

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF091818\
 Data File : BF109102.D
 Acq On : 18 Sep 2018 18:14
 Operator : JU/SJ
 Sample : J4948-01
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

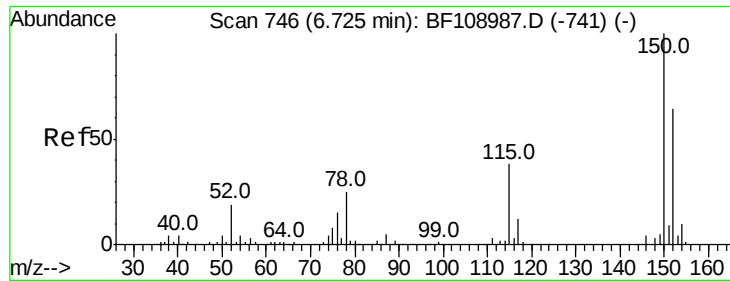
Quant Time: Sep 19 04:02:12 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF091418.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Sep 14 13:26:52 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.72	152	101150	20.00	ng	0.00
21) Naphthalene-d8	8.00	136	330459	20.00	ng	0.00
38) Acenaphthene-d10	9.76	164	111258	20.00	ng	0.00
63) Phenanthrene-d10	11.27	188	124535	20.00	ng	0.04
75) Chrysene-d12	13.91	240	214158	20.00	ng	0.05
86) Perylene-d12	15.28	264	256163	20.00	ng	0.03

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.33	112	485253	79.68	ng	0.00
7) Phenol-d6	6.35	99	592245	75.42	ng	0.00
23) Nitrobenzene-d5	7.28	82	332996	56.52	ng	-0.01
41) 2,4,6-Tribromophenol	10.56	330	83926	69.51	ng	0.02
44) 2-Fluorobiphenyl	9.08	172	521928	73.50	ng	0.00
78) Terphenyl-d14	12.87	244	345539	38.24	ng	0.06

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	7.28	70	45712	8.806	ng	# 78
25) Isophorone	7.28	82	328919	32.477	ng	# 64
49) Dimethylphthalate	9.47	163	77068	9.692	ng	# 77
50) 2,6-Dinitrotoluene	9.54	165	13892	7.878	ng	# 31
52) 3-Nitroaniline	9.72	138	13665	6.581	ng	# 20
55) 4-Nitrophenol	9.84	139	3508	2.293	ng	# 1
56) 2,4-Dinitrotoluene	9.93	165	5651	2.450	ng	# 39
60) 4-Chlorophenyl-phenylether	10.33	204	7698	2.231	ng	# 3
61) 4-Nitroaniline	10.23	138	33368	16.913	ng	# 86
62) Azobenzene	10.42	77	21061	2.562	ng	# 18
65) n-Nitrosodiphenylamine	10.45	169	46573	11.433	ng	# 61
66) 4-Bromophenyl-phenylether	10.78	248	2965	2.112	ng	# 1
68) Atrazine	10.97	200	5920	4.540	ng	# 1
69) Pentachlorophenol	11.14	266	11058	11.509	ng	# 32
70) Phenanthrene	11.29	178	76570	12.543	ng	# 4
73) Di-n-butylphthalate	11.85	149	66033	9.209	ng	# 34

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

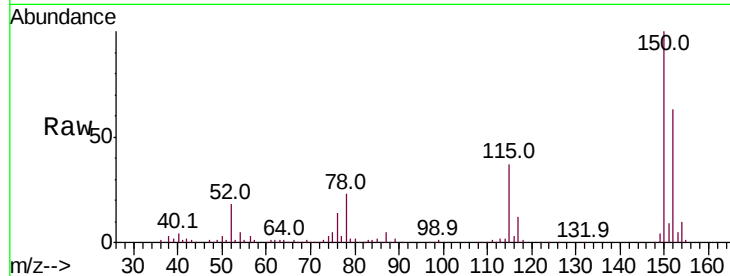


#1

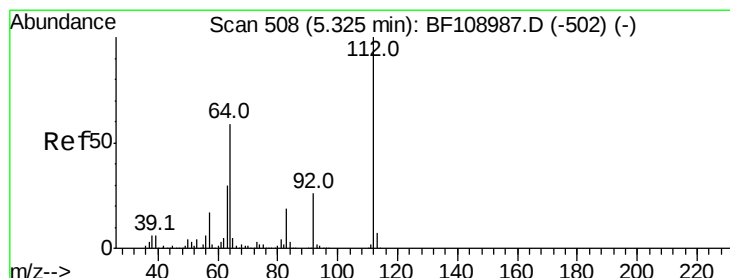
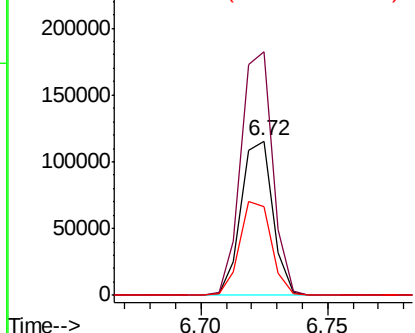
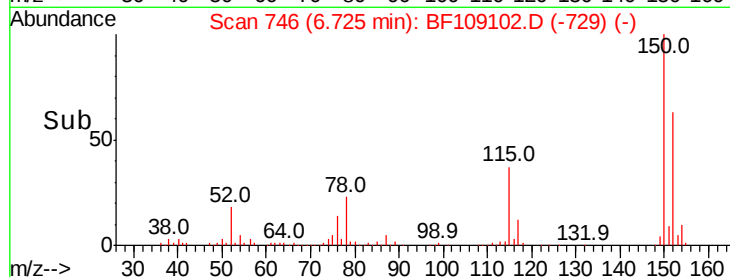
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.72 min Scan# 746
Delta R.T. -0.00 min
Lab File: BF109102.D
Acq: 18 Sep 2018 18:14

Instrument :
BNA_F
ClientSampled :

Tot Ion:152 Resp: 101150
Ion Ratio Lower Upper
152 100
150 157.6 124.6 186.8
115 57.8 50.1 75.1



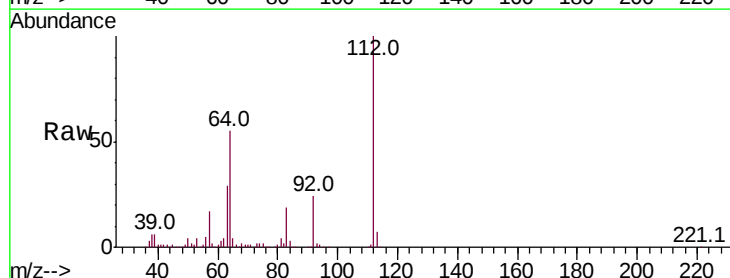
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



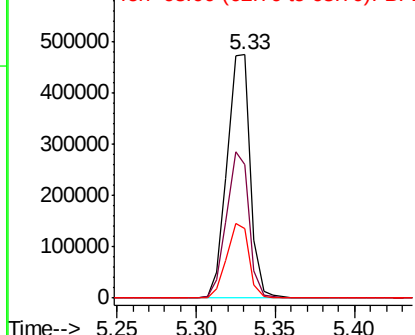
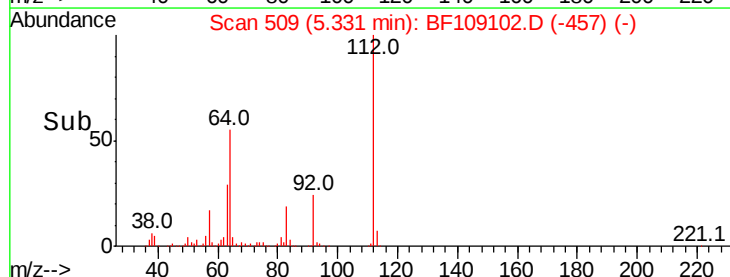
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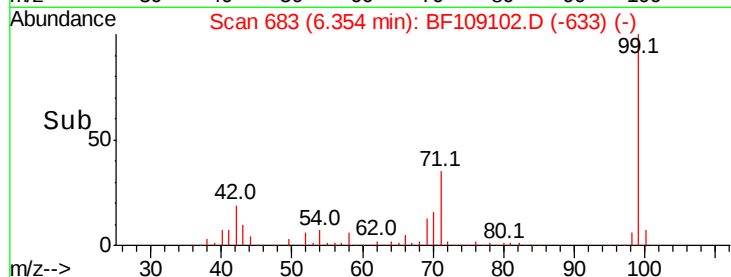
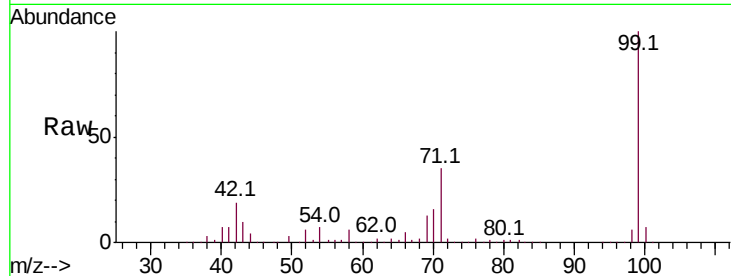
2-Fluorophenol
Concen: 79.679 ng
RT: 5.33 min Scan# 509
Delta R.T. 0.01 min
Lab File: BF109102.D
Acq: 18 Sep 2018 18:14

Tgt Ion:112 Resp: 485253
Ion Ratio Lower Upper
112 100
64 55.0 47.9 71.9
63 28.7 23.7 35.5



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BF1
Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 75.417 ng

RT: 6.35 min Scan# 683

Delta R.T. -0.01 min

Lab File: BF109102.D

Acq: 18 Sep 2018 18:14

Instrument :

BNA_F

ClientSampleId :

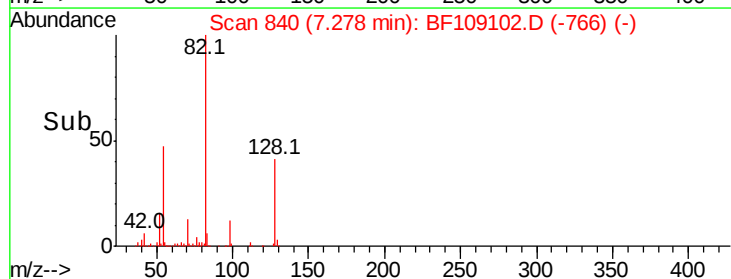
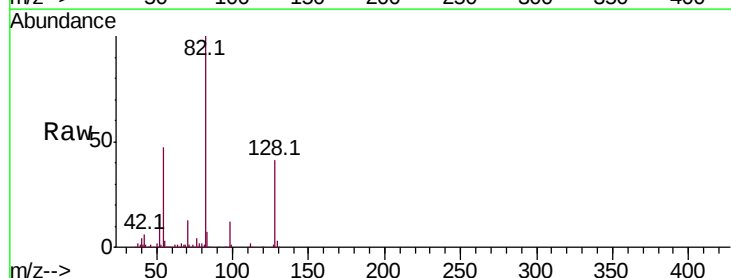
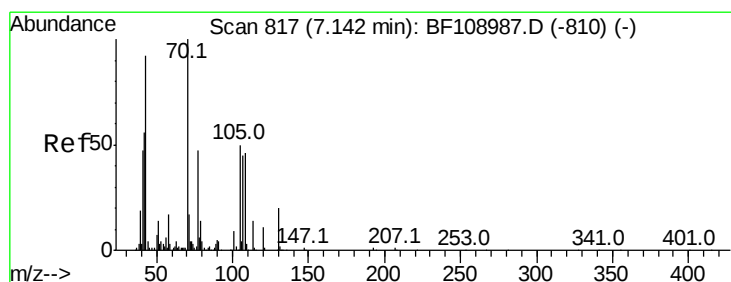
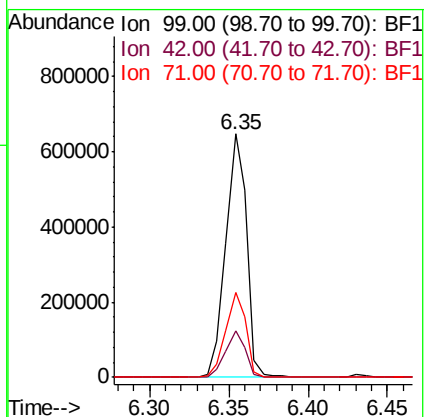
Tot Ion: 99 Resp: 592245

Ion Ratio Lower Upper

99 100

42 19.3 14.5 21.7

71 34.9 25.4 38.0



#19

n-Nitroso-di-n-propylamine

Concen: 8.806 ng

RT: 7.28 min Scan# 840

Delta R.T. 0.14 min

Lab File: BF109102.D

Acq: 18 Sep 2018 18:14

Tgt Ion: 70 Resp: 45712

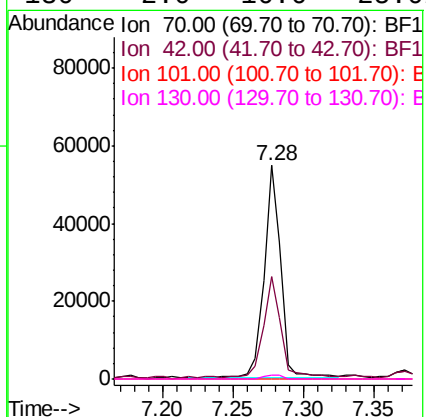
Ion Ratio Lower Upper

70 100

42 47.7 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: 8.00 min Scan# 963

Delta R.T. -0.01 min

Lab File: BF109102.D

Acq: 18 Sep 2018 18:14

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 330459

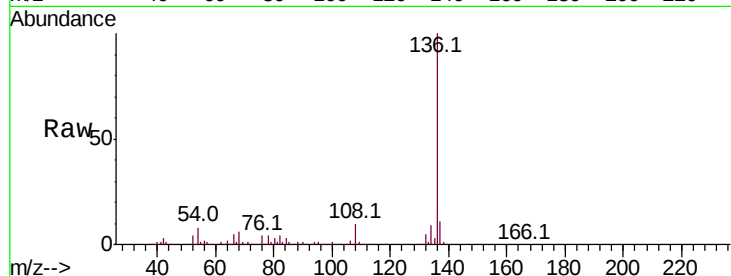
Ion Ratio Lower Upper

136 100

137 11.1 8.9 13.3

54 7.6 6.6 9.8

68 6.4 5.0 7.4

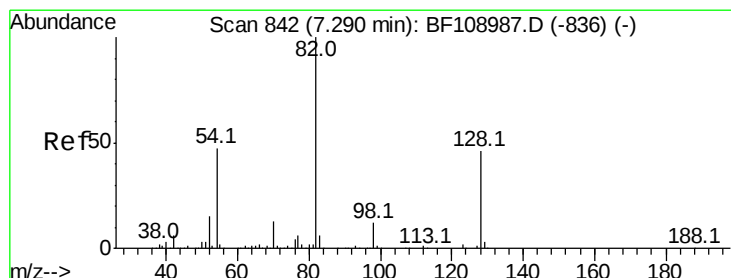
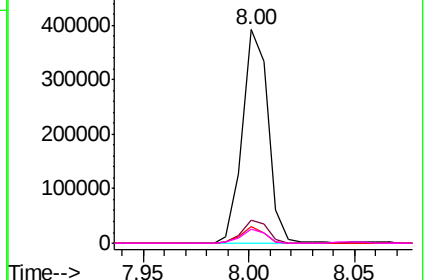
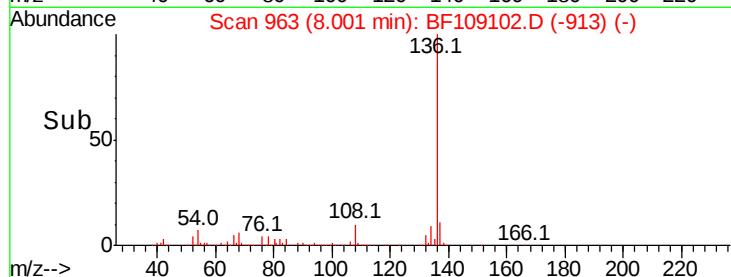


Abundance Ion 136.00 (135.70 to 136.70): E

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: 56.519 ng

RT: 7.28 min Scan# 840

Delta R.T. -0.01 min

Lab File: BF109102.D

Acq: 18 Sep 2018 18:14

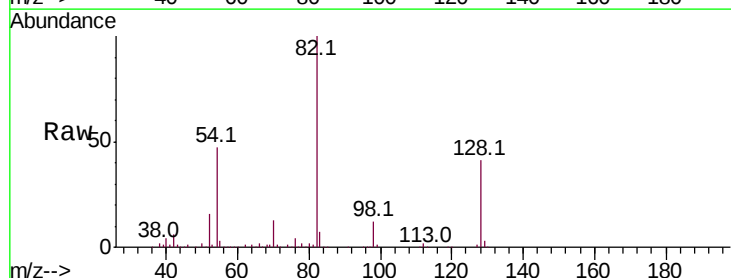
Tgt Ion: 82 Resp: 332996

Ion Ratio Lower Upper

82 100

128 41.1 36.1 54.1

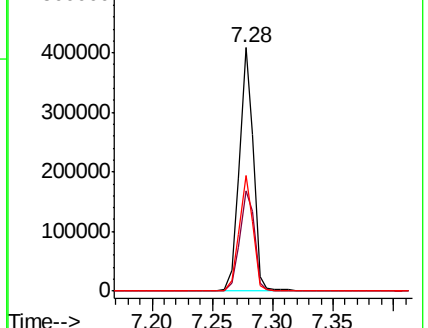
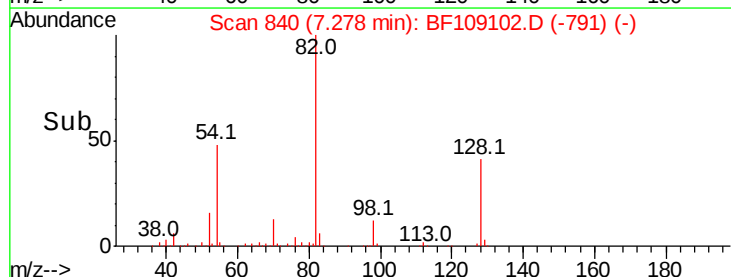
54 47.5 41.4 62.2

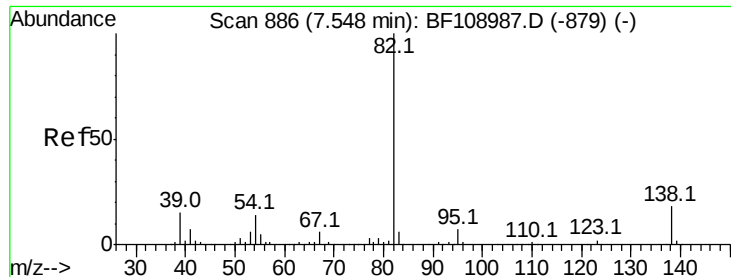


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 32.477 ng

RT: 7.28 min Scan# 840

Delta R.T. -0.27 min

Lab File: BF109102.D

Acq: 18 Sep 2018 18:14

Instrument :

BNA_F

ClientSampleId :

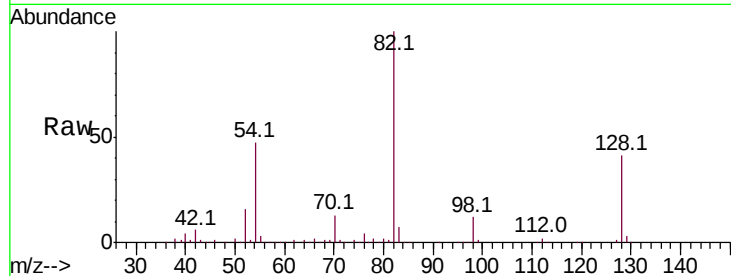
Tot Ion: 82 Resp: 328919

Ion Ratio Lower Upper

82 100

95 0.2 5.2 7.8#

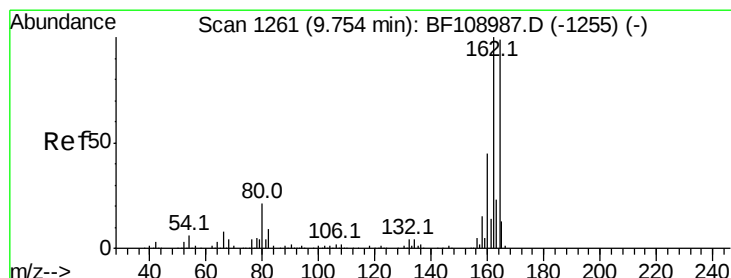
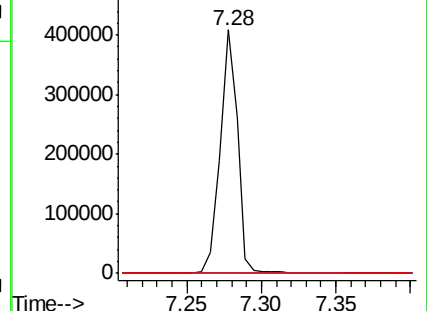
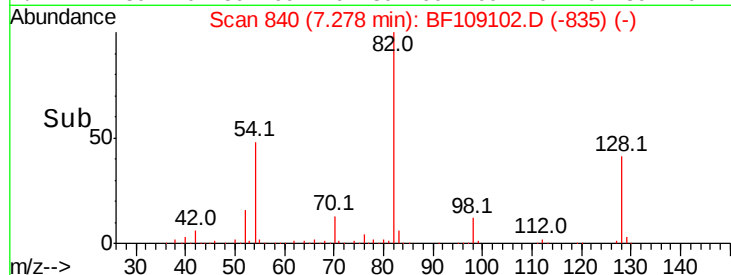
138 0.0 14.9 22.3#



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



#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.76 min Scan# 1262

Delta R.T. 0.01 min

Lab File: BF109102.D

Acq: 18 Sep 2018 18:14

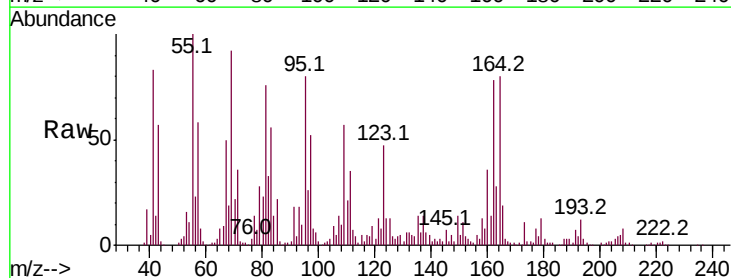
Tgt Ion:164 Resp: 111258

Ion Ratio Lower Upper

164 100

162 97.8 86.1 129.1

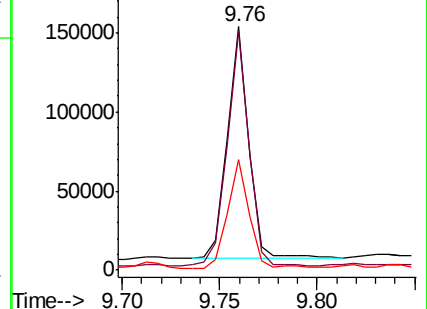
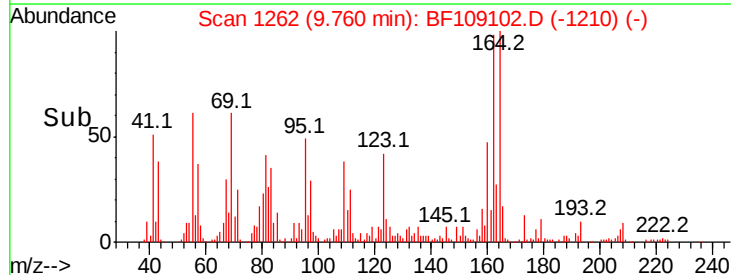
160 45.4 38.3 57.5

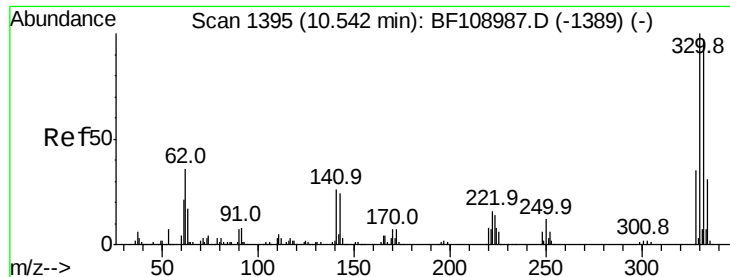


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

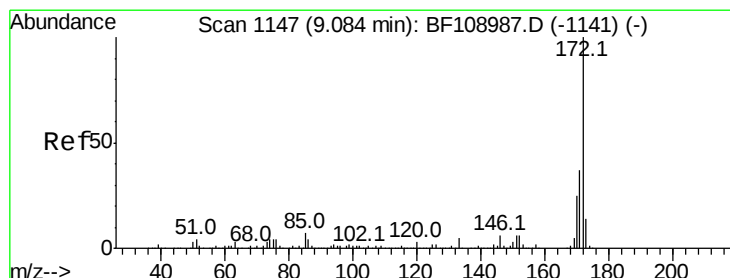
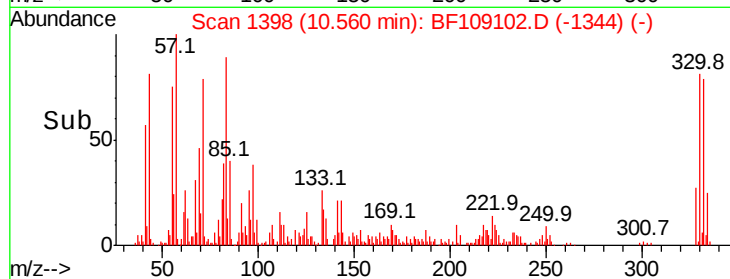
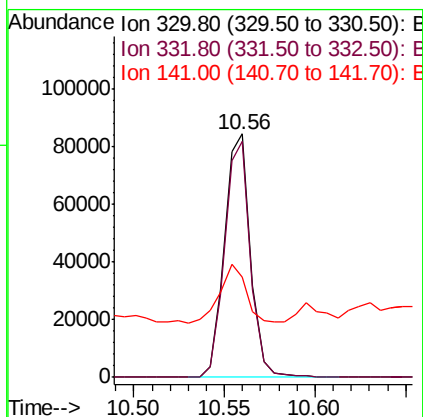
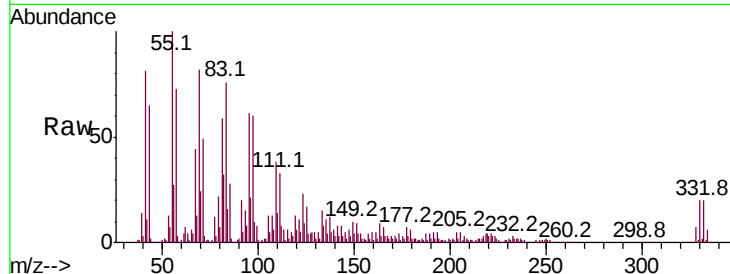




#41
 2,4,6-Tribromophenol
 Concen: 69.507 ng
 RT: 10.56 min Scan# 1398
 Delta R.T. 0.02 min
 Lab File: BF109102.D
 Acq: 18 Sep 2018 18:14

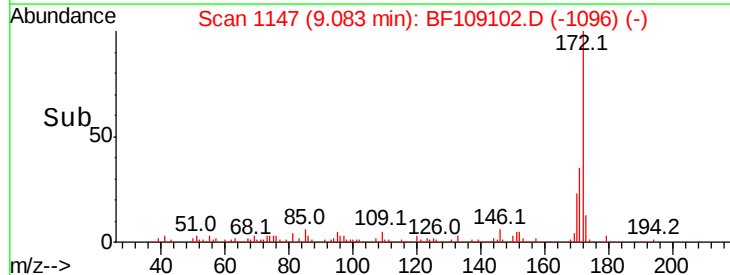
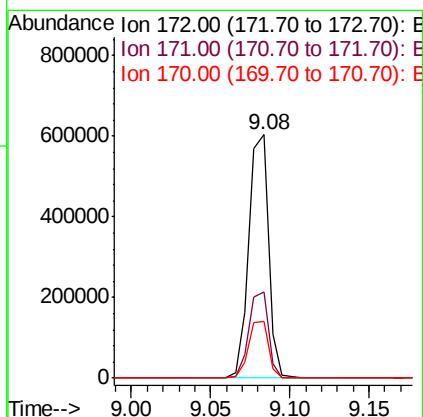
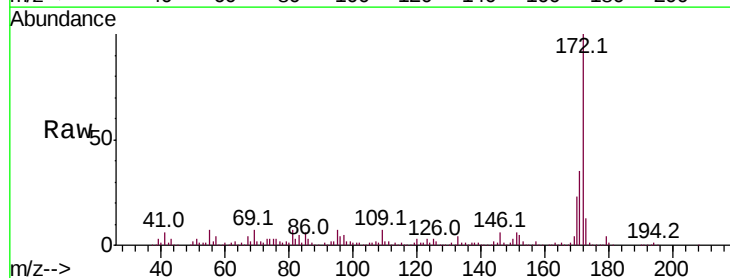
Instrument :
 BNA_F
 ClientSampleId :

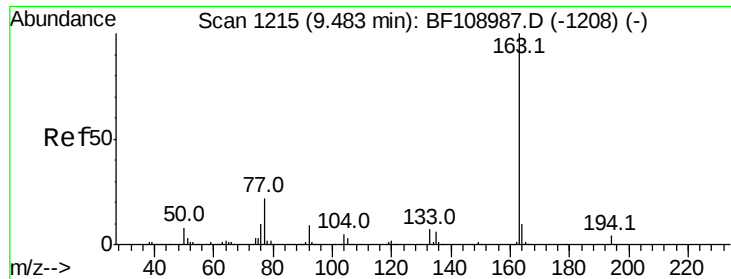
Tot Ion:330 Resp: 83926
 Ion Ratio Lower Upper
 330 100
 332 95.9 77.0 115.6
 141 24.9 29.9 44.9#



#44
 2-Fluorobiphenyl
 Concen: 73.498 ng
 RT: 9.08 min Scan# 1147
 Delta R.T. 0.00 min
 Lab File: BF109102.D
 Acq: 18 Sep 2018 18:14

Tgt Ion:172 Resp: 521928
 Ion Ratio Lower Upper
 172 100
 171 35.5 29.7 44.5
 170 23.3 19.6 29.4

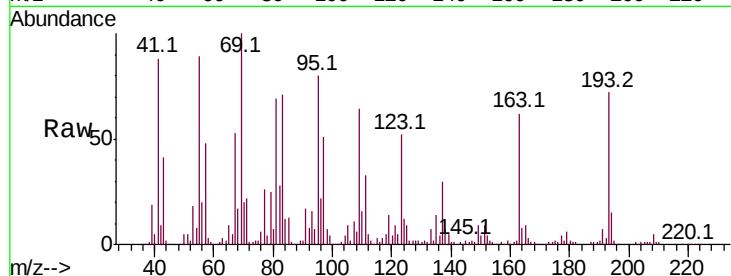




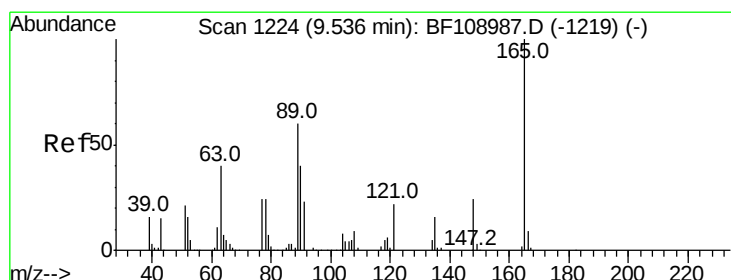
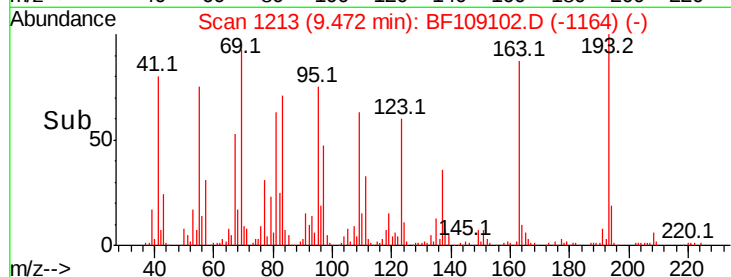
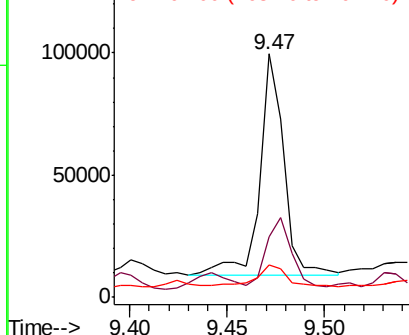
#49
Dimethylphthalate
Concen: 9.692 ng
RT: 9.47 min Scan# 1213
Delta R.T. -0.01 min
Lab File: BF109102.D
Acq: 18 Sep 2018 18:14

Instrument :
BNA_F
ClientSampleId :

Tot Ion:163 Resp: 77068
Ion Ratio Lower Upper
163 100
194 24.6 2.7 4.1#
164 13.5 8.2 12.2#

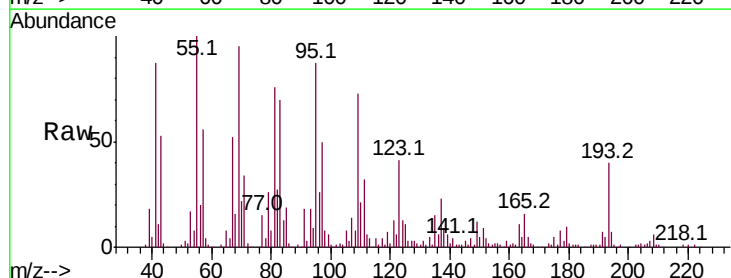


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

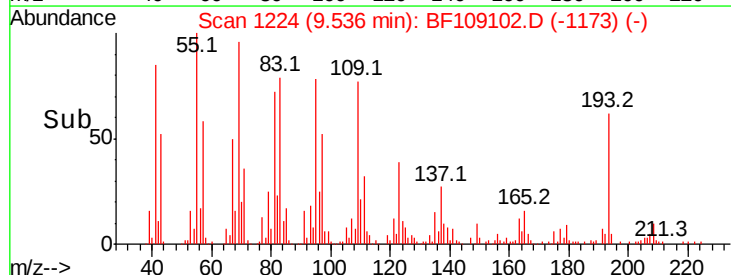
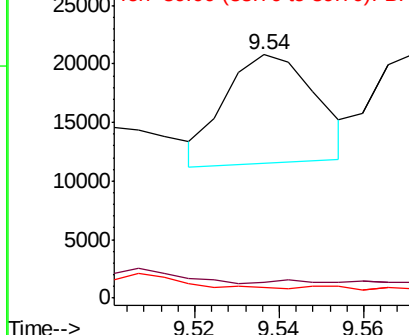


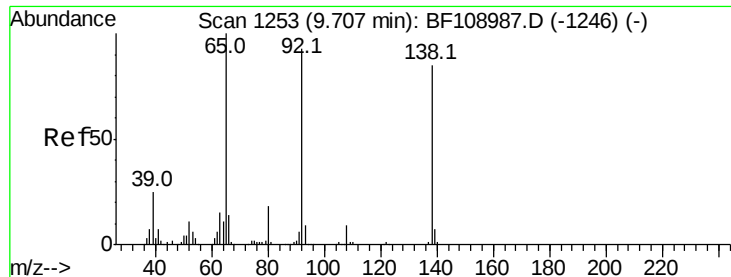
#50
2,6-Dinitrotoluene
Concen: 7.878 ng
RT: 9.54 min Scan# 1224
Delta R.T. -0.00 min
Lab File: BF109102.D
Acq: 18 Sep 2018 18:14

Tgt Ion:165 Resp: 13892
Ion Ratio Lower Upper
165 100
63 6.5 44.7 67.1#
89 4.2 44.0 66.0#



Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BF1
Ion 89.00 (88.70 to 89.70): BF1





#52

3-Nitroaniline

Concen: 6.581 ng

RT: 9.72 min Scan# 1255

Delta R.T. 0.01 min

Lab File: BF109102.D

Acq: 18 Sep 2018 18:14

Instrument :

BNA_F

ClientSampled :

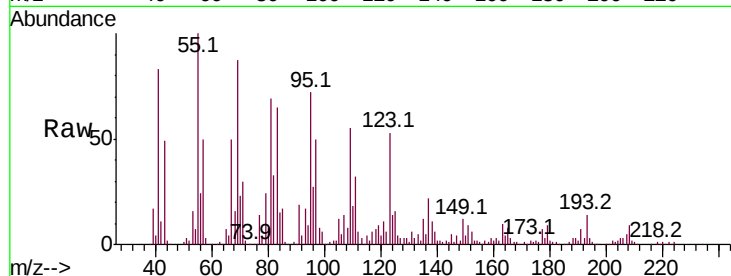
Tot Ion:138 Resp: 13665

Ion Ratio Lower Upper

138 100

108 71.5 9.4 14.0#

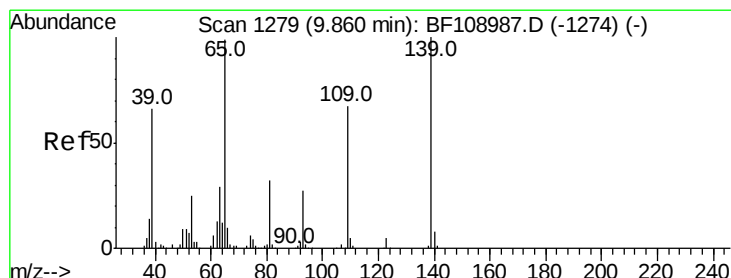
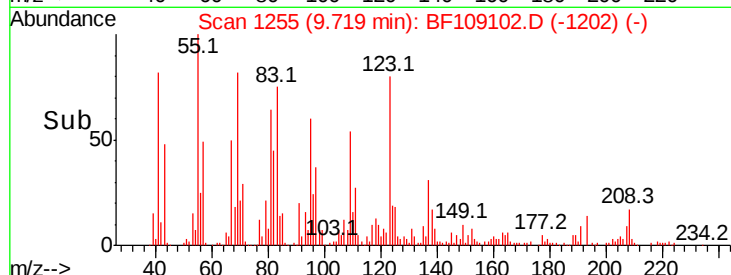
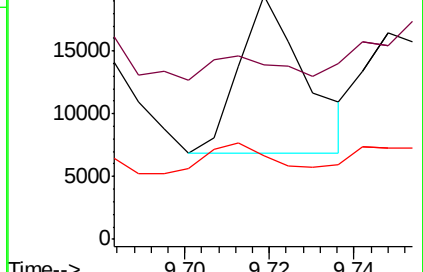
92 34.4 89.4 134.2#



Abundance Ion 138.00 (137.70 to 138.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): BF1



#55

4-Nitrophenol

Concen: 2.293 ng

RT: 9.84 min Scan# 1275

Delta R.T. -0.02 min

Lab File: BF109102.D

Acq: 18 Sep 2018 18:14

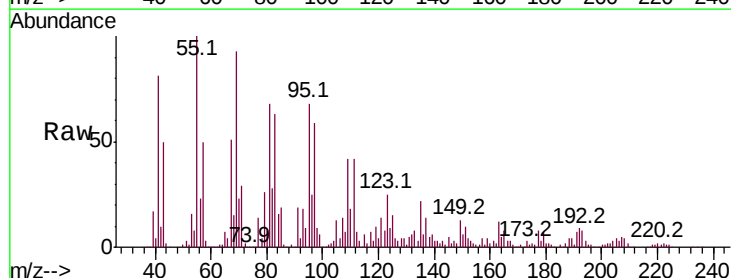
Tgt Ion:139 Resp: 3508

Ion Ratio Lower Upper

139 100

109 656.1 48.4 88.4#

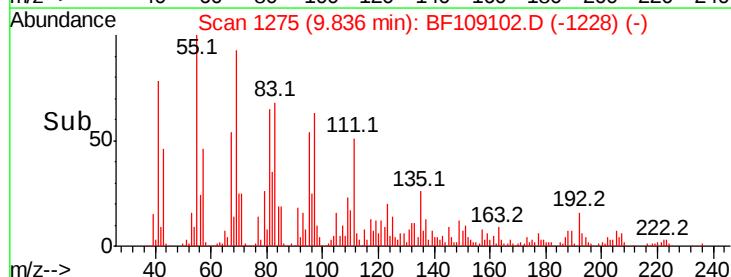
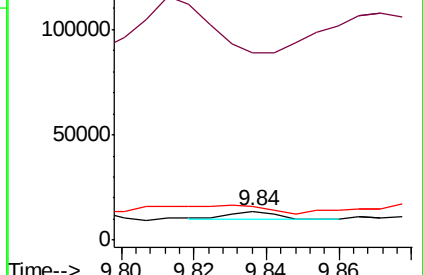
65 117.0 72.6 112.6#

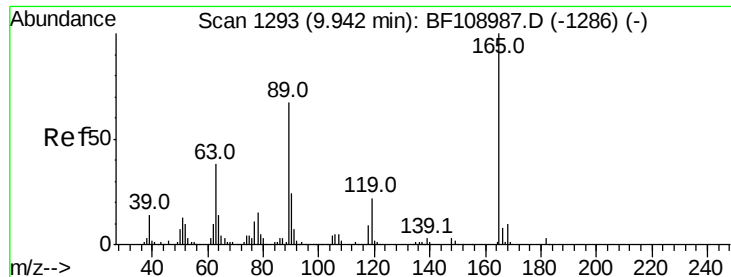


Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BF1

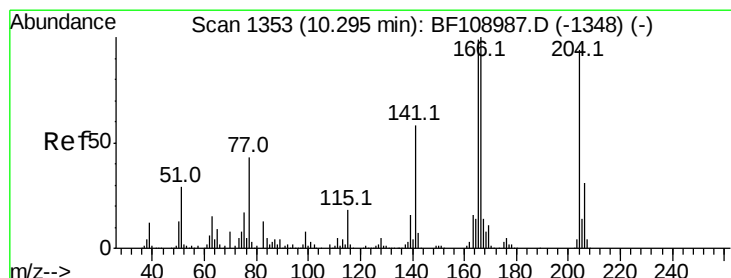
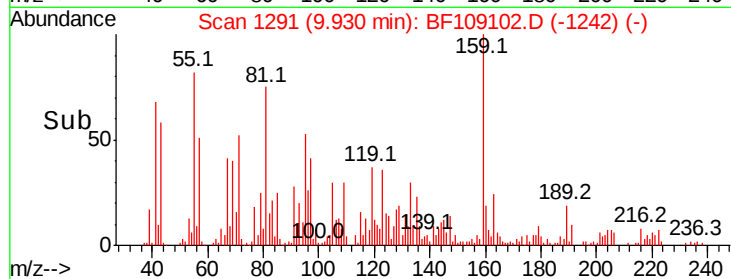
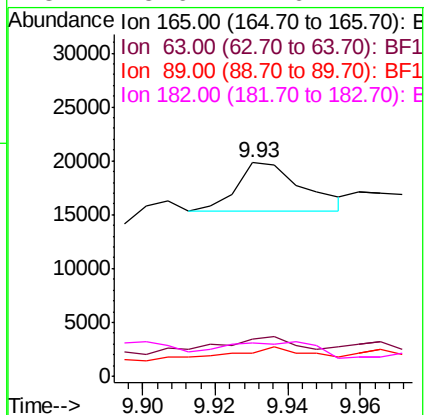
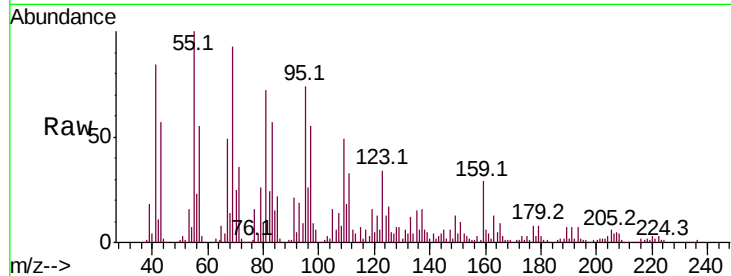




#56
 2,4-Dinitrotoluene
 Concen: 2.450 ng
 RT: 9.93 min Scan# 1291
 Delta R.T. -0.01 min
 Lab File: BF109102.D
 Acq: 18 Sep 2018 18:14

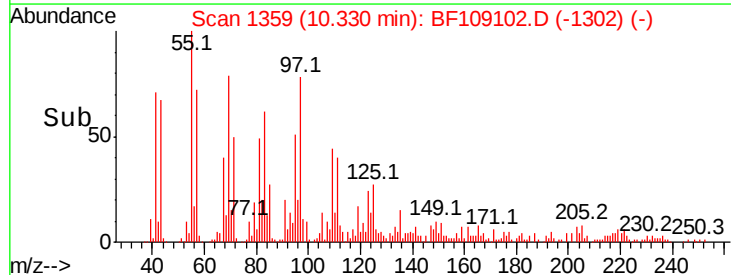
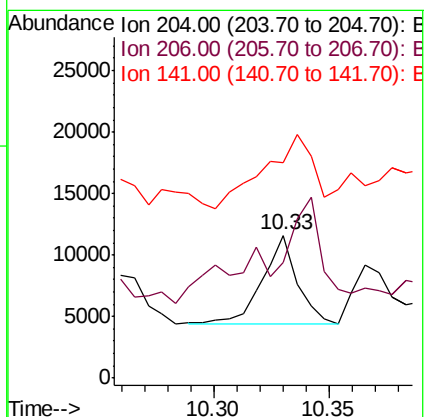
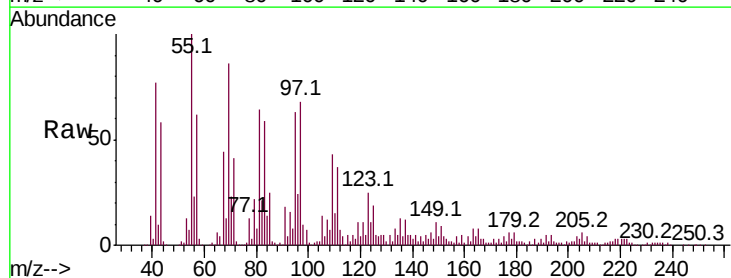
Instrument :
 BNA_F
 ClientSampleId :

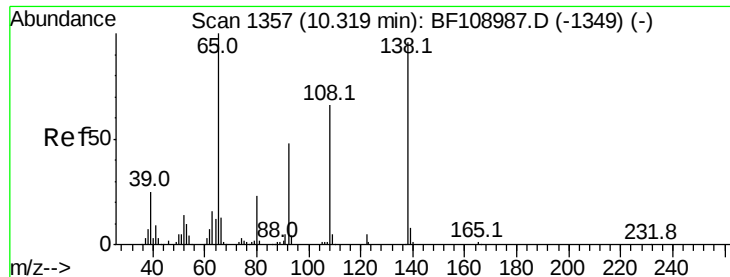
Tot Ion:165 Resp: 5651
 Ion Ratio Lower Upper
 165 100
 63 17.6 36.4 54.6#
 89 11.1 57.8 86.6#
 182 15.6 1.6 2.4#



#60
 4-Chlorophenyl-phenylether
 Concen: 2.231 ng
 RT: 10.33 min Scan# 1359
 Delta R.T. 0.04 min
 Lab File: BF109102.D
 Acq: 18 Sep 2018 18:14

Tgt Ion:204 Resp: 7698
 Ion Ratio Lower Upper
 204 100
 206 81.5 26.5 39.7#
 141 151.3 54.6 81.8#

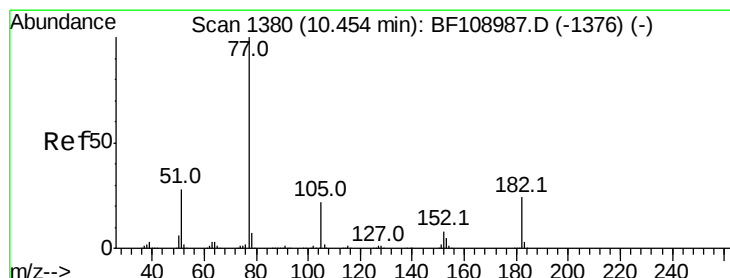
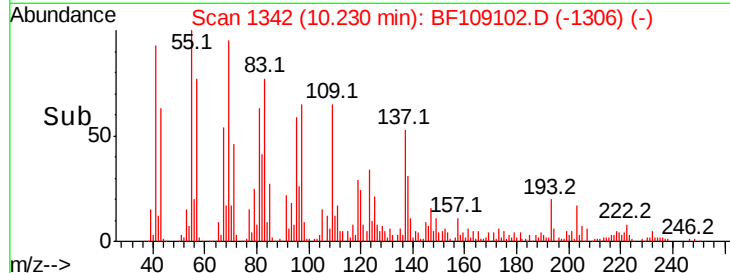
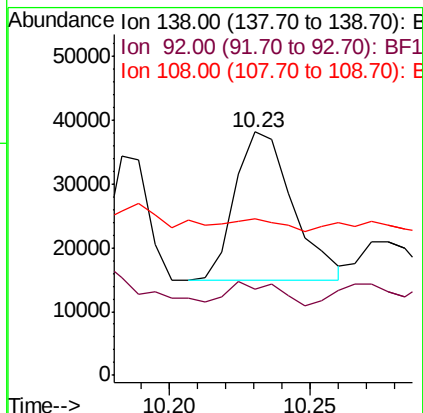
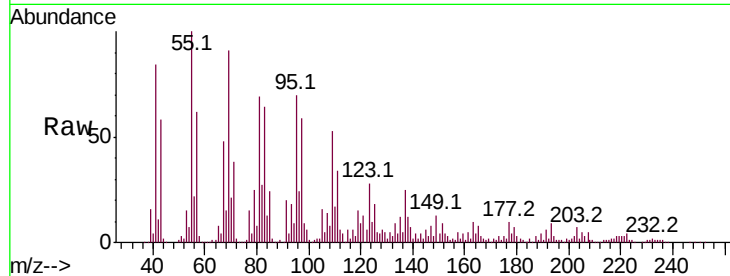




#61
4-Nitroaniline
Concen: 16.913 ng
RT: 10.23 min Scan# 1342
Delta R.T. -0.09 min
Lab File: BF109102.D
Acq: 18 Sep 2018 18:14

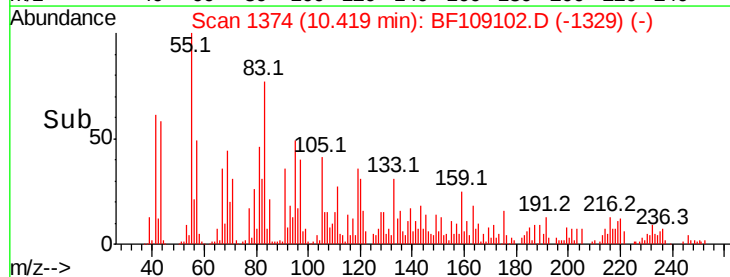
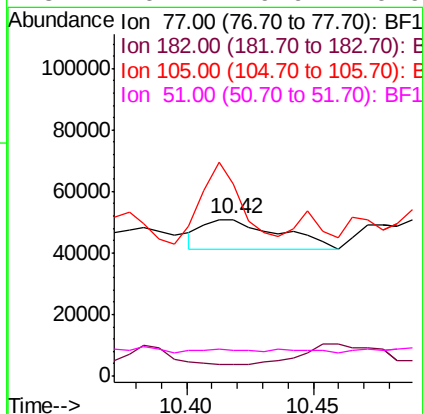
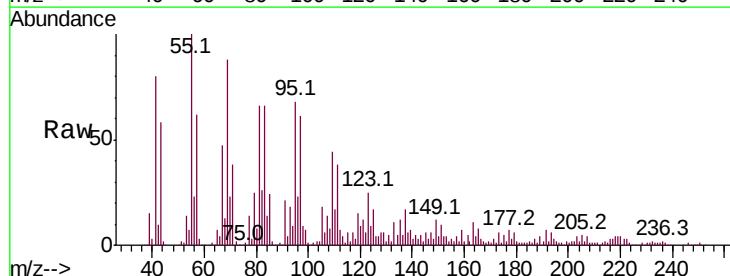
Instrument :
BNA_F
ClientSampled :

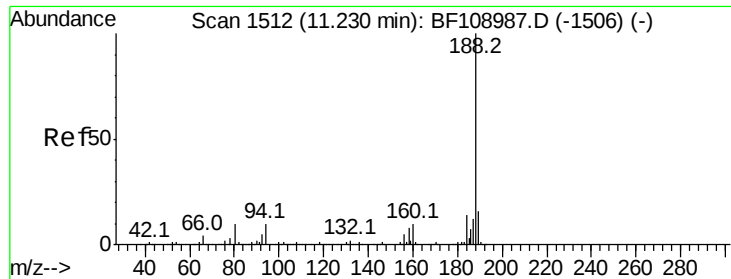
Tot Ion:138 Resp: 33368
Ion Ratio Lower Upper
138 100
92 35.6 30.2 70.2
108 64.5 52.5 92.5



#62
Azobenzene
Concen: 2.562 ng
RT: 10.42 min Scan# 1374
Delta R.T. -0.04 min
Lab File: BF109102.D
Acq: 18 Sep 2018 18:14

Tgt Ion: 77 Resp: 21061
Ion Ratio Lower Upper
77 100
182 7.6 1.7 41.7
105 123.2 3.0 43.0#
51 16.2 9.9 49.9





#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.27 min Scan# 1519

Delta R.T. 0.04 min

Lab File: BF109102.D

Acq: 18 Sep 2018 18:14

Instrument :

BNA_F

ClientSampled :

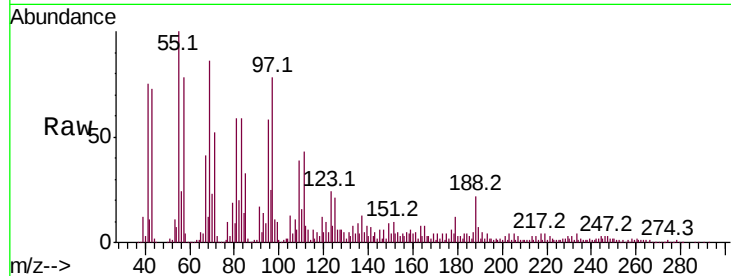
Tot Ion:188 Resp: 124535

Ion Ratio Lower Upper

188 100

94 41.0 8.5 12.7#

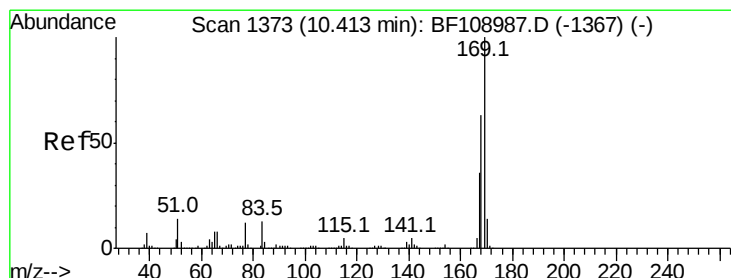
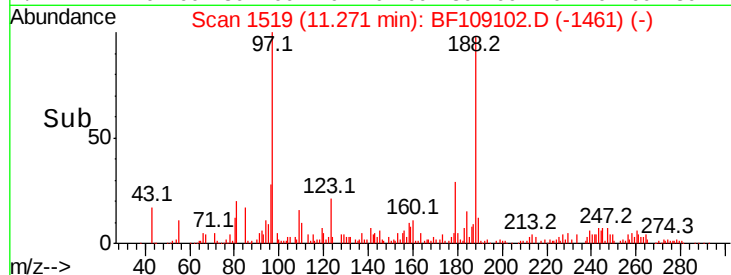
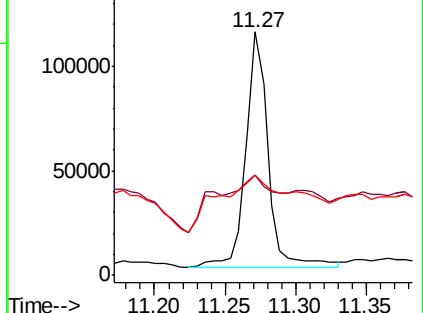
80 41.4 9.2 13.8#



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1



#65

n-Nitrosodiphenylamine

Concen: 11.433 ng

RT: 10.45 min Scan# 1380

Delta R.T. 0.04 min

Lab File: BF109102.D

Acq: 18 Sep 2018 18:14

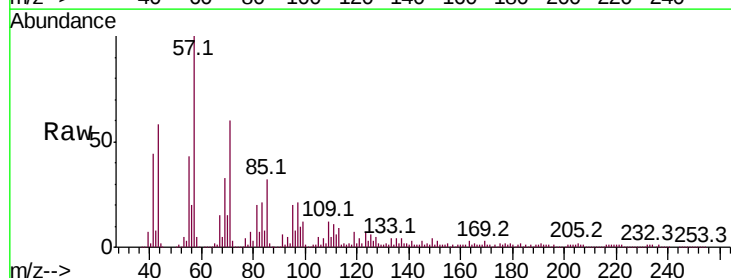
Tgt Ion:169 Resp: 46573

Ion Ratio Lower Upper

169 100

168 30.9 54.4 81.6#

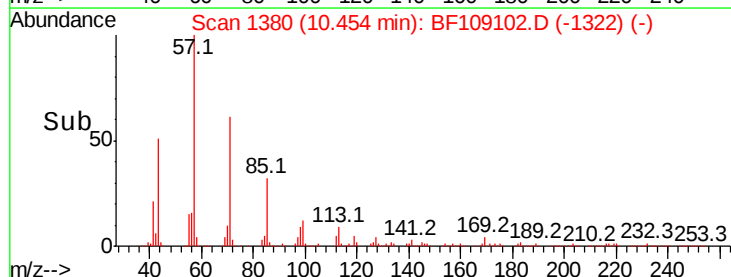
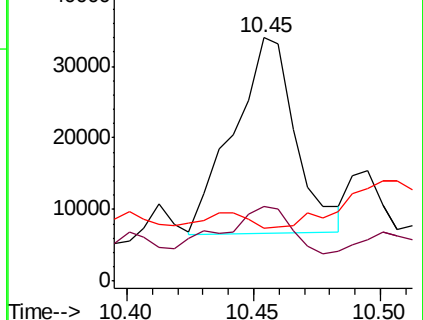
167 22.0 29.8 44.6#

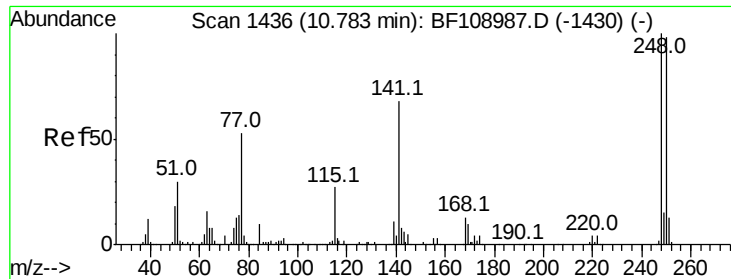


Abundance Ion 169.00 (168.70 to 169.70): E

Ion 168.00 (167.70 to 168.70): E

Ion 167.00 (166.70 to 167.70): E

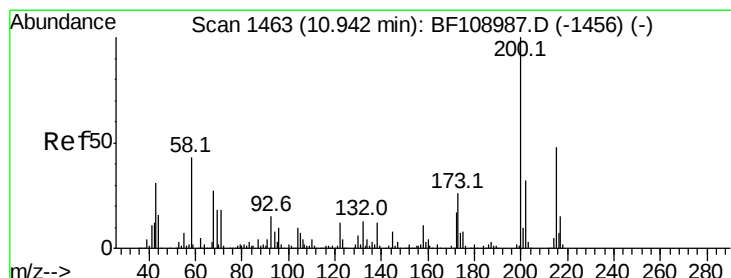
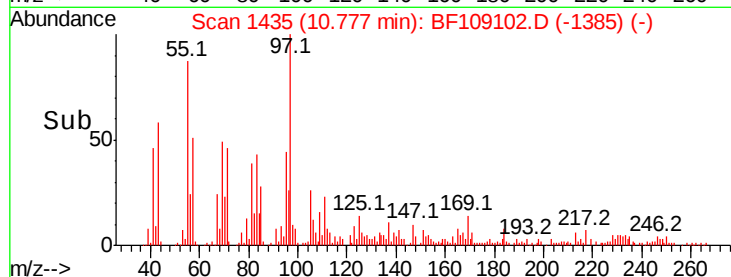
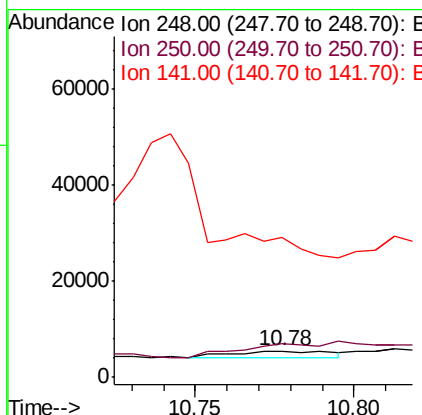
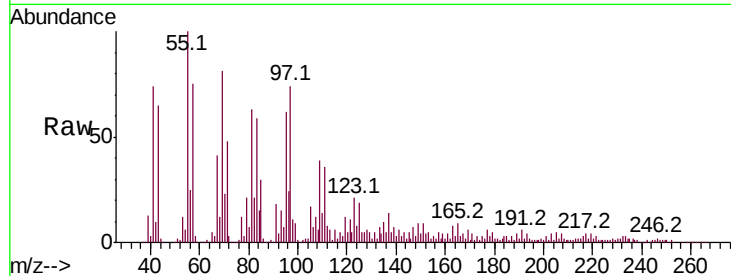




#66
4-Bromophenyl-phenylether
Concen: 2.112 ng
RT: 10.78 min Scan# 1435
Delta R.T. -0.01 min
Lab File: BF109102.D
Acq: 18 Sep 2018 18:14

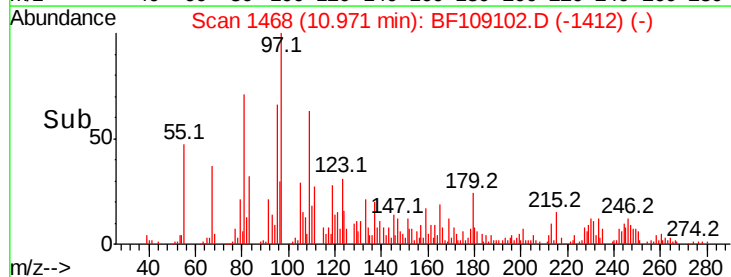
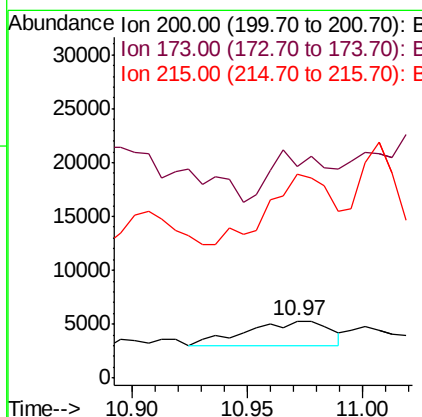
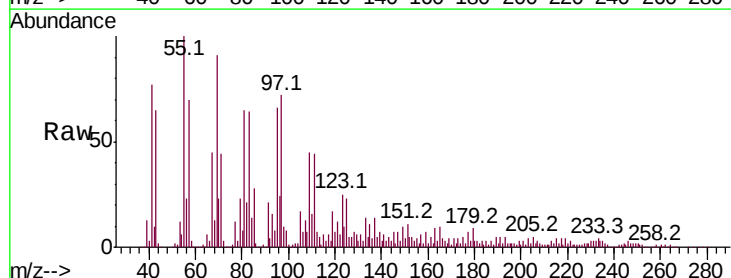
Instrument :
BNA_F
ClientSampleId :

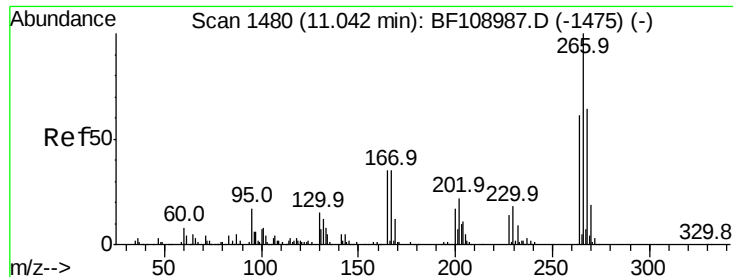
Tot Ion:248 Resp: 2965
Ion Ratio Lower Upper
248 100
250 125.9 76.9 115.3#
141 525.9 74.4 111.6#



#68
Atrazine
Concen: 4.540 ng
RT: 10.97 min Scan# 1468
Delta R.T. 0.03 min
Lab File: BF109102.D
Acq: 18 Sep 2018 18:14

Tgt Ion:200 Resp: 5920
Ion Ratio Lower Upper
200 100
173 373.1 8.6 48.6#
215 359.1 25.1 65.1#

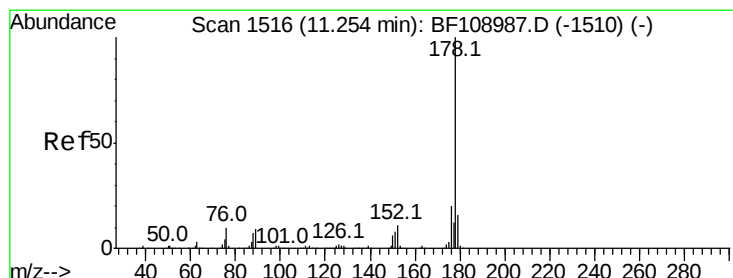
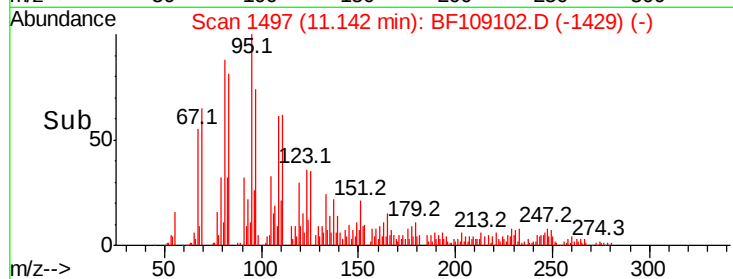
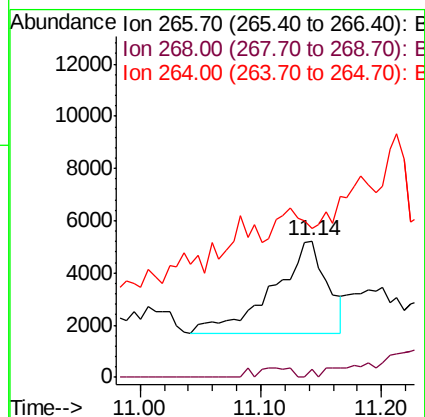
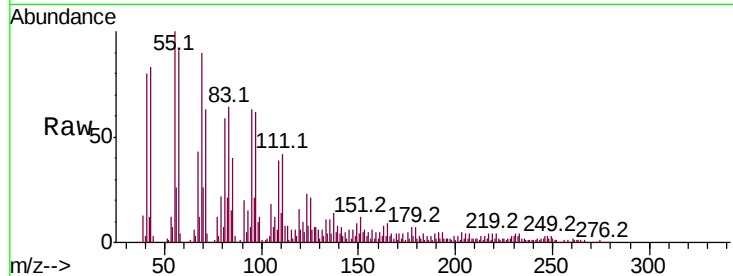




#69
 Pentachlorophenol
 Concen: 11.509 ng
 RT: 11.14 min Scan# 1497
 Delta R.T. 0.10 min
 Lab File: BF109102.D
 Acq: 18 Sep 2018 18:14

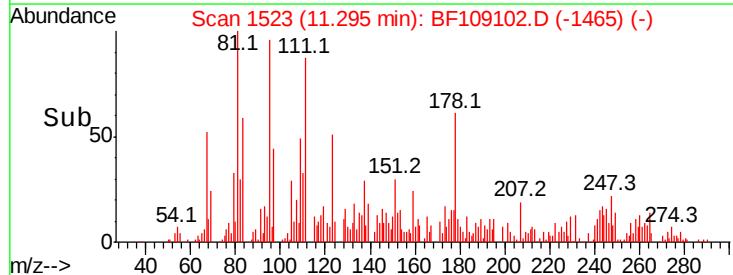
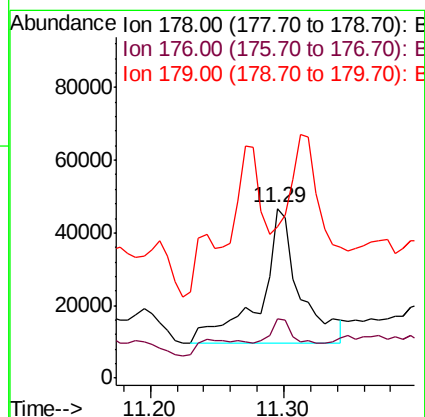
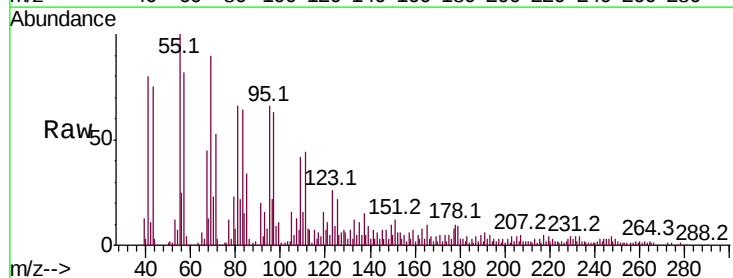
Instrument :
 BNA_F
 ClientSampleId :

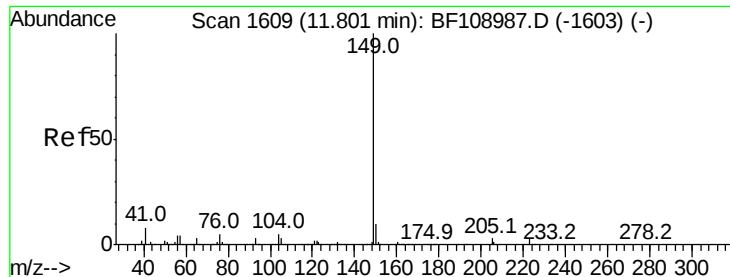
Tot Ion:266 Resp: 11058
 Ion Ratio Lower Upper
 266 100
 268 6.1 51.1 76.7#
 264 109.2 49.5 74.3#



#70
 Phenanthrene
 Concen: 12.543 ng
 RT: 11.29 min Scan# 1523
 Delta R.T. 0.04 min
 Lab File: BF109102.D
 Acq: 18 Sep 2018 18:14

Tgt Ion:178 Resp: 76570
 Ion Ratio Lower Upper
 178 100
 176 35.1 15.8 23.8#
 179 89.5 13.0 19.6#





#73

Di-n-butylphthalate

Concen: 9.209 ng

RT: 11.85 min Scan# 1618

Delta R.T. 0.05 min

Lab File: BF109102.D

Acq: 18 Sep 2018 18:14

Instrument :

BNA_F

ClientSampleId :

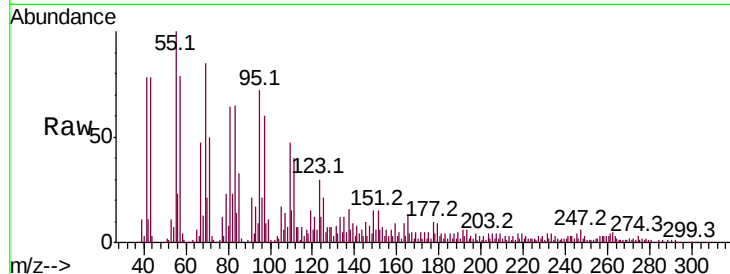
Tot Ion:149 Resp: 66033

Ion Ratio Lower Upper

149 100

150 40.3 7.8 11.6#

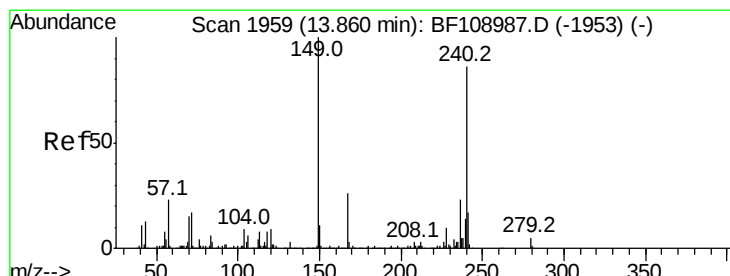
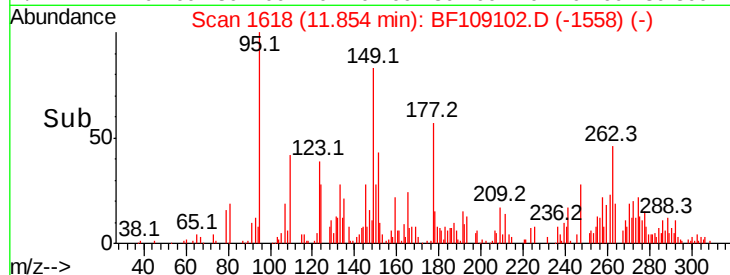
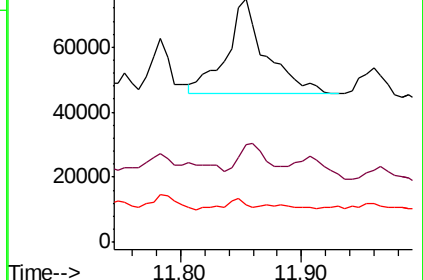
104 15.3 3.8 5.8#



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E



#75

Chrysene-d12

Concen: 20.000 ng

RT: 13.91 min Scan# 1967

Delta R.T. 0.05 min

Lab File: BF109102.D

Acq: 18 Sep 2018 18:14

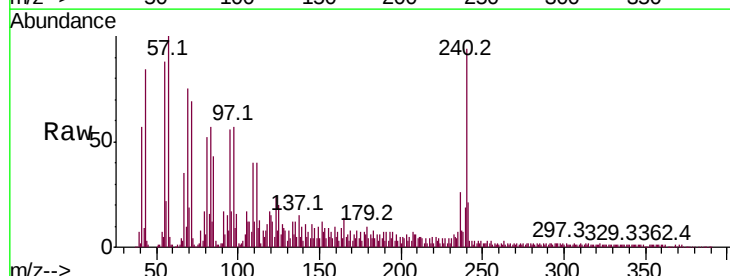
Tgt Ion:240 Resp: 214158

Ion Ratio Lower Upper

240 100

120 16.4 9.5 14.3#

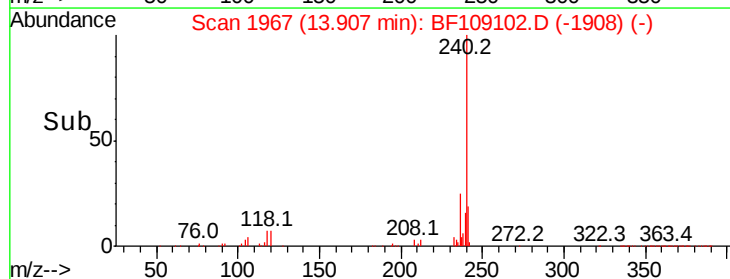
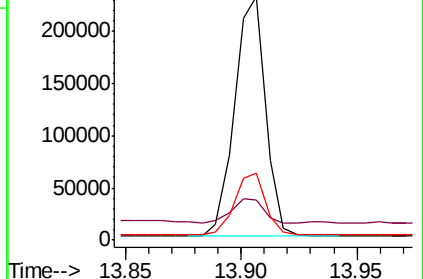
236 27.4 20.7 31.1

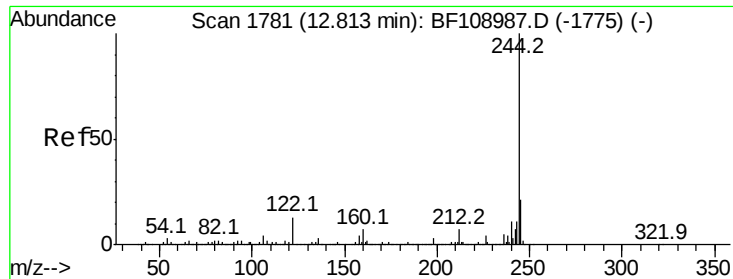


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

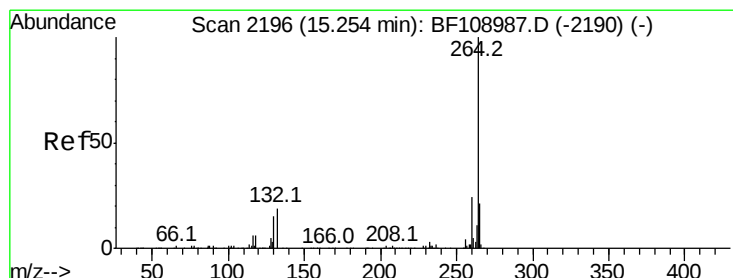
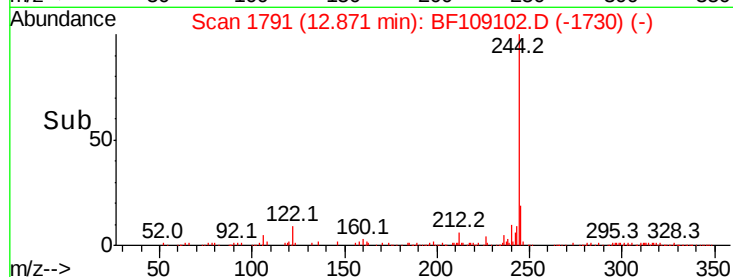
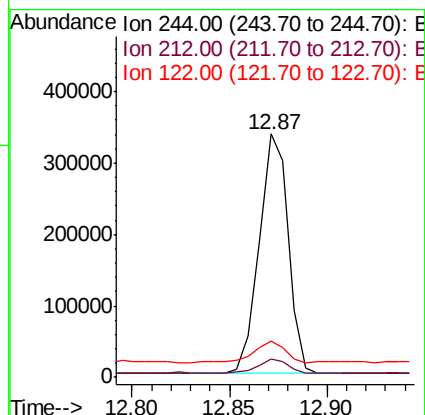
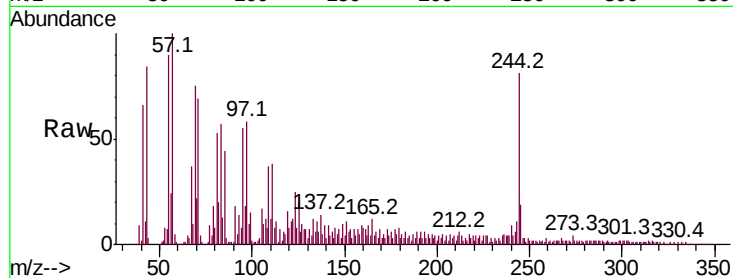




#78
 Terphenyl-d14
 Concen: 38.244 ng
 RT: 12.87 min Scan# 1791
 Delta R.T. 0.06 min
 Lab File: BF109102.D
 Acq: 18 Sep 2018 18:14

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:244 Resp: 345539
 Ion Ratio Lower Upper
 244 100
 212 7.5 5.4 8.0
 122 15.1 11.0 16.4



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.28 min Scan# 2201
 Delta R.T. 0.03 min
 Lab File: BF109102.D
 Acq: 18 Sep 2018 18:14

Tgt Ion:264 Resp: 256163
 Ion Ratio Lower Upper
 264 100
 260 23.3 19.2 28.8
 265 21.8 17.5 26.3

