

Data Path : Z:\HPCHEM1\BNA G\DATA\BG022718\
 Data File : BG032862.D
 Acq On : 27 Feb 2018 19:48
 Operator : SJ/JU
 Sample : J1680-01
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Feb 28 02:39:40 2018
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG022118.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Feb 26 17:50:45 2018
 Response via : Initial Calibration

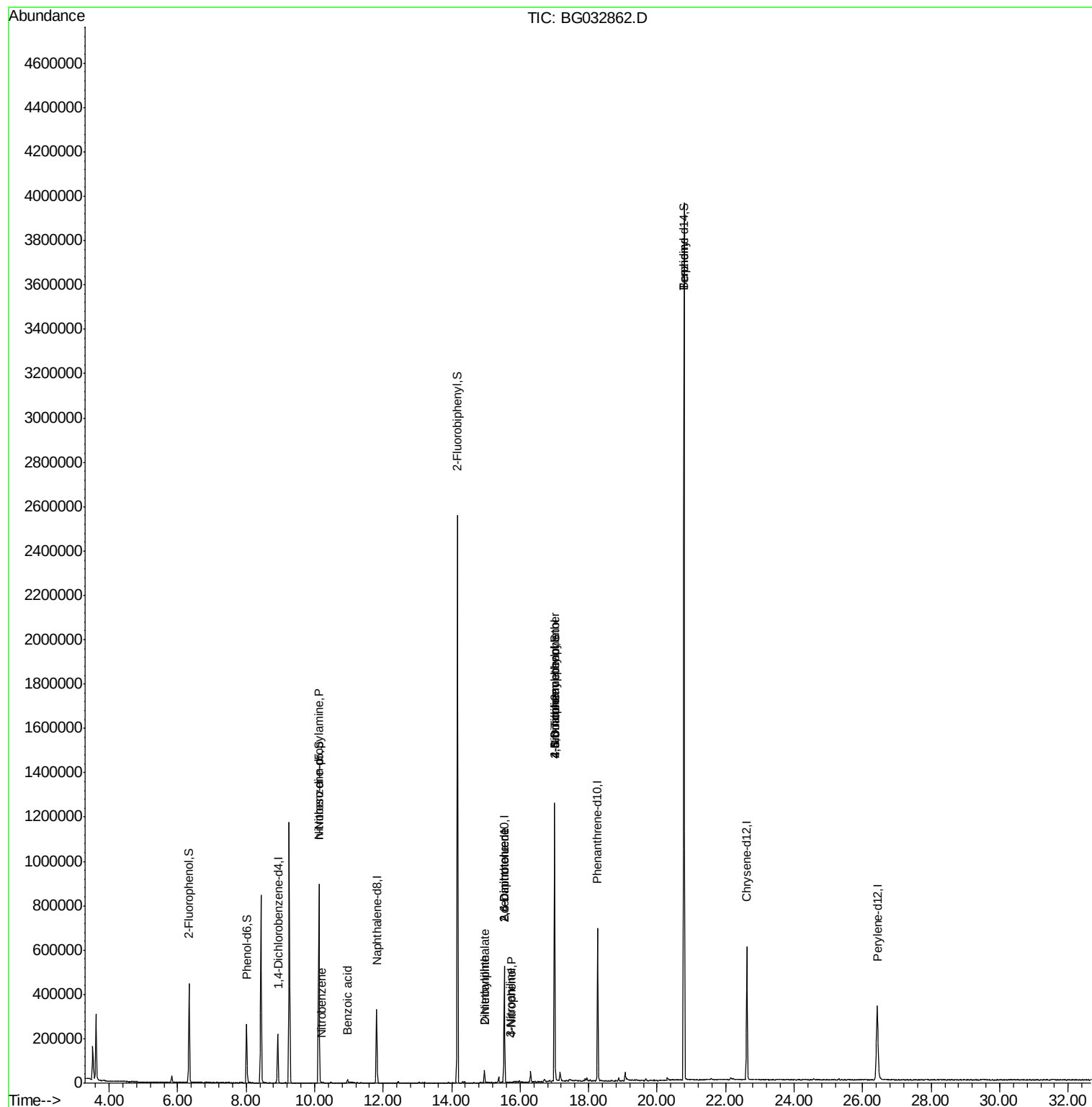
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.92	152	69439	20.00	ng	0.00
21) Naphthalene-d8	11.81	136	308843	20.00	ng	0.00
38) Acenaphthene-d10	15.53	164	181576	20.00	ng	0.00
63) Phenanthrene-d10	18.26	188	412929	20.00	ng	0.00
75) Chrysene-d12	22.62	240	389671	20.00	ng	-0.01
86) Perylene-d12	26.42	264	408268	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	6.33	112	217390	50.09	ng	0.00
7) Phenol-d6	8.01	99	175392	28.99	ng	0.00
23) Nitrobenzene-d5	10.12	82	594534	127.92	ng	0.00
41) 2,4,6-Tribromophenol	17.01	330	229432	120.17	ng	0.00
44) 2-Fluorobiphenyl	14.17	172	1333676	105.93	ng	0.00
78) Terphenyl-d14	20.78	244	1785579	102.95	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	10.12	70	76141	17.83	ng	# 81
24) Nitrobenzene	10.20	77	62	6.39	ng	# 42
32) Benzoic acid	10.95	122	8409	9.22	ng	# 83
47) 2-Nitroaniline	14.96	65	400	9.94	ng	# 1
49) Dimethylphthalate	14.96	163	36684	2.38	ng	# 98
50) 2,6-Dinitrotoluene	15.53	165	23418	16.37	ng	# 21
52) 3-Nitroaniline	15.71	138	140	7.58	ng	# 1
55) 4-Nitrophenol	15.75	139	58	7.10	ng	# 28
56) 2,4-Dinitrotoluene	15.53	165	23418	14.57	ng	# 19
61) 4-Nitroaniline	16.99	138	140	5.34	ng	# 1
64) 4,6-Dinitro-2-methylphenol	17.00	198	535	5.50	ng	# 1
66) 4-Bromophenyl-phenylether	17.01	248	16352	3.75	ng	# 1
76) Benzidine	20.78	184	31656	2.38	ng	94

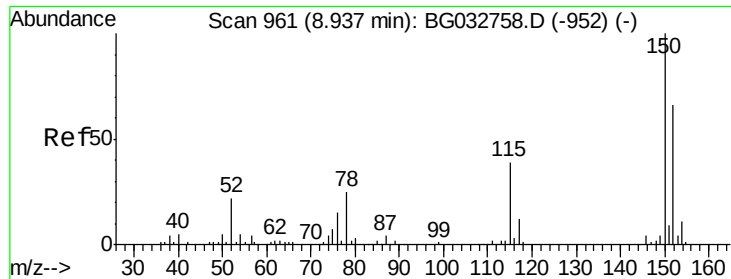
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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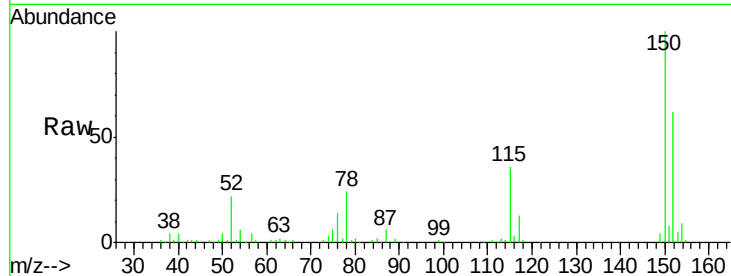


#1

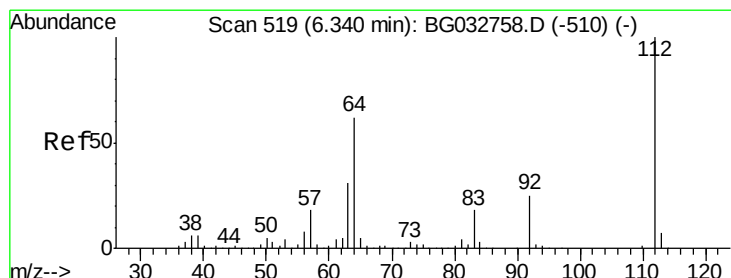
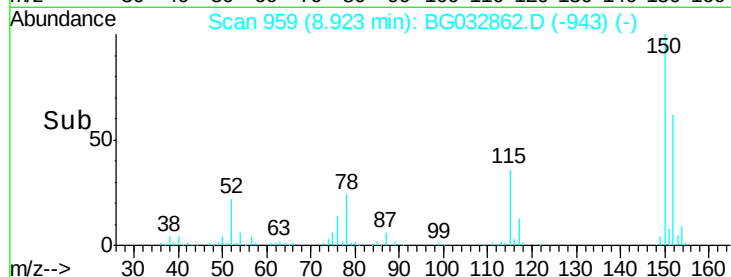
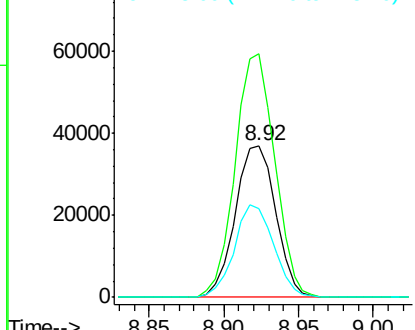
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 8.92 min Scan# 959
Delta R.T. -0.00 min
Lab File: BG032862.D
Acq: 27 Feb 2018 19:48

Instrument :
BNA_G
ClientSampleId :

Tot Ion:152 Resp: 69439
Ion Ratio Lower Upper
152 100
150 160.5 126.6 189.8
115 58.5 53.0 79.4



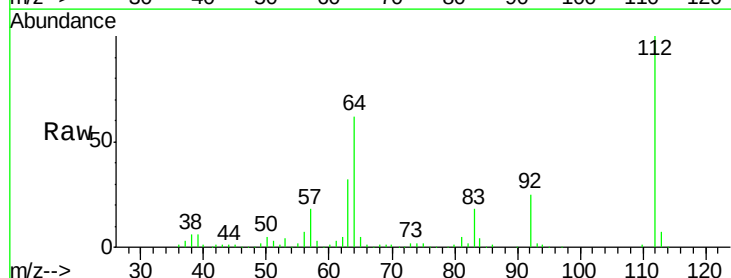
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



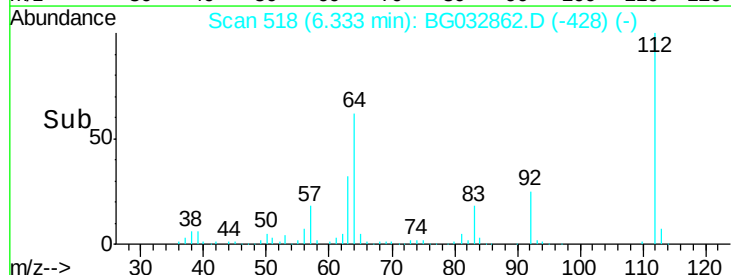
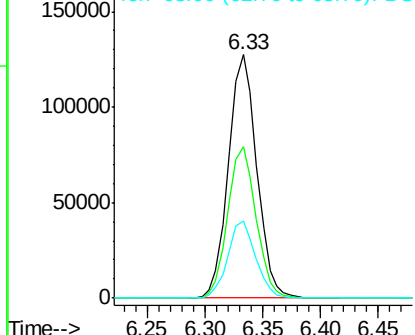
#5

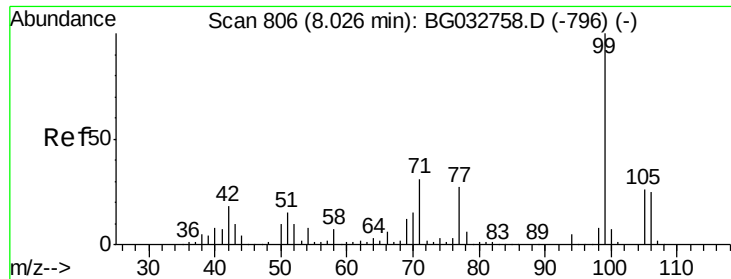
2-Fluorophenol
Concen: 50.09 ng
RT: 6.33 min Scan# 518
Delta R.T. -0.00 min
Lab File: BG032862.D
Acq: 27 Feb 2018 19:48

Tgt Ion:112 Resp: 217390
Ion Ratio Lower Upper
112 100
64 62.4 56.3 84.5
63 31.6 30.1 45.1



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BG0
Ion 63.00 (62.70 to 63.70): BG0





#7

Phenol-d6

Concen: 28.99 ng

RT: 8.01 min Scan# 804

Delta R.T. -0.00 min

Lab File: BG032862.D

Acq: 27 Feb 2018 19:48

Instrument :

BNA_G

ClientSampleId :

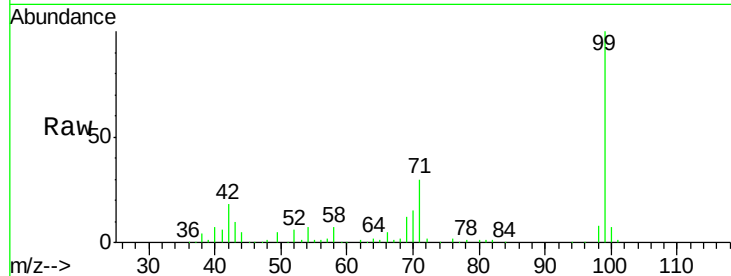
Tot Ion: 99 Resp: 175392

Ion Ratio Lower Upper

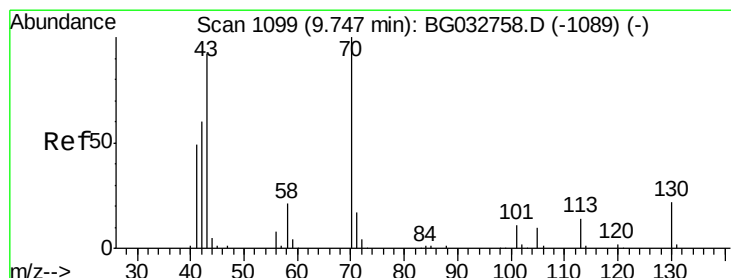
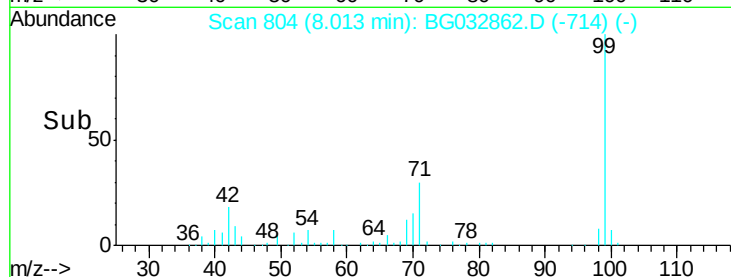
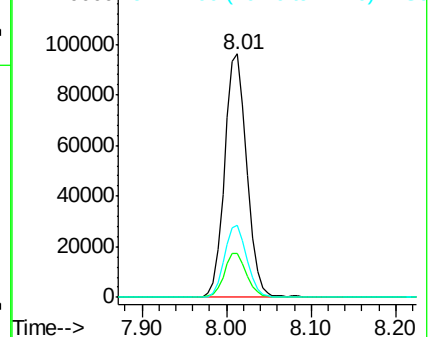
99 100

42 18.1 14.1 21.1

71 29.7 26.1 39.1



Abundance Ion 99.00 (98.70 to 99.70): BGC
Ion 42.00 (41.70 to 42.70): BGC
Ion 71.00 (70.70 to 71.70): BGC



#19

n-Nitroso-di-n-propylamine

Concen: 17.83 ng

RT: 10.12 min Scan# 1163

Delta R.T. 0.38 min

Lab File: BG032862.D

Acq: 27 Feb 2018 19:48

Tgt Ion: 70 Resp: 76141

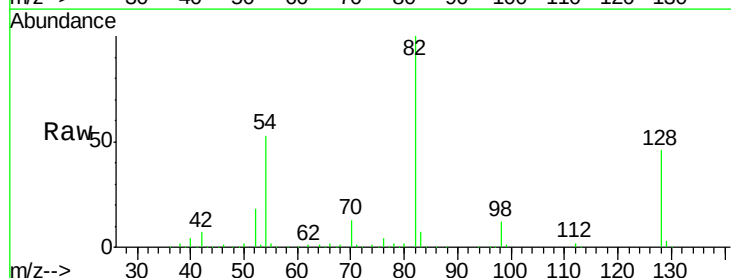
Ion Ratio Lower Upper

70 100

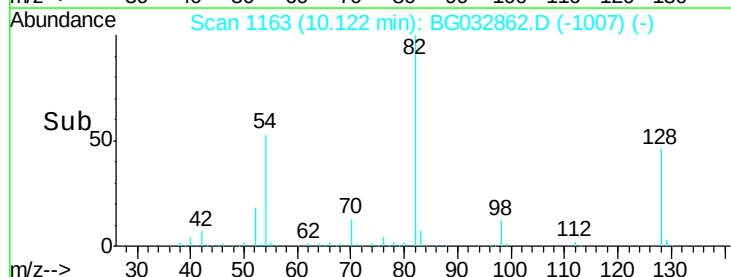
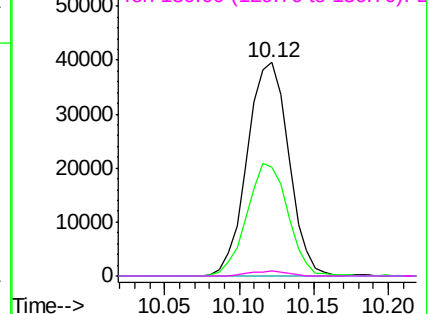
42 50.8 49.1 73.7

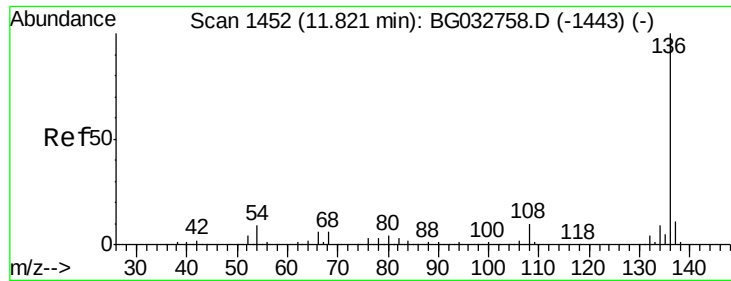
101 0.0 8.5 12.7#

130 2.7 13.4 20.0#



Abundance Ion 70.00 (69.70 to 70.70): BGC
Ion 42.00 (41.70 to 42.70): BGC
Ion 101.00 (100.70 to 101.70): BGC
Ion 130.00 (129.70 to 130.70): BGC

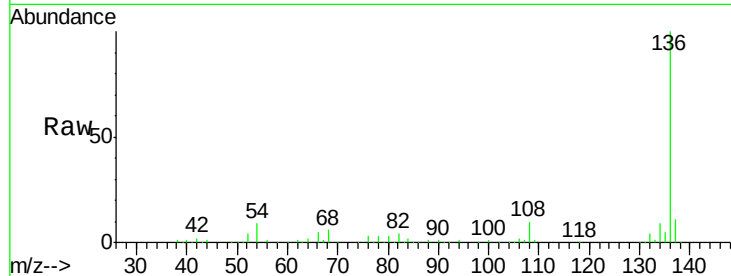




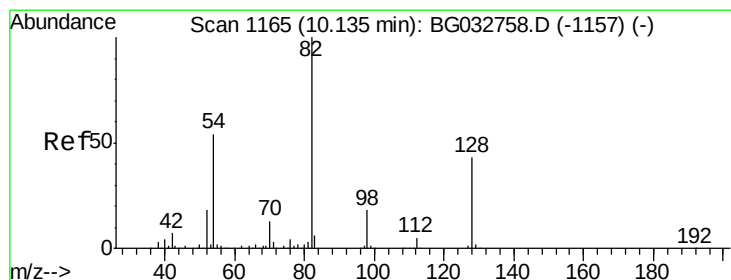
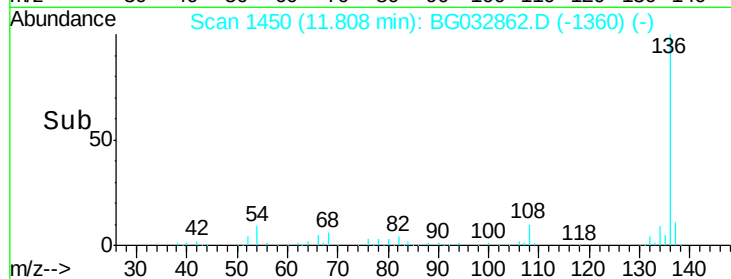
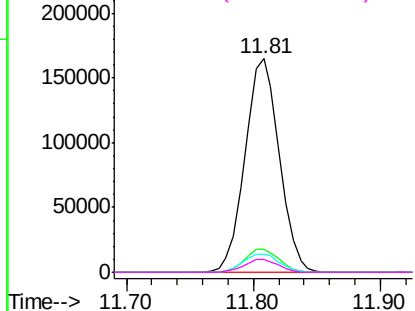
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 11.81 min Scan# 1450
Delta R.T. -0.00 min
Lab File: BG032862.D
Acq: 27 Feb 2018 19:48

Instrument :
BNA_G
ClientSampleId :

Tot Ion:136	Resp:	308843
Ion Ratio	Lower	Upper
136	100	
137	11.0	9.2 13.8
54	8.6	10.3 15.5#
68	6.3	4.5 6.7

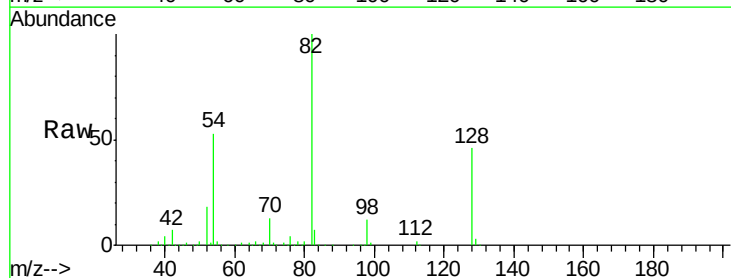


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

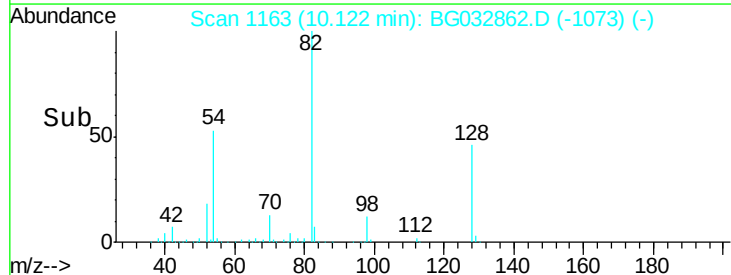
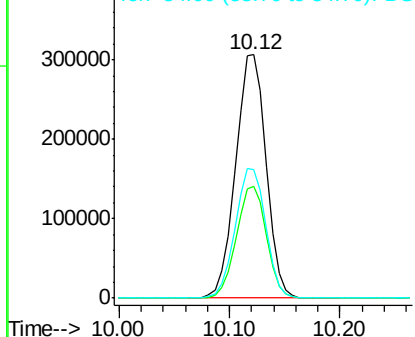


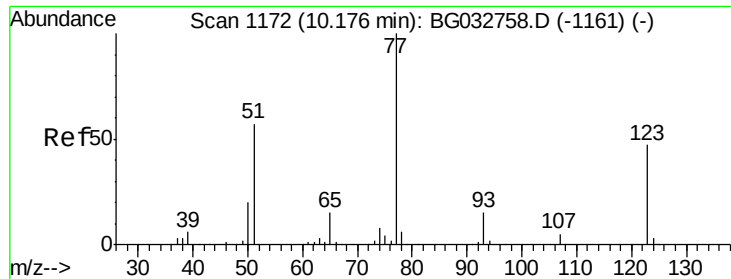
#23
Nitrobenzene-d5
Concen: 127.92 ng
RT: 10.12 min Scan# 1163
Delta R.T. -0.00 min
Lab File: BG032862.D
Acq: 27 Feb 2018 19:48

Tgt Ion: 82	Resp:	594534
Ion Ratio	Lower	Upper
82	100	
128	46.2	29.7 44.5#
54	52.9	43.1 64.7



Abundance Ion 82.00 (81.70 to 82.70): BGC
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BGC

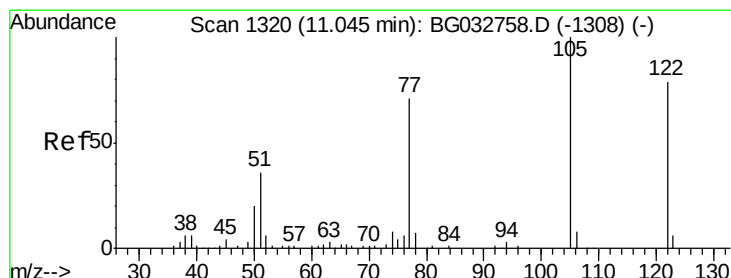
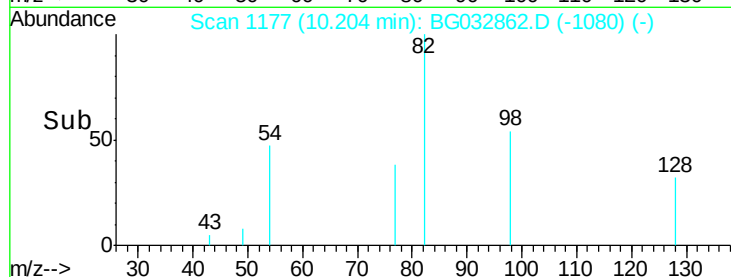
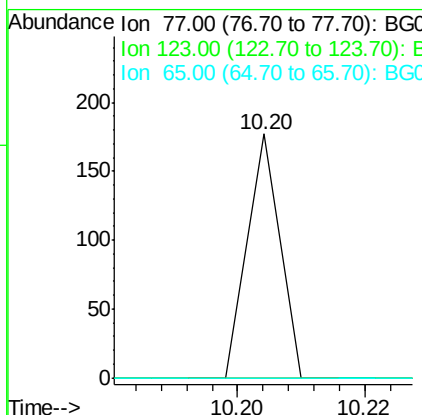
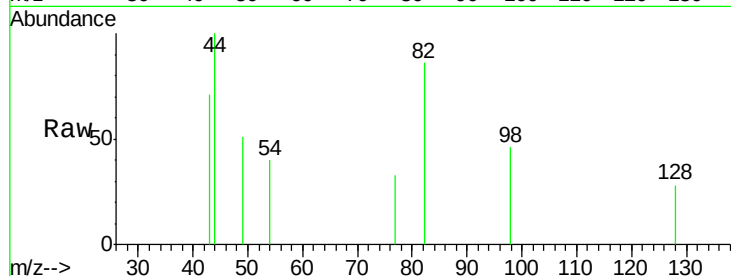




#24
 Nitrobenzene
 Concen: 6.39 ng
 RT: 10.20 min Scan# 1177
 Delta R.T. 0.04 min
 Lab File: BG032862.D
 Acq: 27 Feb 2018 19:48

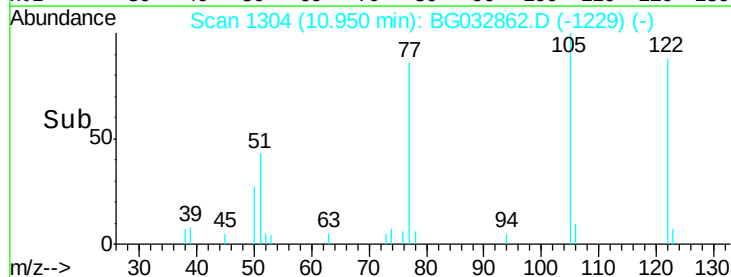
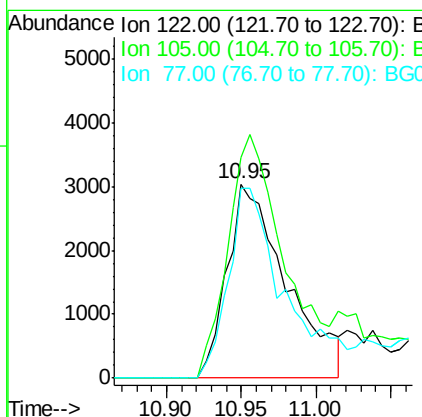
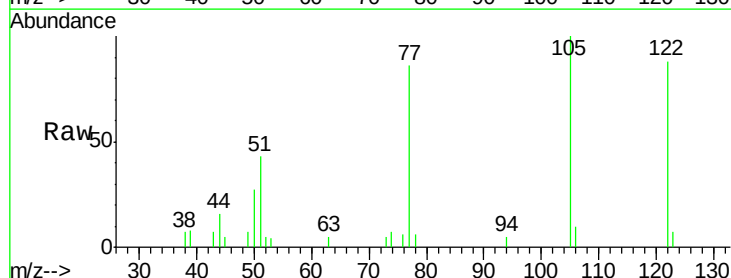
Instrument :
 BNA_G
 ClientSampleId :

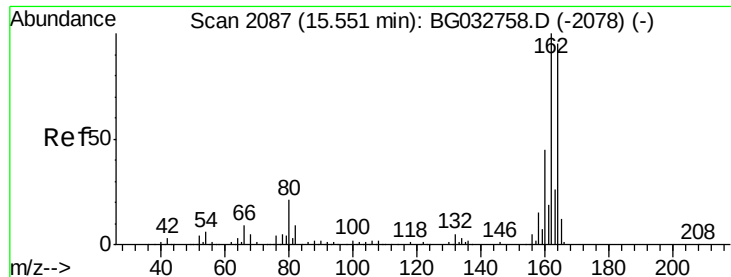
Tot Ion	Ratio	Lower	Upper
77	100		
123	0.0	33.0	49.6#
65	0.0	13.0	19.6#



#32
 Benzoic acid
 Concen: 9.22 ng
 RT: 10.95 min Scan# 1304
 Delta R.T. -0.09 min
 Lab File: BG032862.D
 Acq: 27 Feb 2018 19:48

Tgt Ion	Ratio	Lower	Upper
122	100		
105	113.7	123.5	163.5#
77	97.6	85.7	125.7





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 15.53 min Scan# 2084

Delta R.T. -0.01 min

Lab File: BG032862.D

Acq: 27 Feb 2018 19:48

Instrument :

BNA_G

ClientSampleId :

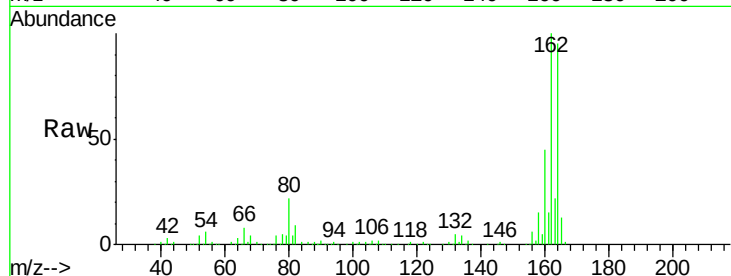
Tot Ion:164 Resp: 181576

Ion Ratio Lower Upper

164 100

162 105.2 78.8 118.2

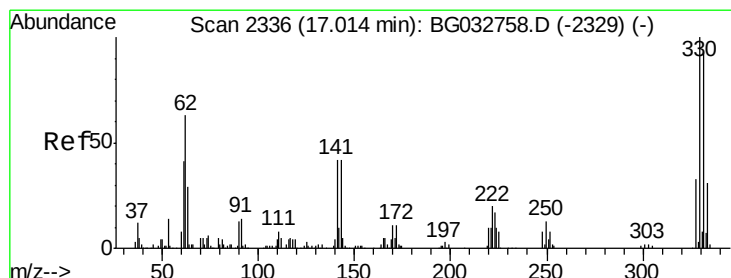
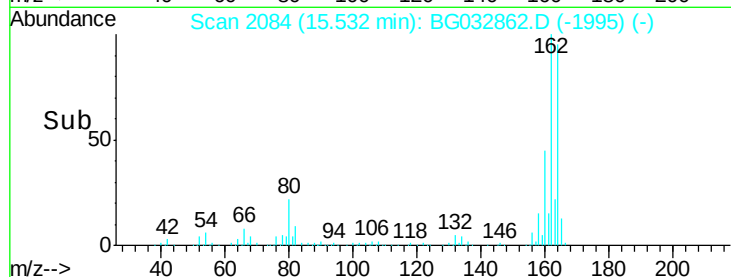
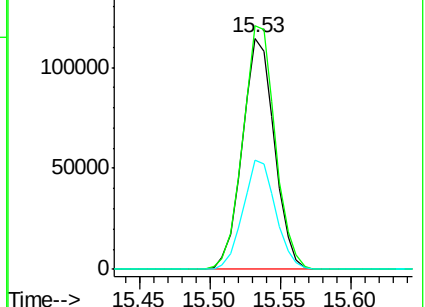
160 47.4 35.4 53.0



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: 120.17 ng

RT: 17.01 min Scan# 2335

Delta R.T. -0.00 min

Lab File: BG032862.D

Acq: 27 Feb 2018 19:48

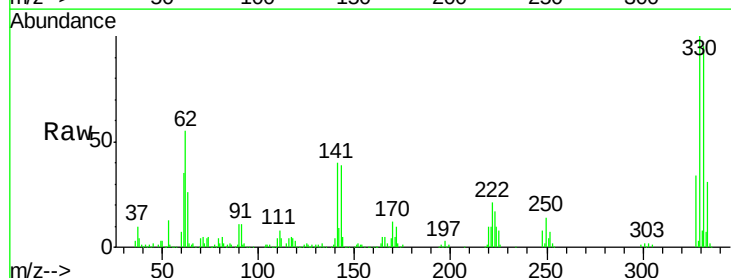
Tgt Ion:330 Resp: 229432

Ion Ratio Lower Upper

330 100

332 95.7 77.0 115.6

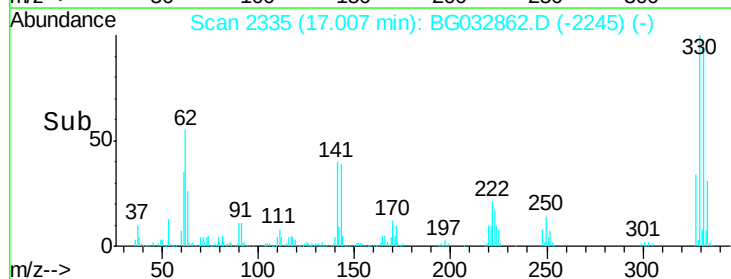
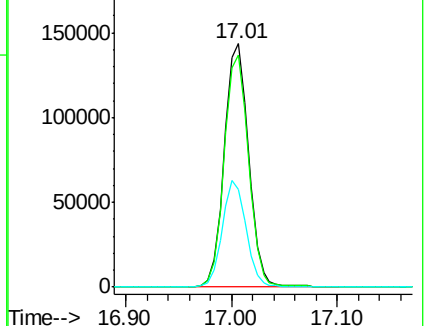
141 43.3 25.2 37.8#

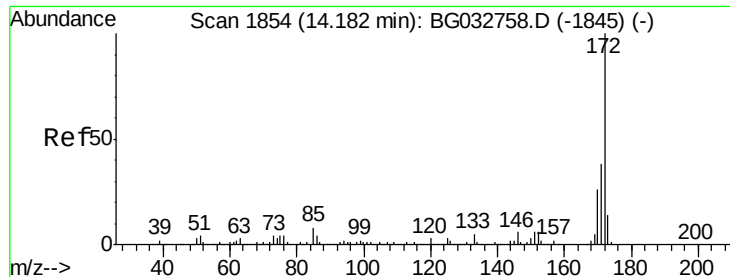


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

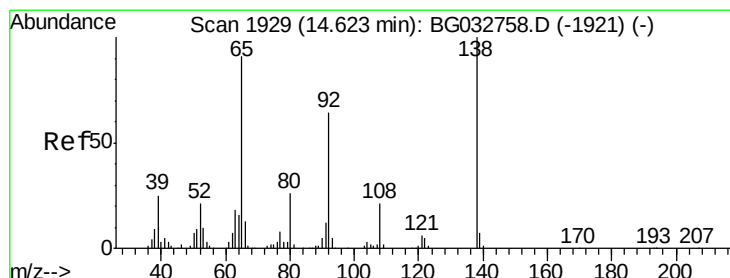
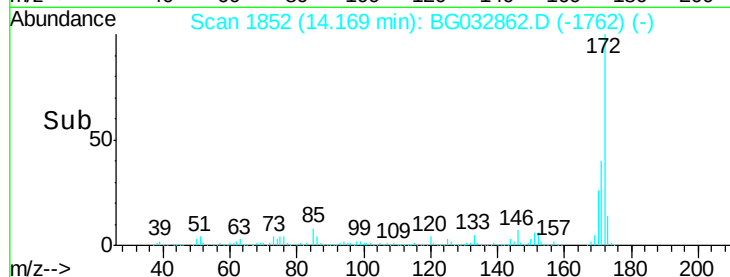
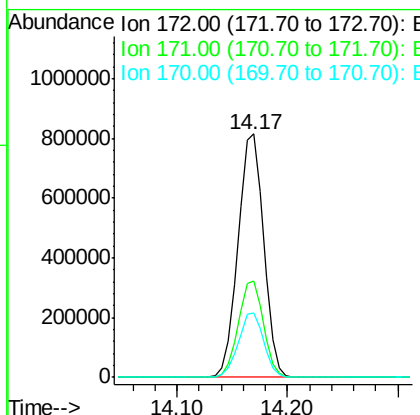
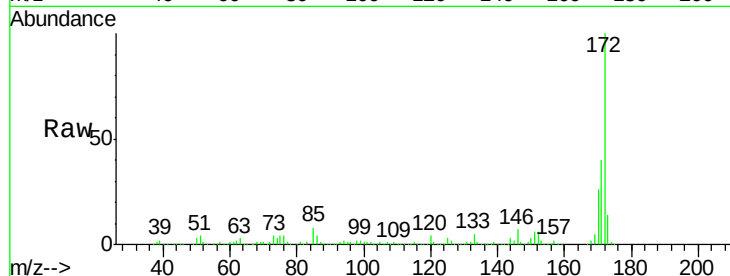




#44
2-Fluorobiphenyl
Concen: 105.93 ng
RT: 14.17 min Scan# 1852
Delta R.T. -0.00 min
Lab File: BG032862.D
Acq: 27 Feb 2018 19:48

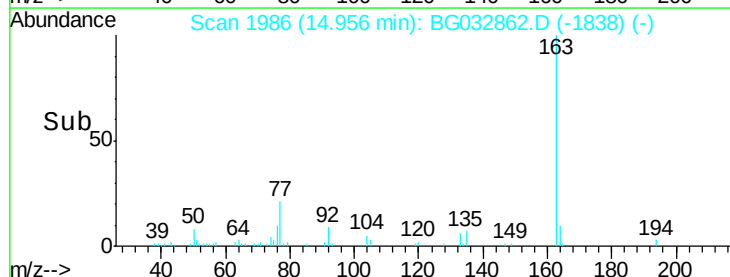
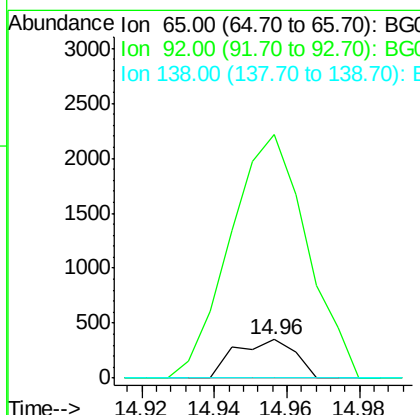
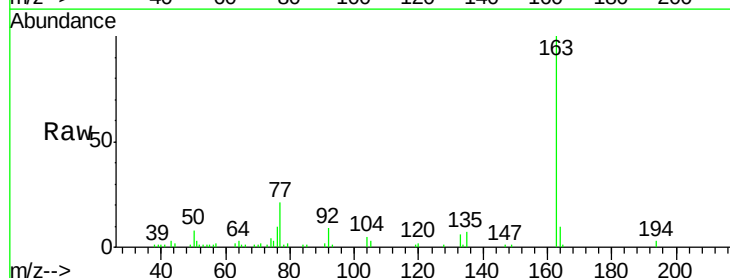
Instrument :
BNA_G
ClientSampled :

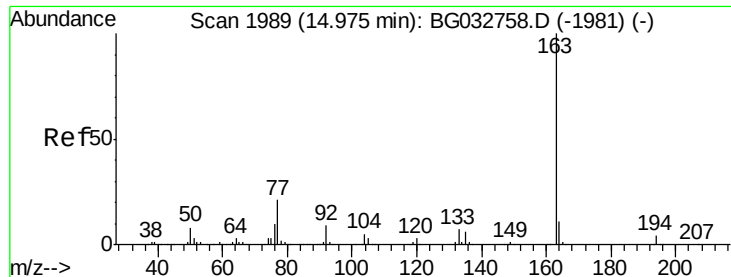
Tot Ion:172 Resp: 1333676
Ion Ratio Lower Upper
172 100
171 39.6 30.0 45.0
170 26.3 19.5 29.3



#47
2-Nitroaniline
Concen: 9.94 ng
RT: 14.96 min Scan# 1986
Delta R.T. 0.34 min
Lab File: BG032862.D
Acq: 27 Feb 2018 19:48

Tgt Ion: 65 Resp: 400
Ion Ratio Lower Upper
65 100
92 629.3 54.6 82.0#
138 0.0 72.9 109.3#





#49

Dimethylphthalate

Concen: 2.38 ng

RT: 14.96 min Scan# 1986

Delta R.T. -0.01 min

Lab File: BG032862.D

Acq: 27 Feb 2018 19:48

Instrument :

BNA_G

ClientSampleId :

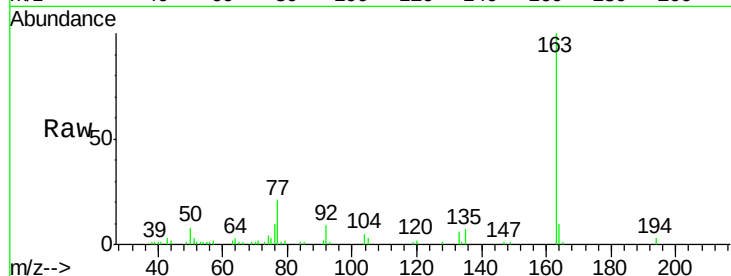
Tot Ion:163 Resp: 36684

Ion Ratio Lower Upper

163 100

194 3.2 3.4 5.2#

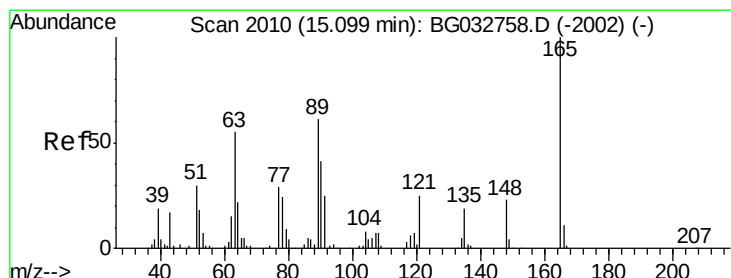
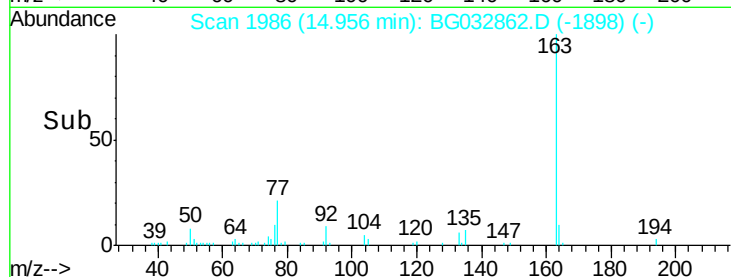
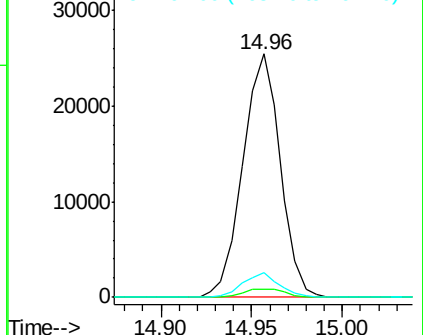
164 9.9 8.2 12.4



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: 16.37 ng

RT: 15.53 min Scan# 2084

Delta R.T. 0.44 min

Lab File: BG032862.D

Acq: 27 Feb 2018 19:48

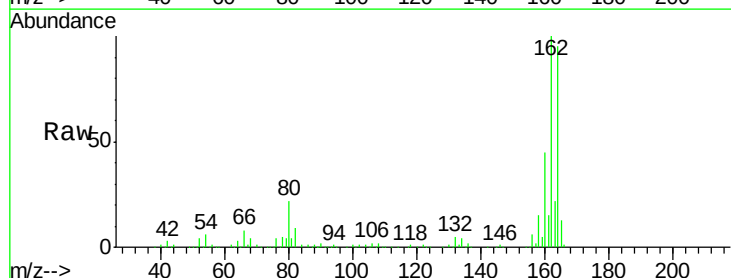
Tgt Ion:165 Resp: 23418

Ion Ratio Lower Upper

165 100

63 1.6 52.7 79.1#

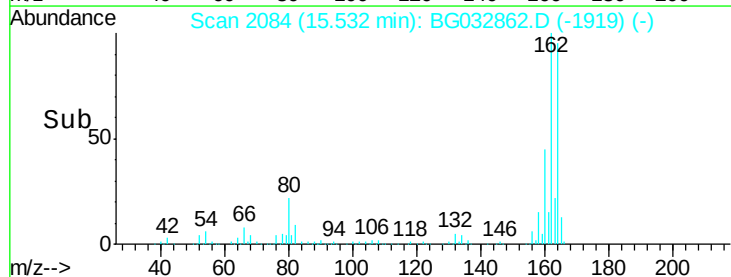
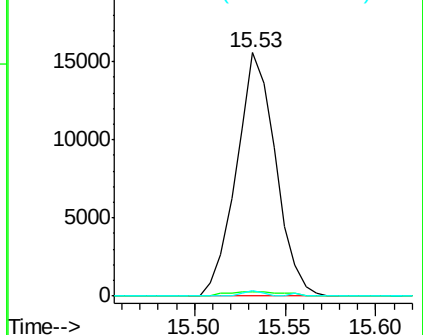
89 2.4 49.2 73.8#

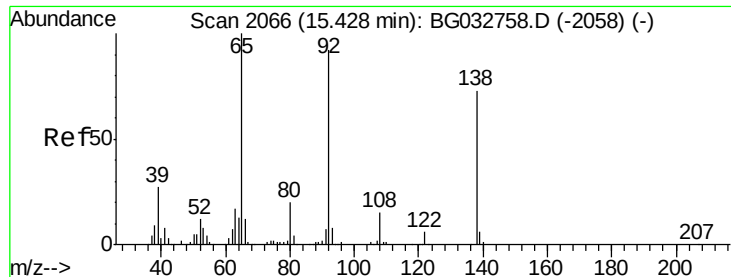


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

Ion 89.00 (88.70 to 89.70): BGC





#52

3-Nitroaniline

Concen: 7.58 ng

RT: 15.71 min Scan# 2114

Delta R.T. 0.28 min

Lab File: BG032862.D

Acq: 27 Feb 2018 19:48

Instrument :

BNA_G

ClientSampled :

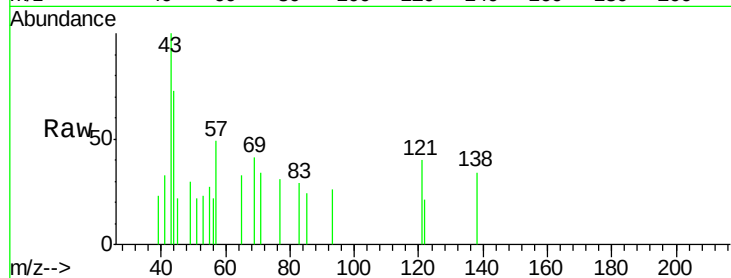
Tot Ion:138 Resp: 140

Ion Ratio Lower Upper

138 100

108 0.0 17.5 26.3#

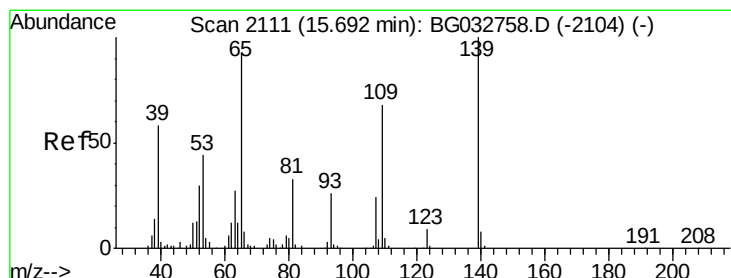
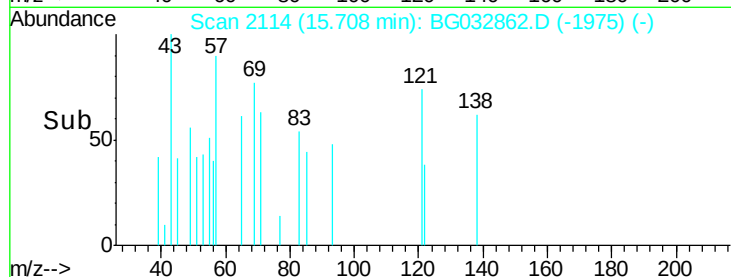
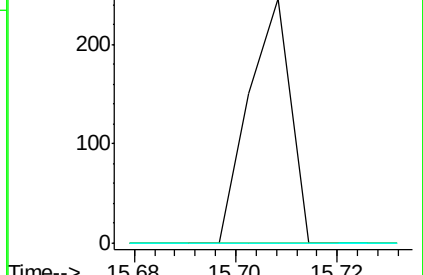
92 0.0 105.8 158.8#



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): BGC



#55

4-Nitrophenol

Concen: 7.10 ng

RT: 15.75 min Scan# 2121

Delta R.T. 0.06 min

Lab File: BG032862.D

Acq: 27 Feb 2018 19:48

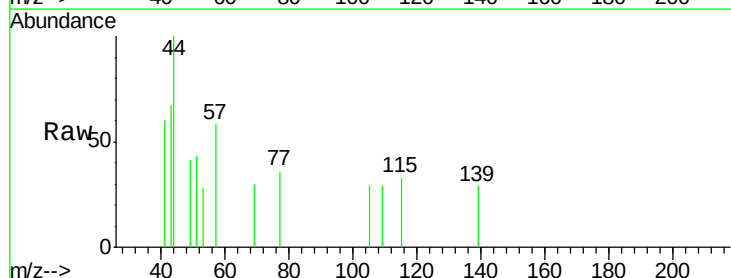
Tgt Ion:139 Resp: 58

Ion Ratio Lower Upper

139 100

109 101.2 62.2 102.2

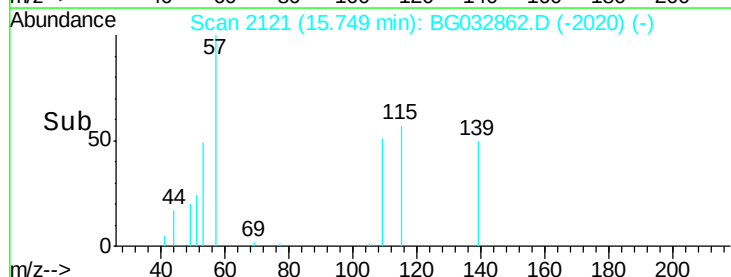
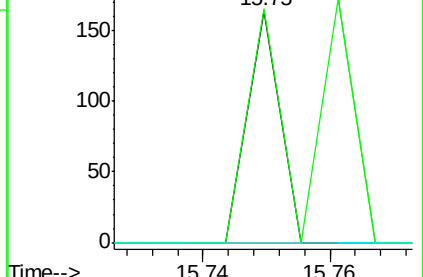
65 0.0 97.2 137.2#

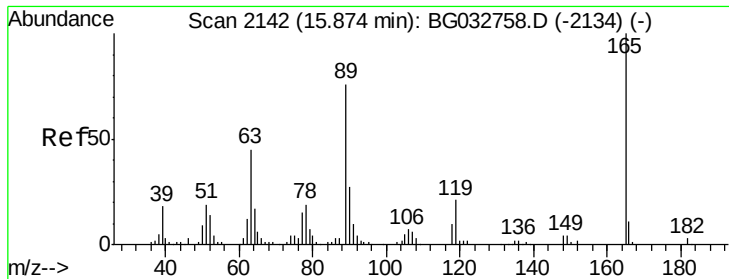


Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BGC

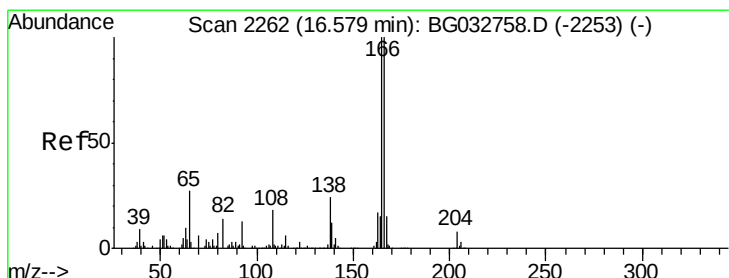
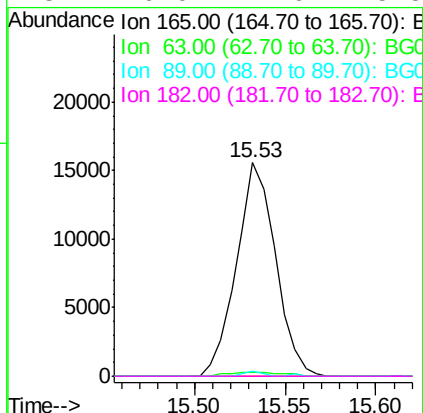
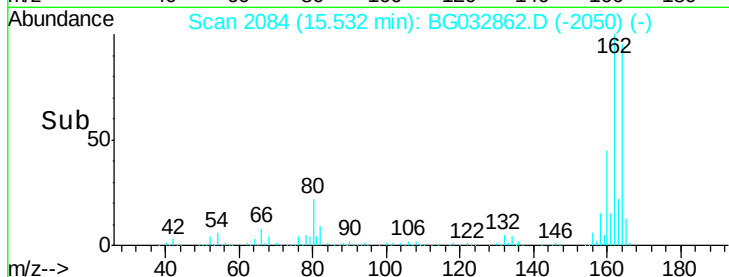
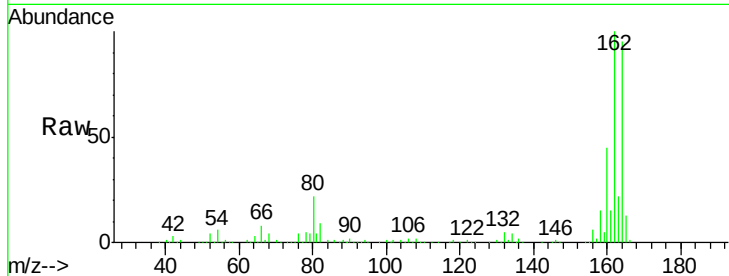




#56
 2,4-Dinitrotoluene
 Concen: 14.57 ng
 RT: 15.53 min Scan# 2084
 Delta R.T. -0.33 min
 Lab File: BG032862.D
 Acq: 27 Feb 2018 19:48

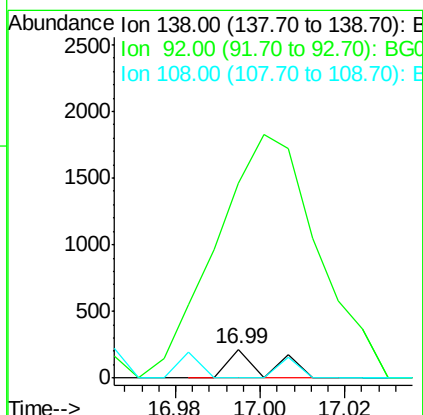
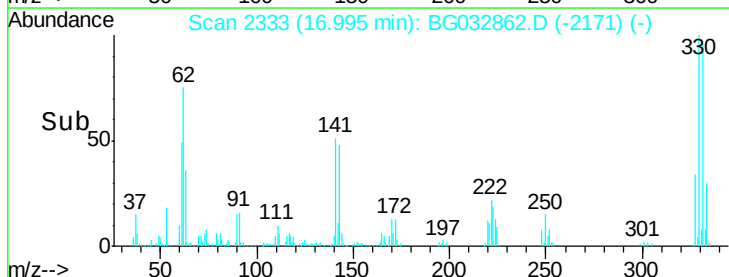
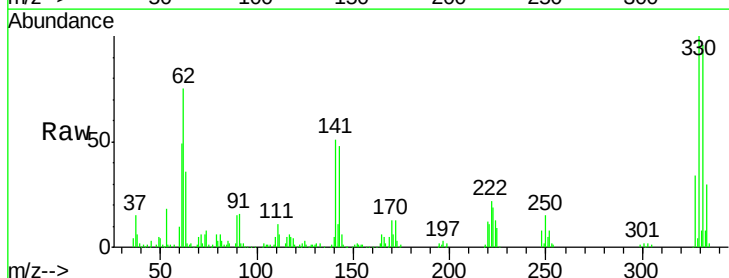
Instrument :
 BNA_G
 ClientSampleId :

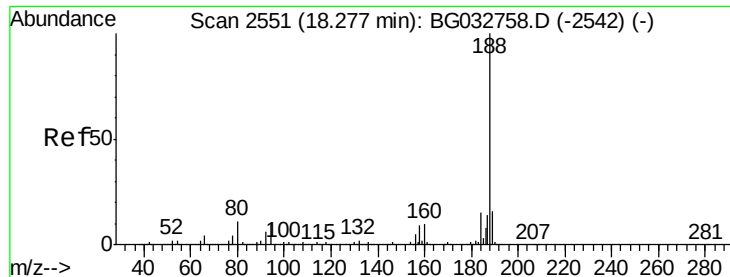
Tot Ion:165	Resp:	23418
Ion Ratio	Lower	Upper
165	100	
63	1.6	42.0 63.0#
89	2.4	66.9 100.3#
182	0.0	2.6 3.8#



#61
 4-Nitroaniline
 Concen: 5.34 ng
 RT: 16.99 min Scan# 2333
 Delta R.T. 0.42 min
 Lab File: BG032862.D
 Acq: 27 Feb 2018 19:48

Tgt Ion:138	Resp:	140
Ion Ratio	Lower	Upper
138	100	
92	675.1	40.1 80.1#
108	0.0	65.4 105.4#

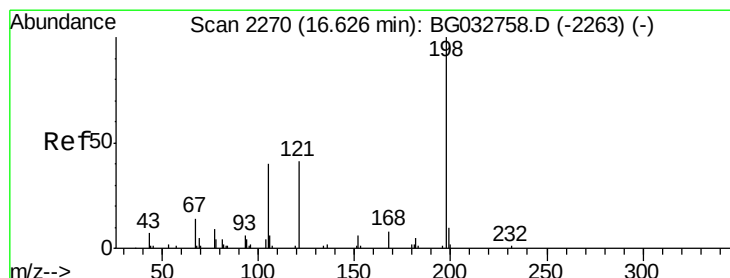
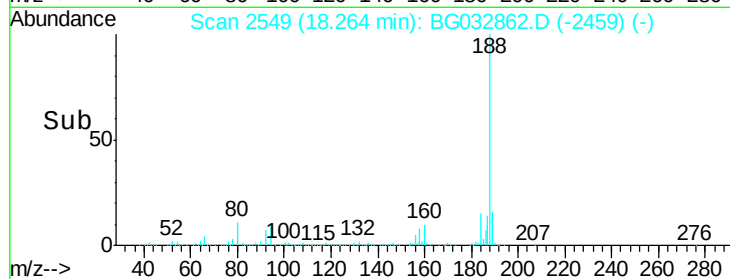
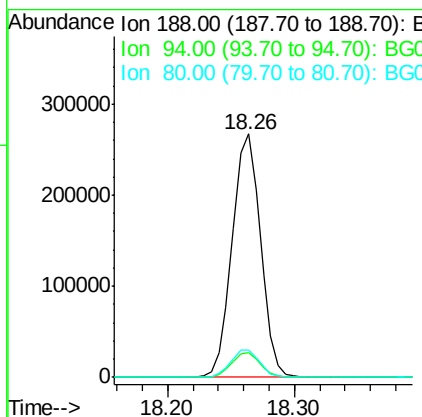
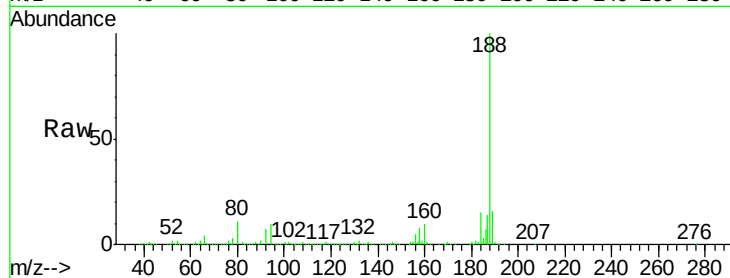




#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 18.26 min Scan# 2549
 Delta R.T. -0.00 min
 Lab File: BG032862.D
 Acq: 27 Feb 2018 19:48

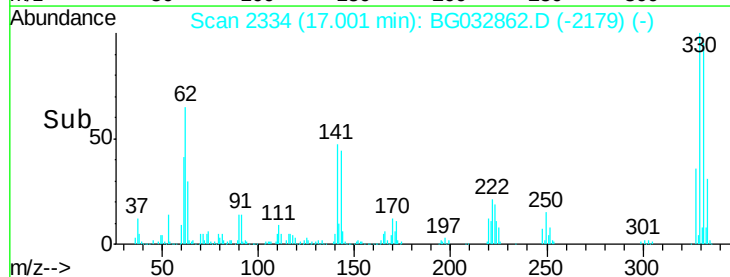
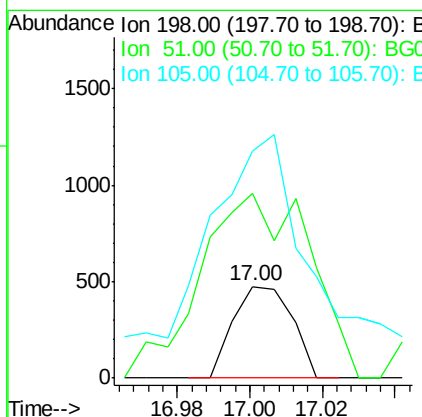
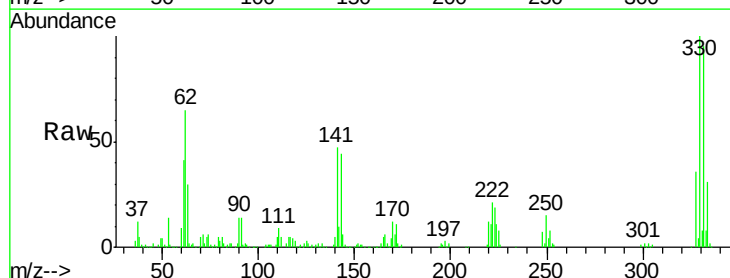
Instrument :
 BNA_G
 ClientSampleId :

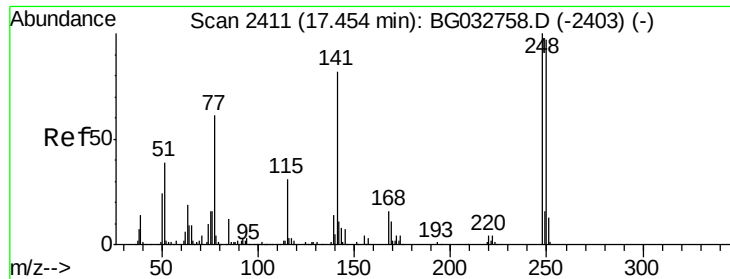
Tot Ion:188 Resp: 412929
 Ion Ratio Lower Upper
 188 100
 94 10.1 6.9 10.3
 80 11.3 7.7 11.5



#64
 4,6-Dinitro-2-methylphenol
 Concen: 5.50 ng
 RT: 17.00 min Scan# 2334
 Delta R.T. 0.38 min
 Lab File: BG032862.D
 Acq: 27 Feb 2018 19:48

Tgt Ion:198 Resp: 535
 Ion Ratio Lower Upper
 198 100
 51 201.5 30.6 70.6#
 105 247.6 23.8 63.8#

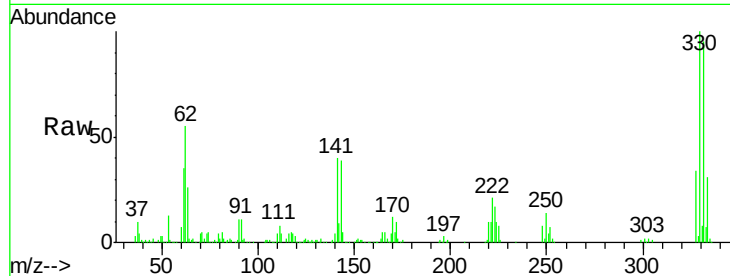




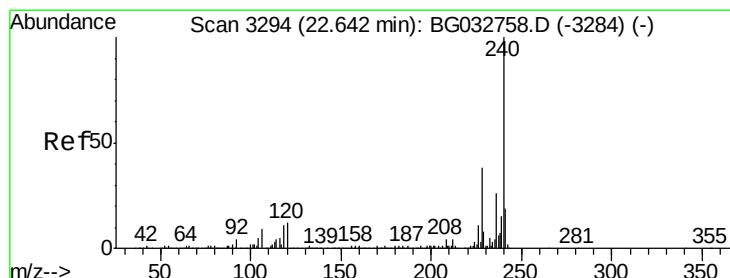
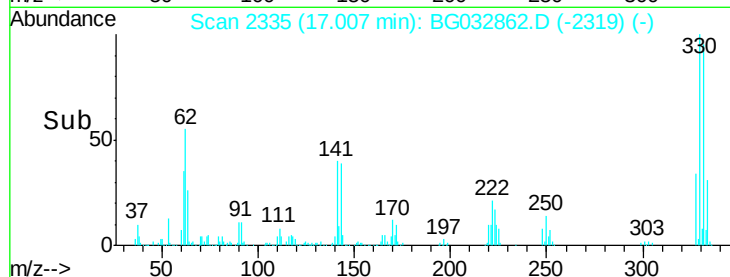
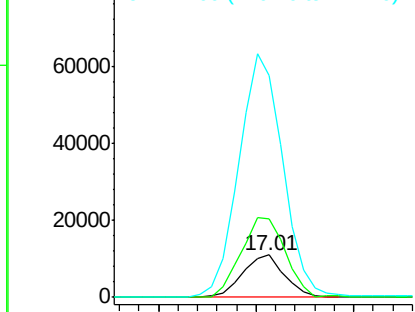
#66
 4-Bromophenyl-phenylether
 Concen: 3.75 ng
 RT: 17.01 min Scan# 2335
 Delta R.T. -0.44 min
 Lab File: BG032862.D
 Acq: 27 Feb 2018 19:48

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:248 Resp: 16352
 Ion Ratio Lower Upper
 248 100
 250 184.7 77.1 115.7#
 141 521.8 50.8 76.2#

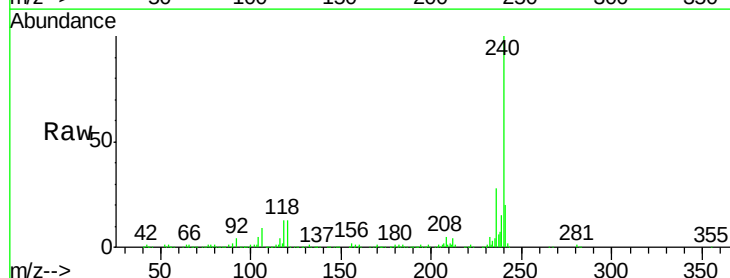


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

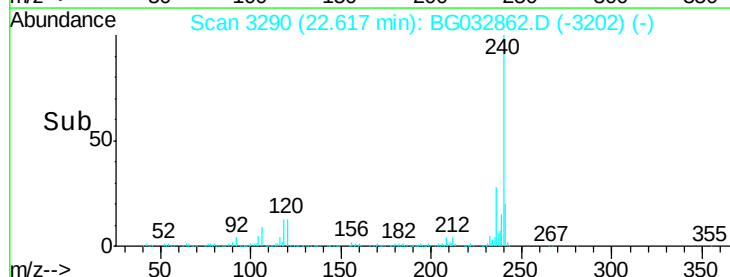
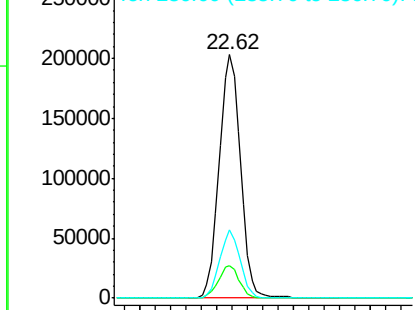


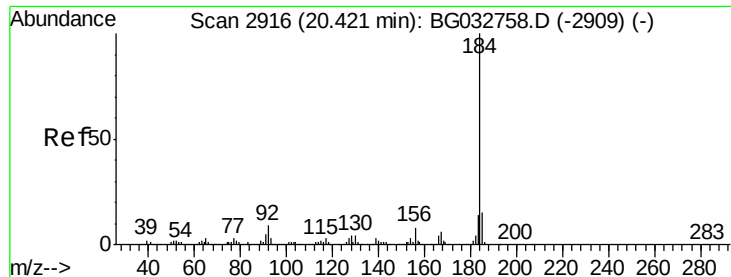
#75
 Chrysene-d12
 Concen: 20.00 ng
 RT: 22.62 min Scan# 3290
 Delta R.T. -0.01 min
 Lab File: BG032862.D
 Acq: 27 Feb 2018 19:48

Tgt Ion:240 Resp: 389671
 Ion Ratio Lower Upper
 240 100
 120 13.1 6.8 10.2#
 236 27.8 20.9 31.3



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

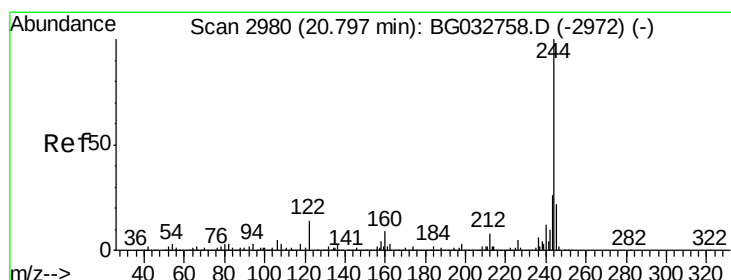
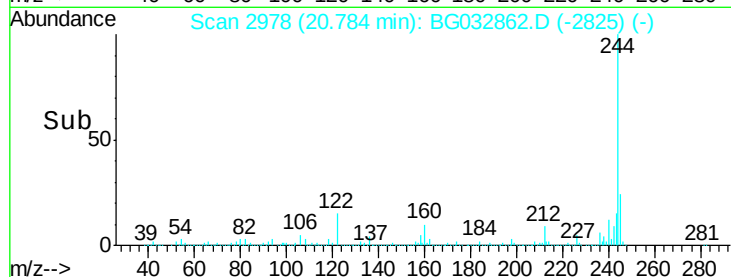
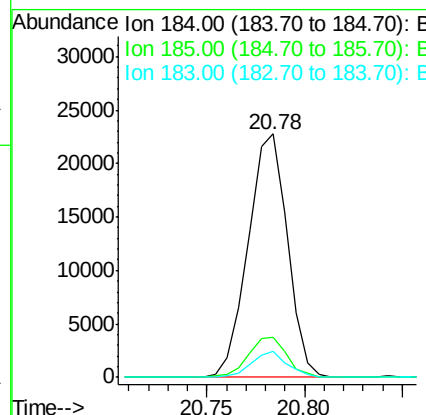
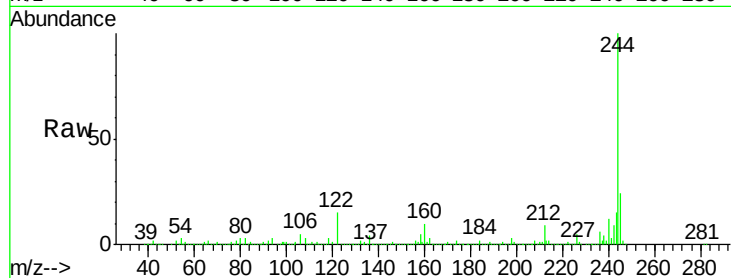




#76
Benzidine
Concen: 2.38 ng
RT: 20.78 min Scan# 2978
Delta R.T. 0.37 min
Lab File: BG032862.D
Acq: 27 Feb 2018 19:48

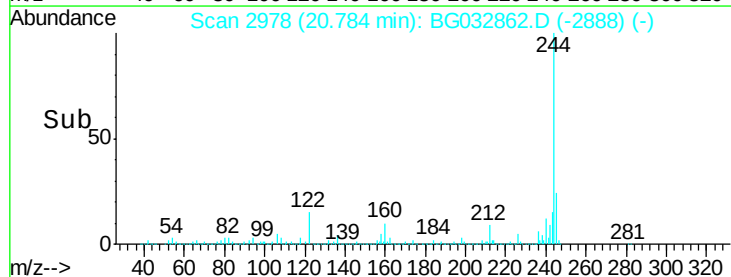
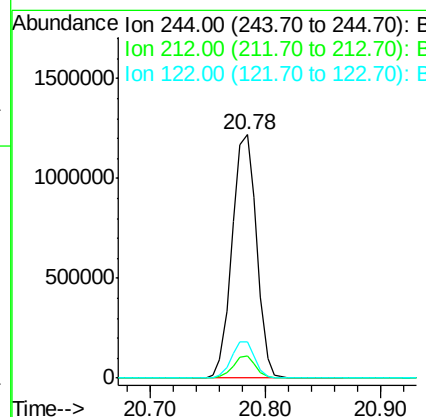
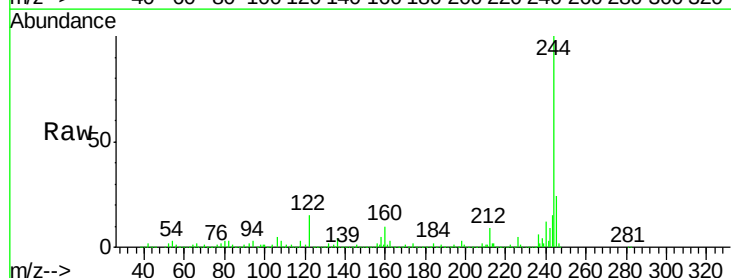
Instrument :
BNA_G
ClientSampleId :

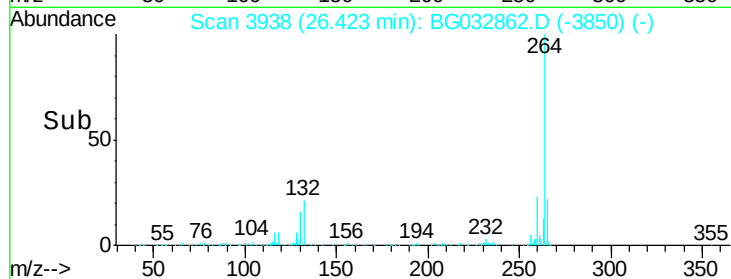
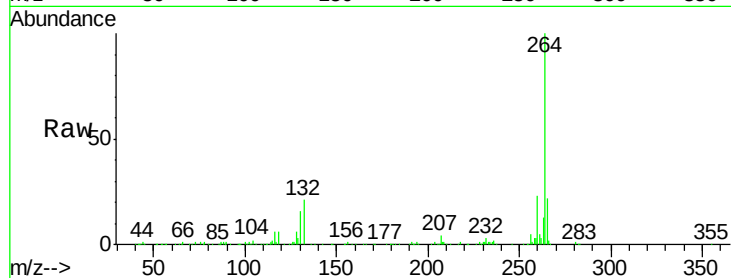
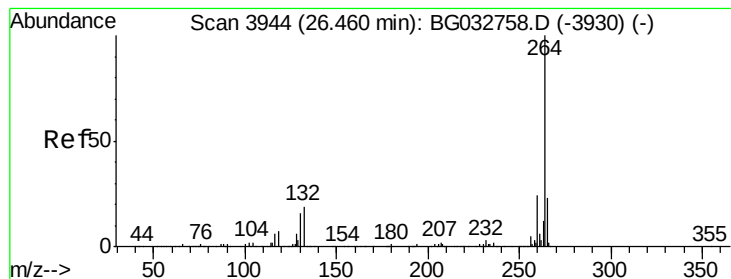
Tot Ion:184 Resp: 31656
Ion Ratio Lower Upper
184 100
185 16.4 11.1 16.7
183 10.9 10.6 16.0



#78
Terphenyl-d14
Concen: 102.95 ng
RT: 20.78 min Scan# 2978
Delta R.T. -0.00 min
Lab File: BG032862.D
Acq: 27 Feb 2018 19:48

Tgt Ion:244 Resp: 1785579
Ion Ratio Lower Upper
244 100
212 9.0 5.8 8.8#
122 14.9 7.0 10.4#





#86

Pervlene-d12

Concen: 20.00 ng

RT: 26.42 min Scan# 3938

Delta R.T. -0.01 min

Lab File: BG032862.D

Acq: 27 Feb 2018 19:48

Instrument :

BNA_G

ClientSampleId :

Tot Ion:264 Resp: 408268

Ion Ratio Lower Upper

264 100

260 22.6 17.4 26.0

265 22.2 17.7 26.5

