

Data Path : Z:\HPCHEM1\BNA G\DATA\BG022718\
 Data File : BG032880.D
 Acq On : 28 Feb 2018 7:47
 Operator : SJ/JU
 Sample : J1698-08
 Misc :
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Feb 28 09:42:18 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

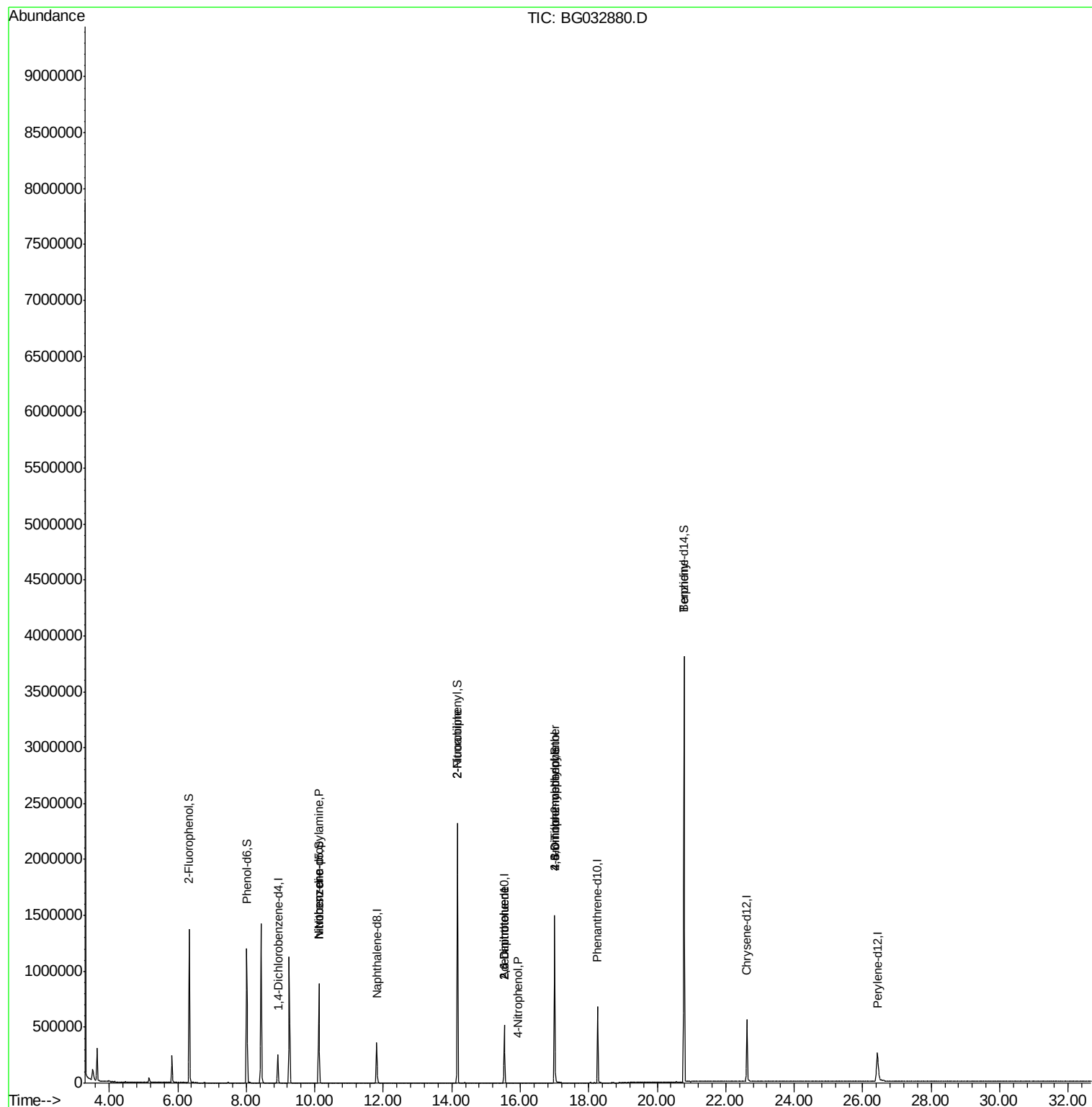
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.92	152	77004	20.00	ng	0.00
21) Naphthalene-d8	11.81	136	327923	20.00	ng	0.00
38) Acenaphthene-d10	15.54	164	179316	20.00	ng	0.00
63) Phenanthrene-d10	18.26	188	393297	20.00	ng	0.00
75) Chrysene-d12	22.62	240	358882	20.00	ng	-0.01
86) Perylene-d12	26.43	264	349943	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	6.34	112	649755	134.99	ng	0.00
7) Phenol-d6	8.02	99	778376	116.02	ng	0.00
23) Nitrobenzene-d5	10.12	82	551856	113.08	ng	0.00
41) 2,4,6-Tribromophenol	17.00	330	262064	138.99	ng	0.00
44) 2-Fluorobiphenyl	14.17	172	1205890	96.99	ng	0.00
78) Terphenyl-d14	20.78	244	1636027	102.42	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	10.12	70	71233	15.040	ng	# 84
24) Nitrobenzene	10.11	77	1786	6.676	ng	# 45
47) 2-Nitroaniline	14.17	65	2397	10.481	ng	# 19
50) 2,6-Dinitrotoluene	15.54	165	23263	16.418	ng	# 20
55) 4-Nitrophenol	15.93	139	59	7.102	ng	# 1
56) 2,4-Dinitrotoluene	15.54	165	23263	14.616	ng	# 18
64) 4,6-Dinitro-2-methylphenol	17.00	198	389	5.369	ng	# 1
66) 4-Bromophenyl-phenylether	17.00	248	19113	4.596	ng	# 1
76) Benzidine	20.78	184	28185	2.304	ng	# 93

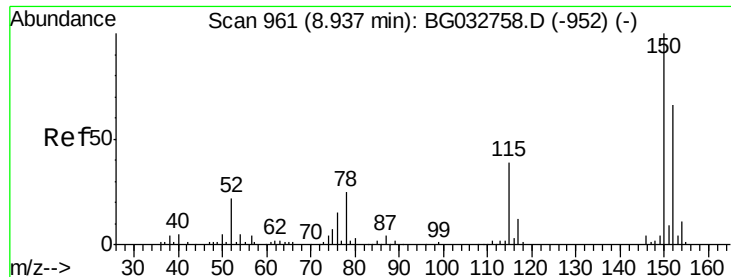
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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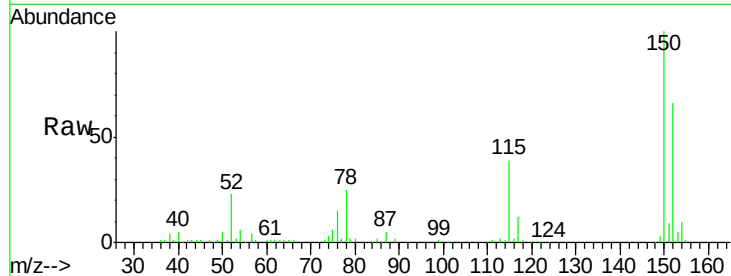


#1

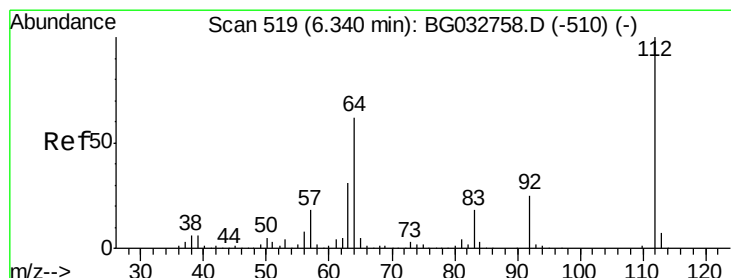
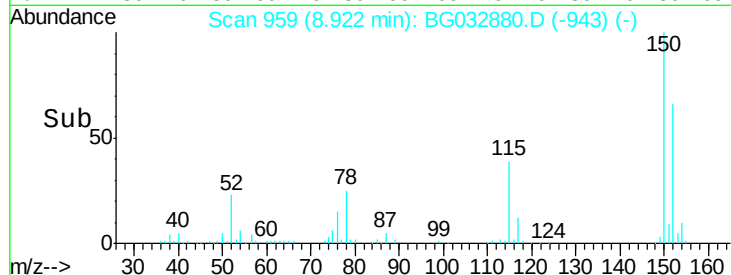
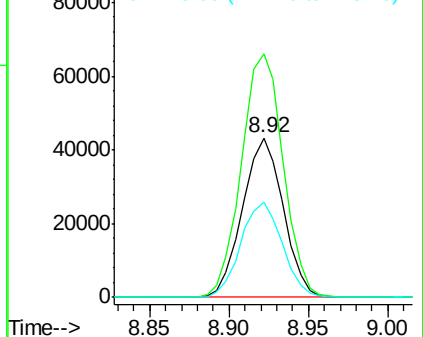
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.92 min Scan# 959
Delta R.T. -0.01 min
Lab File: BG032880.D
Acq: 28 Feb 2018 7:47

Instrument :
BNA_G
ClientSampled :

Tot Ion:152 Resp: 77004
Ion Ratio Lower Upper
152 100
150 152.7 126.6 189.8
115 59.6 53.0 79.4



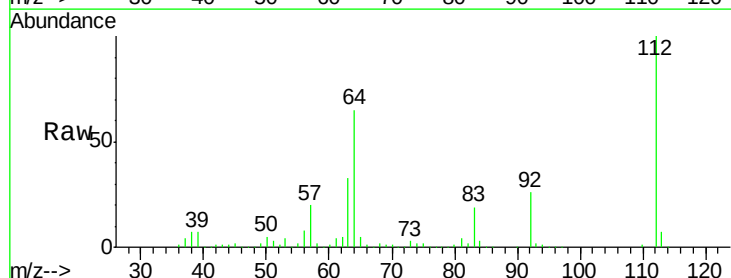
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



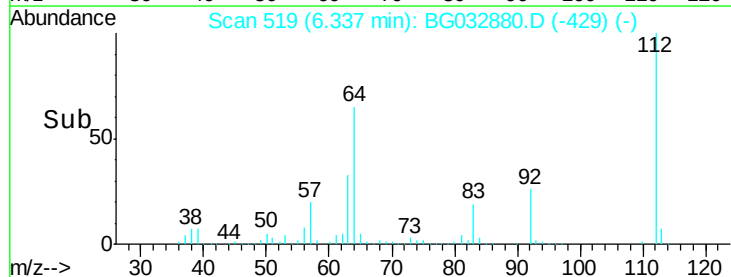
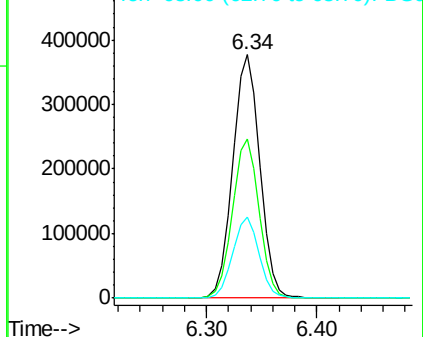
#5

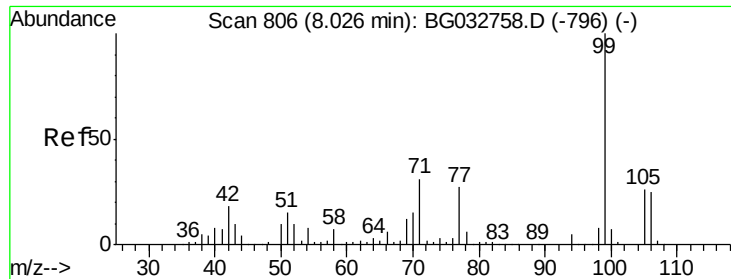
2-Fluorophenol
Concen: 134.995 ng
RT: 6.34 min Scan# 519
Delta R.T. 0.00 min
Lab File: BG032880.D
Acq: 28 Feb 2018 7:47

Tgt Ion:112 Resp: 649755
Ion Ratio Lower Upper
112 100
64 65.3 56.3 84.5
63 33.1 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: 116.021 ng

RT: 8.02 min Scan# 805

Delta R.T. 0.00 min

Lab File: BG032880.D

Acq: 28 Feb 2018 7:47

Instrument :
BNA_G
ClientSampled :

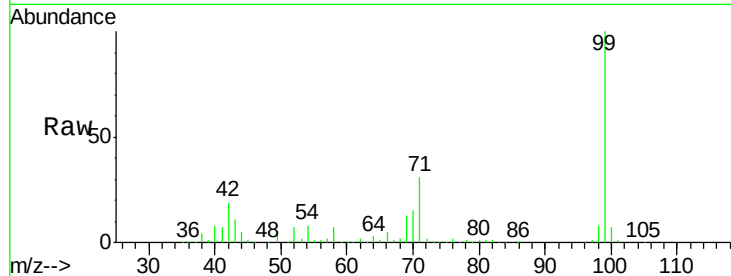
Tot Ion: 99 Resp: 778376

Ion Ratio Lower Upper

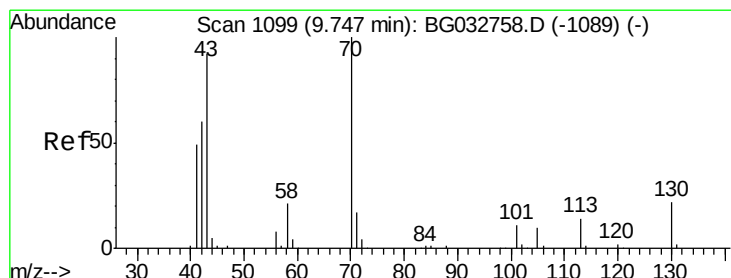
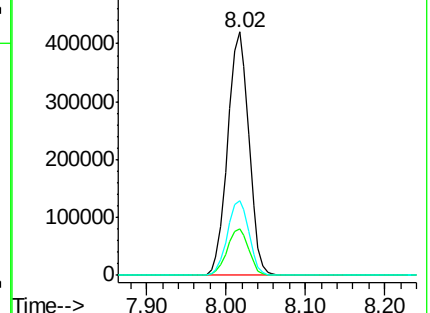
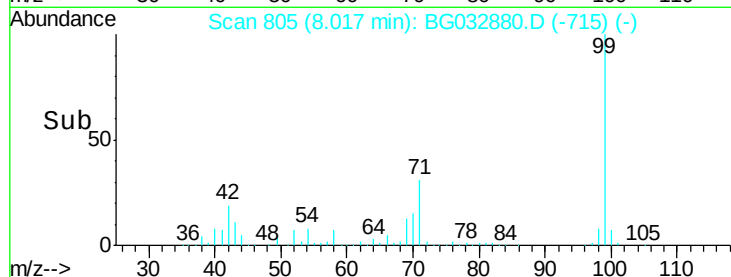
99 100

42 19.3 14.1 21.1

71 30.6 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: 15.040 ng

RT: 10.12 min Scan# 1163

Delta R.T. 0.38 min

Lab File: BG032880.D

Acq: 28 Feb 2018 7:47

Tgt Ion: 70 Resp: 71233

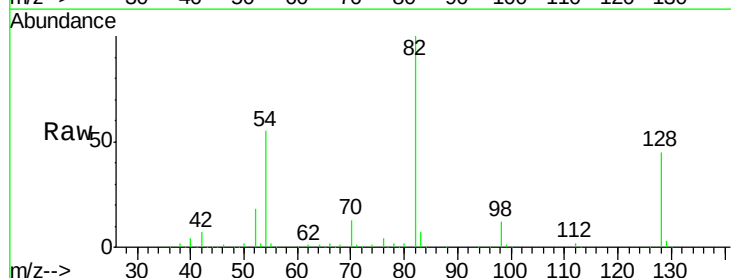
Ion Ratio Lower Upper

70 100

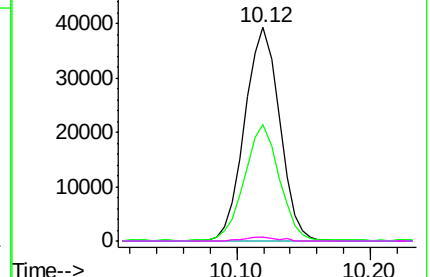
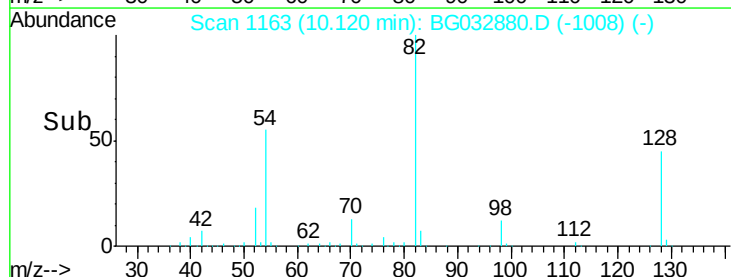
42 54.6 49.1 73.7

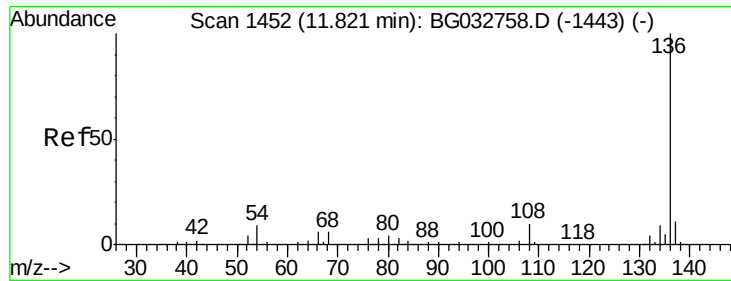
101 0.0 8.5 12.7#

130 2.0 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

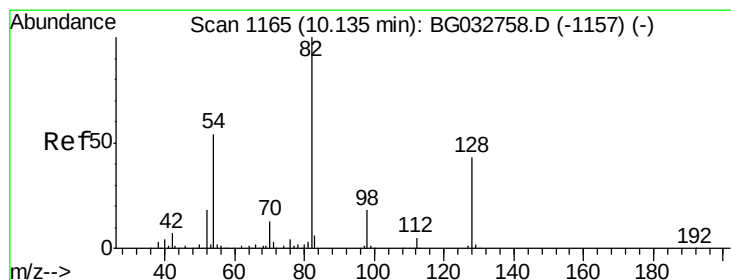
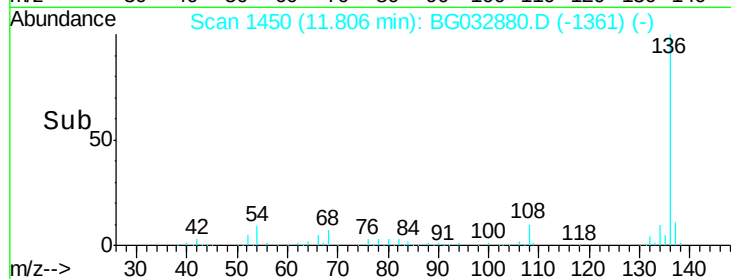
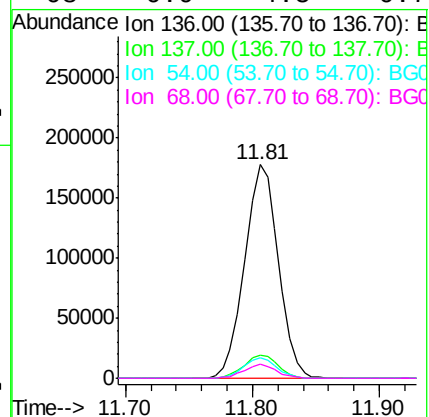
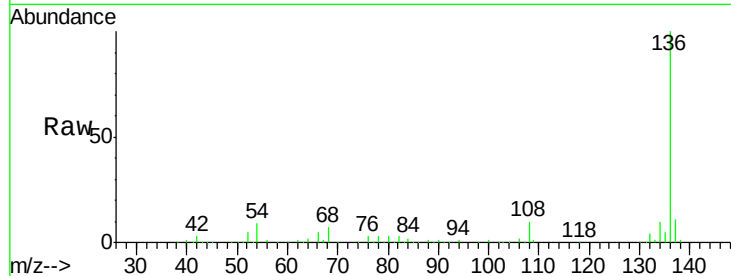




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.81 min Scan# 1450
Delta R.T. -0.01 min
Lab File: BG032880.D
Acq: 28 Feb 2018 7:47

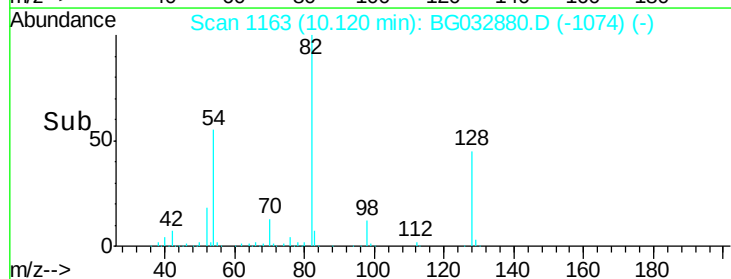
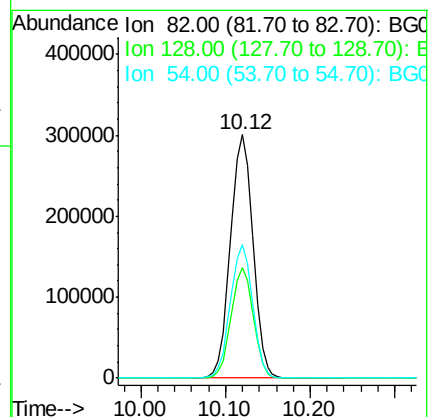
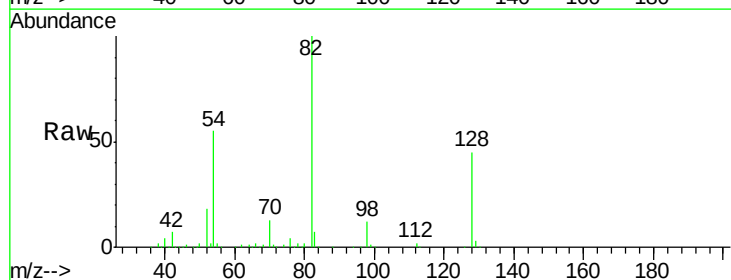
Instrument :
BNA_G
ClientSampleId :

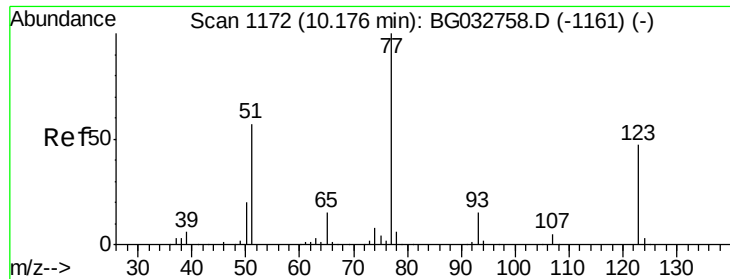
Tot Ion:136	Resp:	327923
Ion Ratio	Lower	Upper
136	100	
137	10.9	9.2 13.8
54	9.5	10.3 15.5#
68	6.9	4.5 6.7#



#23
Nitrobenzene-d5
Concen: 113.077 ng
RT: 10.12 min Scan# 1163
Delta R.T. -0.01 min
Lab File: BG032880.D
Acq: 28 Feb 2018 7:47

Tgt Ion: 82	Resp:	551856
Ion Ratio	Lower	Upper
82	100	
128	45.2	29.7 44.5#
54	54.9	43.1 64.7

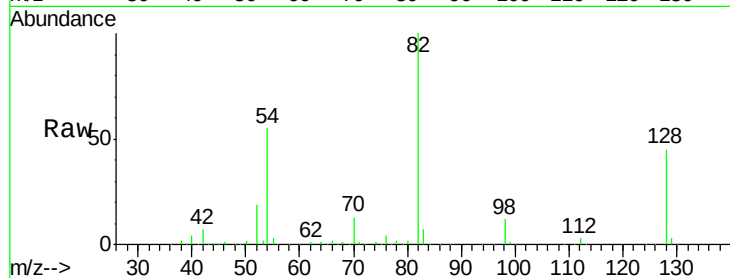




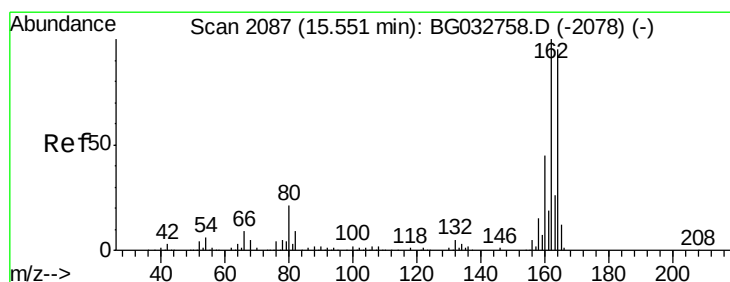
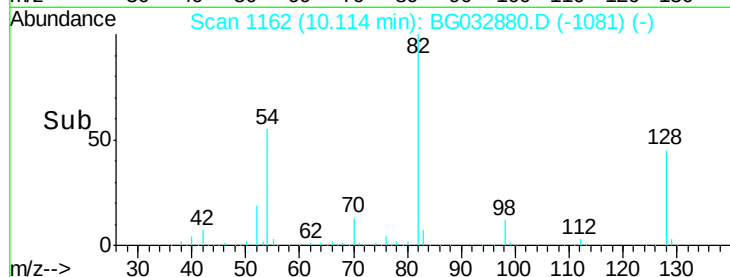
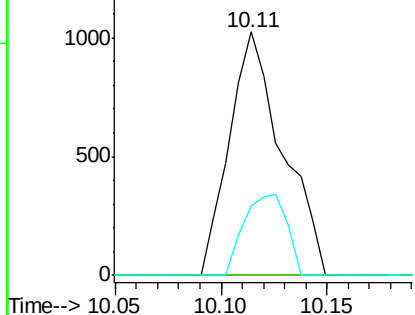
#24
 Nitrobenzene
 Concen: 6.676 ng
 RT: 10.11 min Scan# 1162
 Delta R.T. -0.05 min
 Lab File: BG032880.D
 Acq: 28 Feb 2018 7:47

Instrument :
 BNA_G
 ClientSampled :

Tot Ion: 77 Resp: 1786
 Ion Ratio Lower Upper
 77 100
 123 0.0 33.0 49.6#
 65 28.4 13.0 19.6#

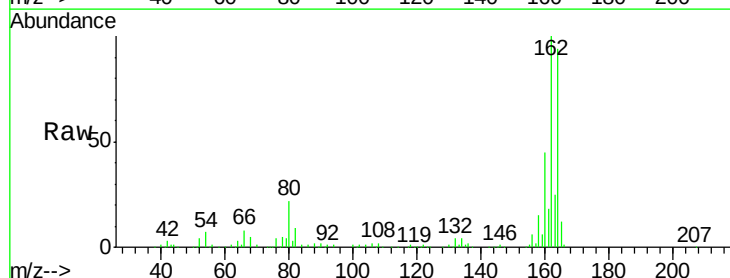


Abundance Ion 77.00 (76.70 to 77.70): BG
 Ion 123.00 (122.70 to 123.70): B
 Ion 65.00 (64.70 to 65.70): BG

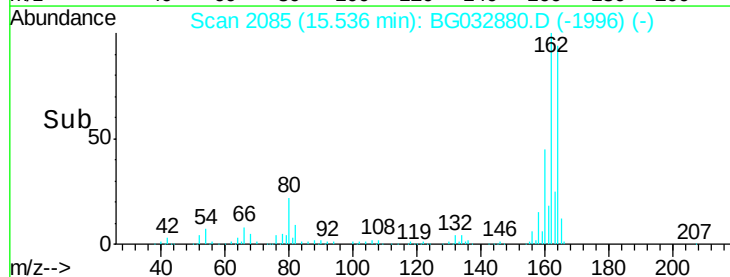
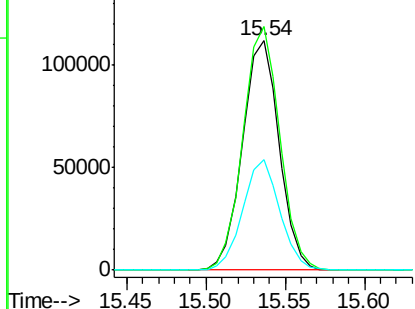


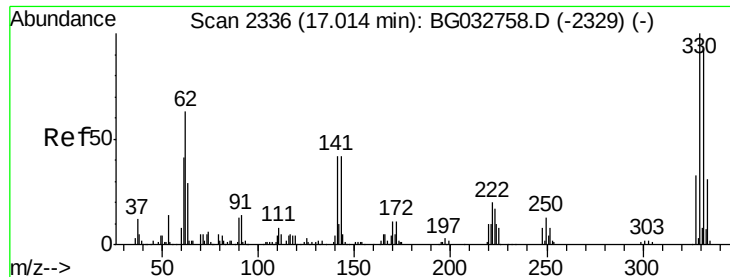
#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 15.54 min Scan# 2085
 Delta R.T. -0.01 min
 Lab File: BG032880.D
 Acq: 28 Feb 2018 7:47

Tgt Ion:164 Resp: 179316
 Ion Ratio Lower Upper
 164 100
 162 106.3 78.8 118.2
 160 48.3 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

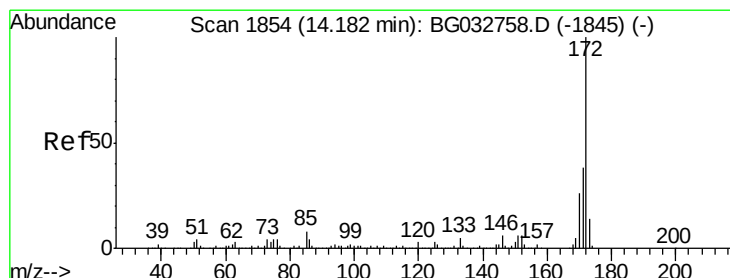
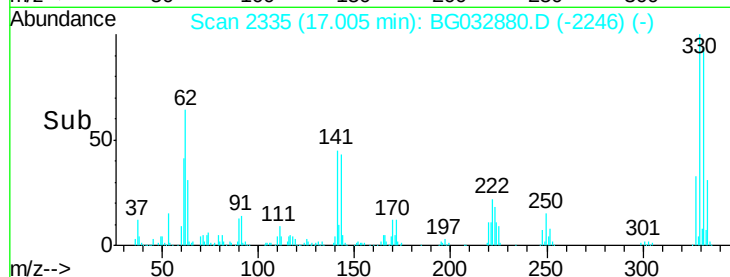
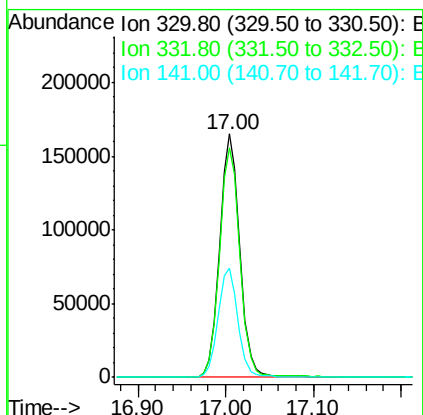
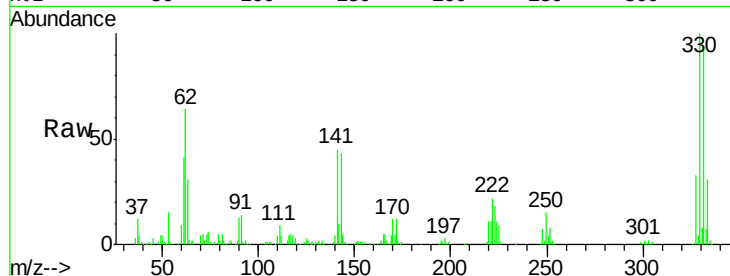




#41
 2,4,6-Tribromophenol
 Concen: 138.993 ng
 RT: 17.00 min Scan# 2335
 Delta R.T. -0.01 min
 Lab File: BG032880.D
 Acq: 28 Feb 2018 7:47

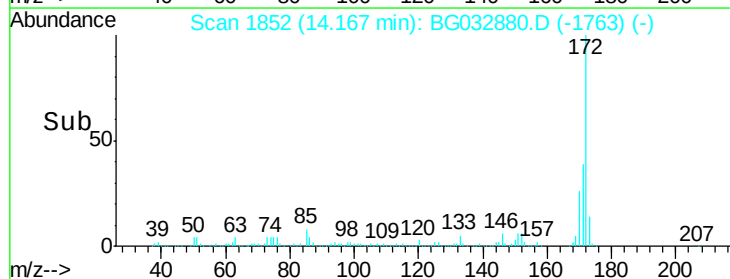
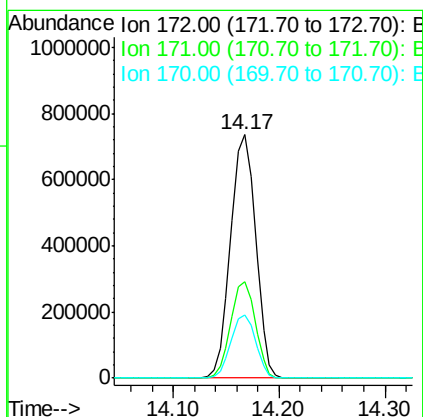
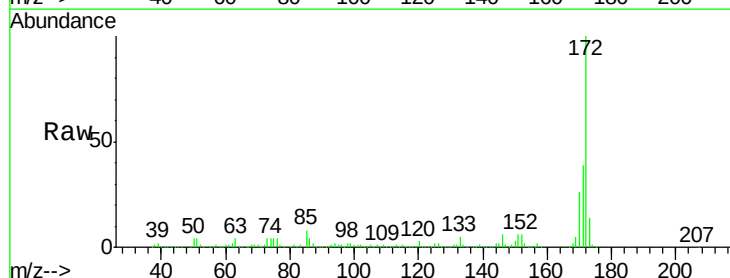
Instrument :
 BNA_G
 ClientSampleId :

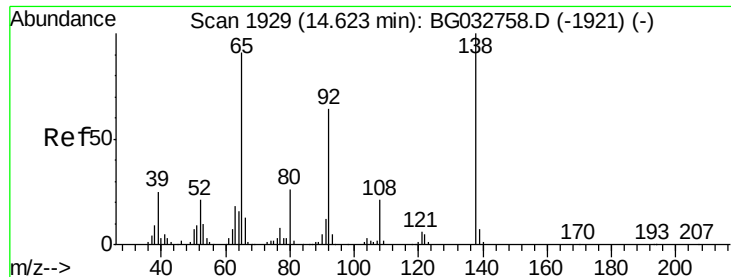
Tot Ion:330 Resp: 262064
 Ion Ratio Lower Upper
 330 100
 332 95.8 77.0 115.6
 141 44.5 25.2 37.8#



#44
 2-Fluorobiphenyl
 Concen: 96.991 ng
 RT: 14.17 min Scan# 1852
 Delta R.T. -0.01 min
 Lab File: BG032880.D
 Acq: 28 Feb 2018 7:47

Tgt Ion:172 Resp: 1205890
 Ion Ratio Lower Upper
 172 100
 171 39.5 30.0 45.0
 170 25.8 19.5 29.3





#47

2-Nitroaniline

Concen: 10.481 ng

RT: 14.17 min Scan# 1852

Delta R.T. -0.45 min

Lab File: BG032880.D

Acq: 28 Feb 2018 7:47

Instrument :

BNA_G

ClientSampleId :

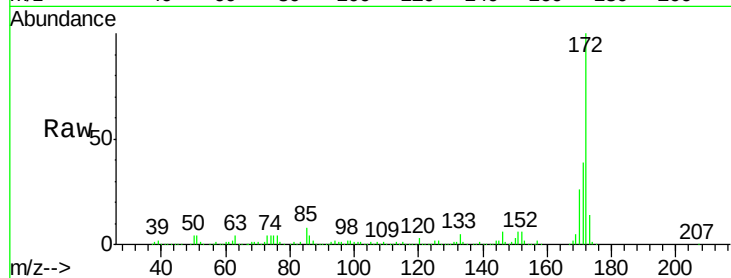
Tot Ion: 65 Resp: 2397

Ion Ratio Lower Upper

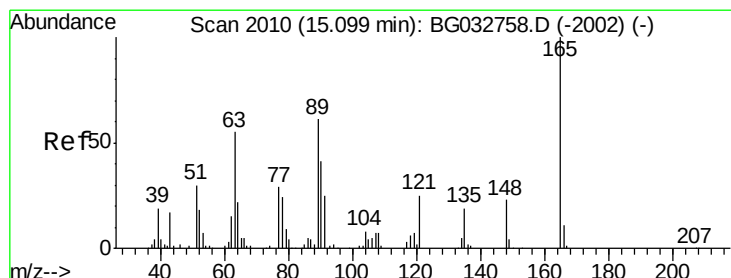
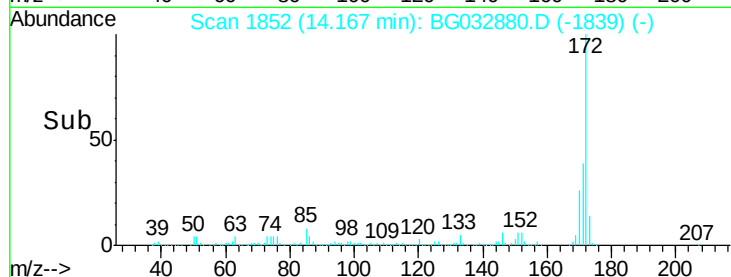
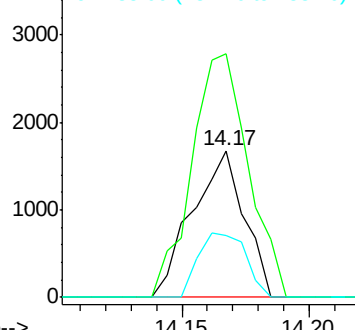
65 100

92 166.3 54.6 82.0#

138 42.7 72.9 109.3#



Abundance Ion 65.00 (64.70 to 65.70): BGC
Ion 92.00 (91.70 to 92.70): BGC
Ion 138.00 (137.70 to 138.70): BGC



#50

2,6-Dinitrotoluene

Concen: 16.418 ng

RT: 15.54 min Scan# 2085

Delta R.T. 0.44 min

Lab File: BG032880.D

Acq: 28 Feb 2018 7:47

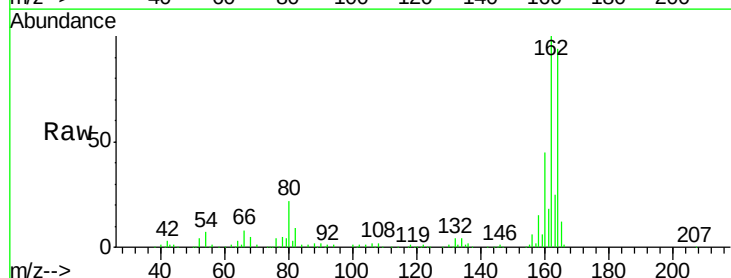
Tgt Ion: 165 Resp: 23263

Ion Ratio Lower Upper

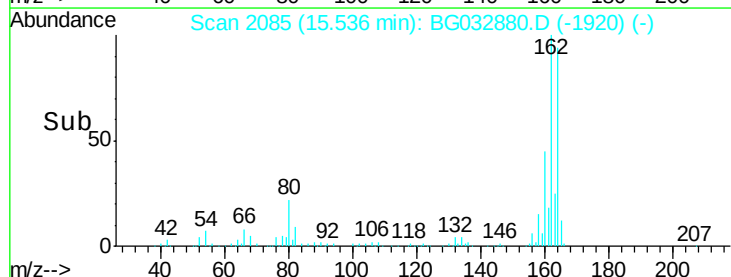
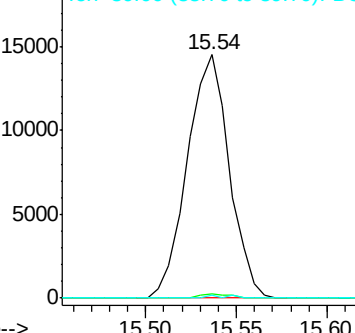
165 100

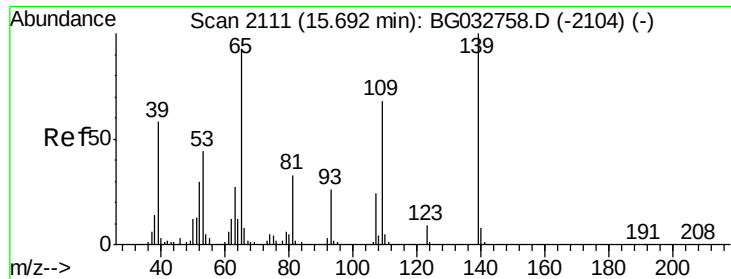
63 1.9 52.7 79.1#

89 1.0 49.2 73.8#



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





#55

4-Nitrophenol

Concen: 7.102 ng

RT: 15.93 min Scan# 2152

Delta R.T. 0.24 min

Lab File: BG032880.D

Acq: 28 Feb 2018 7:47

Instrument :

BNA_G

ClientSampled :

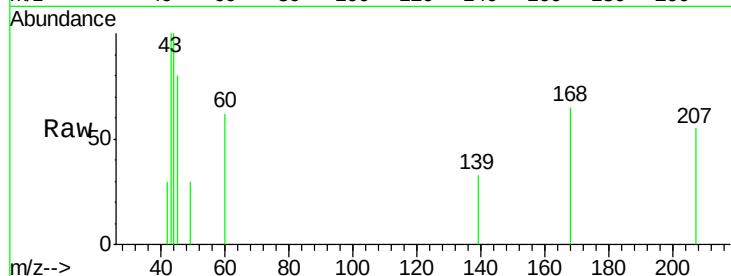
Tot Ion:139 Resp: 59

Ion Ratio Lower Upper

139 100

109 0.0 62.2 102.2#

65 0.0 97.2 137.2#



Abundance Ion 139.00 (138.70 to 139.70): E

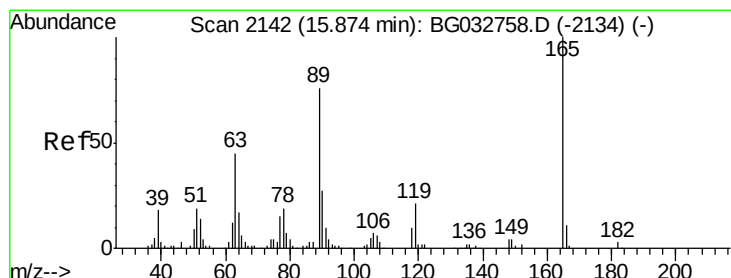
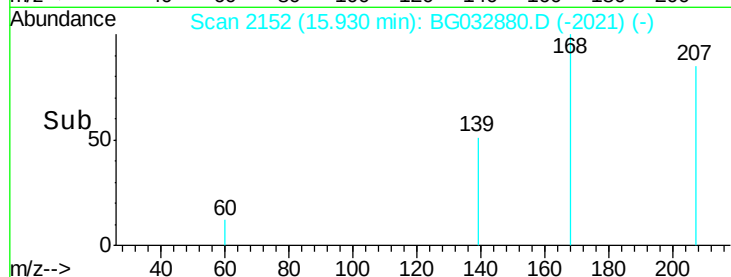
Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): B

15.93

15.92 15.94

Time-->



#56

2,4-Dinitrotoluene

Concen: 14.616 ng

RT: 15.54 min Scan# 2085

Delta R.T. -0.33 min

Lab File: BG032880.D

Acq: 28 Feb 2018 7:47

Tgt Ion:165 Resp: 23263

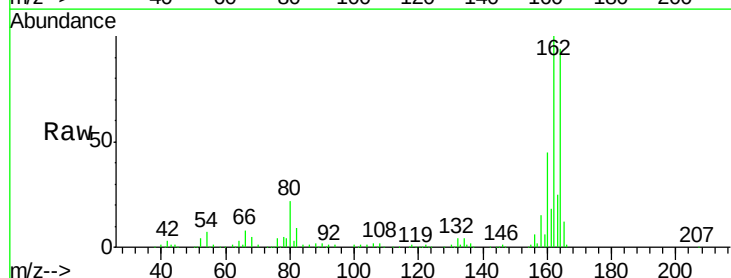
Ion Ratio Lower Upper

165 100

63 1.9 42.0 63.0#

89 1.0 66.9 100.3#

182 0.0 2.6 3.8#



Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): B

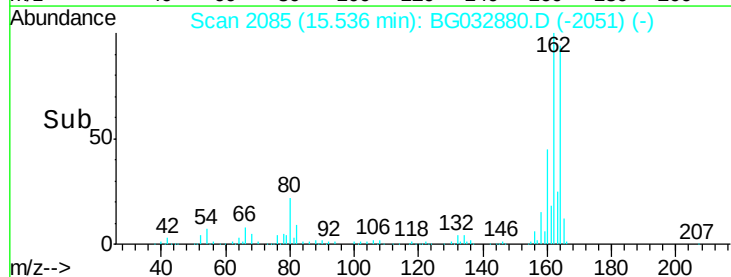
Ion 89.00 (88.70 to 89.70): B

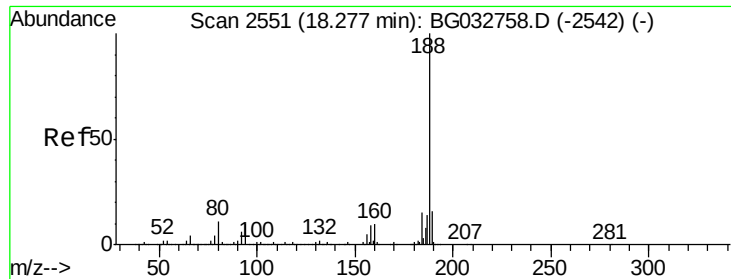
Ion 182.00 (181.70 to 182.70): E

15.54

15.50 15.55 15.60

Time-->





#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 18.26 min Scan# 2549

Delta R.T. -0.01 min

Lab File: BG032880.D

Acq: 28 Feb 2018 7:47

Instrument :

BNA_G

ClientSampleId :

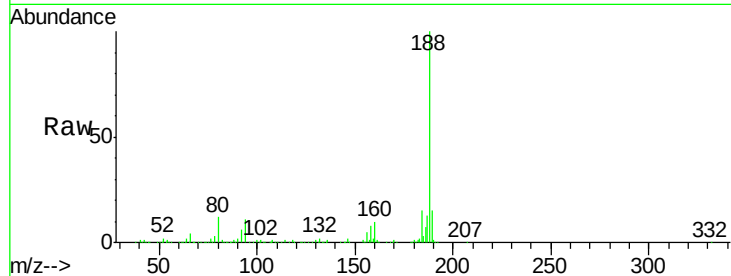
Tot Ion:188 Resp: 393297

Ion Ratio Lower Upper

188 100

94 10.7 6.9 10.3#

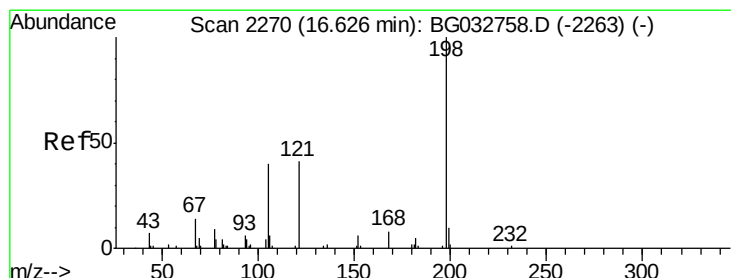
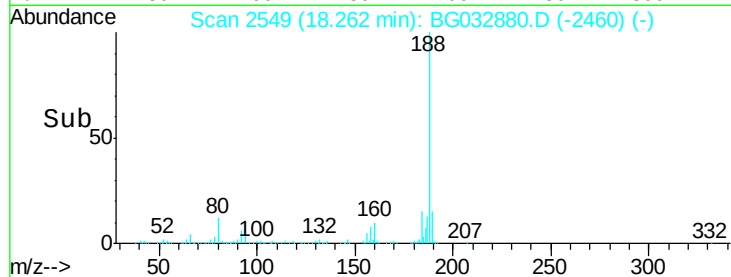
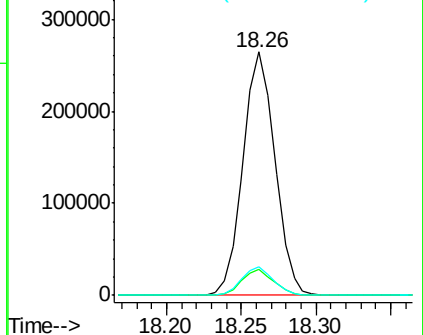
80 11.7 7.7 11.5#



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC



#64

4,6-Dinitro-2-methylphenol

Concen: 5.369 ng

RT: 17.00 min Scan# 2334

Delta R.T. 0.38 min

Lab File: BG032880.D

Acq: 28 Feb 2018 7:47

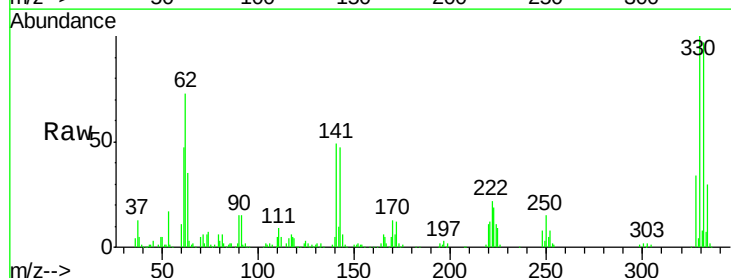
Tgt Ion:198 Resp: 389

Ion Ratio Lower Upper

198 100

51 194.4 30.6 70.6#

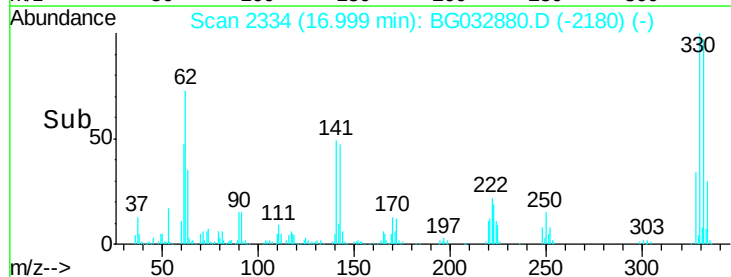
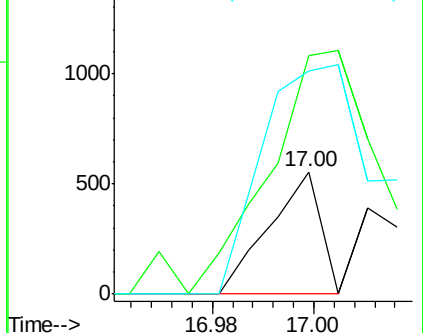
105 182.4 23.8 63.8#

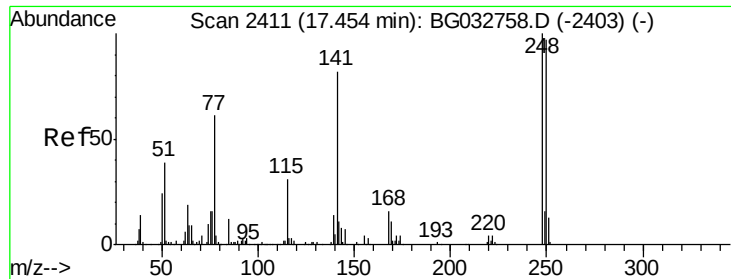


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BGC

Ion 105.00 (104.70 to 105.70): E

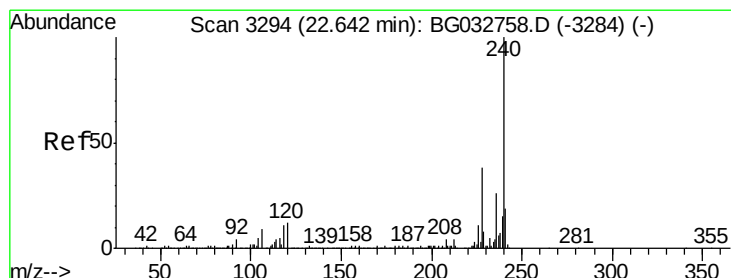
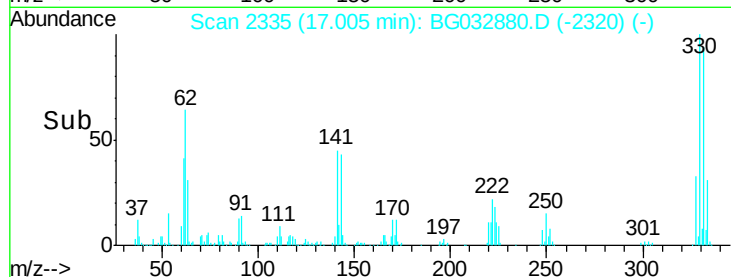
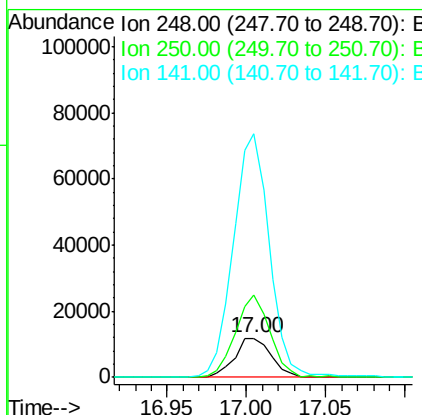
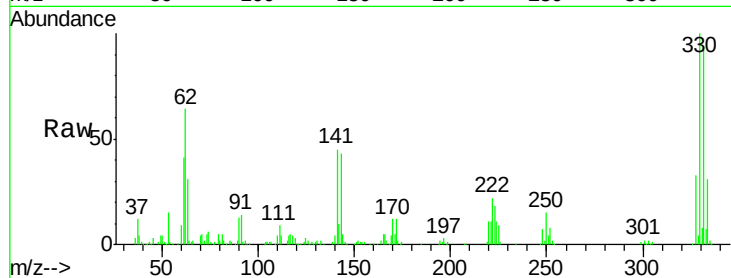




#66
4-Bromophenyl-phenylether
Concen: 4.596 ng
RT: 17.00 min Scan# 2335
Delta R.T. -0.44 min
Lab File: BG032880.D
Acq: 28 Feb 2018 7:47

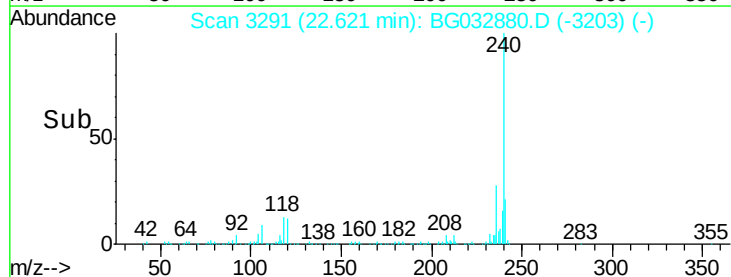
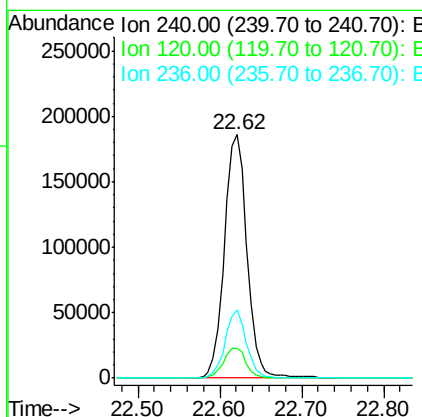
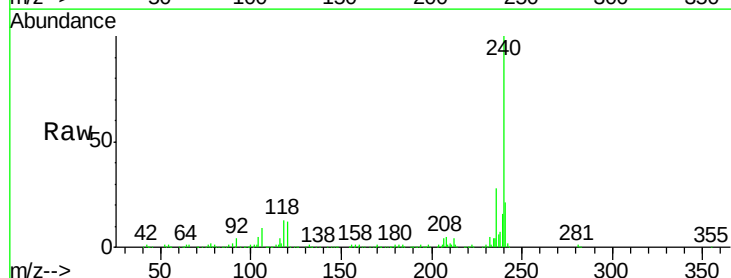
Instrument :
BNA_G
ClientSampleId :

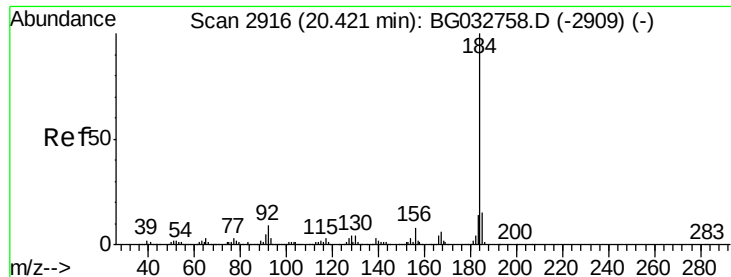
Tot Ion:248 Resp: 19113
Ion Ratio Lower Upper
248 100
250 212.3 77.1 115.7#
141 623.6 50.8 76.2#



#75
Chrysene-d12
Concen: 20.000 ng
RT: 22.62 min Scan# 3291
Delta R.T. -0.01 min
Lab File: BG032880.D
Acq: 28 Feb 2018 7:47

Tgt Ion:240 Resp: 358882
Ion Ratio Lower Upper
240 100
120 12.3 6.8 10.2#
236 28.1 20.9 31.3





#76

Benzidine

Concen: 2.304 ng

RT: 20.78 min Scan# 2978

Delta R.T. 0.37 min

Lab File: BG032880.D

Acq: 28 Feb 2018 7:47

Instrument :

BNA_G

ClientSampleId :

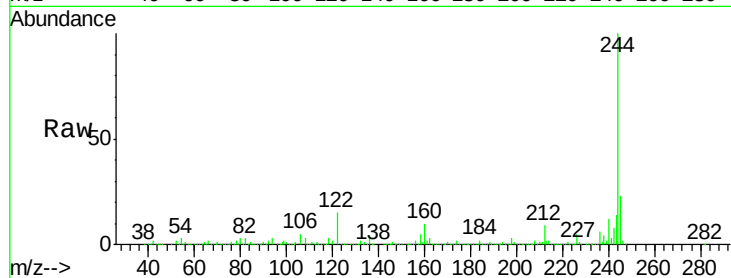
Tot Ion:184 Resp: 28185

Ion Ratio Lower Upper

184 100

185 17.0 11.1 16.7#

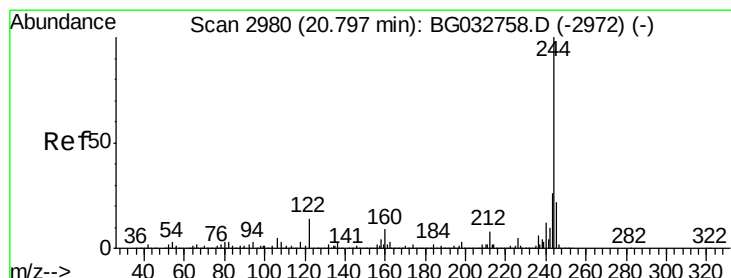
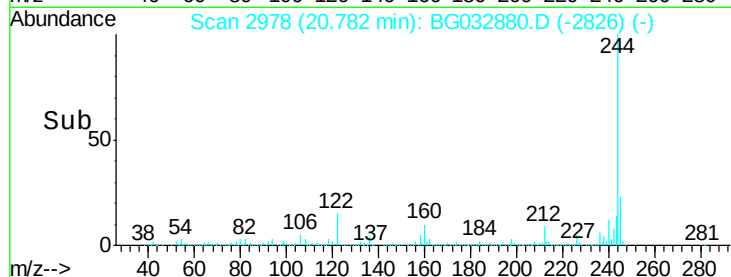
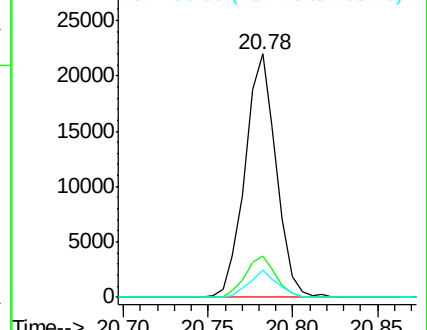
183 11.0 10.6 16.0



Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E



#78

Terphenyl-d14

Concen: 102.421 ng

RT: 20.78 min Scan# 2978

Delta R.T. -0.01 min

Lab File: BG032880.D

Acq: 28 Feb 2018 7:47

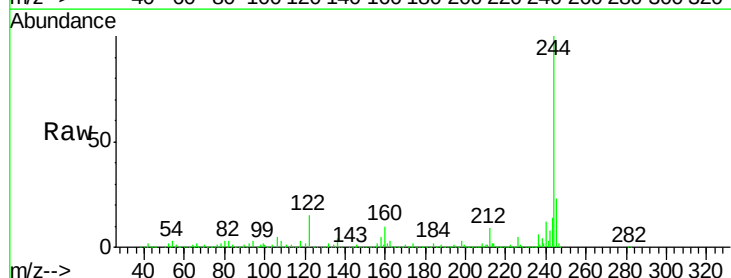
Tgt Ion:244 Resp: 1636027

Ion Ratio Lower Upper

244 100

212 8.7 5.8 8.8

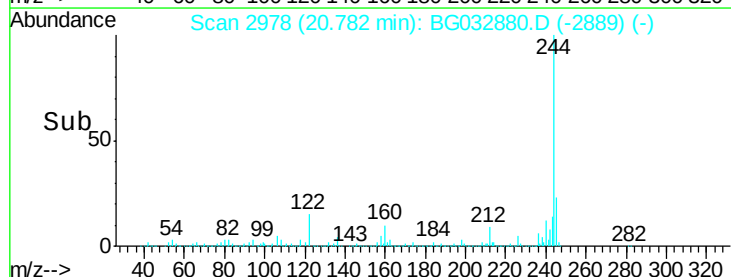
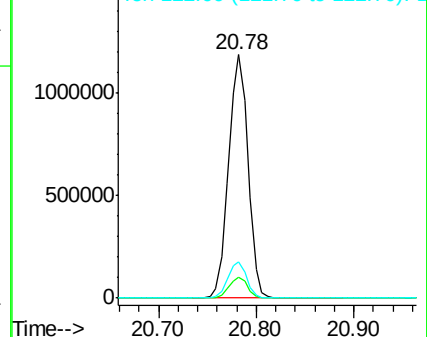
122 15.1 7.0 10.4#

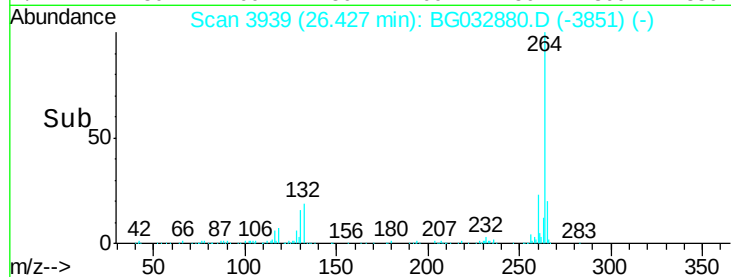
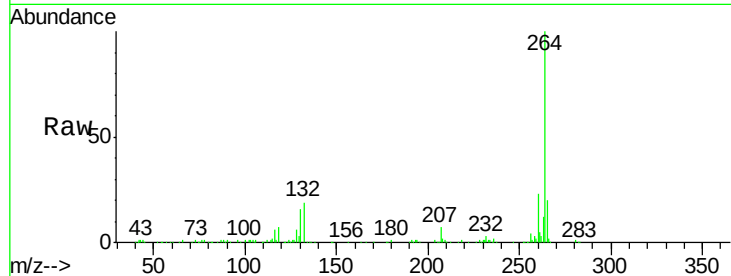
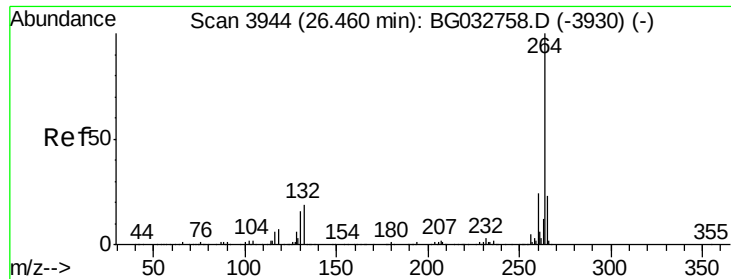


Abundance Ion 244.00 (243.70 to 244.70): E

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: 26.43 min Scan# 3939

Delta R.T. -0.01 min

Lab File: BG032880.D

Acq: 28 Feb 2018 7:47

Instrument :

BNA_G

ClientSampleId :

Tot Ion:264 Resp: 349943

Ion Ratio Lower Upper

264 100

260 23.3 17.4 26.0

265 20.2 17.7 26.5

