

Data Path : U:\HPCHEM1\BNA F\DATA\BF020518\
 Data File : BF102739.D
 Acq On : 5 Feb 2018 15:50
 Operator : SJ/JU
 Sample : J1445-01
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Feb 05 16:59:58 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF020318.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Feb 05 12:44:16 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.88	152	204353	20.00	ng	0.00
21) Naphthalene-d8	8.16	136	812283	20.00	ng	0.00
38) Acenaphthene-d10	9.93	164	262227	20.00	ng	0.00
63) Phenanthrene-d10	11.43	188	208753	20.00	ng	0.02
75) Chrysene-d12	14.06	240	280231	20.00	ng	0.01
86) Perylene-d12	15.53	264	289448	20.00	ng	0.00

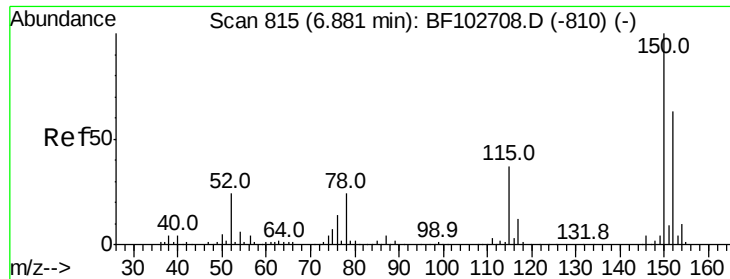
System Monitoring Compounds

5) 2-Fluorophenol	5.50	112	1258958	93.56	ng	0.00
7) Phenol-d6	6.50	99	1503230	92.78	ng	0.00
23) Nitrobenzene-d5	7.45	82	910781	77.78	ng	0.00
41) 2,4,6-Tribromophenol	10.73	330	175242	83.03	ng	0.02
44) 2-Fluorobiphenyl	9.24	172	1475061	93.34	ng	0.00
78) Terphenyl-d14	13.02	244	646455	54.62	ng	0.02

Target Compounds

						Qvalue
9) Benzaldehyde	6.65	77	27442	2.281	ng	83
10) Phenol	6.52	94	54634	3.146	ng	97
19) n-Nitroso-di-n-propylamine	7.45	70	122460	11.464	ng	# 82
25) Isophorone	7.45	82	910770	33.779	ng	# 64
32) Benzoic acid	7.85	122	6044	9.269	ng	92
47) 2-Nitroaniline	9.47	65	2598	3.921	ng	# 42
49) Dimethylphthalate	9.63	163	80621	3.943	ng	# 64
50) 2,6-Dinitrotoluene	9.72	165	8478	2.179	ng	# 34
52) 3-Nitroaniline	9.87	138	20289	4.239	ng	# 19
53) 2,4-Dinitrophenol	9.99	184	579	8.774	ng	# 1
55) 4-Nitrophenol	10.03	139	9765	6.382	ng	# 1
56) 2,4-Dinitrotoluene	10.13	165	9068	4.702	ng	# 44
61) 4-Nitroaniline	10.39	138	40051	8.791	ng	82
64) 4,6-Dinitro-2-methylphenol	10.54	198	2334	11.262	ng	# 1
65) n-Nitrosodiphenylamine	10.85	169	68500	9.303	ng	92
70) Phenanthrene	11.46	178	54049	4.649	ng	# 16
73) Di-n-butylphthalate	11.99	149	45315	3.220	ng	# 28
83) Bis(2-ethylhexyl)phthalate	14.03	149	32230	2.394	ng	# 82
84) Di-n-octyl phthalate	14.64	149	49861	2.467	ng	# 75

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

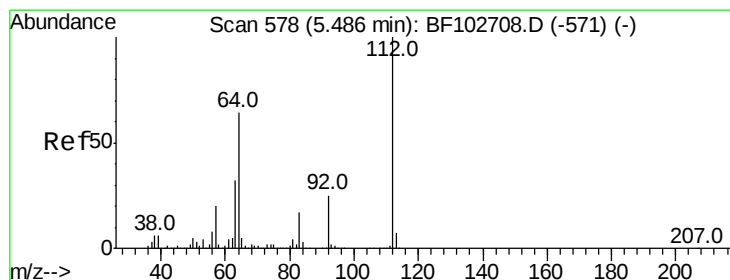
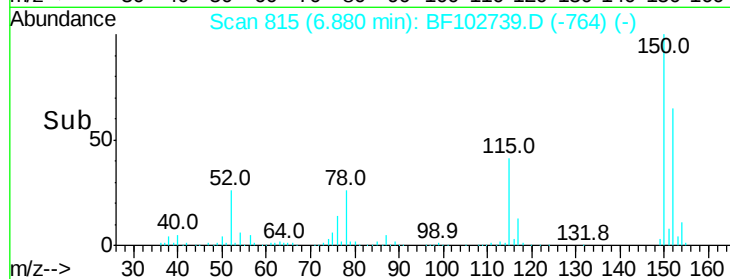
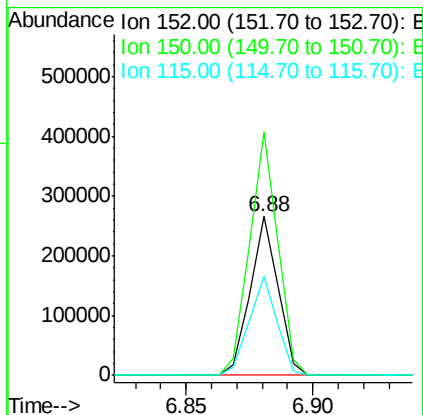
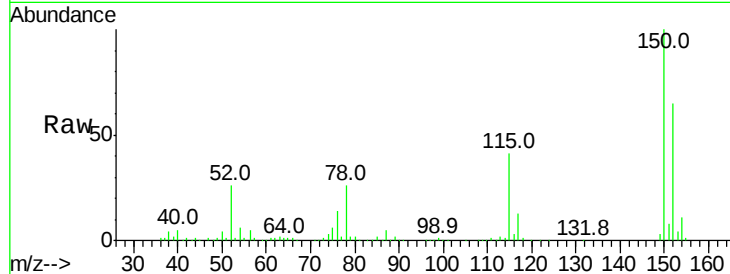


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.88 min Scan# 815
Delta R.T. -0.00 min
Lab File: BF102739.D
Acq: 5 Feb 2018 15:50

Instrument :
BNA_F
ClientSampleId :

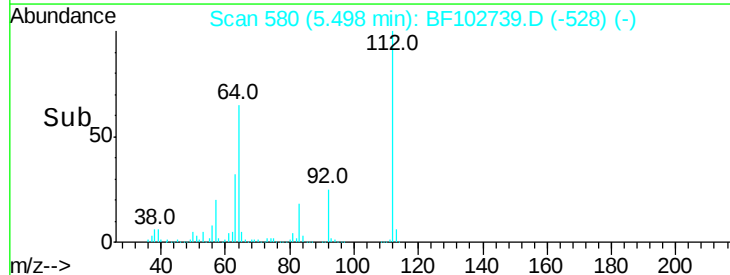
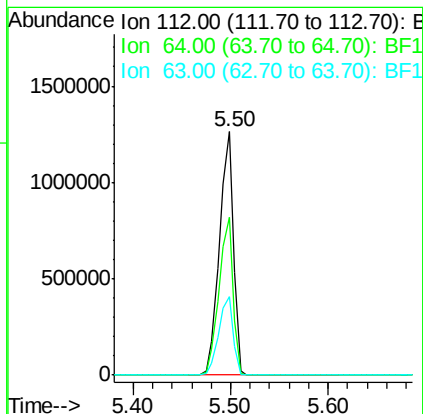
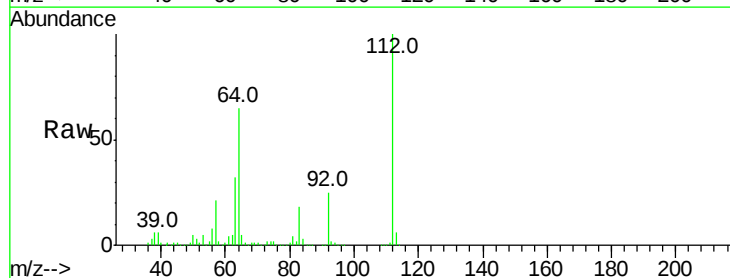
Tot Ion:152 Resp: 204353
Ion Ratio Lower Upper
152 100
150 153.5 124.6 186.8
115 62.7 50.1 75.1

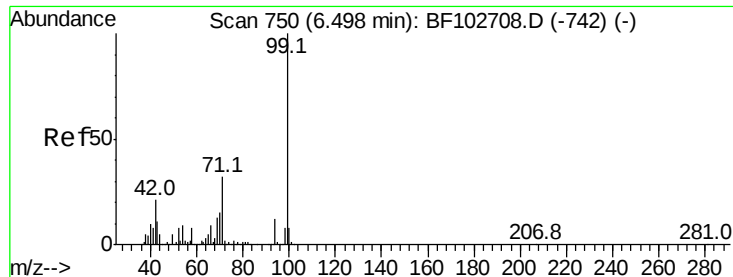


#5

2-Fluorophenol
Concen: 93.561 ng
RT: 5.50 min Scan# 580
Delta R.T. 0.01 min
Lab File: BF102739.D
Acq: 5 Feb 2018 15:50

Tgt Ion:112 Resp: 1258958
Ion Ratio Lower Upper
112 100
64 64.9 47.9 71.9
63 32.2 23.7 35.5





#7

Phenol-d6

Concen: 92.780 ng

RT: 6.50 min Scan# 751

Delta R.T. -0.00 min

Lab File: BF102739.D

Acq: 5 Feb 2018 15:50

Instrument :

BNA_F

ClientSampleId :

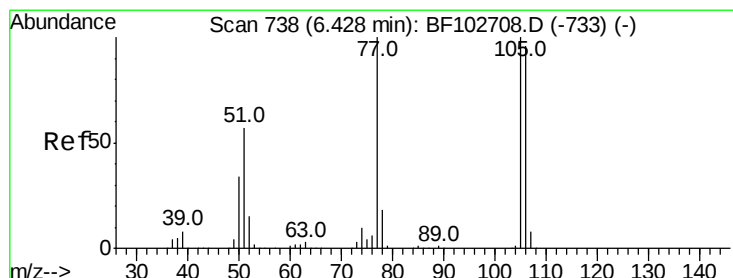
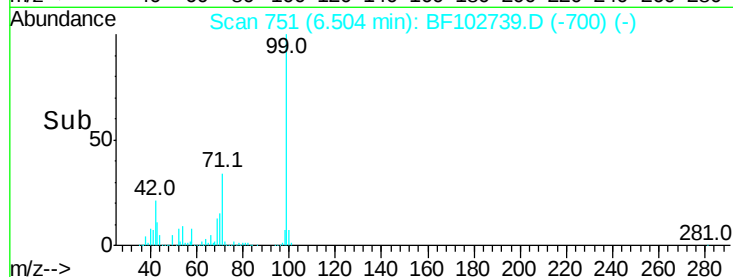
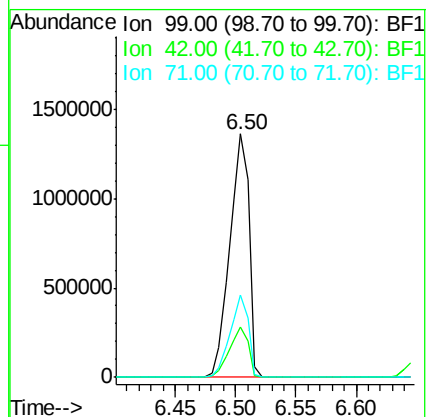
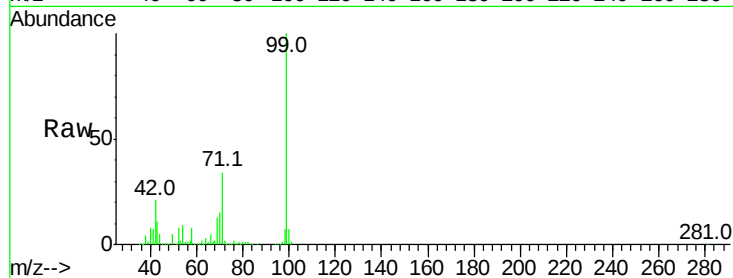
Tot Ion: 99 Resp: 1503230

Ion Ratio Lower Upper

99 100

42 20.8 14.5 21.7

71 33.9 25.4 38.0



#9

Benzaldehyde

Concen: 2.281 ng

RT: 6.65 min Scan# 776

Delta R.T. 0.22 min

Lab File: BF102739.D

Acq: 5 Feb 2018 15:50

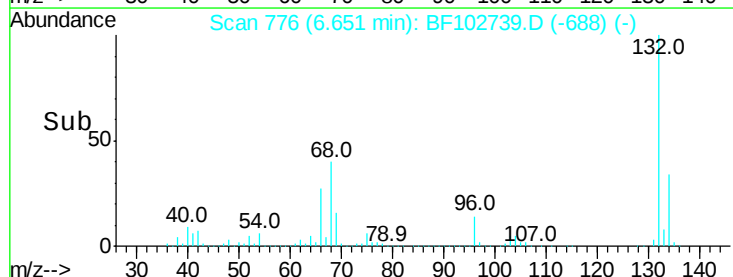
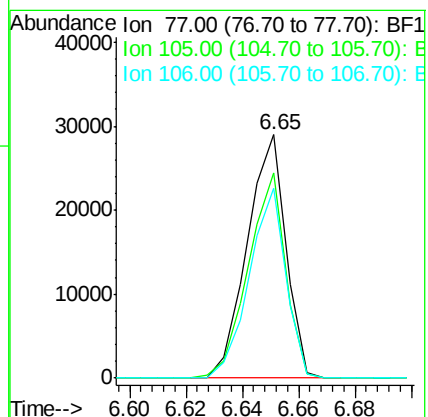
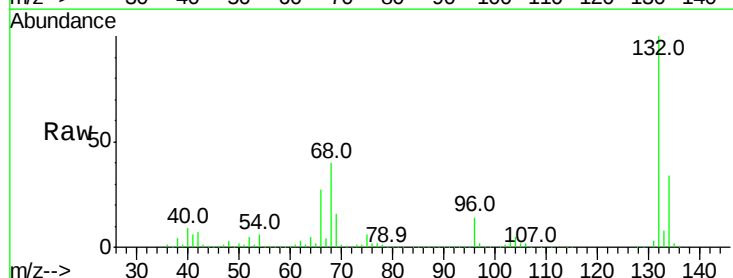
Tgt Ion: 77 Resp: 27442

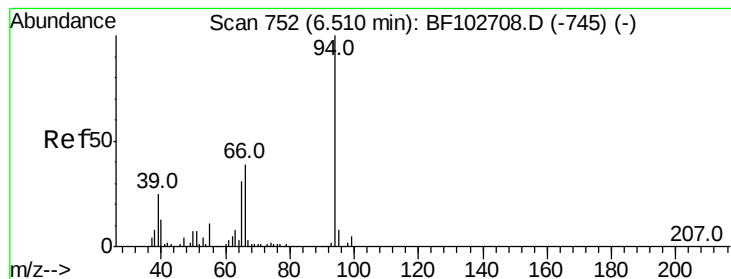
Ion Ratio Lower Upper

77 100

105 84.3 81.1 121.1

106 77.8 74.5 114.5





#10

Phenol

Concen: 3.146 ng

RT: 6.52 min Scan# 753

Delta R.T. -0.01 min

Lab File: BF102739.D

Acq: 5 Feb 2018 15:50

Instrument :

BNA_F

ClientSampled :

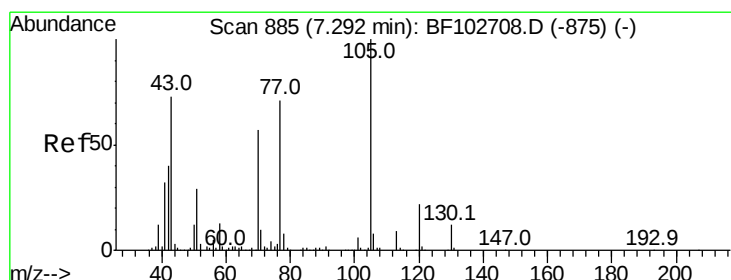
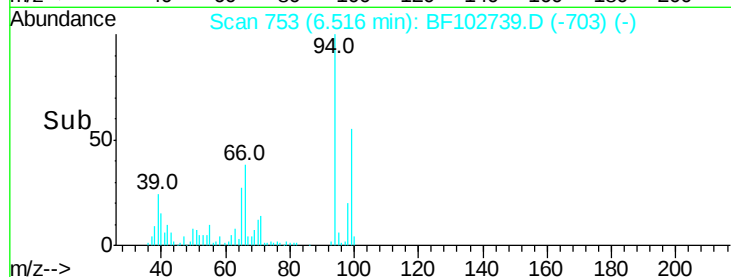
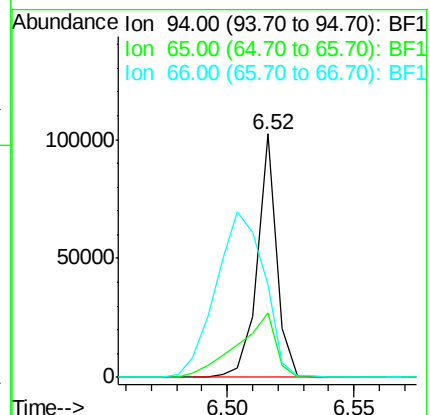
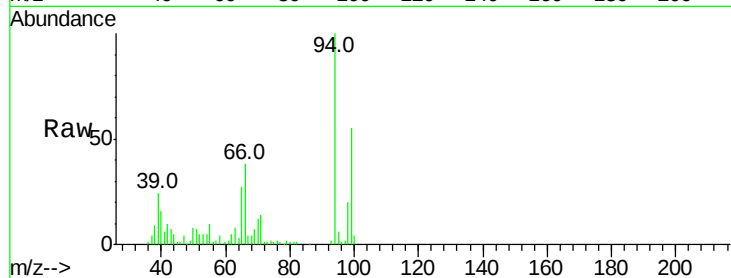
Tot Ion: 94 Resp: 54634

Ion Ratio Lower Upper

94 100

65 26.6 7.9 47.9

66 38.0 16.2 56.2



#19

n-Nitroso-di-n-propylamine

Concen: 11.464 ng

RT: 7.45 min Scan# 911

Delta R.T. 0.15 min

Lab File: BF102739.D

Acq: 5 Feb 2018 15:50

Tgt Ion: 70 Resp: 122460

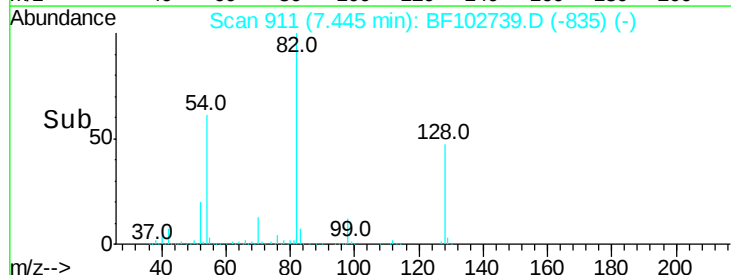
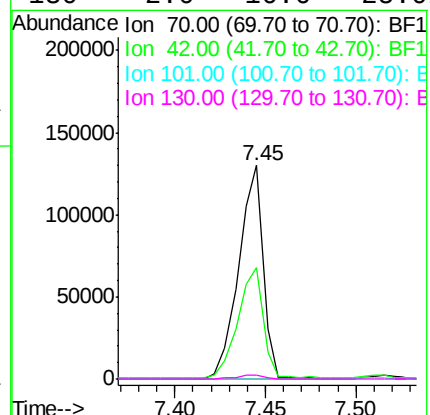
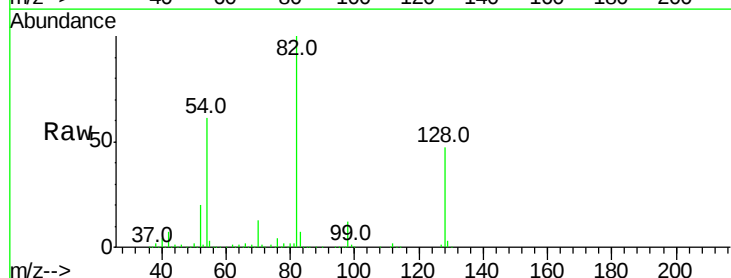
Ion Ratio Lower Upper

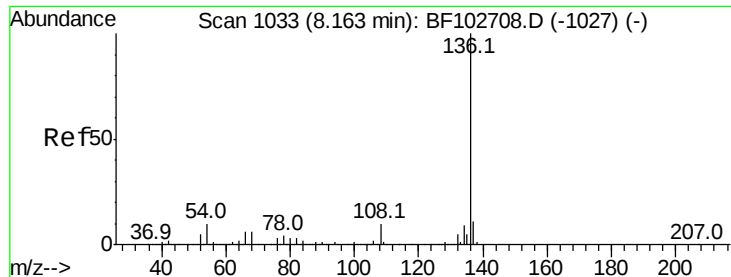
70 100

42 52.4 47.5 71.3

101 0.0 7.4 11.2#

130 2.0 16.6 25.0#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.16 min Scan# 1033

Delta R.T. -0.01 min

Lab File: BF102739.D

Acq: 5 Feb 2018 15:50

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 812283

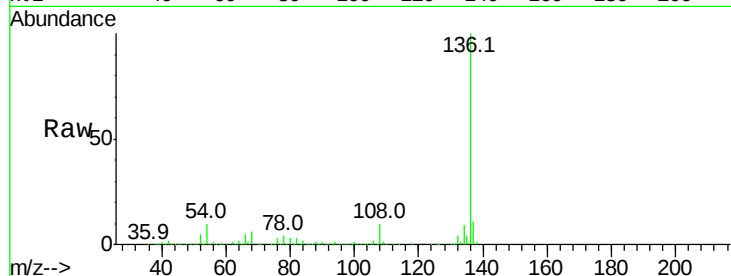
Ion Ratio Lower Upper

136 100

137 11.0 8.9 13.3

54 10.4 6.6 9.8#

68 6.5 5.0 7.4

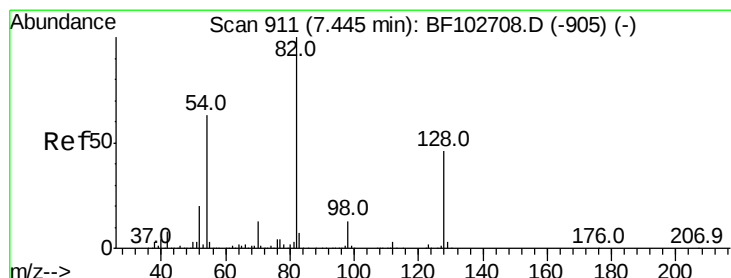
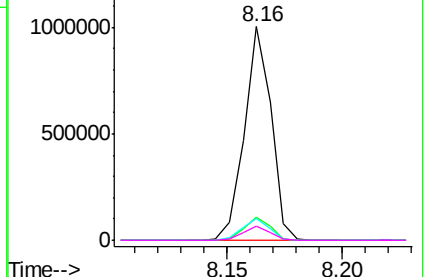
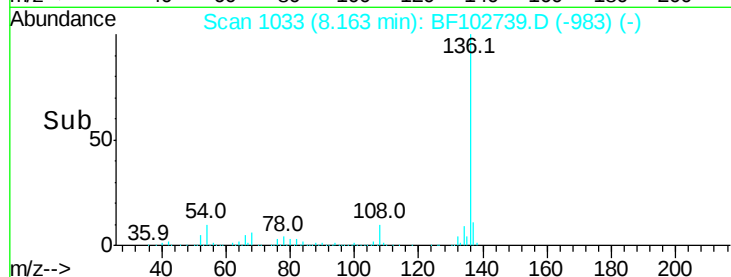


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF1

Ion 68.00 (67.70 to 68.70): BF1



#23

Nitrobenzene-d5

Concen: 77.783 ng

RT: 7.45 min Scan# 911

Delta R.T. -0.01 min

Lab File: BF102739.D

Acq: 5 Feb 2018 15:50

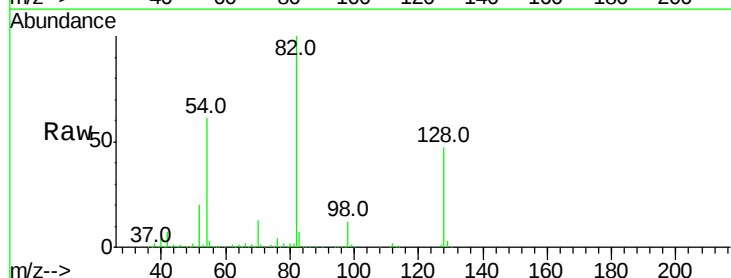
Tgt Ion: 82 Resp: 910781

Ion Ratio Lower Upper

82 100

128 47.5 36.1 54.1

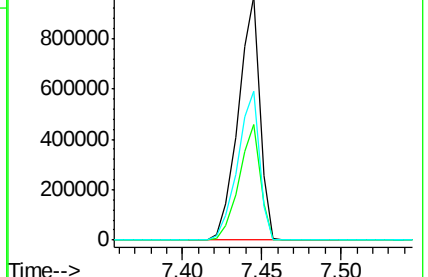
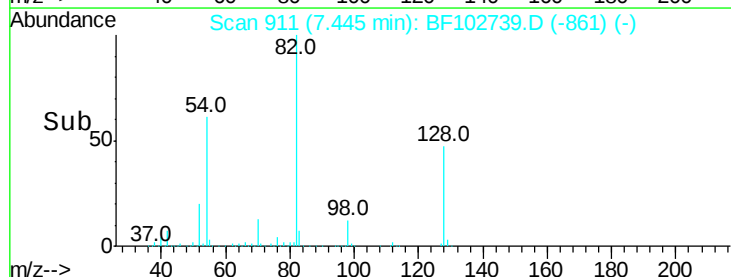
54 61.0 41.4 62.2

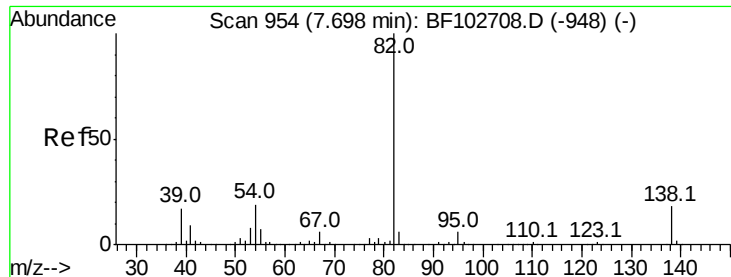


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 33.779 ng

RT: 7.45 min Scan# 911

Delta R.T. -0.26 min

Lab File: BF102739.D

Acq: 5 Feb 2018 15:50

Instrument :

BNA_F

ClientSampleId :

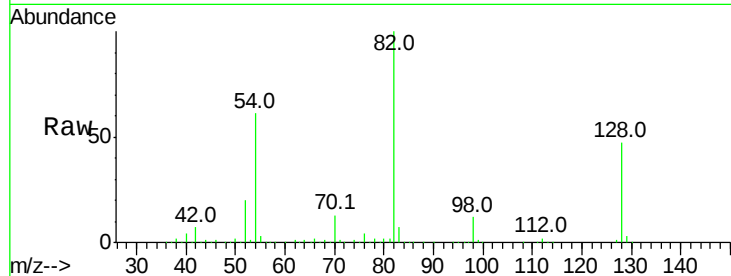
Tot Ion: 82 Resp: 910770

Ion Ratio Lower Upper

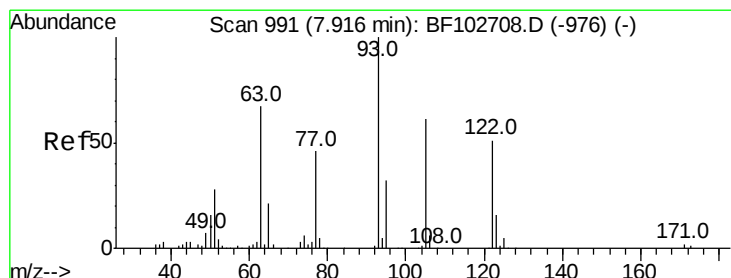
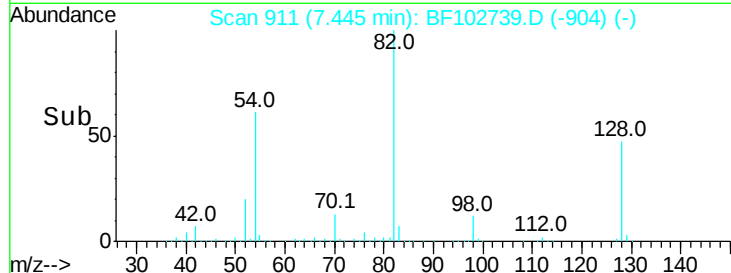
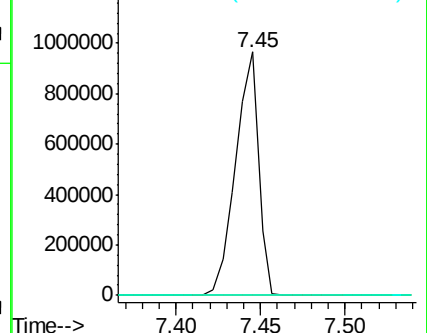
82 100

95 0.1 5.2 7.8#

138 0.0 14.9 22.3#



Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 95.00 (94.70 to 95.70): BF1
Ion 138.00 (137.70 to 138.70): BF1



#32

Benzoic acid

Concen: 9.269 ng

RT: 7.85 min Scan# 979

Delta R.T. -0.09 min

Lab File: BF102739.D

Acq: 5 Feb 2018 15:50

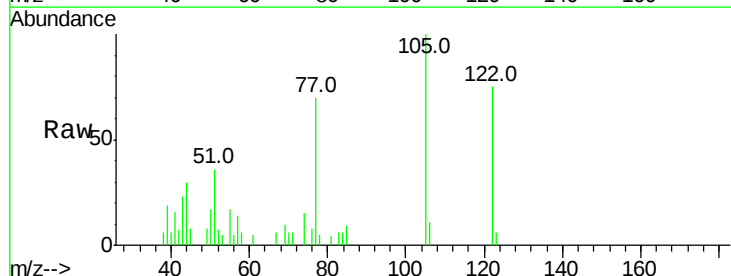
Tgt Ion:122 Resp: 6044

Ion Ratio Lower Upper

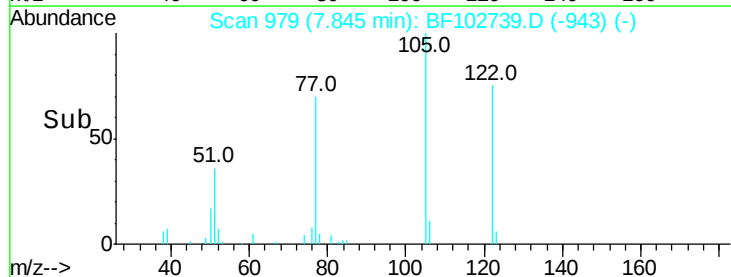
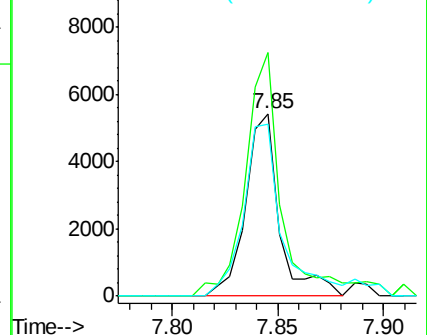
122 100

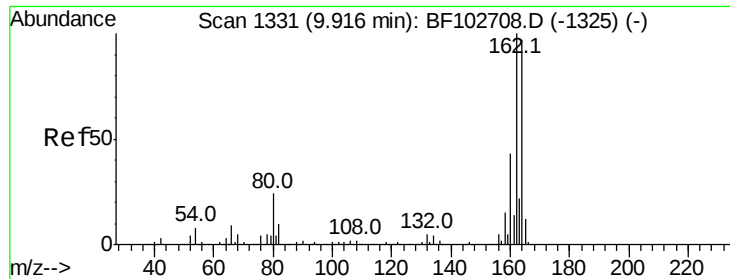
105 133.3 101.1 141.1

77 94.0 70.7 110.7



Abundance Ion 122.00 (121.70 to 122.70): BF1
Ion 105.00 (104.70 to 105.70): BF1
Ion 77.00 (76.70 to 77.70): BF1

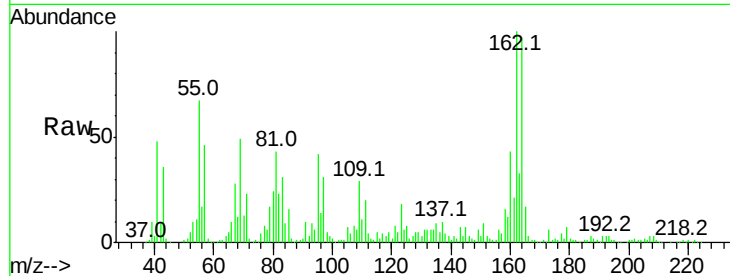




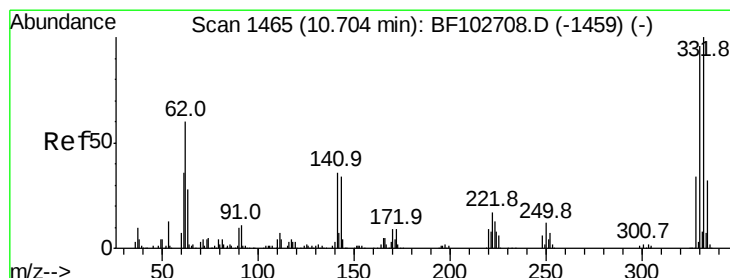
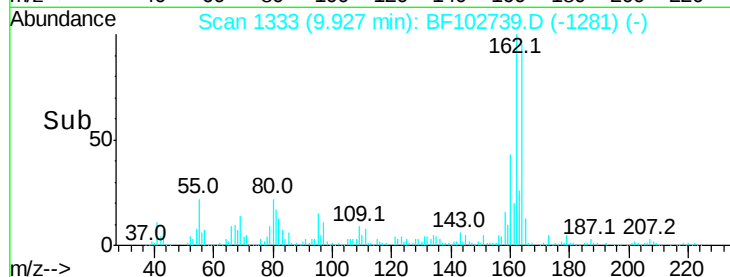
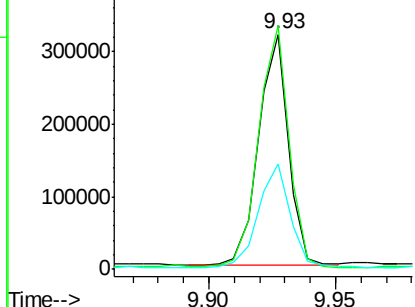
#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.93 min Scan# 1333
 Delta R.T. 0.01 min
 Lab File: BF102739.D
 Acq: 5 Feb 2018 15:50

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:164 Resp: 262227
 Ion Ratio Lower Upper
 164 100
 162 103.5 86.1 129.1
 160 44.9 38.3 57.5

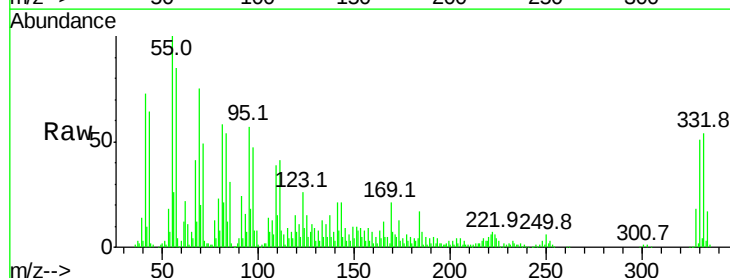


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

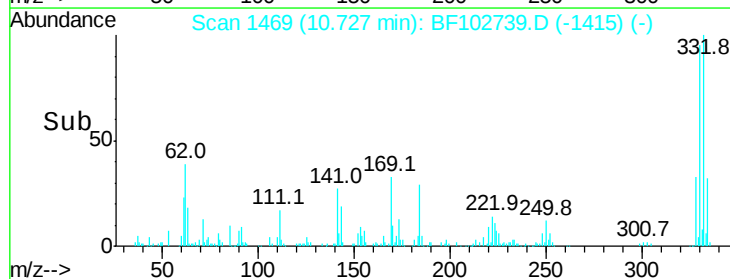
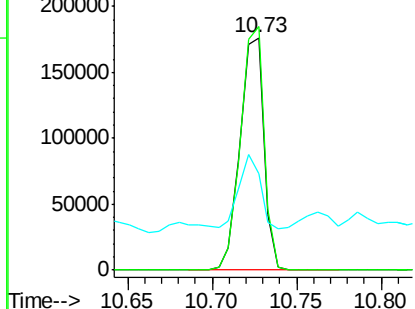


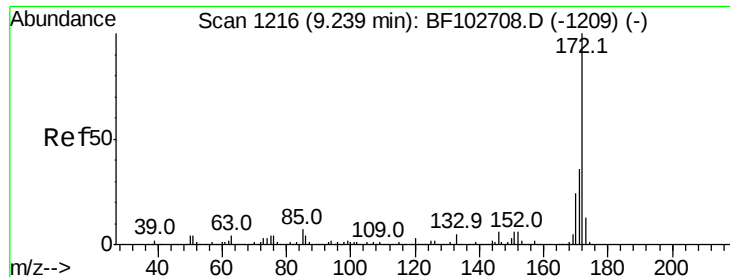
#41
 2,4,6-Tribromophenol
 Concen: 83.029 ng
 RT: 10.73 min Scan# 1469
 Delta R.T. 0.02 min
 Lab File: BF102739.D
 Acq: 5 Feb 2018 15:50

Tgt Ion:330 Resp: 175242
 Ion Ratio Lower Upper
 330 100
 332 103.1 77.0 115.6
 141 28.4 29.9 44.9#



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

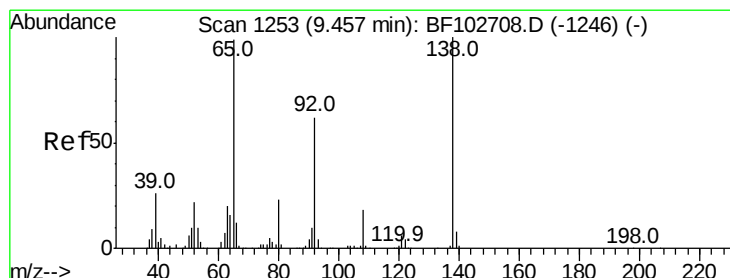
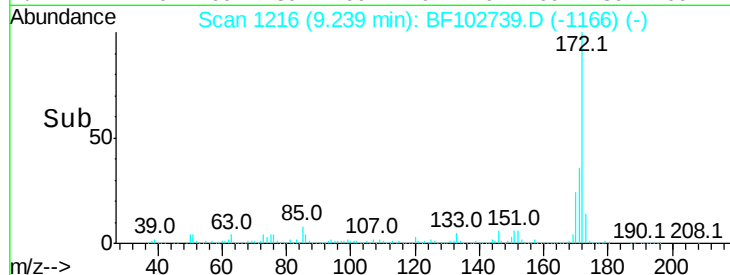
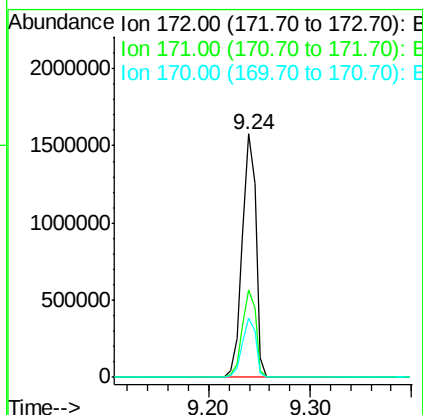
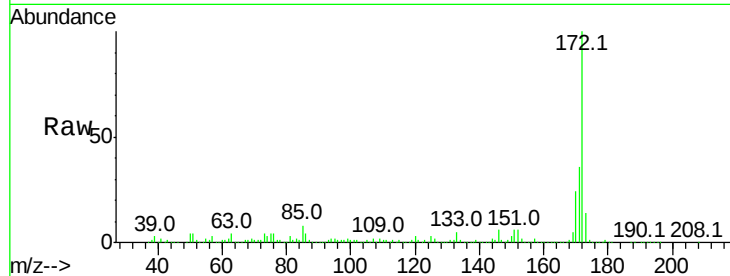




#44
2-Fluorobiphenyl
Concen: 93.341 ng
RT: 9.24 min Scan# 1216
Delta R.T. -0.01 min
Lab File: BF102739.D
Acq: 5 Feb 2018 15:50

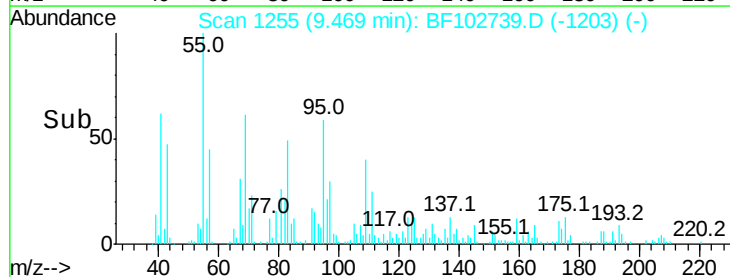
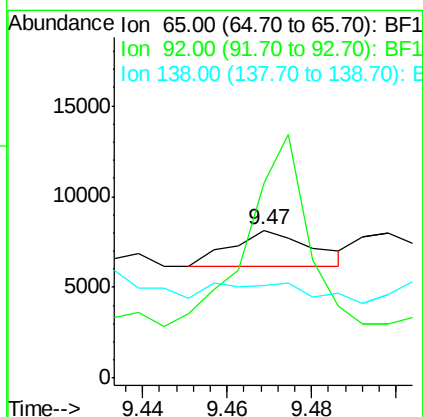
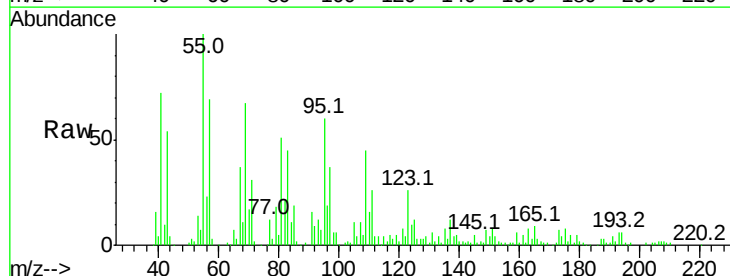
Instrument :
BNA_F
ClientSampleId :

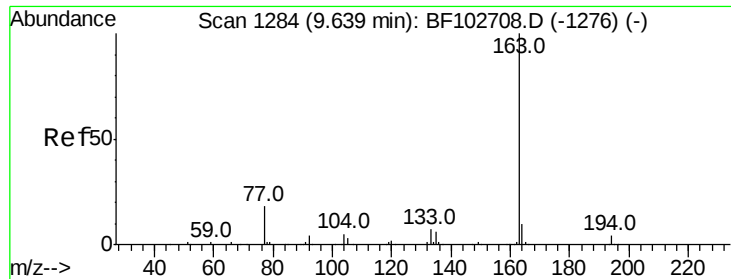
Tot Ion:172 Resp: 1475061
Ion Ratio Lower Upper
172 100
171 35.8 29.7 44.5
170 24.2 19.6 29.4



#47
2-Nitroaniline
Concen: 3.921 ng
RT: 9.47 min Scan# 1255
Delta R.T. 0.01 min
Lab File: BF102739.D
Acq: 5 Feb 2018 15:50

Tgt Ion: 65 Resp: 2598
Ion Ratio Lower Upper
65 100
92 132.0 55.8 83.6#
138 62.7 91.2 136.8#

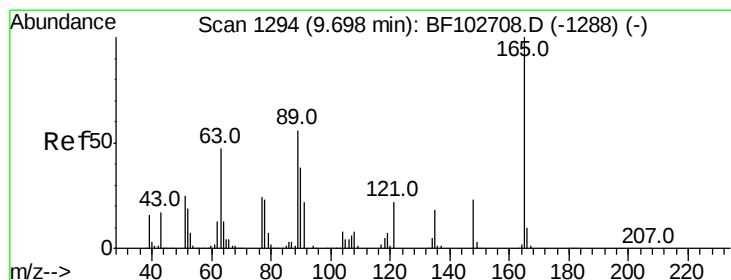
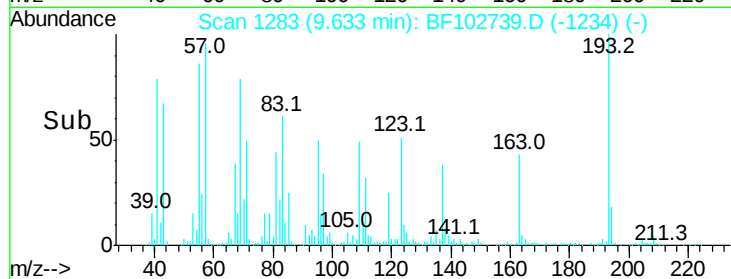
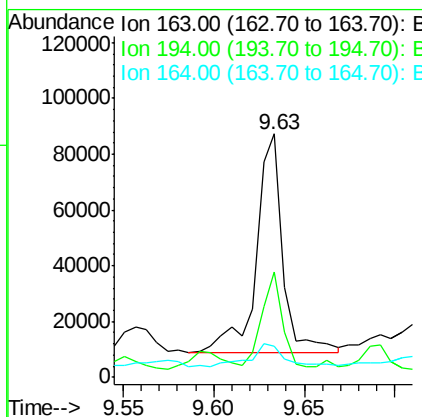
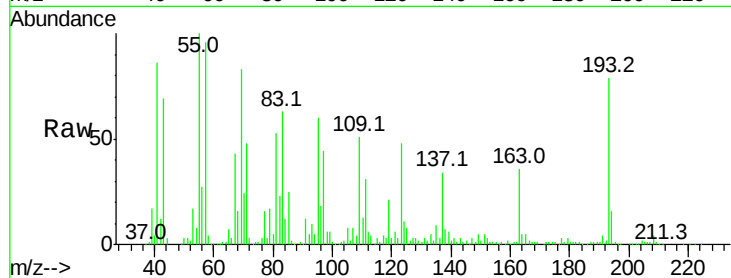




#49
Dimethylphthalate
Concen: 3.943 ng
RT: 9.63 min Scan# 1283
Delta R.T. -0.01 min
Lab File: BF102739.D
Acq: 5 Feb 2018 15:50

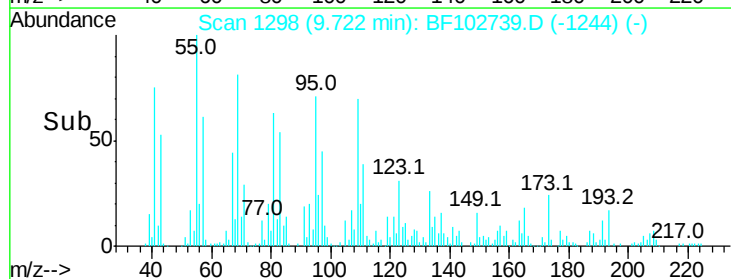
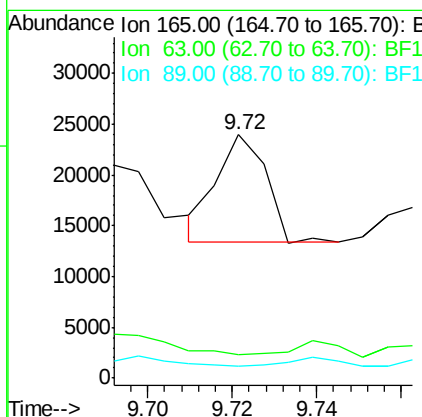
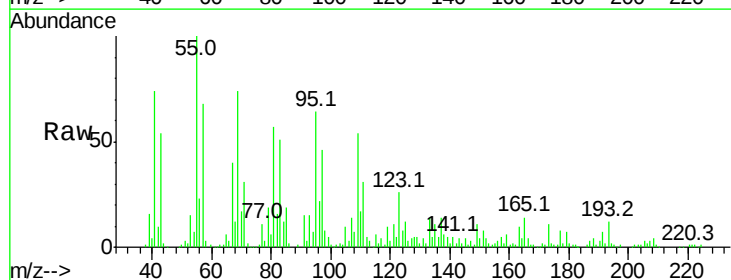
Instrument :
BNA_F
ClientSampled :

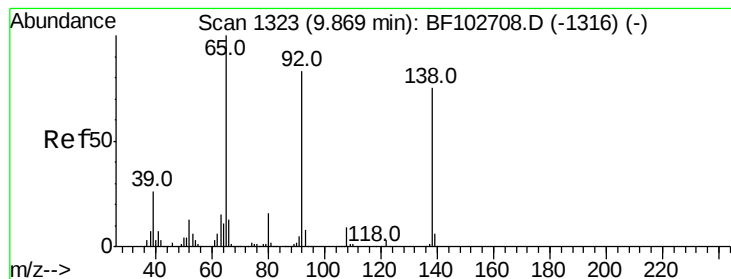
Tot Ion:163 Resp: 80621
Ion Ratio Lower Upper
163 100
194 43.5 2.7 4.1#
164 12.9 8.2 12.2#



#50
2,6-Dinitrotoluene
Concen: 2.179 ng
RT: 9.72 min Scan# 1298
Delta R.T. 0.02 min
Lab File: BF102739.D
Acq: 5 Feb 2018 15:50

Tgt Ion:165 Resp: 8478
Ion Ratio Lower Upper
165 100
63 9.9 44.7 67.1#
89 5.1 44.0 66.0#





#52

3-Nitroaniline

Concen: 4.239 ng

RT: 9.87 min Scan# 1324

Delta R.T. -0.00 min

Lab File: BF102739.D

Acq: 5 Feb 2018 15:50

Instrument :

BNA_F

ClientSampled :

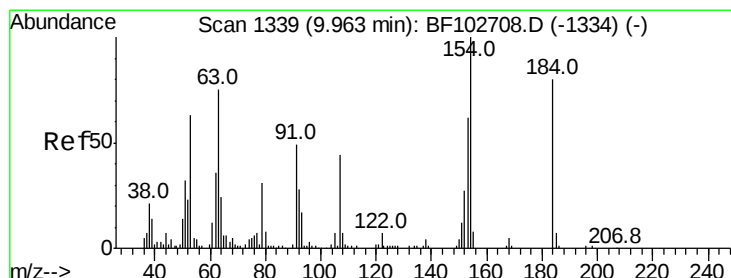
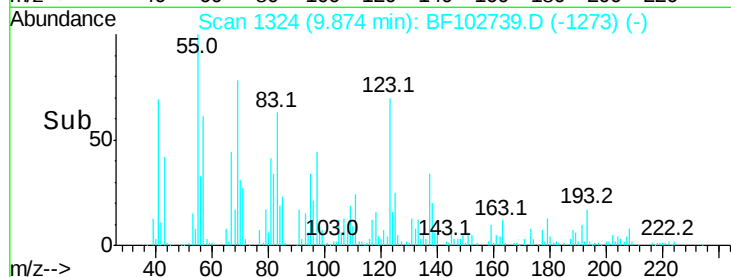
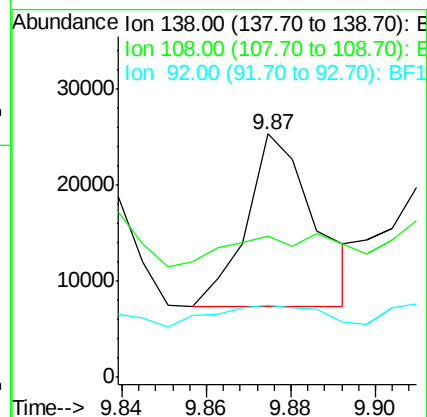
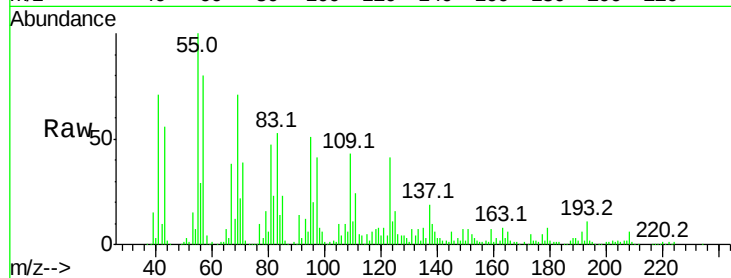
Tot Ion:138 Resp: 20289

Ion Ratio Lower Upper

138 100

108 58.0 9.4 14.0#

92 29.8 89.4 134.2#



#53

2,4-Dinitrophenol

Concen: 8.774 ng

RT: 9.99 min Scan# 1344

Delta R.T. 0.02 min

Lab File: BF102739.D

Acq: 5 Feb 2018 15:50

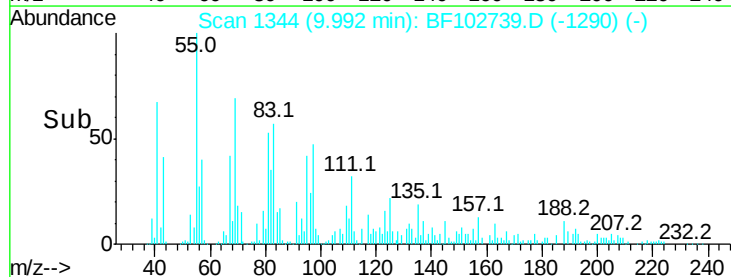
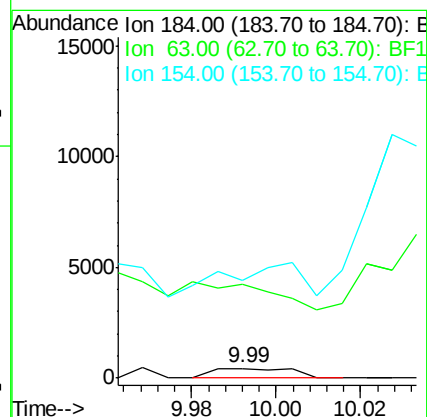
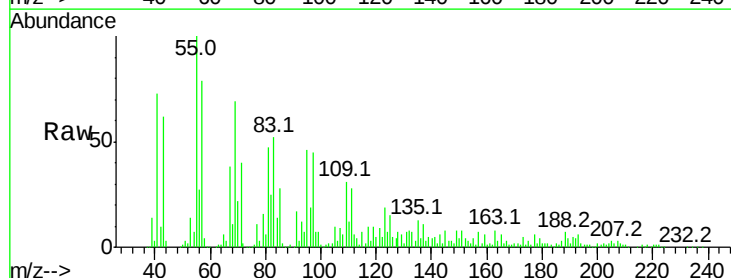
Tgt Ion:184 Resp: 579

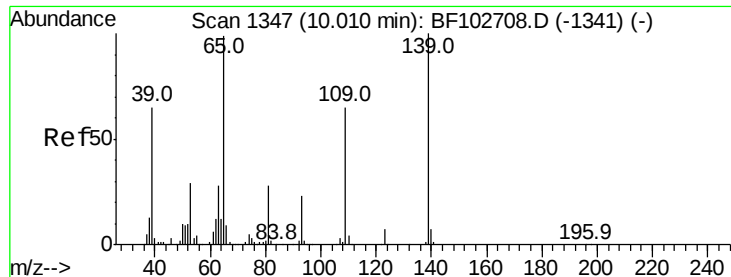
Ion Ratio Lower Upper

184 100

63 1004.2 54.2 81.2#

154 1035.1 184.0 276.0#

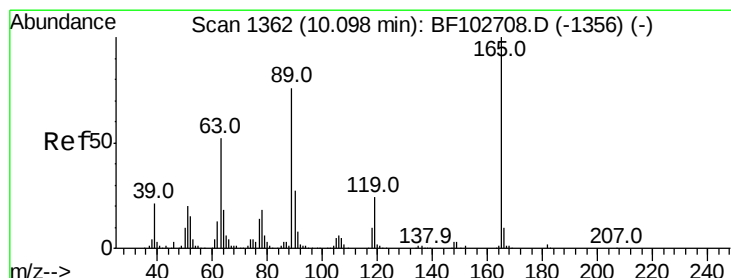
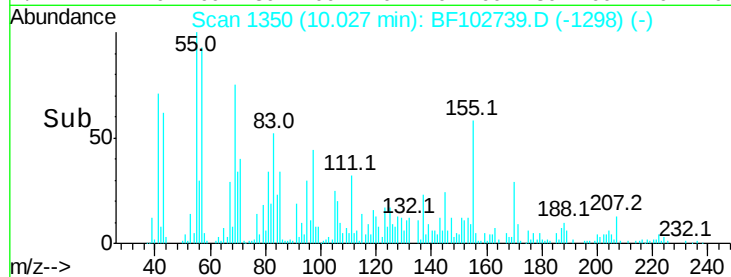
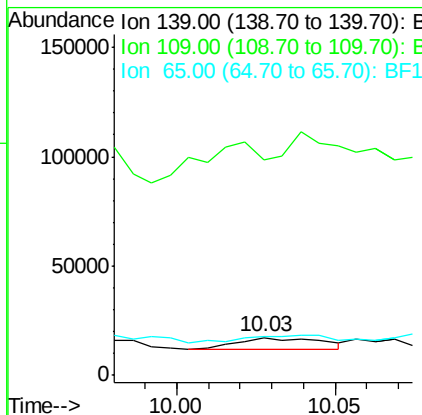
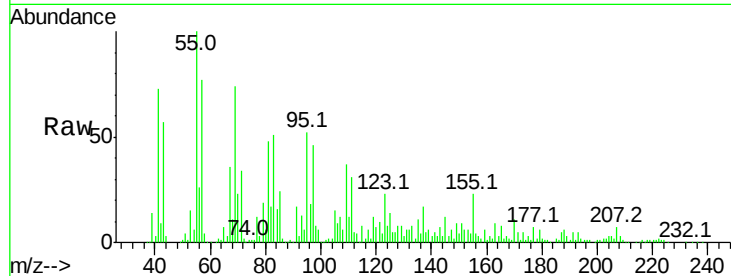




#55
4-Nitrophenol
Concen: 6.382 ng
RT: 10.03 min Scan# 1350
Delta R.T. 0.01 min
Lab File: BF102739.D
Acq: 5 Feb 2018 15:50

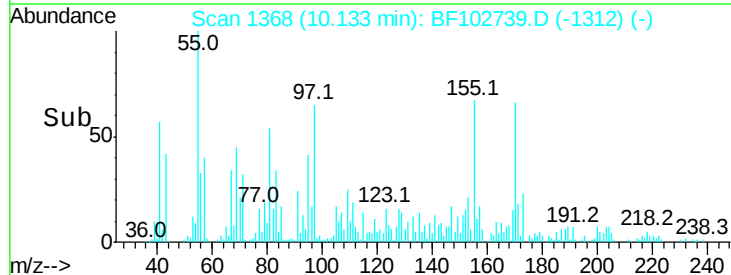
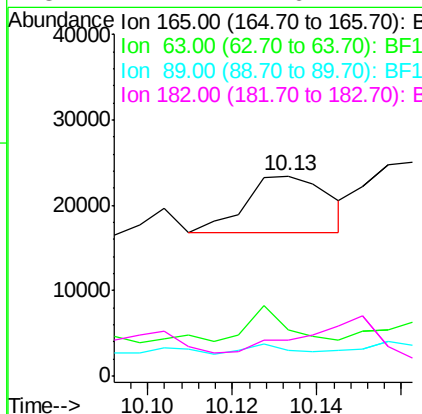
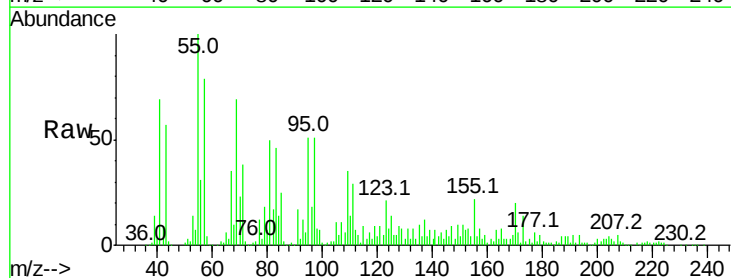
Instrument :
BNA_F
ClientSampled :

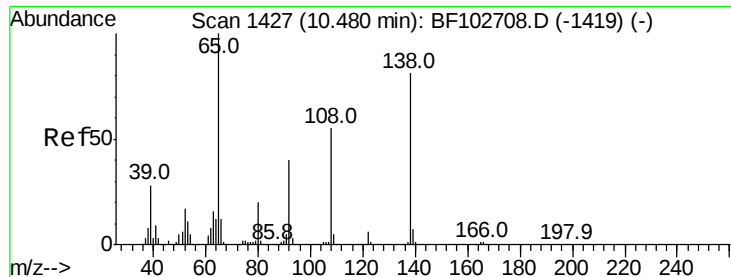
Tot Ion:139 Resp: 9765
Ion Ratio Lower Upper
139 100
109 570.8 48.4 88.4#
65 102.5 72.6 112.6



#56
2,4-Dinitrotoluene
Concen: 4.702 ng
RT: 10.13 min Scan# 1368
Delta R.T. 0.03 min
Lab File: BF102739.D
Acq: 5 Feb 2018 15:50

Tgt Ion:165 Resp: 9068
Ion Ratio Lower Upper
165 100
63 23.2 36.4 54.6#
89 12.9 57.8 86.6#
182 17.7 1.6 2.4#

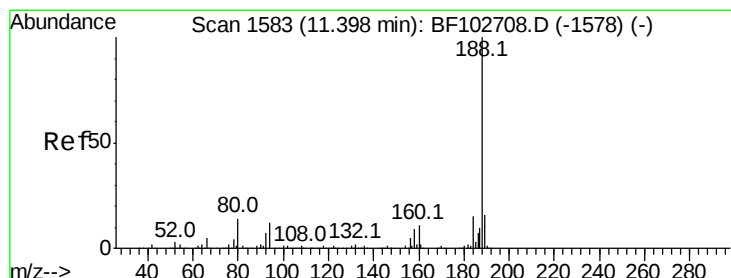
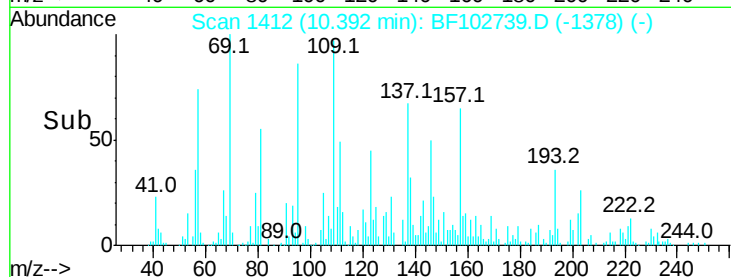
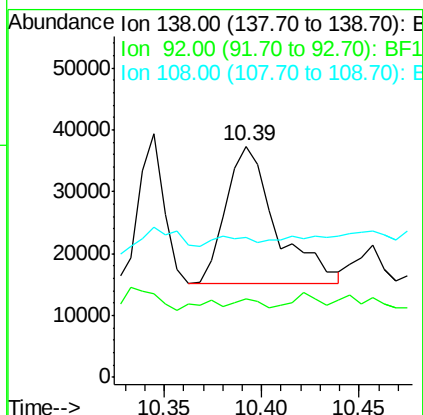
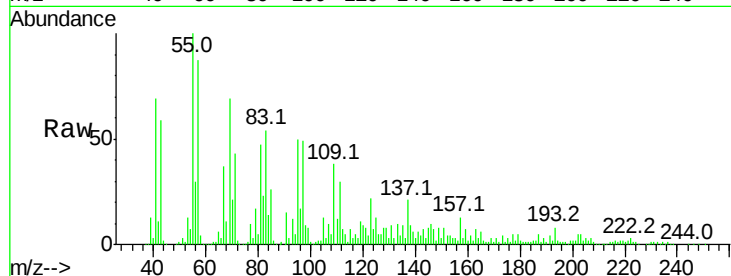




#61
4-Nitroaniline
Concen: 8.791 ng
RT: 10.39 min Scan# 1412
Delta R.T. -0.10 min
Lab File: BF102739.D
Acq: 5 Feb 2018 15:50

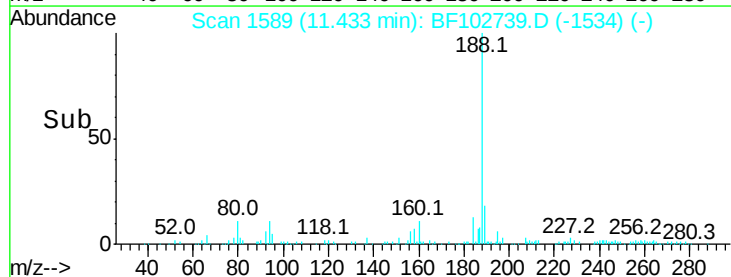
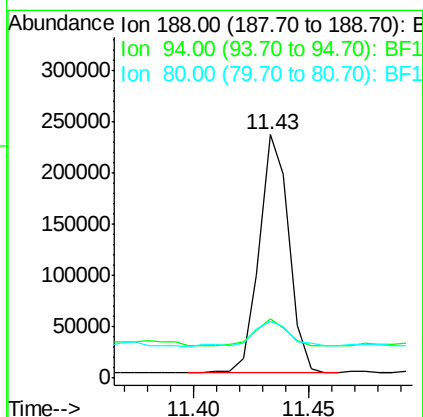
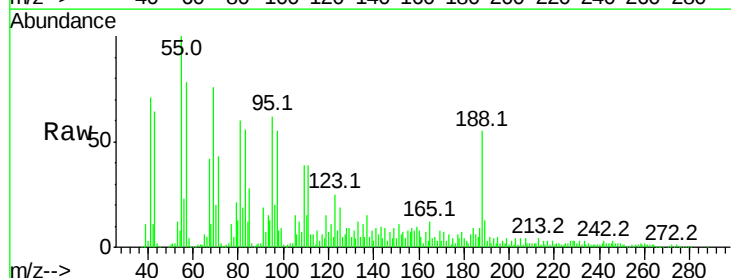
Instrument :
BNA_F
ClientSampled :

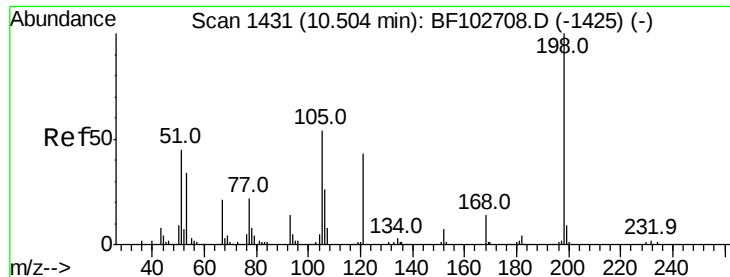
Tot Ion:138 Resp: 40051
Ion Ratio Lower Upper
138 100
92 34.0 30.2 70.2
108 60.5 52.5 92.5



#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.43 min Scan# 1589
Delta R.T. 0.02 min
Lab File: BF102739.D
Acq: 5 Feb 2018 15:50

Tgt Ion:188 Resp: 208753
Ion Ratio Lower Upper
188 100
94 24.4 8.5 12.7#
80 23.5 9.2 13.8#





#64

4,6-Dinitro-2-methylphenol

Concen: 11.262 ng

RT: 10.54 min Scan# 1438

Delta R.T. 0.03 min

Lab File: BF102739.D

Acq: 5 Feb 2018 15:50

Instrument :

BNA_F

ClientSampleId :

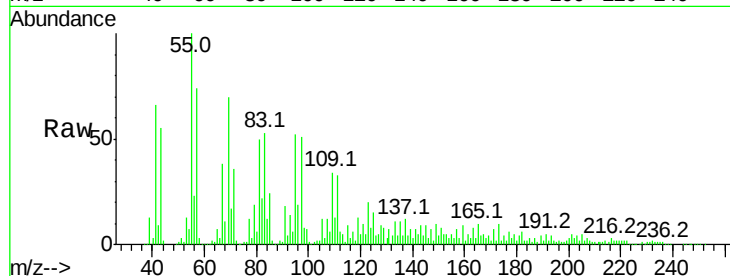
Tot Ion:198 Resp: 2334

Ion Ratio Lower Upper

198 100

51 341.9 37.7 77.7#

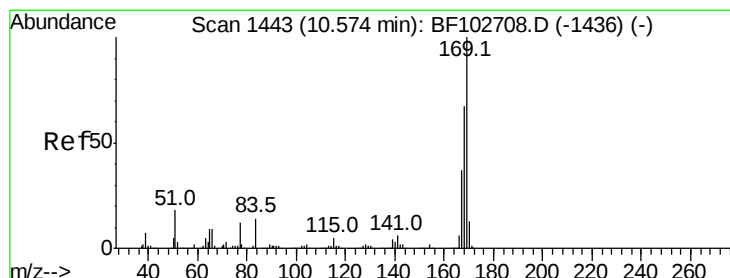
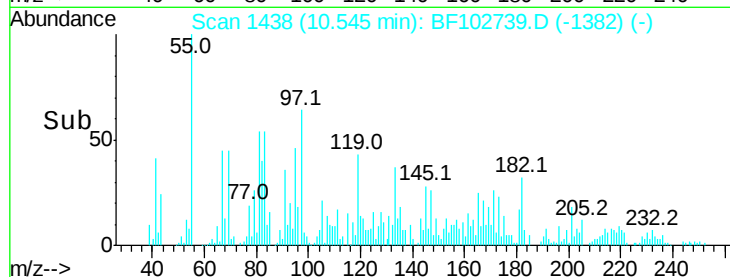
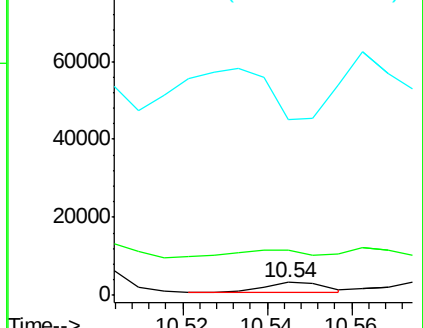
105 1342.4 36.3 76.3#



Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF1

Ion 105.00 (104.70 to 105.70): E



#65

n-Nitrosodiphenylamine

Concen: 9.303 ng

RT: 10.85 min Scan# 1490

Delta R.T. 0.27 min

Lab File: BF102739.D

Acq: 5 Feb 2018 15:50

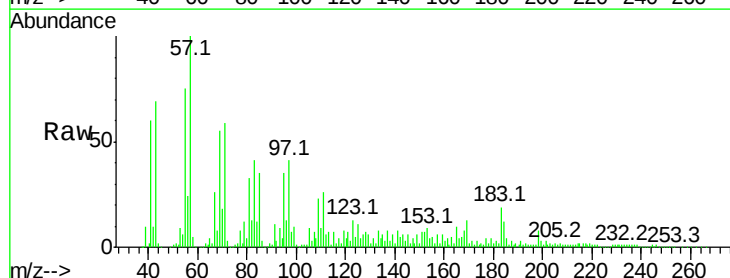
Tgt Ion:169 Resp: 68500

Ion Ratio Lower Upper

169 100

168 59.4 54.4 81.6

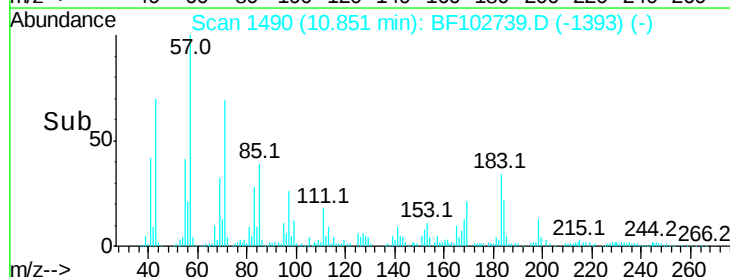
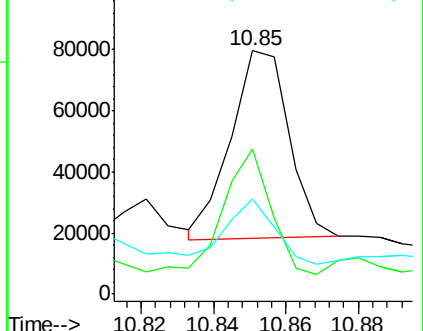
167 38.9 29.8 44.6

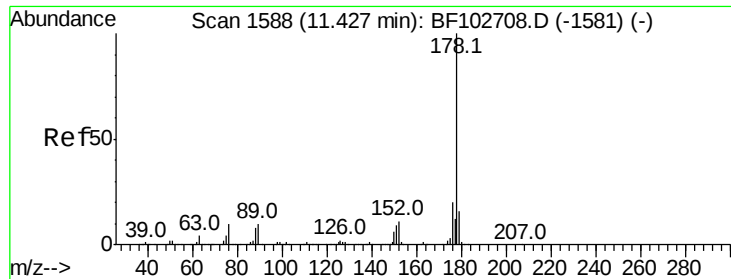


Abundance Ion 169.00 (168.70 to 169.70): E

Ion 168.00 (167.70 to 168.70): E

Ion 167.00 (166.70 to 167.70): E





#70

Phenanthrene

Concen: 4.649 ng

RT: 11.46 min Scan# 1593

Delta R.T. 0.02 min

Lab File: BF102739.D

Acq: 5 Feb 2018 15:50

Instrument :

BNA_F

ClientSampleId :

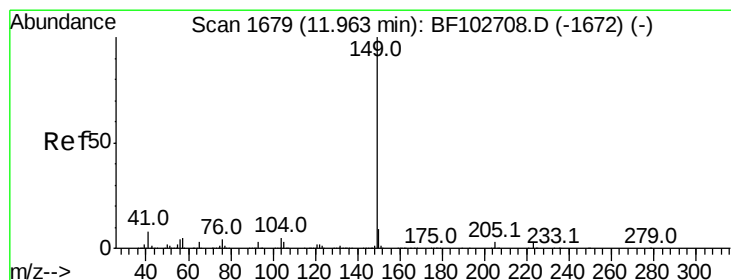
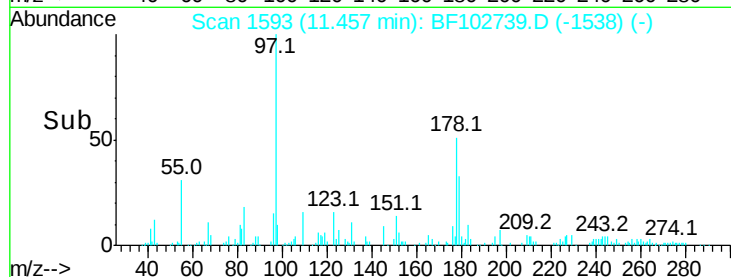
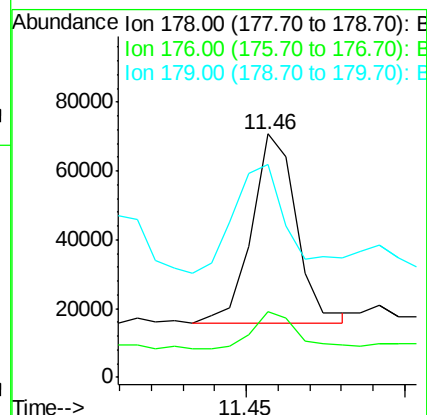
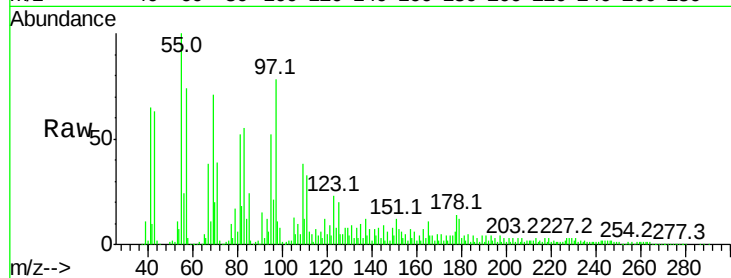
Tot Ion:178 Resp: 54049

Ion Ratio Lower Upper

178 100

176 27.0 15.8 23.8#

179 87.4 13.0 19.6#



#73

Di-n-butylphthalate

Concen: 3.220 ng

RT: 11.99 min Scan# 1684

Delta R.T. 0.02 min

Lab File: BF102739.D

Acq: 5 Feb 2018 15:50

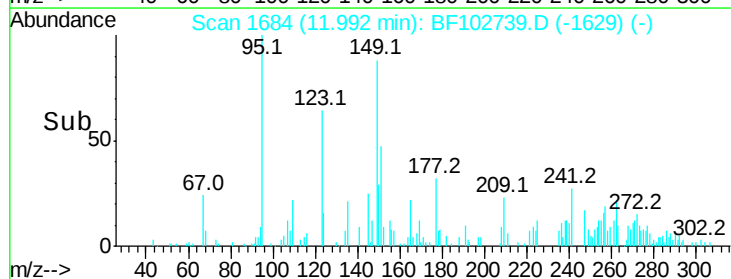
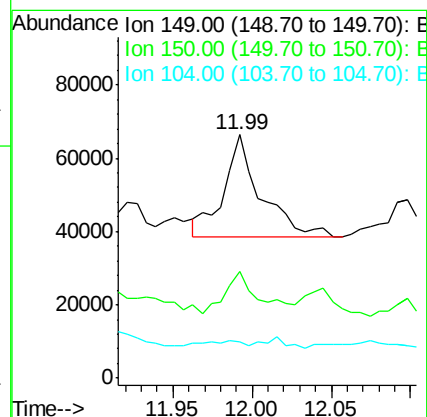
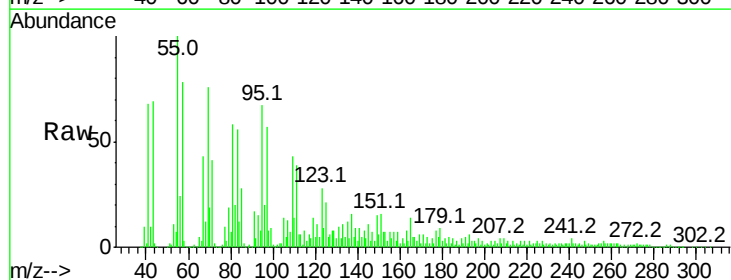
Tgt Ion:149 Resp: 45315

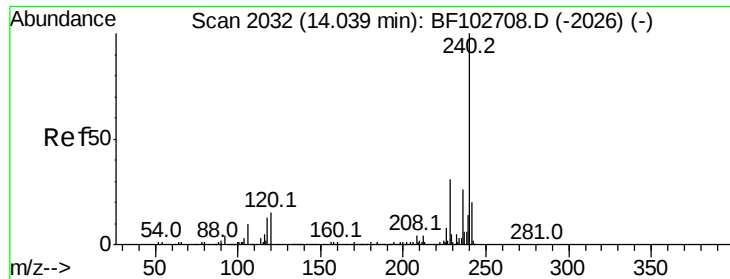
Ion Ratio Lower Upper

149 100

150 43.9 7.8 11.6#

104 14.8 3.8 5.8#





#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.06 min Scan# 2036

Delta R.T. 0.01 min

Lab File: BF102739.D

Acq: 5 Feb 2018 15:50

Instrument :

BNA_F

ClientSampleId :

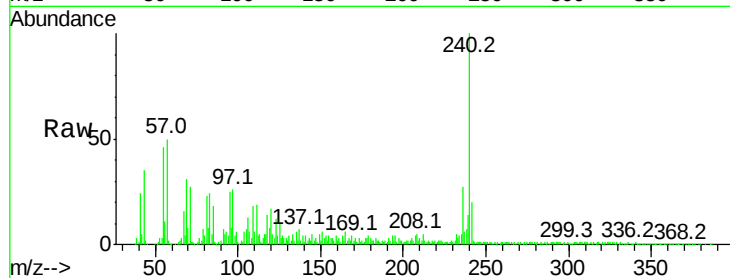
Tot Ion:240 Resp: 280231

Ion Ratio Lower Upper

240 100

120 17.1 9.5 14.3#

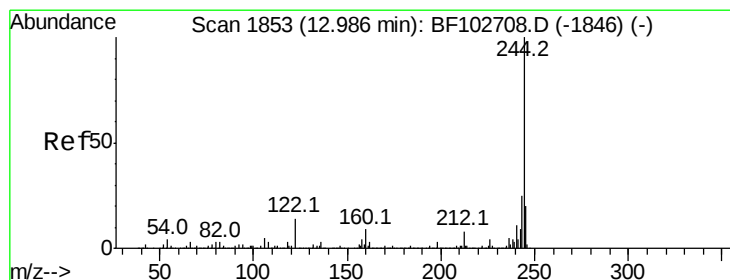
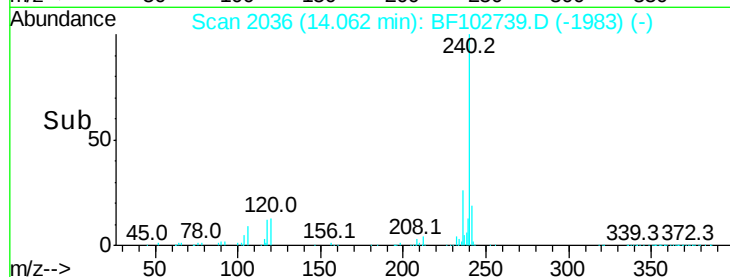
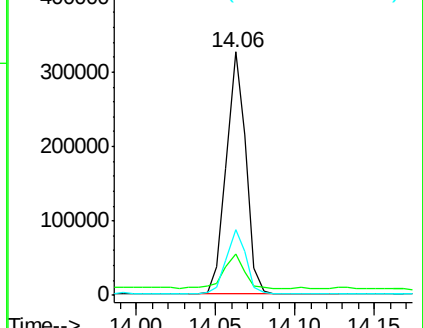
236 27.1 20.7 31.1



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: 54.621 ng

RT: 13.02 min Scan# 1859

Delta R.T. 0.02 min

Lab File: BF102739.D

Acq: 5 Feb 2018 15:50

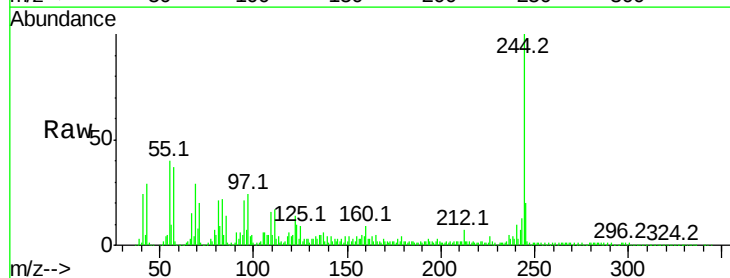
Tgt Ion:244 Resp: 646455

Ion Ratio Lower Upper

244 100

212 7.0 5.4 8.0

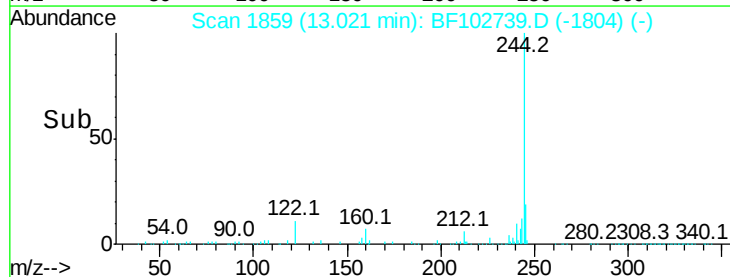
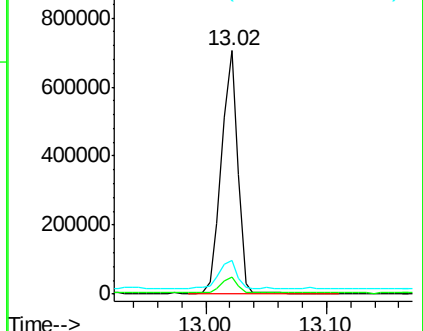
122 14.0 11.0 16.4

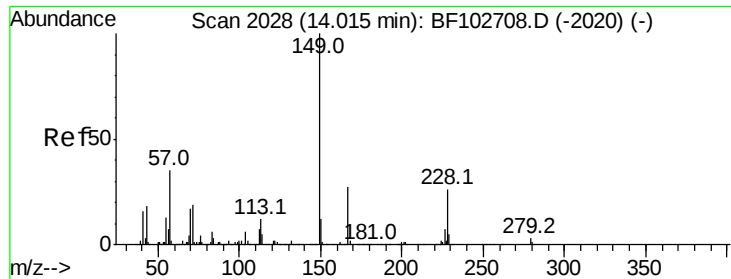


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

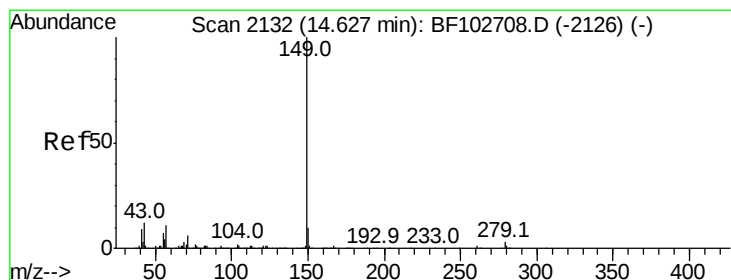
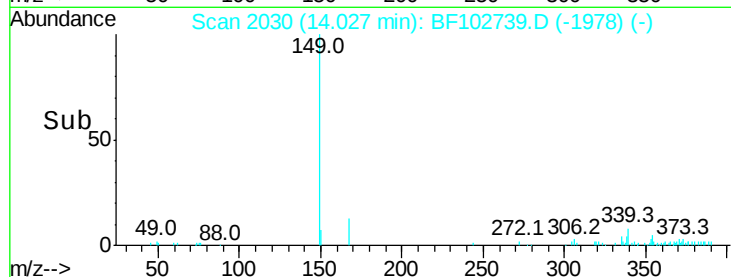
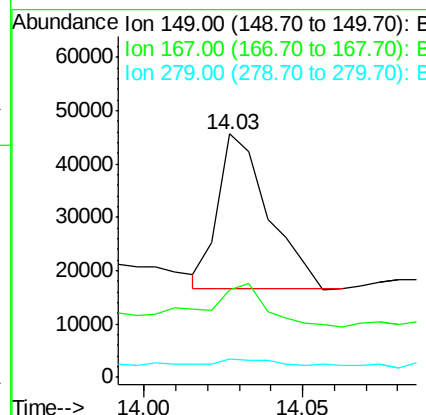
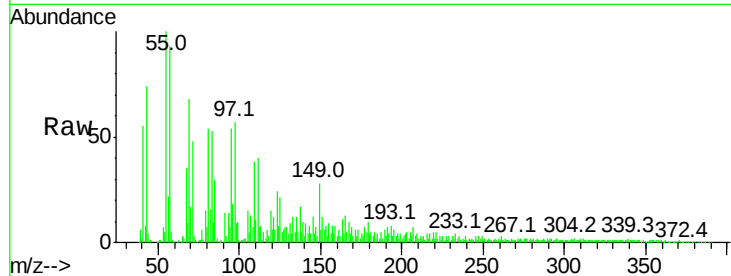




#83
 Bis(2-ethylhexyl)phthalate
 Concen: 2.394 ng
 RT: 14.03 min Scan# 2030
 Delta R.T. 0.01 min
 Lab File: BF102739.D
 Acq: 5 Feb 2018 15:50

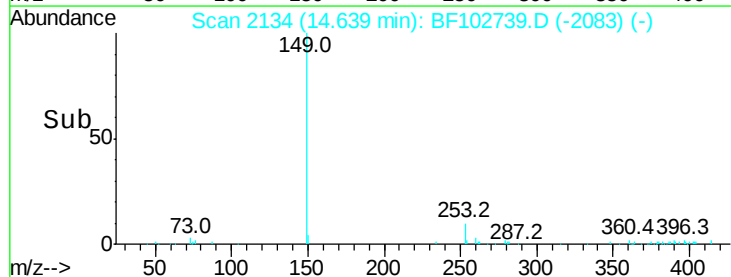
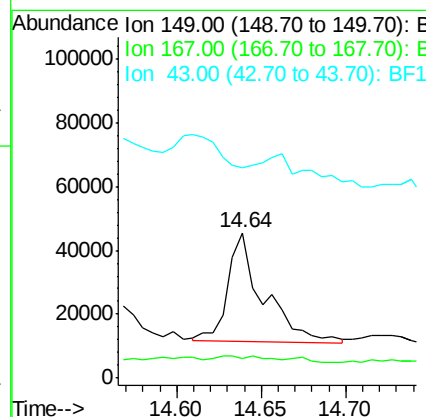
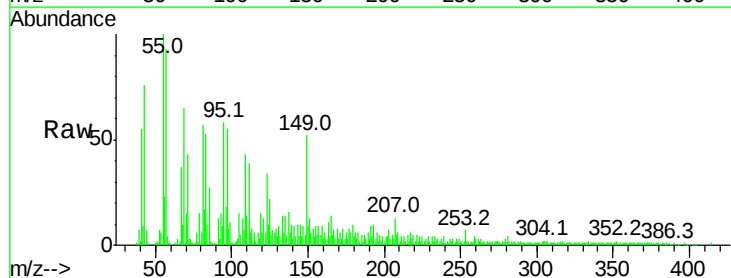
Instrument :
 BNA_F
 ClientSampleId :

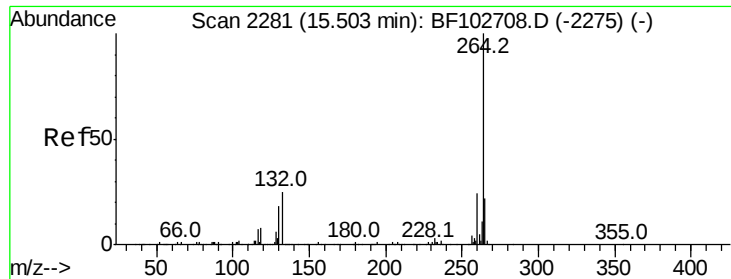
Tot Ion:149 Resp: 32230
 Ion Ratio Lower Upper
 149 100
 167 36.0 21.3 31.9#
 279 7.8 3.0 4.4#



#84
 Di-n-octyl phthalate
 Concen: 2.467 ng
 RT: 14.64 min Scan# 2134
 Delta R.T. -0.00 min
 Lab File: BF102739.D
 Acq: 5 Feb 2018 15:50

Tgt Ion:149 Resp: 49861
 Ion Ratio Lower Upper
 149 100
 167 4.3 1.2 1.8#
 43 0.0 8.4 12.6#





#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.53 min Scan# 2286
Delta R.T. 0.01 min
Lab File: BF102739.D
Acq: 5 Feb 2018 15:50

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	26.7	19.2	28.8
265	21.8	17.5	26.3

