

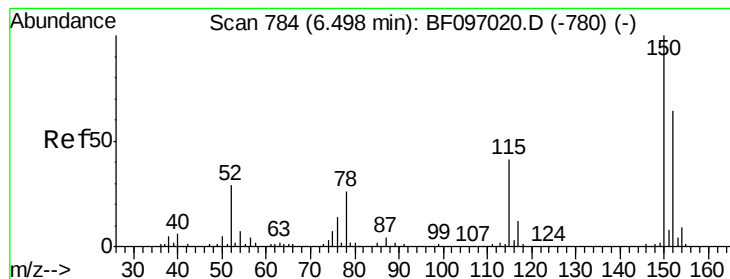
Data Path : Z:\HPCHEM1\BNA F\DATA\BF072517\
 Data File : BF097060.D
 Acq On : 26 Jul 2017 6:34
 Operator : SJ/JU
 Sample : I4370-06
 Misc :
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jul 26 07:01:36 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	207841	20.00	ng	0.00
21) Naphthalene-d8	7.78	136	811864	20.00	ng	0.00
38) Acenaphthene-d10	9.53	164	312553	20.00	ng	0.00
63) Phenanthrene-d10	11.00	188	445731	20.00	ng	0.00
75) Chrysene-d12	13.63	240	358091	20.00	ng	0.00
86) Perylene-d12	14.97	264	271103	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.11	112	841274	61.02	ng	0.01
7) Phenol-d6	6.17	99	1082072	68.75	ng	0.00
23) Nitrobenzene-d5	7.07	82	582854	42.12	ng	0.00
41) 2,4,6-Tribromophenol	10.32	330	142398	57.66	ng	0.00
44) 2-Fluorobiphenyl	8.86	172	816063	44.31	ng	0.00
78) Terphenyl-d14	12.59	244	477231	27.17	ng	0.00
Target Compounds						Qvalue
6) Aniline	6.24	93	55795	2.82	ng	# 52
11) bis(2-Chloroethyl)ether	6.24	93	55795	3.78	ng	89
12) 1,3-Dichlorobenzene	6.44	146	34305	2.16	ng	98
13) 1,4-Dichlorobenzene	6.52	146	59782	3.80	ng	96
14) 1,2-Dichlorobenzene	6.67	146	118385	8.61	ng	97
19) n-Nitroso-di-n-propylamine	7.07	70	79972	7.72	ng	# 87
25) Isophorone	7.07	82	574961	21.21	ng	# 67
49) Dimethylphthalate	9.26	163	100171	4.22	ng	100
66) 4-Bromophenyl-phenylether	10.32	248	9047	2.03	ng	# 1
74) Fluoranthene	12.20	202	70946	3.03	ng	97
77) Pyrene	12.43	202	71394	2.44	ng	97
87) Benzo(b)fluoranthene	14.62	252	49390	3.03	ng	# 96
88) Benzo(k)fluoranthene	14.62	252	49390	3.18	ng	98

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



#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.50 min Scan# 784

Delta R.T. -0.00 min

Lab File: BF097060.D

Acq: 26 Jul 2017 6:34

Instrument :

BNA_F

ClientSampleId :

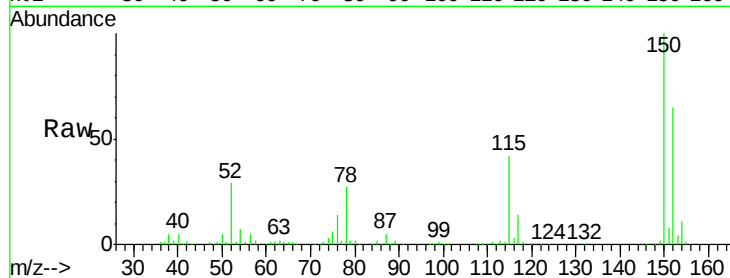
Tot Ion:152 Resp: 207841

Ion Ratio Lower Upper

152 100

150 153.8 126.2 189.2

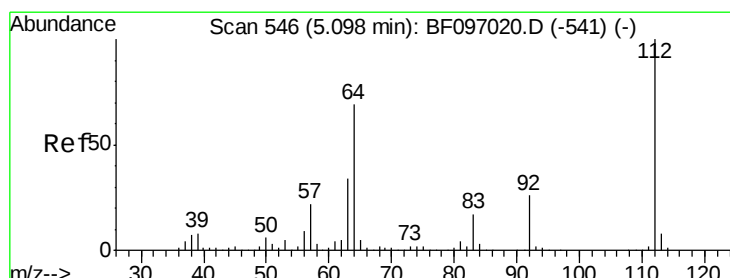
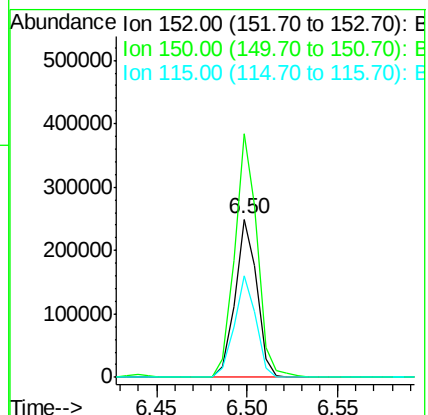
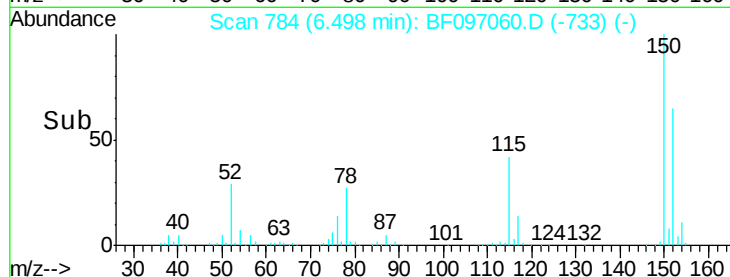
115 64.2 52.2 78.2



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: 61.02 ng

RT: 5.11 min Scan# 548

Delta R.T. 0.01 min

Lab File: BF097060.D

Acq: 26 Jul 2017 6:34

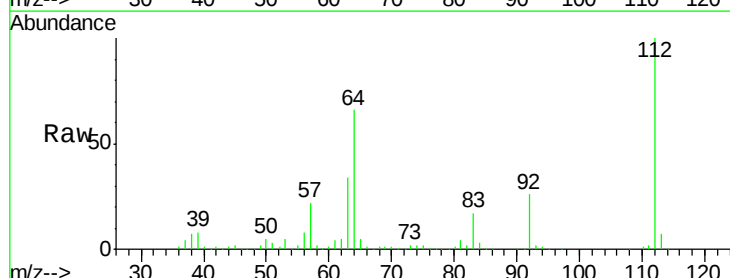
Tgt Ion:112 Resp: 841274

Ion Ratio Lower Upper

112 100

64 65.9 46.0 69.0

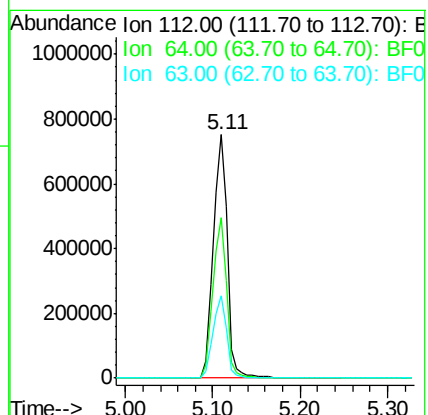
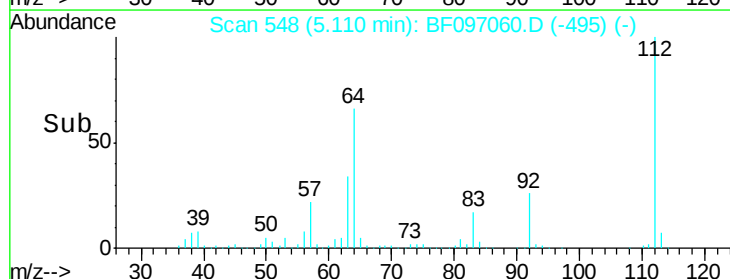
63 33.8 23.4 35.0

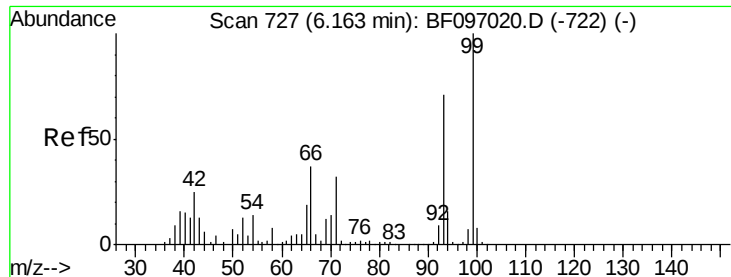


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#6

Aniline

Concen: 2.82 ng

RT: 6.24 min Scan# 740

Delta R.T. 0.08 min

Lab File: BF097060.D

Acq: 26 Jul 2017 6:34

Instrument :

BNA_F

ClientSampled :

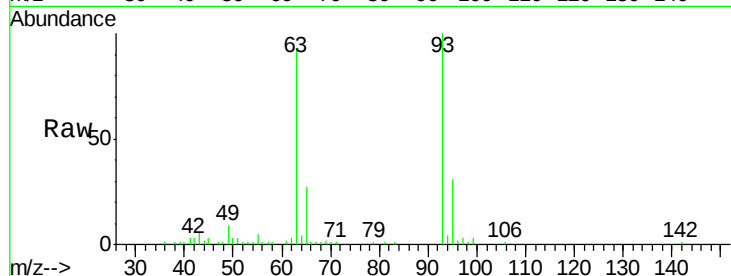
Tot Ion: 93 Resp: 55795

Ion Ratio Lower Upper

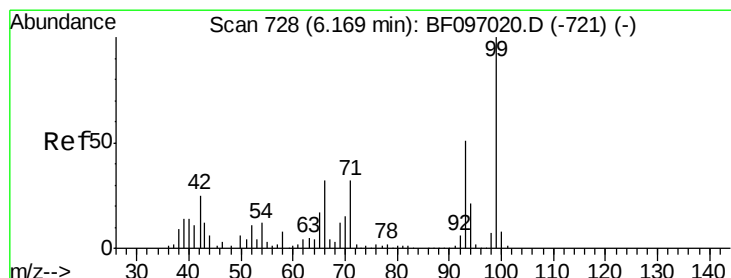
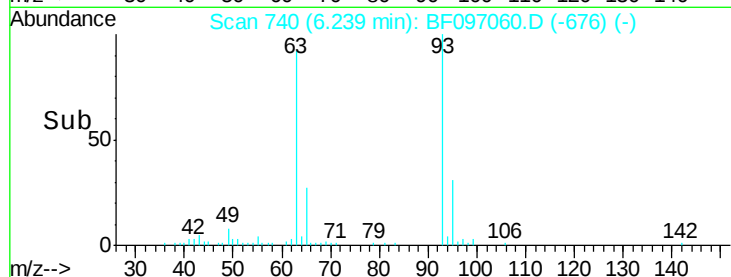
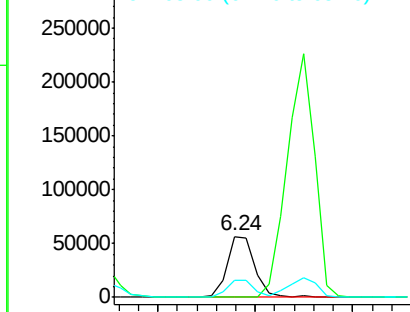
93 100

66 0.9 32.9 49.3#

65 27.1 16.0 24.0#



Abundance Ion 93.00 (92.70 to 93.70): BF0
Ion 66.00 (65.70 to 66.70): BF0
Ion 65.00 (64.70 to 65.70): BF0



#7

Phenol-d6

Concen: 68.75 ng

RT: 6.17 min Scan# 728

Delta R.T. -0.00 min

Lab File: BF097060.D

Acq: 26 Jul 2017 6:34

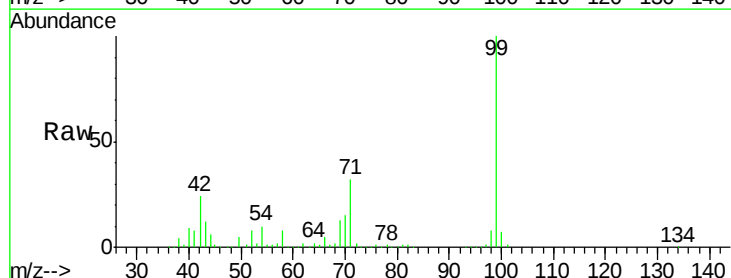
Tgt Ion: 99 Resp: 1082072

Ion Ratio Lower Upper

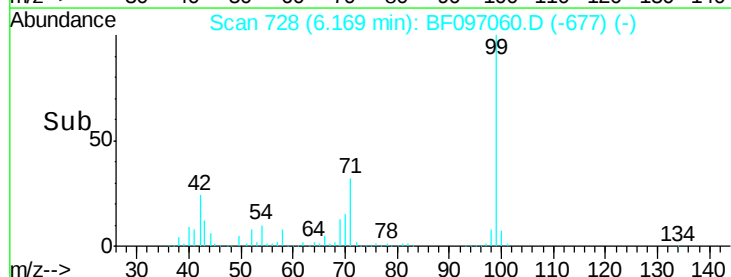
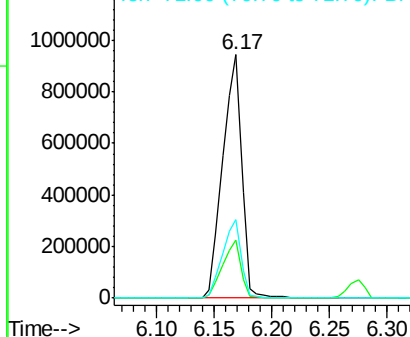
99 100

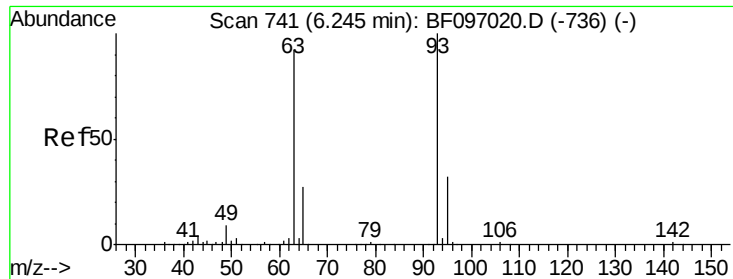
42 23.6 13.5 20.3#

71 32.3 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





#11

bis(2-Chloroethyl)ether

Concen: 3.78 ng

RT: 6.24 min Scan# 740

Delta R.T. -0.01 min

Lab File: BF097060.D

Acq: 26 Jul 2017 6:34

Instrument :

BNA_F

ClientSampleId :

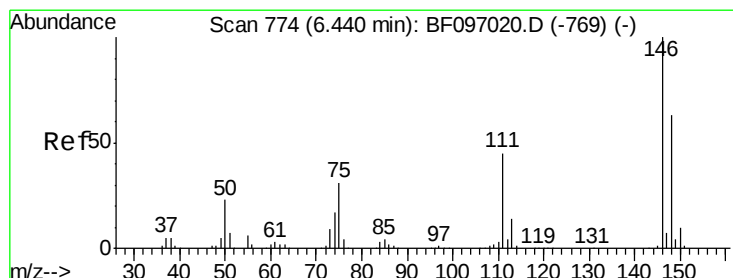
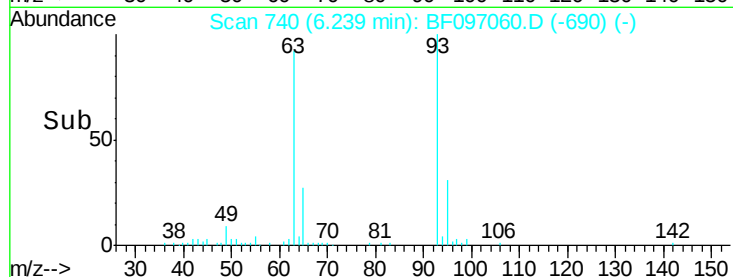
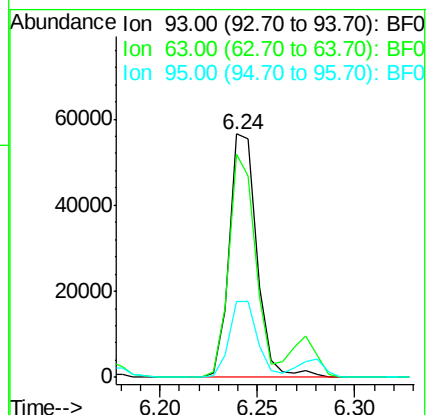
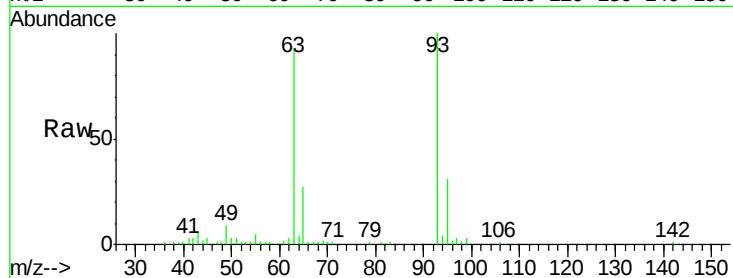
Tot Ion: 93 Resp: 55795

Ion Ratio Lower Upper

93 100

63 91.8 59.2 99.2

95 31.3 12.8 52.8



#12

1,3-Dichlorobenzene

Concen: 2.16 ng

RT: 6.44 min Scan# 774

Delta R.T. -0.00 min

Lab File: BF097060.D

Acq: 26 Jul 2017 6:34

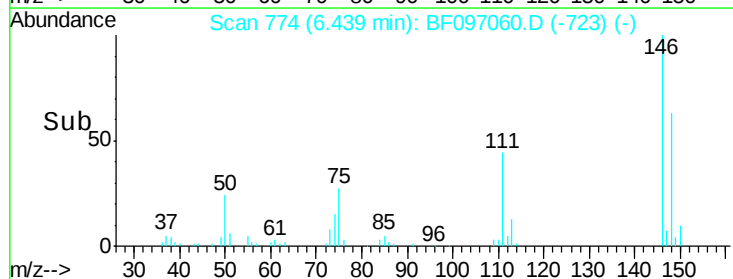
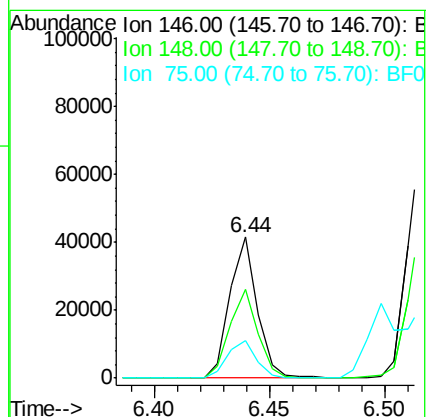
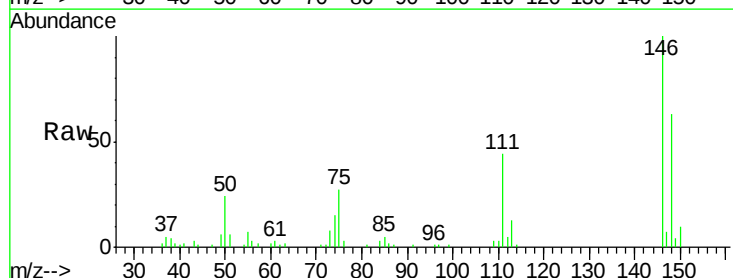
Tgt Ion: 146 Resp: 34305

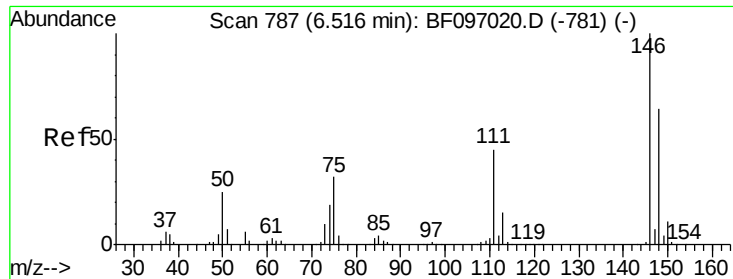
Ion Ratio Lower Upper

146 100

148 63.4 51.8 77.6

75 26.9 23.1 34.7





#13

1,4-Dichlorobenzene

Concen: 3.80 ng

RT: 6.52 min Scan# 787

Delta R.T. -0.00 min

Lab File: BF097060.D

Acq: 26 Jul 2017 6:34

Instrument :

BNA_F

ClientSampled :

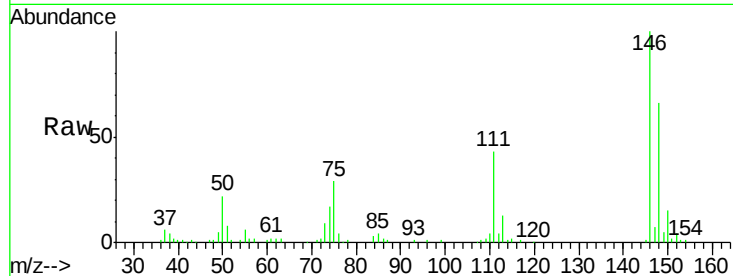
Tot Ion:146 Resp: 59782

Ion Ratio Lower Upper

146 100

148 66.4 52.2 78.2

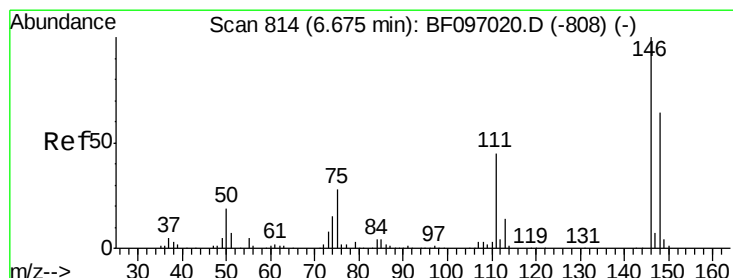
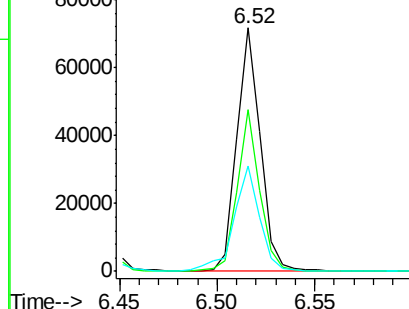
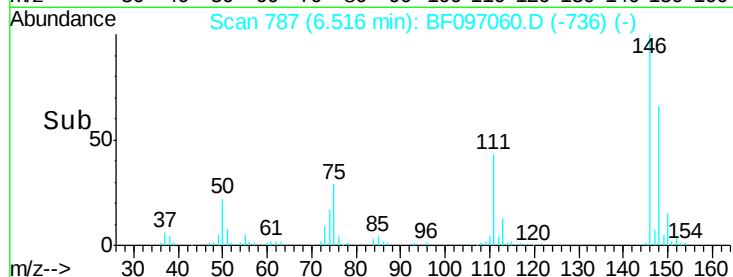
111 43.3 30.3 45.5



Abundance Ion 146.00 (145.70 to 146.70): E

Ion 148.00 (147.70 to 148.70): E

Ion 111.00 (110.70 to 111.70): E



#14

1,2-Dichlorobenzene

Concen: 8.61 ng

RT: 6.67 min Scan# 813

Delta R.T. -0.01 min

Lab File: BF097060.D

Acq: 26 Jul 2017 6:34

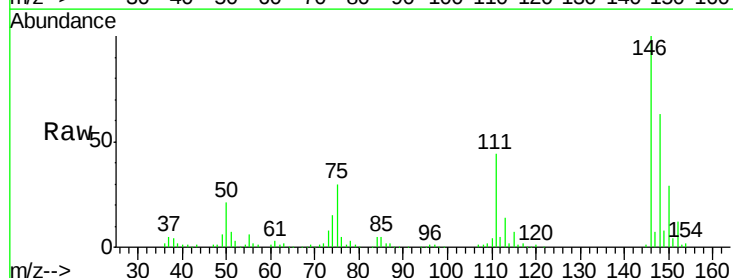
Tgt Ion:146 Resp: 118385

Ion Ratio Lower Upper

146 100

148 63.0 50.4 75.6

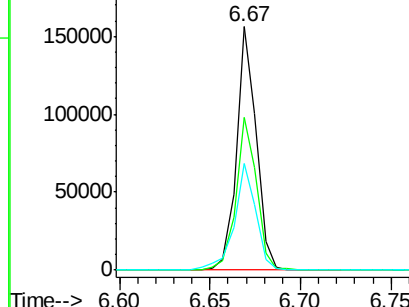
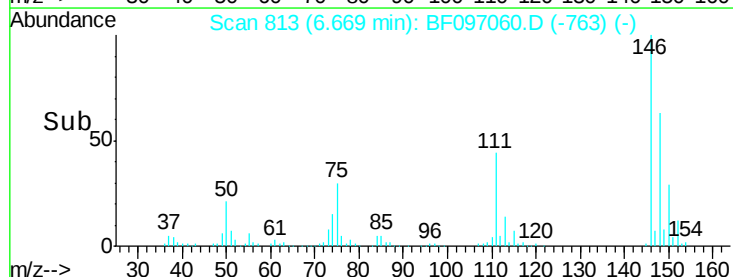
111 43.7 38.2 57.4

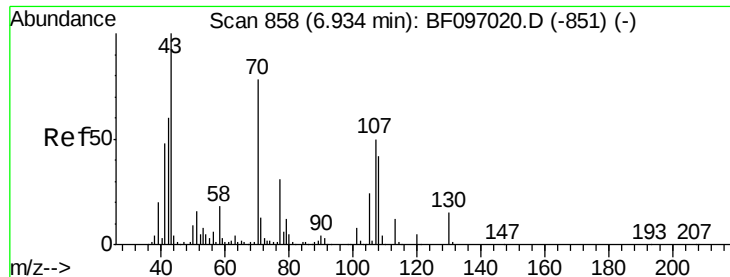


Abundance Ion 146.00 (145.70 to 146.70): E

Ion 148.00 (147.70 to 148.70): E

Ion 111.00 (110.70 to 111.70): E

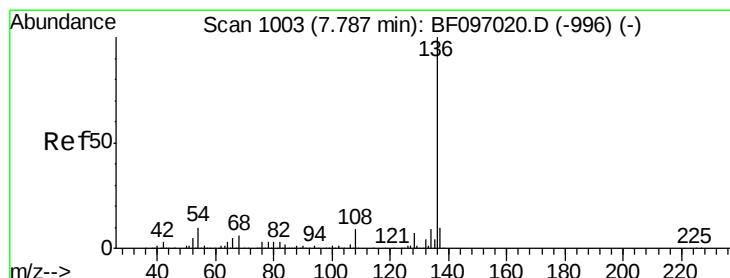
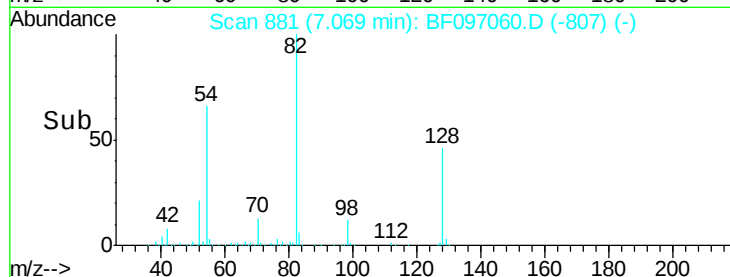
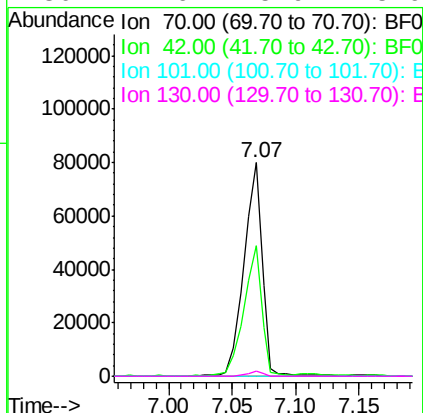
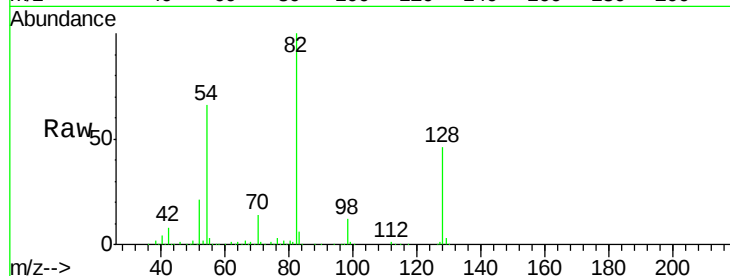




#19
n-Nitroso-di-n-propylamine
Concen: 7.72 ng
RT: 7.07 min Scan# 881
Delta R.T. 0.14 min
Lab File: BF097060.D
Acq: 26 Jul 2017 6:34

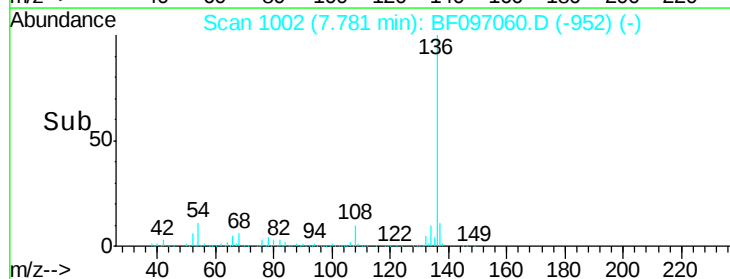
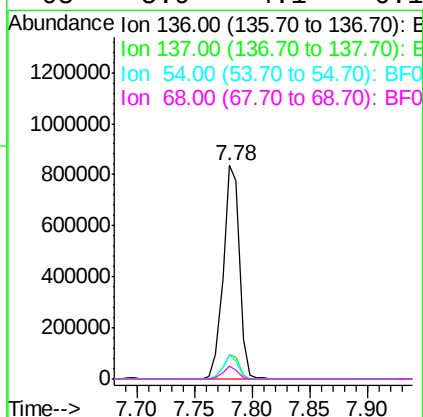
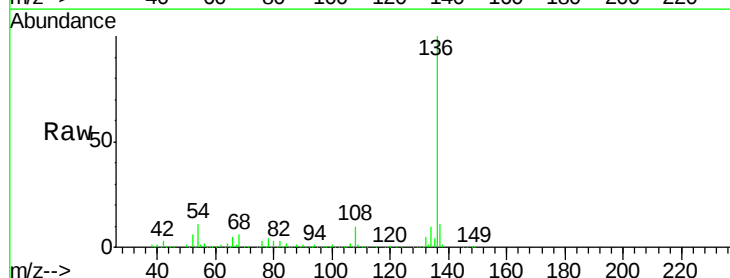
Instrument :
BNA_F
ClientSampleId :

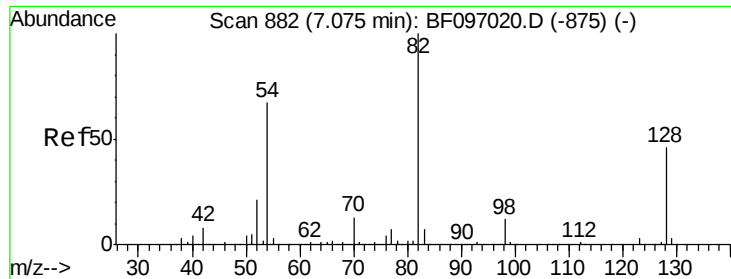
Tot Ion: 70 Resp: 79972
Ion Ratio Lower Upper
70 100
42 61.1 47.2 70.8
101 0.0 7.2 10.8#
130 2.6 15.9 23.9#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.78 min Scan# 1002
Delta R.T. -0.01 min
Lab File: BF097060.D
Acq: 26 Jul 2017 6:34

Tgt Ion:136 Resp: 811864
Ion Ratio Lower Upper
136 100
137 11.4 8.5 12.7
54 11.2 4.9 7.3#
68 5.9 4.1 6.1

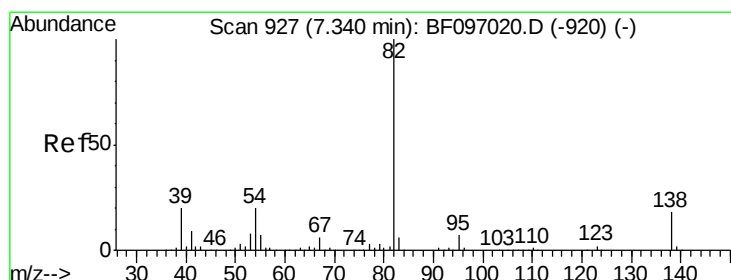
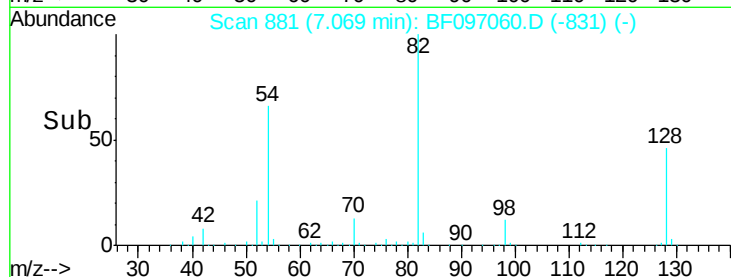
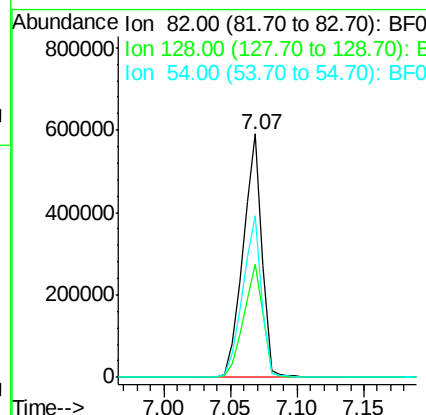
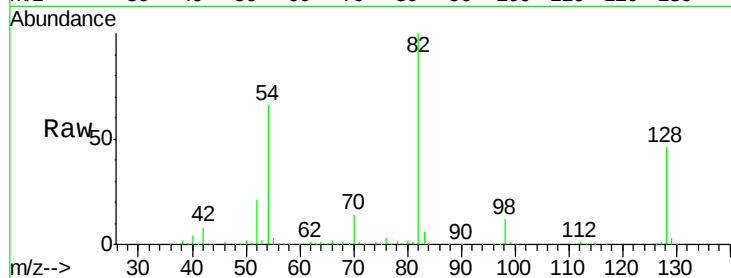




#23
Nitrobenzene-d5
Concen: 42.12 ng
RT: 7.07 min Scan# 881
Delta R.T. -0.01 min
Lab File: BF097060.D
Acq: 26 Jul 2017 6:34

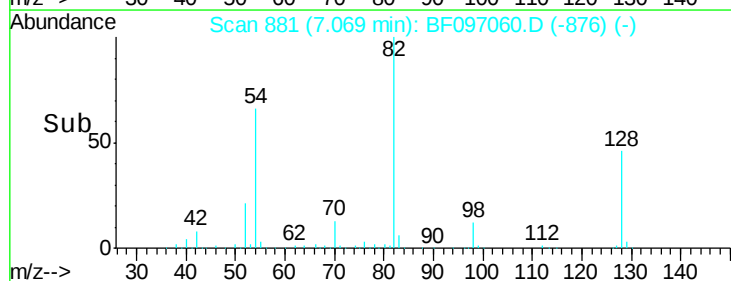
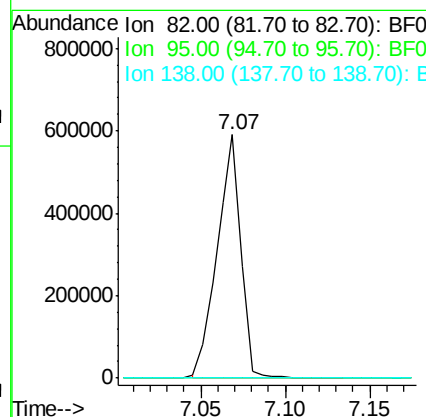
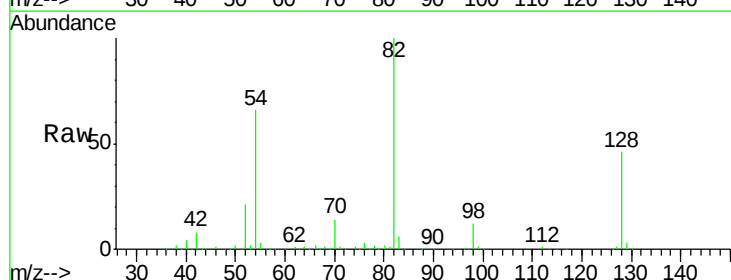
Instrument :
BNA_F
ClientSampleId :

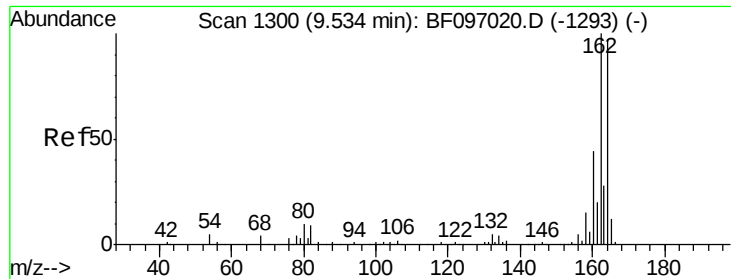
Tot Ion	82	Resp	582854
Ion Ratio	100	Lower	Upper
128	46.4	34.0	51.0
54	66.3	42.2	63.2#



#25
Isophorone
Concen: 21.21 ng
RT: 7.07 min Scan# 881
Delta R.T. -0.27 min
Lab File: BF097060.D
Acq: 26 Jul 2017 6:34

Tgt Ion	82	Resp	574961
Ion Ratio	100	Lower	Upper
95	0.0	5.3	7.9#
138	0.0	13.1	19.7#

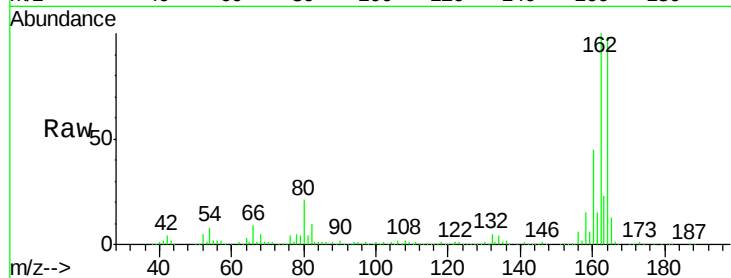




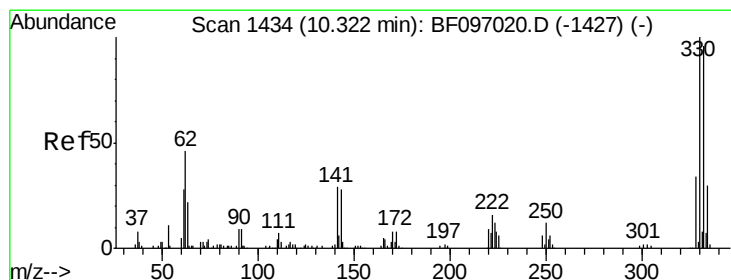
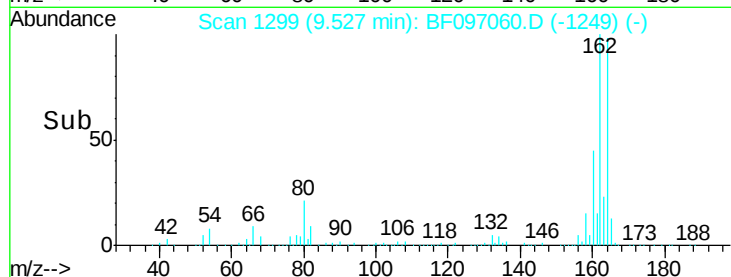
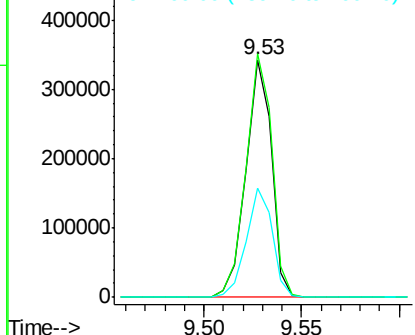
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.53 min Scan# 1299
 Delta R.T. -0.01 min
 Lab File: BF097060.D
 Acq: 26 Jul 2017 6:34

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:164 Resp: 312553
 Ion Ratio Lower Upper
 164 100
 162 102.5 82.6 123.8
 160 46.0 36.2 54.2

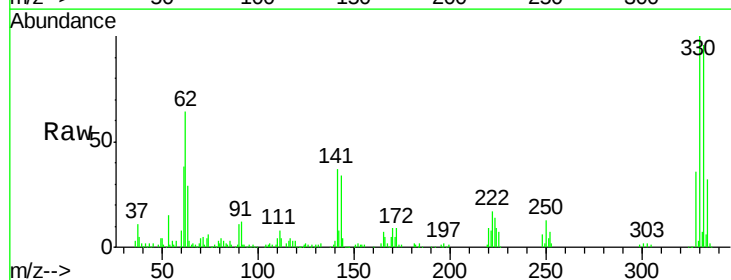


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

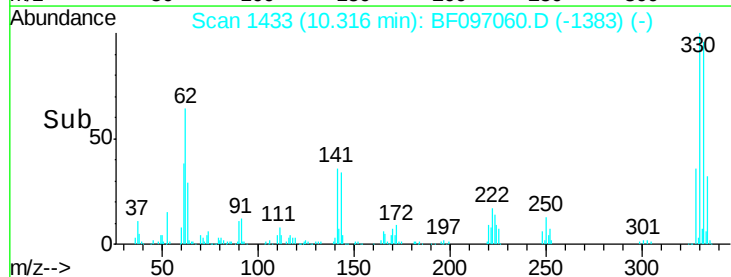
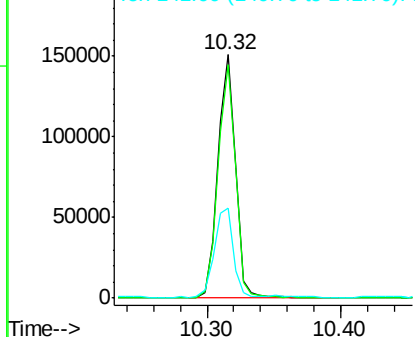


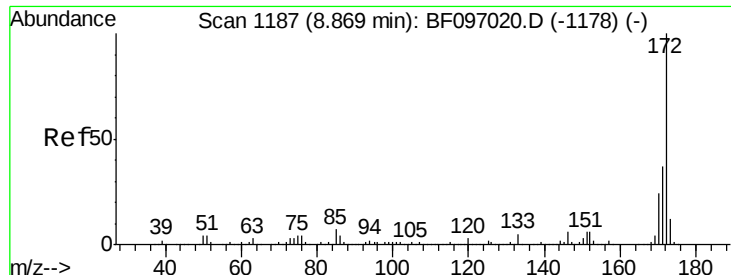
#41
 2,4,6-Tribromophenol
 Concen: 57.66 ng
 RT: 10.32 min Scan# 1433
 Delta R.T. -0.01 min
 Lab File: BF097060.D
 Acq: 26 Jul 2017 6:34

Tgt Ion:330 Resp: 142398
 Ion Ratio Lower Upper
 330 100
 332 95.8 76.6 115.0
 141 39.6 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

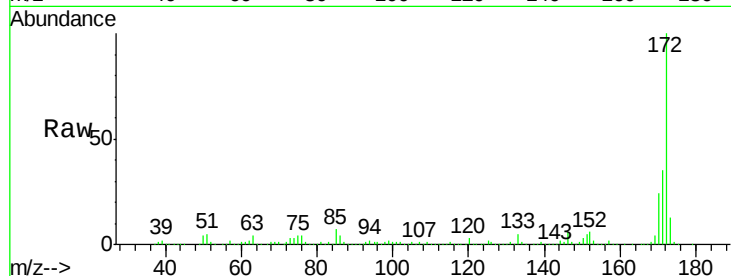




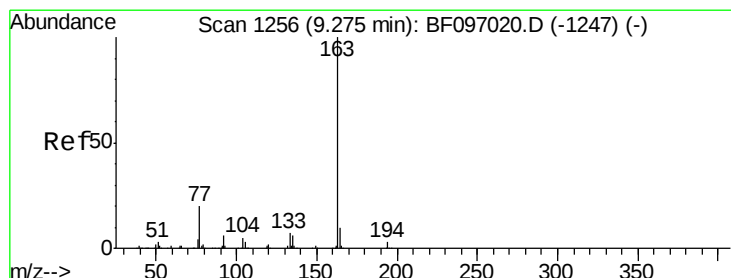
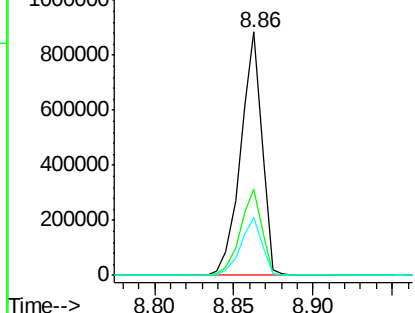
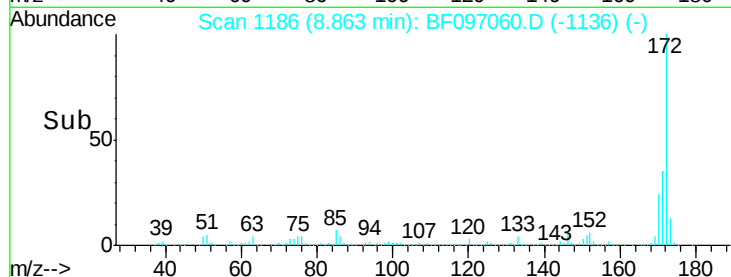
#44
2-Fluorobiphenyl
Concen: 44.31 ng
RT: 8.86 min Scan# 1186
Delta R.T. -0.01 min
Lab File: BF097060.D
Acq: 26 Jul 2017 6:34

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
172	100		
171	35.3	29.6	44.4
170	24.1	19.8	29.8

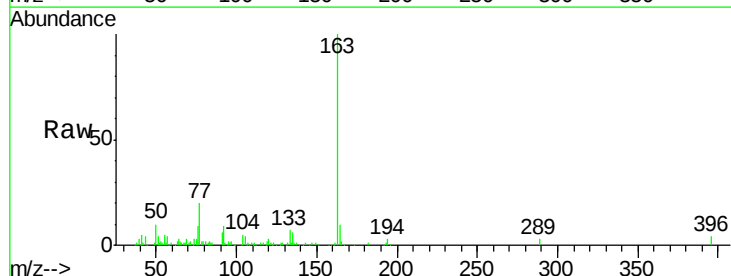


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

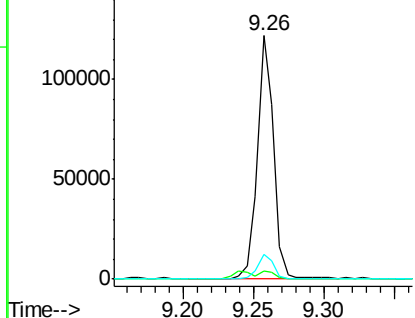
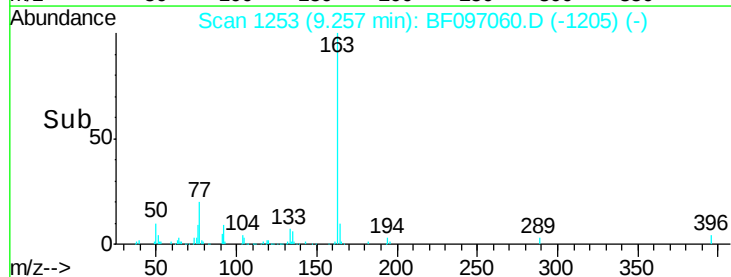


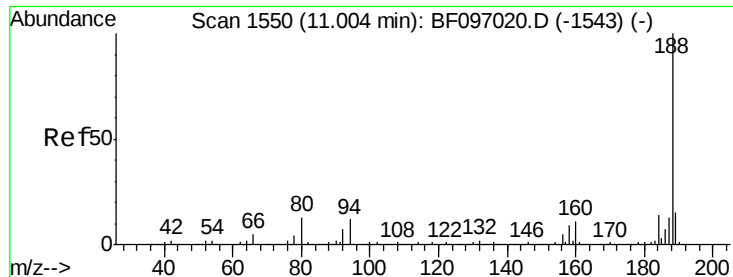
#49
Dimethylphthalate
Concen: 4.22 ng
RT: 9.26 min Scan# 1253
Delta R.T. -0.02 min
Lab File: BF097060.D
Acq: 26 Jul 2017 6:34

Tgt Ion	Ratio	Lower	Upper
163	100		
194	3.2	2.6	4.0
164	10.3	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





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.00 min Scan# 1550

Delta R.T. -0.00 min

Lab File: BF097060.D

Acq: 26 Jul 2017 6:34

Instrument :

BNA_F

ClientSampleId :

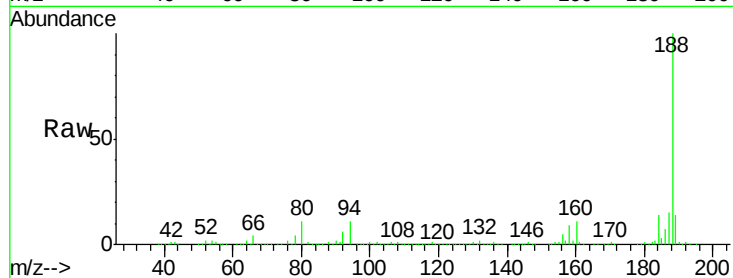
Tot Ion:188 Resp: 445731

Ion Ratio Lower Upper

188 100

94 10.5 9.4 14.2

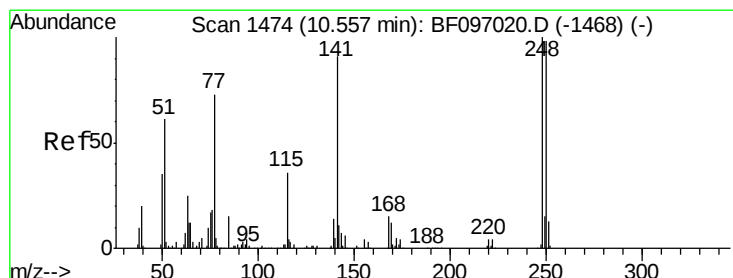
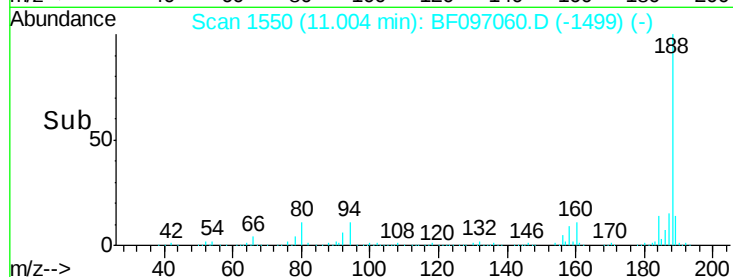
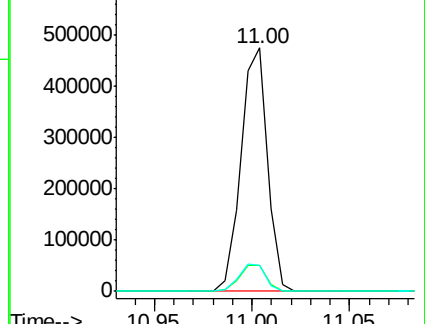
80 10.8 10.2 15.2



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: 2.03 ng

RT: 10.32 min Scan# 1433

Delta R.T. -0.24 min

Lab File: BF097060.D

Acq: 26 Jul 2017 6:34

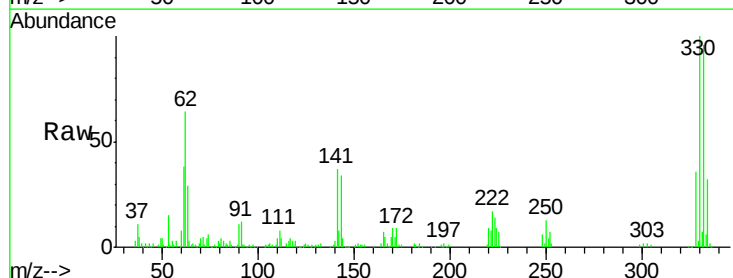
Tgt Ion:248 Resp: 9047

Ion Ratio Lower Upper

248 100

250 209.0 76.8 115.2#

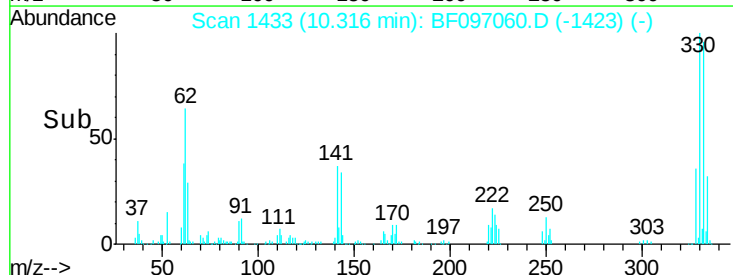
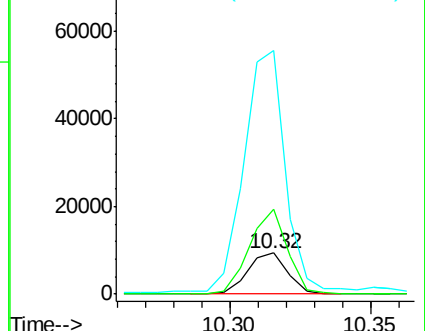
141 595.9 68.6 103.0#

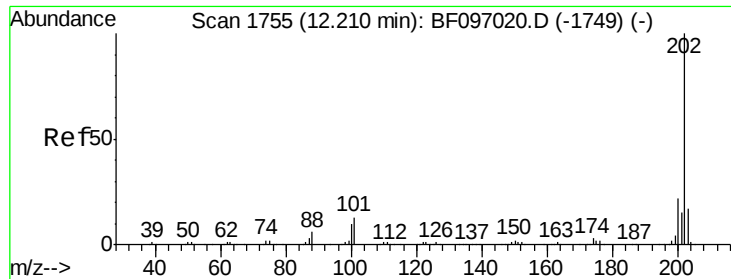


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

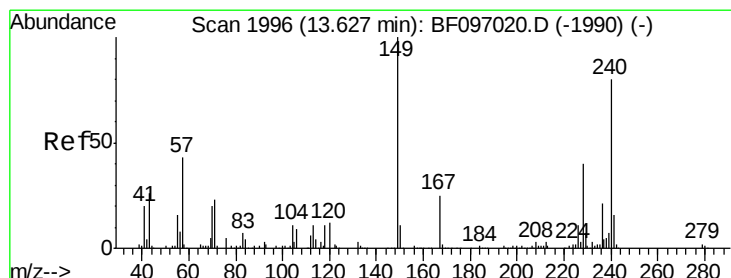
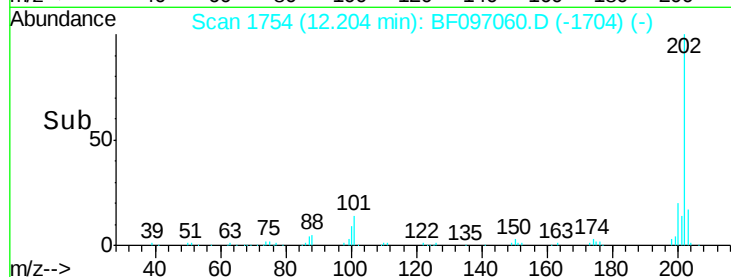
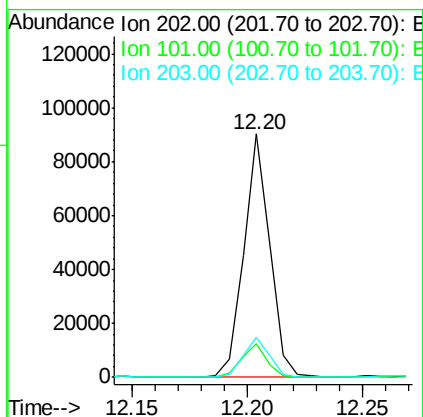
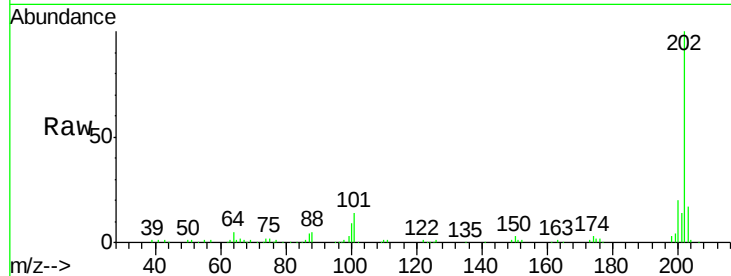




#74
 Fluoranthene
 Concen: 3.03 ng
 RT: 12.20 min Scan# 1754
 Delta R.T. -0.01 min
 Lab File: BF097060.D
 Acq: 26 Jul 2017 6:34

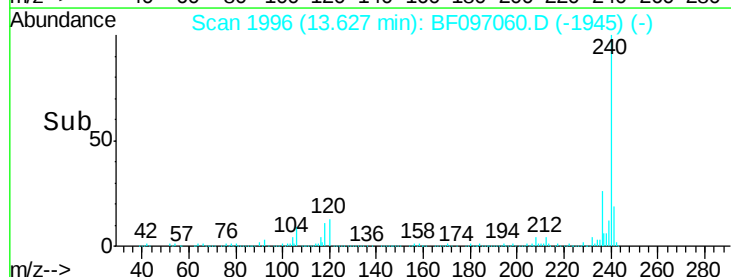
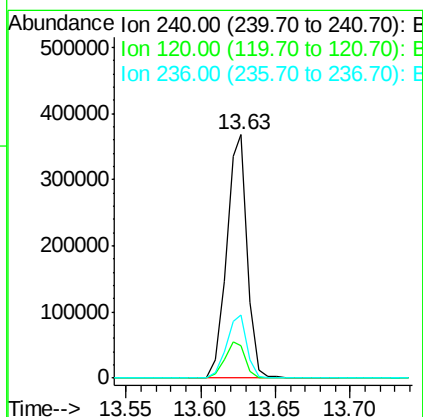
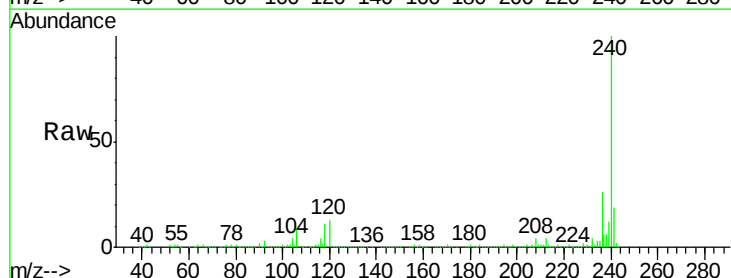
Instrument :
 BNA_F
 ClientSampleId :

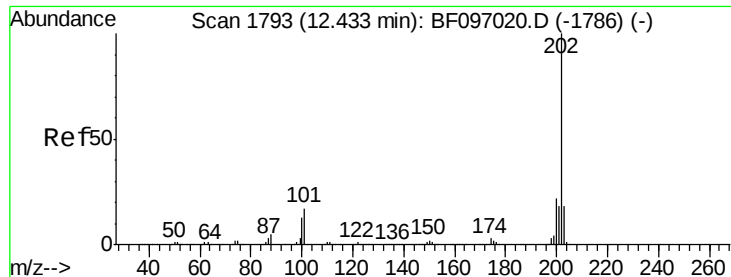
Tot Ion: 202 Resp: 70946
 Ion Ratio Lower Upper
 202 100
 101 14.1 0.0 33.2
 203 16.6 0.0 38.1



#75
 Chrysene-d12
 Concen: 20.00 ng
 RT: 13.63 min Scan# 1996
 Delta R.T. -0.00 min
 Lab File: BF097060.D
 Acq: 26 Jul 2017 6:34

Tgt Ion: 240 Resp: 358091
 Ion Ratio Lower Upper
 240 100
 120 13.1 5.8 8.8#
 236 26.0 20.5 30.7





#77

Pvrene

Concen: 2.44 ng

RT: 12.43 min Scan# 1792

Delta R.T. -0.01 min

Lab File: BF097060.D

Acq: 26 Jul 2017 6:34

Instrument :

BNA_F

ClientSampleId :

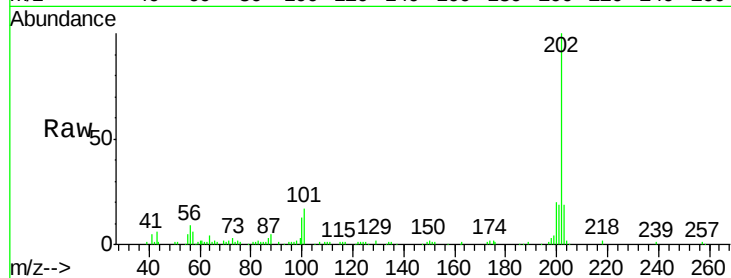
Tot Ion:202 Resp: 71394

Ion Ratio Lower Upper

202 100

200 20.3 17.6 26.4

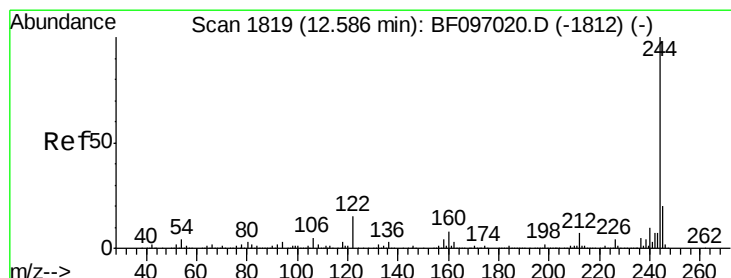
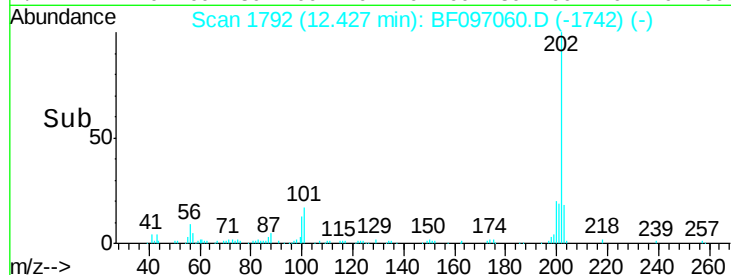
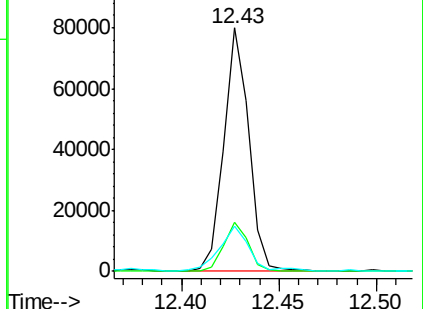
203 18.6 14.4 21.6



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



#78

Terphenyl-d14

Concen: 27.17 ng

RT: 12.59 min Scan# 1819

Delta R.T. -0.00 min

Lab File: BF097060.D

Acq: 26 Jul 2017 6:34

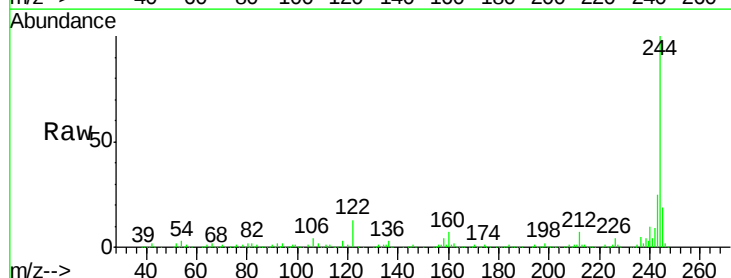
Tgt Ion:244 Resp: 477231

Ion Ratio Lower Upper

244 100

212 6.6 6.0 9.0

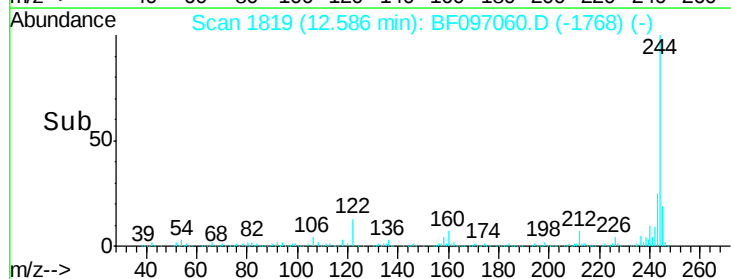
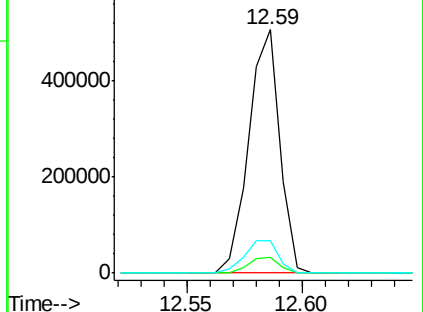
122 13.5 10.3 15.5

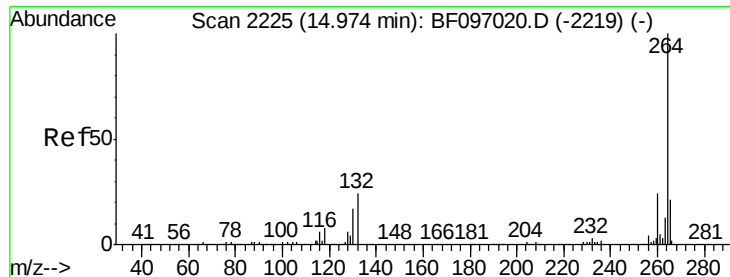


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

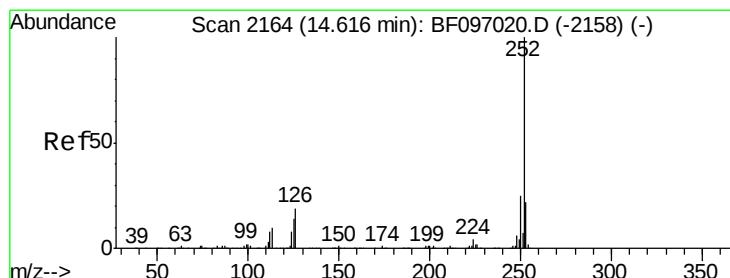
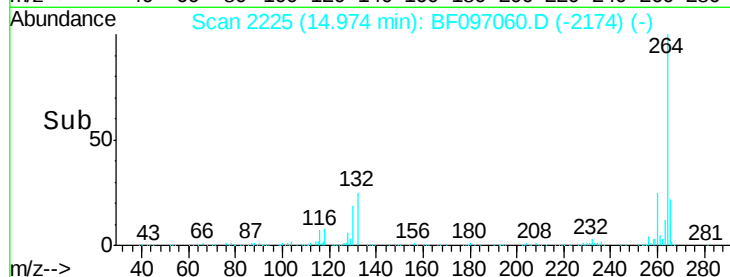
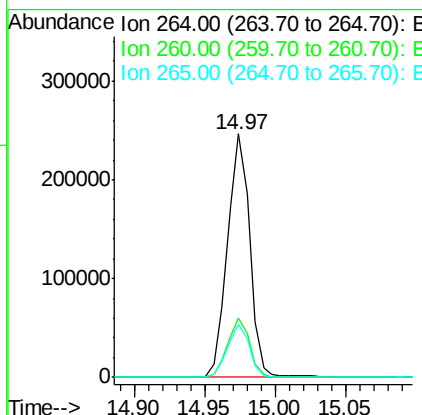
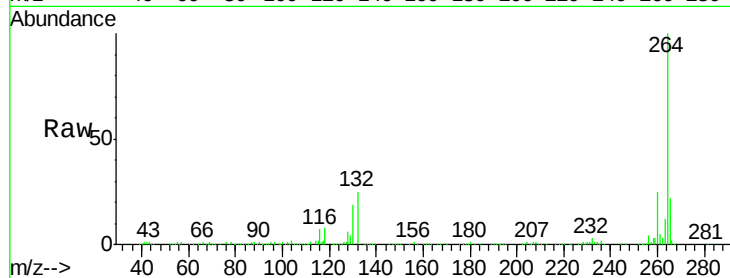




#86
Pervlene-d12
Concen: 20.00 ng
RT: 14.97 min Scan# 2225
Delta R.T. -0.00 min
Lab File: BF097060.D
Acq: 26 Jul 2017 6:34

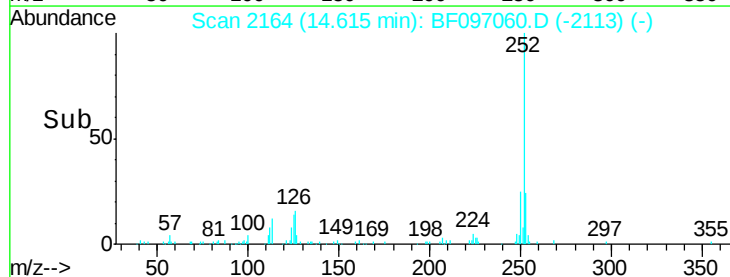
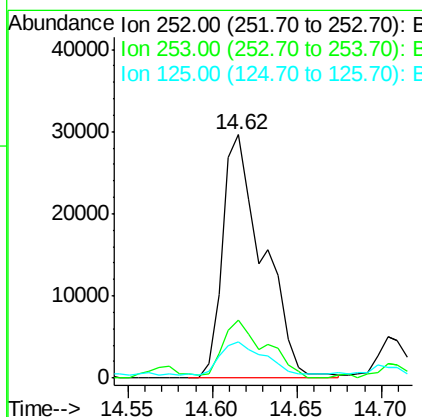
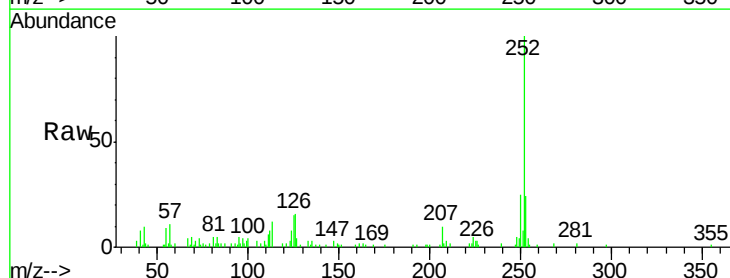
Instrument :
BNA_F
ClientSampleId :

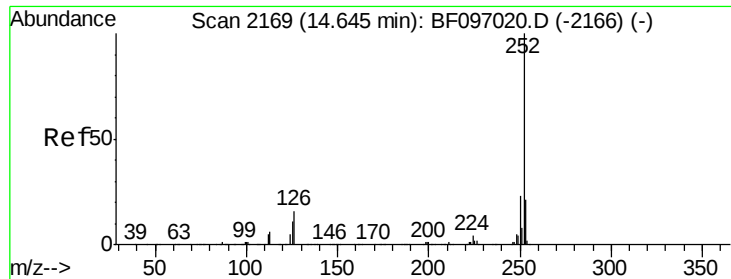
Tot Ion:264 Resp: 271103
Ion Ratio Lower Upper
264 100
260 24.6 19.5 29.3
265 21.7 17.2 25.8



#87
Benzo(b)fluoranthene
Concen: 3.03 ng
RT: 14.62 min Scan# 2164
Delta R.T. -0.00 min
Lab File: BF097060.D
Acq: 26 Jul 2017 6:34

Tgt Ion:252 Resp: 49390
Ion Ratio Lower Upper
252 100
253 24.0 18.1 27.1
125 15.1 9.8 14.8#





#88
 Benzo(k)fluoranthene
 Concen: 3.18 ng
 RT: 14.62 min Scan# 2164
 Delta R.T. -0.03 min
 Lab File: BF097060.D
 Acq: 26 Jul 2017 6:34

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.0	18.4	27.6
125	15.1	13.1	19.7

