

Data Path : Z:\HPCHEM1\BNA F\DATA\BF101817\
 Data File : BF099650.D
 Acq On : 19 Oct 2017 7:21
 Operator : SJ/JU
 Sample : I5929-12
 Misc :
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

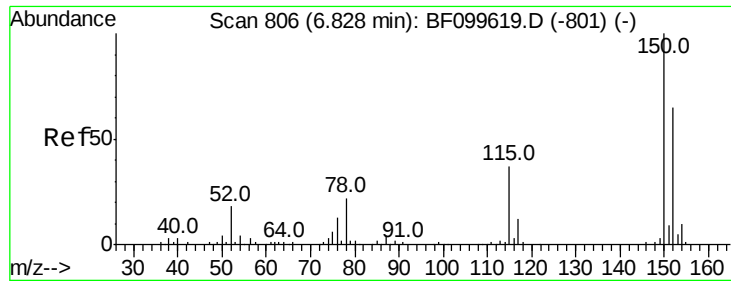
Quant Time: Oct 19 16:24:48 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF092317.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Oct 18 22:24:53 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.83	152	92791	20.00	ng	0.00
21) Naphthalene-d8	8.11	136	339201	20.00	ng	0.00
38) Acenaphthene-d10	9.86	164	120830	20.00	ng	0.00
63) Phenanthrene-d10	11.35	188	193193	20.00	ng	0.00
75) Chrysene-d12	13.99	240	200336	20.00	ng	0.00
86) Perylene-d12	15.46	264	155397	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.47	112	739452	126.86	ng	0.02
7) Phenol-d6	6.47	99	785059	109.18	ng	0.00
23) Nitrobenzene-d5	7.40	82	509248	96.28	ng	0.00
41) 2,4,6-Tribromophenol	10.66	330	134825	136.36	ng	0.00
44) 2-Fluorobiphenyl	9.18	172	865604	119.59	ng	0.00
78) Terphenyl-d14	12.93	244	688627	78.17	ng	0.00

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.60	77	13682	3.280	ng	90
19) n-Nitroso-di-n-propylamine	7.39	70	63528	13.838	ng	# 72
25) Isophorone	7.40	82	509241	46.567	ng	# 64
31) Naphthalene	8.13	128	1397277	87.708	ng	99
33) 4-Chloroaniline	8.13	127	189812	28.531	ng	# 34
37) 2-Methylnaphthalene	8.82	142	89766	8.668	ng	97
50) 2,6-Dinitrotoluene	9.86	165	15138	7.625	ng	# 24
51) Acenaphthene	9.89	154	27261	3.606	ng	96
54) Dibenzofuran	10.07	168	44837	4.454	ng	96
55) 4-Nitrophenol	10.07	139	15366	7.850	ng	# 9
56) 2,4-Dinitrotoluene	9.86	165	15138	5.875	ng	# 21
57) Fluorene	10.41	166	24270	2.999	ng	99
66) 4-Bromophenyl-phenylether	10.66	248	8825	4.667	ng	# 1
70) Phenanthrene	11.37	178	32585	3.151	ng	97
71) Anthracene	11.37	178	32585	3.080	ng	98
72) Carbazole	11.59	167	23236	2.243	ng	99

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

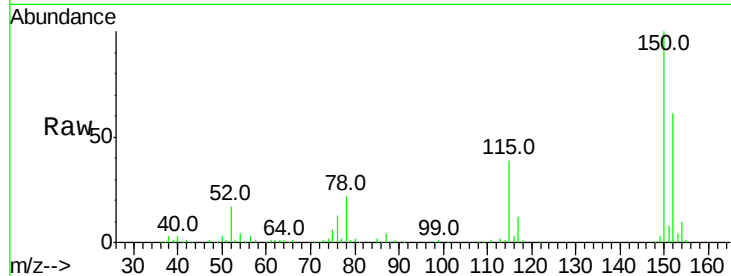


#1

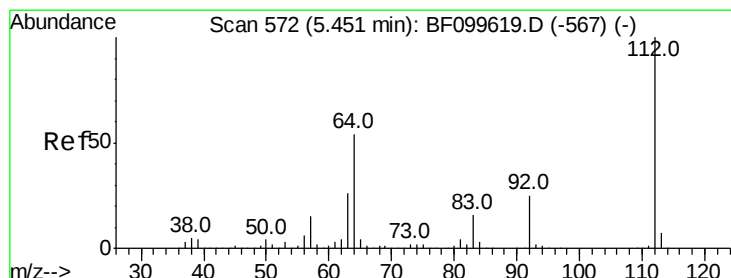
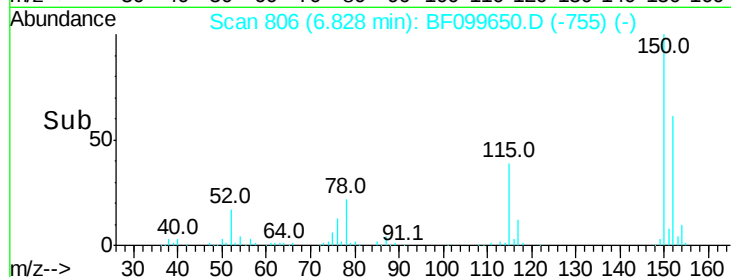
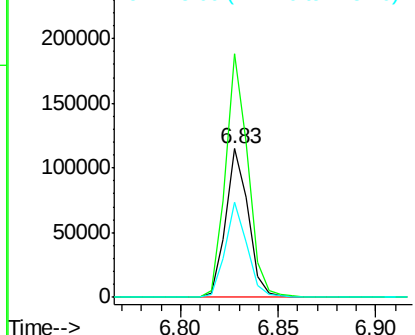
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.83 min Scan# 806
Delta R.T. 0.00 min
Lab File: BF099650.D
Acq: 19 Oct 2017 7:21

Instrument :
BNA_F
ClientSampled :

Tot Ion:152 Resp: 92791
Ion Ratio Lower Upper
152 100
150 164.0 124.6 186.8
115 64.1 50.1 75.1



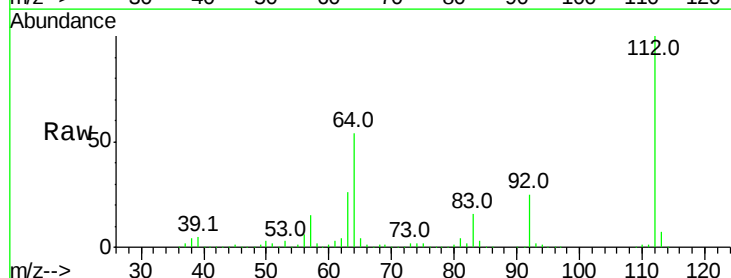
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



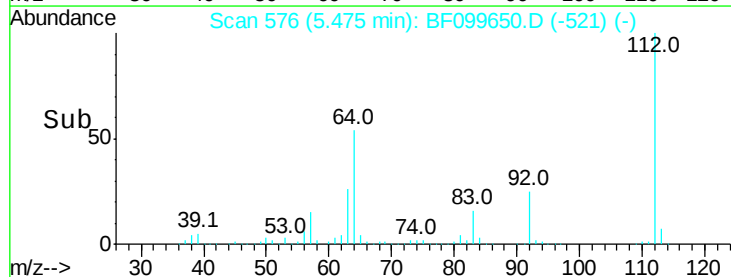
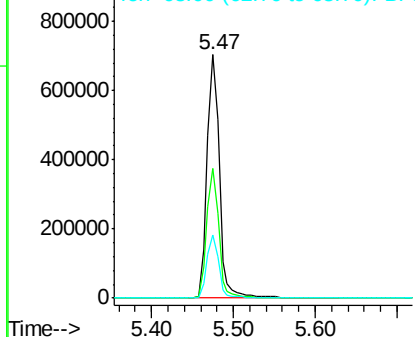
#5

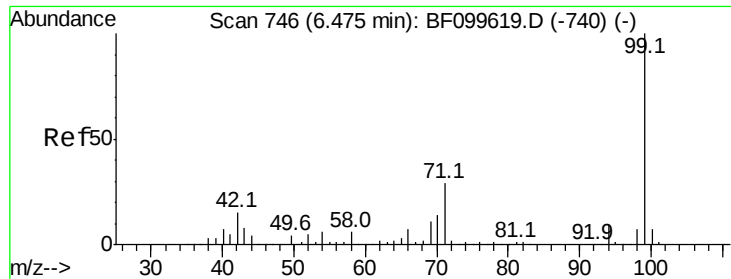
2-Fluorophenol
Concen: 126.859 ng
RT: 5.47 min Scan# 576
Delta R.T. 0.02 min
Lab File: BF099650.D
Acq: 19 Oct 2017 7:21

Tgt Ion:112 Resp: 739452
Ion Ratio Lower Upper
112 100
64 53.5 47.9 71.9
63 26.1 23.7 35.5



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: 109.178 ng

RT: 6.47 min Scan# 746

Delta R.T. -0.01 min

Lab File: BF099650.D

Acq: 19 Oct 2017 7:21

Instrument :

BNA_F

ClientSampled :

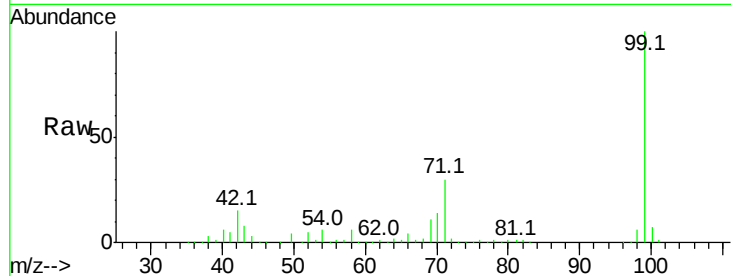
Tot Ion: 99 Resp: 785059

Ion Ratio Lower Upper

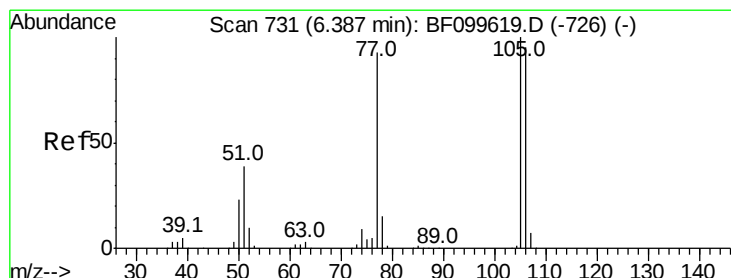
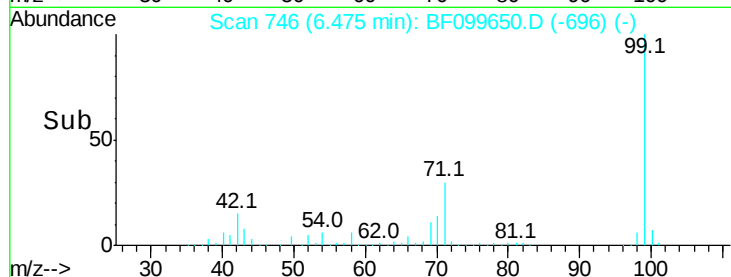
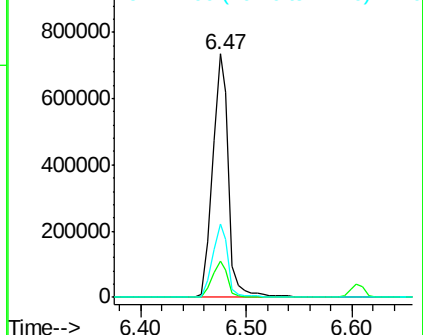
99 100

42 14.7 14.5 21.7

71 30.3 25.4 38.0



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: 3.280 ng

RT: 6.60 min Scan# 768

Delta R.T. 0.22 min

Lab File: BF099650.D

Acq: 19 Oct 2017 7:21

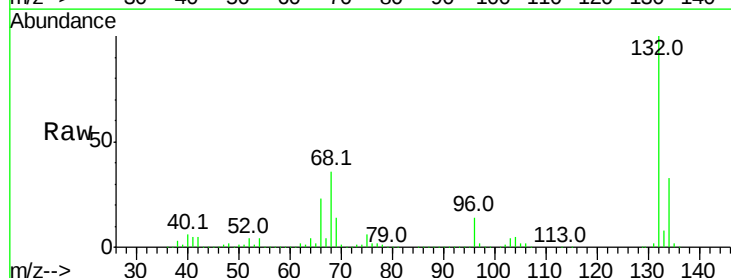
Tgt Ion: 77 Resp: 13682

Ion Ratio Lower Upper

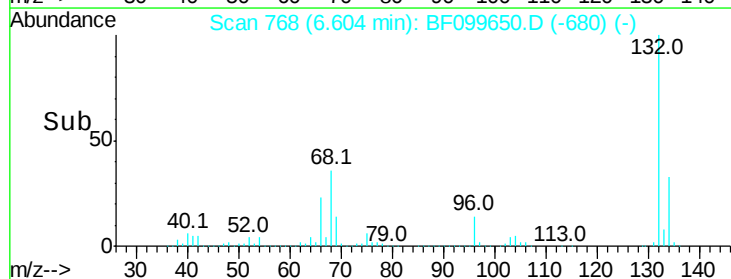
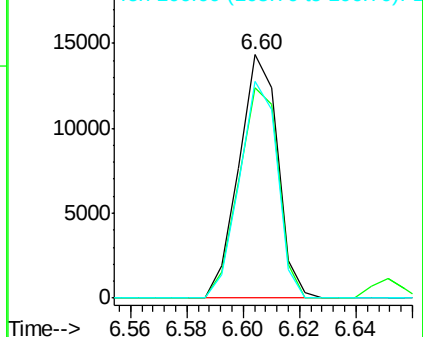
77 100

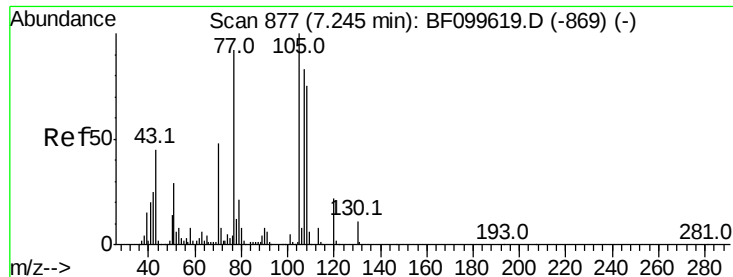
105 86.6 81.1 121.1

106 88.8 74.5 114.5



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





#19

n-Nitroso-di-n-propylamine

Concen: 13.838 ng

RT: 7.39 min Scan# 902

Delta R.T. 0.15 min

Lab File: BF099650.D

Acq: 19 Oct 2017 7:21

Instrument :

BNA_F

ClientSampleId :

Tot Ion: 70 Resp: 63528

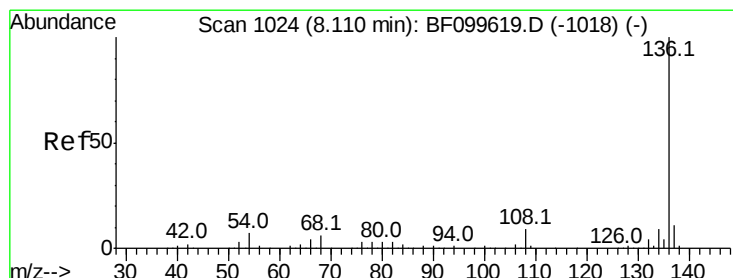
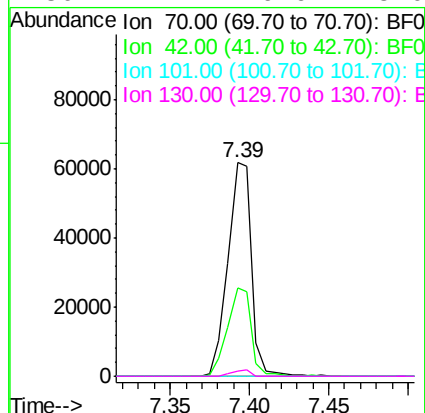
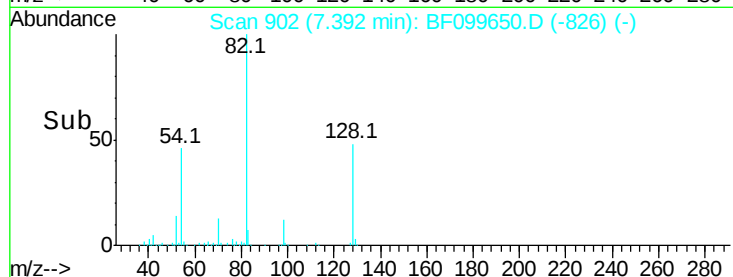
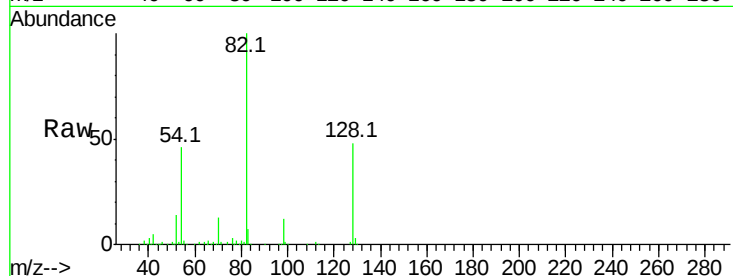
Ion Ratio Lower Upper

70 100

42 41.4 47.5 71.3#

101 0.0 7.4 11.2#

130 2.2 16.6 25.0#



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.11 min Scan# 1024

Delta R.T. 0.00 min

Lab File: BF099650.D

Acq: 19 Oct 2017 7:21

Tgt Ion:136 Resp: 339201

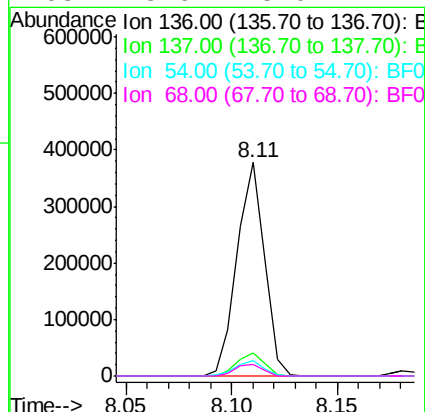
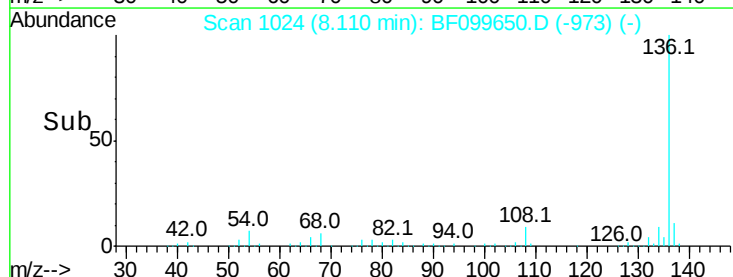
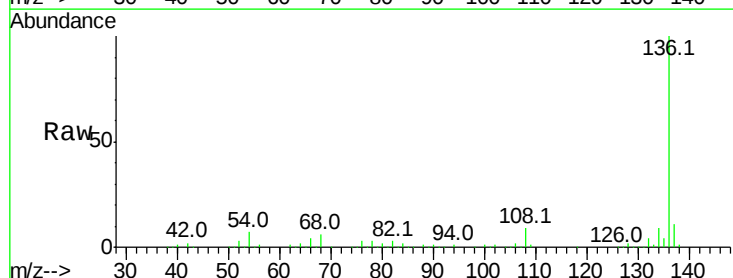
Ion Ratio Lower Upper

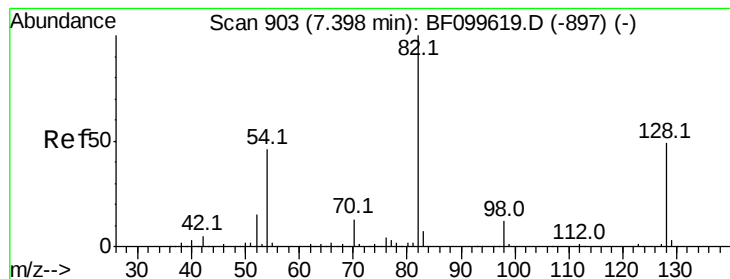
136 100

137 11.1 8.9 13.3

54 7.0 6.6 9.8

68 5.6 5.0 7.4





#23

Nitrobenzene-d5

Concen: 96.280 ng

RT: 7.40 min Scan# 903

Delta R.T. 0.00 min

Lab File: BF099650.D

Acq: 19 Oct 2017 7:21

Instrument :

BNA_F

ClientSampleId :

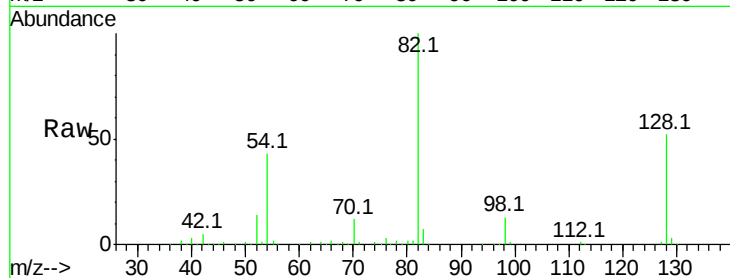
Tot Ion: 82 Resp: 509248

Ion Ratio Lower Upper

82 100

128 52.4 36.1 54.1

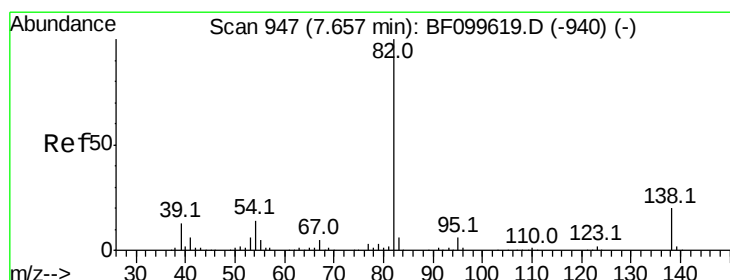
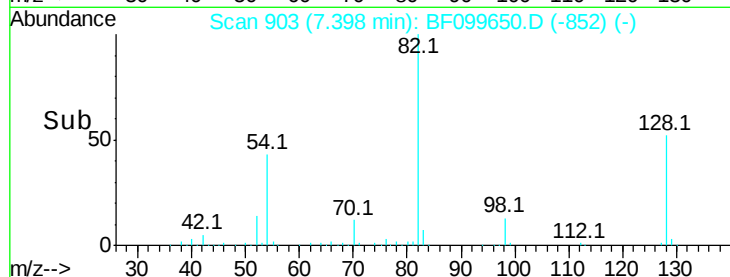
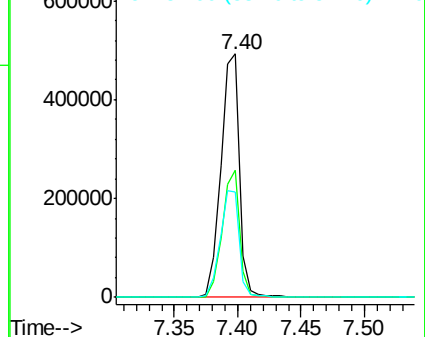
54 43.5 41.4 62.2



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: 46.567 ng

RT: 7.40 min Scan# 903

Delta R.T. -0.26 min

Lab File: BF099650.D

Acq: 19 Oct 2017 7:21

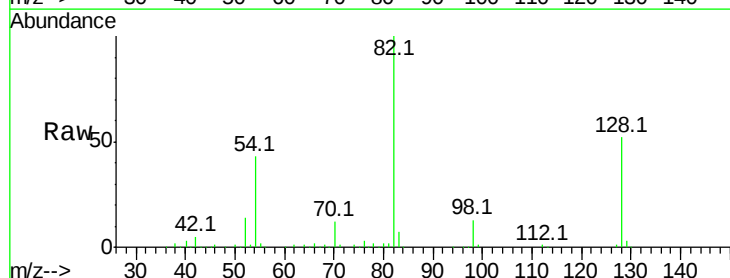
Tgt Ion: 82 Resp: 509241

Ion Ratio Lower Upper

82 100

95 0.0 5.2 7.8#

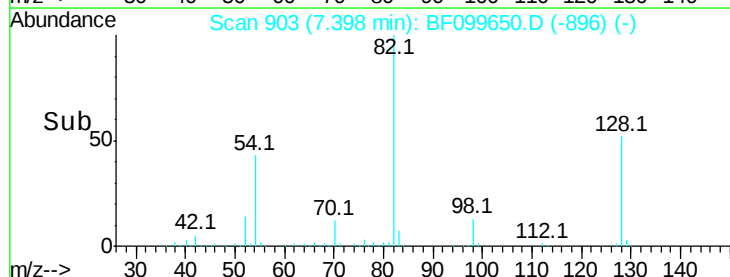
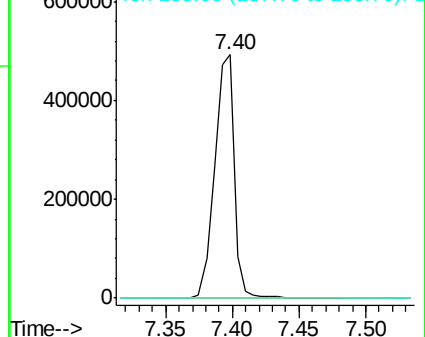
138 0.0 14.9 22.3#

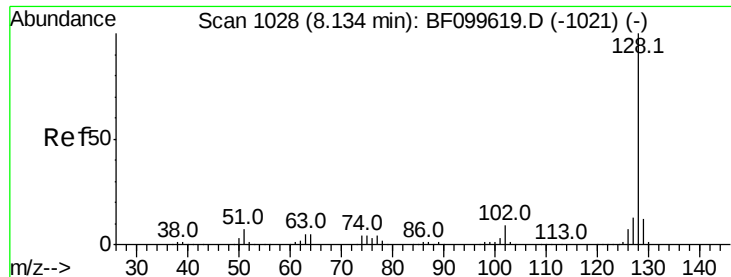


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 95.00 (94.70 to 95.70): BF0

Ion 138.00 (137.70 to 138.70): BF0





#31

Naphthalene

Concen: 87.708 ng

RT: 8.13 min Scan# 1028

Delta R.T. 0.00 min

Lab File: BF099650.D

Acq: 19 Oct 2017 7:21

Instrument :

BNA_F

ClientSampleId :

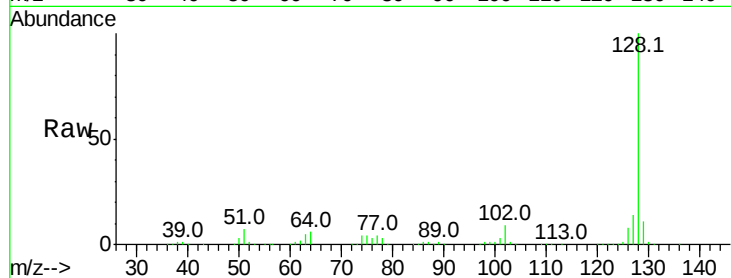
Tot Ion:128 Resp: 1397277

Ion Ratio Lower Upper

128 100

129 11.3 8.8 13.2

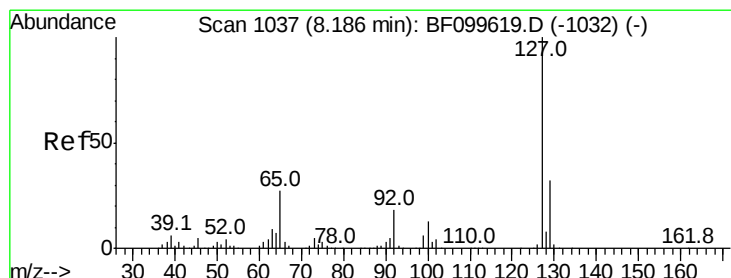
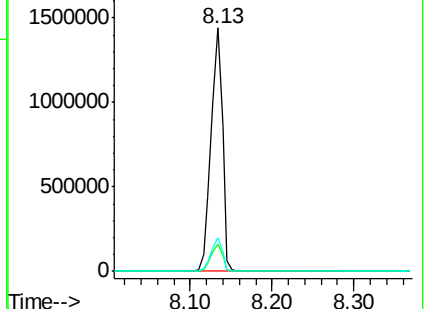
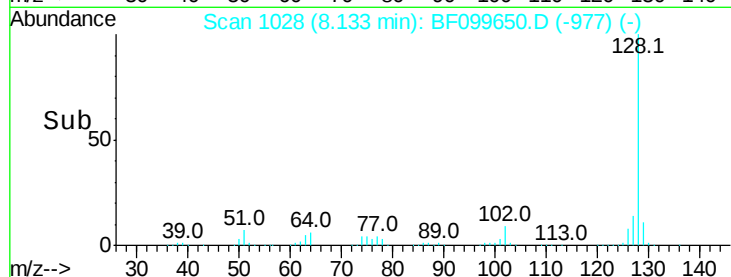
127 13.8 10.9 16.3



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#33

4-Chloroaniline

Concen: 28.531 ng

RT: 8.13 min Scan# 1028

Delta R.T. -0.05 min

Lab File: BF099650.D

Acq: 19 Oct 2017 7:21

Tgt Ion:127 Resp: 189812

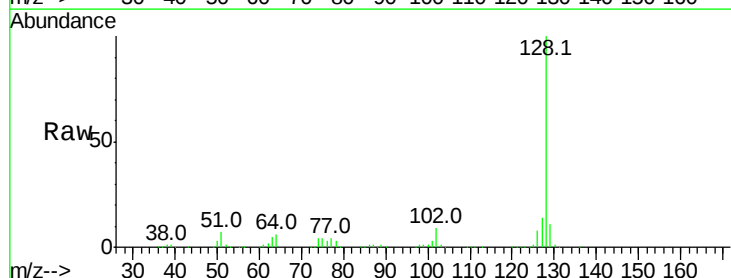
Ion Ratio Lower Upper

127 100

129 82.1 25.9 38.9#

65 0.0 25.0 37.4#

92 0.0 15.2 22.8#

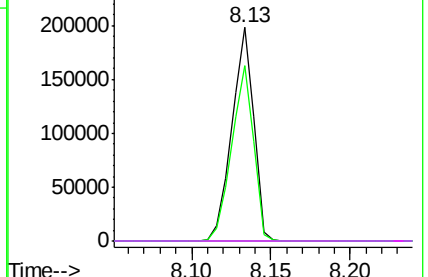
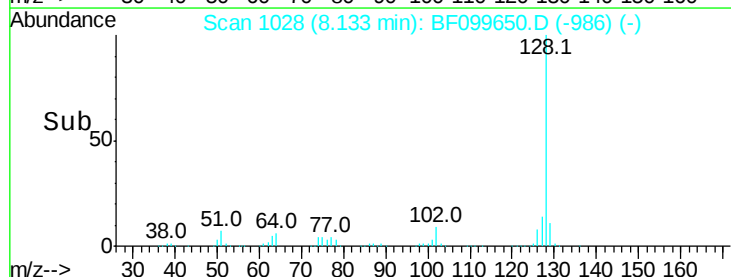


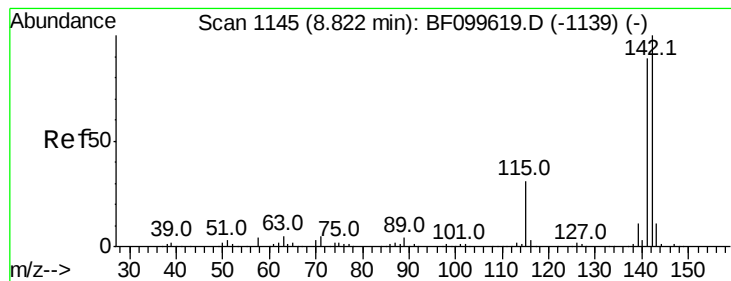
Abundance Ion 127.00 (126.70 to 127.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 65.00 (64.70 to 65.70): BF0

Ion 92.00 (91.70 to 92.70): BF0





#37

2-Methylnaphthalene

Concen: 8.668 ng

RT: 8.82 min Scan# 1145

Delta R.T. 0.00 min

Lab File: BF099650.D

Acq: 19 Oct 2017 7:21

Instrument :

BNA_F

ClientSampleId :

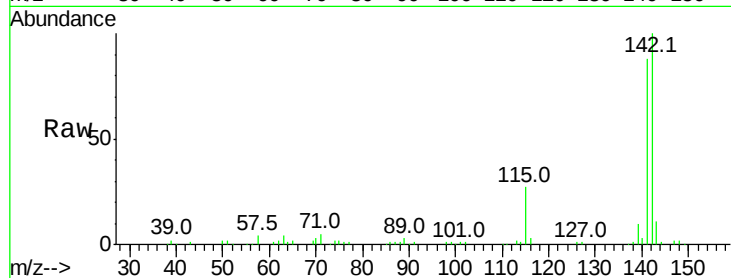
Tot Ion:142 Resp: 89766

Ion Ratio Lower Upper

142 100

141 87.8 70.8 106.2

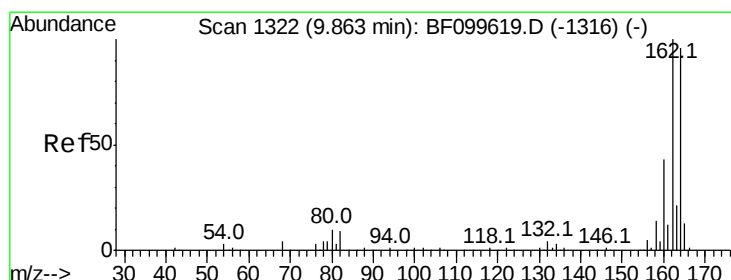
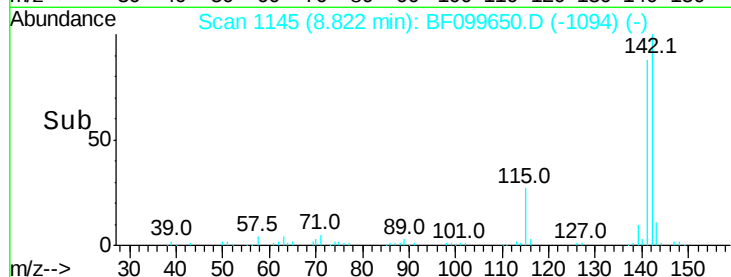
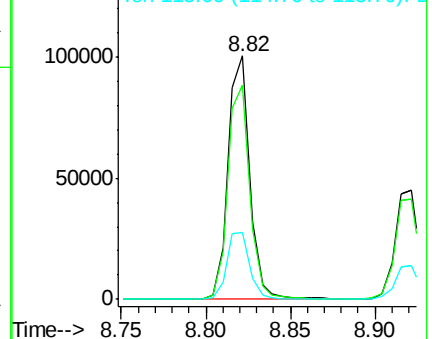
115 27.3 26.1 39.1



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E



#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.86 min Scan# 1322

Delta R.T. -0.01 min

Lab File: BF099650.D

Acq: 19 Oct 2017 7:21

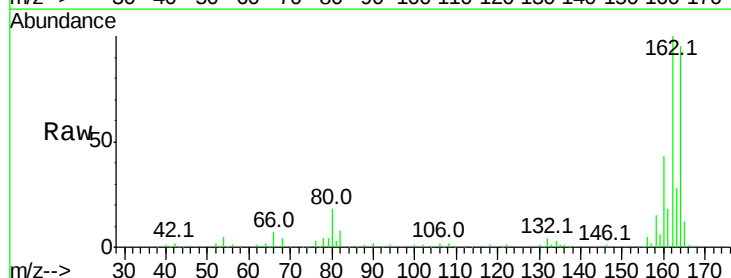
Tgt Ion:164 Resp: 120830

Ion Ratio Lower Upper

164 100

162 105.1 86.1 129.1

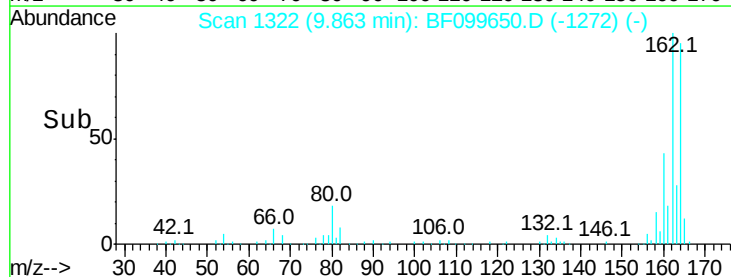
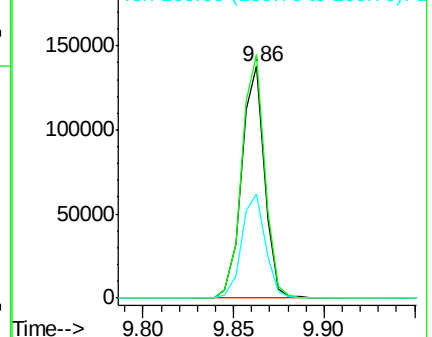
160 44.9 38.3 57.5

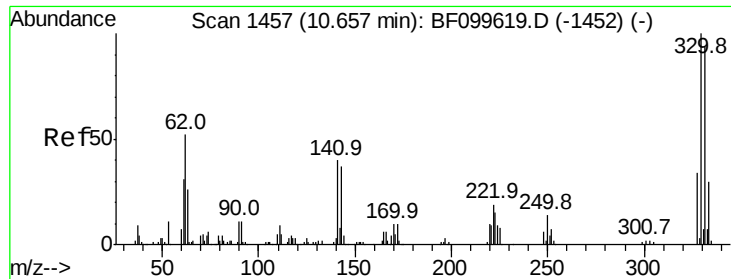


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

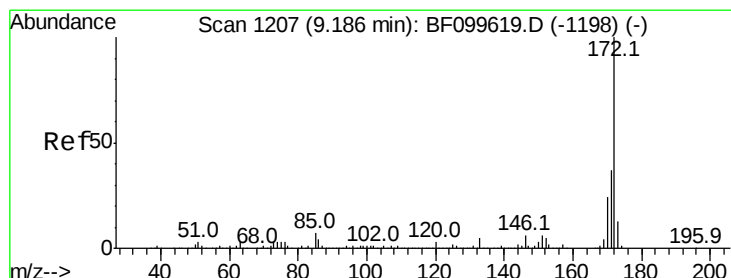
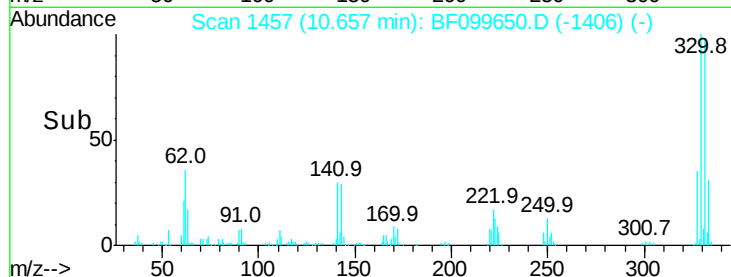
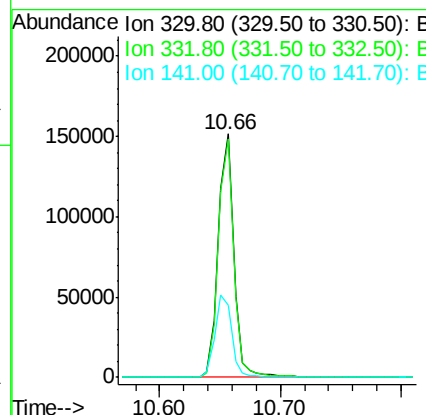
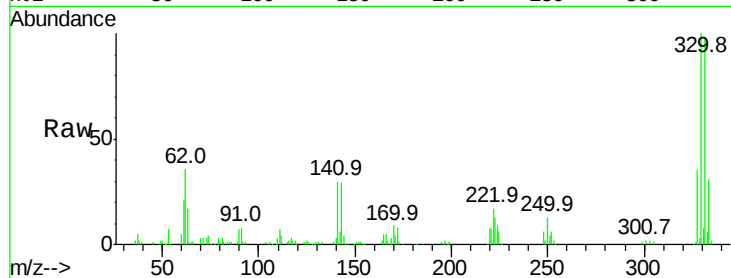




#41
 2,4,6-Tribromophenol
 Concen: 136.364 ng
 RT: 10.66 min Scan# 1457
 Delta R.T. 0.00 min
 Lab File: BF099650.D
 Acq: 19 Oct 2017 7:21

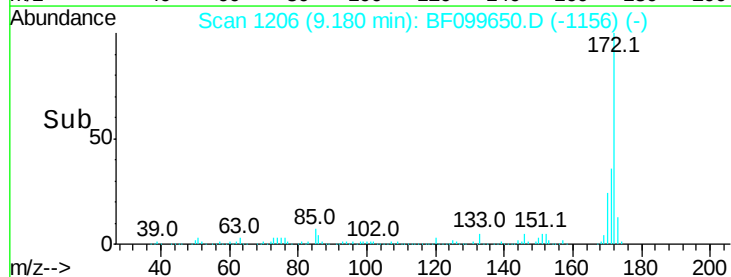
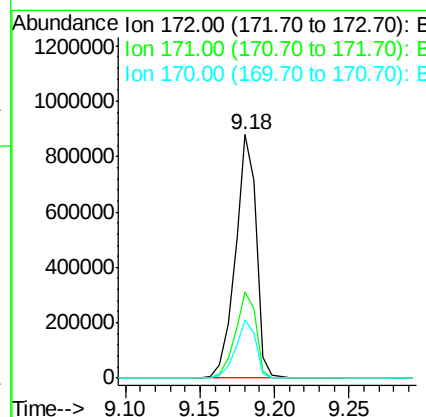
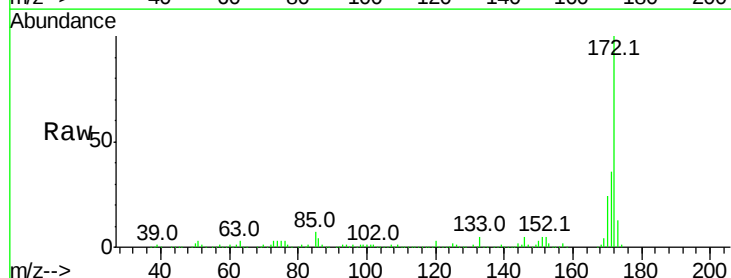
Instrument :
 BNA_F
 ClientSampleId :

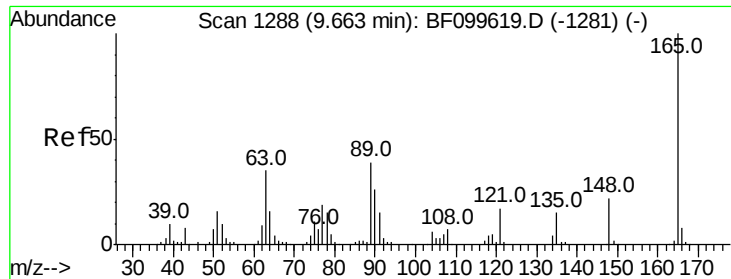
Tot Ion	Ratio	Lower	Upper
330	100		
332	97.5	77.0	115.6
141	36.8	29.9	44.9



#44
 2-Fluorobiphenyl
 Concen: 119.594 ng
 RT: 9.18 min Scan# 1206
 Delta R.T. -0.01 min
 Lab File: BF099650.D
 Acq: 19 Oct 2017 7:21

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.7	29.7	44.5
170	23.7	19.6	29.4

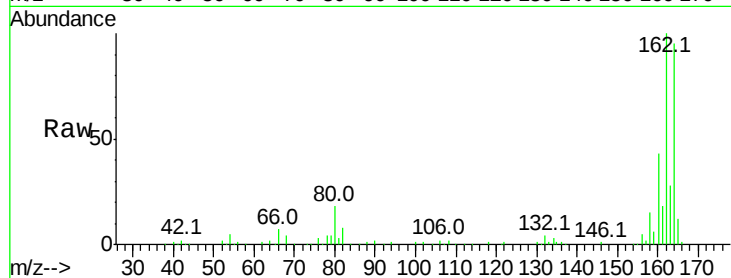




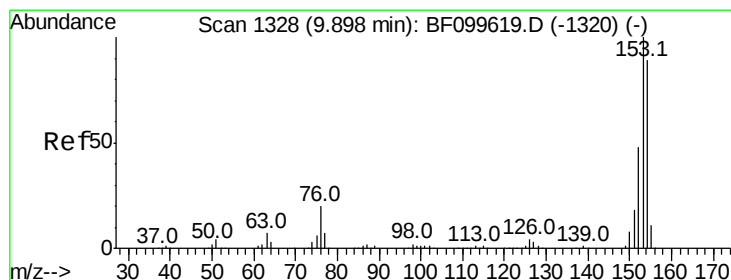
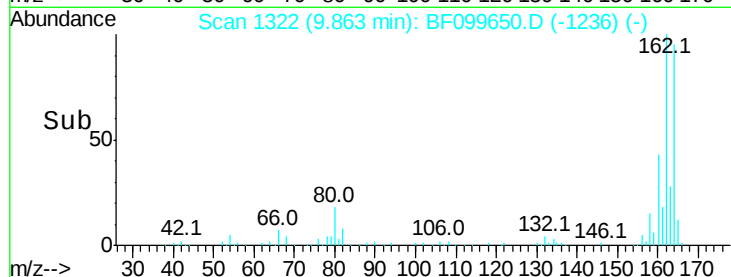
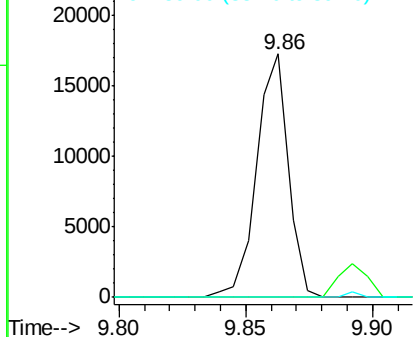
#50
 2,6-Dinitrotoluene
 Concen: 7.625 ng
 RT: 9.86 min Scan# 1322
 Delta R.T. 0.21 min
 Lab File: BF099650.D
 Acq: 19 Oct 2017 7:21

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
165	100		
63	0.0	44.7	67.1#
89	0.0	44.0	66.0#

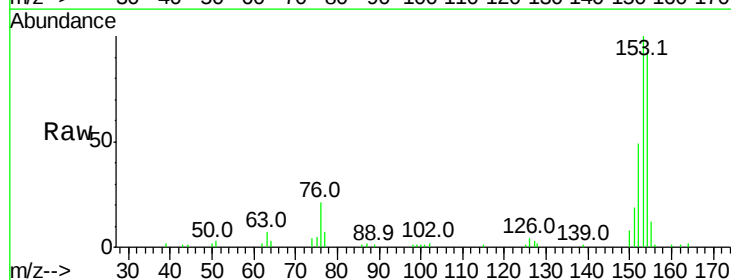


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF0
 Ion 89.00 (88.70 to 89.70): BF0

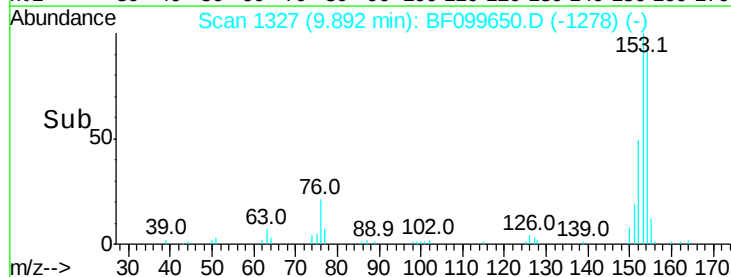
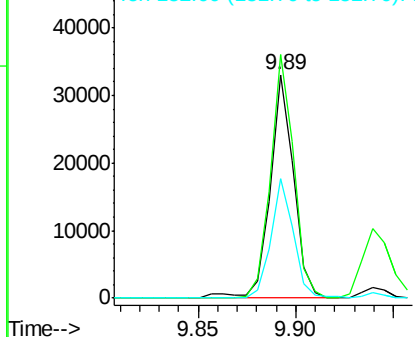


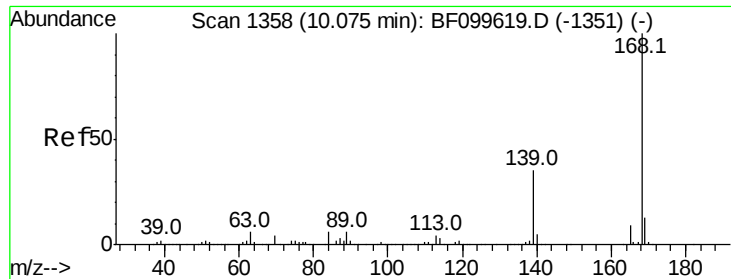
#51
 Acenaphthene
 Concen: 3.606 ng
 RT: 9.89 min Scan# 1327
 Delta R.T. -0.01 min
 Lab File: BF099650.D
 Acq: 19 Oct 2017 7:21

Tgt Ion	Ratio	Lower	Upper
154	100		
153	109.0	91.2	136.8
152	53.4	43.8	65.8



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





#54

Dibenzofuran

Concen: 4.454 ng

RT: 10.07 min Scan# 1357

Delta R.T. -0.01 min

Lab File: BF099650.D

Acq: 19 Oct 2017 7:21

Instrument :

BNA_F

ClientSampleId :

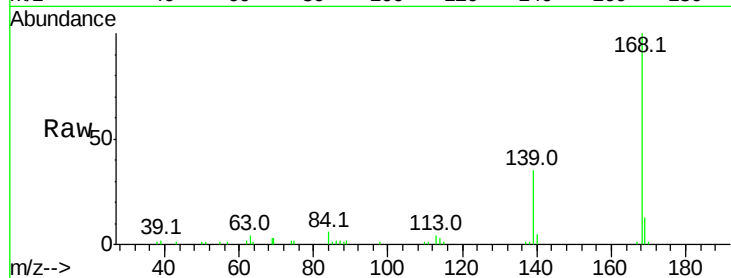
Tot Ion:168 Resp: 44837

Ion Ratio Lower Upper

168 100

139 34.9 30.1 45.1

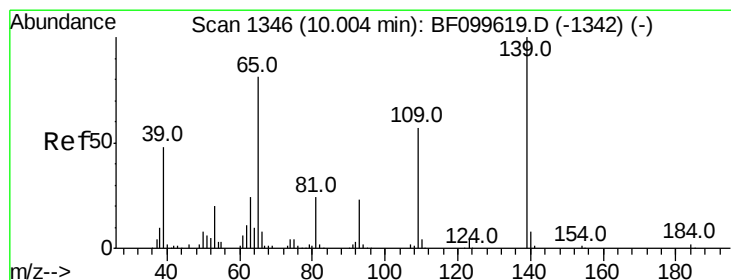
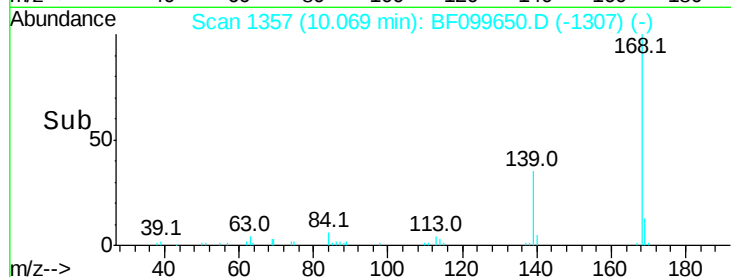
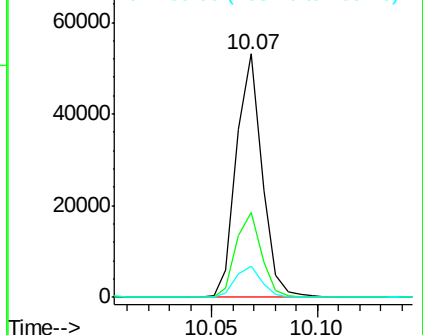
169 12.7 10.9 16.3



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E



#55

4-Nitrophenol

Concen: 7.850 ng

RT: 10.07 min Scan# 1357

Delta R.T. 0.07 min

Lab File: BF099650.D

Acq: 19 Oct 2017 7:21

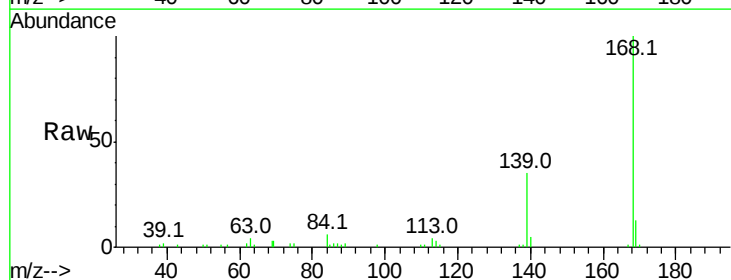
Tgt Ion:139 Resp: 15366

Ion Ratio Lower Upper

139 100

109 0.0 48.4 88.4#

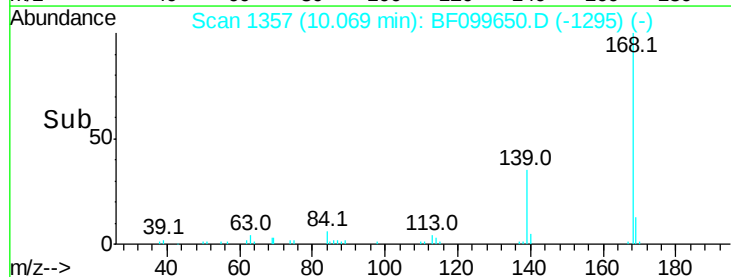
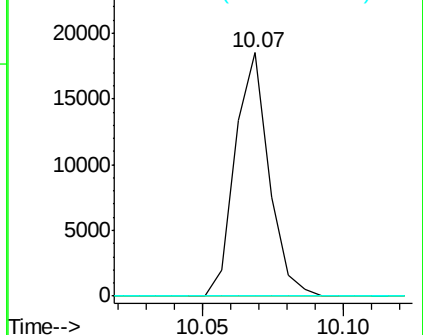
65 0.0 72.6 112.6#

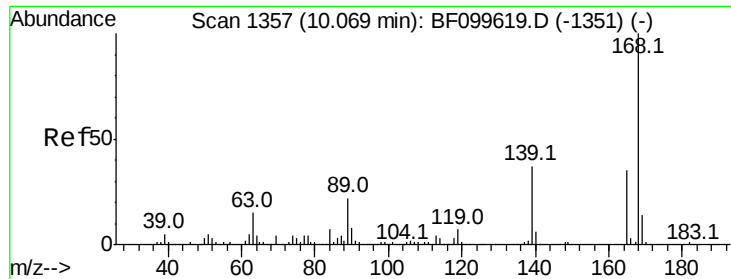


Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BF0

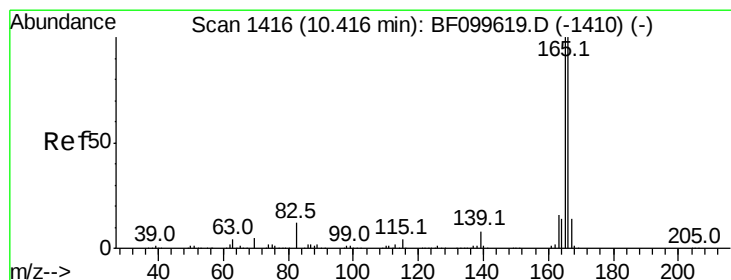
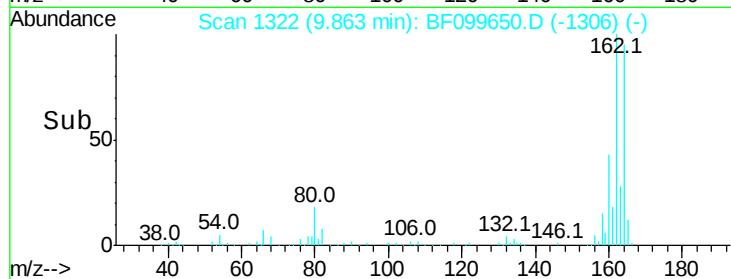
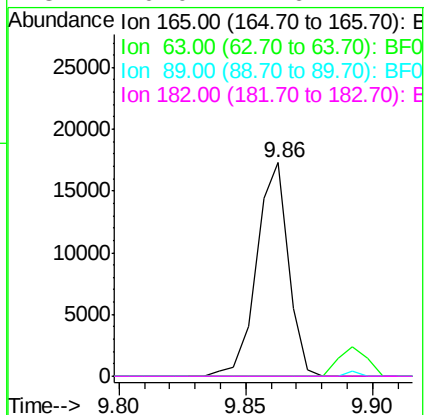
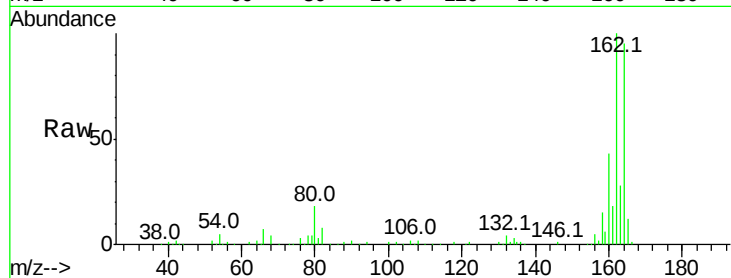




#56
2,4-Dinitrotoluene
Concen: 5.875 ng
RT: 9.86 min Scan# 1322
Delta R.T. -0.21 min
Lab File: BF099650.D
Acq: 19 Oct 2017 7:21

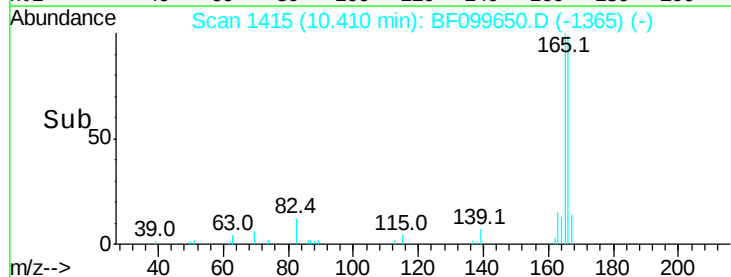
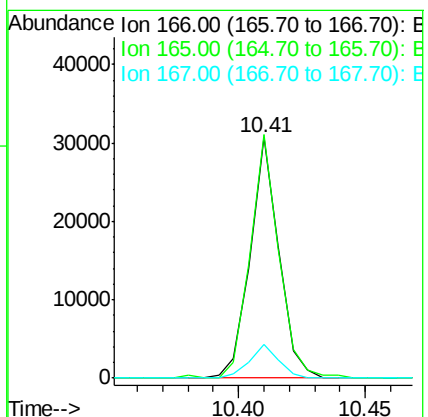
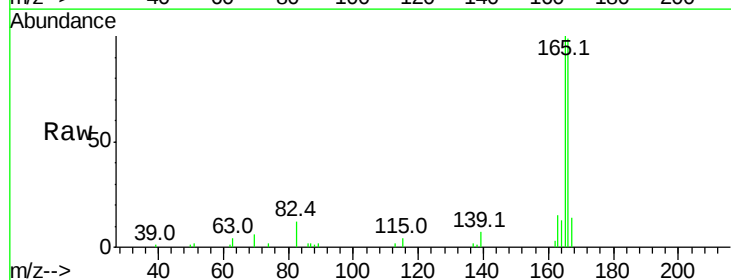
Instrument :
BNA_F
ClientSampleId :

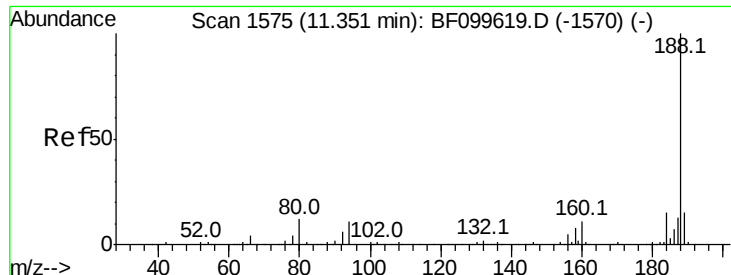
Tot Ion	Ratio	Resp	Lower	Upper
165	100	15138		
63	0.0	36.4	54.6#	
89	0.0	57.8	86.6#	
182	0.0	1.6	2.4#	



#57
Fluorene
Concen: 2.999 ng
RT: 10.41 min Scan# 1415
Delta R.T. -0.01 min
Lab File: BF099650.D
Acq: 19 Oct 2017 7:21

Tgt Ion	Ratio	Resp	Lower	Upper
166	100	24270		
165	101.1	79.8	119.8	
167	14.1	10.6	16.0	

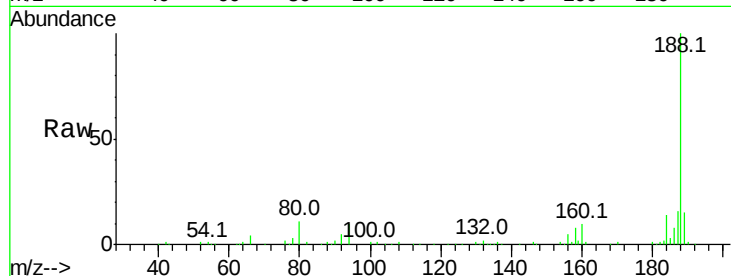




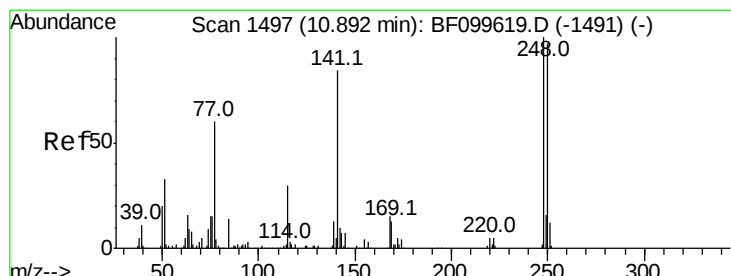
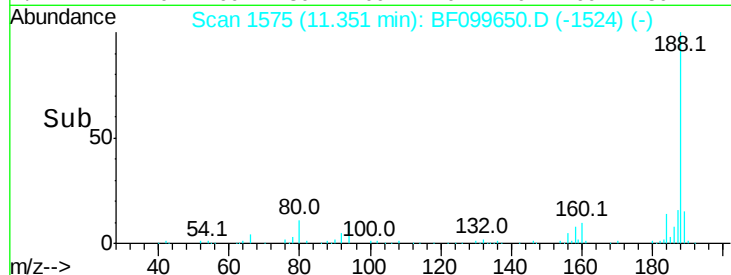
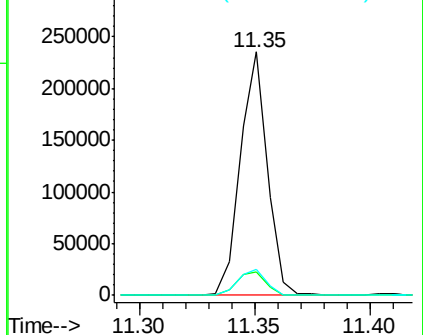
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.35 min Scan# 1575
Delta R.T. 0.00 min
Lab File: BF099650.D
Acq: 19 Oct 2017 7:21

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Resp	Lower	Upper
188	100	193193		
94	9.8		8.5	12.7
80	10.6		9.2	13.8

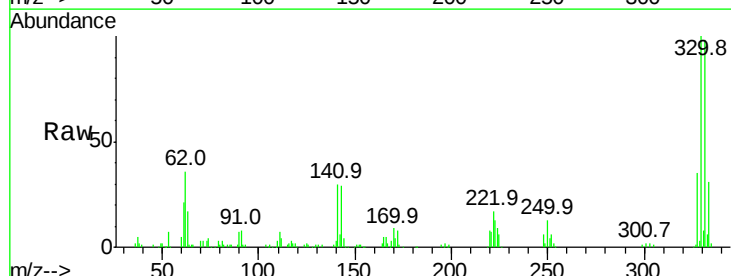


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

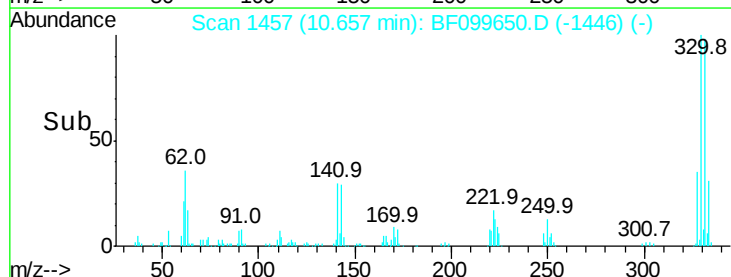
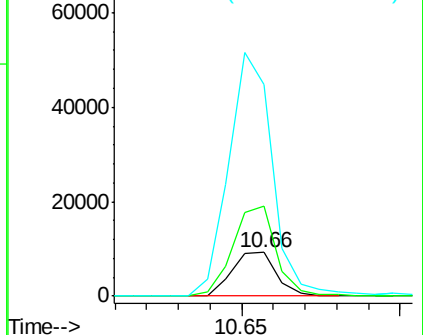


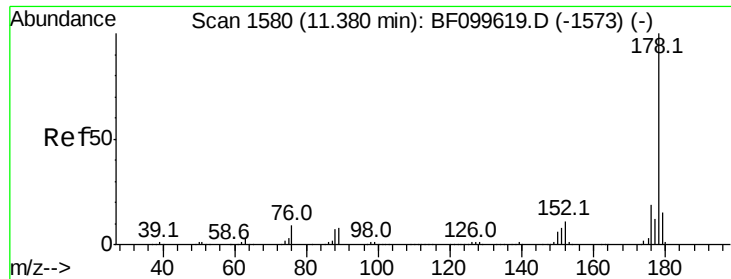
#66
4-Bromophenyl-phenylether
Concen: 4.667 ng
RT: 10.66 min Scan# 1457
Delta R.T. -0.23 min
Lab File: BF099650.D
Acq: 19 Oct 2017 7:21

Tgt Ion	Ratio	Resp	Lower	Upper
248	100	8825		
250	205.7		76.9	115.3#
141	483.7		74.4	111.6#



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: 3.151 ng

RT: 11.37 min Scan# 1579

Delta R.T. -0.01 min

Lab File: BF099650.D

Acq: 19 Oct 2017 7:21

Instrument :

BNA_F

ClientSampled :

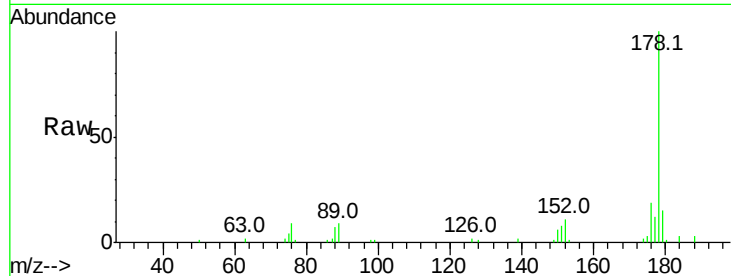
Tot Ion:178 Resp: 32585

Ion Ratio Lower Upper

178 100

176 18.7 15.8 23.8

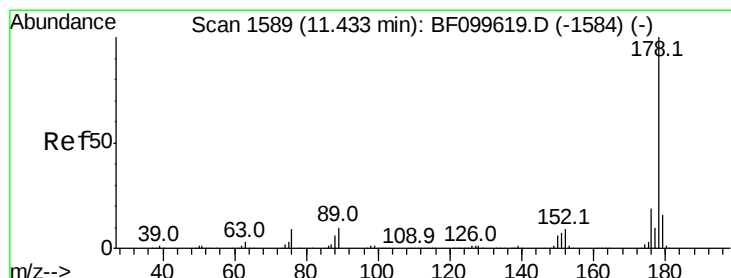
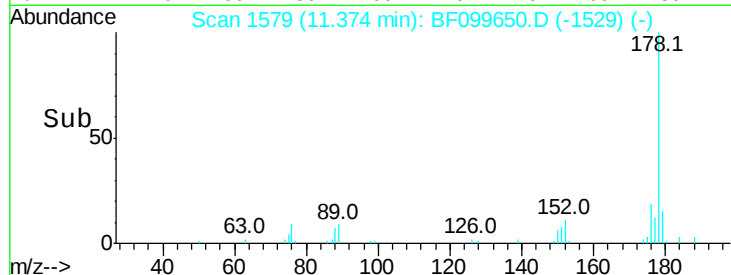
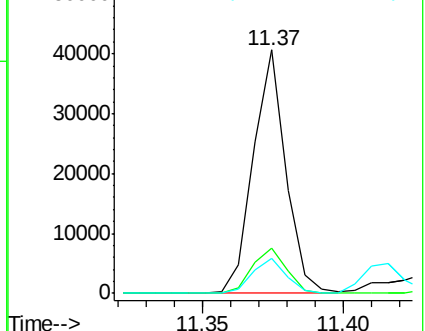
179 14.5 13.0 19.6



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: 3.080 ng

RT: 11.37 min Scan# 1579

Delta R.T. -0.06 min

Lab File: BF099650.D

Acq: 19 Oct 2017 7:21

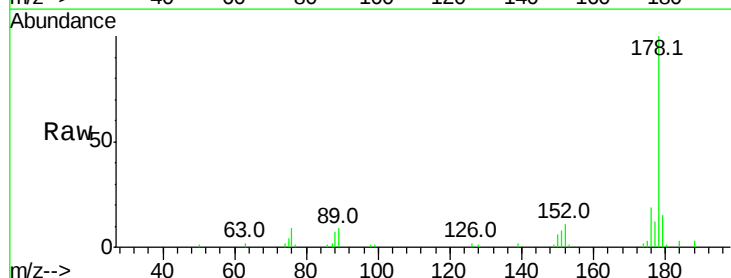
Tgt Ion:178 Resp: 32585

Ion Ratio Lower Upper

178 100

176 18.7 15.4 23.2

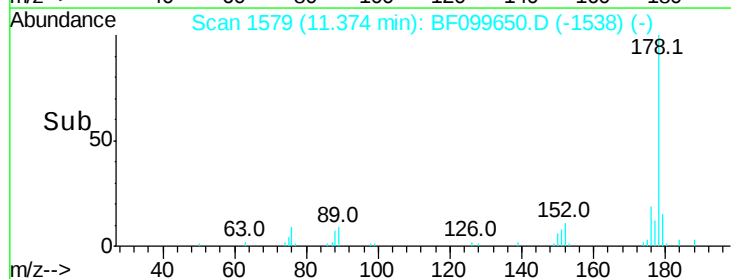
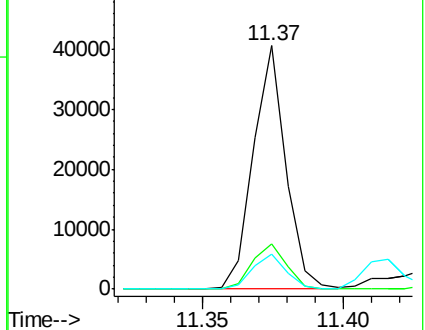
179 14.5 12.6 19.0

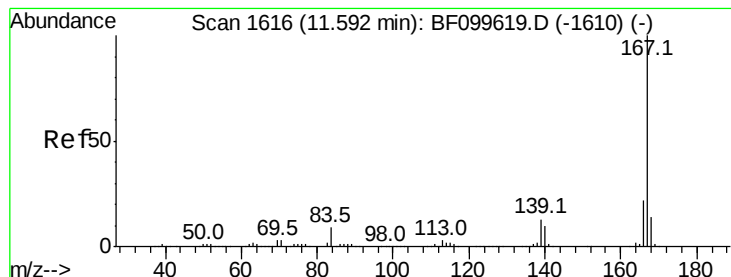


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#72

Carbazole

Concen: 2.243 ng

RT: 11.59 min Scan# 1615

Delta R.T. -0.01 min

Lab File: BF099650.D

Acq: 19 Oct 2017 7:21

Instrument :

BNA_F

ClientSampleId :

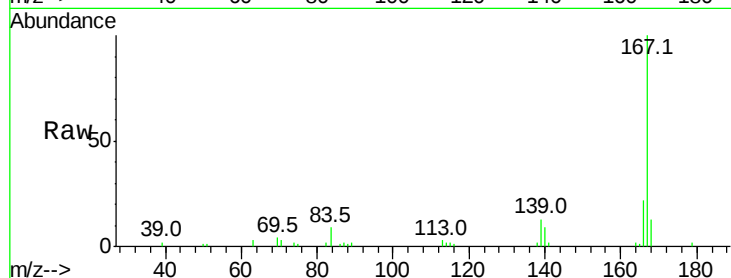
Tot Ion:167 Resp: 23236

Ion Ratio Lower Upper

167 100

166 22.0 17.6 26.4

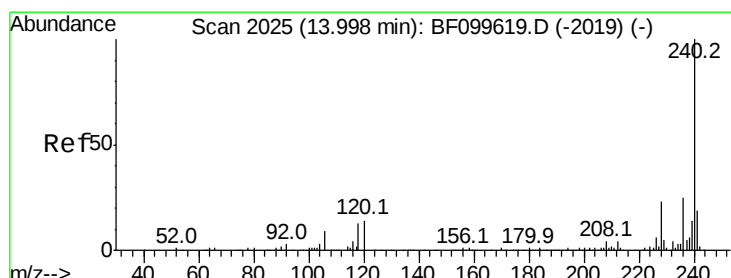
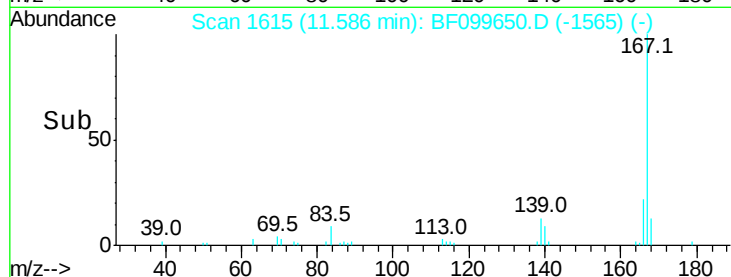
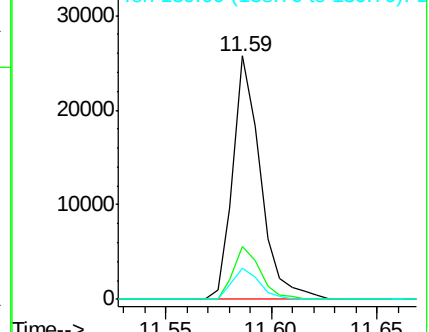
139 12.7 10.9 16.3



Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E



#75

Chrysene-d12

Concen: 20.000 ng

RT: 13.99 min Scan# 2024

Delta R.T. -0.01 min

Lab File: BF099650.D

Acq: 19 Oct 2017 7:21

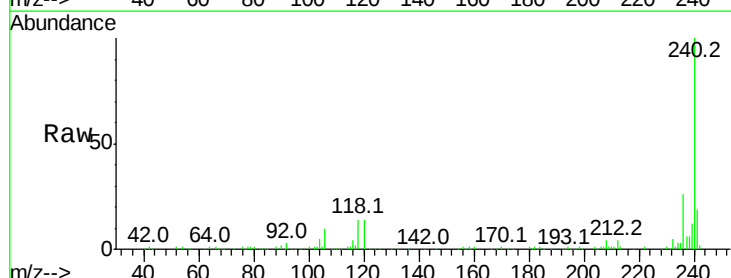
Tgt Ion:240 Resp: 200336

Ion Ratio Lower Upper

240 100

120 14.3 9.5 14.3#

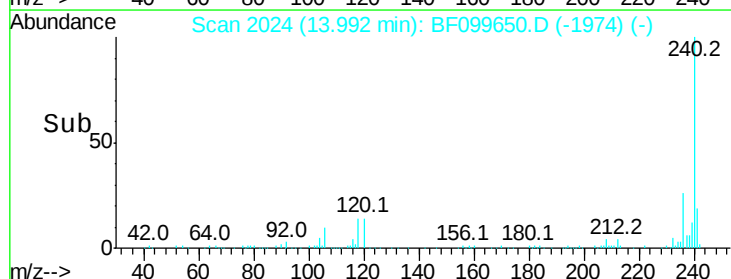
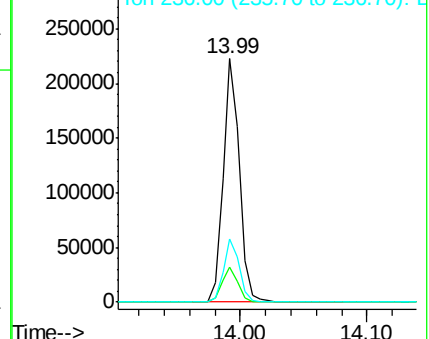
236 25.7 20.7 31.1

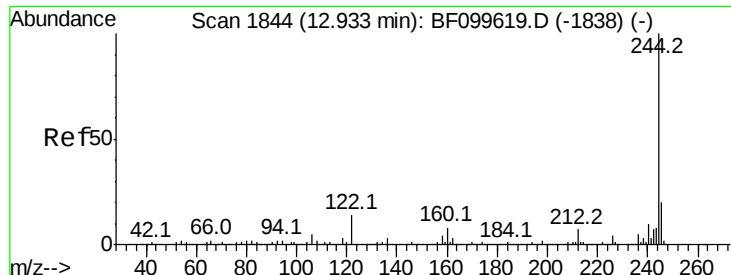


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#78

Terphenyl-d14

Concen: 78.173 ng

RT: 12.93 min Scan# 1844

Delta R.T. 0.00 min

Lab File: BF099650.D

Acq: 19 Oct 2017 7:21

Instrument :

BNA_F

ClientSampleId :

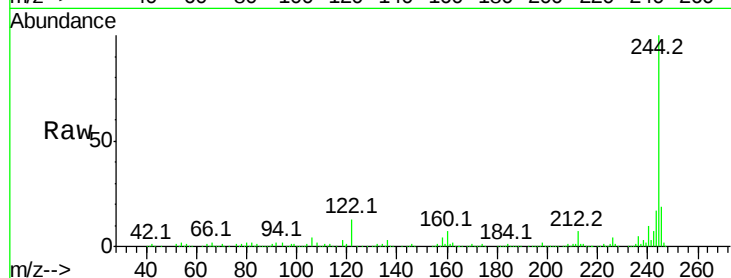
Tot Ion:244 Resp: 688627

Ion Ratio Lower Upper

244 100

212 7.0 5.4 8.0

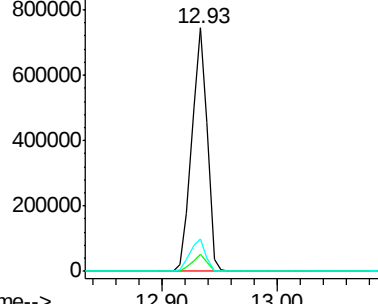
122 13.4 11.0 16.4



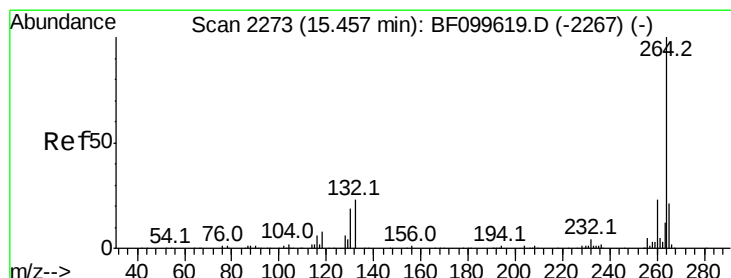
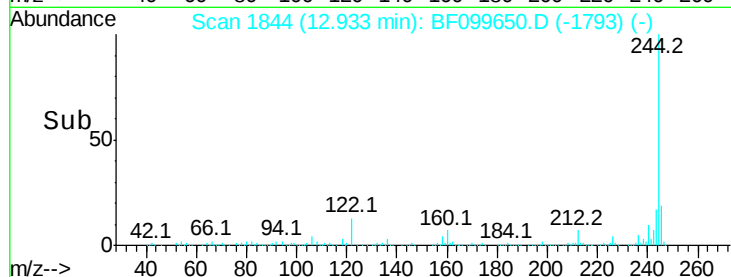
Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



Time-->



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.46 min Scan# 2273

Delta R.T. 0.00 min

Lab File: BF099650.D

Acq: 19 Oct 2017 7:21

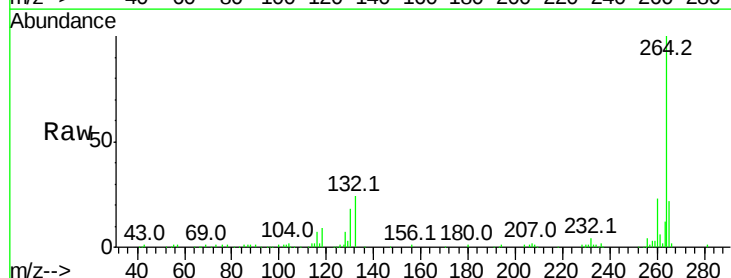
Tgt Ion:264 Resp: 155397

Ion Ratio Lower Upper

264 100

260 22.8 19.2 28.8

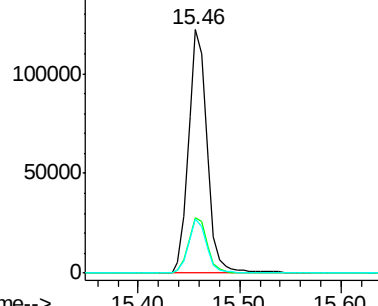
265 22.1 17.5 26.3



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



Time-->

