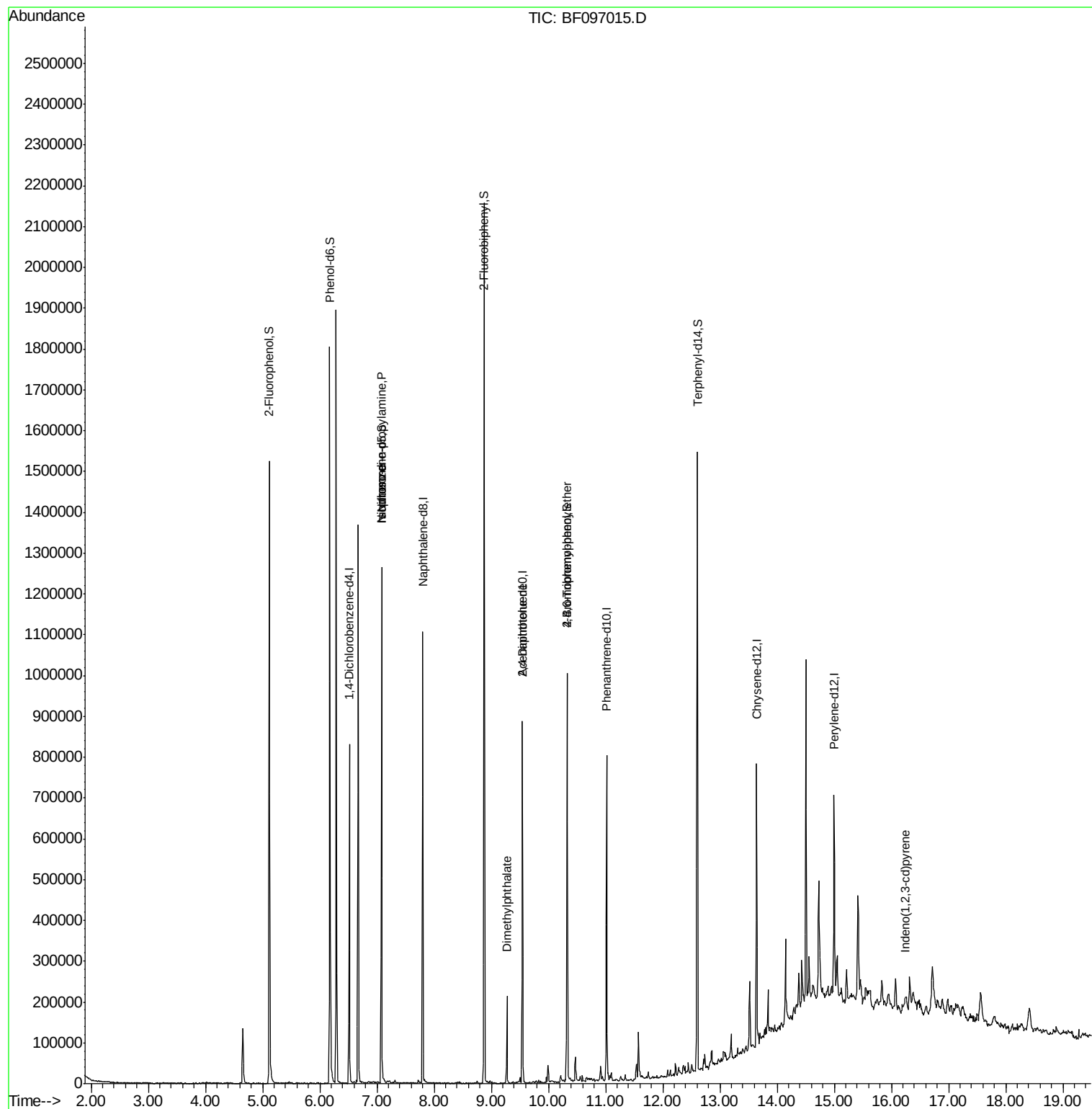
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.52	152	115083	20.00	ng	-0.02
21) Naphthalene-d8	7.80	136	463269	20.00	ng	-0.03
38) Acenaphthene-d10	9.55	164	177349	20.00	ng	-0.03
63) Phenanthrene-d10	11.02	188	267457	20.00	ng	-0.04
75) Chrysene-d12	13.64	240	239969	20.00	ng	-0.04
86) Perylene-d12	15.00	264	189166	20.00	ng	-0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.12	112	436675	57.05	ng	-0.04
7) Phenol-d6	6.17	99	616937	67.17	ng	-0.04
23) Nitrobenzene-d5	7.08	82	347341	46.44	ng	-0.04
41) 2,4,6-Tribromophenol	10.33	330	98428	65.02	ng	-0.04
44) 2-Fluorobiphenyl	8.87	172	639740	56.99	ng	-0.04
78) Terphenyl-d14	12.60	244	435594	31.48	ng	-0.03
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.08	70	45955	8.30	ng	# 84
25) Isophorone	7.08	82	347335	24.96	ng	# 67
49) Dimethylphthalate	9.27	163	84188	6.30	ng	# 98
56) 2,4-Dinitrotoluene	9.55	165	22435	6.04	ng	# 32
66) 4-Bromophenyl-phenylether	10.33	248	6030	2.21	ng	# 1
85) Indeno(1,2,3-cd)pyrene	16.24	276	3519	3.58	ng	# 80

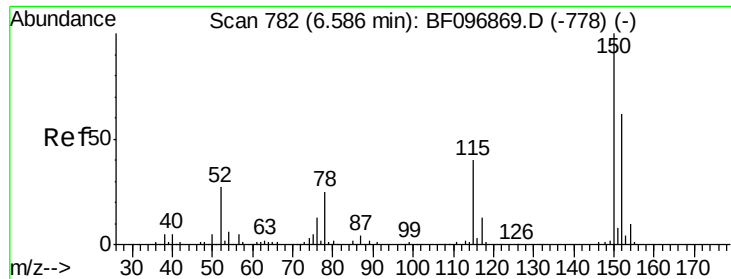
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Instrument :
BNA_F
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CEMETERY-13-(0-2)

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Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.52 min Scan# 787

Delta R.T. -0.02 min

Lab File: BF097015.D

Acq: 25 Jul 2017 5:07

Instrument :

BNA_F

ClientSampleId :

CEMETERY-13-(0-2)

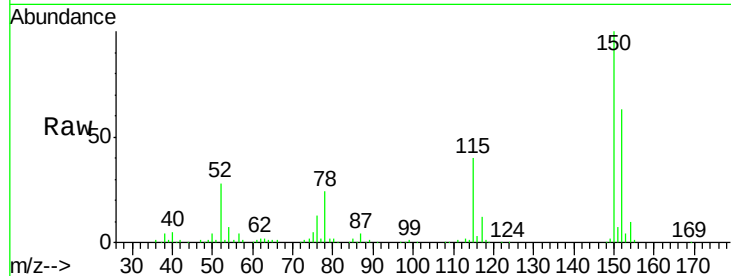
Tot Ion:152 Resp: 115083

Ion Ratio Lower Upper

152 100

150 159.4 126.2 189.2

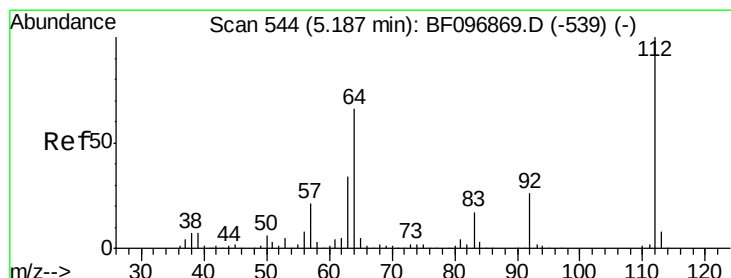
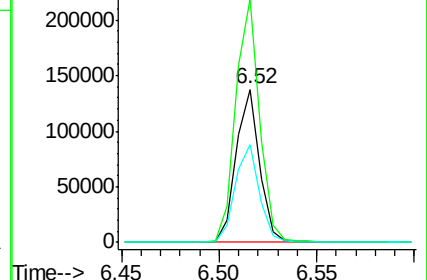
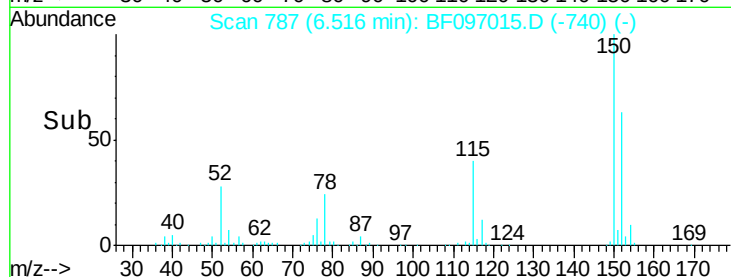
115 63.7 52.2 78.2



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: 57.05 ng

RT: 5.12 min Scan# 549

Delta R.T. -0.04 min

Lab File: BF097015.D

Acq: 25 Jul 2017 5:07

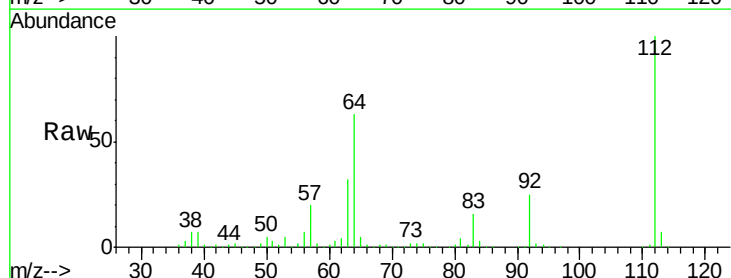
Tgt Ion:112 Resp: 436675

Ion Ratio Lower Upper

112 100

64 63.4 46.0 69.0

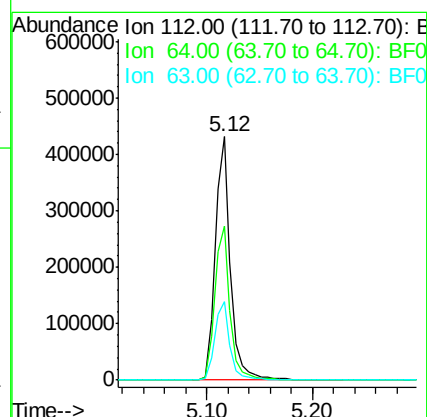
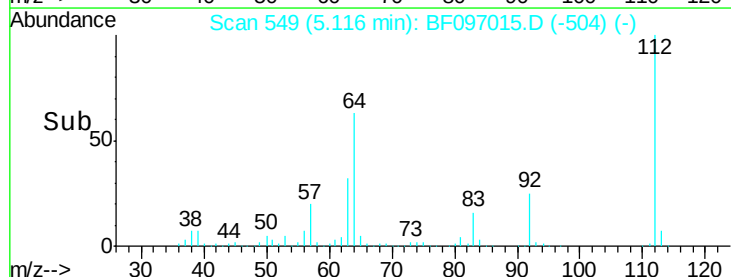
63 32.3 23.4 35.0

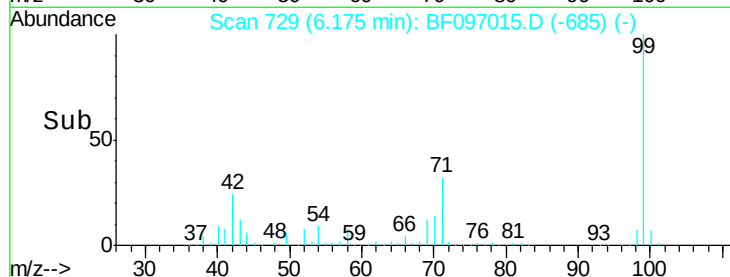
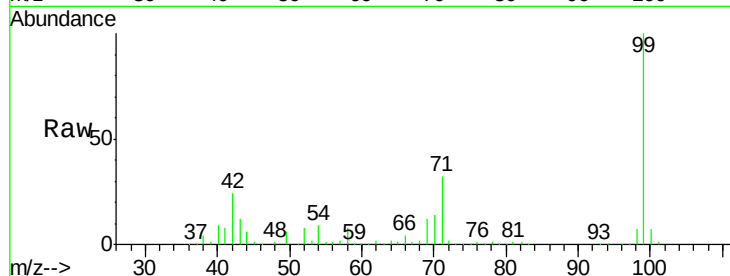
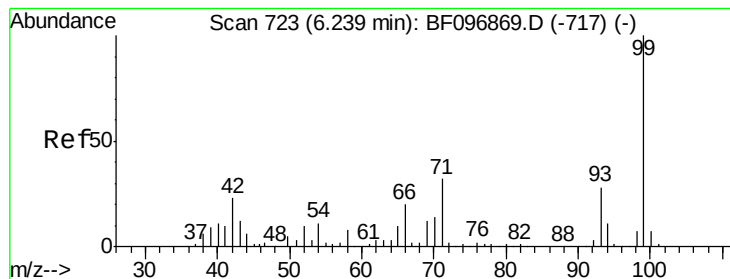


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 67.17 ng

RT: 6.17 min Scan# 729

Delta R.T. -0.04 min

Lab File: BF097015.D

Acq: 25 Jul 2017 5:07

Instrument :

BNA_F

ClientSampleId :

CEMETERY-13-(0-2)

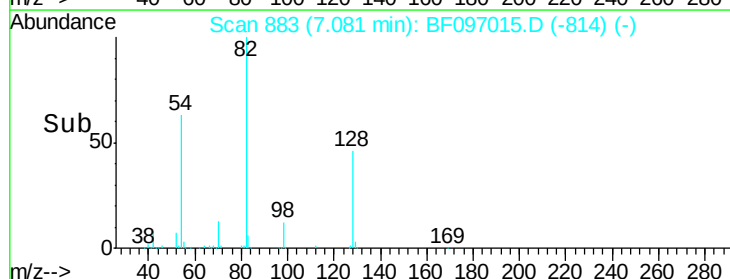
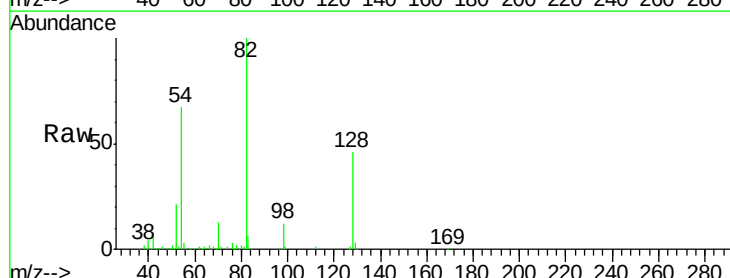
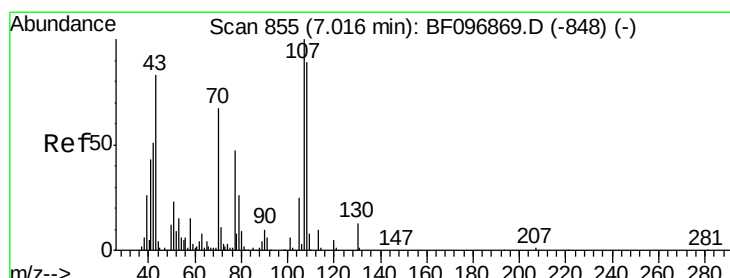
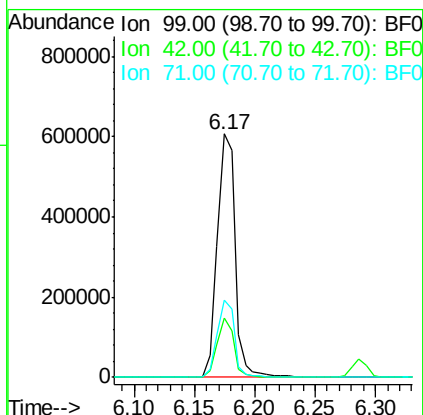
Tot Ion: 99 Resp: 616937

Ion Ratio Lower Upper

99 100

42 24.1 13.5 20.3#

71 31.9 24.5 36.7



#19

n-Nitroso-di-n-propylamine

Concen: 8.30 ng

RT: 7.08 min Scan# 883

Delta R.T. 0.11 min

Lab File: BF097015.D

Acq: 25 Jul 2017 5:07

Tgt Ion: 70 Resp: 45955

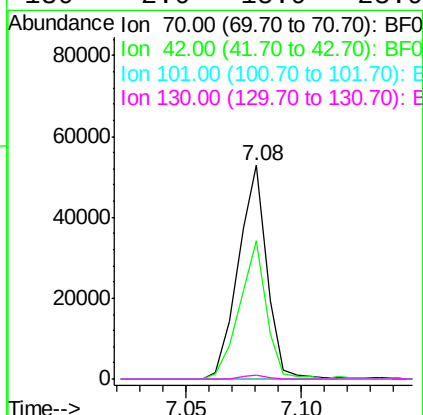
Ion Ratio Lower Upper

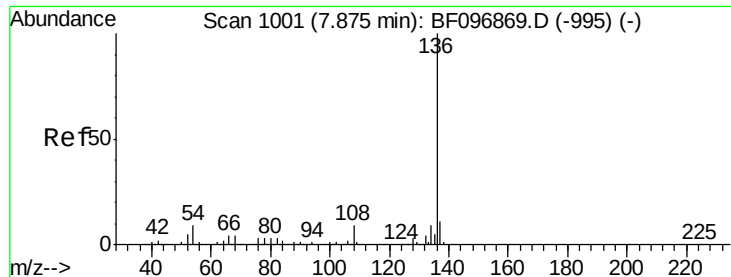
70 100

42 64.5 47.2 70.8

101 0.0 7.2 10.8#

130 2.0 15.9 23.9#

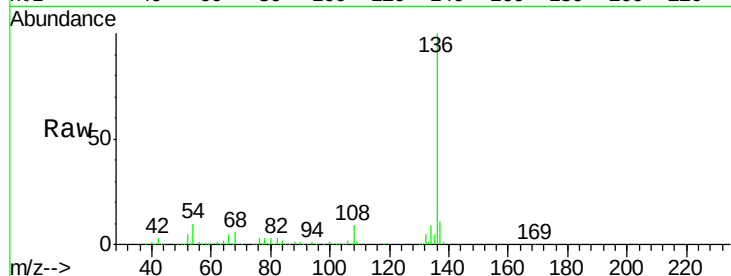




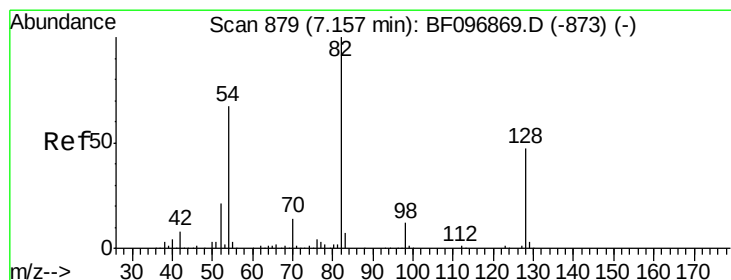
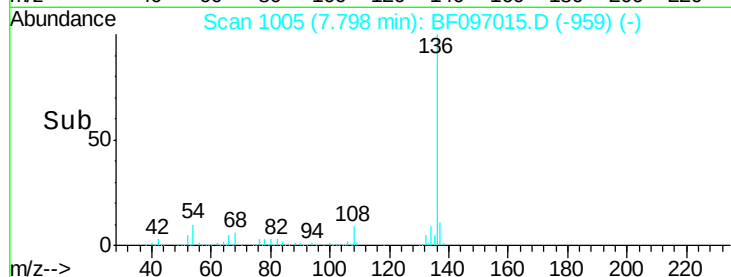
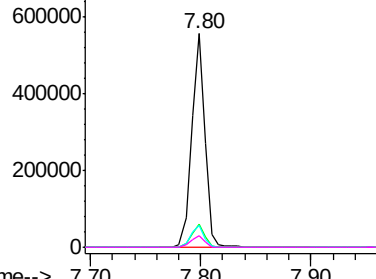
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.80 min Scan# 1005
Delta R.T. -0.03 min
Lab File: BF097015.D
Acq: 25 Jul 2017 5:07

Instrument :
BNA_F
ClientSampleId :
CEMETERY-13-(0-2)

Tot Ion:136	Resp:	463269
Ion Ratio	Lower	Upper
136	100	
137	10.8	8.5 12.7
54	10.4	4.9 7.3#
68	5.7	4.1 6.1

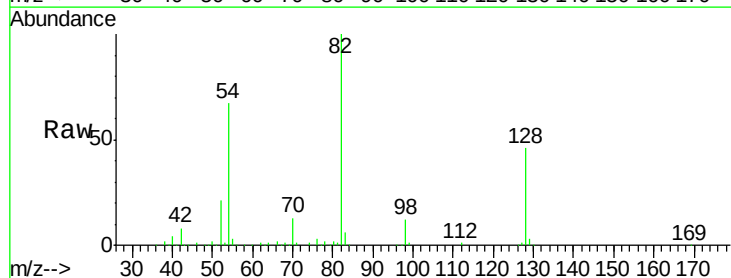


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0

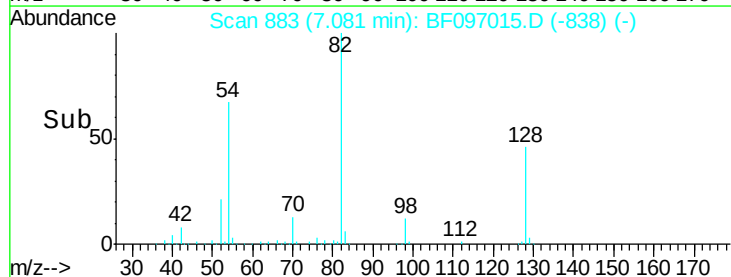
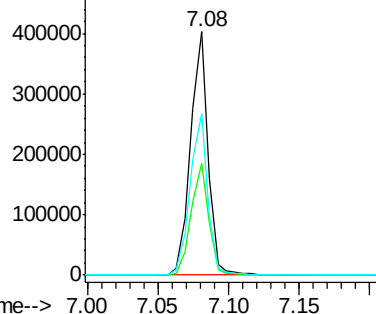


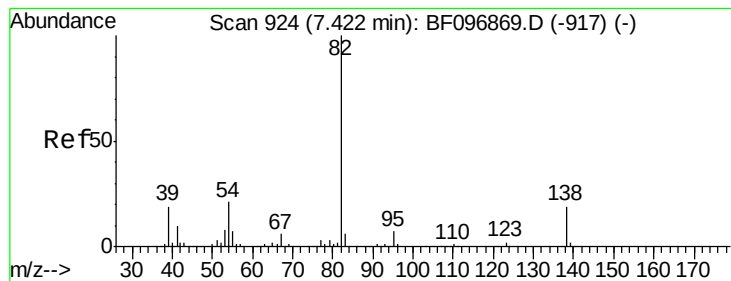
#23
Nitrobenzene-d5
Concen: 46.44 ng
RT: 7.08 min Scan# 883
Delta R.T. -0.04 min
Lab File: BF097015.D
Acq: 25 Jul 2017 5:07

Tgt Ion: 82	Resp:	347341
Ion Ratio	Lower	Upper
82	100	
128	45.8	34.0 51.0
54	66.7	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: 24.96 ng

RT: 7.08 min Scan# 883

Delta R.T. -0.29 min

Lab File: BF097015.D

Acq: 25 Jul 2017 5:07

Instrument :

BNA_F

ClientSampleId :

CEMETERY-13-(0-2)

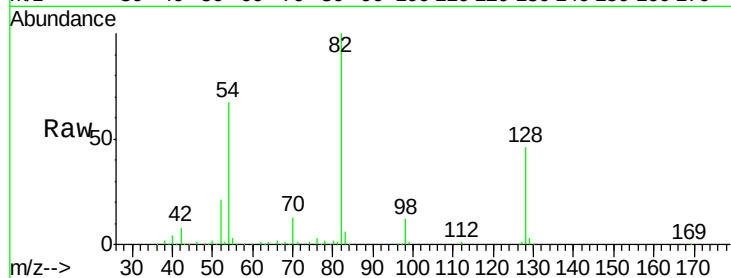
Tot Ion: 82 Resp: 347335

Ion Ratio Lower Upper

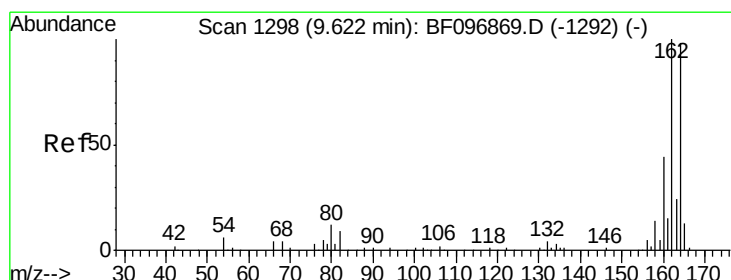
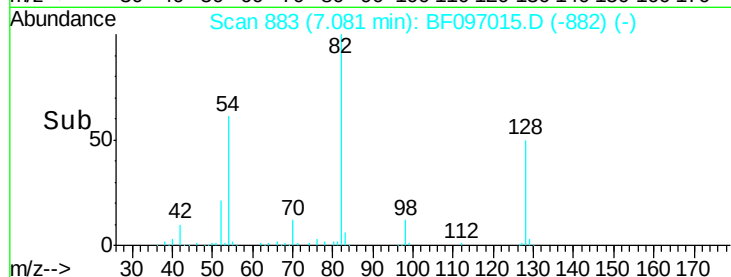
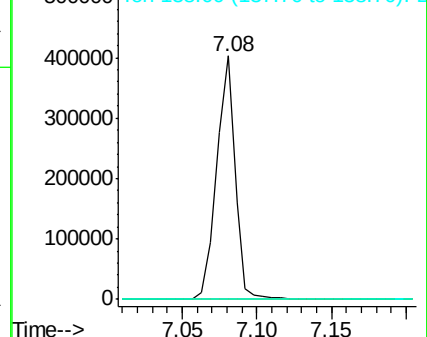
82 100

95 0.0 5.3 7.9#

138 0.0 13.1 19.7#



Abundance Ion 82.00 (81.70 to 82.70): 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: 9.55 min Scan# 1302

Delta R.T. -0.03 min

Lab File: BF097015.D

Acq: 25 Jul 2017 5:07

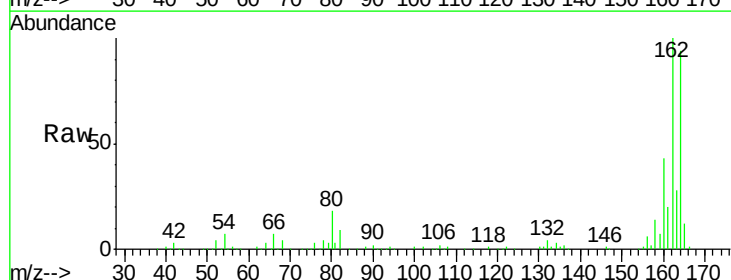
Tgt Ion: 164 Resp: 177349

Ion Ratio Lower Upper

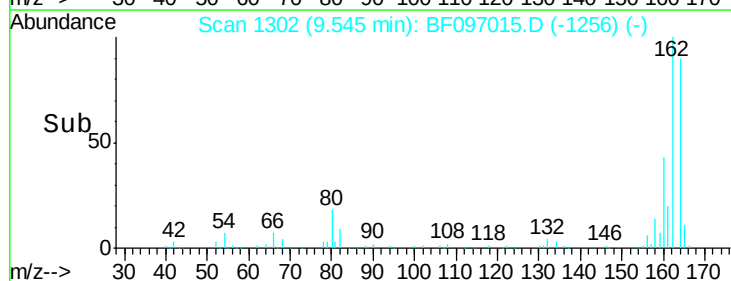
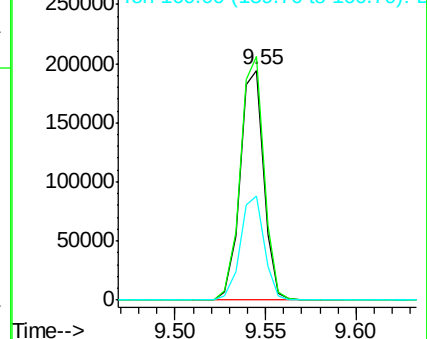
164 100

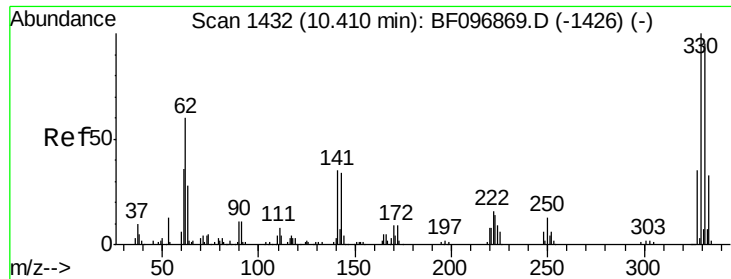
162 105.9 82.6 123.8

160 45.5 36.2 54.2



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

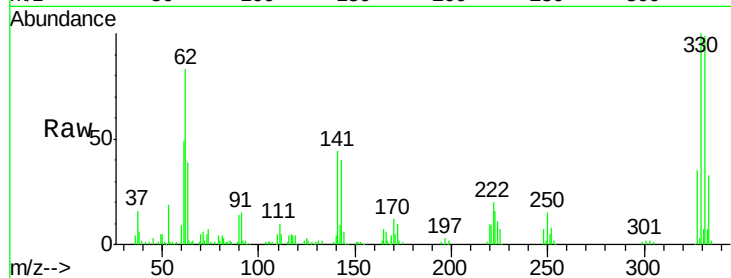




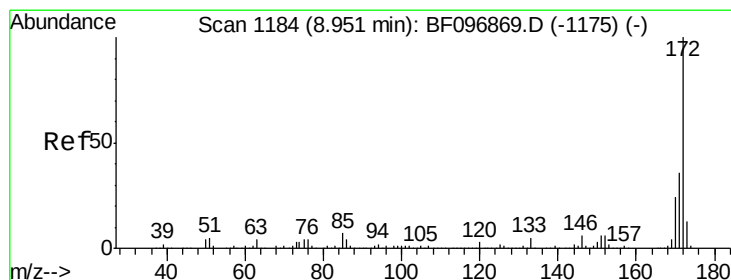
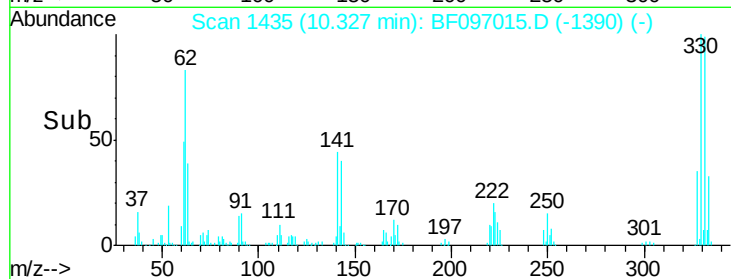
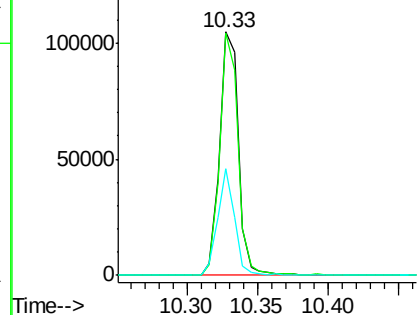
#41
 2,4,6-Tribromophenol
 Concen: 65.02 ng
 RT: 10.33 min Scan# 1435
 Delta R.T. -0.04 min
 Lab File: BF097015.D
 Acq: 25 Jul 2017 5:07

Instrument :
 BNA_F
 ClientSampleId :
 CEMETERY-13-(0-2)

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.0	76.6	115.0
141	38.9	31.4	47.2

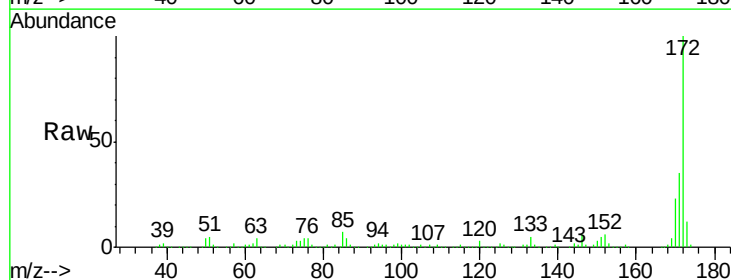


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

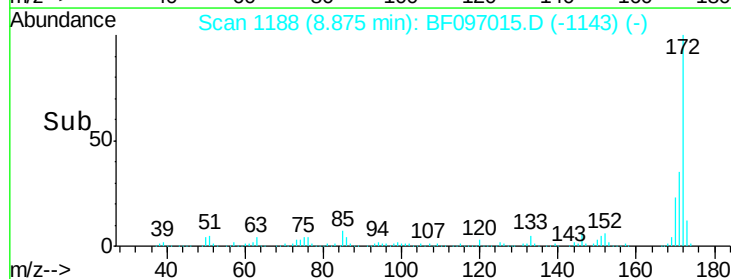
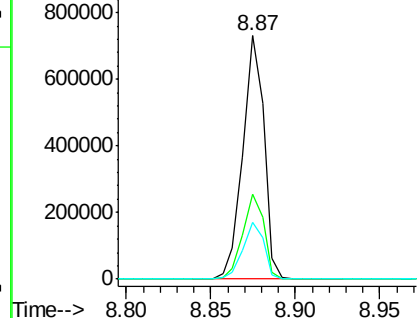


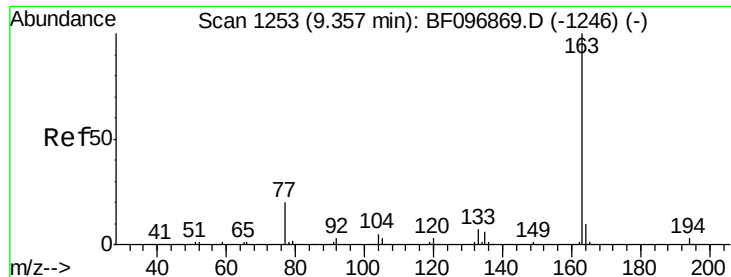
#44
 2-Fluorobiphenyl
 Concen: 56.99 ng
 RT: 8.87 min Scan# 1188
 Delta R.T. -0.04 min
 Lab File: BF097015.D
 Acq: 25 Jul 2017 5:07

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.1	29.6	44.4
170	23.2	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: 6.30 ng

RT: 9.27 min Scan# 1256

Delta R.T. -0.04 min

Lab File: BF097015.D

Acq: 25 Jul 2017 5:07

Instrument :

BNA_F

ClientSampleId :

CEMETERY-13-(0-2)

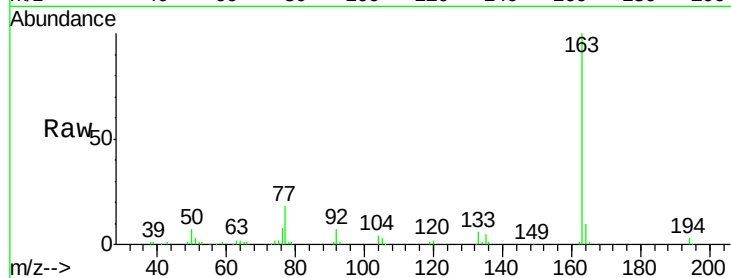
Tot Ion:163 Resp: 84188

Ion Ratio Lower Upper

163 100

194 3.2 2.6 4.0

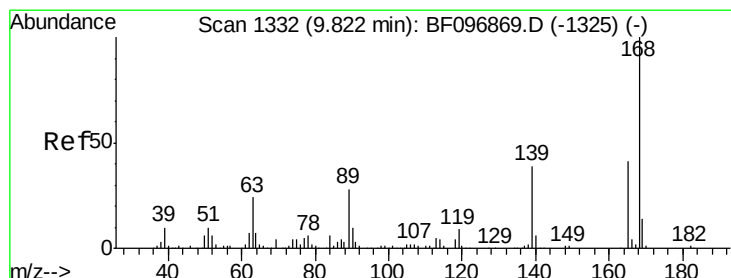
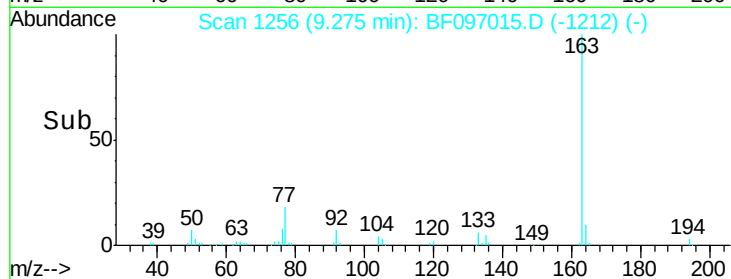
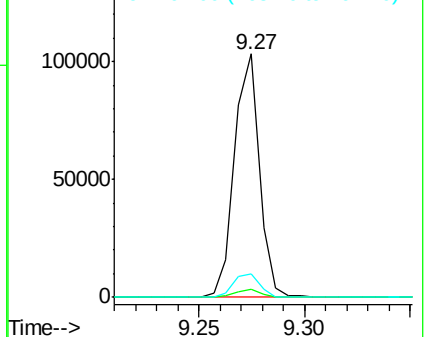
164 9.6 8.4 12.6



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: 6.04 ng

RT: 9.55 min Scan# 1302

Delta R.T. -0.23 min

Lab File: BF097015.D

Acq: 25 Jul 2017 5:07

Tgt Ion:165 Resp: 22435

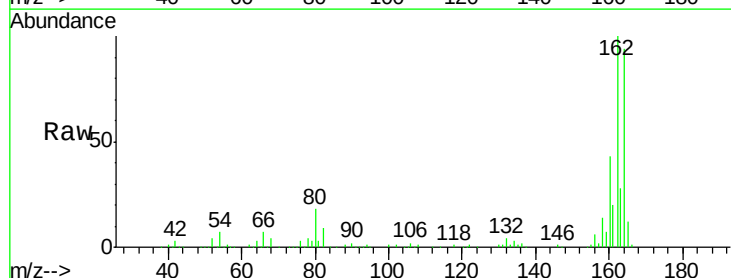
Ion Ratio Lower Upper

165 100

63 1.5 25.4 38.0#

89 0.0 46.4 69.6#

182 0.0 1.8 2.6#

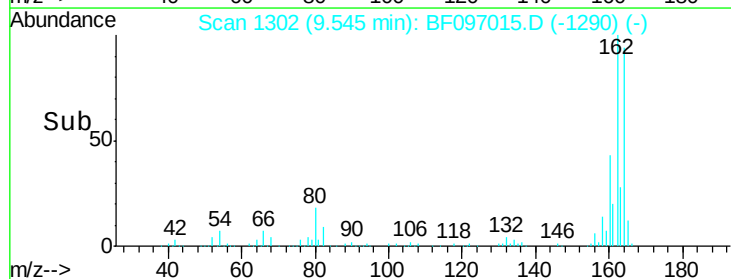
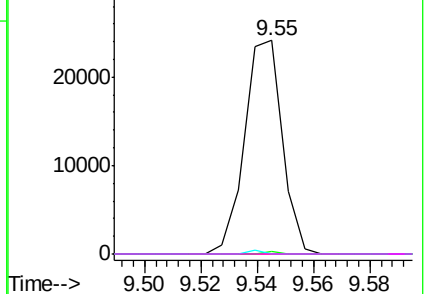


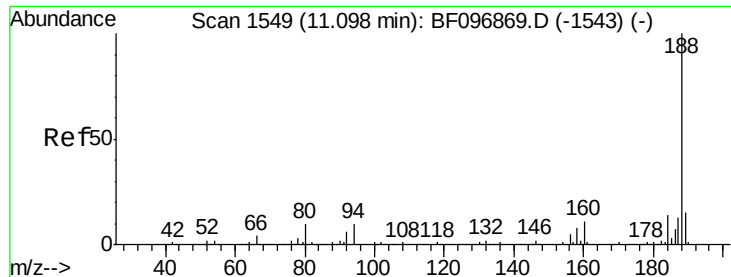
Abundance Ion 165.00 (164.70 to 165.70): E

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

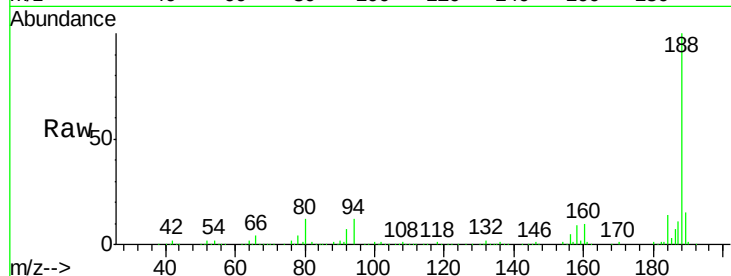




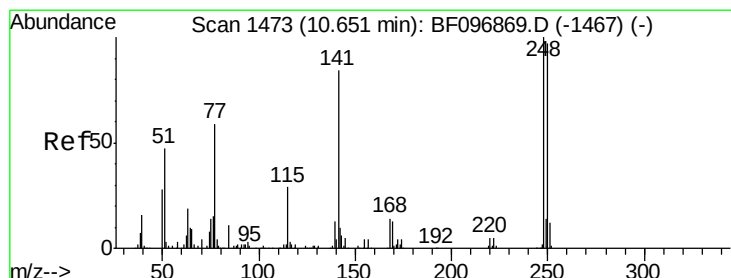
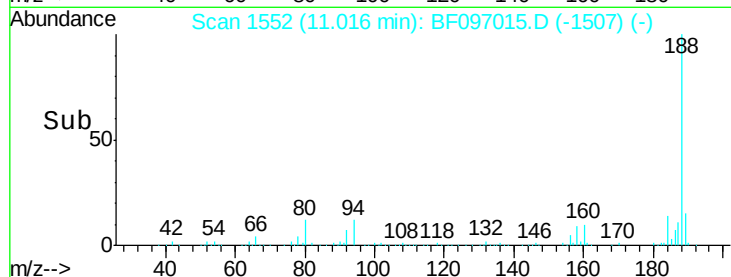
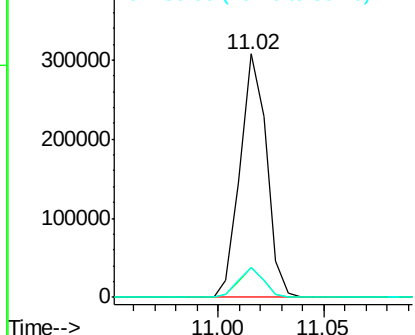
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.02 min Scan# 1552
Delta R.T. -0.04 min
Lab File: BF097015.D
Acq: 25 Jul 2017 5:07

Instrument :
BNA_F
ClientSampleId :
CEMETERY-13-(0-2)

Tot Ion:188 Resp: 267457
Ion Ratio Lower Upper
188 100
94 12.1 9.4 14.2
80 12.5 10.2 15.2

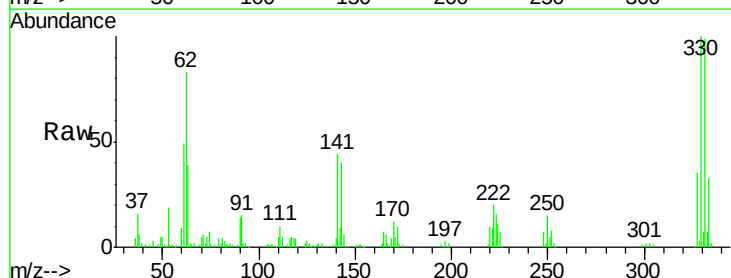


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

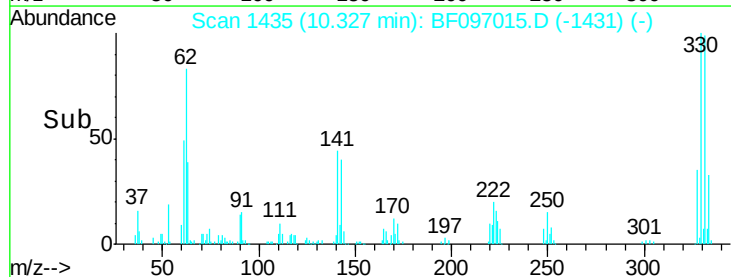
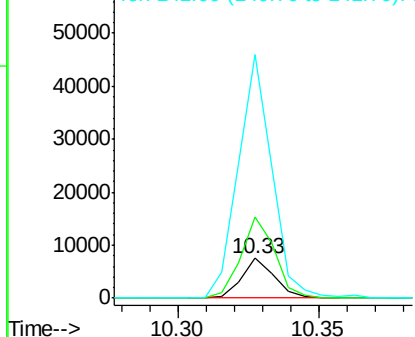


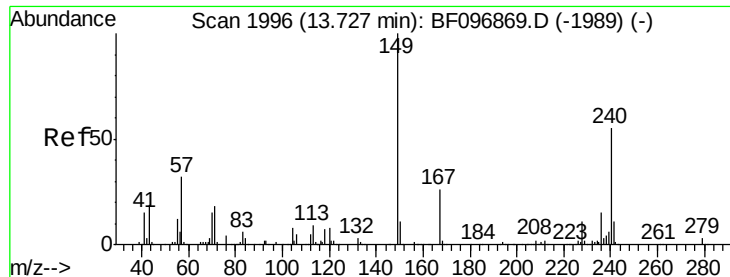
#66
4-Bromophenyl-phenylether
Concen: 2.21 ng
RT: 10.33 min Scan# 1435
Delta R.T. -0.28 min
Lab File: BF097015.D
Acq: 25 Jul 2017 5:07

Tgt Ion:248 Resp: 6030
Ion Ratio Lower Upper
248 100
250 203.0 76.8 115.2#
141 607.9 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: 13.64 min Scan# 1999

Delta R.T. -0.04 min

Lab File: BF097015.D

Acq: 25 Jul 2017 5:07

Instrument :

BNA_F

ClientSampleId :

CEMETERY-13-(0-2)

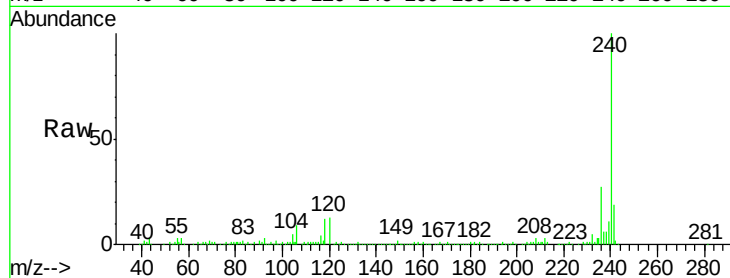
Tot Ion:240 Resp: 239969

Ion Ratio Lower Upper

240 100

120 12.7 5.8 8.8#

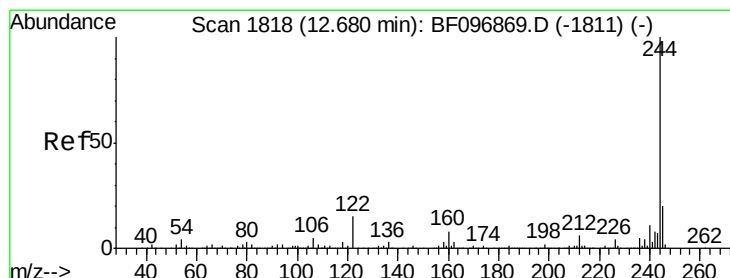
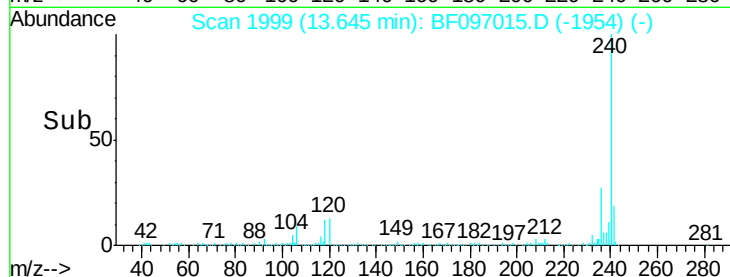
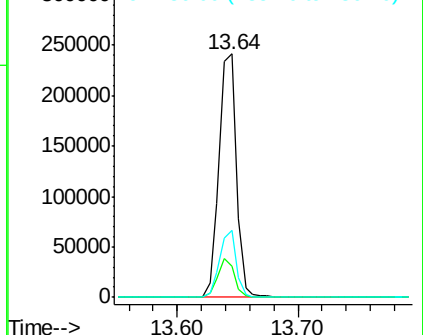
236 27.5 20.5 30.7



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: 31.48 ng

RT: 12.60 min Scan# 1822

Delta R.T. -0.03 min

Lab File: BF097015.D

Acq: 25 Jul 2017 5:07

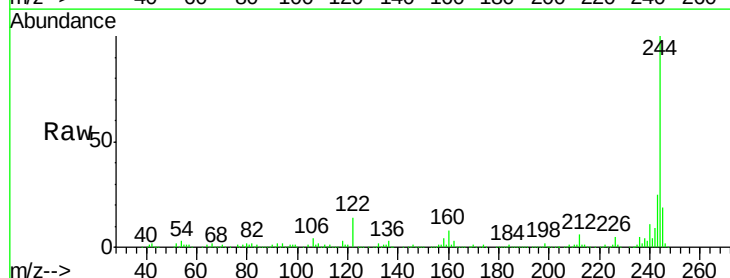
Tgt Ion:244 Resp: 435594

Ion Ratio Lower Upper

244 100

212 6.3 6.0 9.0

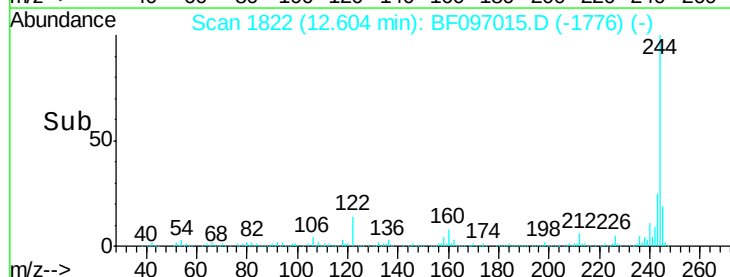
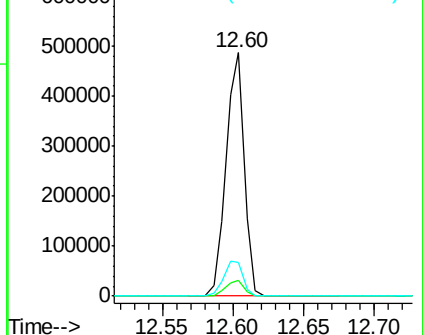
122 13.7 10.3 15.5

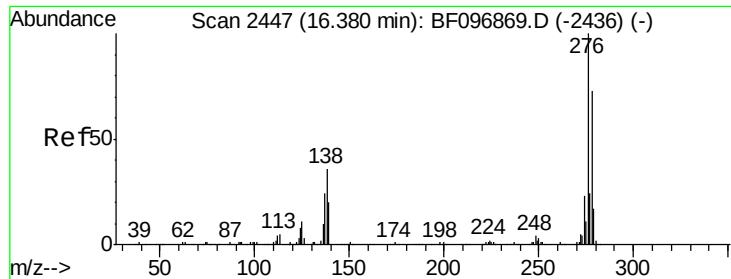


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

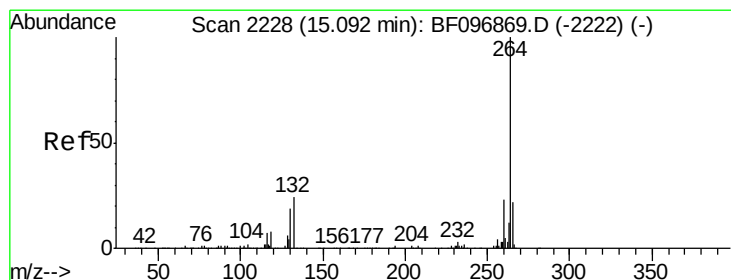
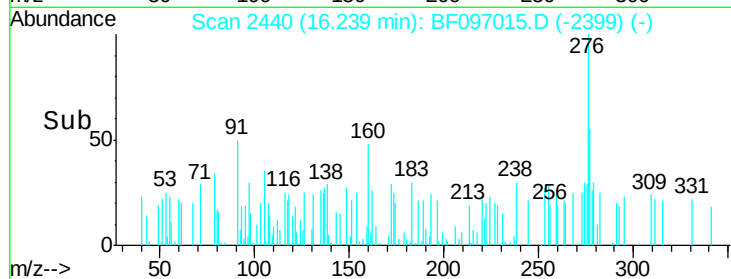
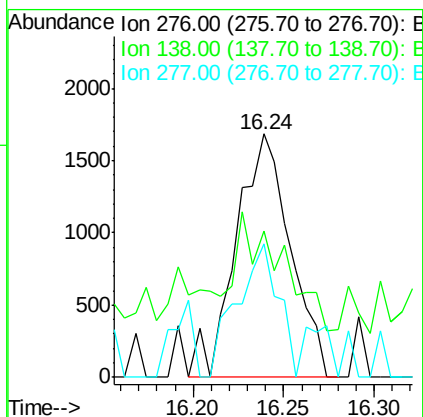
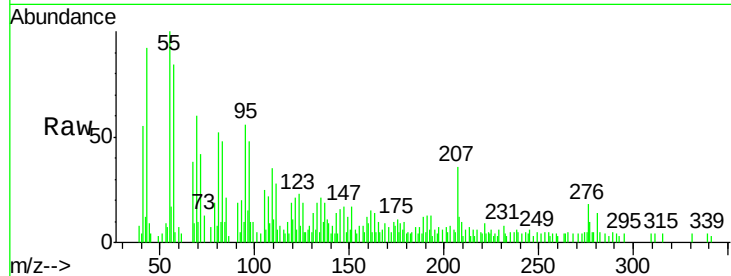




#85
 Indeno(1,2,3-cd)pyrene
 Concen: 3.58 ng
 RT: 16.24 min Scan# 2440
 Delta R.T. -0.06 min
 Lab File: BF097015.D
 Acq: 25 Jul 2017 5:07

Instrument :
 BNA_F
 ClientSampleId :
 CEMETERY-13-(0-2)

Tot Ion:276 Resp: 3519
 Ion Ratio Lower Upper
 276 100
 138 41.0 27.8 41.6
 277 42.0 20.2 30.4#



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.00 min Scan# 2229
 Delta R.T. -0.04 min
 Lab File: BF097015.D
 Acq: 25 Jul 2017 5:07

Tgt Ion:264 Resp: 189166
 Ion Ratio Lower Upper
 264 100
 260 24.2 19.5 29.3
 265 22.3 17.2 25.8

