

Data Path : Z:\HPCHEM1\BNA G\DATA\BG022718\
 Data File : BG032877.D
 Acq On : 28 Feb 2018 5:54
 Operator : SJ/JU
 Sample : J1400-12
 Misc :
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Feb 28 09:41:22 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	74971	20.00	ng	0.00
21) Naphthalene-d8	11.81	136	318951	20.00	ng	0.00
38) Acenaphthene-d10	15.54	164	174697	20.00	ng	0.00
63) Phenanthrene-d10	18.26	188	396138	20.00	ng	0.00
75) Chrysene-d12	22.61	240	376474	20.00	ng	-0.02
86) Perylene-d12	26.43	264	376283	20.00	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	6.34	112	642925	137.20	ng	0.00
7) Phenol-d6	8.02	99	762809	116.78	ng	0.00
23) Nitrobenzene-d5	10.12	82	540508	113.80	ng	0.00
41) 2,4,6-Tribromophenol	17.00	330	260660	141.90	ng	0.00
44) 2-Fluorobiphenyl	14.17	172	1168567	96.47	ng	0.00
78) Terphenyl-d14	20.78	244	1694079	101.10	ng	0.00

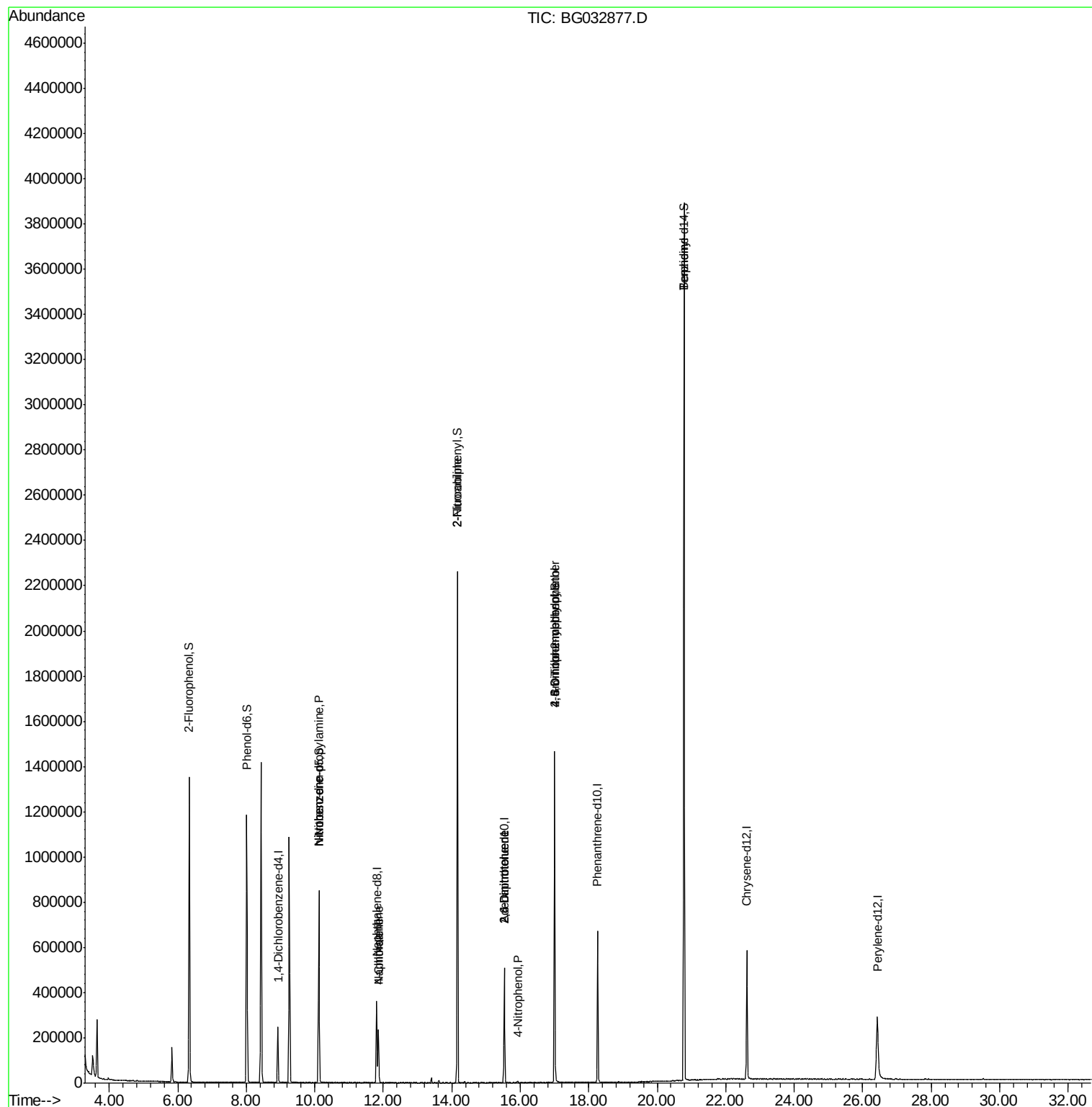
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	10.12	70	69421	15.055	ng	# 84
24) Nitrobenzene	10.11	77	1652	6.662	ng	# 46
31) Naphthalene	11.86	128	213394	12.804	ng	# 99
33) 4-Chloroaniline	11.86	127	28989	3.890	ng	# 35
47) 2-Nitroaniline	14.16	65	1959	10.377	ng	# 7
50) 2,6-Dinitrotoluene	15.54	165	22647	16.412	ng	# 20
55) 4-Nitrophenol	15.92	139	1418	7.613	ng	# 1
56) 2,4-Dinitrotoluene	15.54	165	22647	14.610	ng	# 18
64) 4,6-Dinitro-2-methylphenol	17.00	198	893	5.905	ng	# 1
66) 4-Bromophenyl-phenylether	17.00	248	18487	4.414	ng	# 1
76) Benzidine	20.78	184	30078	2.344	ng	# 94

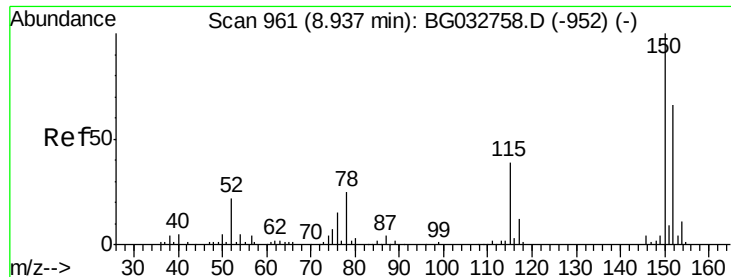
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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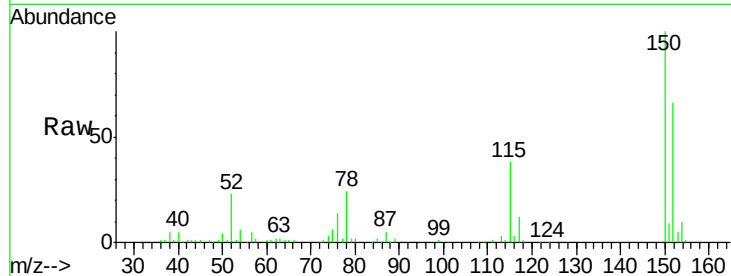


#1

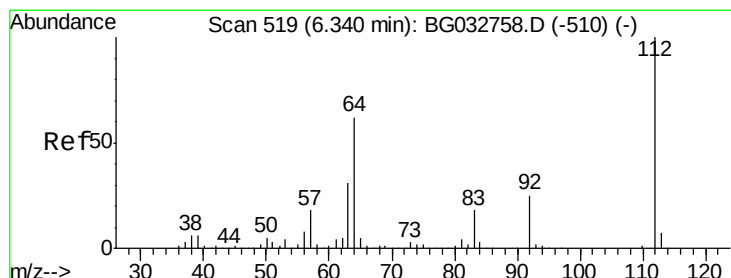
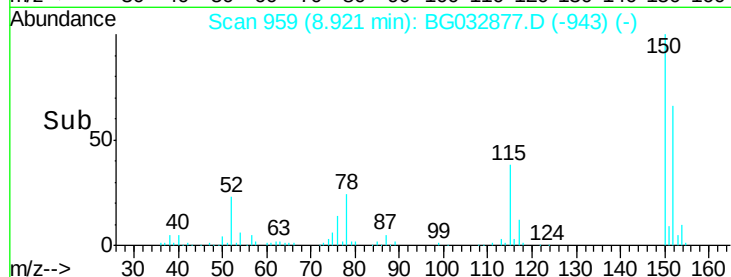
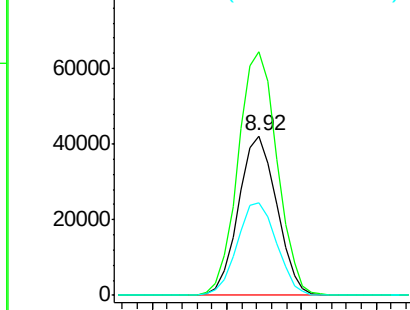
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.92 min Scan# 959
Delta R.T. -0.01 min
Lab File: BG032877.D
Acq: 28 Feb 2018 5:54

Instrument :
BNA_G
ClientSampleId :

Tot Ion:152 Resp: 74971
Ion Ratio Lower Upper
152 100
150 152.4 126.6 189.8
115 58.2 53.0 79.4



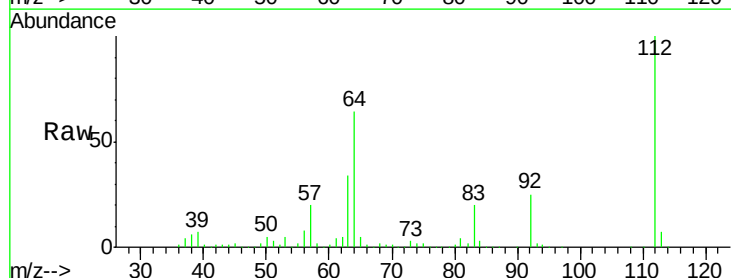
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



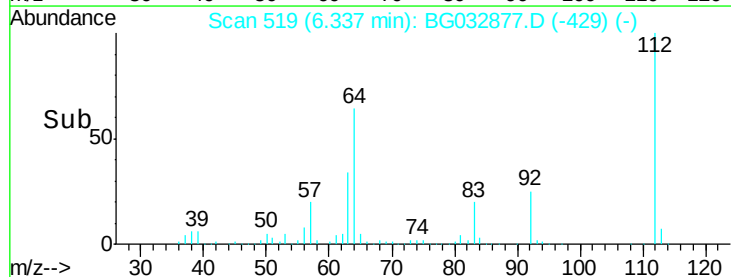
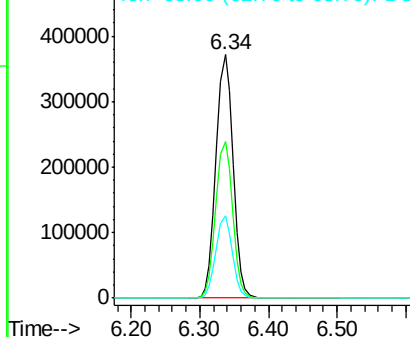
#5

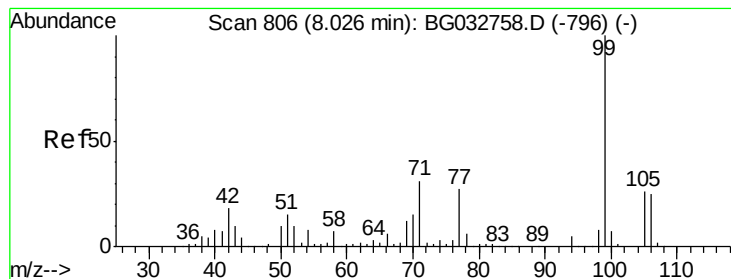
2-Fluorophenol
Concen: 137.198 ng
RT: 6.34 min Scan# 519
Delta R.T. 0.00 min
Lab File: BG032877.D
Acq: 28 Feb 2018 5:54

Tgt Ion:112 Resp: 642925
Ion Ratio Lower Upper
112 100
64 64.2 56.3 84.5
63 33.9 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: 116.784 ng

RT: 8.02 min Scan# 805

Delta R.T. 0.00 min

Lab File: BG032877.D

Acq: 28 Feb 2018 5:54

Instrument :

BNA_G

ClientSampled :

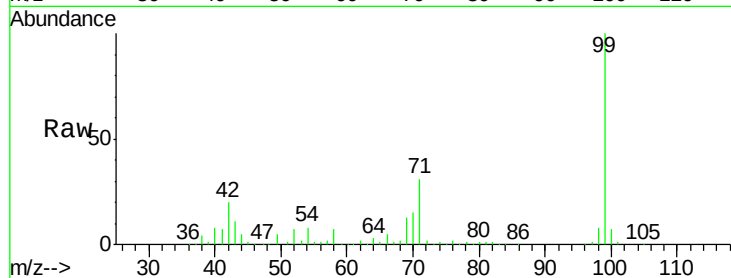
Tot Ion: 99 Resp: 762809

Ion Ratio Lower Upper

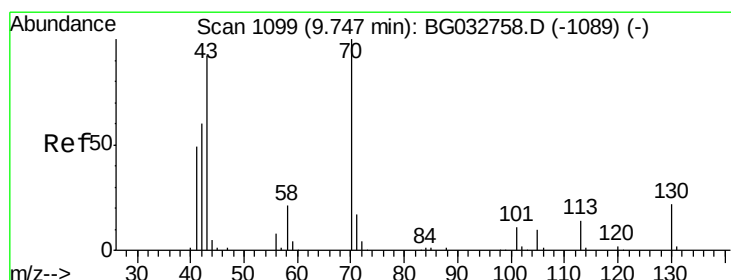
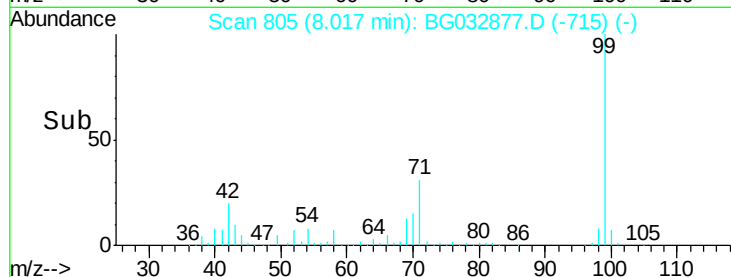
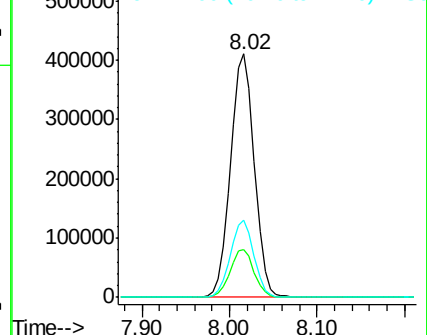
99 100

42 19.6 14.1 21.1

71 31.5 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: 15.055 ng

RT: 10.12 min Scan# 1163

Delta R.T. 0.38 min

Lab File: BG032877.D

Acq: 28 Feb 2018 5:54

Tgt Ion: 70 Resp: 69421

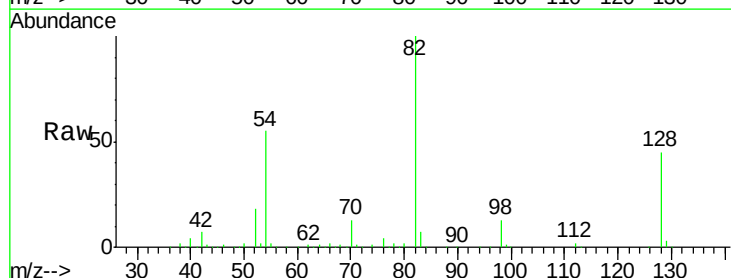
Ion Ratio Lower Upper

70 100

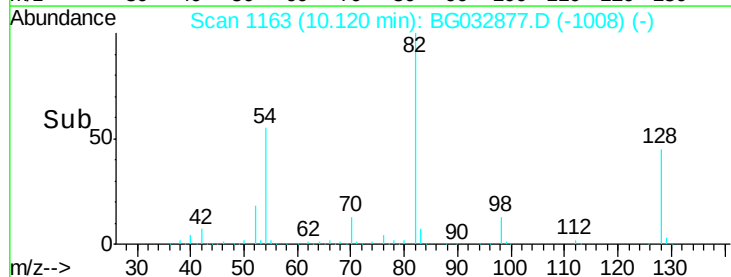
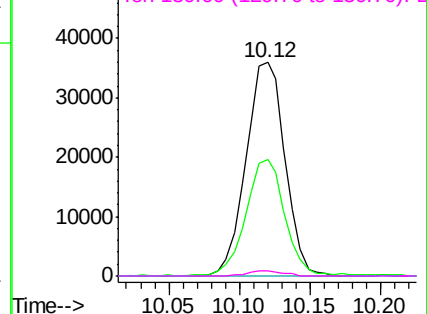
42 54.5 49.1 73.7

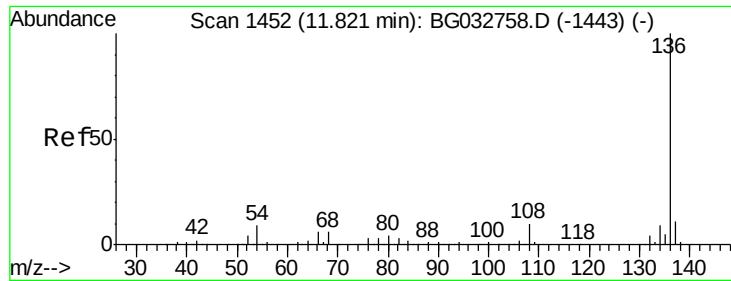
101 0.0 8.5 12.7#

130 2.2 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

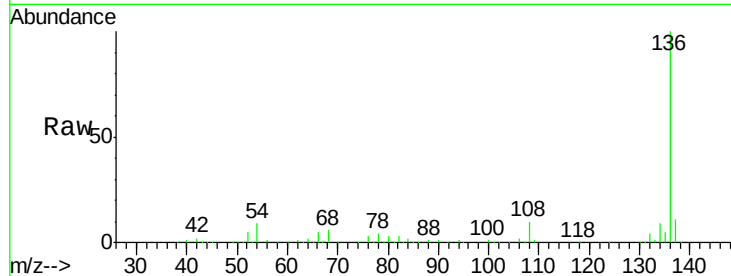




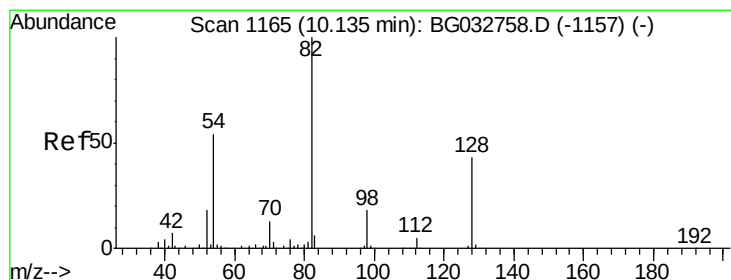
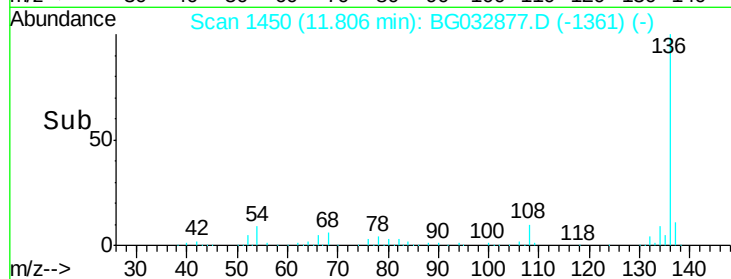
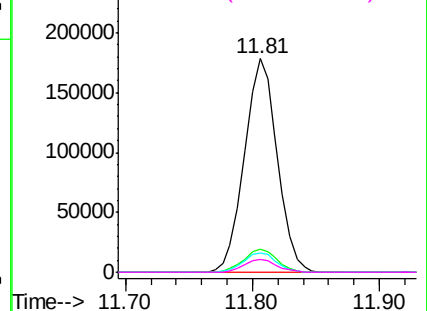
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.81 min Scan# 1450
Delta R.T. -0.01 min
Lab File: BG032877.D
Acq: 28 Feb 2018 5:54

Instrument :
BNA_G
ClientSampleId :

Tot Ion:	136	Resp:	318951
Ion	Ratio	Lower	Upper
136	100		
137	10.9	9.2	13.8
54	8.9	10.3	15.5#
68	6.2	4.5	6.7

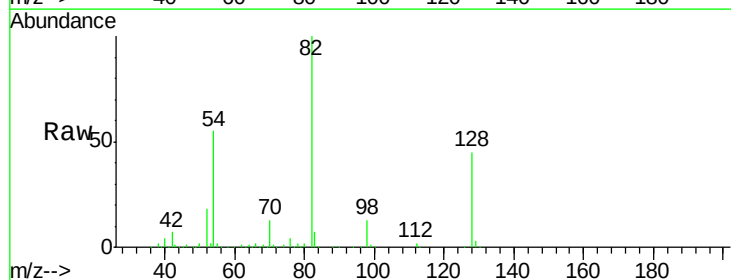


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

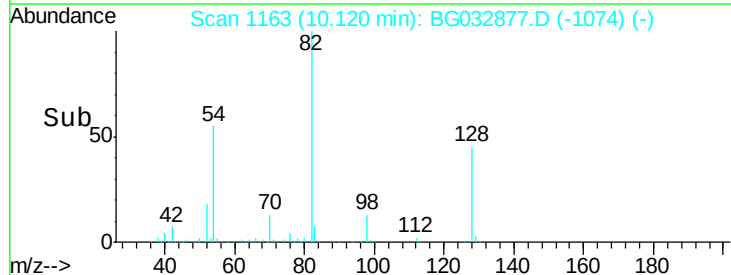
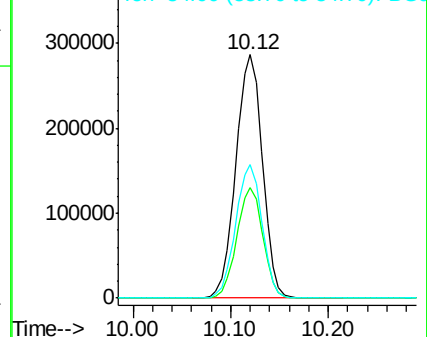


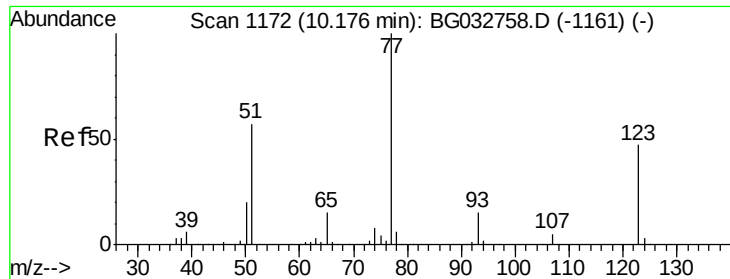
#23
Nitrobenzene-d5
Concen: 113.798 ng
RT: 10.12 min Scan# 1163
Delta R.T. -0.01 min
Lab File: BG032877.D
Acq: 28 Feb 2018 5:54

Tgt Ion:	82	Resp:	540508
Ion	Ratio	Lower	Upper
82	100		
128	45.4	29.7	44.5#
54	54.6	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: 6.662 ng

RT: 10.11 min Scan# 1162

Delta R.T. -0.05 min

Lab File: BG032877.D

Acq: 28 Feb 2018 5:54

Instrument :

BNA_G

ClientSampled :

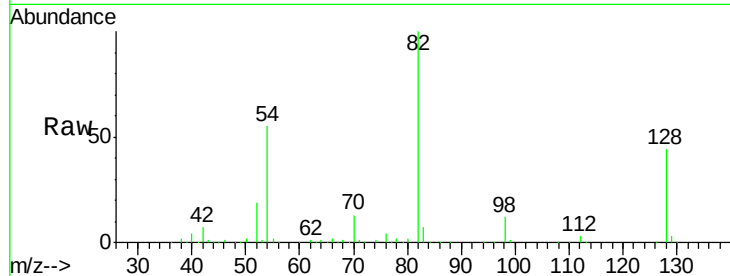
Tot Ion: 77 Resp: 1652

Ion Ratio Lower Upper

77 100

123 0.0 33.0 49.6#

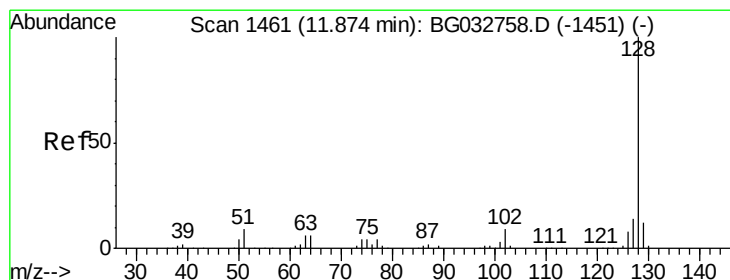
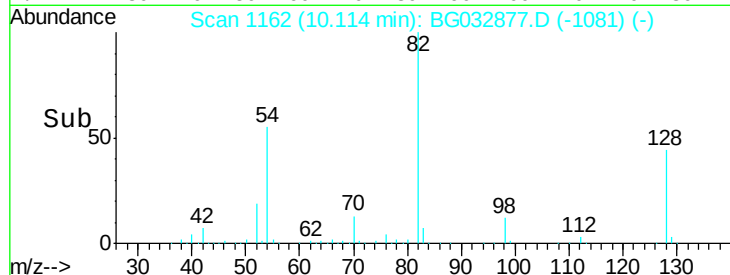
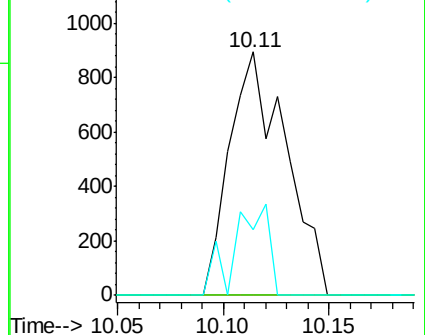
65 27.1 13.0 19.6#



Abundance Ion 77.00 (76.70 to 77.70): BGC

Ion 123.00 (122.70 to 123.70): BGC

Ion 65.00 (64.70 to 65.70): BGC



#31

Naphthalene

Concen: 12.804 ng

RT: 11.86 min Scan# 1459

Delta R.T. -0.01 min

Lab File: BG032877.D

Acq: 28 Feb 2018 5:54

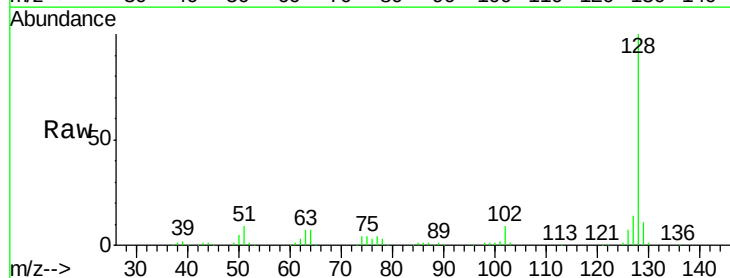
Tgt Ion: 128 Resp: 213394

Ion Ratio Lower Upper

128 100

129 11.1 8.6 12.8

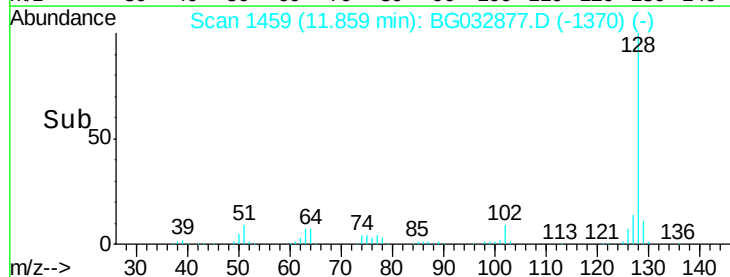
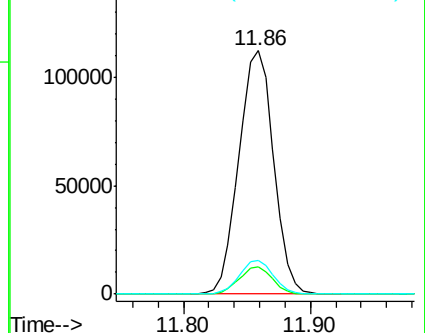
127 14.0 11.6 17.4

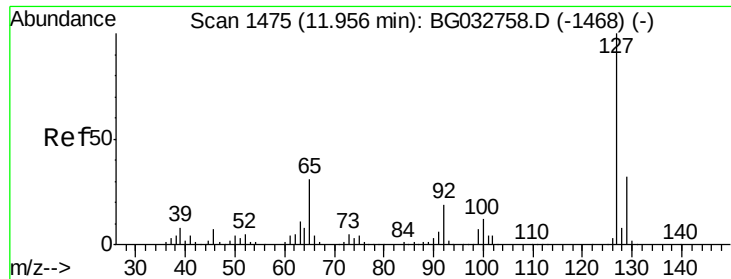


Abundance Ion 128.00 (127.70 to 128.70): BGC

Ion 129.00 (128.70 to 129.70): BGC

Ion 127.00 (126.70 to 127.70): BGC

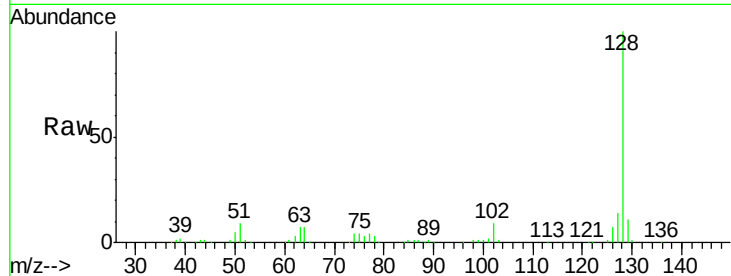




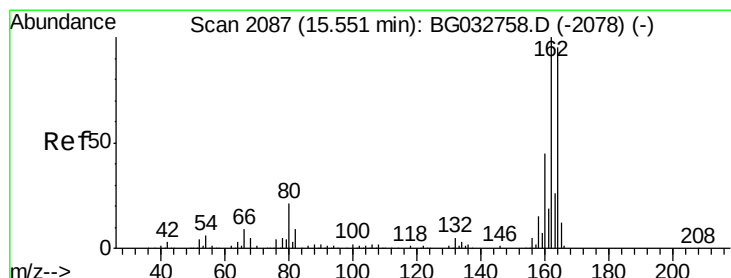
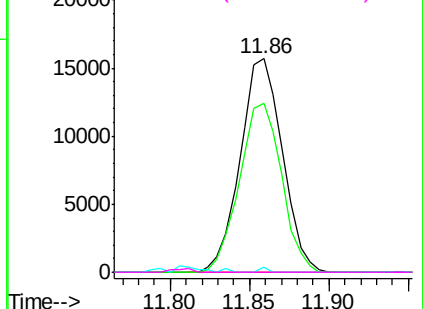
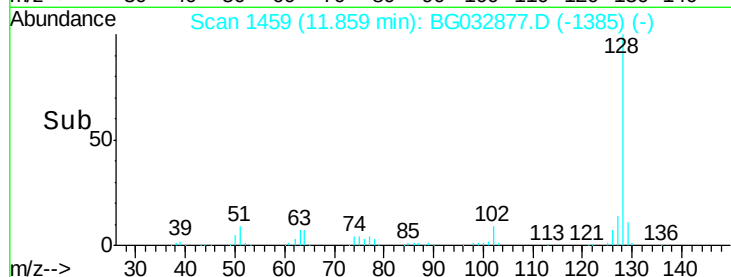
#33
4-Chloroaniline
Concen: 3.890 ng
RT: 11.86 min Scan# 1459
Delta R.T. -0.09 min
Lab File: BG032877.D
Acq: 28 Feb 2018 5:54

Instrument :
BNA_G
ClientSampled :

Tot Ion	Ratio	Lower	Upper
127	100		
129	79.1	24.0	36.0#
65	2.5	27.0	40.4#
92	0.0	16.6	25.0#

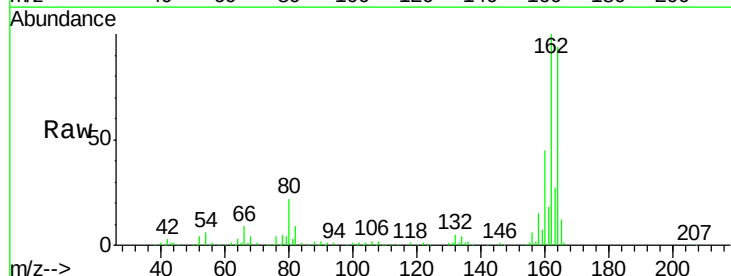


Abundance Ion 127.00 (126.70 to 127.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 65.00 (64.70 to 65.70): BGC
Ion 92.00 (91.70 to 92.70): BGC

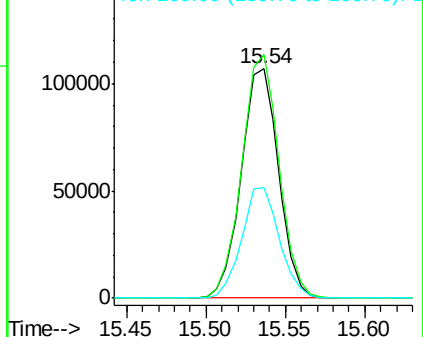
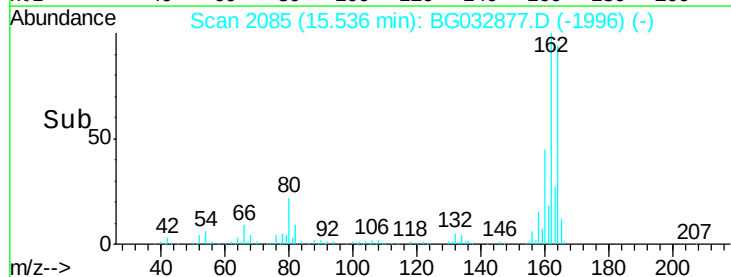


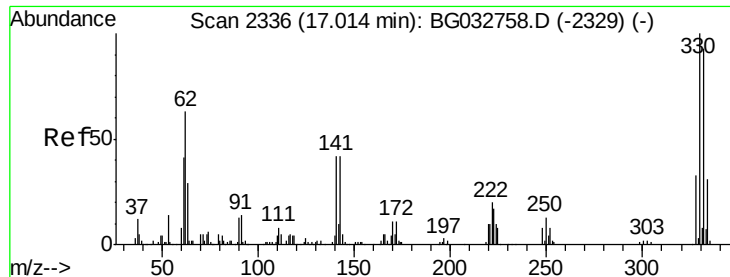
#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 15.54 min Scan# 2085
Delta R.T. -0.01 min
Lab File: BG032877.D
Acq: 28 Feb 2018 5:54

Tgt Ion	Ratio	Lower	Upper
164	100		
162	106.3	78.8	118.2
160	48.2	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

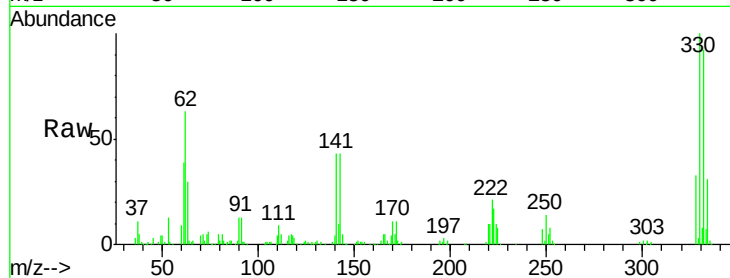




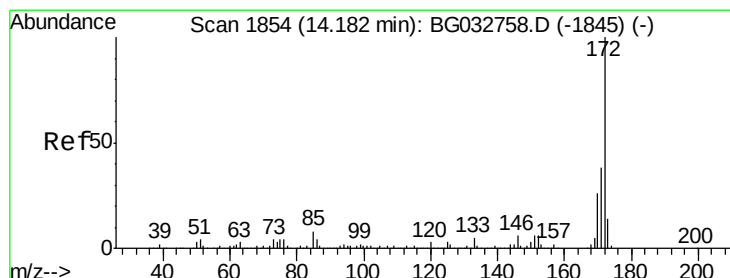
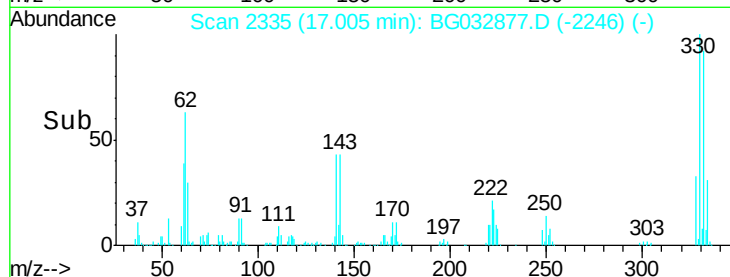
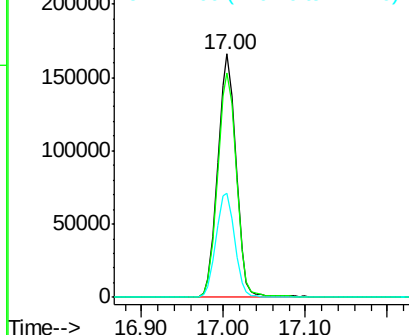
#41
 2,4,6-Tribromophenol
 Concen: 141.904 ng
 RT: 17.00 min Scan# 2335
 Delta R.T. -0.01 min
 Lab File: BG032877.D
 Acq: 28 Feb 2018 5:54

Instrument :
 BNA_G
 ClientSampled :

Tot Ion:330 Resp: 260660
 Ion Ratio Lower Upper
 330 100
 332 94.6 77.0 115.6
 141 44.1 25.2 37.8#

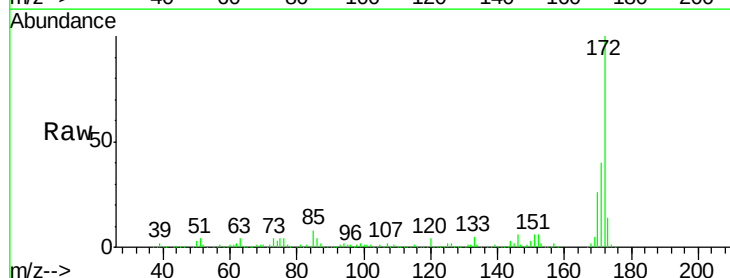


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

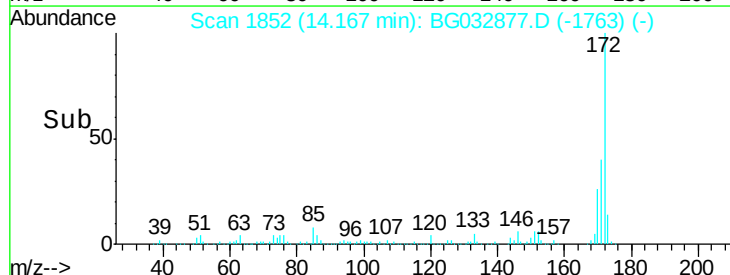
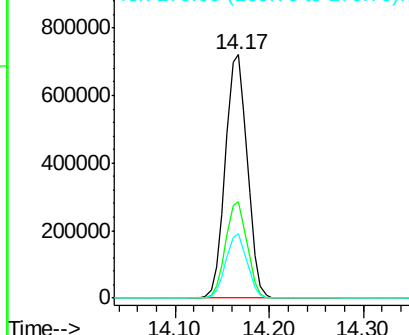


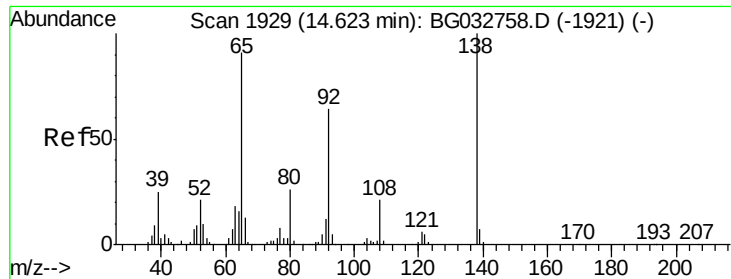
#44
 2-Fluorobiphenyl
 Concen: 96.474 ng
 RT: 14.17 min Scan# 1852
 Delta R.T. -0.01 min
 Lab File: BG032877.D
 Acq: 28 Feb 2018 5:54

Tgt Ion:172 Resp: 1168567
 Ion Ratio Lower Upper
 172 100
 171 39.7 30.0 45.0
 170 26.3 19.5 29.3



Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E





#47

2-Nitroaniline

Concen: 10.377 ng

RT: 14.16 min Scan# 1851

Delta R.T. -0.46 min

Lab File: BG032877.D

Acq: 28 Feb 2018 5:54

Instrument :

BNA_G

ClientSampled :

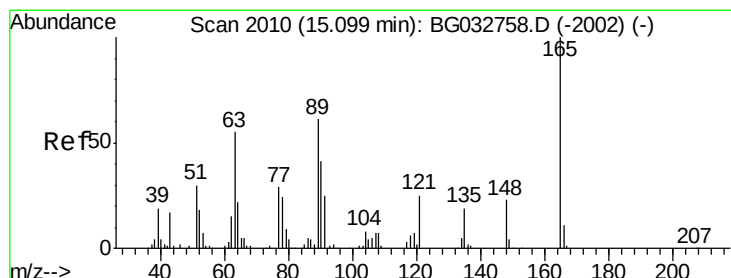
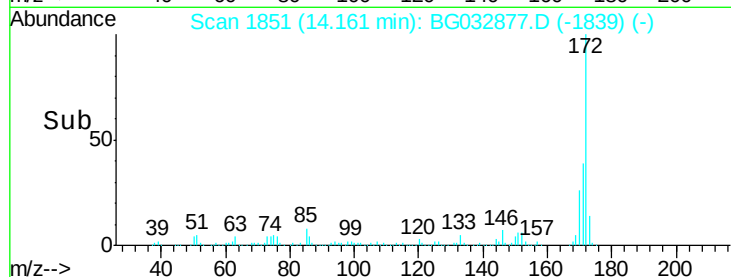
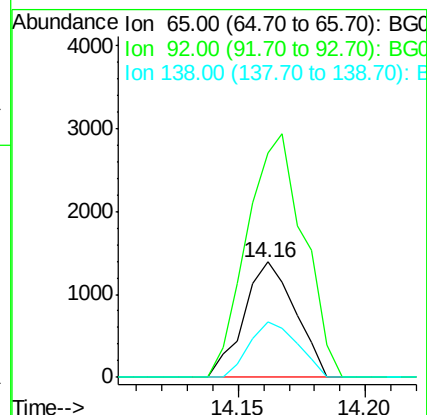
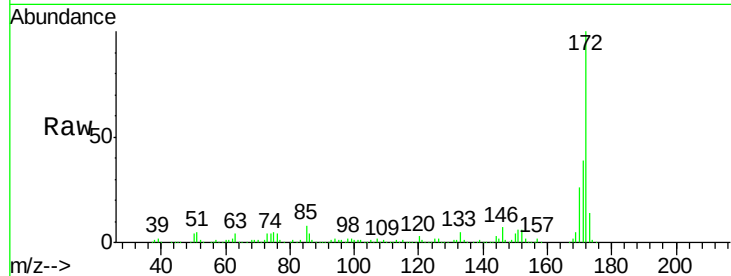
Tot Ion: 65 Resp: 1959

Ion Ratio Lower Upper

65 100

92 195.0 54.6 82.0#

138 47.8 72.9 109.3#



#50

2,6-Dinitrotoluene

Concen: 16.412 ng

RT: 15.54 min Scan# 2085

Delta R.T. 0.44 min

Lab File: BG032877.D

Acq: 28 Feb 2018 5:54

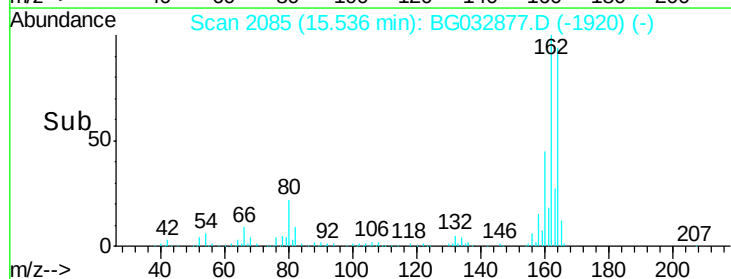
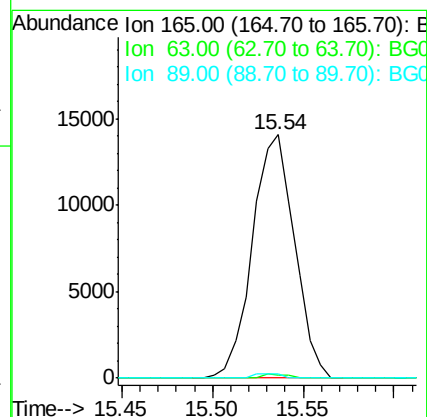
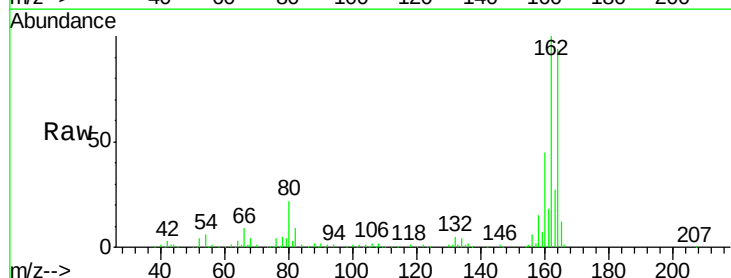
Tgt Ion: 165 Resp: 22647

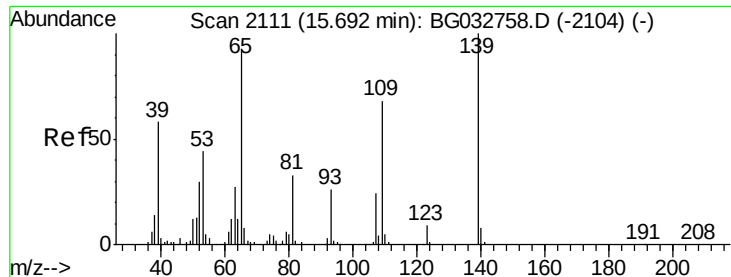
Ion Ratio Lower Upper

165 100

63 1.3 52.7 79.1#

89 1.6 49.2 73.8#

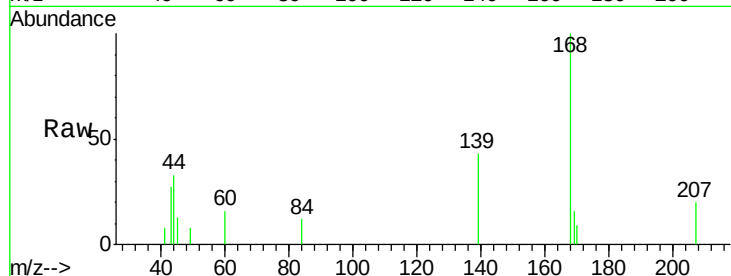




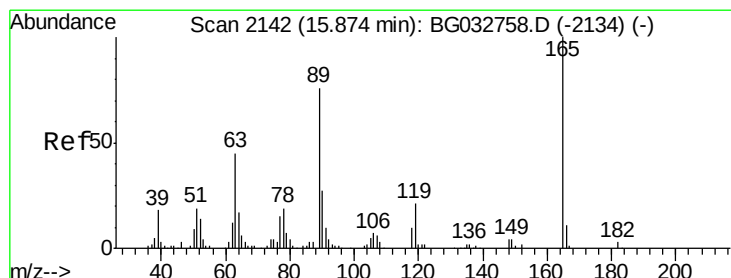
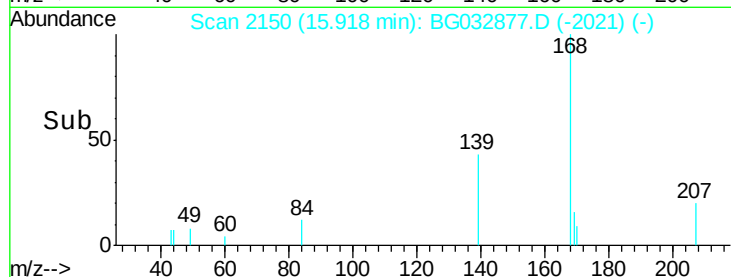
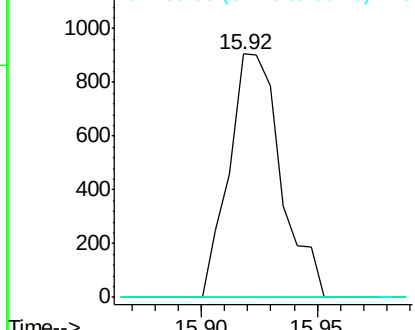
#55
4-Nitrophenol
Concen: 7.613 ng
RT: 15.92 min Scan# 2150
Delta R.T. 0.23 min
Lab File: BG032877.D
Acq: 28 Feb 2018 5:54

Instrument :
BNA_G
ClientSampleId :

Tot Ion:139 Resp: 1418
Ion Ratio Lower Upper
139 100
109 0.0 62.2 102.2#
65 0.0 97.2 137.2#

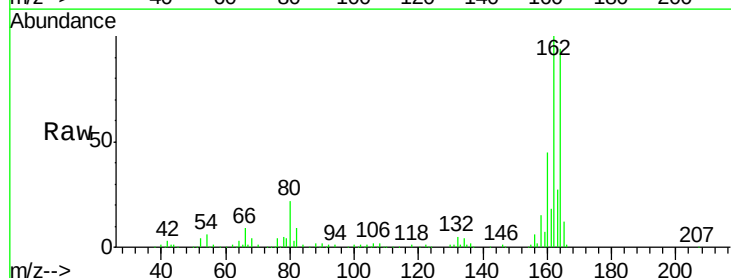


Abundance Ion 139.00 (138.70 to 139.70): E
Ion 109.00 (108.70 to 109.70): E
Ion 65.00 (64.70 to 65.70): B

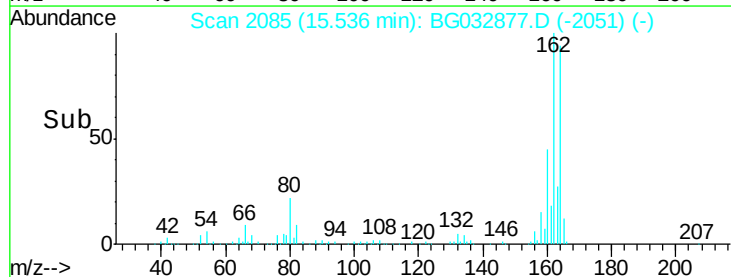
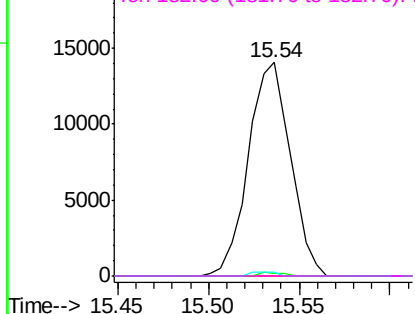


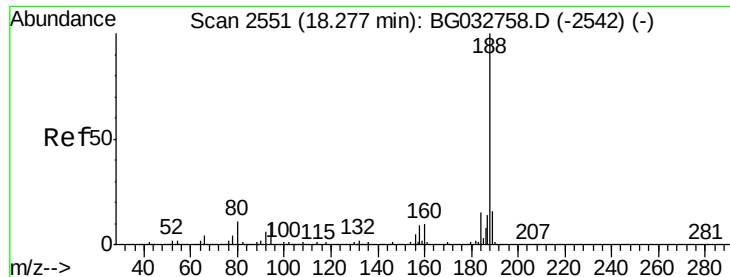
#56
2,4-Dinitrotoluene
Concen: 14.610 ng
RT: 15.54 min Scan# 2085
Delta R.T. -0.33 min
Lab File: BG032877.D
Acq: 28 Feb 2018 5:54

Tgt Ion:165 Resp: 22647
Ion Ratio Lower Upper
165 100
63 1.3 42.0 63.0#
89 1.6 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





#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 18.26 min Scan# 2549

Delta R.T. -0.01 min

Lab File: BG032877.D

Acq: 28 Feb 2018 5:54

Instrument :

BNA_G

ClientSampleId :

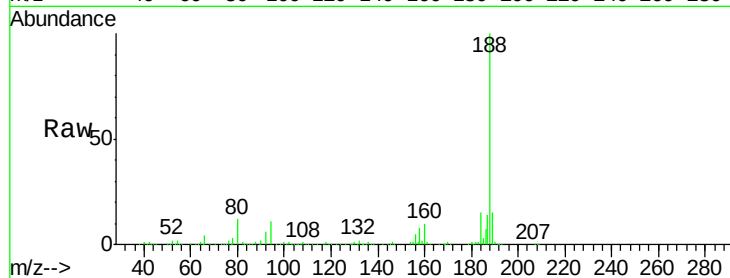
Tot Ion:188 Resp: 396138

Ion Ratio Lower Upper

188 100

94 10.7 6.9 10.3#

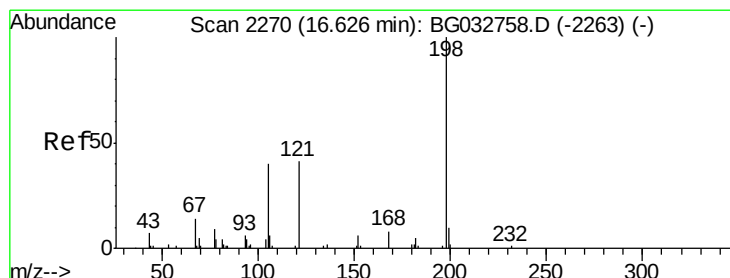
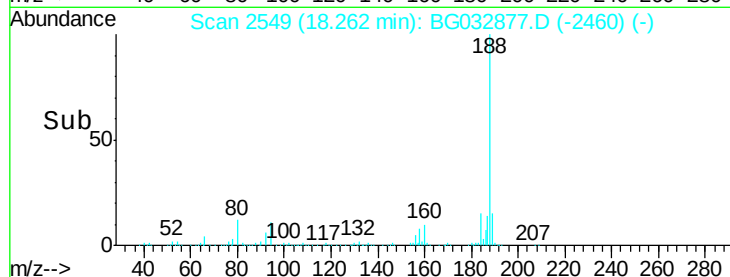
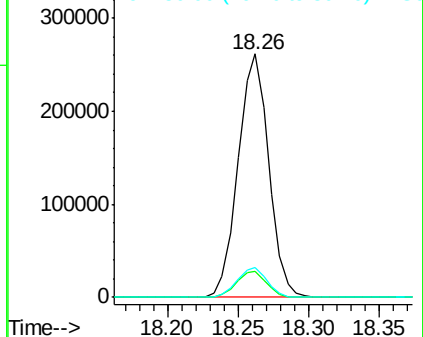
80 12.0 7.7 11.5#



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: 5.905 ng

RT: 17.00 min Scan# 2335

Delta R.T. 0.38 min

Lab File: BG032877.D

Acq: 28 Feb 2018 5:54

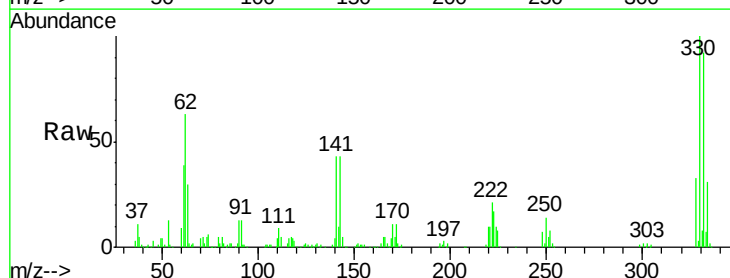
Tgt Ion:198 Resp: 893

Ion Ratio Lower Upper

198 100

51 232.0 30.6 70.6#

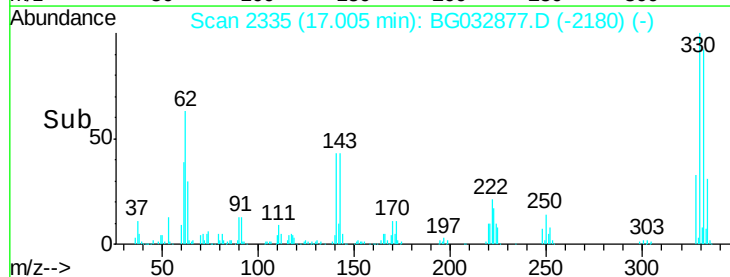
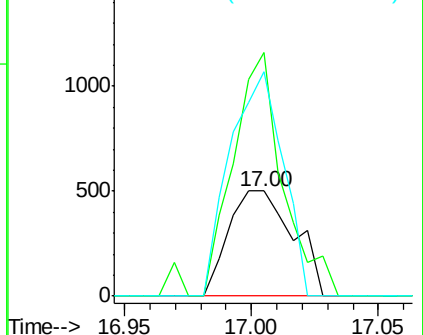
105 213.6 23.8 63.8#

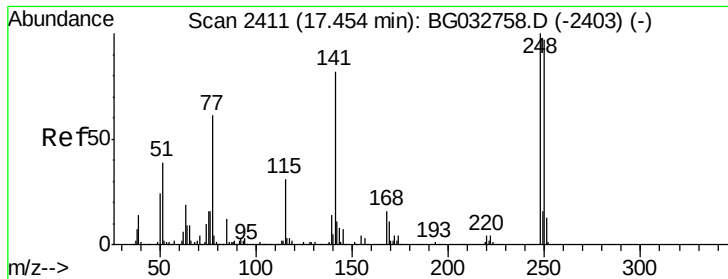


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BGC

Ion 105.00 (104.70 to 105.70): E

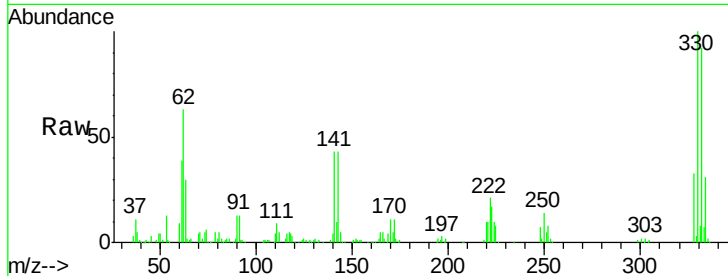




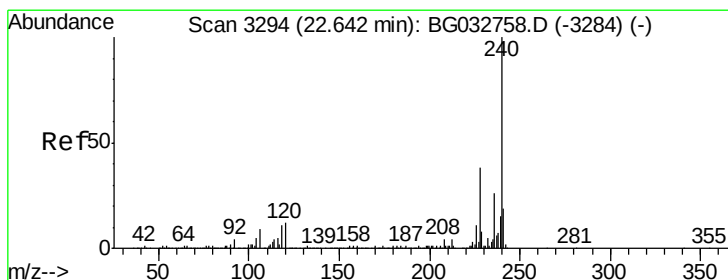
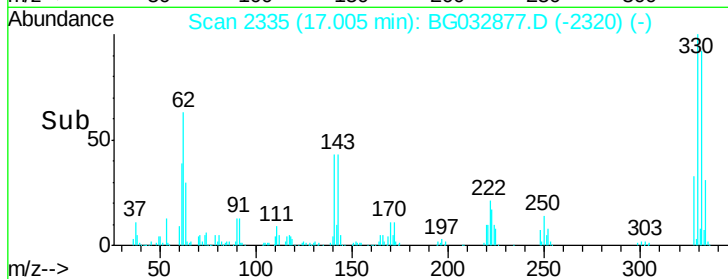
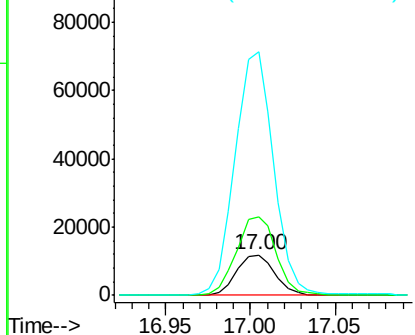
#66
 4-Bromophenyl-phenylether
 Concen: 4.414 ng
 RT: 17.00 min Scan# 2335
 Delta R.T. -0.44 min
 Lab File: BG032877.D
 Acq: 28 Feb 2018 5:54

Instrument :
 BNA_G
 ClientSampled :

Tot Ion:248 Resp: 18487
 Ion Ratio Lower Upper
 248 100
 250 194.1 77.1 115.7#
 141 605.8 50.8 76.2#

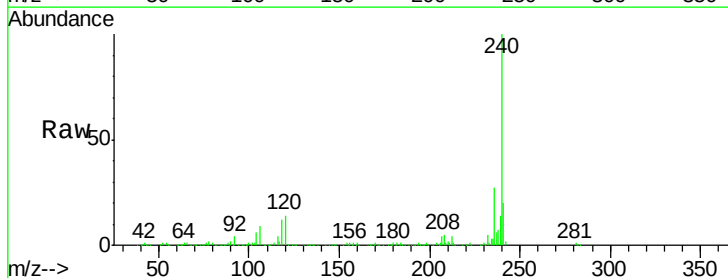


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

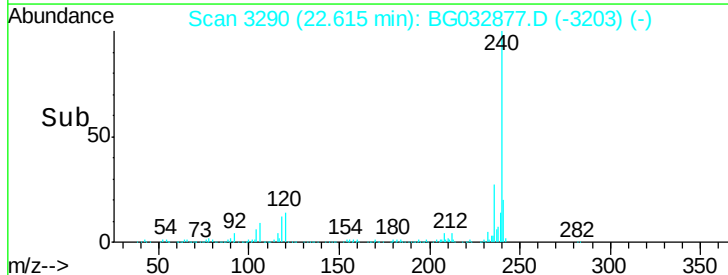
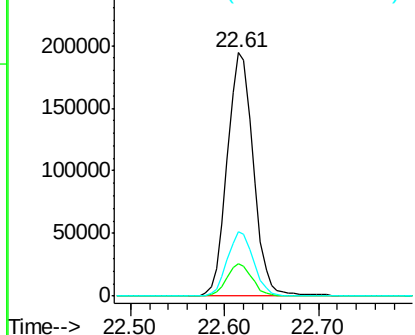


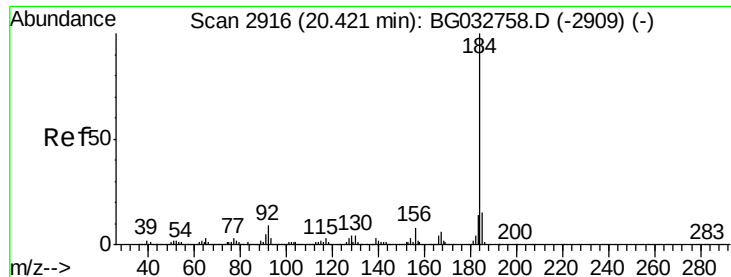
#75
 Chrysene-d12
 Concen: 20.000 ng
 RT: 22.61 min Scan# 3290
 Delta R.T. -0.02 min
 Lab File: BG032877.D
 Acq: 28 Feb 2018 5:54

Tgt Ion:240 Resp: 376474
 Ion Ratio Lower Upper
 240 100
 120 13.5 6.8 10.2#
 236 26.5 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: 2.344 ng

RT: 20.78 min Scan# 2978

Delta R.T. 0.36 min

Lab File: BG032877.D

Acq: 28 Feb 2018 5:54

Instrument :

BNA_G

ClientSampleId :

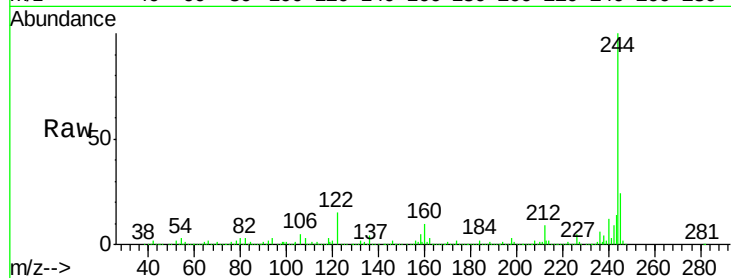
Tot Ion:184 Resp: 30078

Ion Ratio Lower Upper

184 100

185 16.1 11.1 16.7

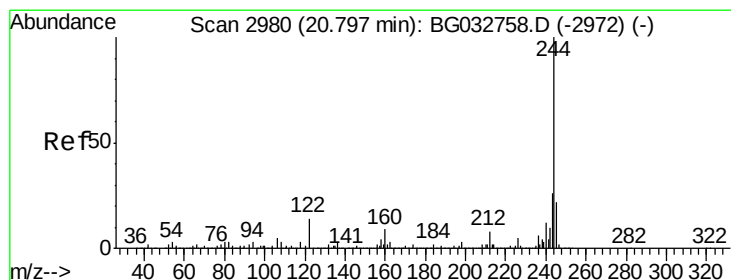
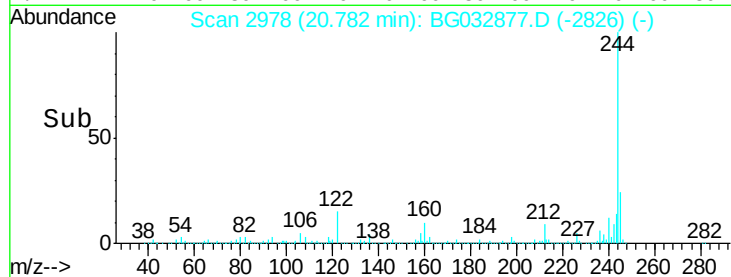
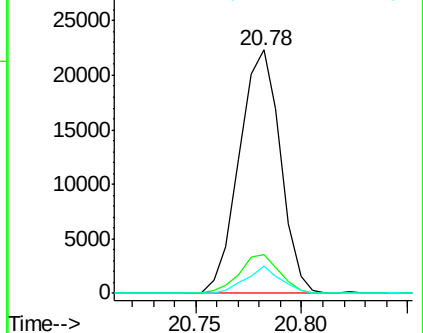
183 11.0 10.6 16.0



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: 101.100 ng

RT: 20.78 min Scan# 2978

Delta R.T. -0.01 min

Lab File: BG032877.D

Acq: 28 Feb 2018 5:54

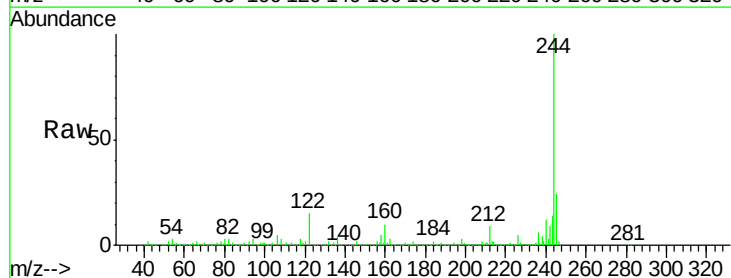
Tgt Ion:244 Resp: 1694079

Ion Ratio Lower Upper

244 100

212 8.8 5.8 8.8#

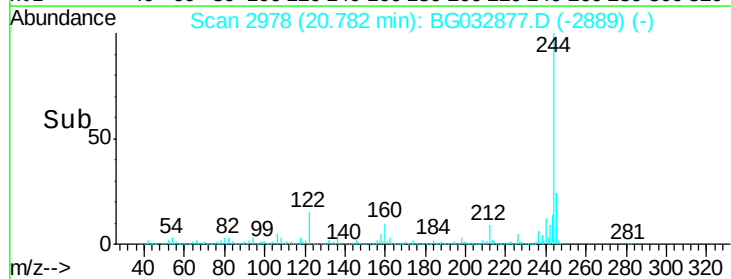
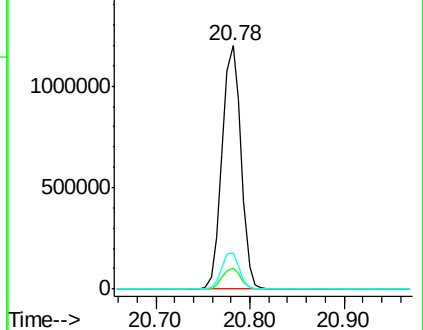
122 14.8 7.0 10.4#

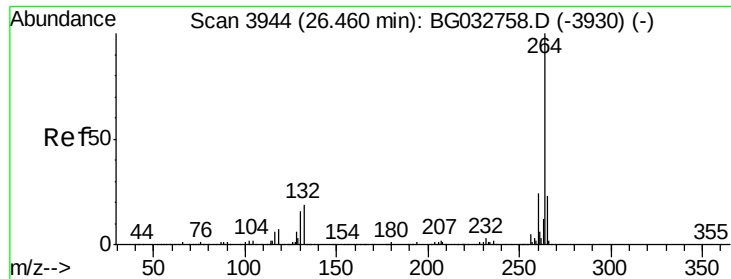


Abundance Ion 244.00 (243.70 to 244.70): E

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: BG032877.D
 Acq: 28 Feb 2018 5:54

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.1	17.4	26.0
265	21.6	17.7	26.5

