

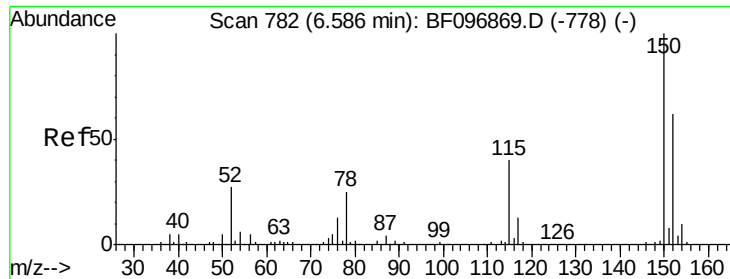
Data Path : Z:\HPCHEM1\BNA F\DATA\BF072417\
 Data File : BF097013.D
 Acq On : 25 Jul 2017 4:12
 Operator : SJ/JU
 Sample : I4360-03
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 CEMETERY-12-(0-2)

Quant Time: Jul 25 05:53:40 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	133145	20.00	ng	-0.02
21) Naphthalene-d8	7.80	136	519568	20.00	ng	-0.03
38) Acenaphthene-d10	9.54	164	187748	20.00	ng	-0.04
63) Phenanthrene-d10	11.02	188	268213	20.00	ng	-0.04
75) Chrysene-d12	13.64	240	251692	20.00	ng	-0.04
86) Perylene-d12	15.00	264	195447	20.00	ng	-0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.12	112	764886	86.38	ng	-0.03
7) Phenol-d6	6.18	99	926792	87.22	ng	-0.04
23) Nitrobenzene-d5	7.08	82	554925	66.16	ng	-0.04
41) 2,4,6-Tribromophenol	10.33	330	129839	81.02	ng	-0.04
44) 2-Fluorobiphenyl	8.87	172	855453	71.99	ng	-0.04
78) Terphenyl-d14	12.60	244	533851	36.78	ng	-0.03
Target Compounds						
10) Phenol	6.19	94	31324	2.61	ng	Qvalue 95
19) n-Nitroso-di-n-propylamine	7.08	70	73057	11.41	ng	# 83
25) Isophorone	7.08	82	551787	35.36	ng	# 67
49) Dimethylphthalate	9.27	163	87606	6.20	ng	98
56) 2,4-Dinitrotoluene	9.54	165	23509	5.97	ng	# 32
66) 4-Bromophenyl-phenylether	10.33	248	8829	3.22	ng	# 1
85) Indeno(1,2,3-cd)pyrene	16.11	276	1643	3.44	ng	94

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

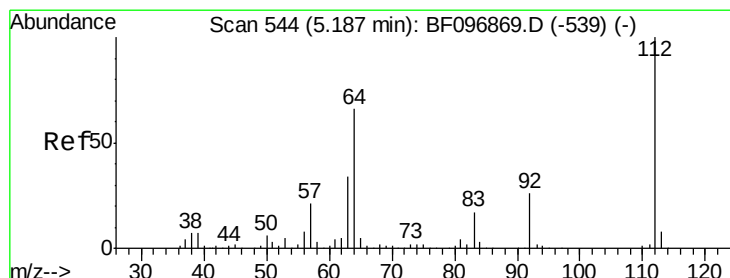
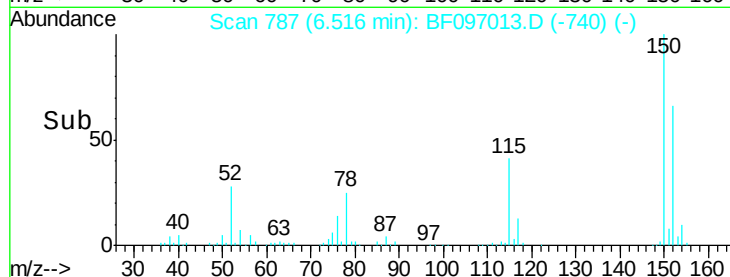
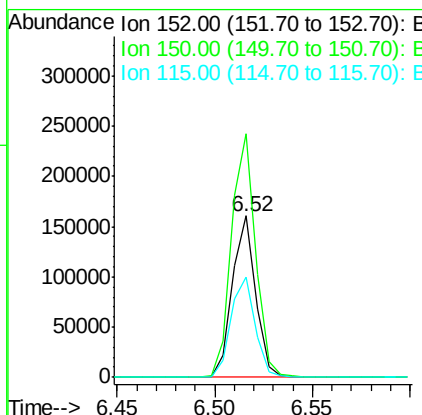
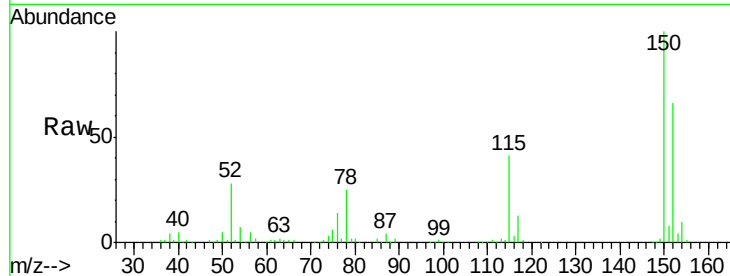


#1

1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.52 min Scan# 787
Delta R.T. -0.02 min
Lab File: BF097013.D
Acq: 25 Jul 2017 4:12

Instrument :
BNA_F
ClientSampleId :
CEMETERY-12-(0-2)

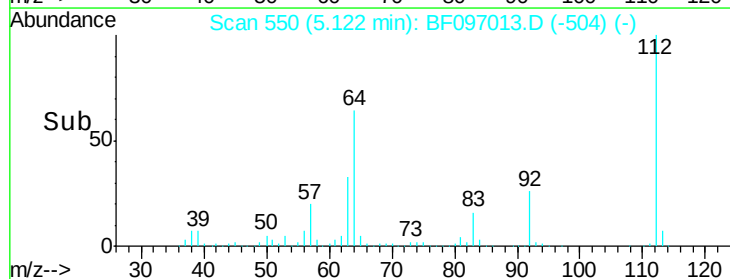
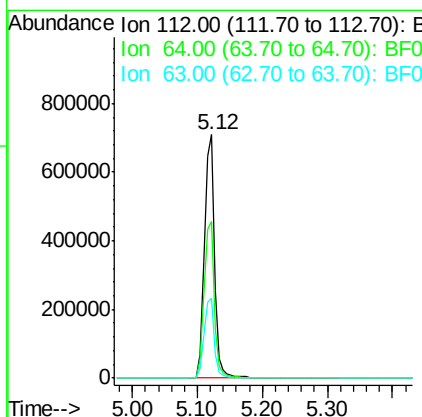
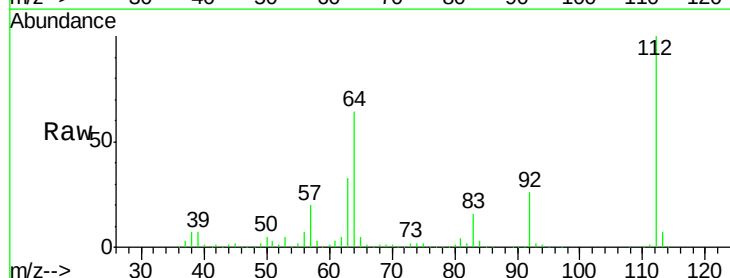
Tot Ion:152 Resp: 133145
Ion Ratio Lower Upper
152 100
150 151.1 126.2 189.2
115 62.6 52.2 78.2

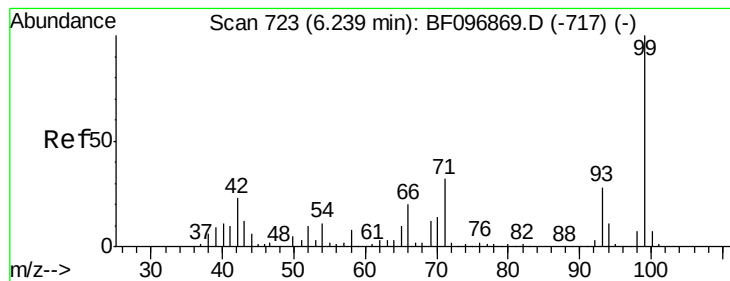


#5

2-Fluorophenol
Concen: 86.38 ng
RT: 5.12 min Scan# 550
Delta R.T. -0.03 min
Lab File: BF097013.D
Acq: 25 Jul 2017 4:12

Tgt Ion:112 Resp: 764886
Ion Ratio Lower Upper
112 100
64 64.4 46.0 69.0
63 32.8 23.4 35.0





#7

Phenol-d6

Concen: 87.22 ng

RT: 6.18 min Scan# 730

Delta R.T. -0.04 min

Lab File: BF097013.D

Acq: 25 Jul 2017 4:12

Instrument :

BNA_F

ClientSampleId :

CEMETERY-12-(0-2)

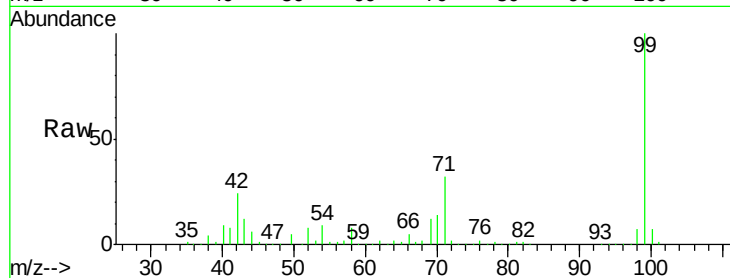
Tot Ion: 99 Resp: 926792

Ion Ratio Lower Upper

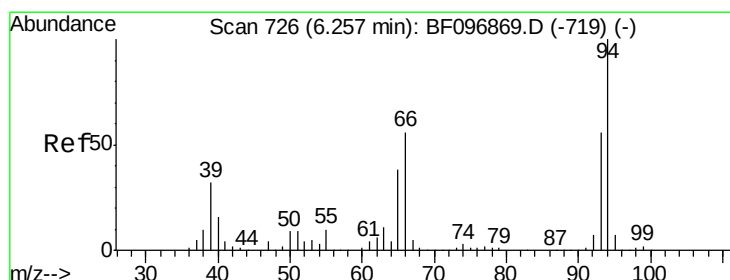
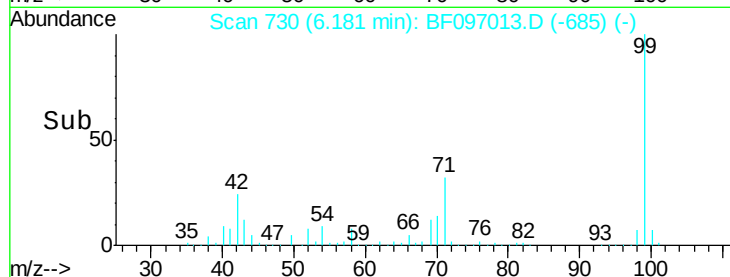
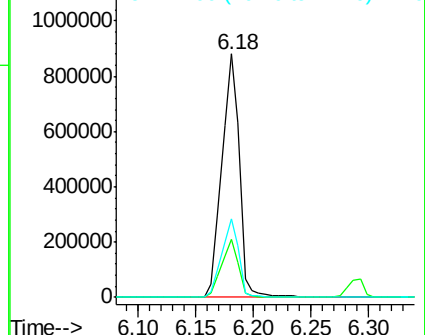
99 100

42 23.8 13.5 20.3#

71 32.4 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: 2.61 ng

RT: 6.19 min Scan# 732

Delta R.T. -0.04 min

Lab File: BF097013.D

Acq: 25 Jul 2017 4:12

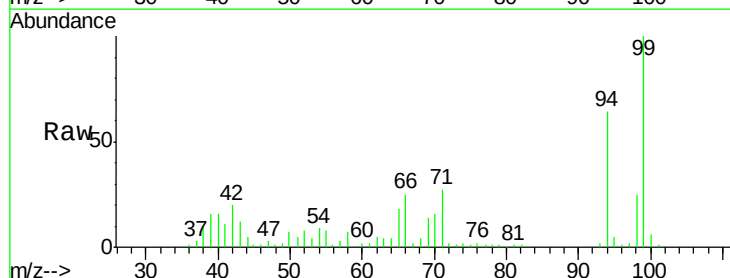
Tgt Ion: 94 Resp: 31324

Ion Ratio Lower Upper

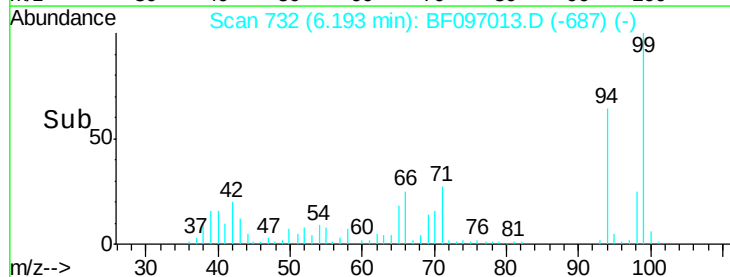
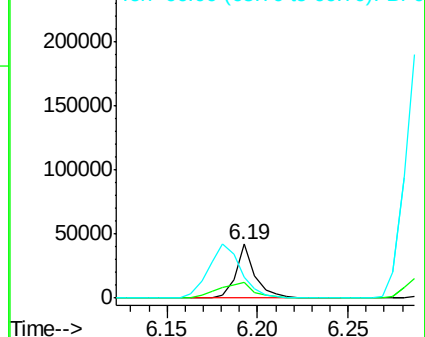
94 100

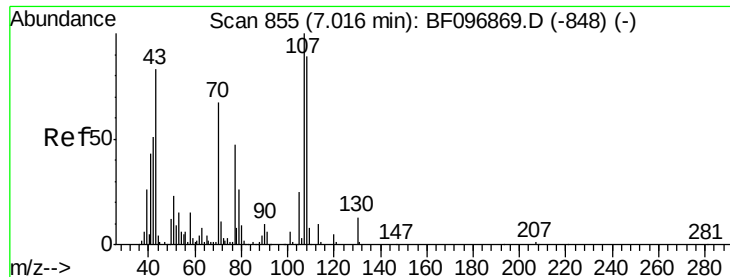
65 28.5 9.9 49.9

66 38.9 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

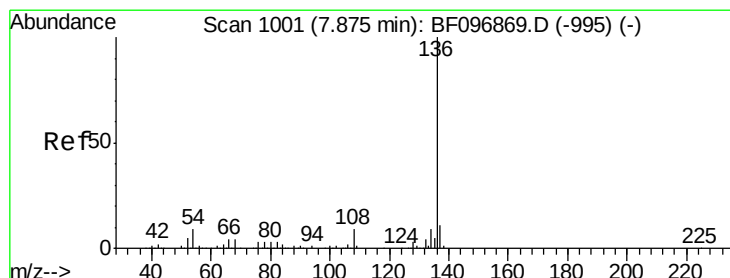
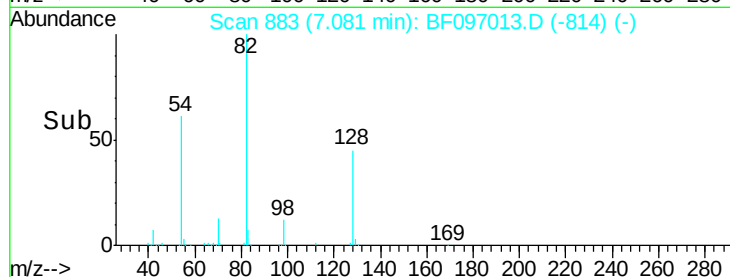
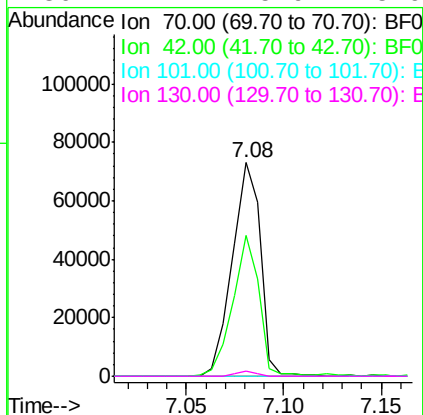
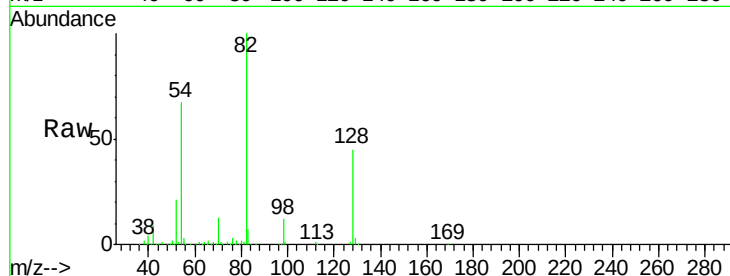




#19
n-Nitroso-di-n-propylamine
Concen: 11.41 ng
RT: 7.08 min Scan# 883
Delta R.T. 0.11 min
Lab File: BF097013.D
Acq: 25 Jul 2017 4:12

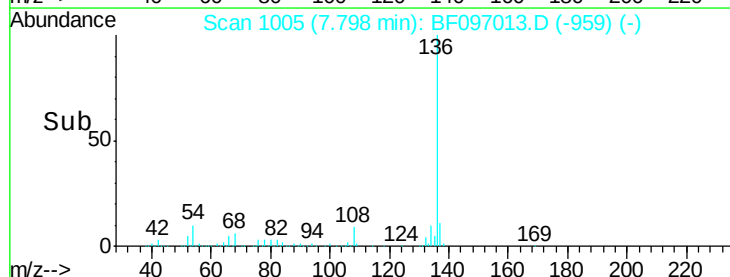
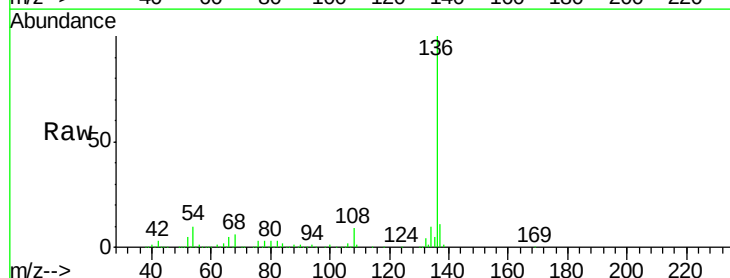
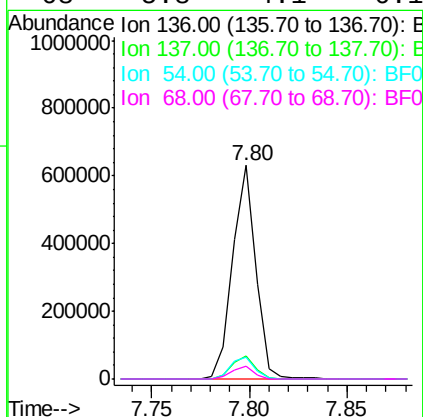
Instrument :
BNA_F
ClientSampleId :
CEMETERY-12-(0-2)

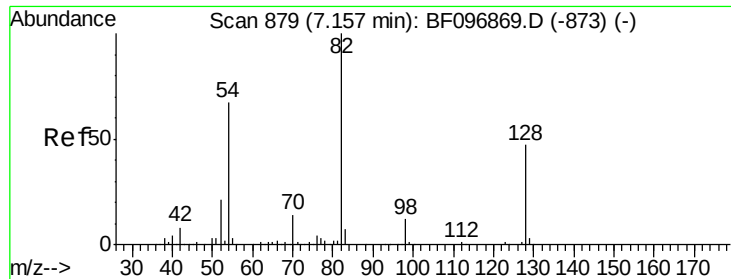
Tot Ion	Ratio	Lower	Upper
70	100		
42	65.6	47.2	70.8
101	0.0	7.2	10.8#
130	2.2	15.9	23.9#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.80 min Scan# 1005
Delta R.T. -0.03 min
Lab File: BF097013.D
Acq: 25 Jul 2017 4:12

Tgt Ion	Ratio	Lower	Upper
136	100		
137	10.6	8.5	12.7
54	10.4	4.9	7.3#
68	5.8	4.1	6.1

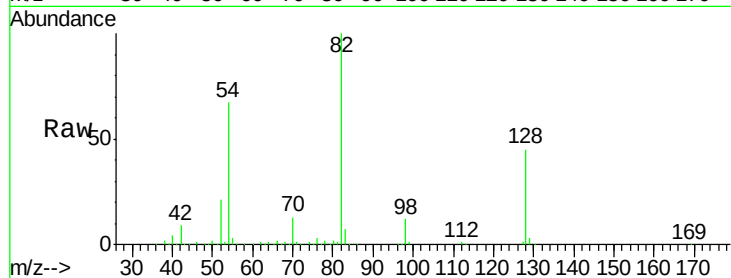




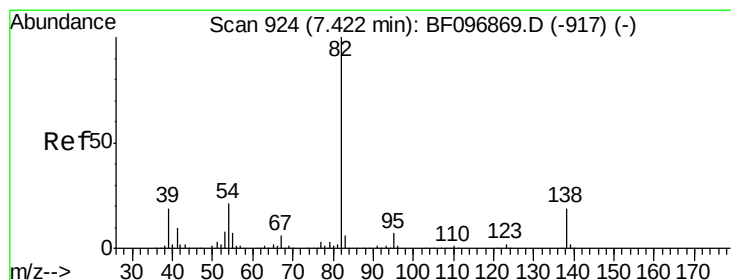
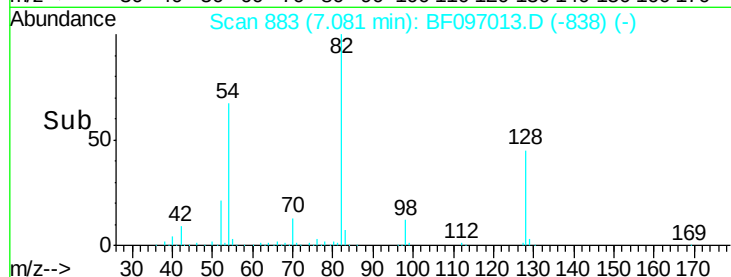
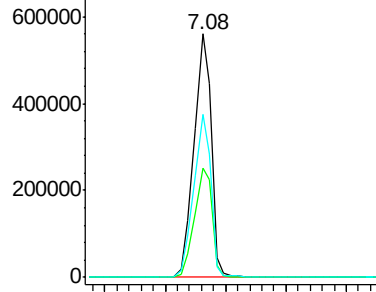
#23
 Nitrobenzene-d5
 Concen: 66.16 ng
 RT: 7.08 min Scan# 883
 Delta R.T. -0.04 min
 Lab File: BF097013.D
 Acq: 25 Jul 2017 4:12

Instrument :
 BNA_F
 ClientSampleId :
 CEMETERY-12-(0-2)

Tot Ion	Ratio	Lower	Upper
82	100		
128	44.9	34.0	51.0
54	66.8	42.2	63.2#

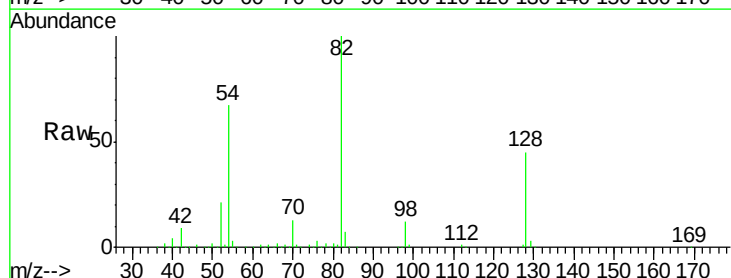


Abundance Ion 82.00 (81.70 to 82.70): BF0
 Ion 128.00 (127.70 to 128.70): BF0
 Ion 54.00 (53.70 to 54.70): BF0

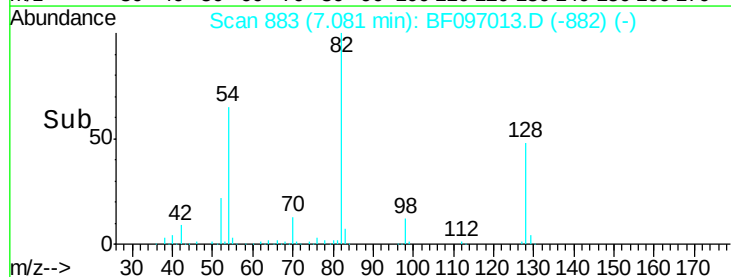
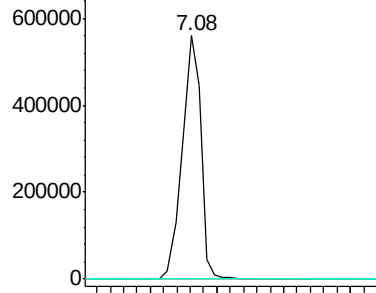


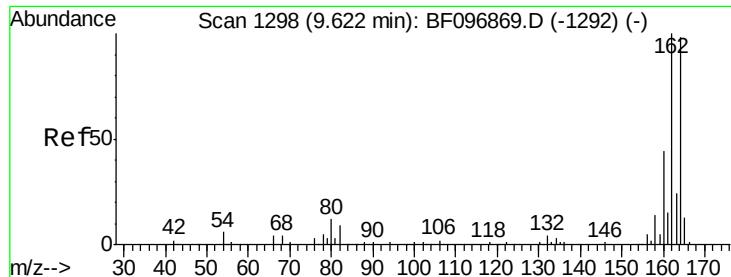
#25
 Isophorone
 Concen: 35.36 ng
 RT: 7.08 min Scan# 883
 Delta R.T. -0.29 min
 Lab File: BF097013.D
 Acq: 25 Jul 2017 4:12

Tgt 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

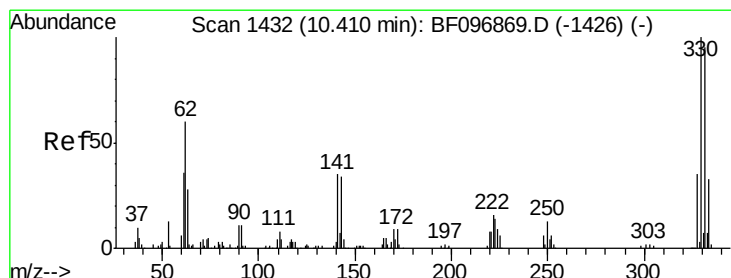
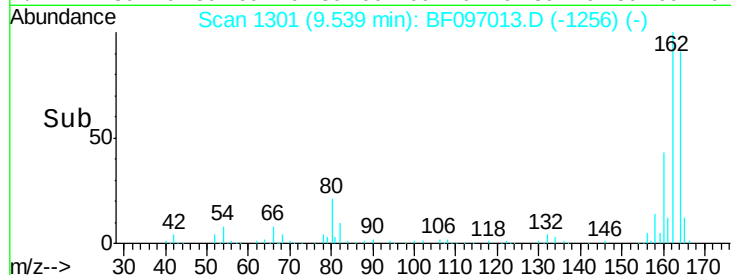
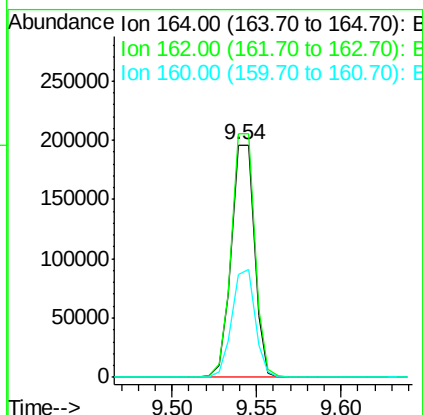
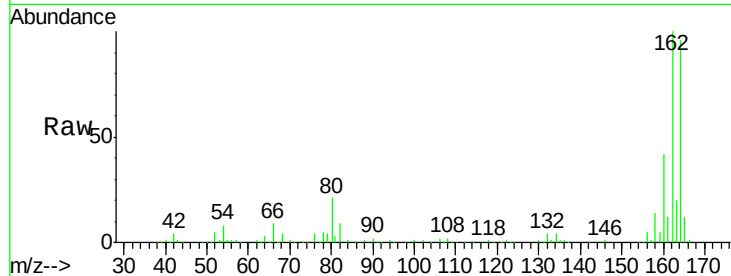




#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.54 min Scan# 1301
 Delta R.T. -0.04 min
 Lab File: BF097013.D
 Acq: 25 Jul 2017 4:12

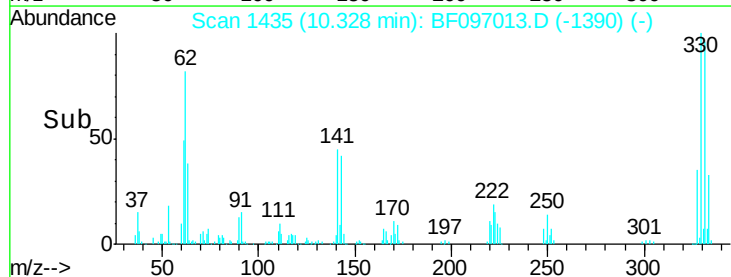
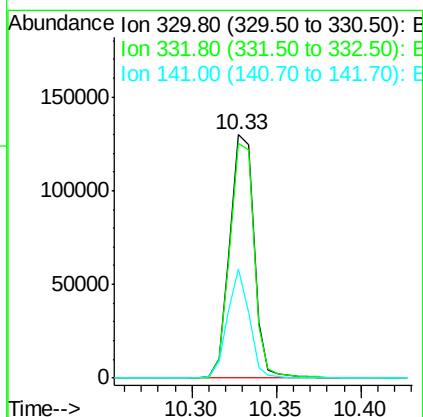
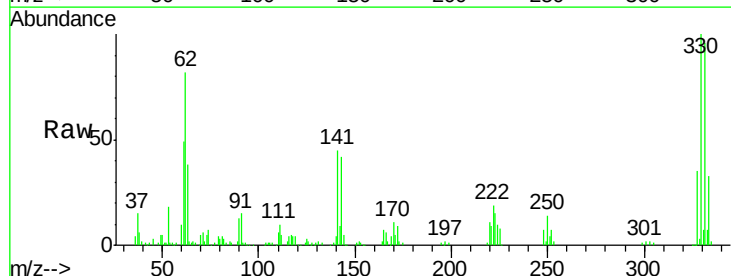
Instrument :
 BNA_F
 ClientSampleId :
 CEMETERY-12-(0-2)

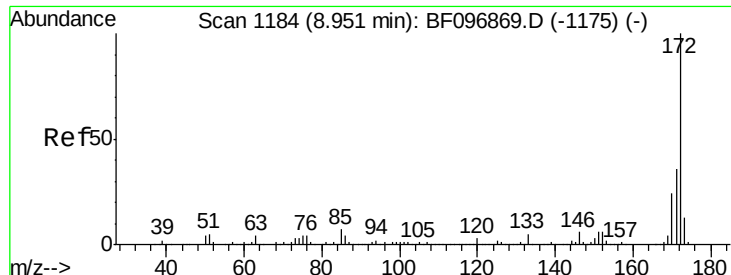
Tot Ion:164 Resp: 187748
 Ion Ratio Lower Upper
 164 100
 162 104.6 82.6 123.8
 160 44.2 36.2 54.2



#41
 2,4,6-Tribromophenol
 Concen: 81.02 ng
 RT: 10.33 min Scan# 1435
 Delta R.T. -0.04 min
 Lab File: BF097013.D
 Acq: 25 Jul 2017 4:12

Tgt Ion:330 Resp: 129839
 Ion Ratio Lower Upper
 330 100
 332 96.9 76.6 115.0
 141 40.0 31.4 47.2

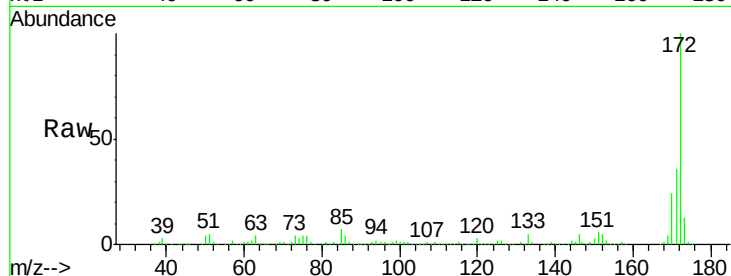




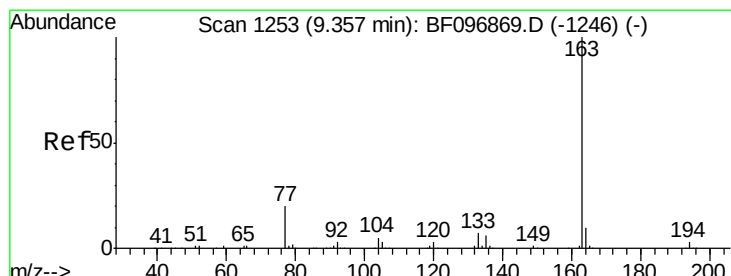
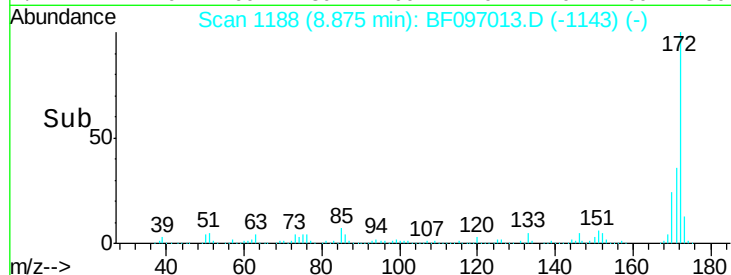
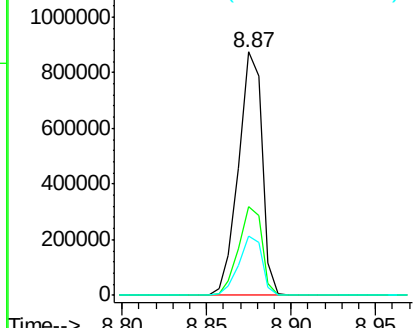
#44
2-Fluorobiphenyl
Concen: 71.99 ng
RT: 8.87 min Scan# 1188
Delta R.T. -0.04 min
Lab File: BF097013.D
Acq: 25 Jul 2017 4:12

Instrument :
BNA_F
ClientSampleId :
CEMETERY-12-(0-2)

Tot Ion:172 Resp: 855453
Ion Ratio Lower Upper
172 100
171 36.4 29.6 44.4
170 24.3 19.8 29.8

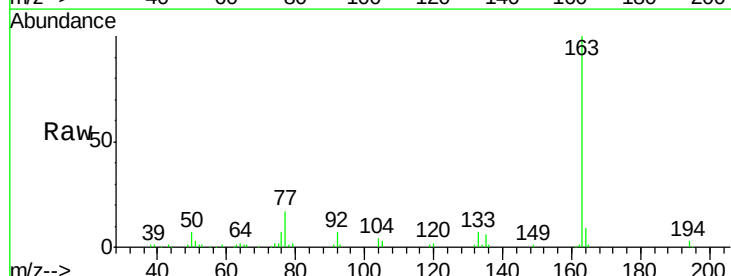


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

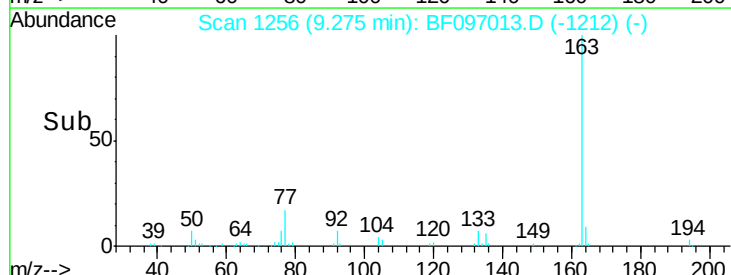
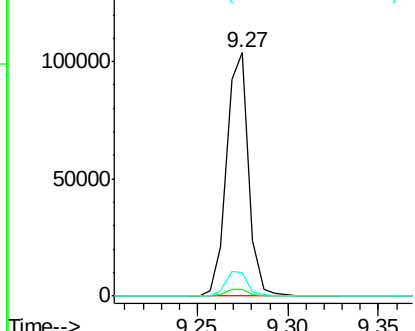


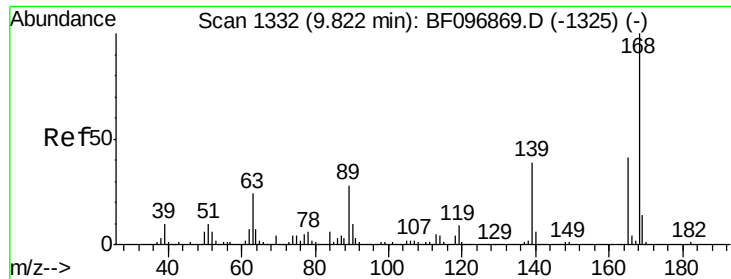
#49
Dimethylphthalate
Concen: 6.20 ng
RT: 9.27 min Scan# 1256
Delta R.T. -0.04 min
Lab File: BF097013.D
Acq: 25 Jul 2017 4:12

Tgt Ion:163 Resp: 87606
Ion Ratio Lower Upper
163 100
194 3.0 2.6 4.0
164 9.5 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

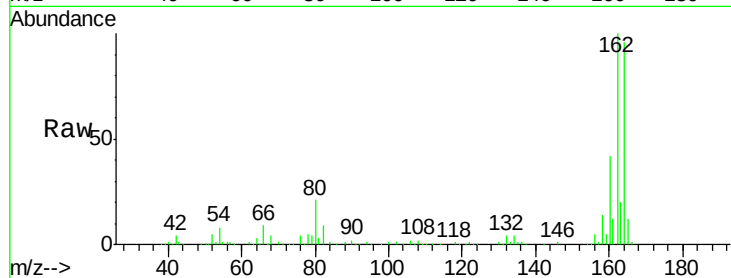




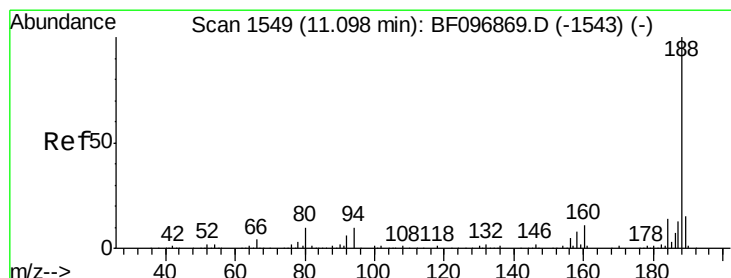
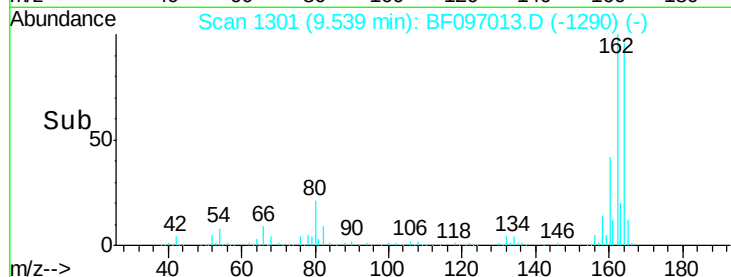
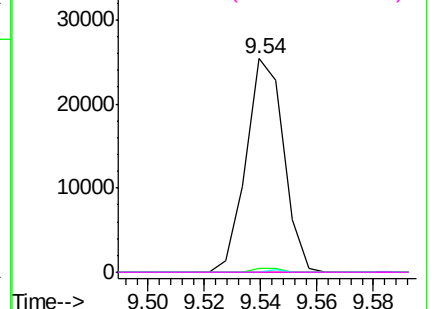
#56
 2,4-Dinitrotoluene
 Concen: 5.97 ng
 RT: 9.54 min Scan# 1301
 Delta R.T. -0.24 min
 Lab File: BF097013.D
 Acq: 25 Jul 2017 4:12

Instrument :
 BNA_F
 ClientSampleId :
 CEMETERY-12-(0-2)

Tot Ion:	165	Resp:	23509
Ion Ratio	Lower	Upper	
165	100		
63	1.8	25.4	38.0#
89	0.0	46.4	69.6#
182	0.0	1.8	2.6#

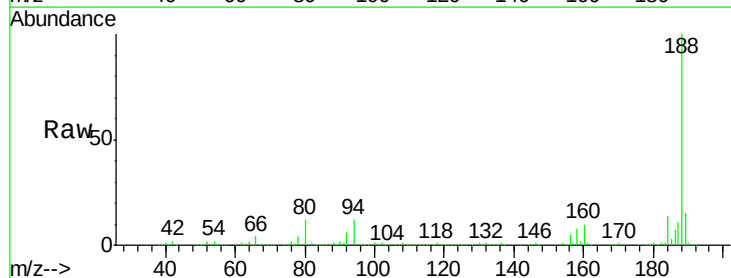


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF0
 Ion 89.00 (88.70 to 89.70): BF0
 Ion 182.00 (181.70 to 182.70): E

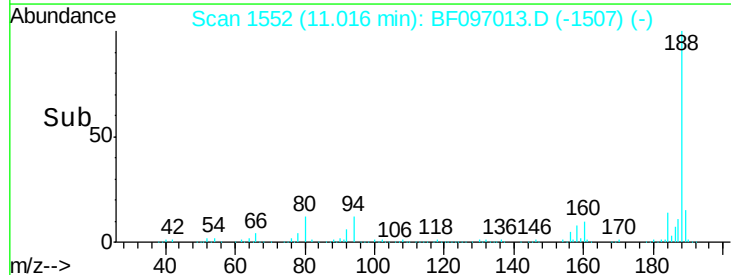
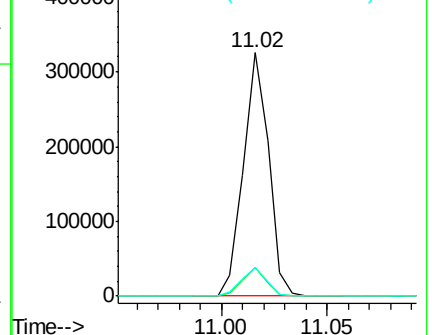


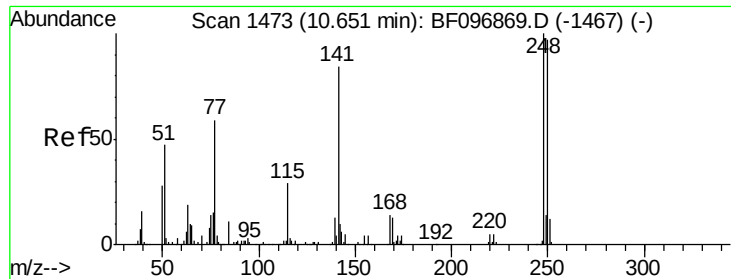
#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.02 min Scan# 1552
 Delta R.T. -0.04 min
 Lab File: BF097013.D
 Acq: 25 Jul 2017 4:12

Tgt Ion:	188	Resp:	268213
Ion Ratio	Lower	Upper	
188	100		
94	11.7	9.4	14.2
80	12.0	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

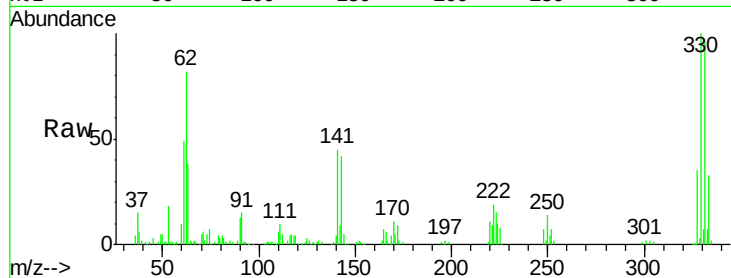




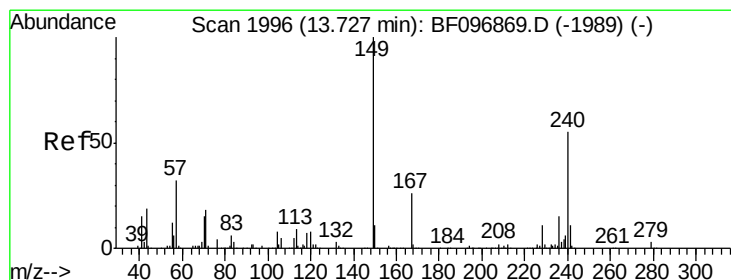
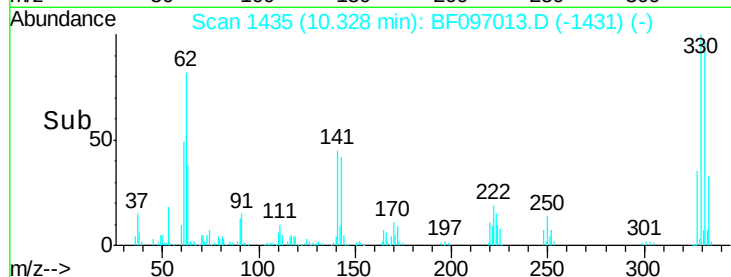
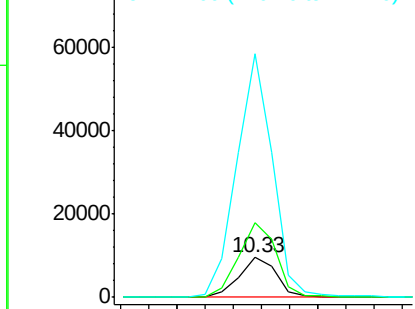
#66
4-Bromophenyl-phenylether
Concen: 3.22 ng
RT: 10.33 min Scan# 1435
Delta R.T. -0.28 min
Lab File: BF097013.D
Acq: 25 Jul 2017 4:12

Instrument :
BNA_F
ClientSampleId :
CEMETERY-12-(0-2)

Tot Ion:248 Resp: 8829
Ion Ratio Lower Upper
248 100
250 187.9 76.8 115.2#
141 608.0 68.6 103.0#

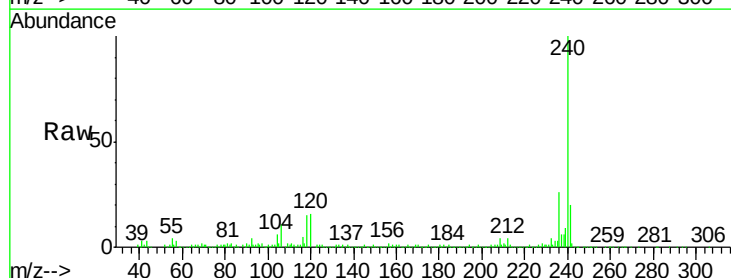


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

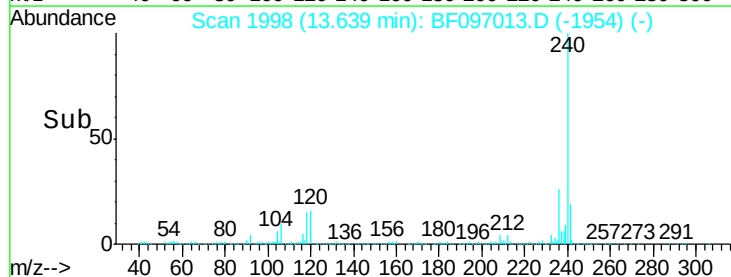
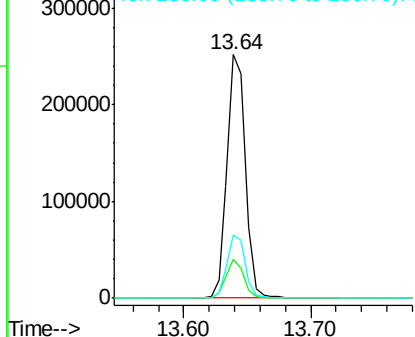


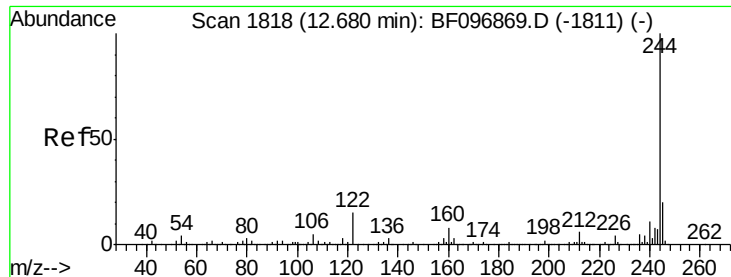
#75
Chrysene-d12
Concen: 20.00 ng
RT: 13.64 min Scan# 1998
Delta R.T. -0.04 min
Lab File: BF097013.D
Acq: 25 Jul 2017 4:12

Tgt Ion:240 Resp: 251692
Ion Ratio Lower Upper
240 100
120 16.0 5.8 8.8#
236 25.7 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

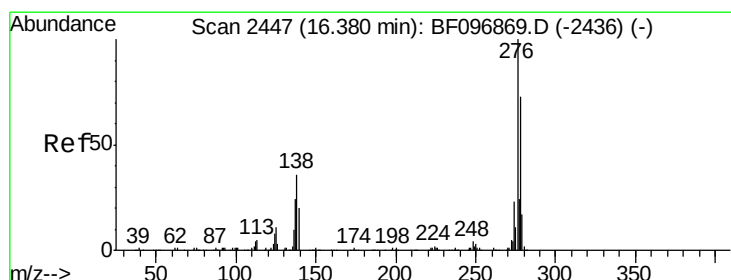
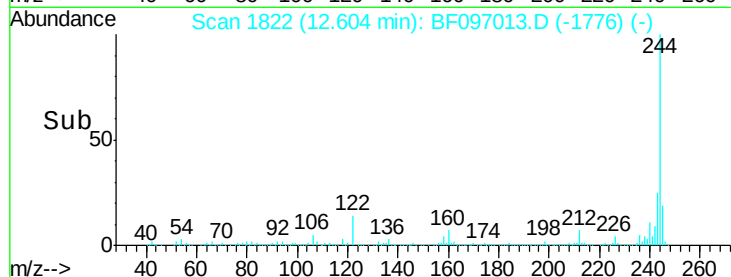
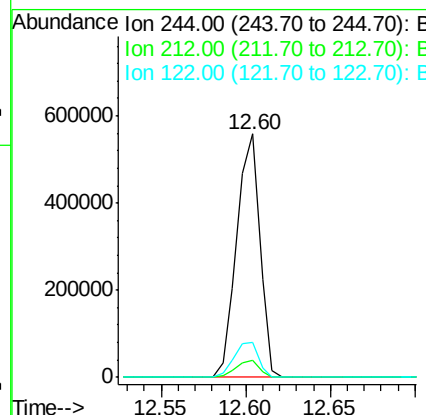
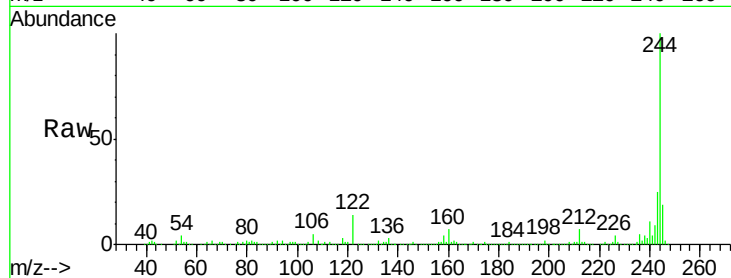




#78
 Terphenyl-d14
 Concen: 36.78 ng
 RT: 12.60 min Scan# 1822
 Delta R.T. -0.03 min
 Lab File: BF097013.D
 Acq: 25 Jul 2017 4:12

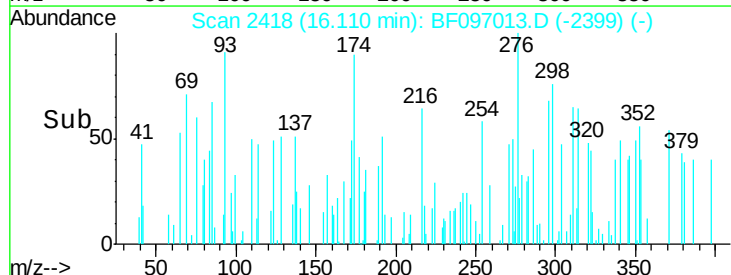
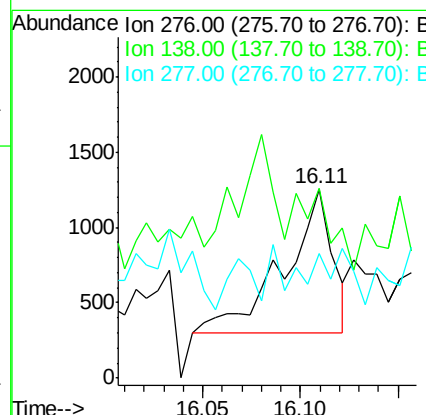
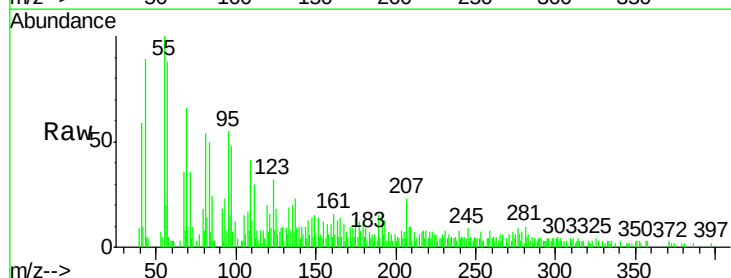
Instrument :
 BNA_F
 ClientSampleId :
 CEMETERY-12-(0-2)

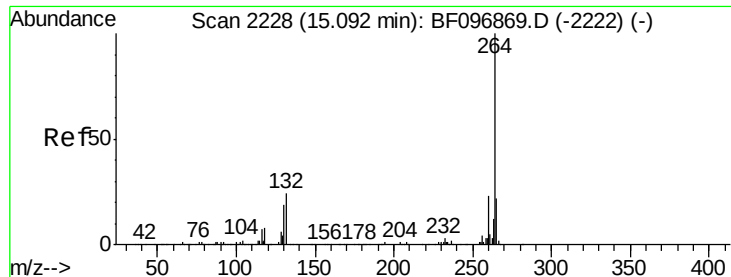
Tot Ion:244 Resp: 533851
 Ion Ratio Lower Upper
 244 100
 212 7.0 6.0 9.0
 122 14.2 10.3 15.5



#85
 Indeno(1,2,3-cd)pyrene
 Concen: 3.44 ng
 RT: 16.11 min Scan# 2418
 Delta R.T. -0.19 min
 Lab File: BF097013.D
 Acq: 25 Jul 2017 4:12

Tgt Ion:276 Resp: 1643
 Ion Ratio Lower Upper
 276 100
 138 39.3 27.8 41.6
 277 27.3 20.2 30.4

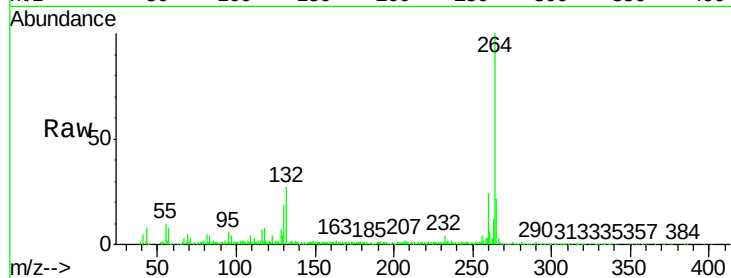




#86
 Pervlene-d12
 Concen: 20.00 ng
 RT: 15.00 min Scan# 2229
 Delta R.T. -0.04 min
 Lab File: BF097013.D
 Acq: 25 Jul 2017 4:12

Instrument :
 BNA_F
 ClientSampleId :
 CEMETERY-12-(0-2)

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.7	19.5	29.3
265	22.3	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

