

Data Path : Z:\HPCHEM1\BNA G\DATA\BG022618\
 Data File : BG032839.D
 Acq On : 27 Feb 2018 2:33
 Operator : SJ/JU
 Sample : J1691-20
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Feb 27 03:39:29 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

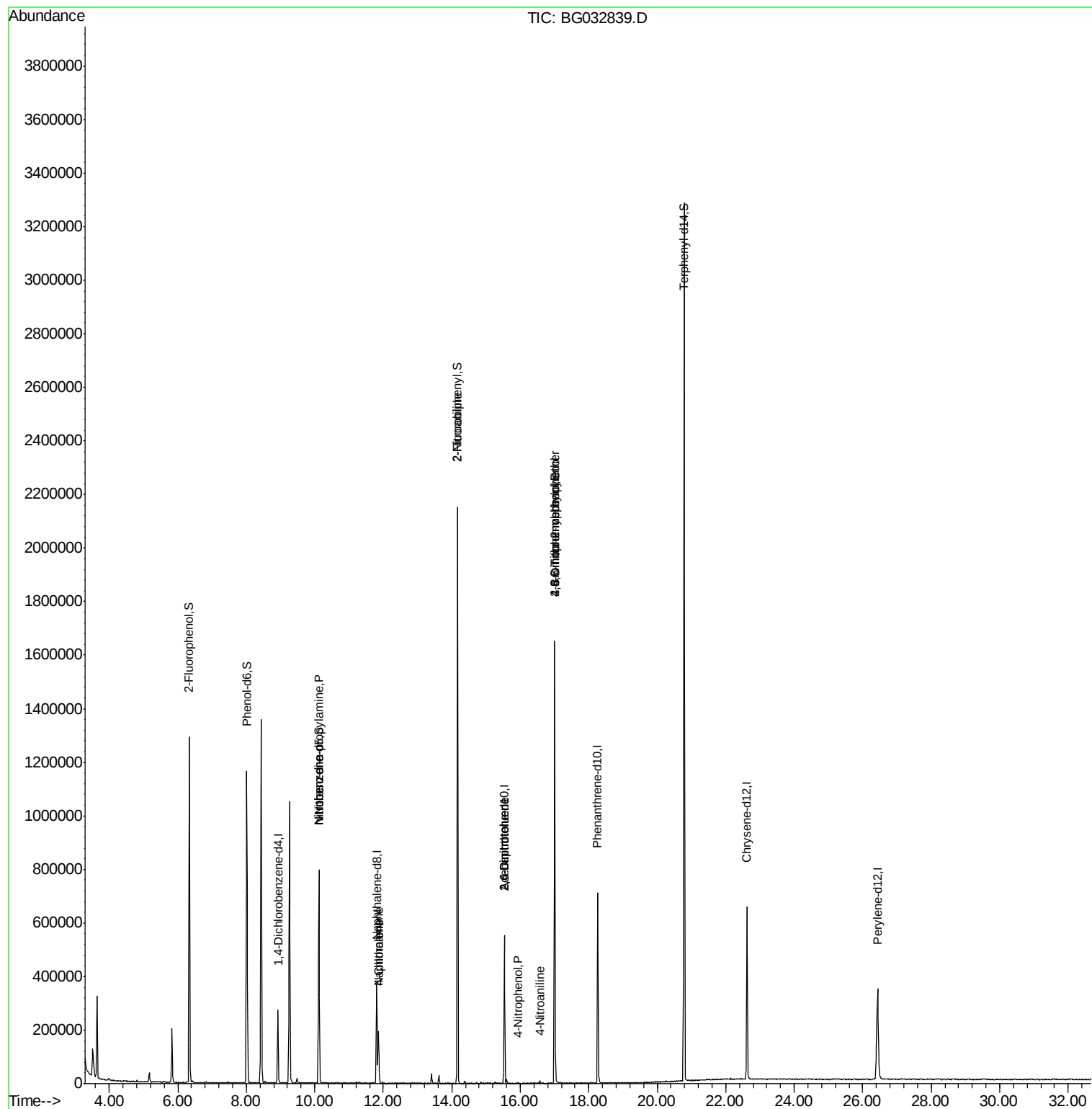
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.92	152	81144	20.00	ng	0.00
21) Naphthalene-d8	11.81	136	341622	20.00	ng	0.00
38) Acenaphthene-d10	15.54	164	187080	20.00	ng	0.00
63) Phenanthrene-d10	18.26	188	431577	20.00	ng	0.00
75) Chrysene-d12	22.62	240	401188	20.00	ng	-0.01
86) Perylene-d12	26.43	264	411446	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	6.34	112	620124	122.27	ng	0.00
7) Phenol-d6	8.02	99	744734	105.34	ng	0.00
23) Nitrobenzene-d5	10.12	82	506968	100.89	ng	0.00
41) 2,4,6-Tribromophenol	17.00	330	280303	142.50	ng	0.00
44) 2-Fluorobiphenyl	14.17	172	1128749	87.02	ng	0.00
78) Terphenyl-d14	20.78	244	1523790	85.34	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	10.12	70	66021	13.23	ng	# 83
24) Nitrobenzene	10.13	77	1394	6.60	ng	# 33
31) Naphthalene	11.86	128	176153	9.87	ng	# 99
33) 4-Chloroaniline	11.86	127	24478	3.07	ng	# 37
47) 2-Nitroaniline	14.17	65	2072	10.37	ng	# 1
50) 2,6-Dinitrotoluene	15.54	165	23521	16.19	ng	# 19
55) 4-Nitrophenol	15.92	139	1380	7.56	ng	# 1
56) 2,4-Dinitrotoluene	15.54	165	23521	14.38	ng	# 17
61) 4-Nitroaniline	16.58	138	55	5.31	ng	# 12
64) 4,6-Dinitro-2-methylphenol	17.00	198	716	5.65	ng	# 1
66) 4-Bromophenyl-phenylether	17.00	248	19933	4.37	ng	# 1

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

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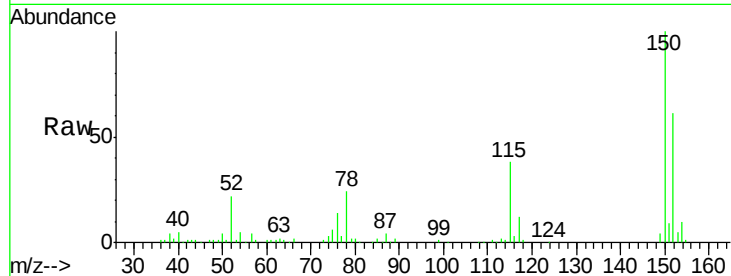


#1

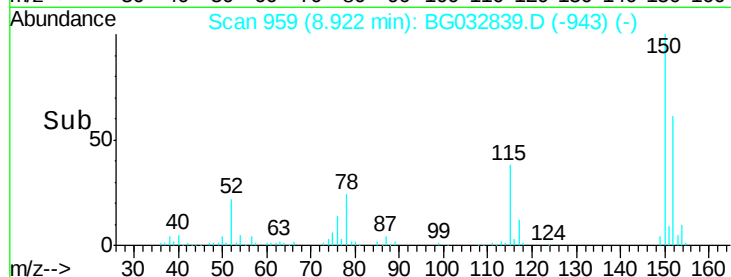
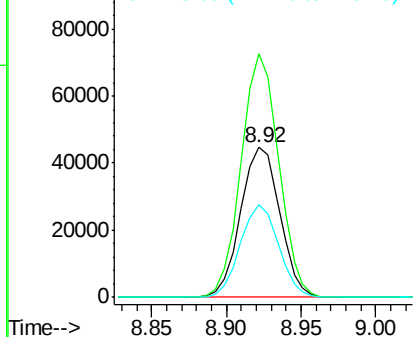
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 8.92 min Scan# 959
Delta R.T. -0.00 min
Lab File: BG032839.D
Acq: 27 Feb 2018 2:33

Instrument :
BNA_G
ClientSampled :

Tot Ion	Ratio	Lower	Upper
152	100		
150	162.8	126.6	189.8
115	62.3	53.0	79.4



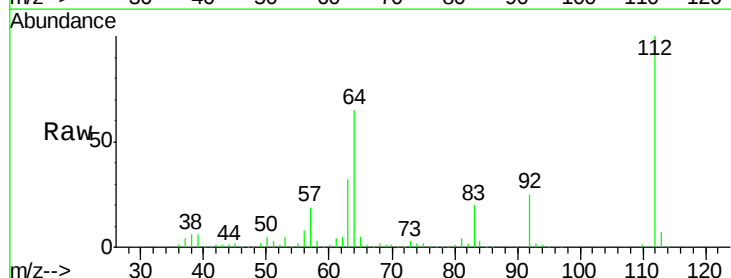
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



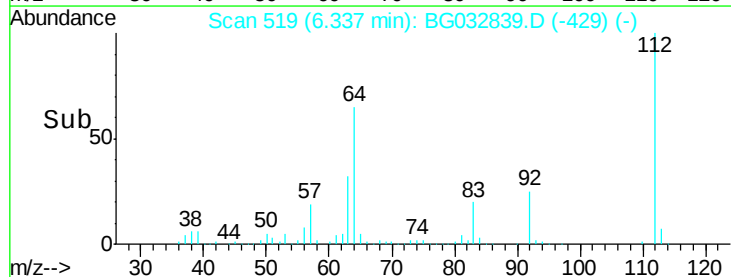
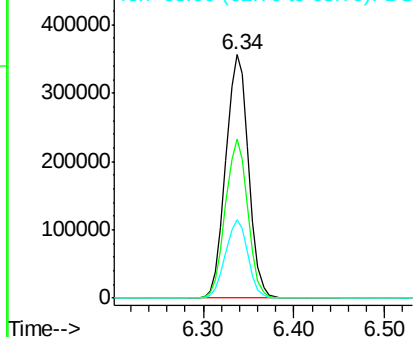
#5

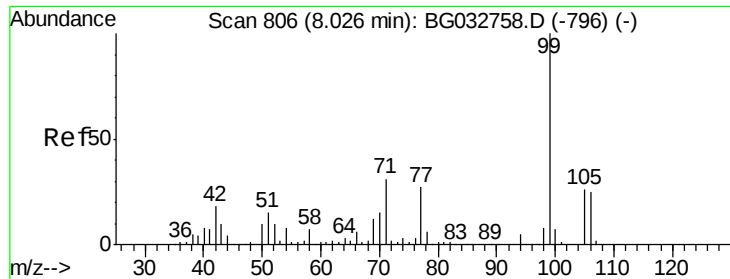
2-Fluorophenol
Concen: 122.27 ng
RT: 6.34 min Scan# 519
Delta R.T. 0.00 min
Lab File: BG032839.D
Acq: 27 Feb 2018 2:33

Tgt Ion	Ratio	Lower	Upper
112	100		
64	65.5	56.3	84.5
63	32.2	30.1	45.1



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





#7

Phenol-d6

Concen: 105.34 ng

RT: 8.02 min Scan# 805

Delta R.T. 0.00 min

Lab File: BG032839.D

Acq: 27 Feb 2018 2:33

Instrument :

BNA_G

ClientSampled :

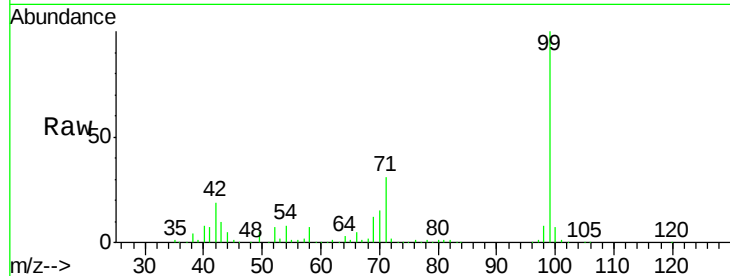
Tot Ion: 99 Resp: 744734

Ion Ratio Lower Upper

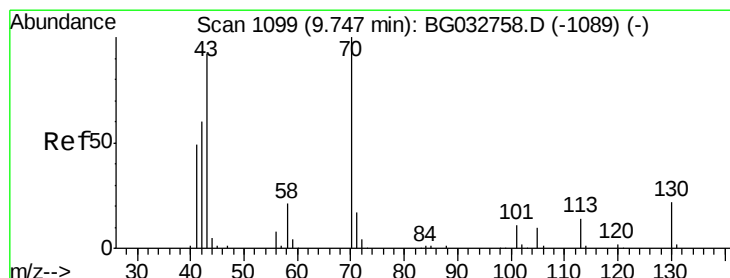
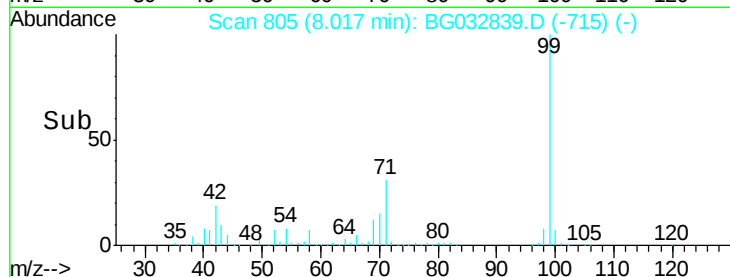
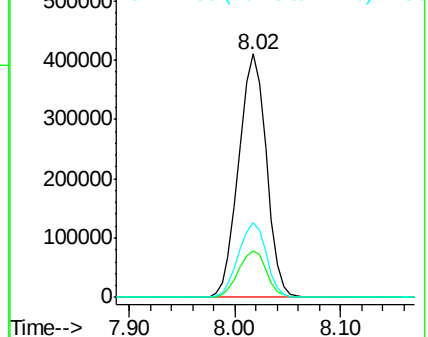
99 100

42 19.0 14.1 21.1

71 30.9 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: 13.23 ng

RT: 10.12 min Scan# 1163

Delta R.T. 0.38 min

Lab File: BG032839.D

Acq: 27 Feb 2018 2:33

Tgt Ion: 70 Resp: 66021

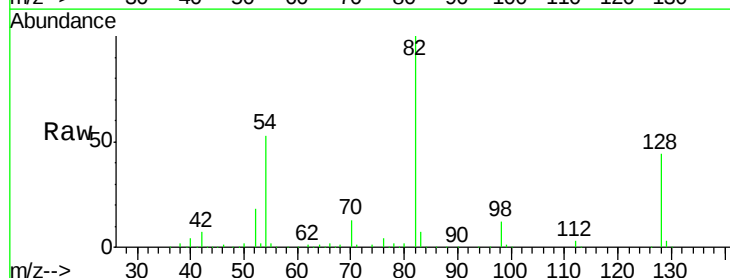
Ion Ratio Lower Upper

70 100

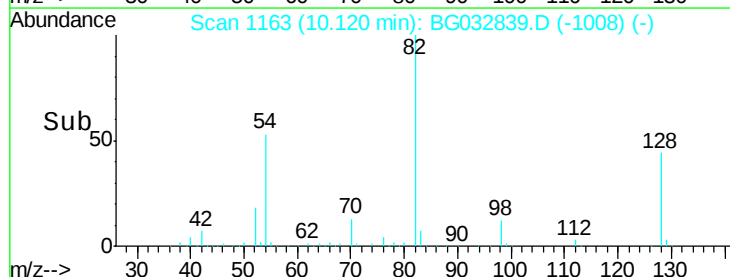
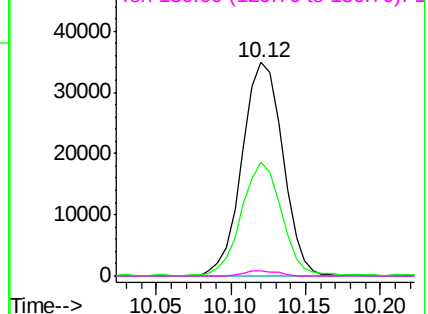
42 53.2 49.1 73.7

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

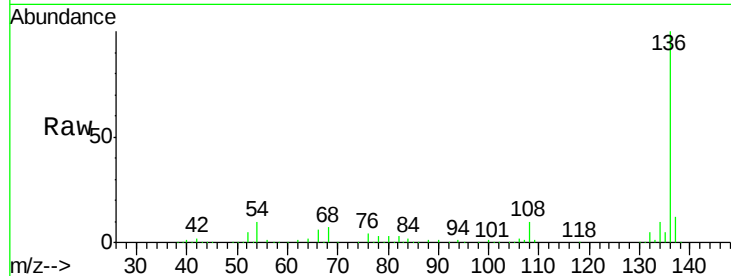




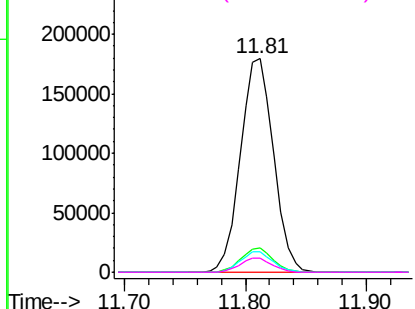
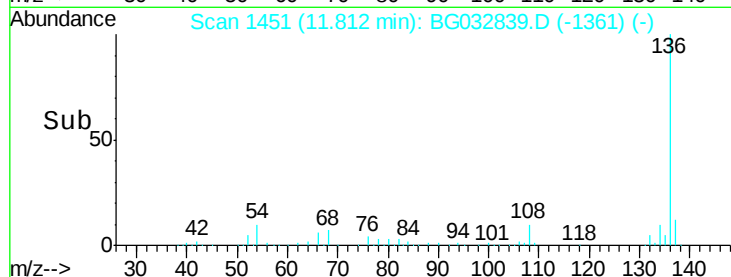
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 11.81 min Scan# 1451
Delta R.T. 0.00 min
Lab File: BG032839.D
Acq: 27 Feb 2018 2:33

Instrument :
BNA_G
ClientSampleId :

Tot Ion:136 Resp: 341622
Ion Ratio Lower Upper
136 100
137 11.6 9.2 13.8
54 9.6 10.3 15.5#
68 6.8 4.5 6.7#

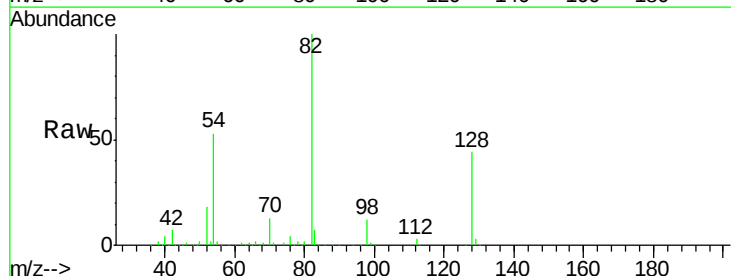


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

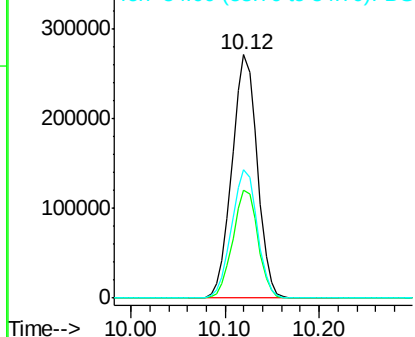
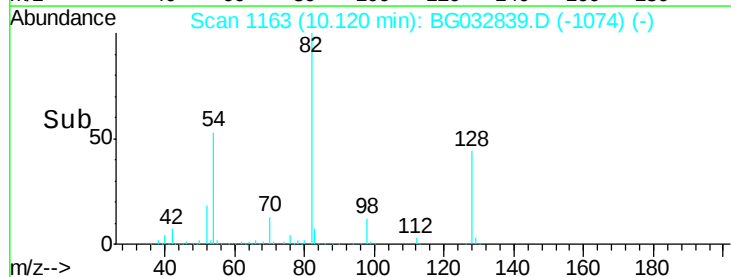


#23
Nitrobenzene-d5
Concen: 100.89 ng
RT: 10.12 min Scan# 1163
Delta R.T. -0.00 min
Lab File: BG032839.D
Acq: 27 Feb 2018 2:33

Tgt Ion: 82 Resp: 506968
Ion Ratio Lower Upper
82 100
128 44.2 29.7 44.5
54 52.7 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

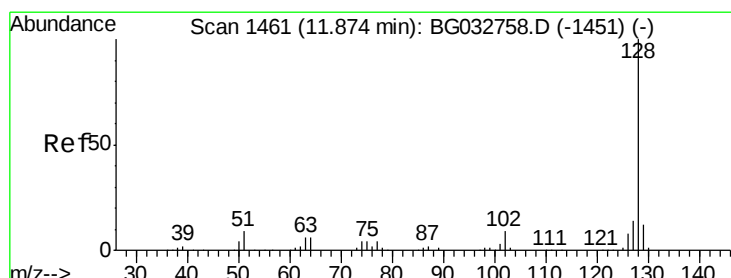
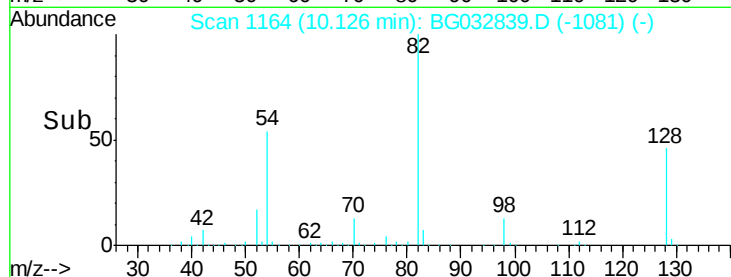
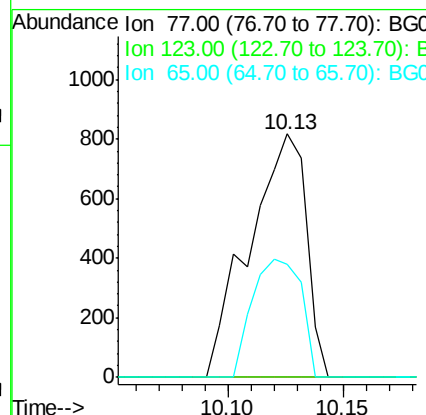
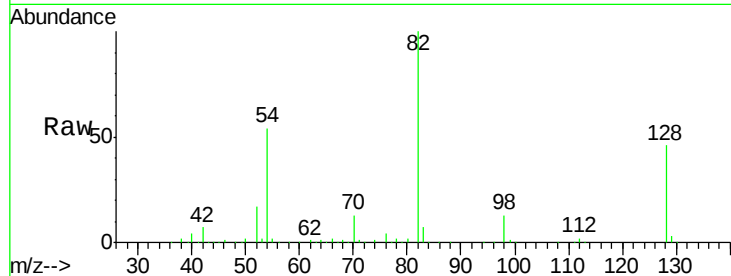




#24
Nitrobenzene
Concen: 6.60 ng
RT: 10.13 min Scan# 1164
Delta R.T. -0.04 min
Lab File: BG032839.D
Acq: 27 Feb 2018 2:33

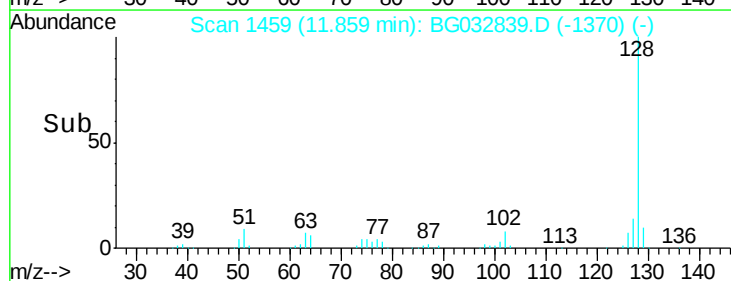
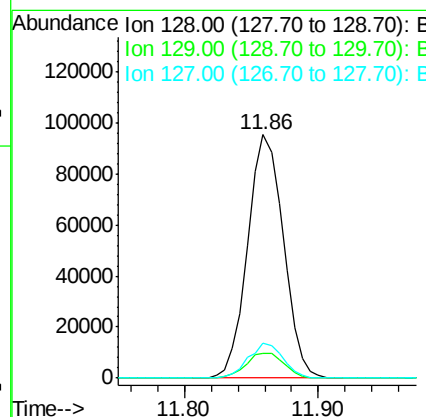
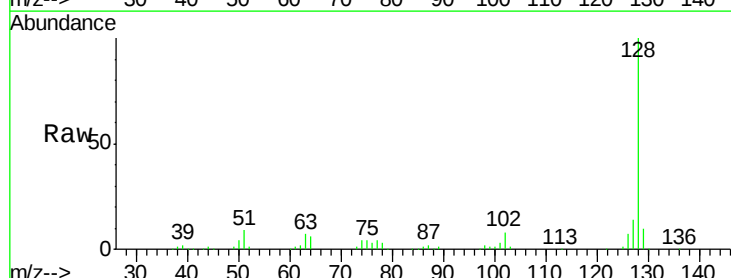
Instrument :
BNA_G
ClientSampleId :

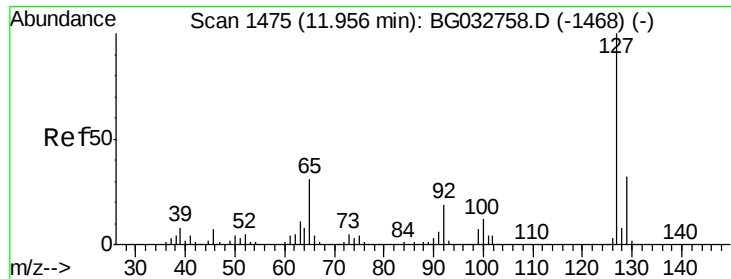
Tot Ion: 77 Resp: 1394
Ion Ratio Lower Upper
77 100
123 0.0 33.0 49.6#
65 46.2 13.0 19.6#



#31
Naphthalene
Concen: 9.87 ng
RT: 11.86 min Scan# 1459
Delta R.T. -0.00 min
Lab File: BG032839.D
Acq: 27 Feb 2018 2:33

Tgt Ion: 128 Resp: 176153
Ion Ratio Lower Upper
128 100
129 10.4 8.6 12.8
127 14.2 11.6 17.4

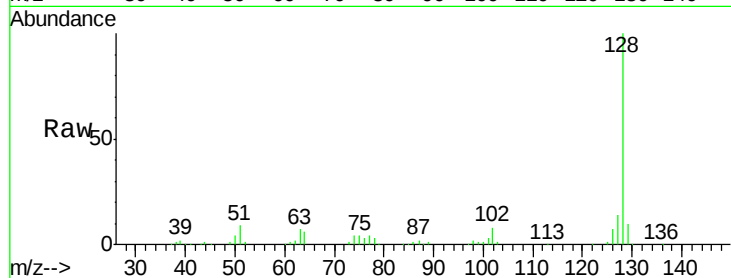




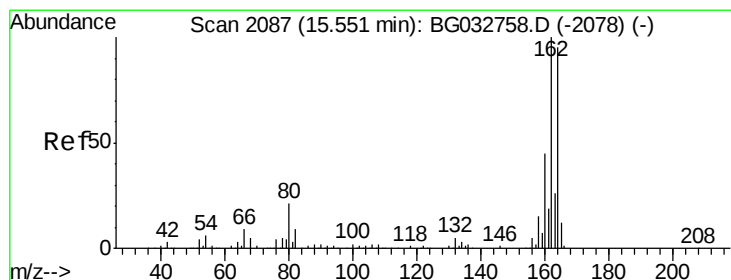
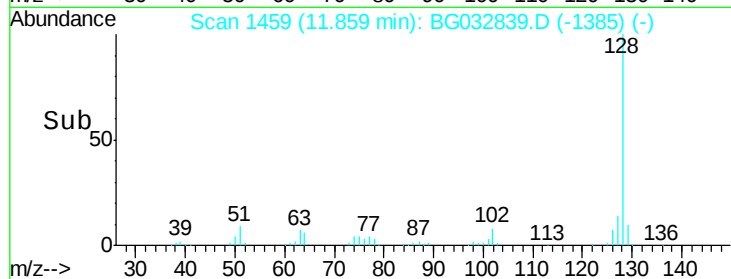
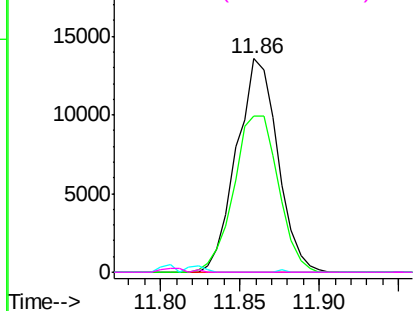
#33
4-Chloroaniline
Concen: 3.07 ng
RT: 11.86 min Scan# 1459
Delta R.T. -0.09 min
Lab File: BG032839.D
Acq: 27 Feb 2018 2:33

Instrument :
BNA_G
ClientSampleId :

Tot Ion:127	Resp:	24478
Ion Ratio	Lower	Upper
127	100	
129	73.2	24.0 36.0#
65	0.0	27.0 40.4#
92	0.0	16.6 25.0#

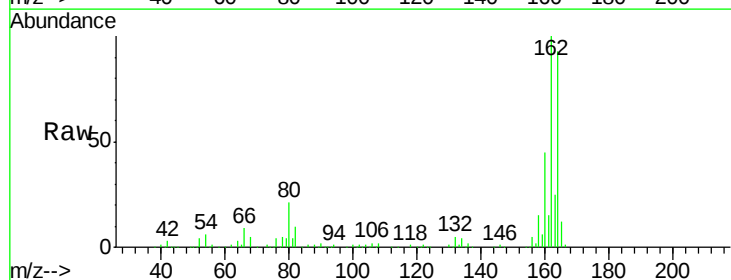


Abundance Ion 127.00 (126.70 to 127.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 65.00 (64.70 to 65.70): BGC
Ion 92.00 (91.70 to 92.70): BGC

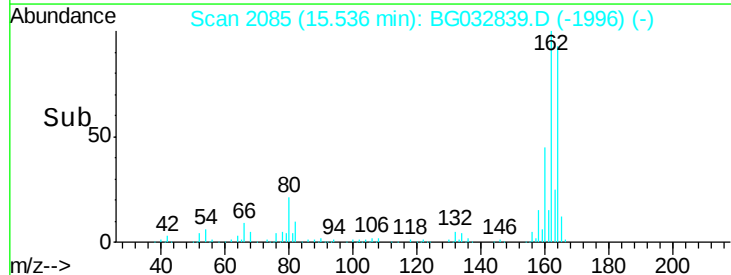
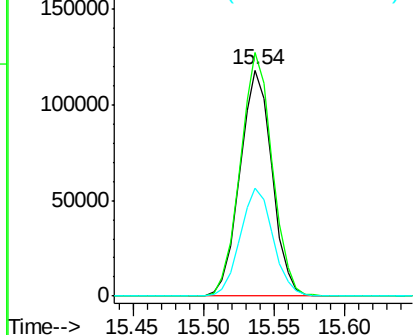


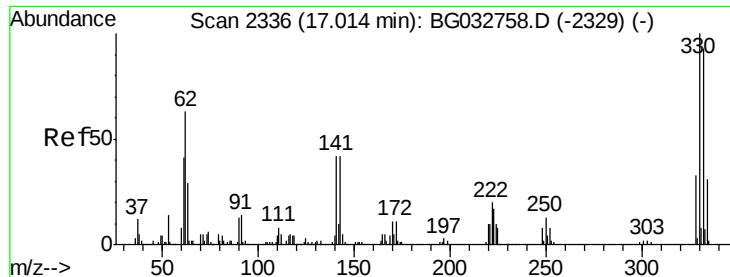
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 15.54 min Scan# 2085
Delta R.T. -0.00 min
Lab File: BG032839.D
Acq: 27 Feb 2018 2:33

Tgt Ion:164	Resp:	187080
Ion Ratio	Lower	Upper
164	100	
162	107.9	78.8 118.2
160	48.1	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

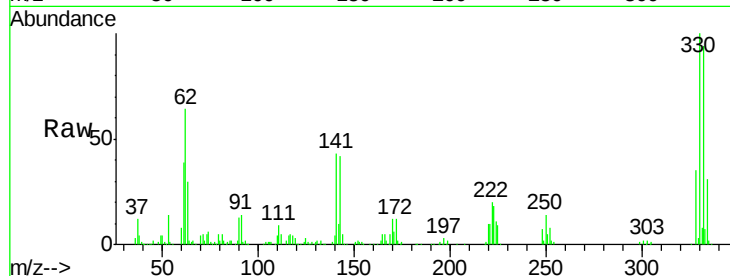




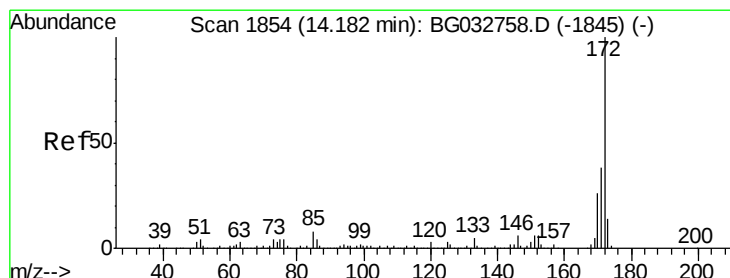
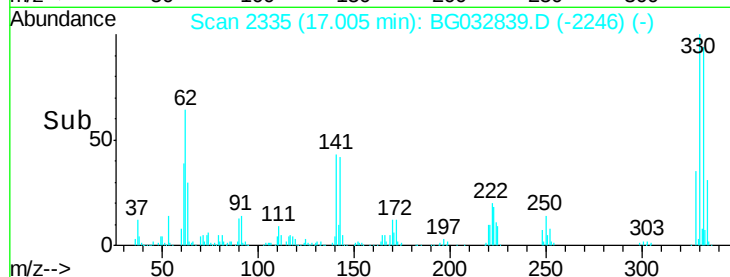
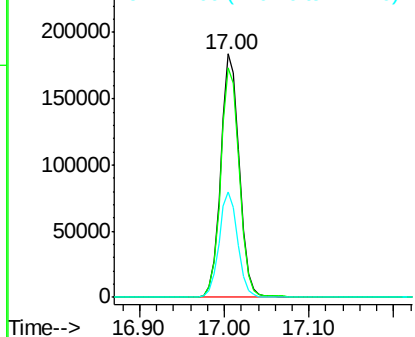
#41
 2,4,6-Tribromophenol
 Concen: 142.50 ng
 RT: 17.00 min Scan# 2335
 Delta R.T. -0.00 min
 Lab File: BG032839.D
 Acq: 27 Feb 2018 2:33

Instrument :
 BNA_G
 ClientSampled :

Tot Ion:330 Resp: 280303
 Ion Ratio Lower Upper
 330 100
 332 95.6 77.0 115.6
 141 43.7 25.2 37.8#

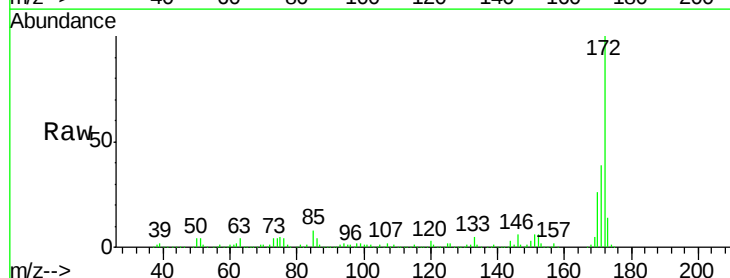


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

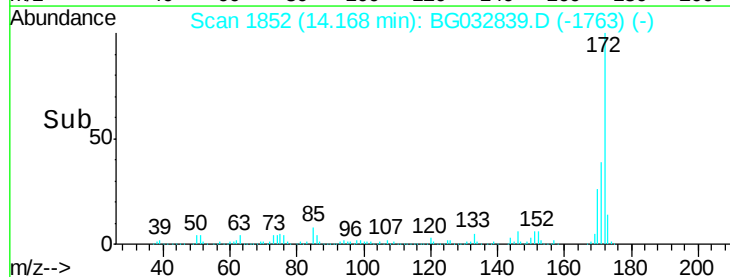
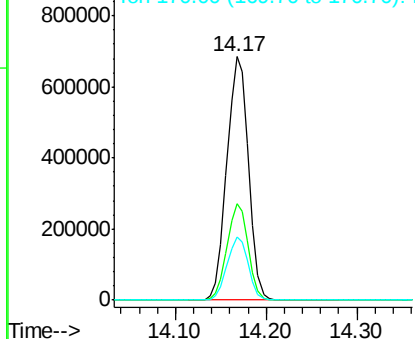


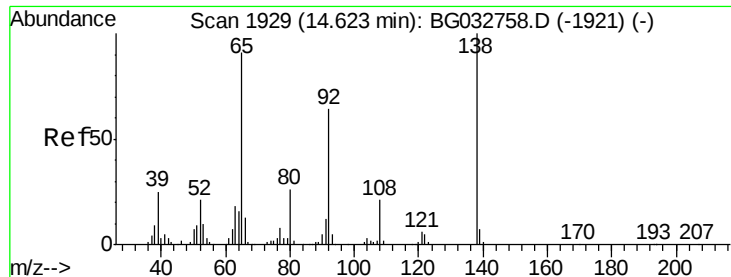
#44
 2-Fluorobiphenyl
 Concen: 87.02 ng
 RT: 14.17 min Scan# 1852
 Delta R.T. -0.00 min
 Lab File: BG032839.D
 Acq: 27 Feb 2018 2:33

Tgt Ion:172 Resp: 1128749
 Ion Ratio Lower Upper
 172 100
 171 39.4 30.0 45.0
 170 26.0 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

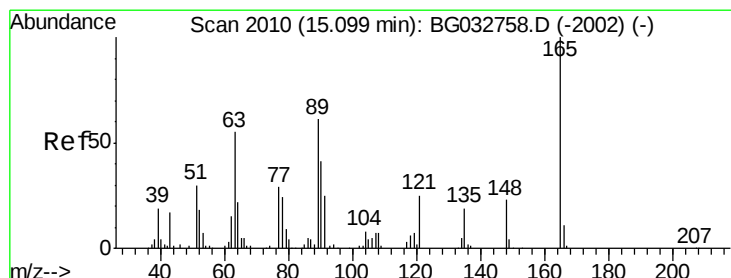
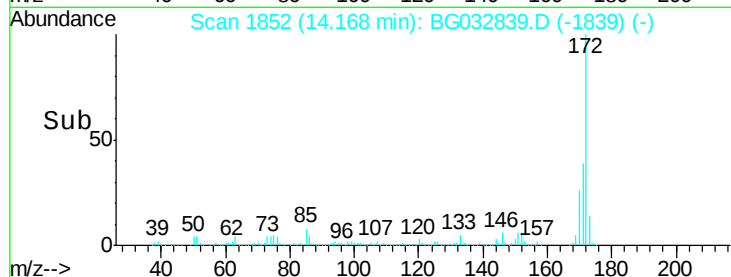
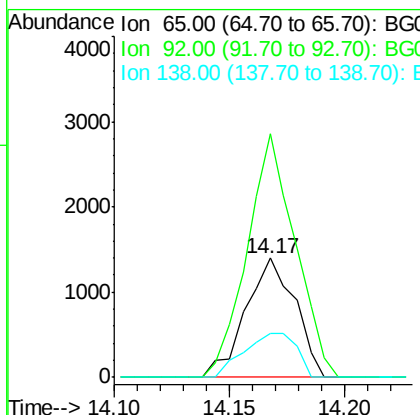
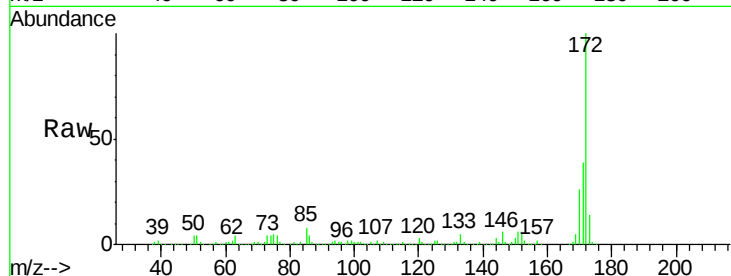




#47
2-Nitroaniline
Concen: 10.37 ng
RT: 14.17 min Scan# 1852
Delta R.T. -0.45 min
Lab File: BG032839.D
Acq: 27 Feb 2018 2:33

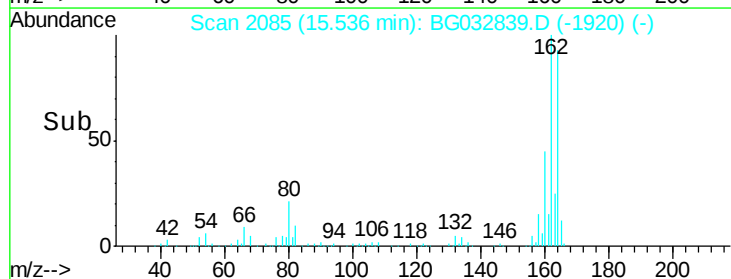
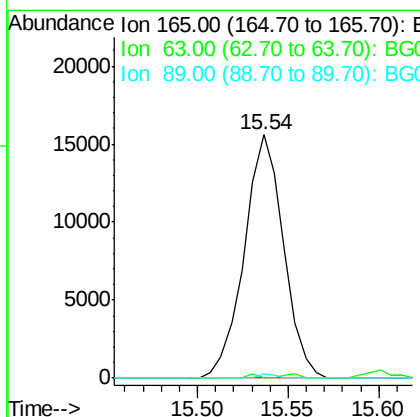
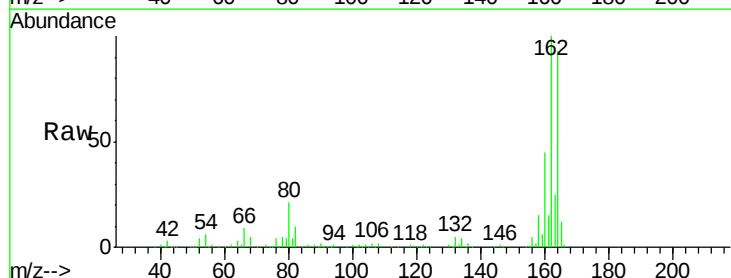
Instrument :
BNA_G
ClientSampled :

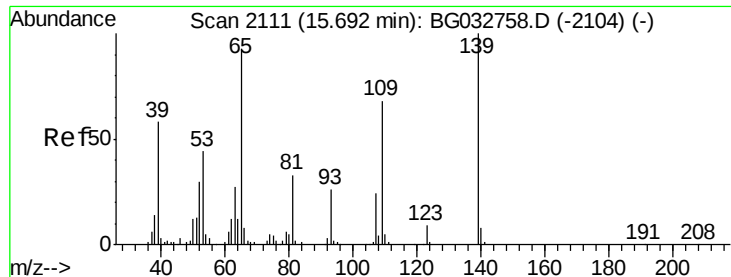
Tot Ion: 65 Resp: 2072
Ion Ratio Lower Upper
65 100
92 204.7 54.6 82.0#
138 37.0 72.9 109.3#



#50
2,6-Dinitrotoluene
Concen: 16.19 ng
RT: 15.54 min Scan# 2085
Delta R.T. 0.44 min
Lab File: BG032839.D
Acq: 27 Feb 2018 2:33

Tgt Ion:165 Resp: 23521
Ion Ratio Lower Upper
165 100
63 0.0 52.7 79.1#
89 1.7 49.2 73.8#





#55

4-Nitrophenol

Concen: 7.56 ng

RT: 15.92 min Scan# 2151

Delta R.T. 0.24 min

Lab File: BG032839.D

Acq: 27 Feb 2018 2:33

Instrument :

BNA_G

ClientSampleId :

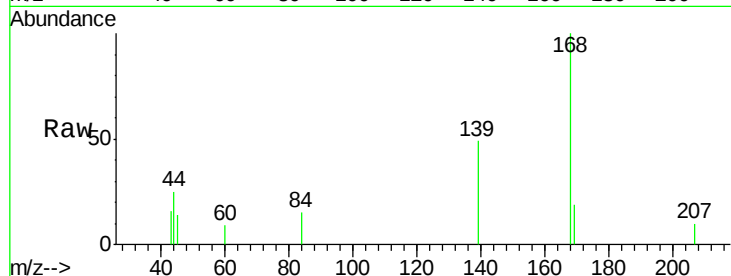
Tot Ion:139 Resp: 1380

Ion Ratio Lower Upper

139 100

109 0.0 62.2 102.2#

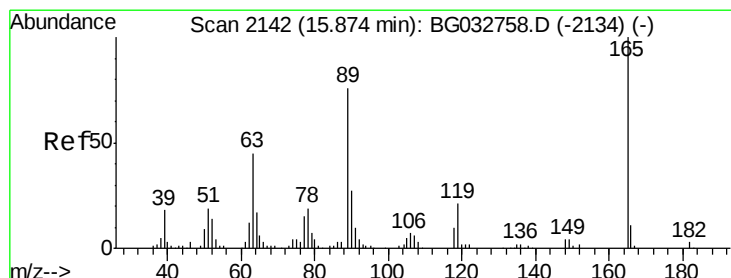
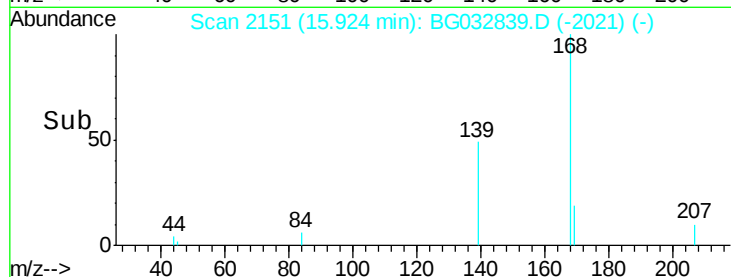
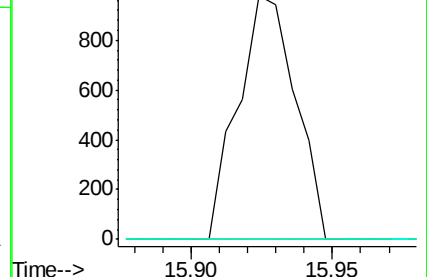
65 0.0 97.2 137.2#



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): BGC



#56

2,4-Dinitrotoluene

Concen: 14.38 ng

RT: 15.54 min Scan# 2085

Delta R.T. -0.33 min

Lab File: BG032839.D

Acq: 27 Feb 2018 2:33

Tgt Ion:165 Resp: 23521

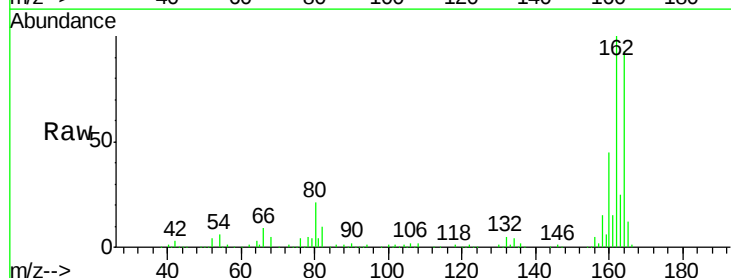
Ion Ratio Lower Upper

165 100

63 0.0 42.0 63.0#

89 1.7 66.9 100.3#

182 0.0 2.6 3.8#

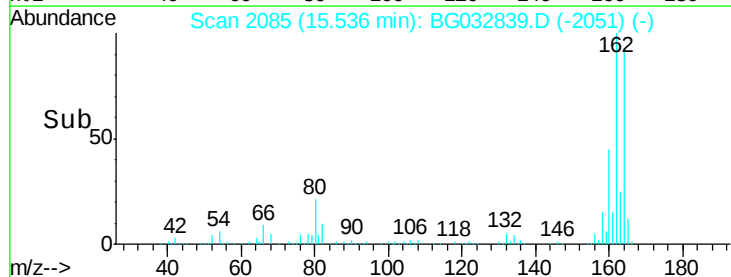
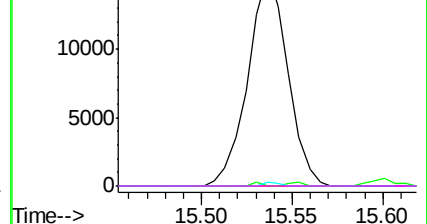


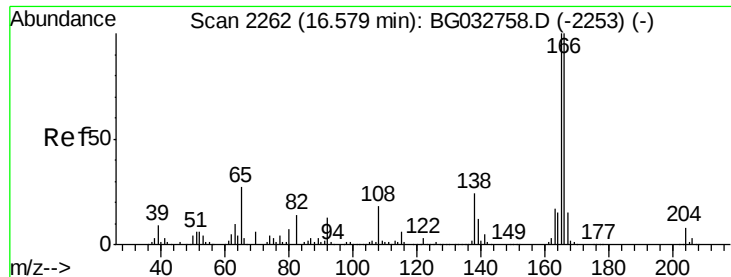
Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

Ion 89.00 (88.70 to 89.70): BGC

Ion 182.00 (181.70 to 182.70): E





#61

4-Nitroaniline

Concen: 5.31 ng

RT: 16.58 min Scan# 2262

Delta R.T. 0.00 min

Lab File: BG032839.D

Acq: 27 Feb 2018 2:33

Instrument :

BNA_G

ClientSampleId :

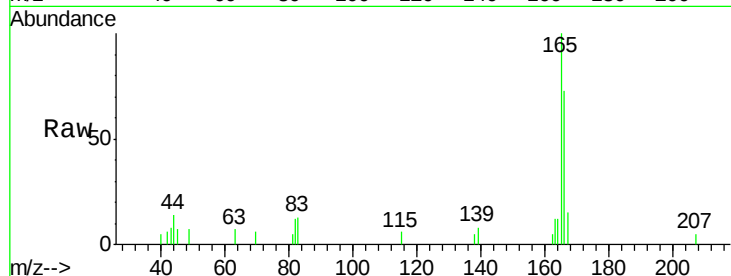
Tot Ion:138 Resp: 55

Ion Ratio Lower Upper

138 100

92 0.0 40.1 80.1#

108 0.0 65.4 105.4#

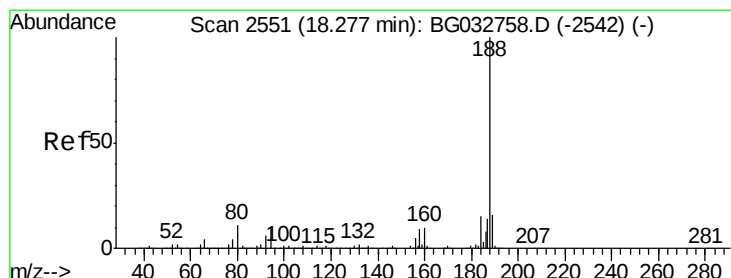
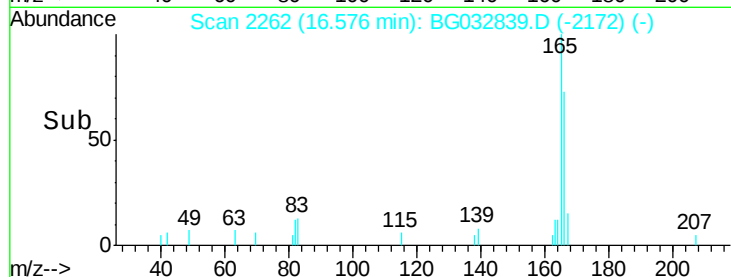
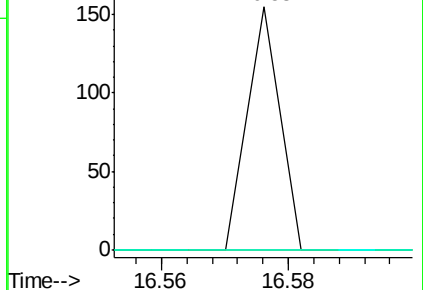


Abundance Ion 138.00 (137.70 to 138.70): E

Ion 92.00 (91.70 to 92.70): BGC

Ion 108.00 (107.70 to 108.70): E

16.58



#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 18.26 min Scan# 2549

Delta R.T. -0.00 min

Lab File: BG032839.D

Acq: 27 Feb 2018 2:33

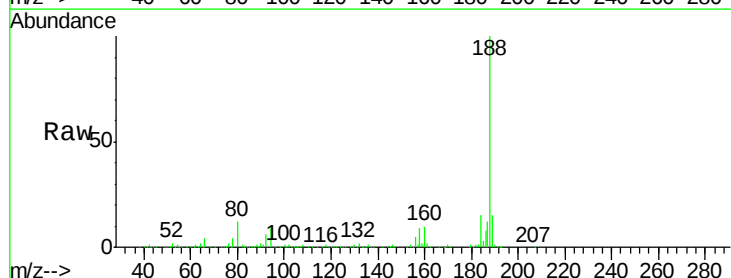
Tgt Ion:188 Resp: 431577

Ion Ratio Lower Upper

188 100

94 10.2 6.9 10.3

80 11.7 7.7 11.5#

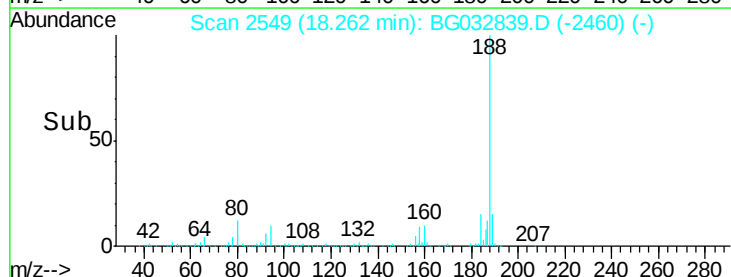
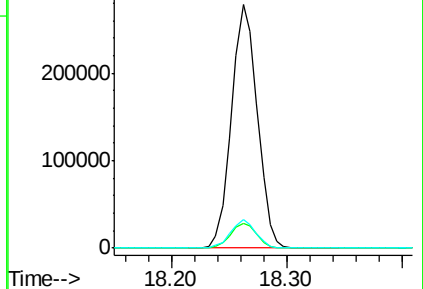


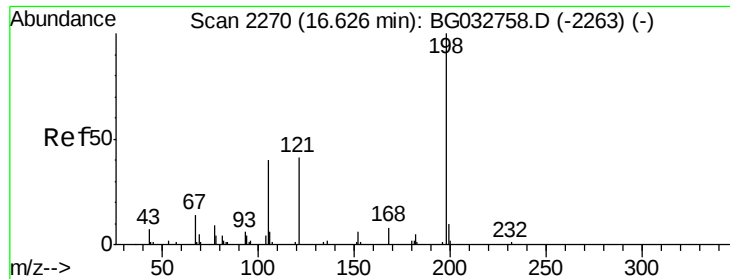
Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC

18.26





#64

4,6-Dinitro-2-methylphenol

Concen: 5.65 ng

RT: 17.00 min Scan# 2335

Delta R.T. 0.38 min

Lab File: BG032839.D

Acq: 27 Feb 2018 2:33

Instrument :

BNA_G

ClientSampleId :

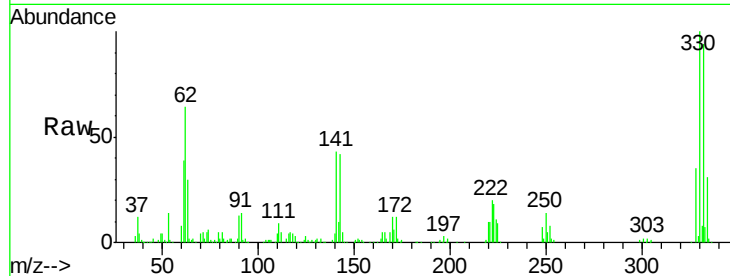
Tot Ion:198 Resp: 716

Ion Ratio Lower Upper

198 100

51 150.4 30.6 70.6#

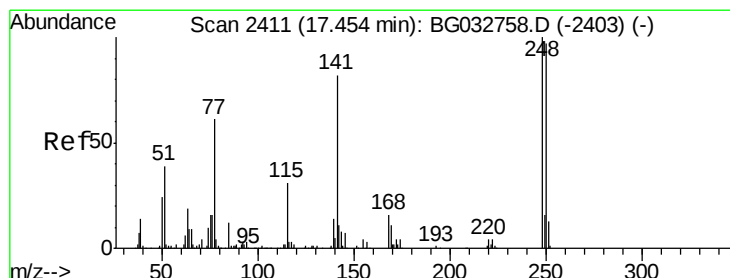
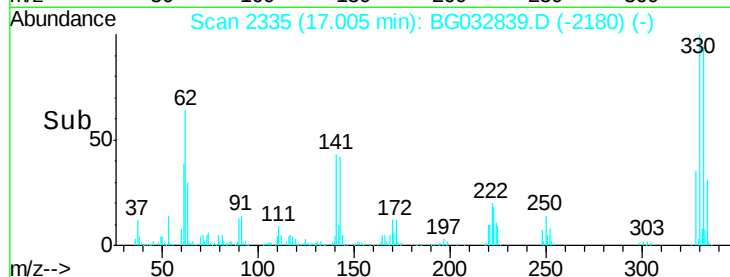
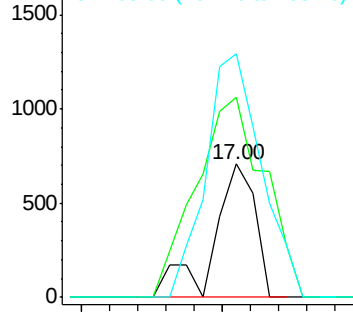
105 182.7 23.8 63.8#



Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BG032758.D (-2263) (-)

Ion 105.00 (104.70 to 105.70): E



#66

4-Bromophenyl-phenylether

Concen: 4.37 ng

RT: 17.00 min Scan# 2335

Delta R.T. -0.44 min

Lab File: BG032839.D

Acq: 27 Feb 2018 2:33

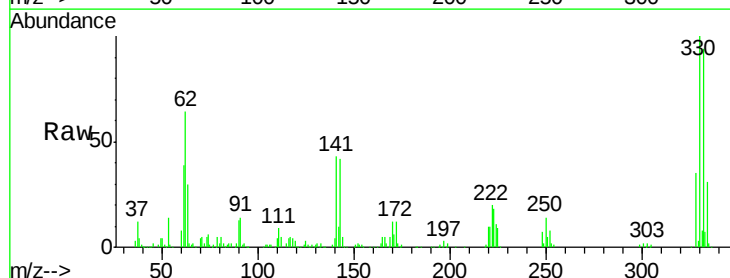
Tgt Ion:248 Resp: 19933

Ion Ratio Lower Upper

248 100

250 196.3 77.1 115.7#

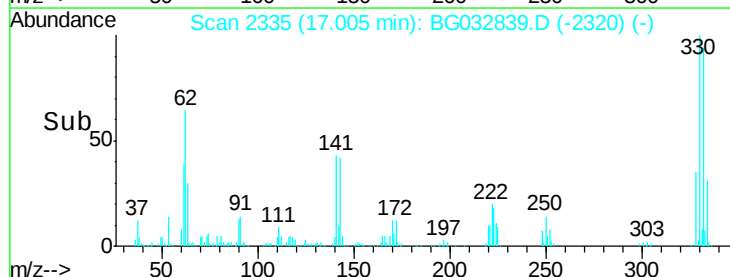
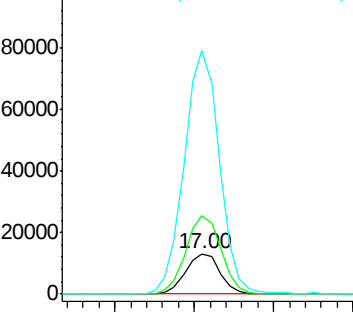
141 605.2 50.8 76.2#

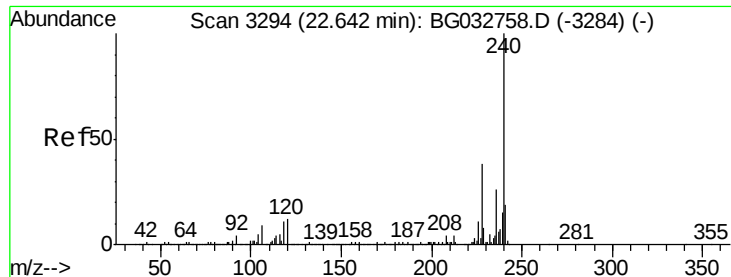


Abundance Ion 248.00 (247.70 to 248.70): E

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# 3291

Delta R.T. -0.01 min

Lab File: BG032839.D

Acq: 27 Feb 2018 2:33

Instrument :

BNA_G

ClientSampleId :

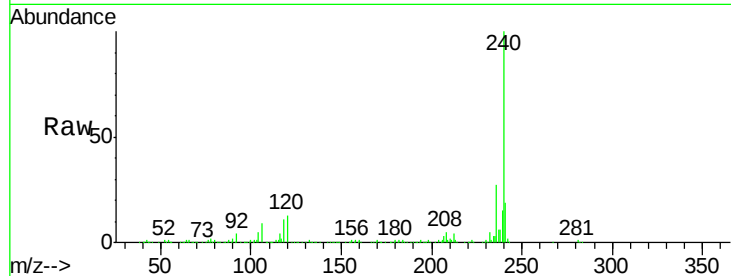
Tot Ion:240 Resp: 401188

Ion Ratio Lower Upper

240 100

120 13.0 6.8 10.2#

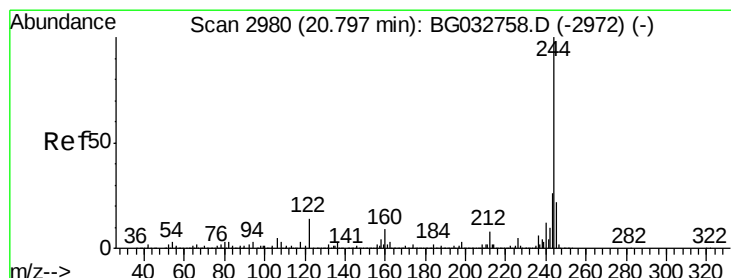
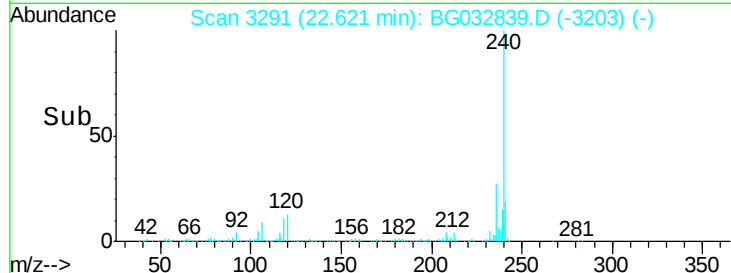
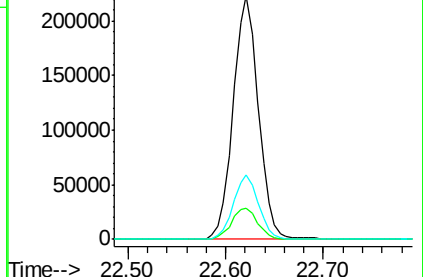
236 26.6 20.9 31.3



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



#78

Terphenyl-d14

Concen: 85.34 ng

RT: 20.78 min Scan# 2978

Delta R.T. -0.00 min

Lab File: BG032839.D

Acq: 27 Feb 2018 2:33

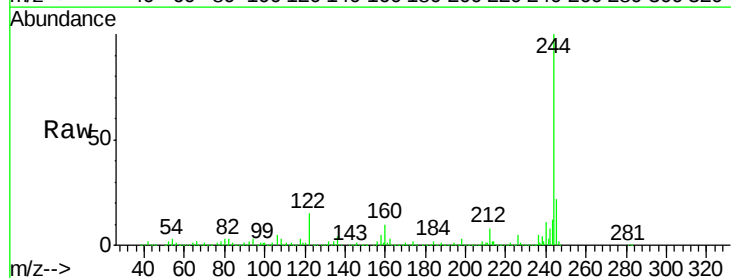
Tgt Ion:244 Resp: 1523790

Ion Ratio Lower Upper

244 100

212 8.2 5.8 8.8

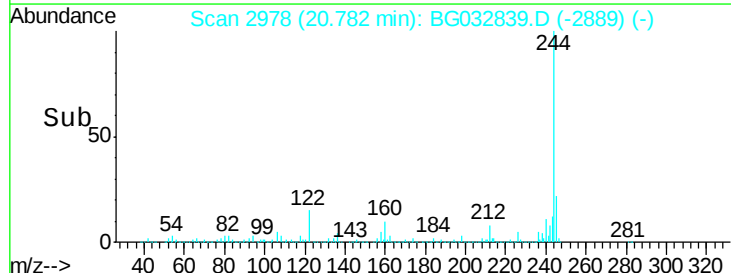
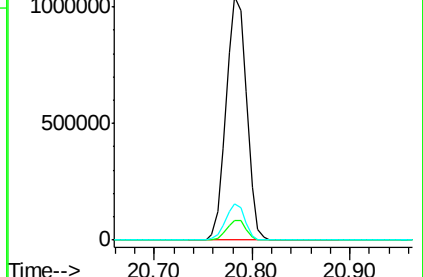
122 14.7 7.0 10.4#

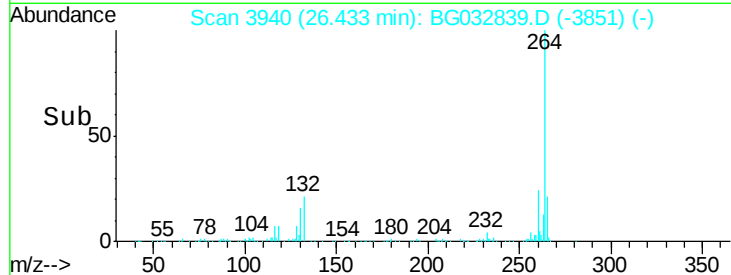
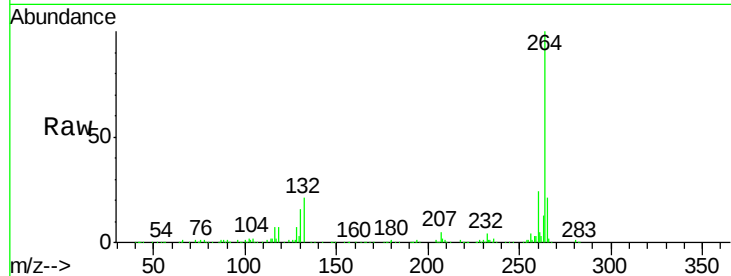
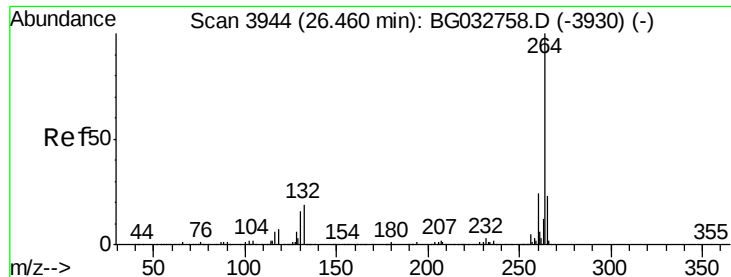


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#86
 Pervlene-d12
 Concen: 20.00 ng
 RT: 26.43 min Scan# 3940
 Delta R.T. -0.00 min
 Lab File: BG032839.D
 Acq: 27 Feb 2018 2:33

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.4	17.4	26.0
265	21.0	17.7	26.5

