

Data Path : Z:\HPCHEM1\BNA F\DATA\BF072517\
 Data File : BF097042.D
 Acq On : 25 Jul 2017 21:21
 Operator : SJ/JU
 Sample : I4362-01
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jul 26 01:06:00 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	160755	20.00	ng	0.00
21) Naphthalene-d8	7.79	136	362133	20.00	ng	0.00
38) Acenaphthene-d10	9.53	164	264235	20.00	ng	0.00
63) Phenanthrene-d10	11.00	188	400690	20.00	ng	0.00
75) Chrysene-d12	13.62	240	261664	20.00	ng	0.00
86) Perylene-d12	14.97	264	213359	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.24	112	453794	42.55	ng	0.14
7) Phenol-d6	6.16	99	348504	28.63	ng	0.00
23) Nitrobenzene-d5	7.07	82	640434	103.75	ng	0.00
41) 2,4,6-Tribromophenol	10.32	330	188527	90.30	ng	0.00
44) 2-Fluorobiphenyl	8.86	172	1020332	65.53	ng	0.00
78) Terphenyl-d14	12.59	244	730193	56.90	ng	0.00

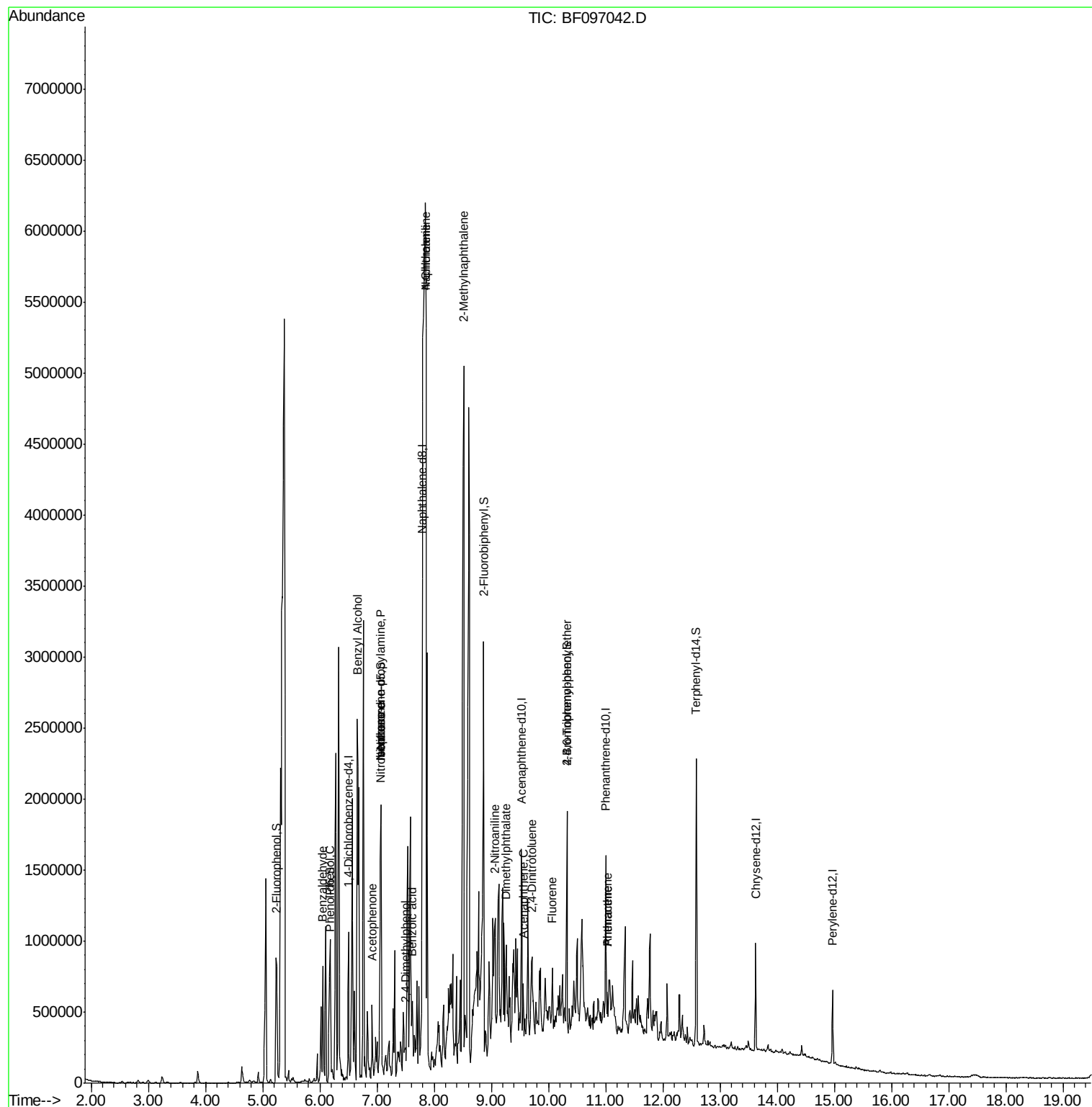
Target Compounds						Qvalue
9) Benzaldehyde	6.05	77	27974	3.88	ng	# 1
10) Phenol	6.18	94	32812	2.27	ng	# 20
15) Benzyl Alcohol	6.66	79	88109	11.43	ng	90
19) n-Nitroso-di-n-propylamine	7.07	70	88517	11.05	ng	# 87
22) Acetophenone	6.92	105	176563	20.30	ng	# 95
24) Nitrobenzene	7.06	77	53727	8.36	ng	# 47
25) Isophorone	7.07	82	598790	49.53	ng	# 67
27) 2,4-Dimethylphenol	7.50	122	64589	11.26	ng	# 86
31) Naphthalene	7.85	128	10048123	588.62	ng	98
32) Benzoic acid	7.62	122	146678	34.24	ng	# 67
33) 4-Chloroaniline	7.85	127	1443837	207.87	ng	# 35
37) 2-Methylnaphthalene	8.52	142	2441107	225.86	ng	97
47) 2-Nitroaniline	9.06	65	17746	2.94	ng	# 36
49) Dimethylphthalate	9.26	163	52026	2.59	ng	# 1
51) Acenaphthene	9.56	154	52877	3.52	ng	97
56) 2,4-Dinitrotoluene	9.72	165	14892	3.04	ng	# 38
57) Fluorene	10.07	166	88143	5.86	ng	97
66) 4-Bromophenyl-phenylether	10.32	248	12757	3.19	ng	# 1
70) Phenanthrene	11.03	178	91062	4.24	ng	99
71) Anthracene	11.03	178	91062	4.14	ng	99

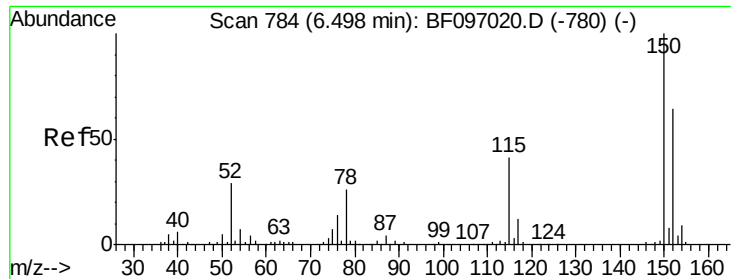
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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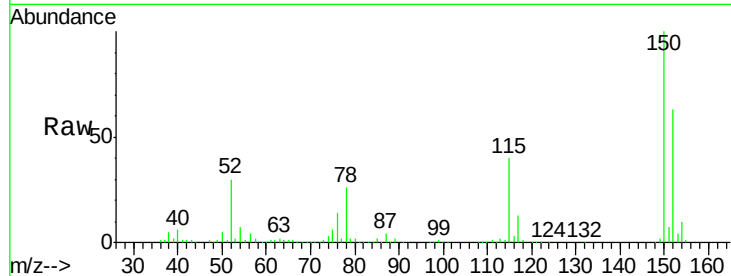


#1

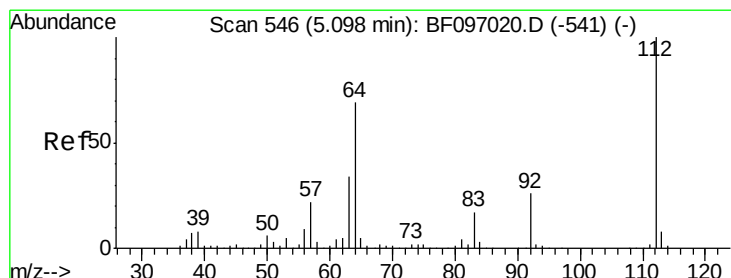
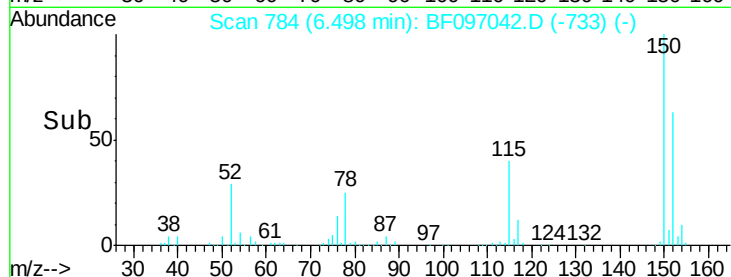
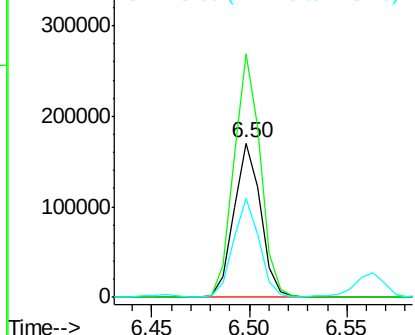
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.50 min Scan# 784
Delta R.T. -0.00 min
Lab File: BF097042.D
Acq: 25 Jul 2017 21:21

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 160755
Ion Ratio Lower Upper
152 100
150 157.6 126.2 189.2
115 63.7 52.2 78.2



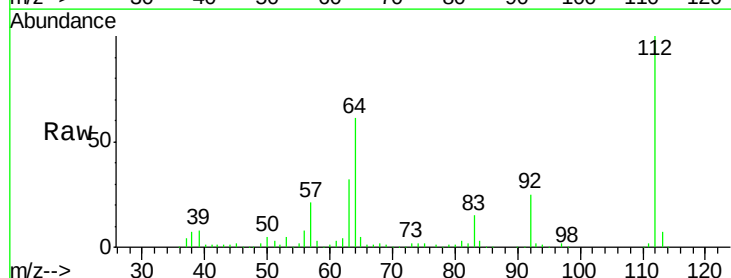
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



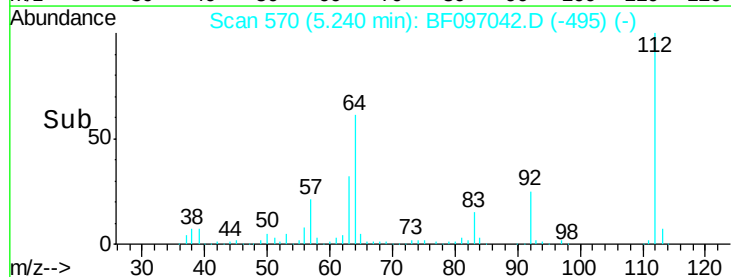
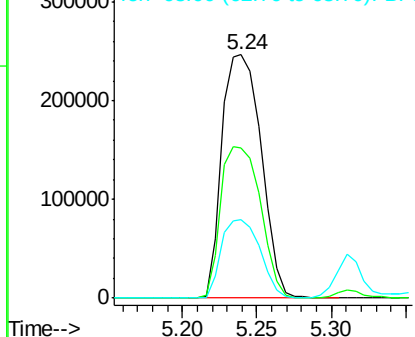
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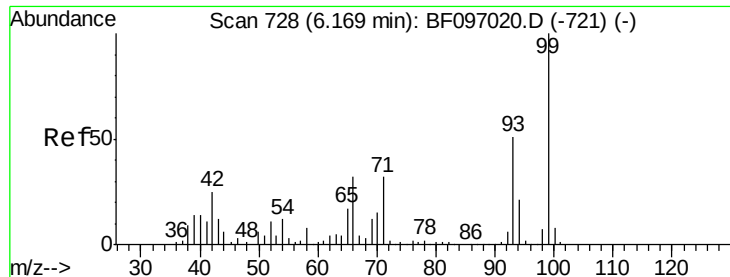
2-Fluorophenol
Concen: 42.55 ng
RT: 5.24 min Scan# 570
Delta R.T. 0.14 min
Lab File: BF097042.D
Acq: 25 Jul 2017 21:21

Tgt Ion:112 Resp: 453794
Ion Ratio Lower Upper
112 100
64 61.5 46.0 69.0
63 32.0 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: 28.63 ng

RT: 6.16 min Scan# 727

Delta R.T. -0.01 min

Lab File: BF097042.D

Acq: 25 Jul 2017 21:21

Instrument :

BNA_F

ClientSampleId :

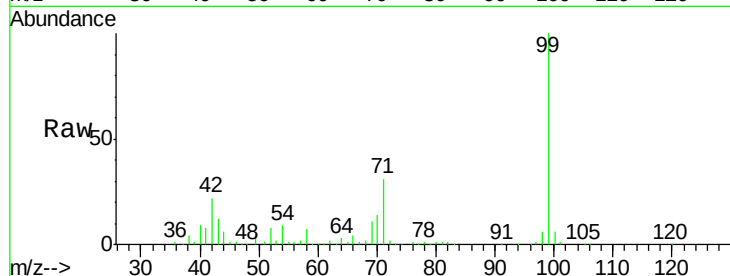
Tot Ion: 99 Resp: 348504

Ion Ratio Lower Upper

99 100

42 22.4 13.5 20.3#

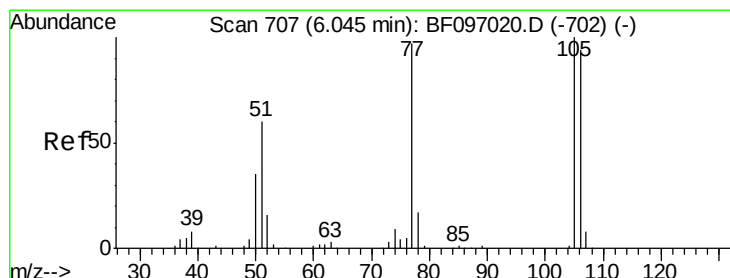
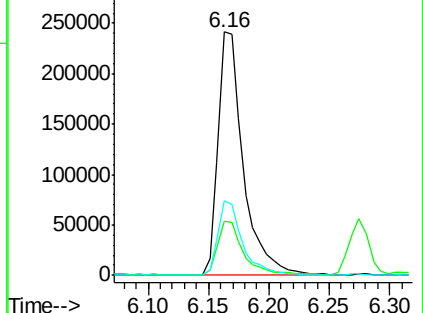
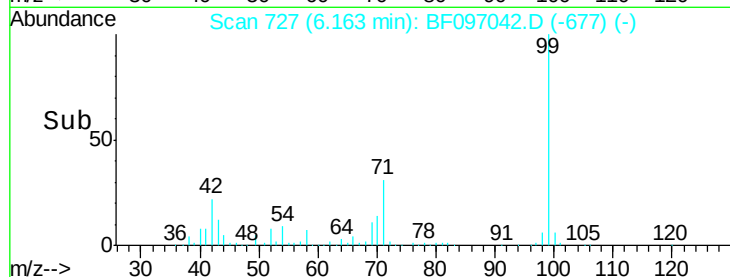
71 30.8 24.5 36.7



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



#9

Benzaldehyde

Concen: 3.88 ng

RT: 6.05 min Scan# 708

Delta R.T. 0.01 min

Lab File: BF097042.D

Acq: 25 Jul 2017 21:21

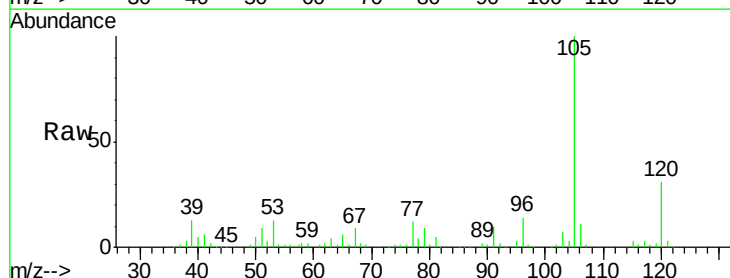
Tgt Ion: 77 Resp: 27974

Ion Ratio Lower Upper

77 100

105 819.2 83.8 123.8#

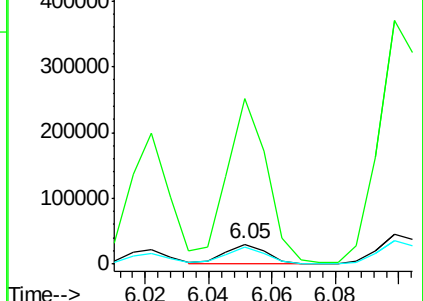
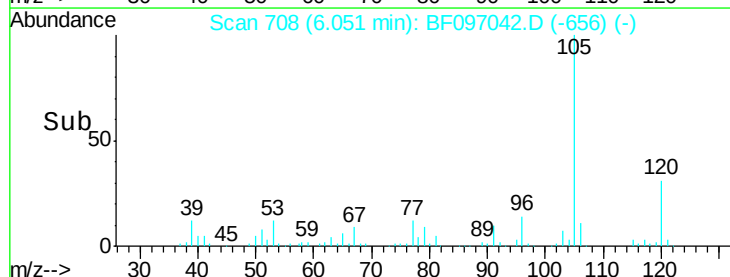
106 87.9 79.1 119.1

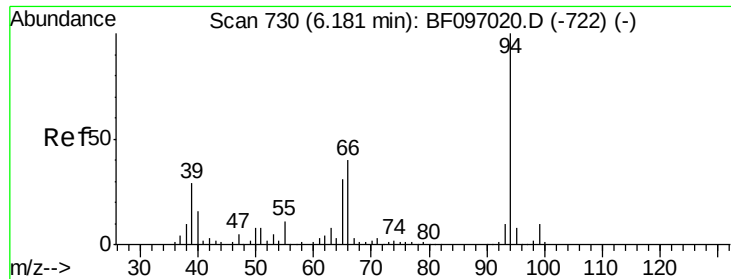


Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 105.00 (104.70 to 105.70): BF0

Ion 106.00 (105.70 to 106.70): BF0

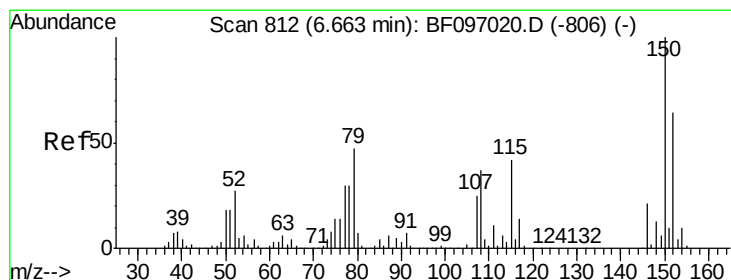
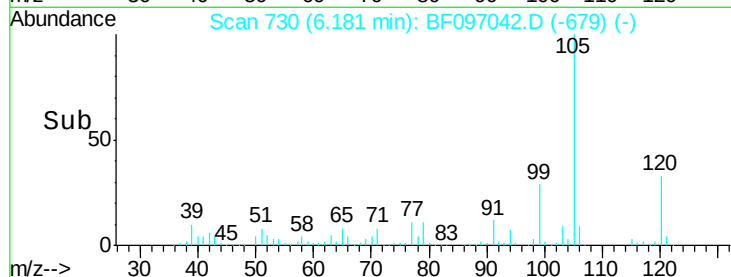
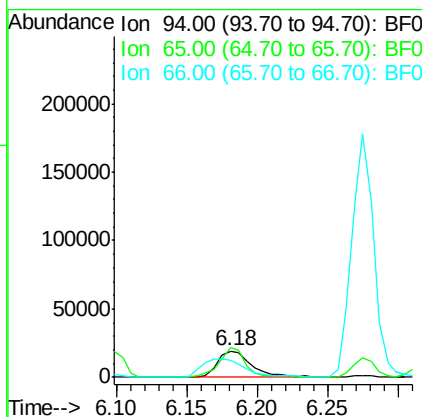
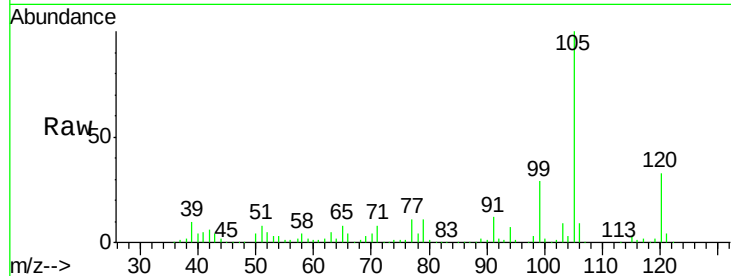




#10
Phenol
Concen: 2.27 ng
RT: 6.18 min Scan# 730
Delta R.T. -0.00 min
Lab File: BF097042.D
Acq: 25 Jul 2017 21:21

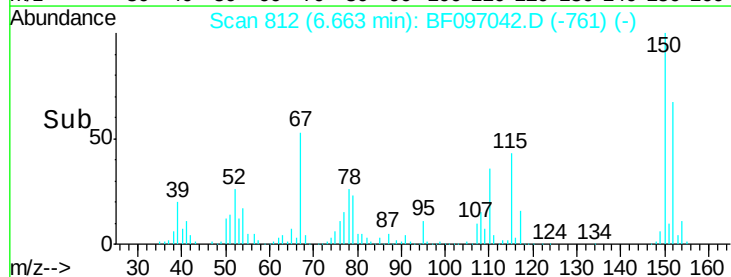
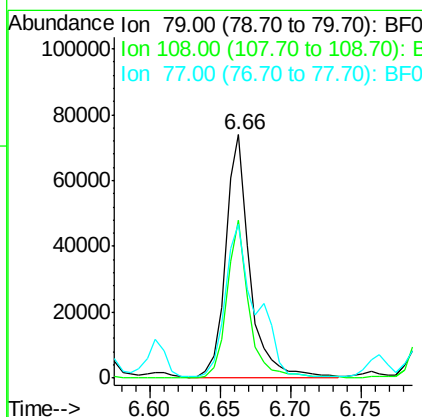
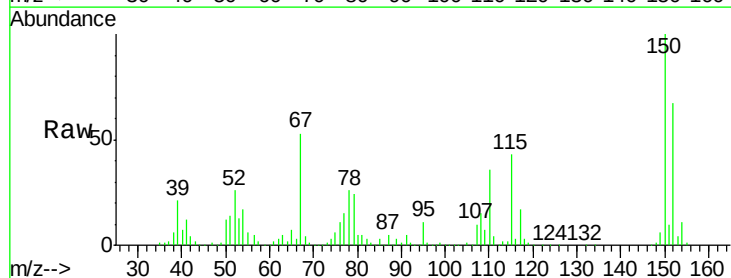
Instrument :
BNA_F
ClientSampleId :

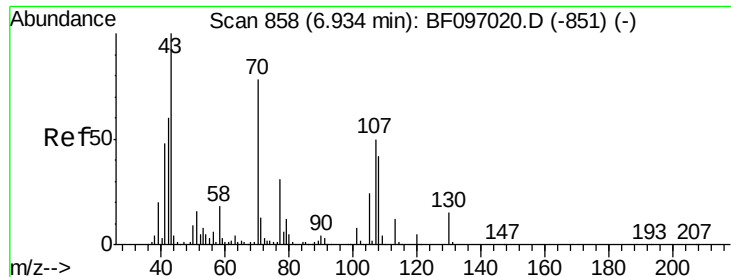
Tot Ion: 94 Resp: 32812
Ion Ratio Lower Upper
94 100
65 112.5 9.9 49.9#
66 62.5 23.1 63.1



#15
Benzyl Alcohol
Concen: 11.43 ng
RT: 6.66 min Scan# 812
Delta R.T. -0.00 min
Lab File: BF097042.D
Acq: 25 Jul 2017 21:21

Tgt Ion: 79 Resp: 88109
Ion Ratio Lower Upper
79 100
108 64.9 63.4 95.0
77 63.3 49.2 73.8

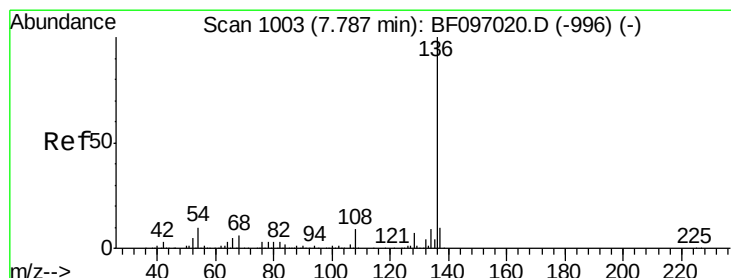
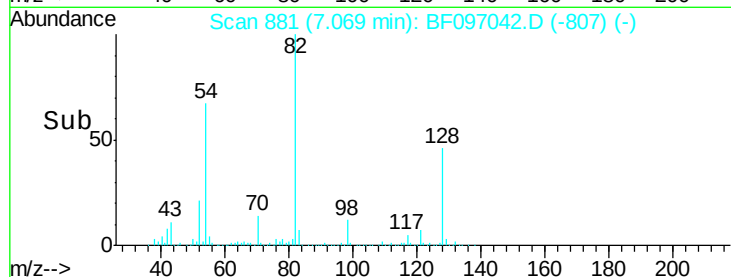
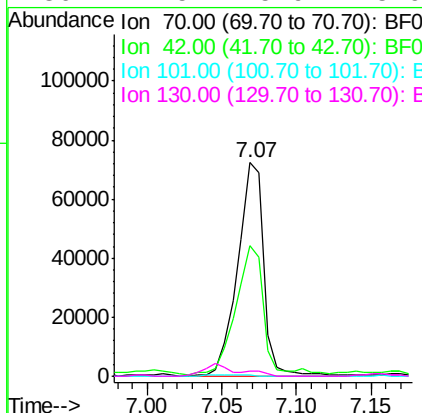
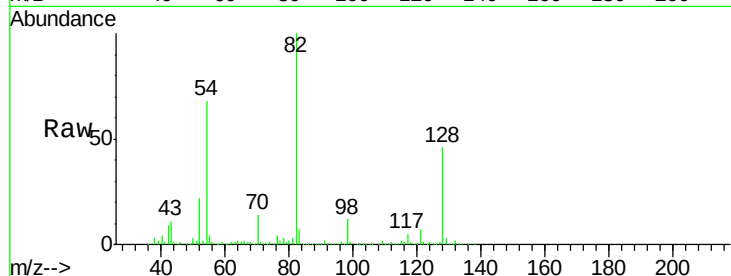




#19
n-Nitroso-di-n-propylamine
Concen: 11.05 ng
RT: 7.07 min Scan# 881
Delta R.T. 0.14 min
Lab File: BF097042.D
Acq: 25 Jul 2017 21:21

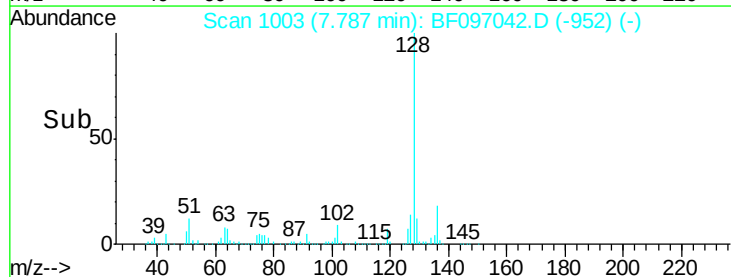
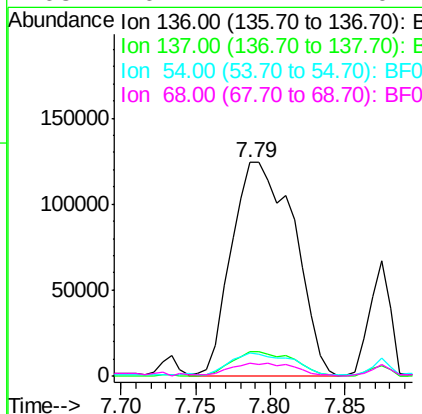
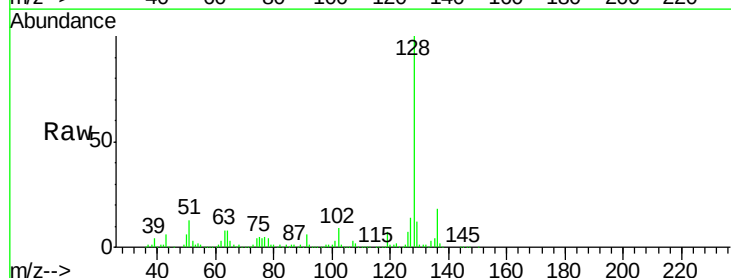
Instrument :
BNA_F
ClientSampled :

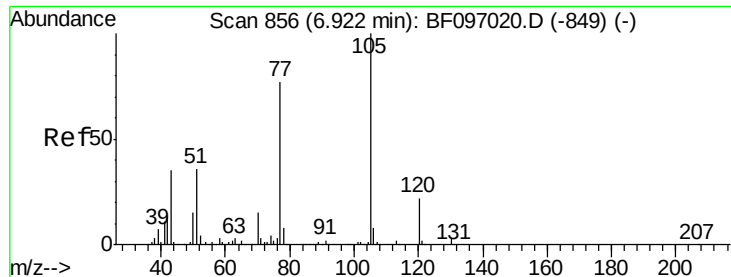
Tot Ion: 70 Resp: 88517
Ion Ratio Lower Upper
70 100
42 61.3 47.2 70.8
101 0.8 7.2 10.8#
130 2.5 15.9 23.9#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.79 min Scan# 1003
Delta R.T. -0.00 min
Lab File: BF097042.D
Acq: 25 Jul 2017 21:21

Tgt Ion:136 Resp: 362133
Ion Ratio Lower Upper
136 100
137 11.3 8.5 12.7
54 10.6 4.9 7.3#
68 6.2 4.1 6.1#

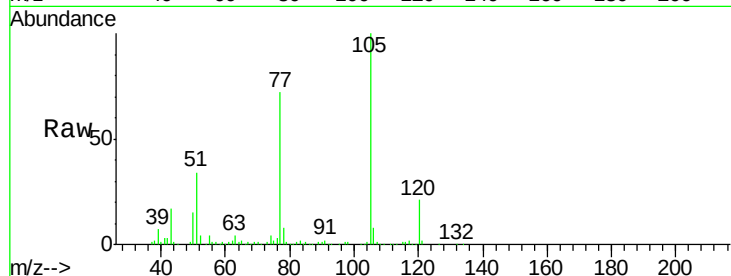




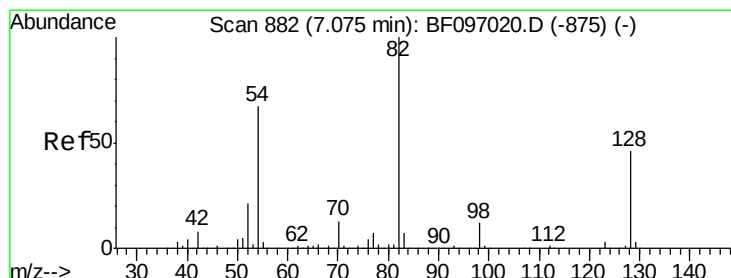
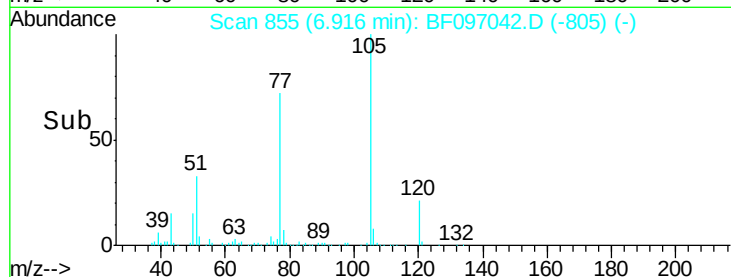
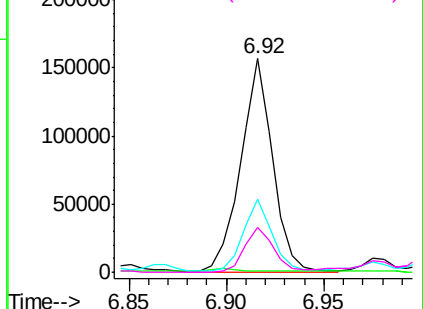
#22
Acetophenone
Concen: 20.30 ng
RT: 6.92 min Scan# 855
Delta R.T. -0.01 min
Lab File: BF097042.D
Acq: 25 Jul 2017 21:21

Instrument :
BNA_F
ClientSampled :

Tot Ion:105 Resp: 176563
Ion Ratio Lower Upper
105 100
71 0.4 2.8 4.2#
51 33.9 30.7 46.1
120 21.1 17.4 26.0

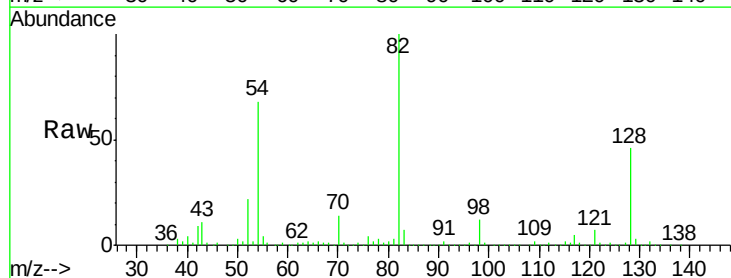


Abundance Ion 105.00 (104.70 to 105.70): E
Ion 71.00 (70.70 to 71.70): BF0
Ion 51.00 (50.70 to 51.70): BF0
Ion 120.00 (119.70 to 120.70): E

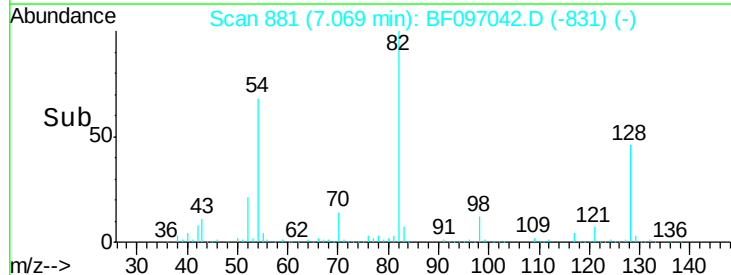
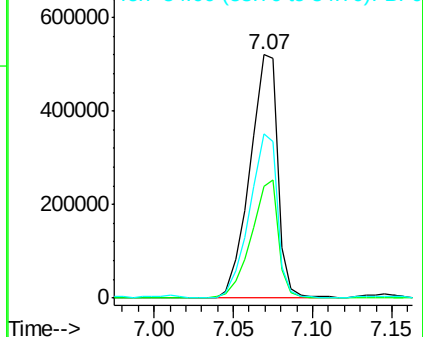


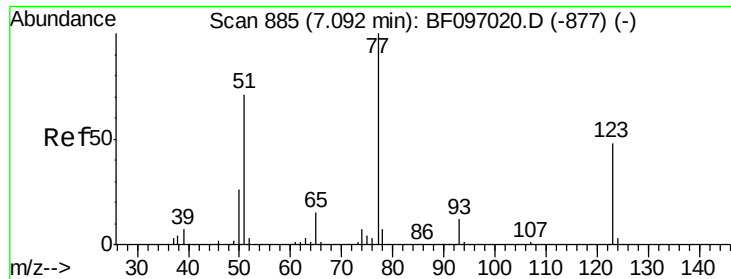
#23
Nitrobenzene-d5
Concen: 103.75 ng
RT: 7.07 min Scan# 881
Delta R.T. -0.01 min
Lab File: BF097042.D
Acq: 25 Jul 2017 21:21

Tgt Ion: 82 Resp: 640434
Ion Ratio Lower Upper
82 100
128 45.8 34.0 51.0
54 67.6 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

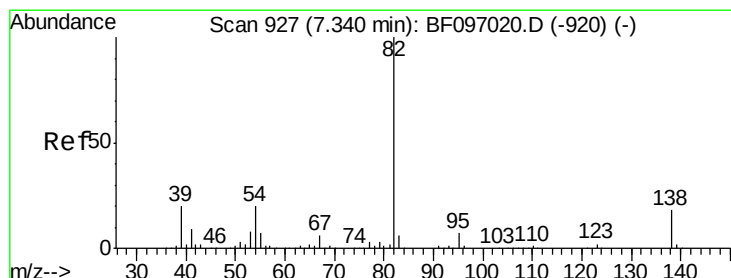
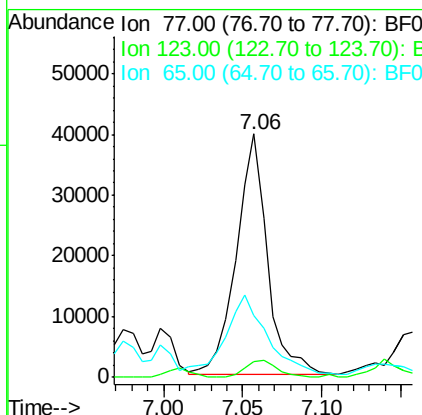
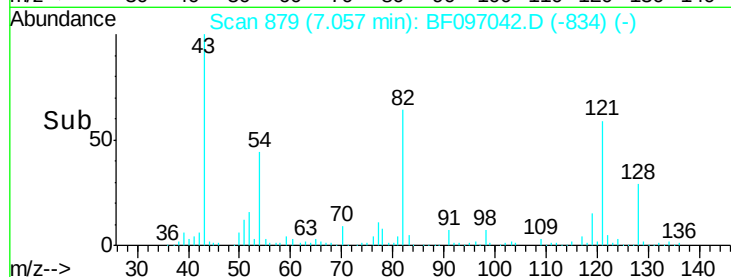
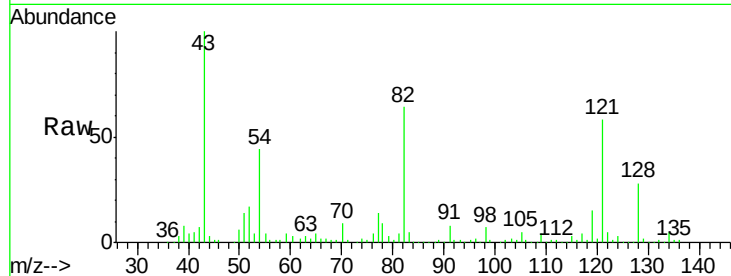




#24
 Nitrobenzene
 Concen: 8.36 ng
 RT: 7.06 min Scan# 879
 Delta R.T. -0.04 min
 Lab File: BF097042.D
 Acq: 25 Jul 2017 21:21

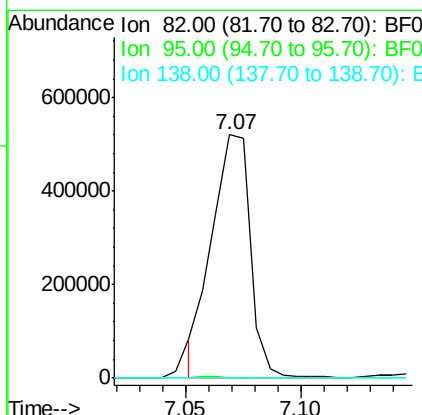
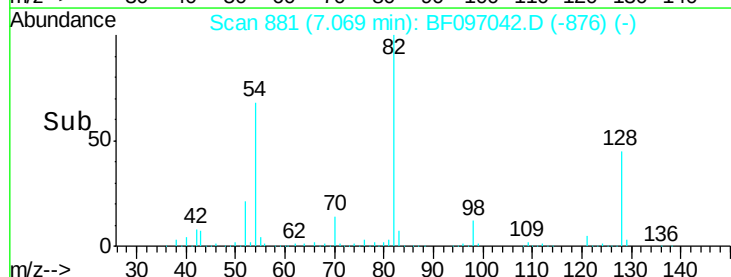
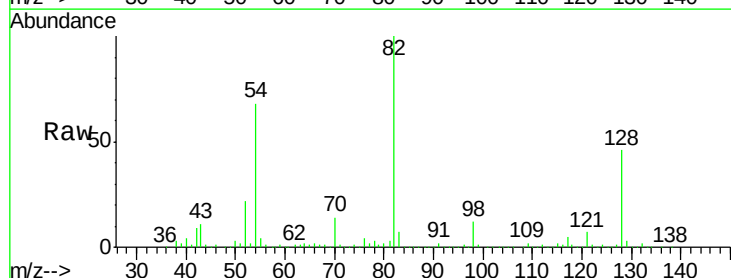
Instrument :
 BNA_F
 ClientSampled :

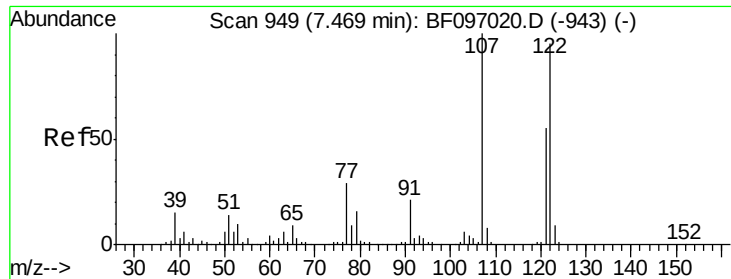
Tot Ion	Ratio	Lower	Upper
77	100		
123	6.4	35.8	53.8#
65	25.7	10.6	15.8#



#25
 Isophorone
 Concen: 49.53 ng
 RT: 7.07 min Scan# 881
 Delta R.T. -0.27 min
 Lab File: BF097042.D
 Acq: 25 Jul 2017 21:21

Tgt Ion	Ratio	Lower	Upper
82	100		
95	0.2	5.3	7.9#
138	0.1	13.1	19.7#

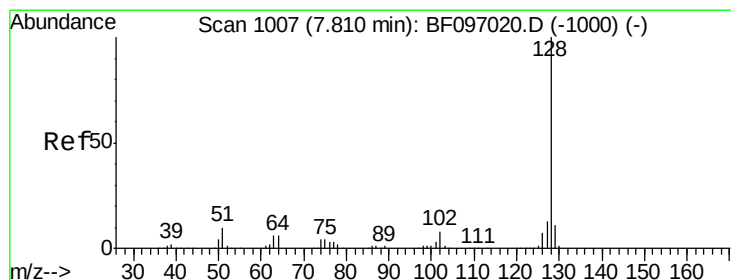
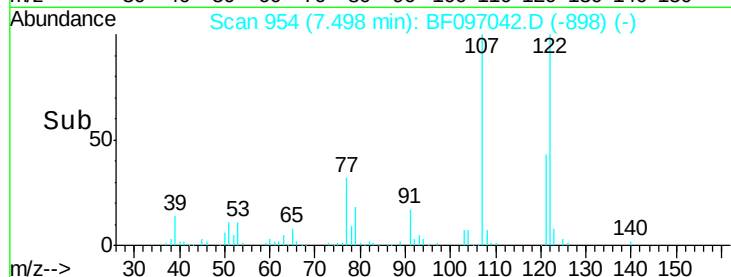
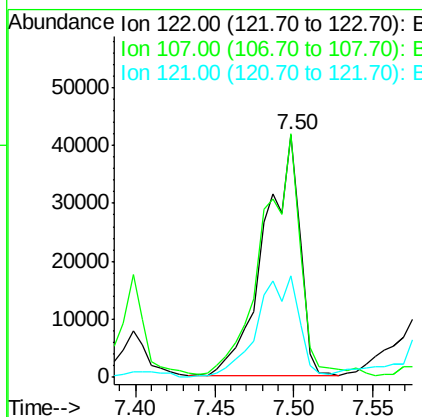
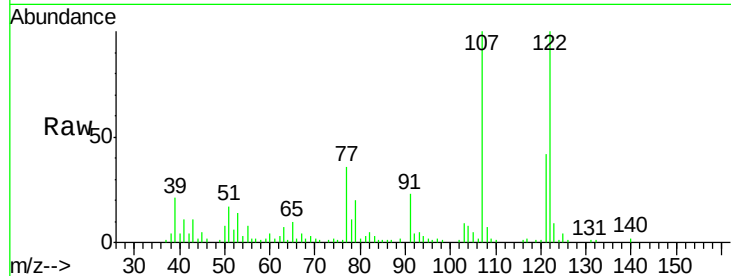




#27
2,4-Dimethylphenol
Concen: 11.26 ng
RT: 7.50 min Scan# 954
Delta R.T. 0.03 min
Lab File: BF097042.D
Acq: 25 Jul 2017 21:21

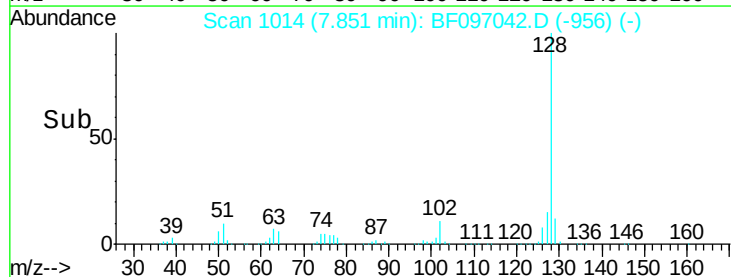
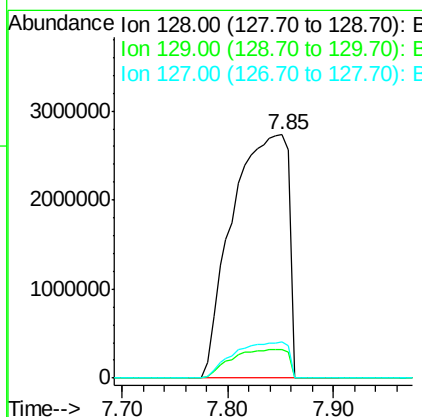
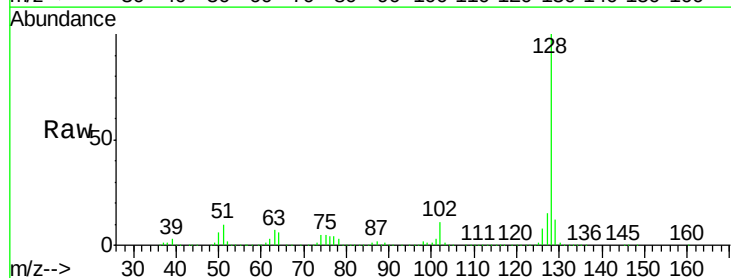
Instrument :
BNA_F
ClientSampled :

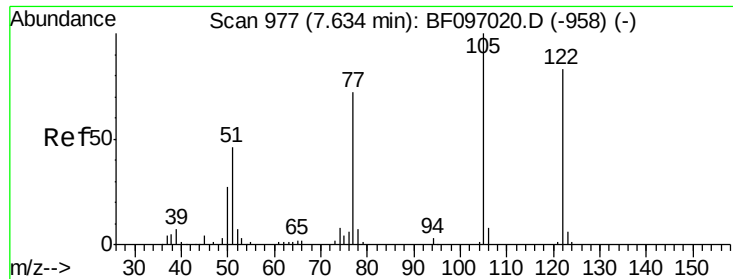
Tot Ion:122 Resp: 64589
Ion Ratio Lower Upper
122 100
107 100.4 89.2 133.8
121 42.1 45.2 67.8#



#31
Naphthalene
Concen: 588.62 ng
RT: 7.85 min Scan# 1014
Delta R.T. 0.04 min
Lab File: BF097042.D
Acq: 25 Jul 2017 21:21

Tgt Ion:128 Resp:10048123
Ion Ratio Lower Upper
128 100
129 11.7 9.0 13.6
127 14.8 10.8 16.2

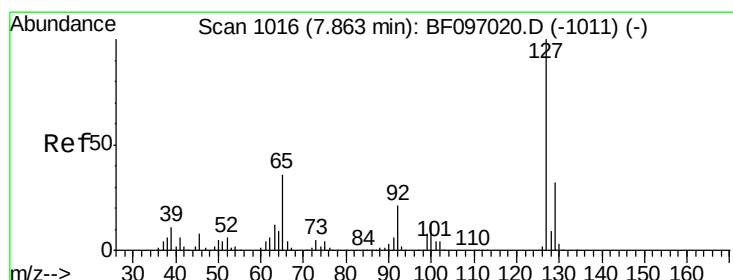
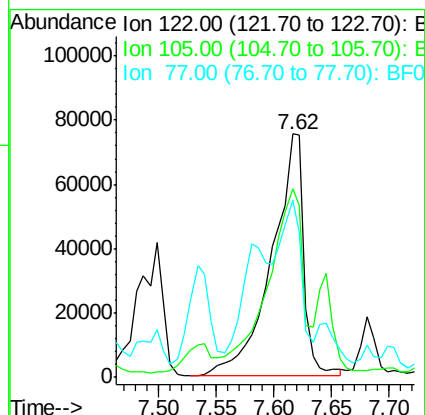
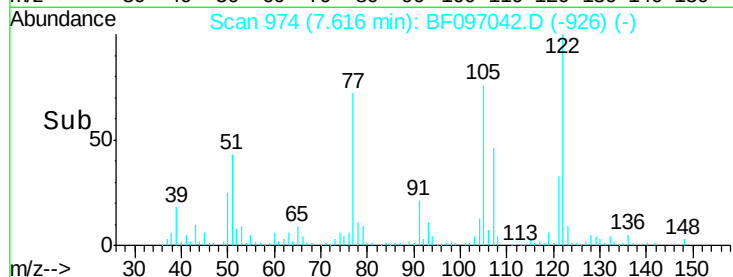
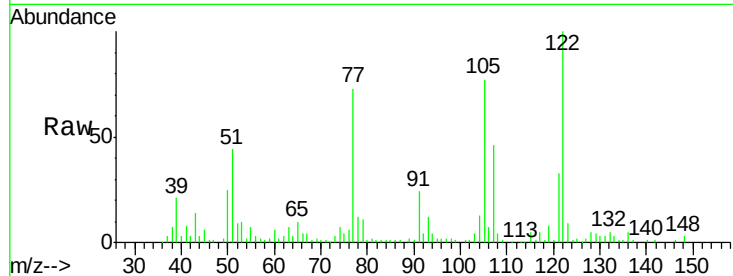




#32
Benzoic acid
Concen: 34.24 ng
RT: 7.62 min Scan# 974
Delta R.T. -0.02 min
Lab File: BF097042.D
Acq: 25 Jul 2017 21:21

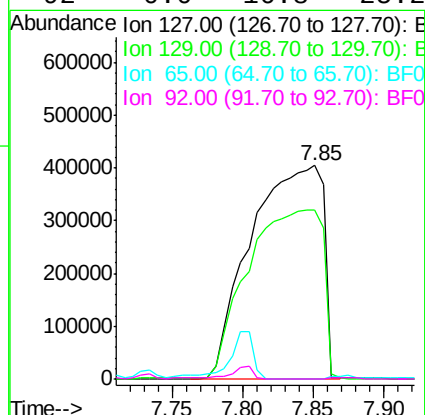
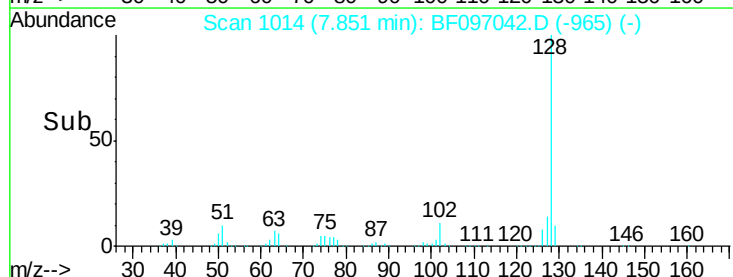
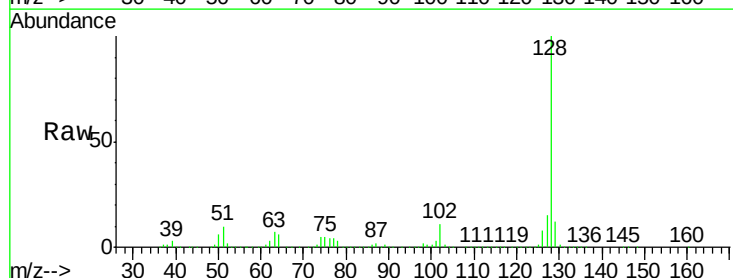
Instrument :
BNA_F
ClientSampleId :

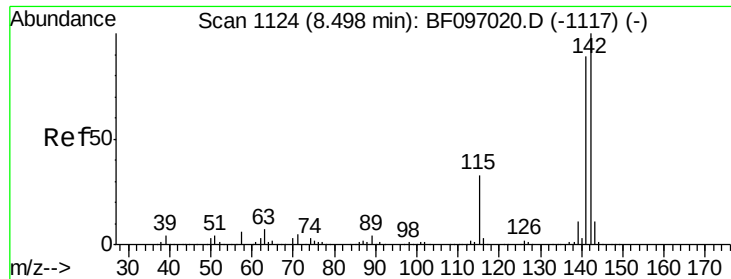
Tot Ion:122 Resp: 146678
Ion Ratio Lower Upper
122 100
105 77.3 103.3 143.3#
77 72.5 73.7 113.7#



#33
4-Chloroaniline
Concen: 207.87 ng
RT: 7.85 min Scan# 1014
Delta R.T. -0.01 min
Lab File: BF097042.D
Acq: 25 Jul 2017 21:21

Tgt Ion:127 Resp: 1443837
Ion Ratio Lower Upper
127 100
129 79.1 26.2 39.2#
65 0.0 27.8 41.8#
92 0.0 16.8 25.2#

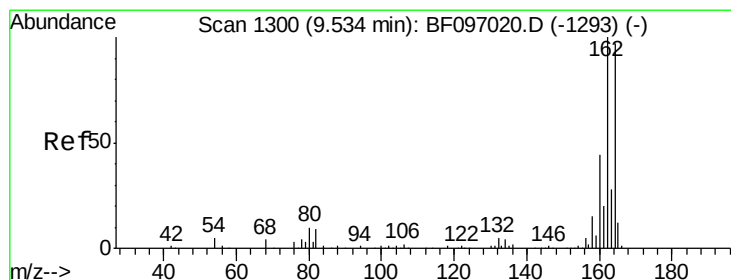
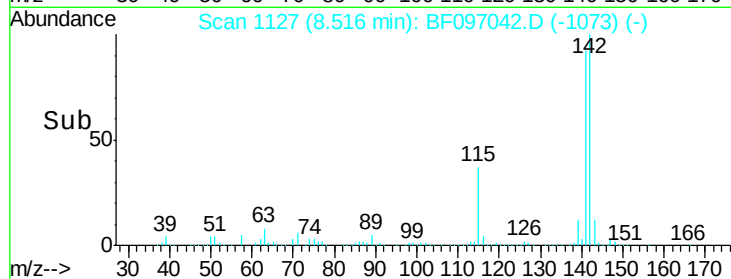
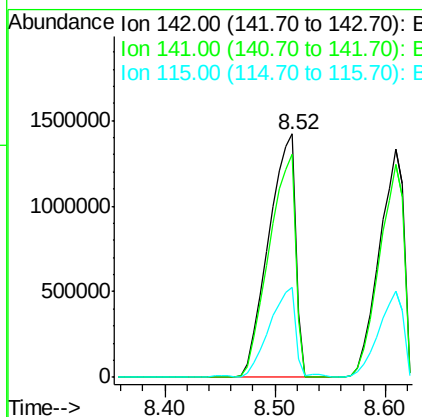
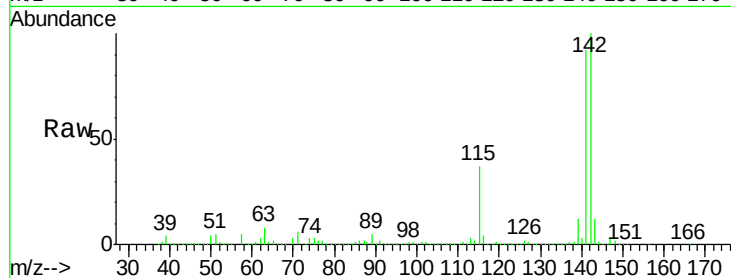




#37
 2-Methylnaphthalene
 Concen: 225.86 ng
 RT: 8.52 min Scan# 1127
 Delta R.T. 0.02 min
 Lab File: BF097042.D
 Acq: 25 Jul 2017 21:21

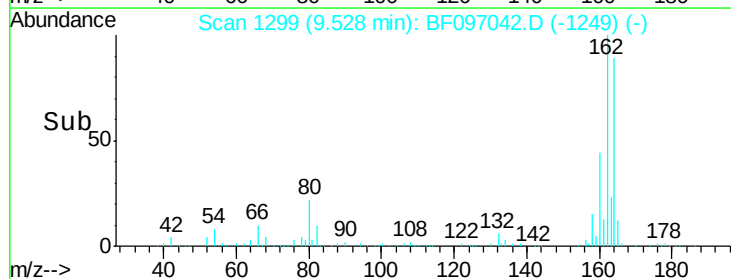
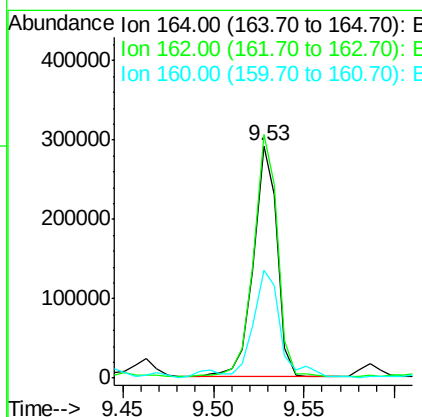
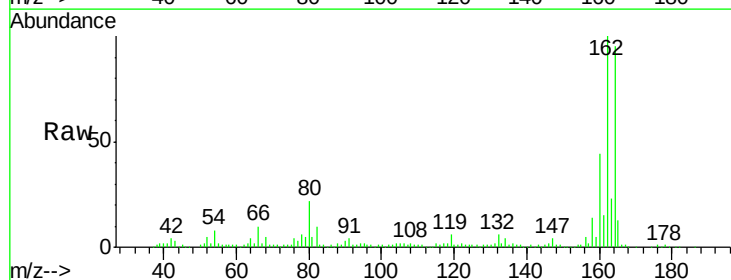
Instrument :
 BNA_F
 ClientSampleId :

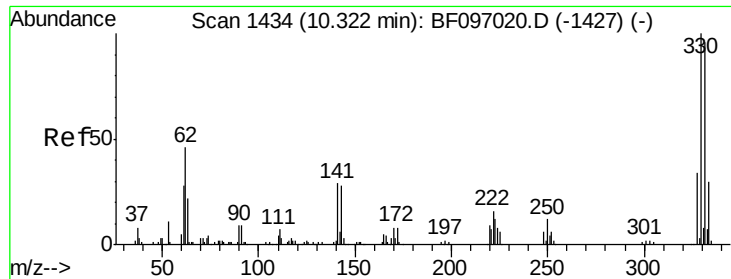
Tot Ion:142 Resp: 2441107
 Ion Ratio Lower Upper
 142 100
 141 91.5 71.3 106.9
 115 37.0 27.1 40.7



#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.53 min Scan# 1299
 Delta R.T. -0.01 min
 Lab File: BF097042.D
 Acq: 25 Jul 2017 21:21

Tgt Ion:164 Resp: 264235
 Ion Ratio Lower Upper
 164 100
 162 104.9 82.6 123.8
 160 46.3 36.2 54.2

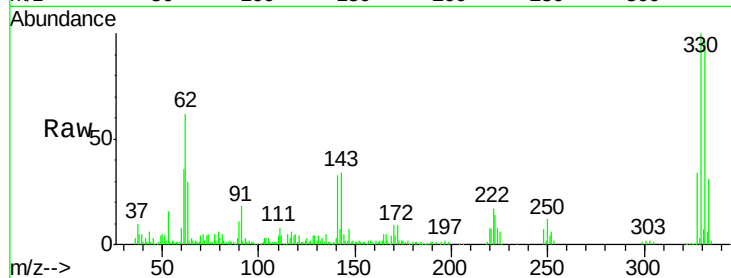




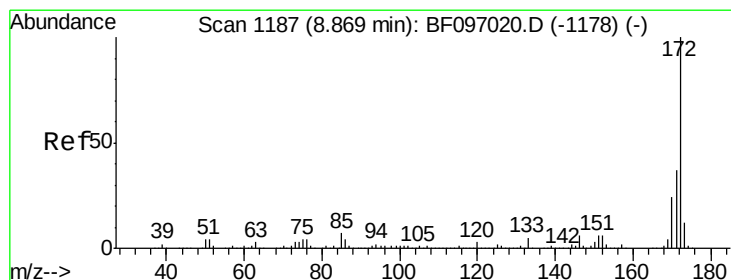
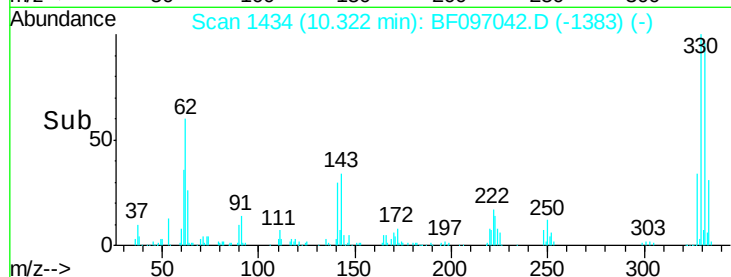
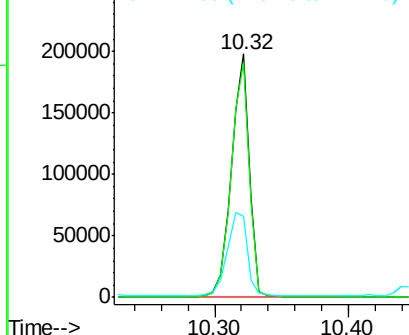
#41
 2,4,6-Tribromophenol
 Concen: 90.30 ng
 RT: 10.32 min Scan# 1434
 Delta R.T. -0.00 min
 Lab File: BF097042.D
 Acq: 25 Jul 2017 21:21

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	97.1	76.6	115.0
141	38.3	31.4	47.2

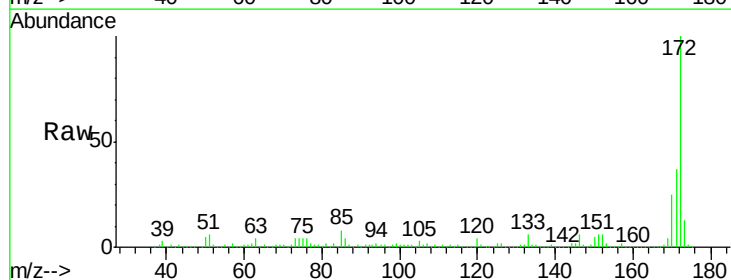


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

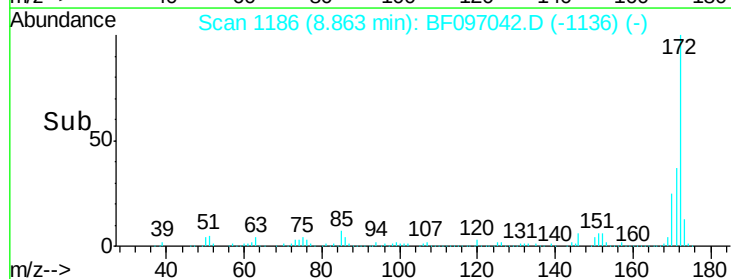
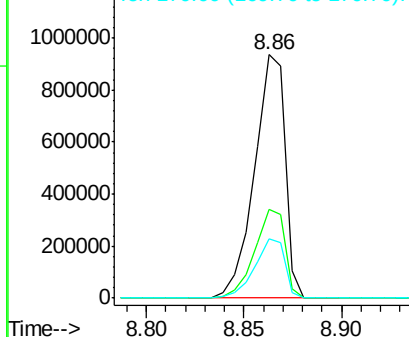


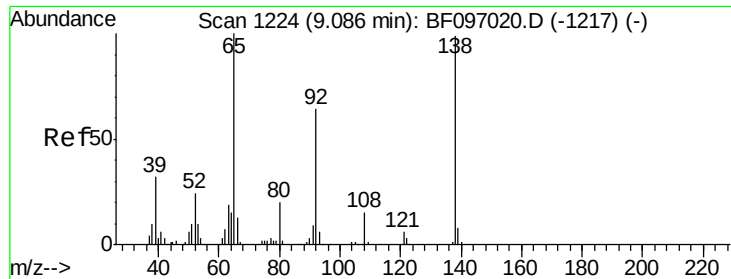
#44
 2-Fluorobiphenyl
 Concen: 65.53 ng
 RT: 8.86 min Scan# 1186
 Delta R.T. -0.01 min
 Lab File: BF097042.D
 Acq: 25 Jul 2017 21:21

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.7	29.6	44.4
170	24.5	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

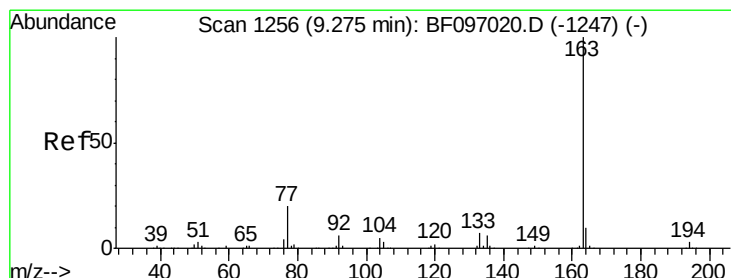
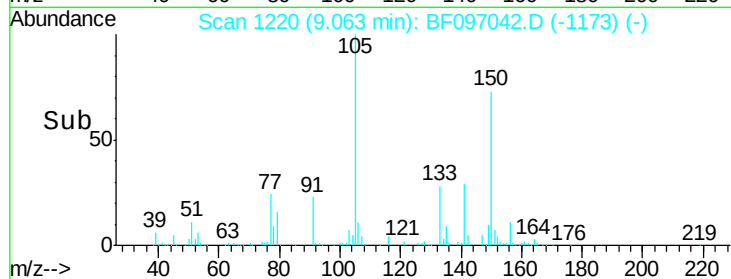
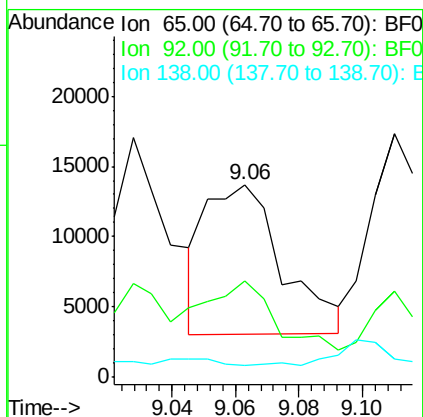
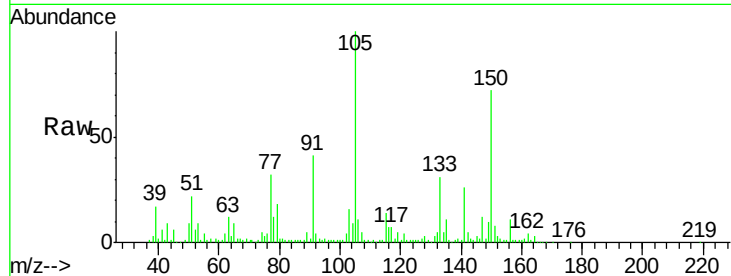




#47
2-Nitroaniline
Concen: 2.94 ng
RT: 9.06 min Scan# 1220
Delta R.T. -0.02 min
Lab File: BF097042.D
Acq: 25 Jul 2017 21:21

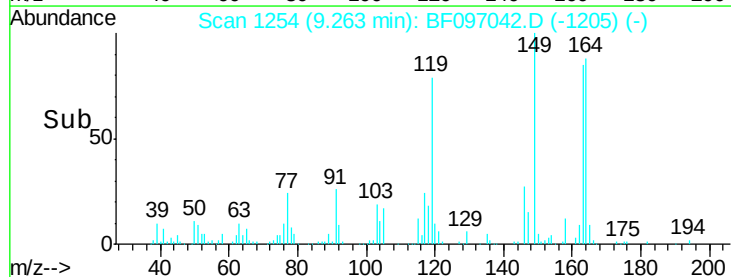
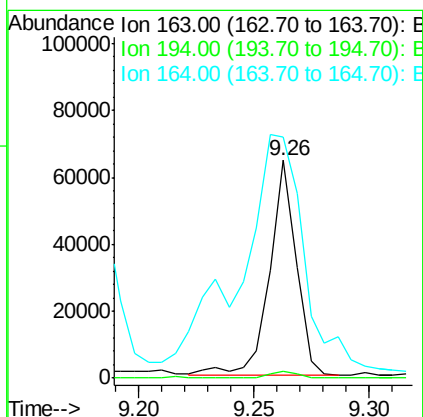
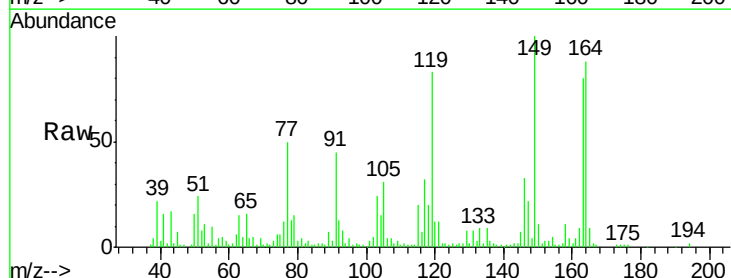
Instrument :
BNA_F
ClientSampled :

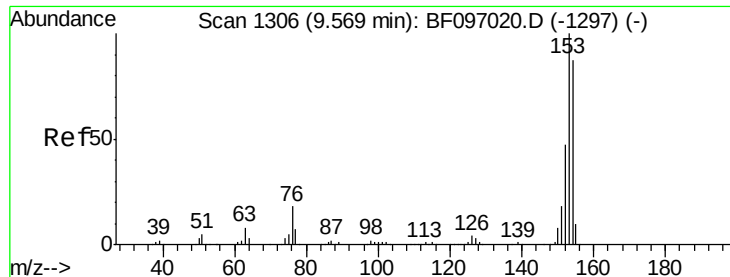
Tot Ion: 65 Resp: 17746
Ion Ratio Lower Upper
65 100
92 50.1 53.9 80.9#
138 5.9 78.8 118.2#



#49
Dimethylphthalate
Concen: 2.59 ng
RT: 9.26 min Scan# 1254
Delta R.T. -0.01 min
Lab File: BF097042.D
Acq: 25 Jul 2017 21:21

Tgt Ion: 163 Resp: 52026
Ion Ratio Lower Upper
163 100
194 3.1 2.6 4.0
164 110.6 8.4 12.6#





#51

Acenaphthene

Concen: 3.52 ng

RT: 9.56 min Scan# 1304

Delta R.T. -0.01 min

Lab File: BF097042.D

Acq: 25 Jul 2017 21:21

Instrument :

BNA_F

ClientSampleId :

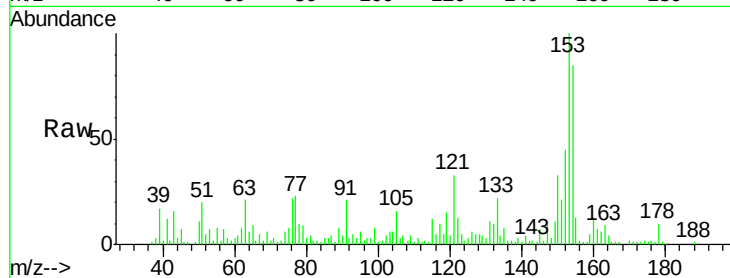
Tot Ion:154 Resp: 52877

Ion Ratio Lower Upper

154 100

153 117.9 90.5 135.7

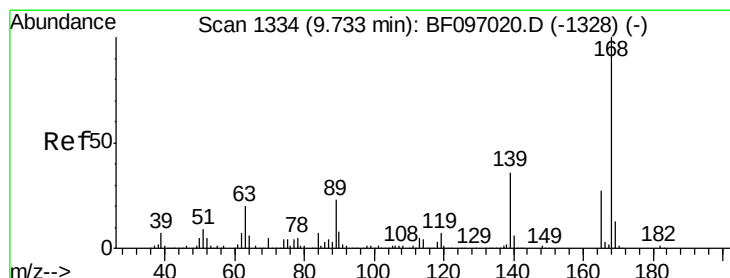
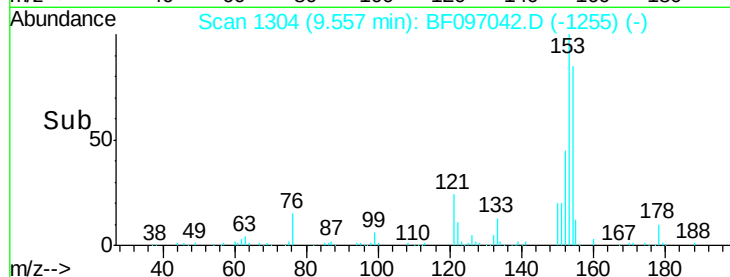
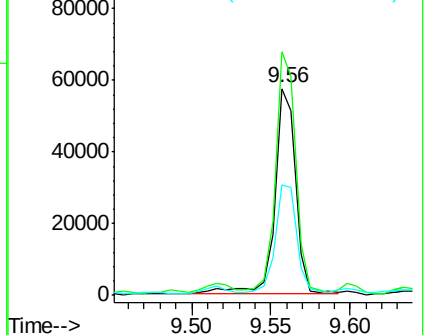
152 53.6 43.6 65.4



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



#56

2,4-Dinitrotoluene

Concen: 3.04 ng

RT: 9.72 min Scan# 1331

Delta R.T. -0.02 min

Lab File: BF097042.D

Acq: 25 Jul 2017 21:21

Tgt Ion:165 Resp: 14892

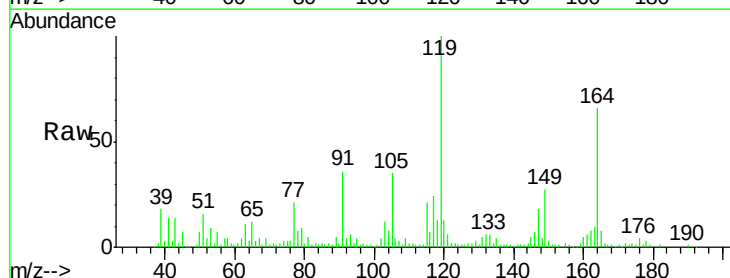
Ion Ratio Lower Upper

165 100

63 126.6 25.4 38.0#

89 55.2 46.4 69.6

182 9.6 1.8 2.6#

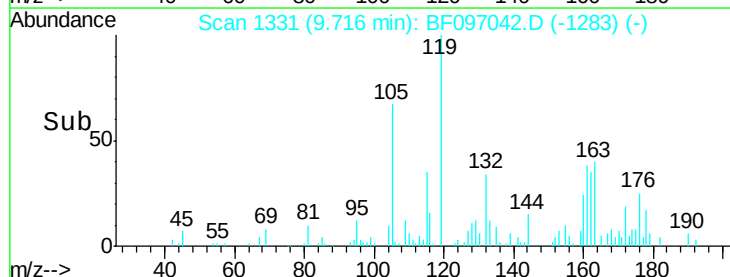
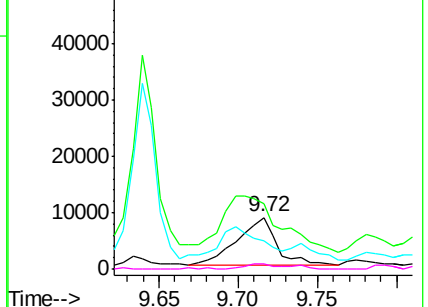


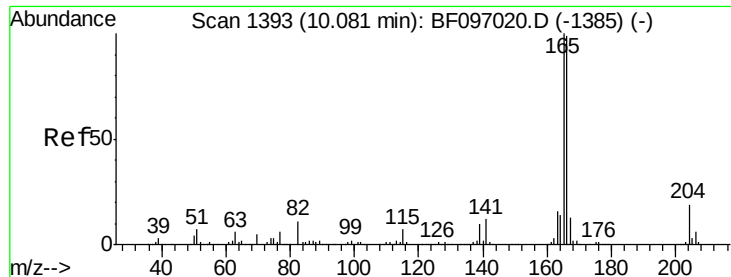
Abundance Ion 165.00 (164.70 to 165.70): E

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





#57

Fluorene

Concen: 5.86 ng

RT: 10.07 min Scan# 1392

Delta R.T. -0.01 min

Lab File: BF097042.D

Acq: 25 Jul 2017 21:21

Instrument :

BNA_F

ClientSampleId :

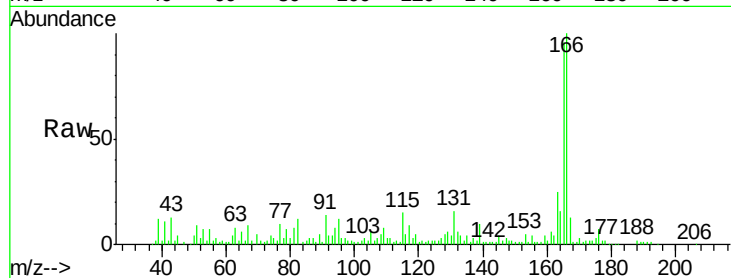
Tot Ion:166 Resp: 88143

Ion Ratio Lower Upper

166 100

165 95.6 78.8 118.2

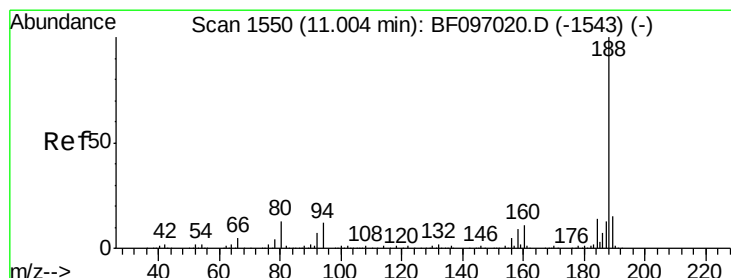
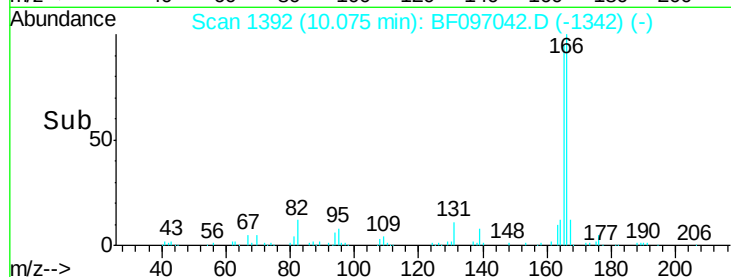
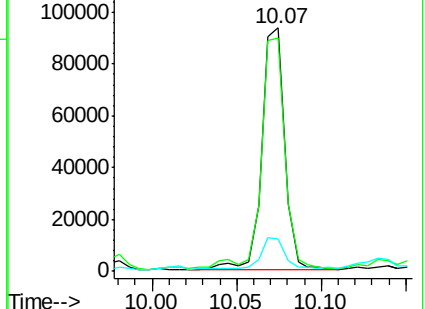
167 13.2 10.6 16.0



Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.00 min Scan# 1550

Delta R.T. -0.00 min

Lab File: BF097042.D

Acq: 25 Jul 2017 21:21

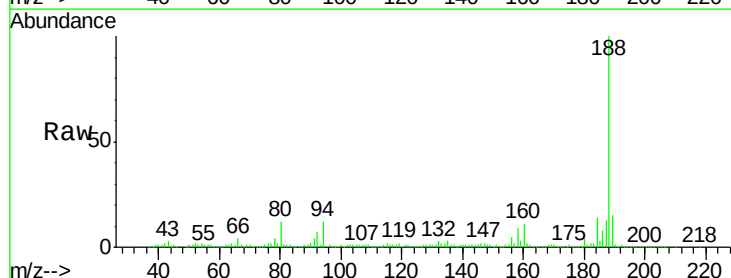
Tgt Ion:188 Resp: 400690

Ion Ratio Lower Upper

188 100

94 11.9 9.4 14.2

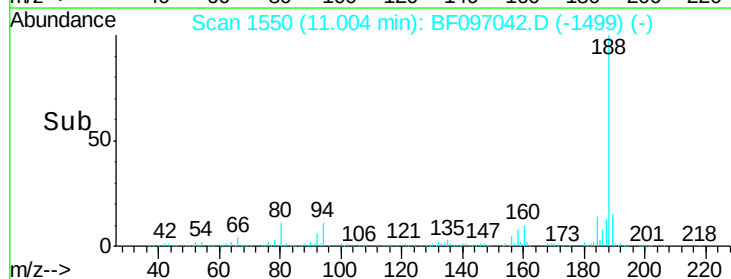
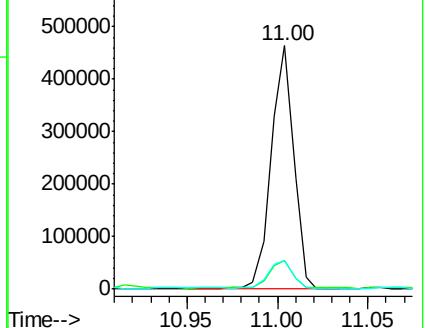
80 11.7 10.2 15.2

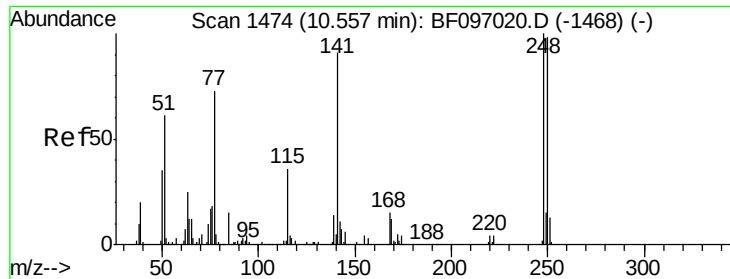


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0

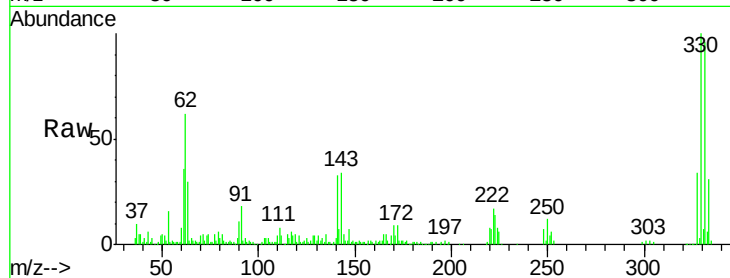




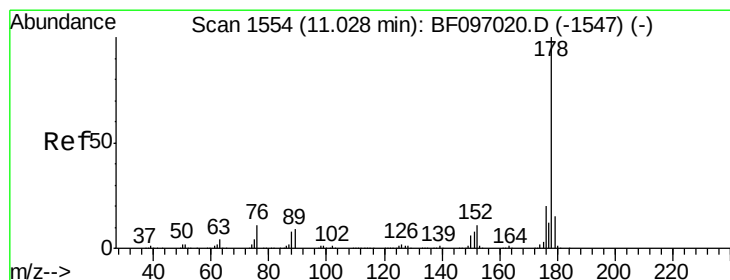
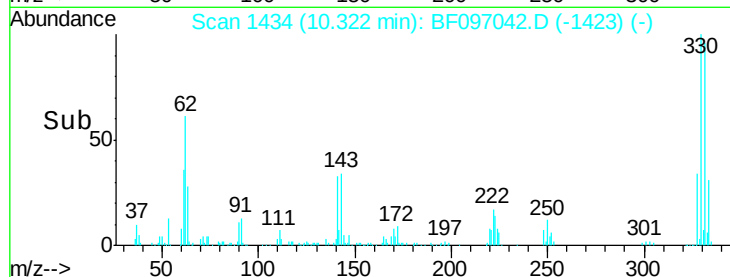
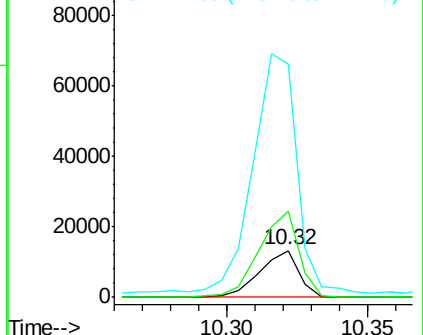
#66
 4-Bromophenyl-phenylether
 Concen: 3.19 ng
 RT: 10.32 min Scan# 1434
 Delta R.T. -0.24 min
 Lab File: BF097042.D
 Acq: 25 Jul 2017 21:21

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:248 Resp: 12757
 Ion Ratio Lower Upper
 248 100
 250 183.3 76.8 115.2#
 141 500.1 68.6 103.0#

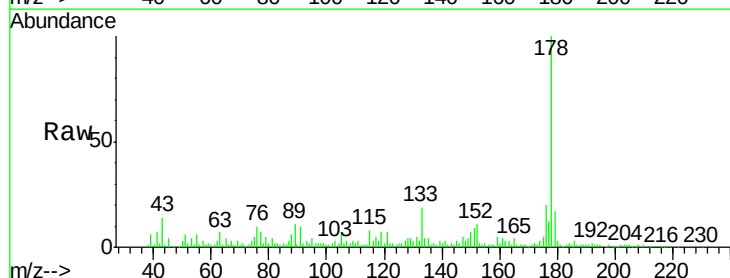


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

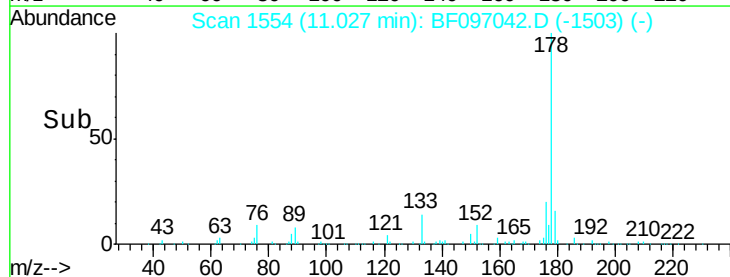
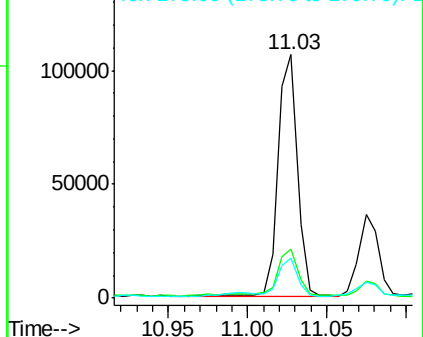


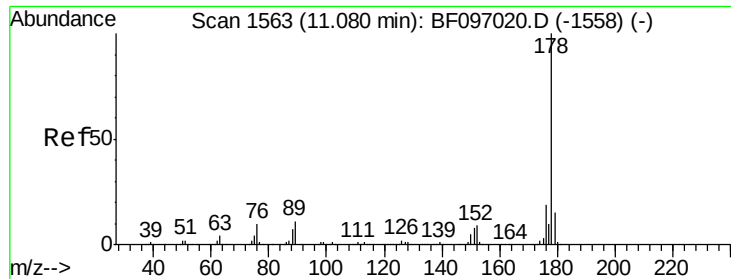
#70
 Phenanthrene
 Concen: 4.24 ng
 RT: 11.03 min Scan# 1554
 Delta R.T. -0.00 min
 Lab File: BF097042.D
 Acq: 25 Jul 2017 21:21

Tgt Ion:178 Resp: 91062
 Ion Ratio Lower Upper
 178 100
 176 20.1 16.2 24.4
 179 16.6 12.6 19.0



Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E





#71

Anthracene

Concen: 4.14 ng

RT: 11.03 min Scan# 1554

Delta R.T. -0.05 min

Lab File: BF097042.D

Acq: 25 Jul 2017 21:21

Instrument :

BNA_F

ClientSampleId :

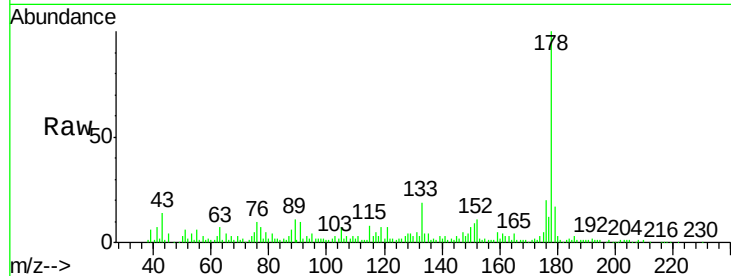
Tot Ion:178 Resp: 91062

Ion Ratio Lower Upper

178 100

176 20.1 15.8 23.8

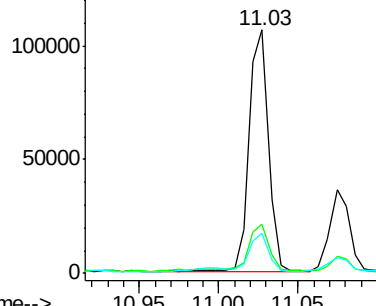
179 16.6 12.7 19.1



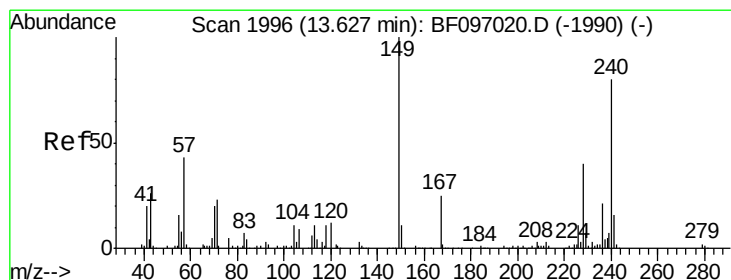
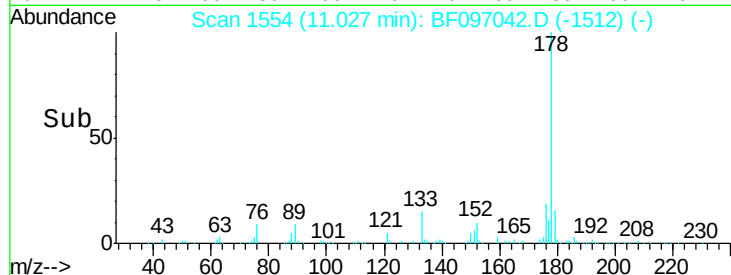
Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



Time-->



#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.62 min Scan# 1995

Delta R.T. -0.01 min

Lab File: BF097042.D

Acq: 25 Jul 2017 21:21

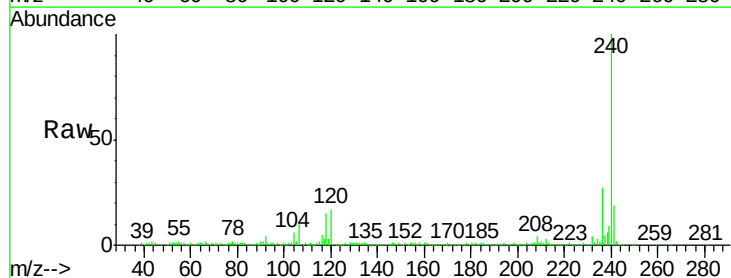
Tgt Ion:240 Resp: 261664

Ion Ratio Lower Upper

240 100

120 16.6 5.8 8.8#

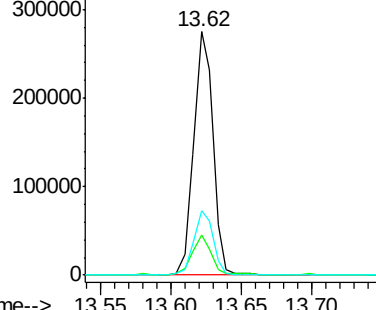
236 26.6 20.5 30.7



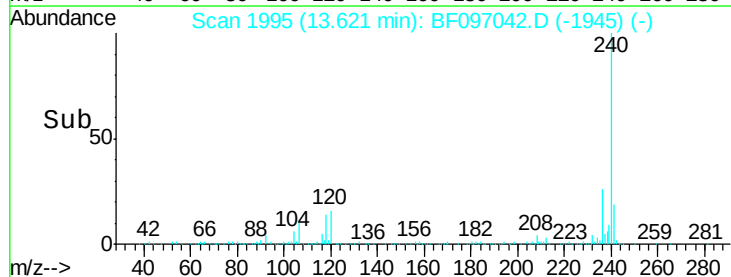
Abundance Ion 240.00 (239.70 to 240.70): E

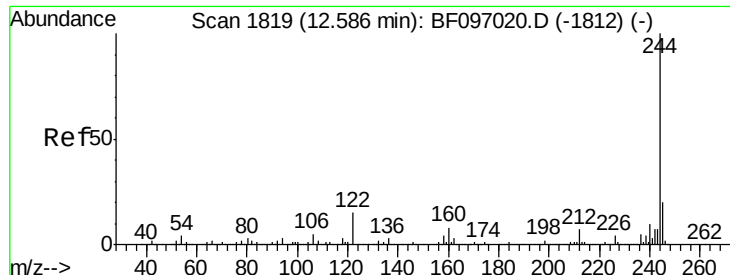
Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



Time-->

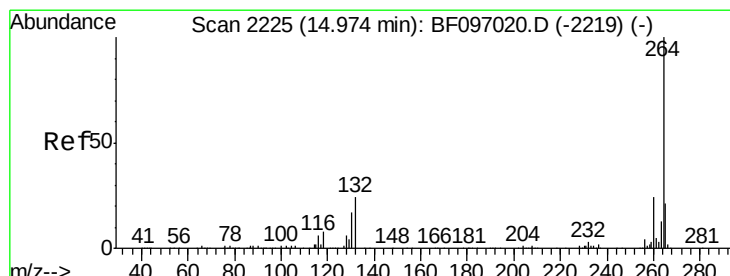
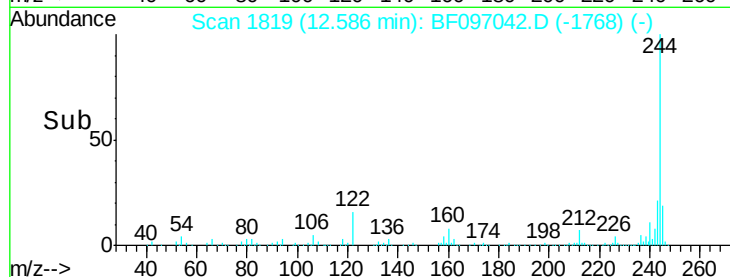
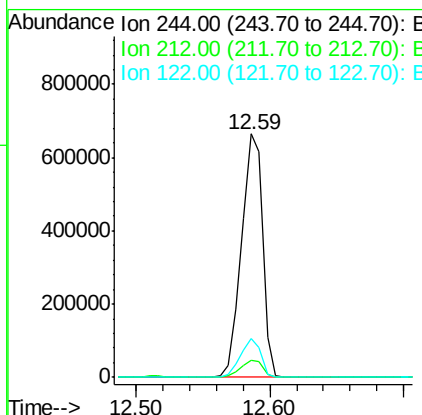
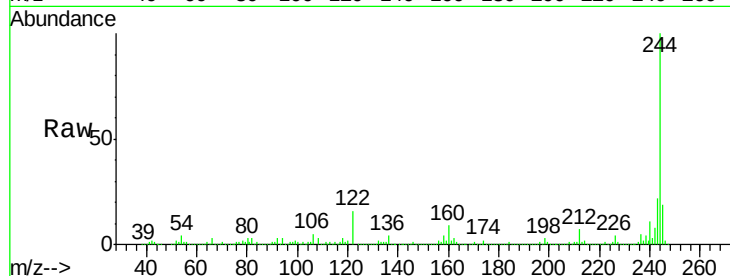




#78
 Terphenyl-d14
 Concen: 56.90 ng
 RT: 12.59 min Scan# 1819
 Delta R.T. -0.00 min
 Lab File: BF097042.D
 Acq: 25 Jul 2017 21:21

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
244	100		
212	6.8	6.0	9.0
122	15.9	10.3	15.5



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 14.97 min Scan# 2225
 Delta R.T. -0.00 min
 Lab File: BF097042.D
 Acq: 25 Jul 2017 21:21

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.1	19.5	29.3
265	20.6	17.2	25.8

