

Data Path : Z:\HPCHEM1\BNA F\DATA\BF101817\
 Data File : BF099651.D
 Acq On : 19 Oct 2017 7:49
 Operator : SJ/JU
 Sample : I5951-03
 Misc :
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Oct 19 16:25:15 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	89127	20.00	ng	0.00
21) Naphthalene-d8	8.11	136	317294	20.00	ng	0.00
38) Acenaphthene-d10	9.86	164	111492	20.00	ng	0.00
63) Phenanthrene-d10	11.35	188	182471	20.00	ng	0.00
75) Chrysene-d12	13.99	240	190294	20.00	ng	0.00
86) Perylene-d12	15.46	264	147176	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.47	112	690490	123.33	ng	0.02
7) Phenol-d6	6.47	99	715465	103.59	ng	0.00
23) Nitrobenzene-d5	7.40	82	484687	97.96	ng	0.00
41) 2,4,6-Tribromophenol	10.66	330	133208	146.01	ng	0.00
44) 2-Fluorobiphenyl	9.18	172	825280	123.57	ng	0.00
78) Terphenyl-d14	12.93	244	687556	82.17	ng	0.00

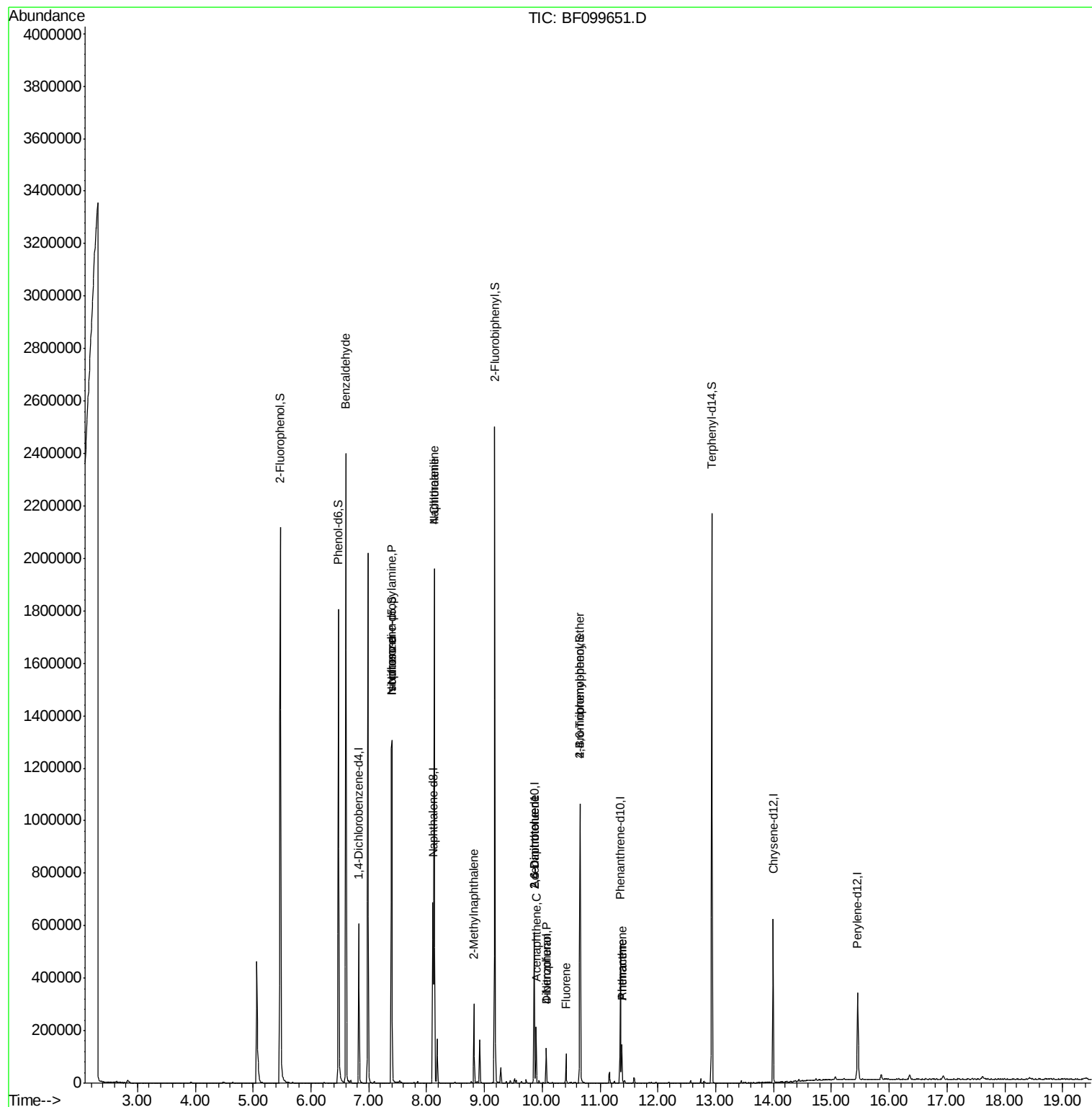
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.60	77	13102	3.270	ng	87
19) n-Nitroso-di-n-propylamine	7.39	70	60034	13.614	ng	# 73
25) Isophorone	7.40	82	484684	47.382	ng	# 64
31) Naphthalene	8.13	128	919052	61.673	ng	100
33) 4-Chloroaniline	8.13	127	120265	19.326	ng	# 34
37) 2-Methylnaphthalene	8.82	142	88064	9.090	ng	95
50) 2,6-Dinitrotoluene	9.86	165	14613	7.977	ng	# 24
51) Acenaphthene	9.89	154	44403	6.365	ng	99
54) Dibenzofuran	10.07	168	54675	5.886	ng	98
55) 4-Nitrophenol	10.07	139	19603	10.853	ng	# 9
56) 2,4-Dinitrotoluene	9.86	165	14613	6.146	ng	# 21
57) Fluorene	10.41	166	30660	4.107	ng	98
66) 4-Bromophenyl-phenylether	10.65	248	8554	4.789	ng	# 1
70) Phenanthrene	11.37	178	55183	5.650	ng	98
71) Anthracene	11.37	178	55183	5.522	ng	99

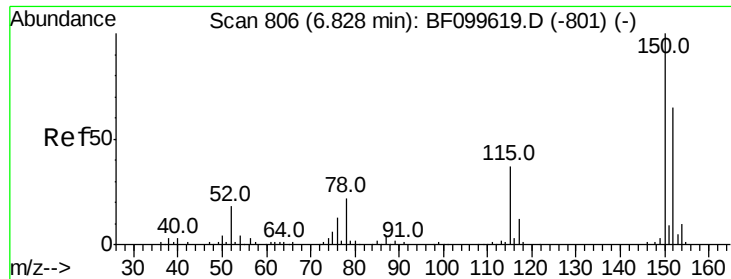
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA F\DATA\BF101817\
Data File : BF099651.D
Acq On : 19 Oct 2017 7:49
Operator : SJ/JU
Sample : I5951-03
Misc :
ALS Vial : 32 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :

Quant Time: Oct 19 16:25:15 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



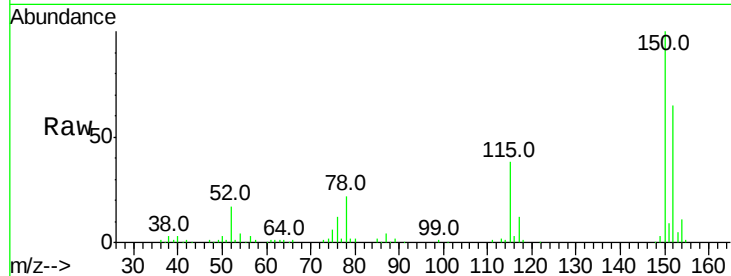


#1

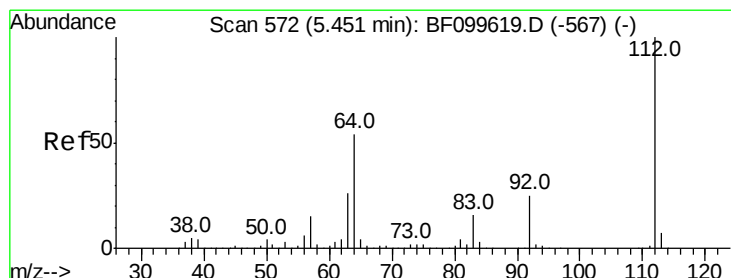
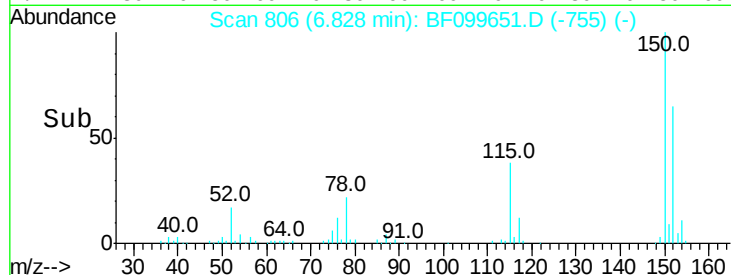
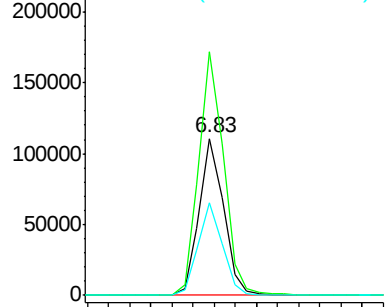
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.83 min Scan# 806
Delta R.T. 0.00 min
Lab File: BF099651.D
Acq: 19 Oct 2017 7:49

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 89127
Ion Ratio Lower Upper
152 100
150 155.0 124.6 186.8
115 58.6 50.1 75.1



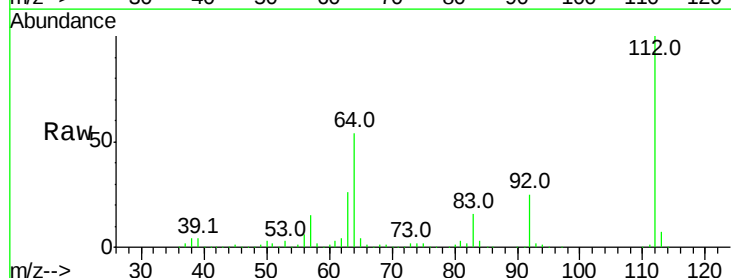
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



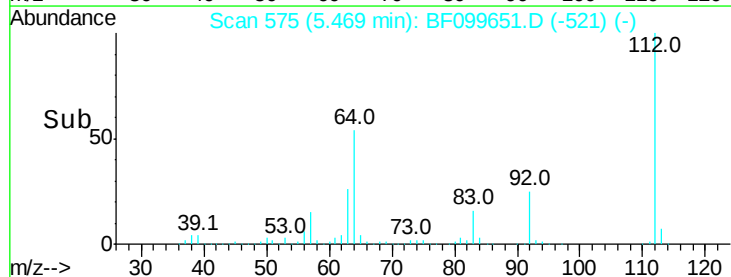
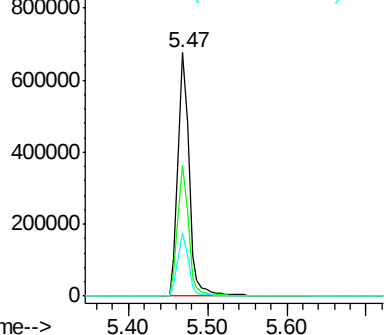
#5

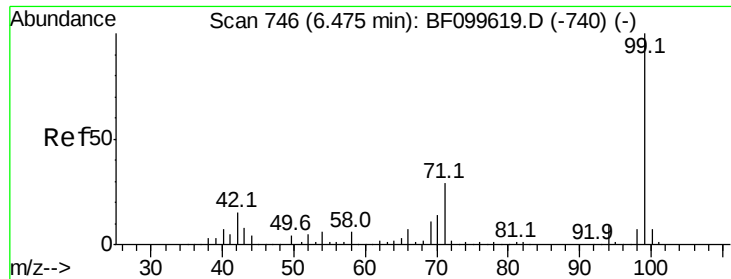
2-Fluorophenol
Concen: 123.329 ng
RT: 5.47 min Scan# 575
Delta R.T. 0.02 min
Lab File: BF099651.D
Acq: 19 Oct 2017 7:49

Tgt Ion:112 Resp: 690490
Ion Ratio Lower Upper
112 100
64 53.6 47.9 71.9
63 26.0 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: 103.590 ng

RT: 6.47 min Scan# 746

Delta R.T. -0.01 min

Lab File: BF099651.D

Acq: 19 Oct 2017 7:49

Instrument :

BNA_F

ClientSampled :

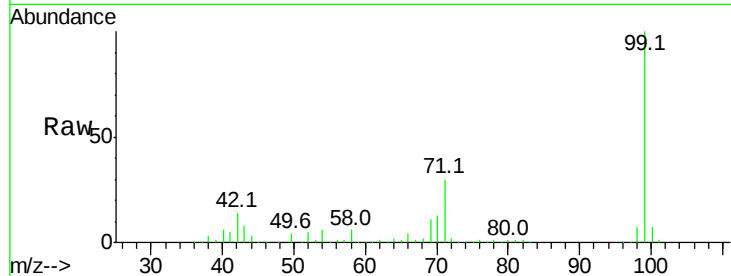
Tot Ion: 99 Resp: 715465

Ion Ratio Lower Upper

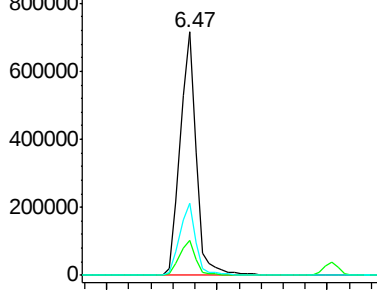
99 100

42 14.3 14.5 21.7#

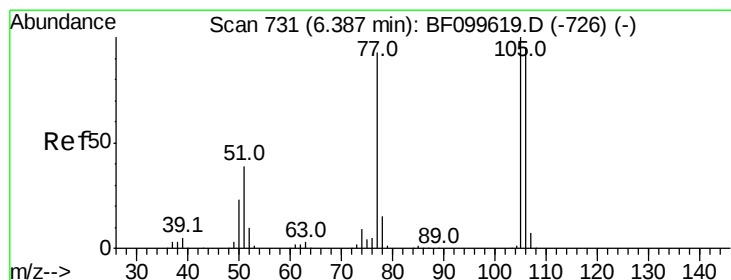
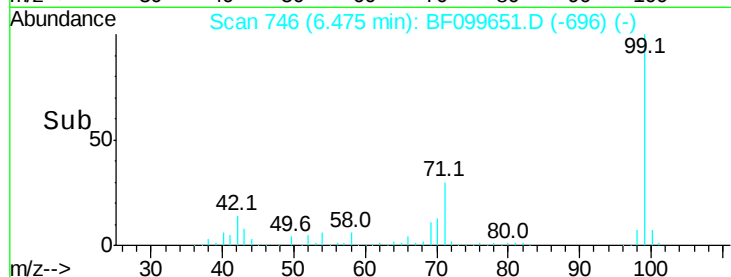
71 29.8 25.4 38.0



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



Time-->



#9

Benzaldehyde

Concen: 3.270 ng

RT: 6.60 min Scan# 768

Delta R.T. 0.22 min

Lab File: BF099651.D

Acq: 19 Oct 2017 7:49

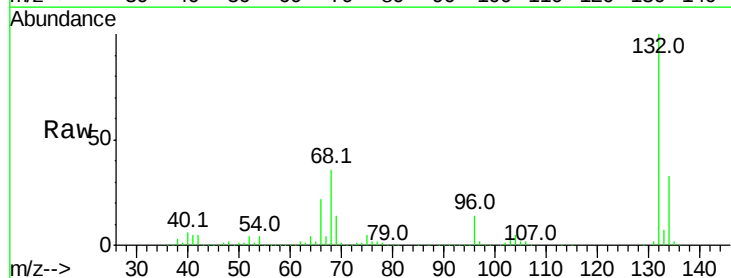
Tgt Ion: 77 Resp: 13102

Ion Ratio Lower Upper

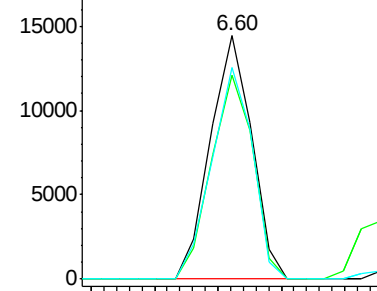
77 100

105 84.0 81.1 121.1

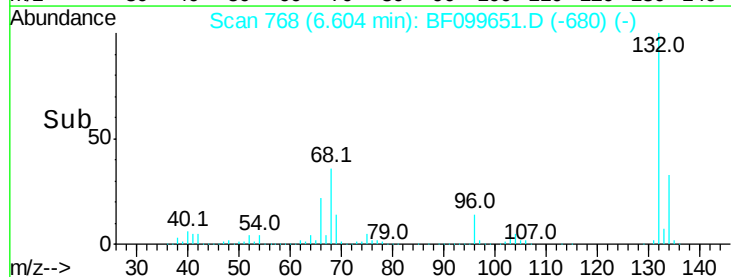
106 86.8 74.5 114.5

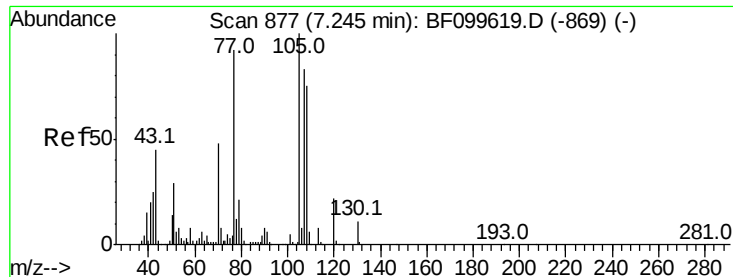


Abundance Ion 77.00 (76.70 to 77.70): BF0
Ion 105.00 (104.70 to 105.70): BF0
Ion 106.00 (105.70 to 106.70): BF0



Time-->

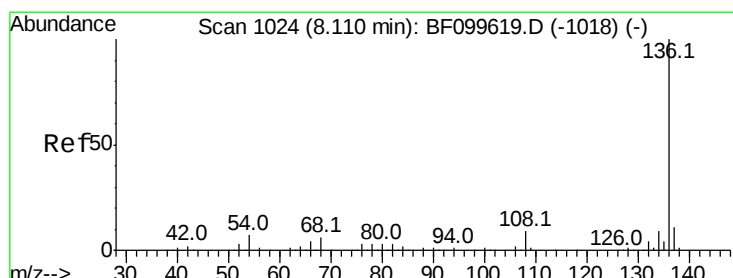
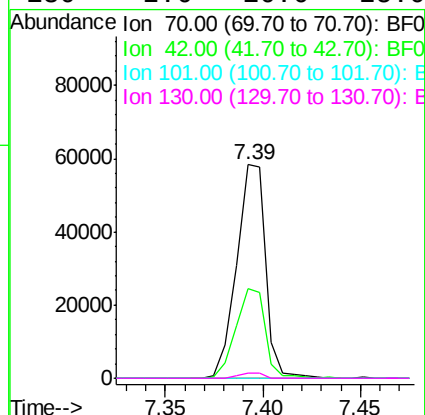
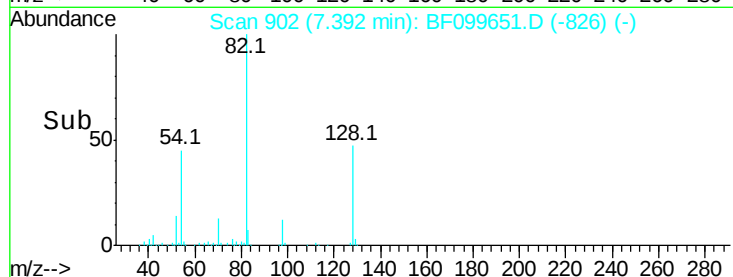
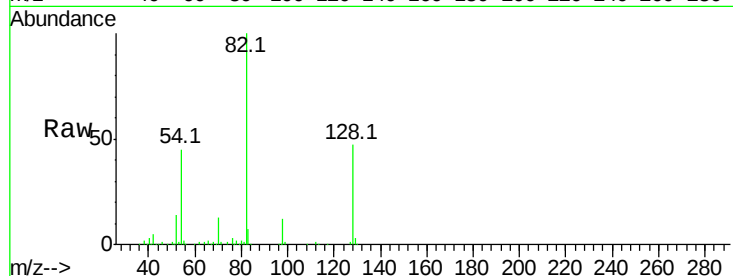




#19
n-Nitroso-di-n-propylamine
Concen: 13.614 ng
RT: 7.39 min Scan# 902
Delta R.T. 0.15 min
Lab File: BF099651.D
Acq: 19 Oct 2017 7:49

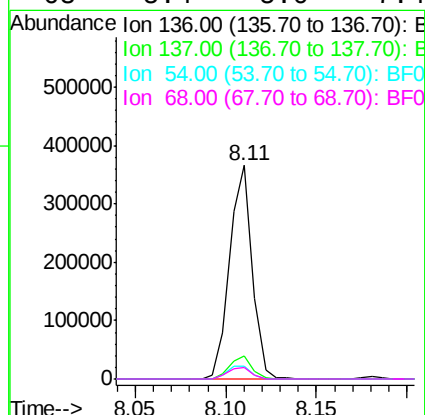
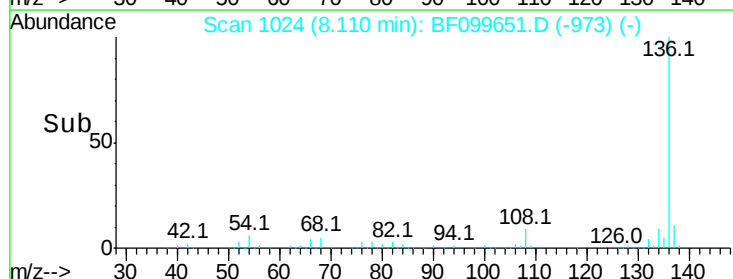
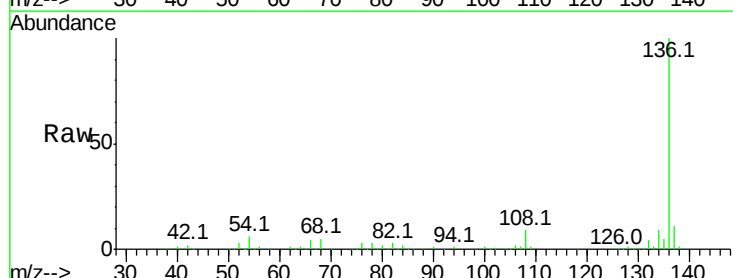
Instrument :
BNA_F
ClientSampleId :

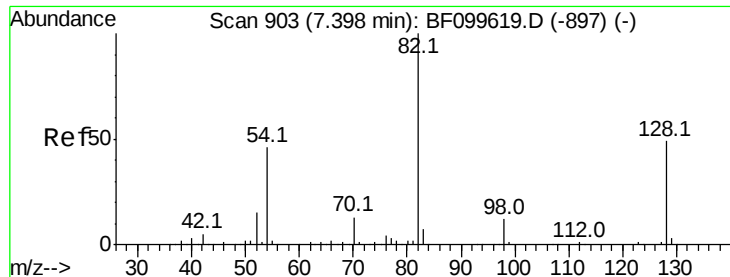
Tot Ion: 70 Resp: 60034
Ion Ratio Lower Upper
70 100
42 42.2 47.5 71.3#
101 0.0 7.4 11.2#
130 2.6 16.6 25.0#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.11 min Scan# 1024
Delta R.T. 0.00 min
Lab File: BF099651.D
Acq: 19 Oct 2017 7:49

Tgt Ion:136 Resp: 317294
Ion Ratio Lower Upper
136 100
137 10.6 8.9 13.3
54 6.2 6.6 9.8#
68 5.4 5.0 7.4

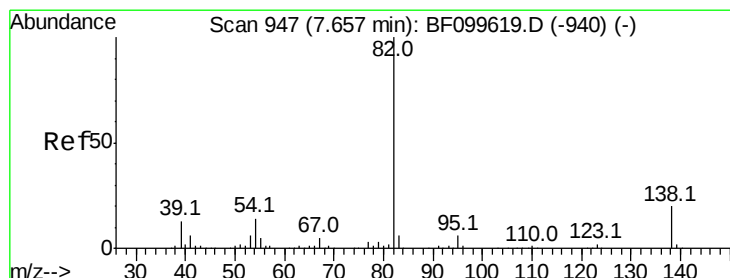
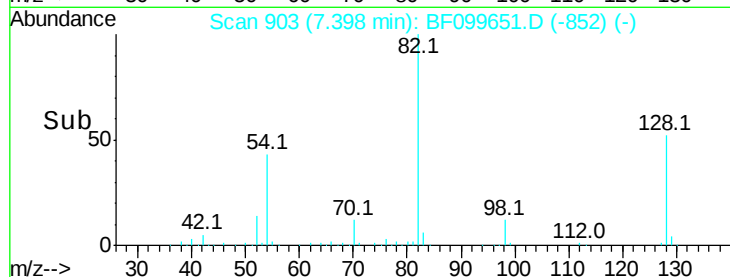
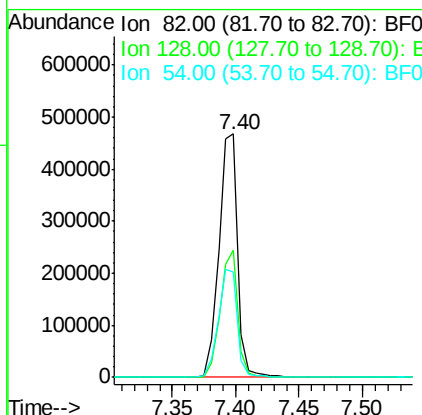
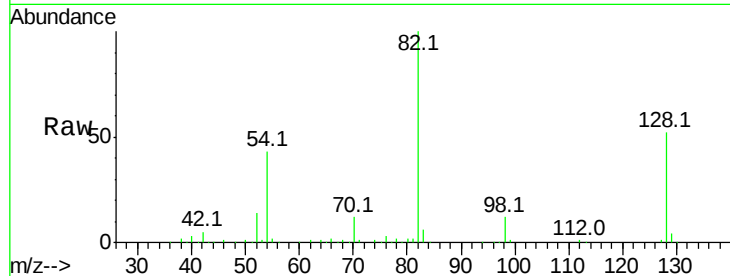




#23
Nitrobenzene-d5
Concen: 97.963 ng
RT: 7.40 min Scan# 903
Delta R.T. 0.00 min
Lab File: BF099651.D
Acq: 19 Oct 2017 7:49

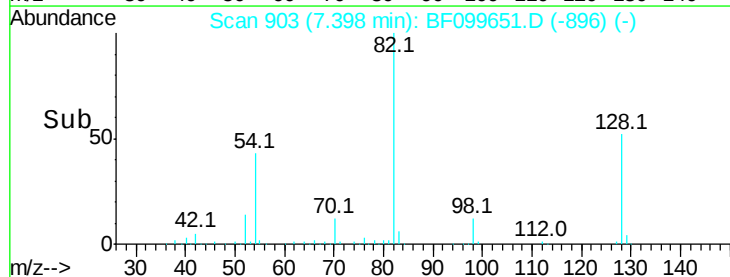
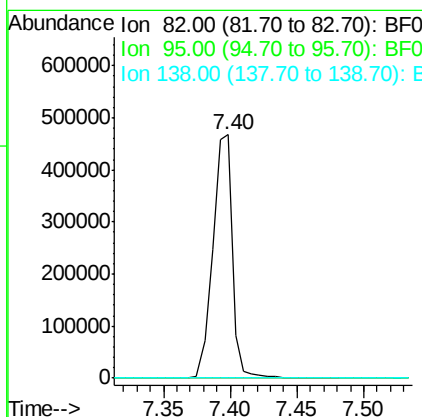
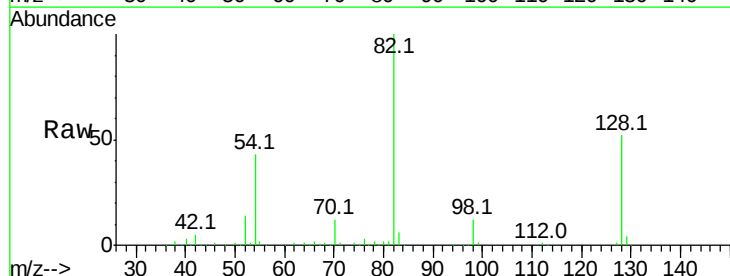
Instrument :
BNA_F
ClientSampleId :

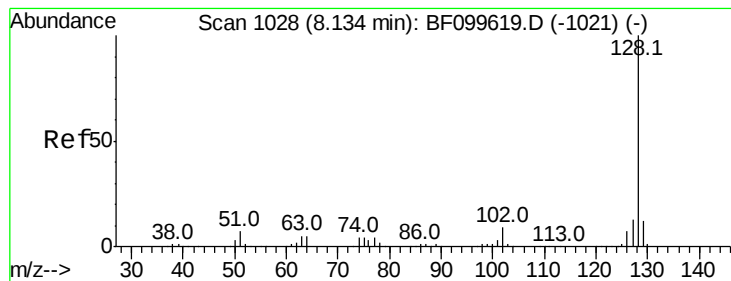
Tot Ion	82	Resp	484687
Ion	Ratio	Lower	Upper
82	100		
128	52.2	36.1	54.1
54	43.2	41.4	62.2



#25
Isophorone
Concen: 47.382 ng
RT: 7.40 min Scan# 903
Delta R.T. -0.26 min
Lab File: BF099651.D
Acq: 19 Oct 2017 7:49

Tgt Ion	82	Resp	484684
Ion	Ratio	Lower	Upper
82	100		
95	0.0	5.2	7.8#
138	0.0	14.9	22.3#





#31

Naphthalene

Concen: 61.673 ng

RT: 8.13 min Scan# 1028

Delta R.T. 0.00 min

Lab File: BF099651.D

Acq: 19 Oct 2017 7:49

Instrument :

BNA_F

ClientSampleId :

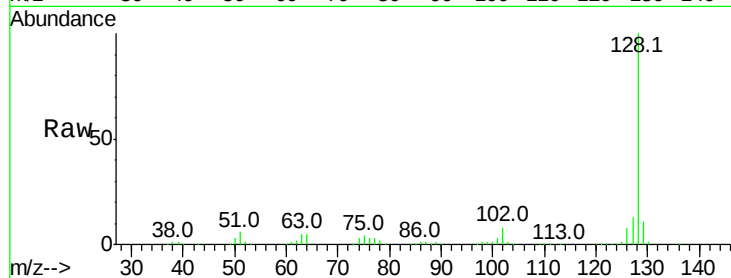
Tot Ion:128 Resp: 919052

Ion Ratio Lower Upper

128 100

129 11.0 8.8 13.2

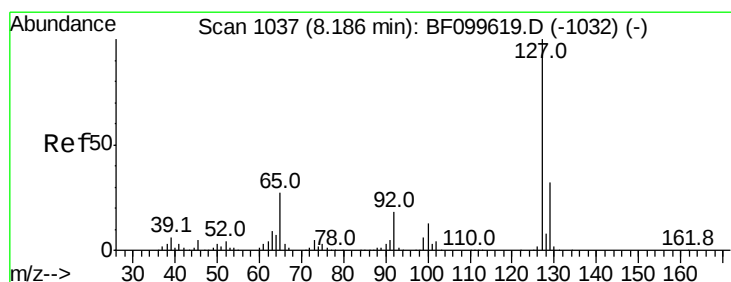
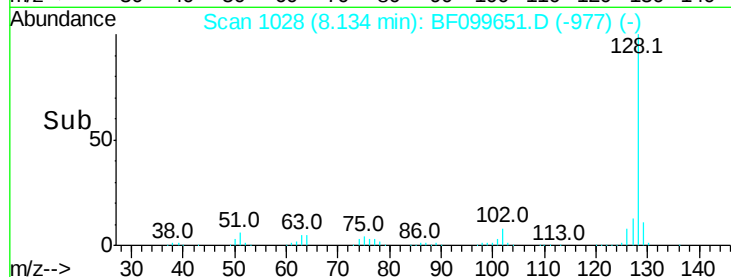
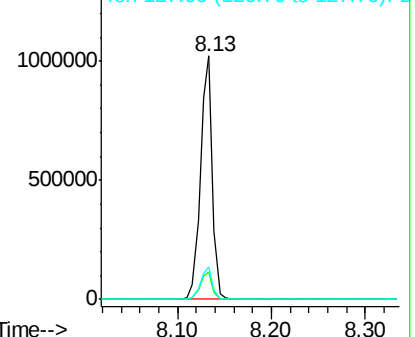
127 13.3 10.9 16.3



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: 19.326 ng

RT: 8.13 min Scan# 1028

Delta R.T. -0.05 min

Lab File: BF099651.D

Acq: 19 Oct 2017 7:49

Tgt Ion:127 Resp: 120265

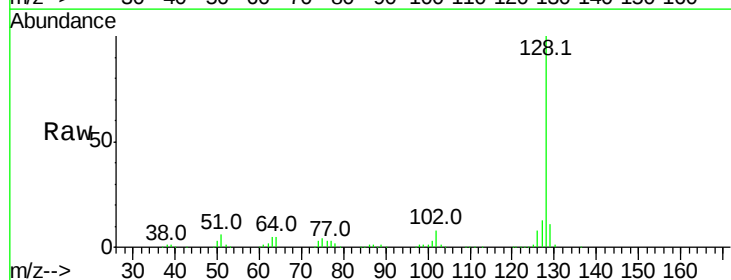
Ion Ratio Lower Upper

127 100

129 82.5 25.9 38.9#

65 0.0 25.0 37.4#

92 0.0 15.2 22.8#

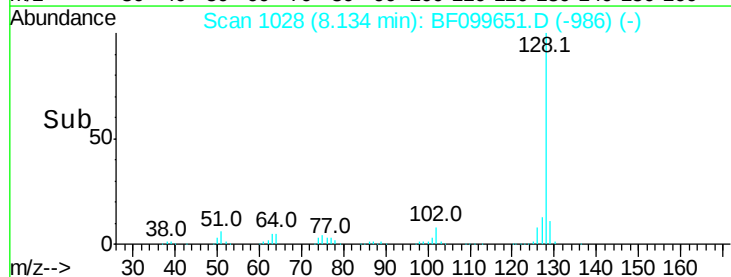
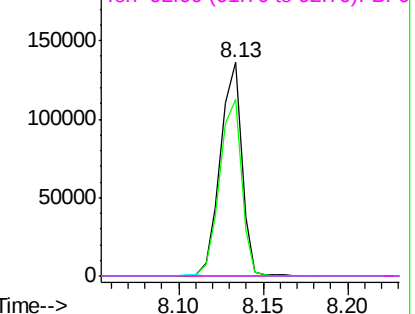


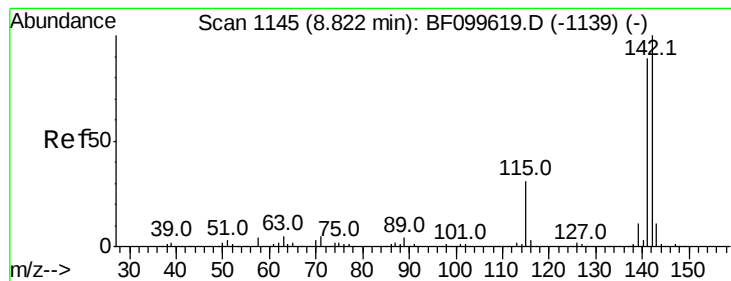
Abundance Ion 127.00 (126.70 to 127.70): E

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: 9.090 ng

RT: 8.82 min Scan# 1145

Delta R.T. 0.00 min

Lab File: BF099651.D

Acq: 19 Oct 2017 7:49

Instrument :

BNA_F

ClientSampleId :

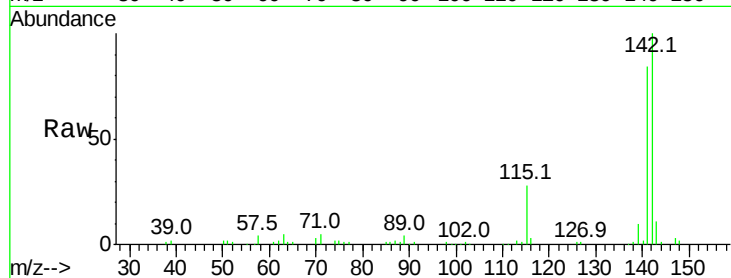
Tot Ion:142 Resp: 88064

Ion Ratio Lower Upper

142 100

141 84.4 70.8 106.2

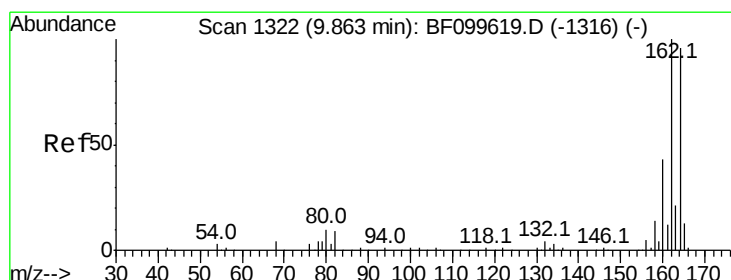
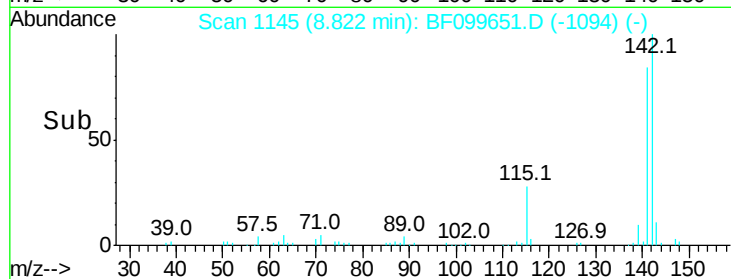
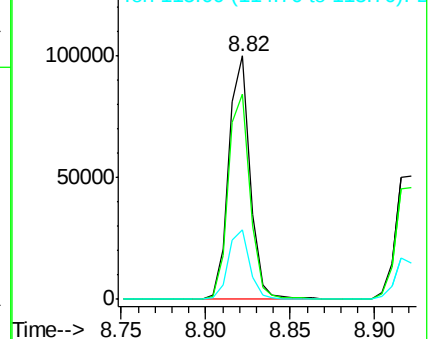
115 28.4 26.1 39.1



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: BF099651.D

Acq: 19 Oct 2017 7:49

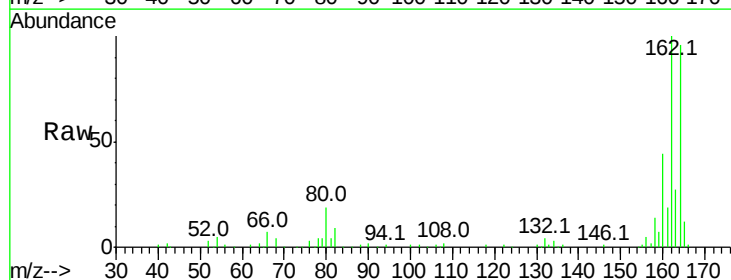
Tgt Ion:164 Resp: 111492

Ion Ratio Lower Upper

164 100

162 103.8 86.1 129.1

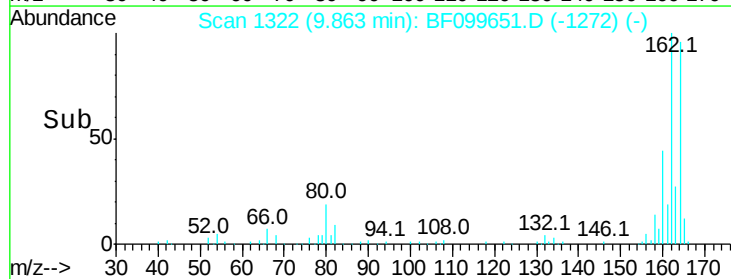
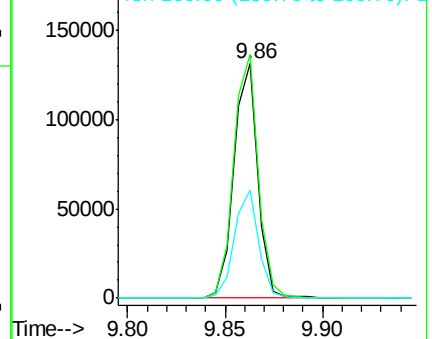
160 45.8 38.3 57.5

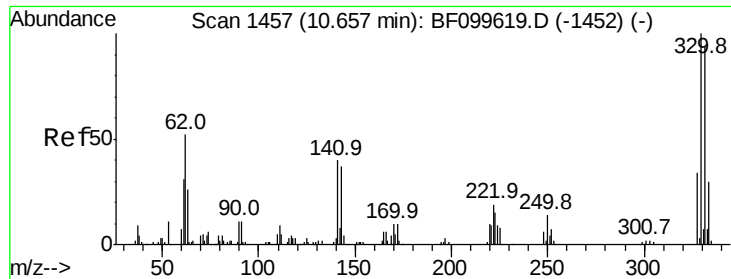


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

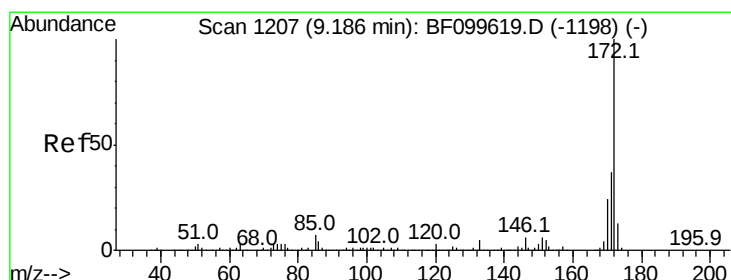
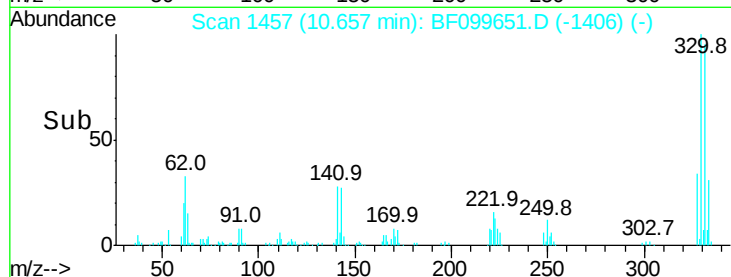
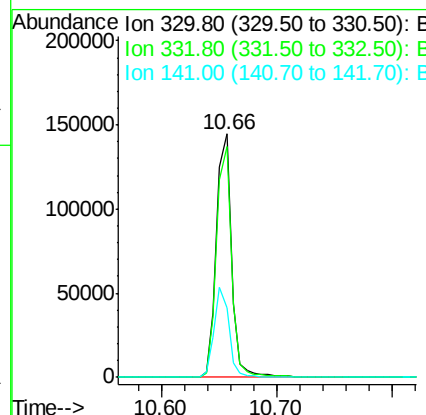
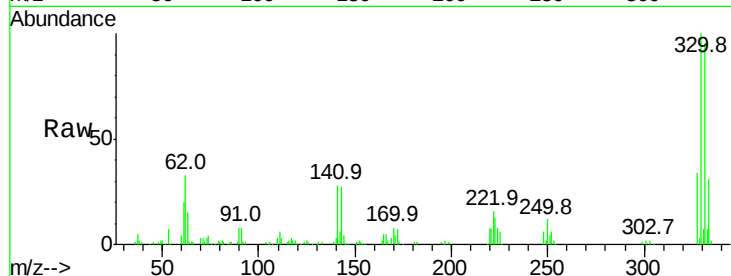




#41
 2,4,6-Tribromophenol
 Concen: 146.012 ng
 RT: 10.66 min Scan# 1457
 Delta R.T. 0.00 min
 Lab File: BF099651.D
 Acq: 19 Oct 2017 7:49

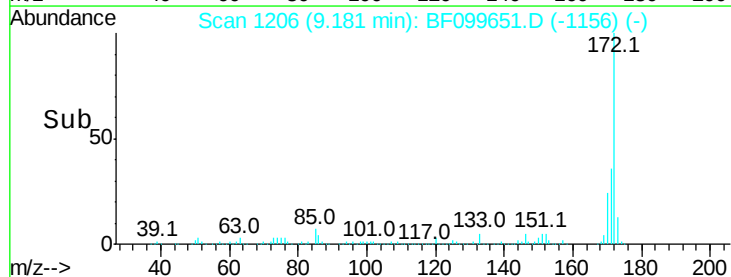
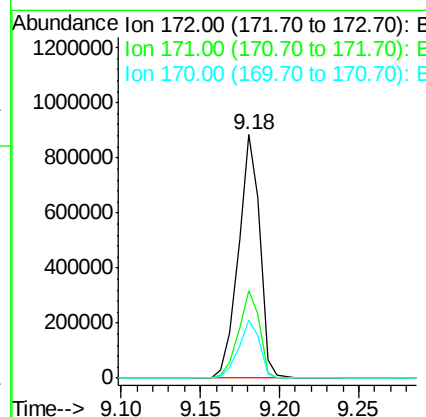
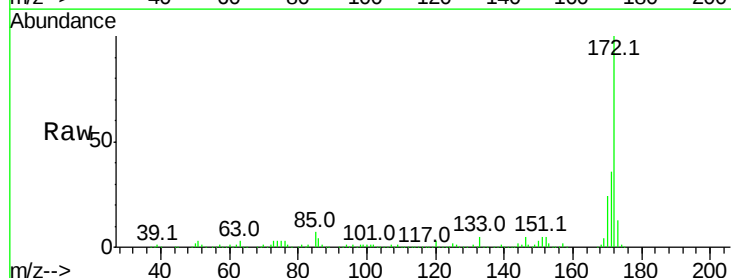
Instrument :
 BNA_F
 ClientSampleId :

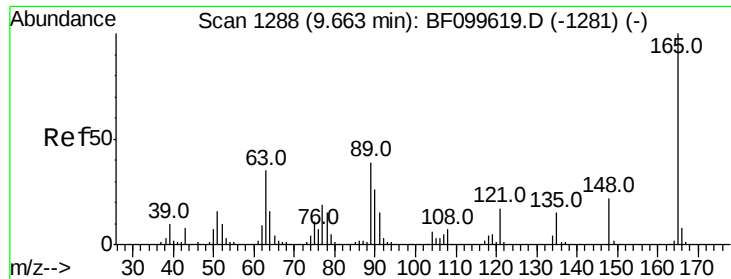
Tot Ion	Ratio	Lower	Upper
330	100		
332	95.4	77.0	115.6
141	36.3	29.9	44.9



#44
 2-Fluorobiphenyl
 Concen: 123.573 ng
 RT: 9.18 min Scan# 1206
 Delta R.T. -0.01 min
 Lab File: BF099651.D
 Acq: 19 Oct 2017 7:49

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.2	29.7	44.5
170	23.9	19.6	29.4

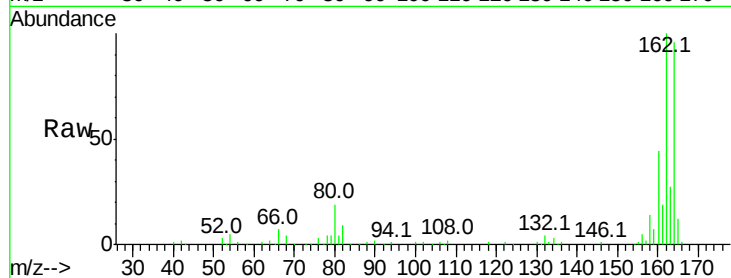




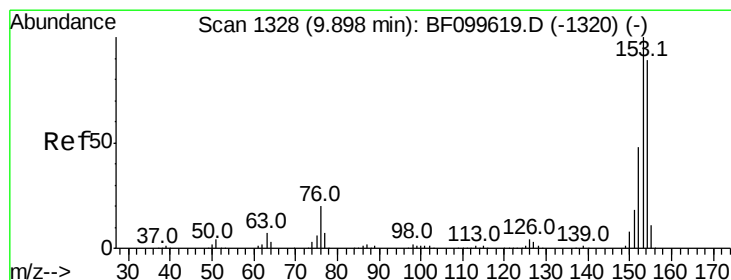
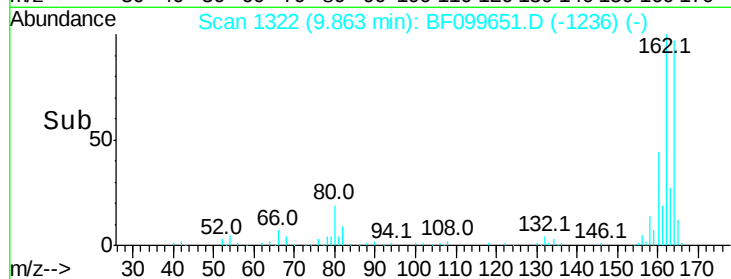
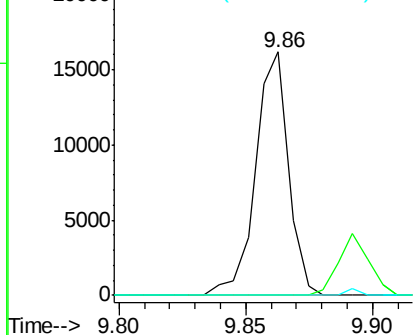
#50
2,6-Dinitrotoluene
Concen: 7.977 ng
RT: 9.86 min Scan# 1322
Delta R.T. 0.21 min
Lab File: BF099651.D
Acq: 19 Oct 2017 7:49

Instrument :
BNA_F
ClientSampleId :

Tot Ion:165 Resp: 14613
Ion Ratio Lower Upper
165 100
63 0.0 44.7 67.1#
89 0.0 44.0 66.0#

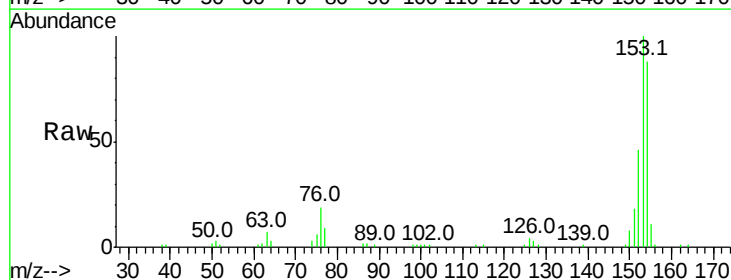


Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BF0
Ion 89.00 (88.70 to 89.70): BF0

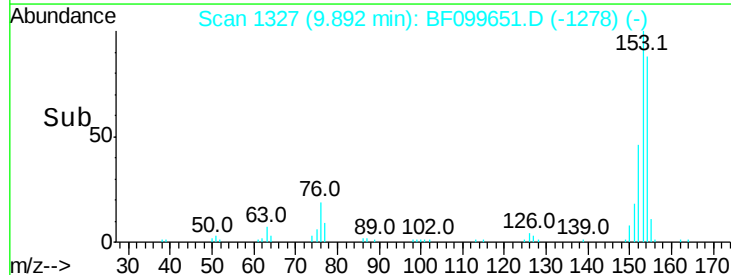
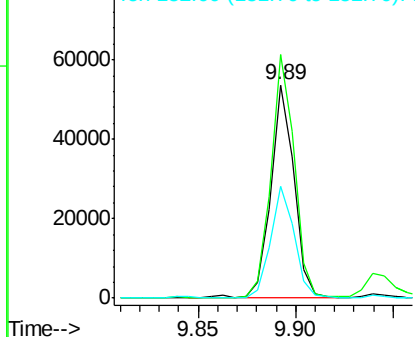


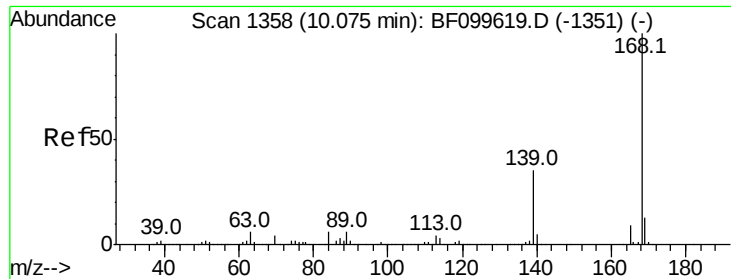
#51
Acenaphthene
Concen: 6.365 ng
RT: 9.89 min Scan# 1327
Delta R.T. -0.01 min
Lab File: BF099651.D
Acq: 19 Oct 2017 7:49

Tgt Ion:154 Resp: 44403
Ion Ratio Lower Upper
154 100
153 114.2 91.2 136.8
152 52.2 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: 5.886 ng

RT: 10.07 min Scan# 1357

Delta R.T. -0.01 min

Lab File: BF099651.D

Acq: 19 Oct 2017 7:49

Instrument :

BNA_F

ClientSampleId :

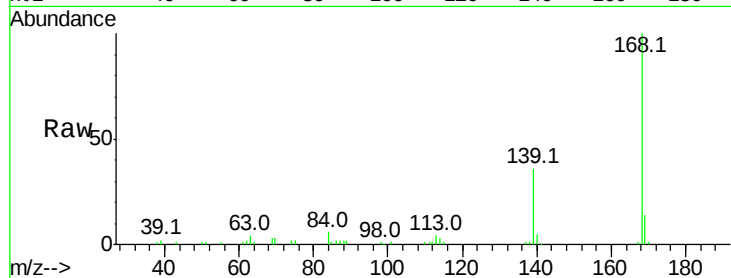
Tot Ion:168 Resp: 54675

Ion Ratio Lower Upper

168 100

139 35.8 30.1 45.1

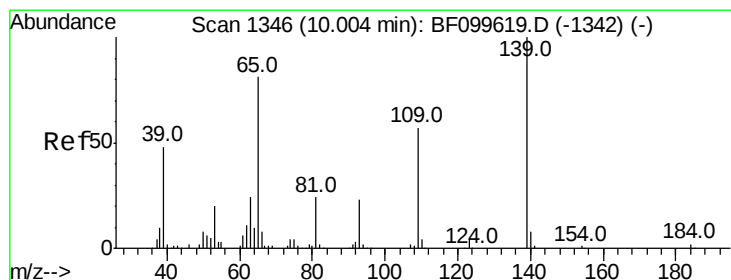
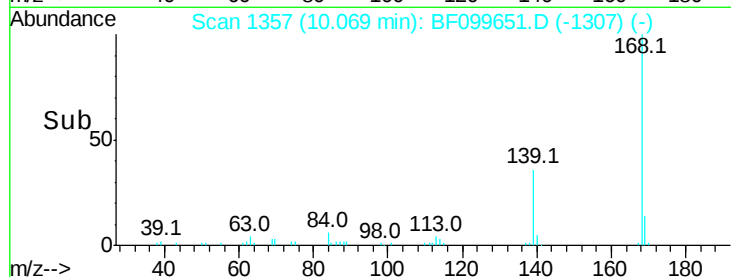
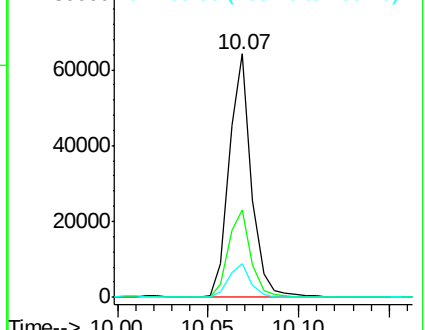
169 13.8 10.9 16.3



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: 10.853 ng

RT: 10.07 min Scan# 1357

Delta R.T. 0.07 min

Lab File: BF099651.D

Acq: 19 Oct 2017 7:49

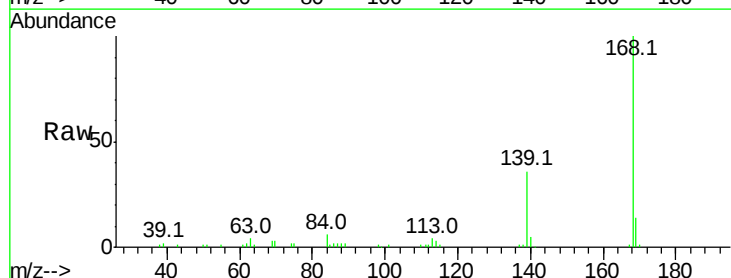
Tgt Ion:139 Resp: 19603

Ion Ratio Lower Upper

139 100

109 0.0 48.4 88.4#

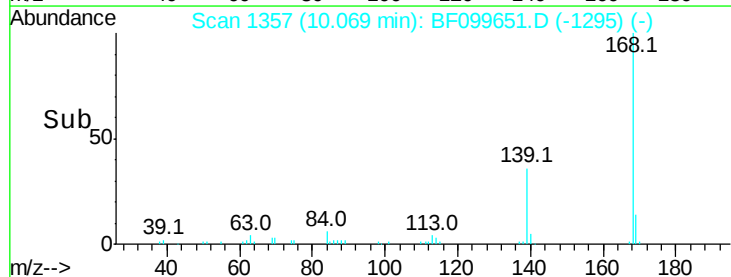
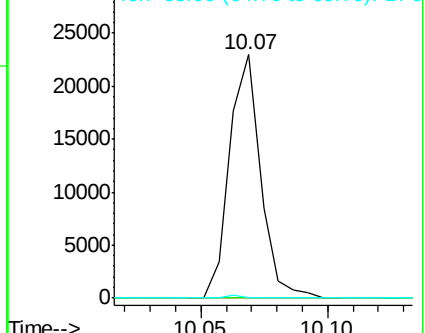
65 0.0 72.6 112.6#

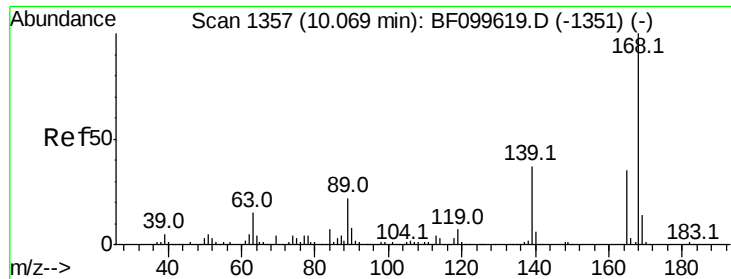


Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BF0

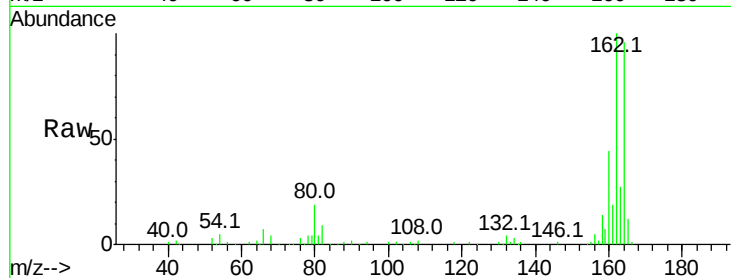




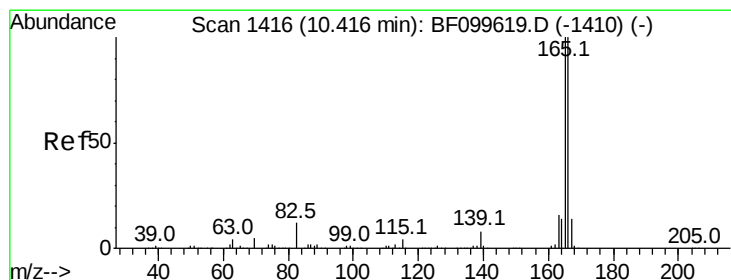
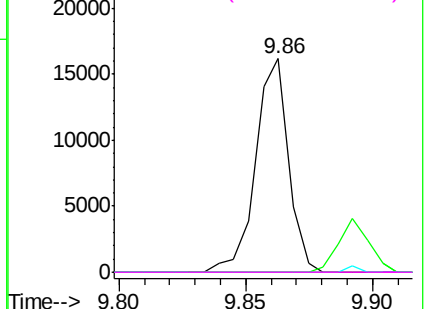
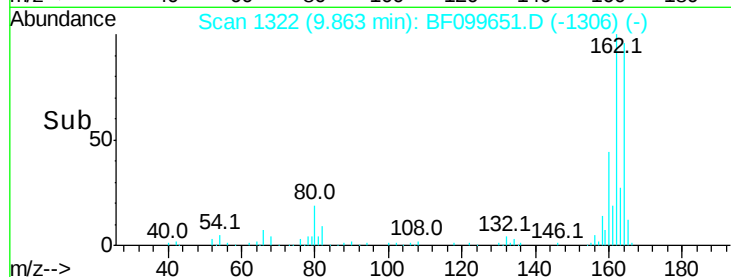
#56
2,4-Dinitrotoluene
Concen: 6.146 ng
RT: 9.86 min Scan# 1322
Delta R.T. -0.21 min
Lab File: BF099651.D
Acq: 19 Oct 2017 7:49

Instrument :
BNA_F
ClientSampled :

Tot Ion:165 Resp: 14613
Ion Ratio Lower Upper
165 100
63 0.0 36.4 54.6#
89 0.0 57.8 86.6#
182 0.0 1.6 2.4#

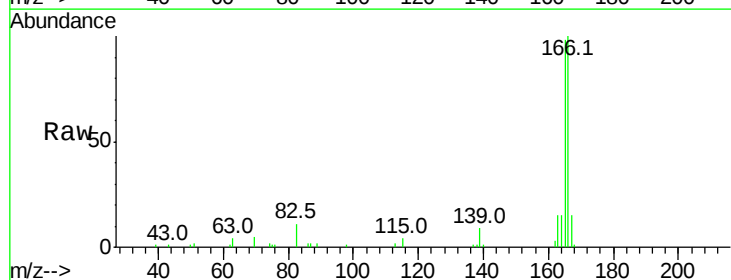


Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BF0
Ion 89.00 (88.70 to 89.70): BF0
Ion 182.00 (181.70 to 182.70): E

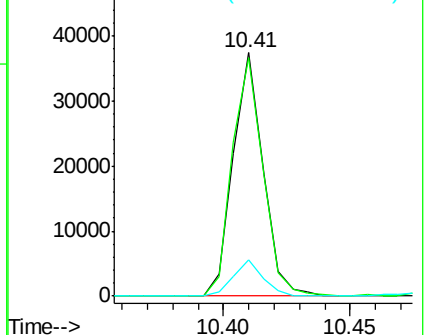
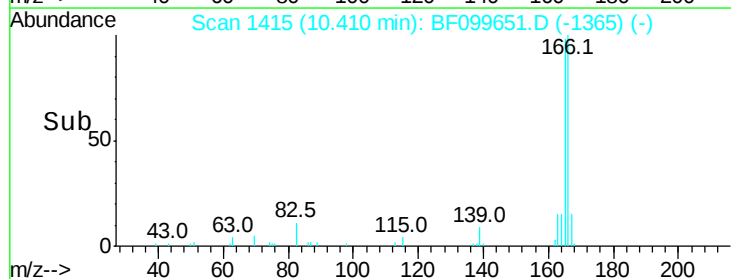


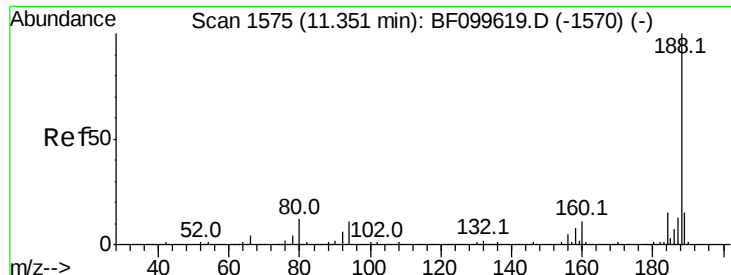
#57
Fluorene
Concen: 4.107 ng
RT: 10.41 min Scan# 1415
Delta R.T. -0.01 min
Lab File: BF099651.D
Acq: 19 Oct 2017 7:49

Tgt Ion:166 Resp: 30660
Ion Ratio Lower Upper
166 100
165 97.8 79.8 119.8
167 15.0 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

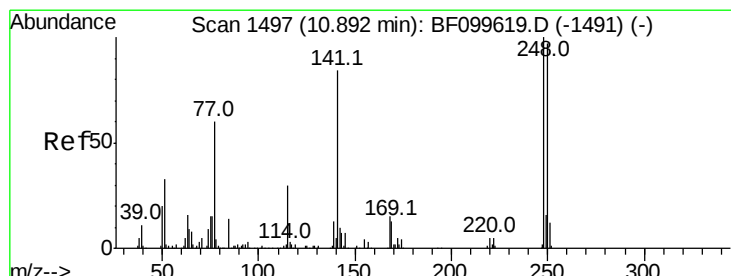
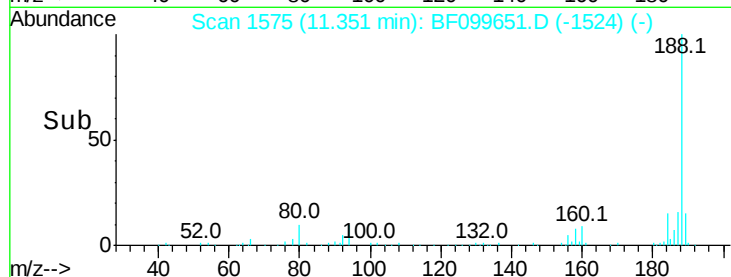
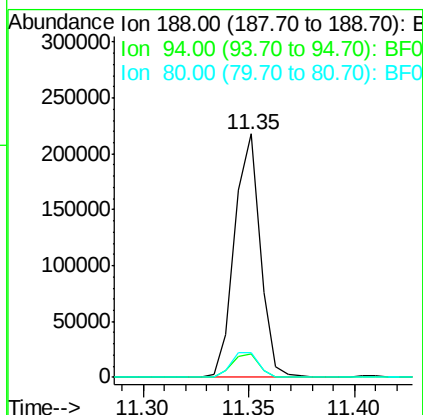
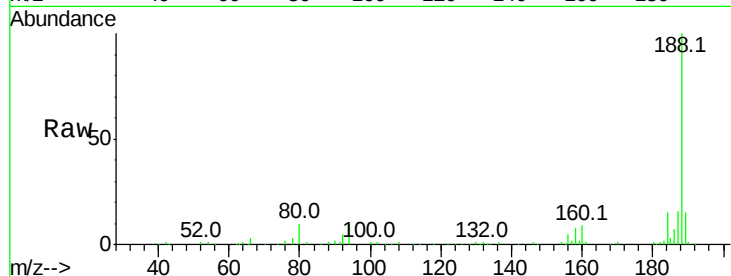




#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.35 min Scan# 1575
 Delta R.T. 0.00 min
 Lab File: BF099651.D
 Acq: 19 Oct 2017 7:49

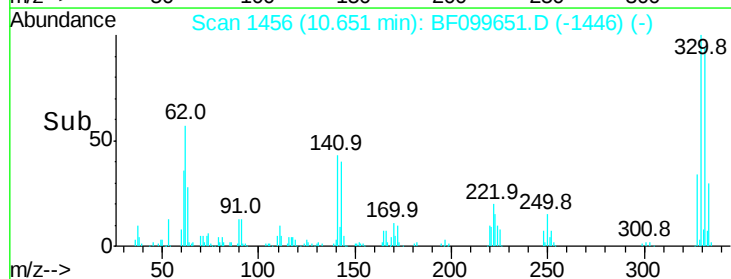
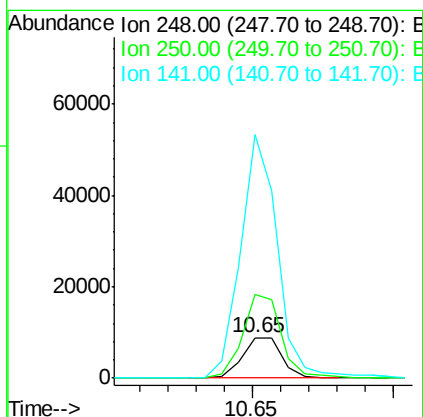
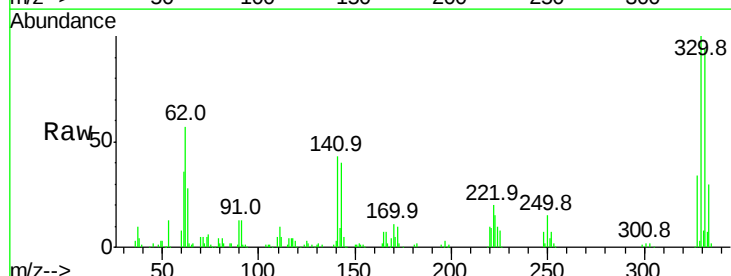
Instrument :
 BNA_F
 ClientSampleId :

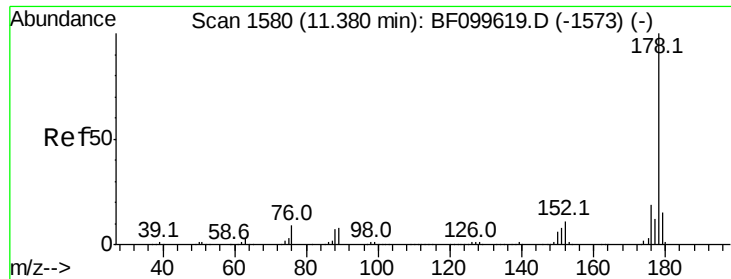
Tot Ion	Ratio	Lower	Upper
188	100		
94	9.8	8.5	12.7
80	10.3	9.2	13.8



#66
 4-Bromophenyl-phenylether
 Concen: 4.789 ng
 RT: 10.65 min Scan# 1456
 Delta R.T. -0.24 min
 Lab File: BF099651.D
 Acq: 19 Oct 2017 7:49

Tgt Ion	Ratio	Lower	Upper
248	100		
250	205.2	76.9	115.3#
141	599.9	74.4	111.6#

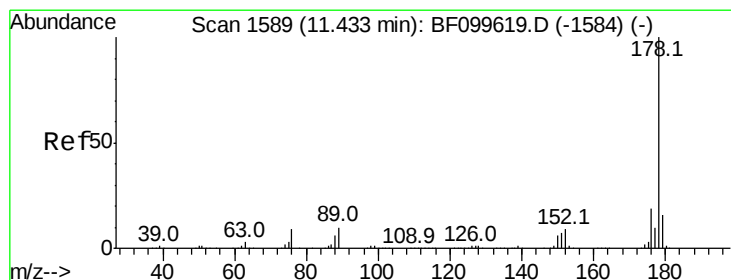
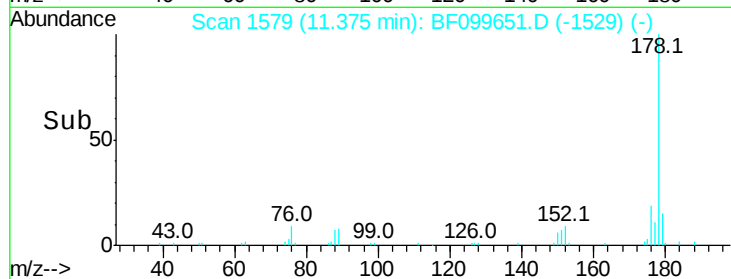
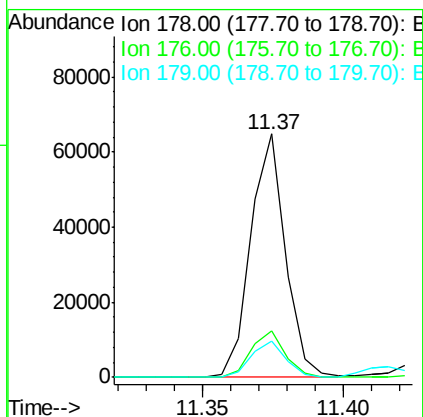
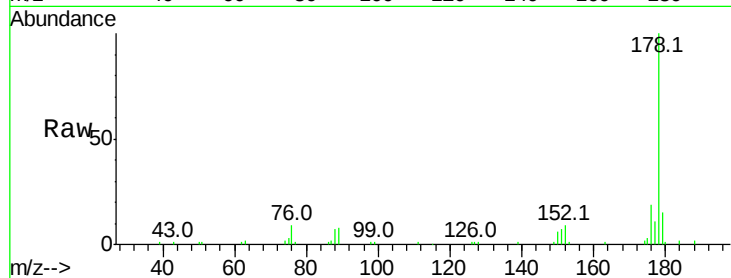




#70
 Phenanthrene
 Concen: 5.650 ng
 RT: 11.37 min Scan# 1579
 Delta R.T. -0.01 min
 Lab File: BF099651.D
 Acq: 19 Oct 2017 7:49

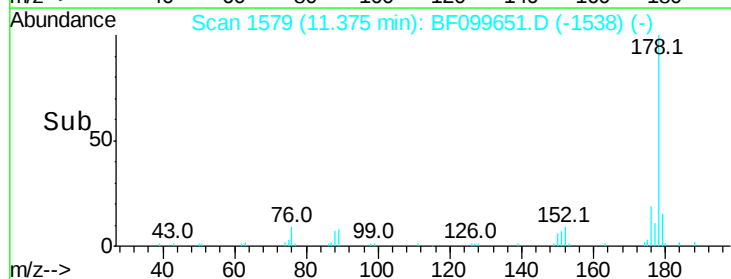
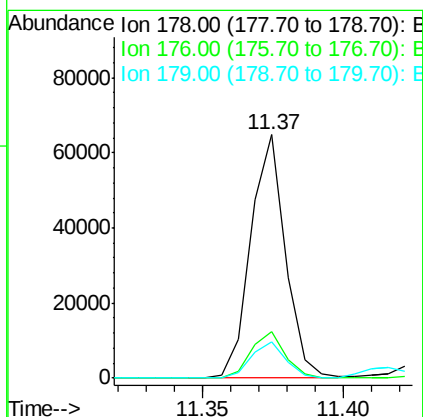
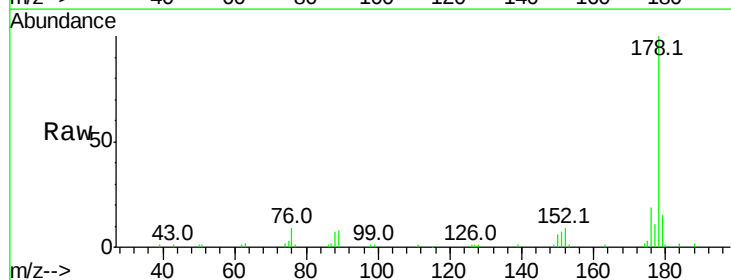
Instrument :
 BNA_F
 ClientSampleId :

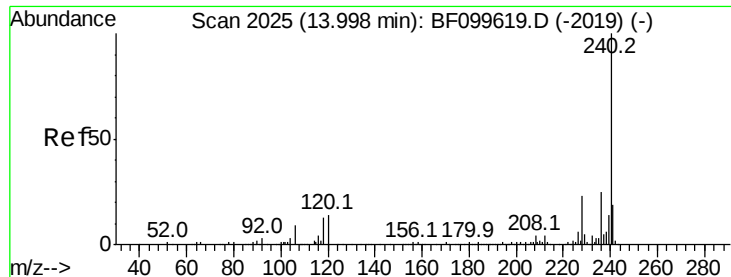
Tot Ion:178 Resp: 55183
 Ion Ratio Lower Upper
 178 100
 176 19.3 15.8 23.8
 179 15.0 13.0 19.6



#71
 Anthracene
 Concen: 5.522 ng
 RT: 11.37 min Scan# 1579
 Delta R.T. -0.06 min
 Lab File: BF099651.D
 Acq: 19 Oct 2017 7:49

Tgt Ion:178 Resp: 55183
 Ion Ratio Lower Upper
 178 100
 176 19.3 15.4 23.2
 179 15.0 12.6 19.0





#75

Chrysene-d12

Concen: 20.000 ng

RT: 13.99 min Scan# 2024

Delta R.T. -0.01 min

Lab File: BF099651.D

Acq: 19 Oct 2017 7:49

Instrument :

BNA_F

ClientSampleId :

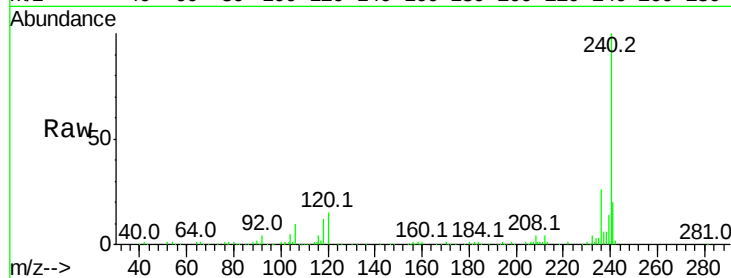
Tot Ion:240 Resp: 190294

Ion Ratio Lower Upper

240 100

120 14.8 9.5 14.3#

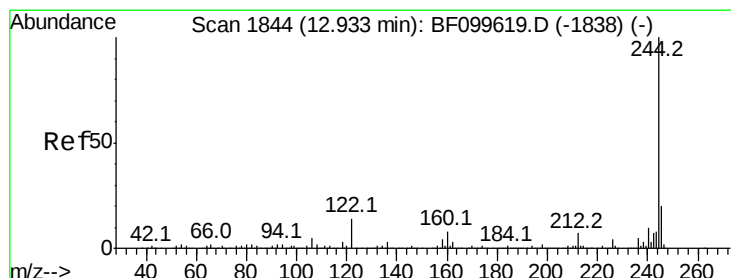
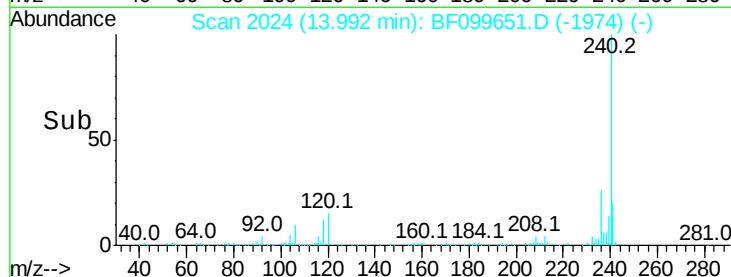
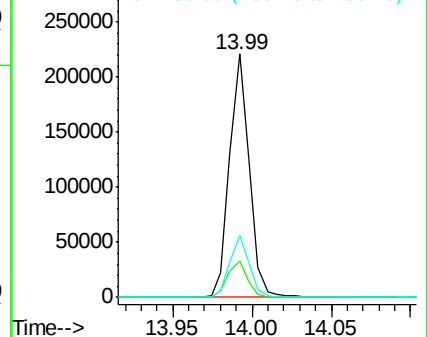
236 25.5 20.7 31.1



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: 82.170 ng

RT: 12.93 min Scan# 1844

Delta R.T. 0.00 min

Lab File: BF099651.D

Acq: 19 Oct 2017 7:49

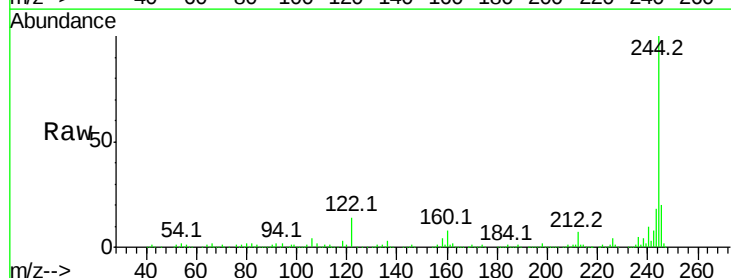
Tgt Ion:244 Resp: 687556

Ion Ratio Lower Upper

244 100

212 7.1 5.4 8.0

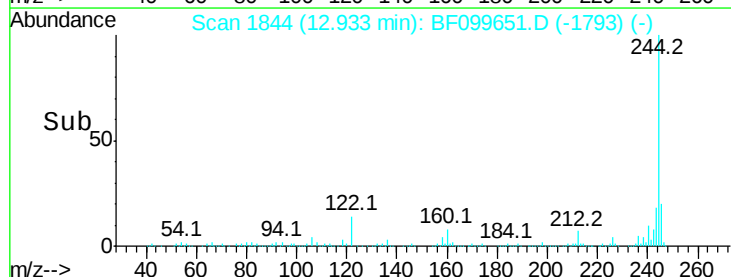
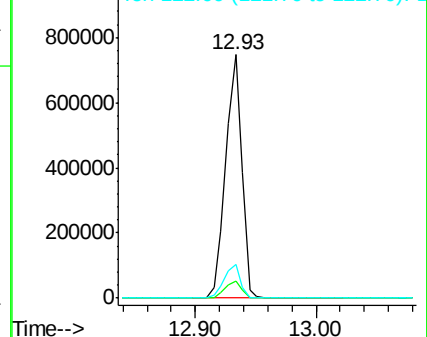
122 13.8 11.0 16.4

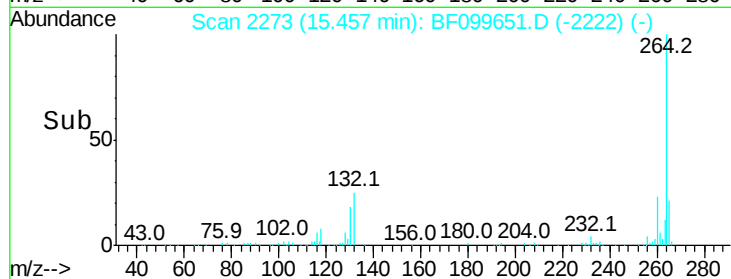
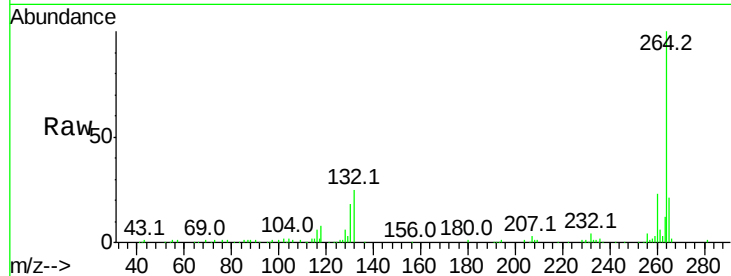
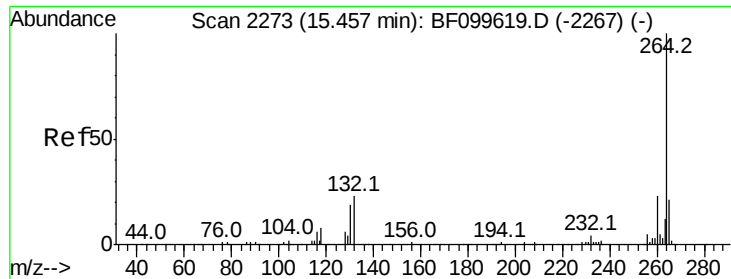


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#86

Pervlene-d12

Concen: 20.000 ng

RT: 15.46 min Scan# 2273

Delta R.T. 0.00 min

Lab File: BF099651.D

Acq: 19 Oct 2017 7:49

Instrument :

BNA_F

ClientSampleId :

Tot Ion:264 Resp: 147176

Ion Ratio Lower Upper

264 100

260 23.1 19.2 28.8

265 21.4 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

