

Data Path : Z:\HPCHEM1\BNA G\DATA\BG031318\
 Data File : BG033124.D
 Acq On : 13 Mar 2018 18:19
 Operator : SJ/JU
 Sample : J1873-10
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Mar 13 23:19:03 2018
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG022118.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Mar 09 15:10:14 2018
 Response via : Initial Calibration

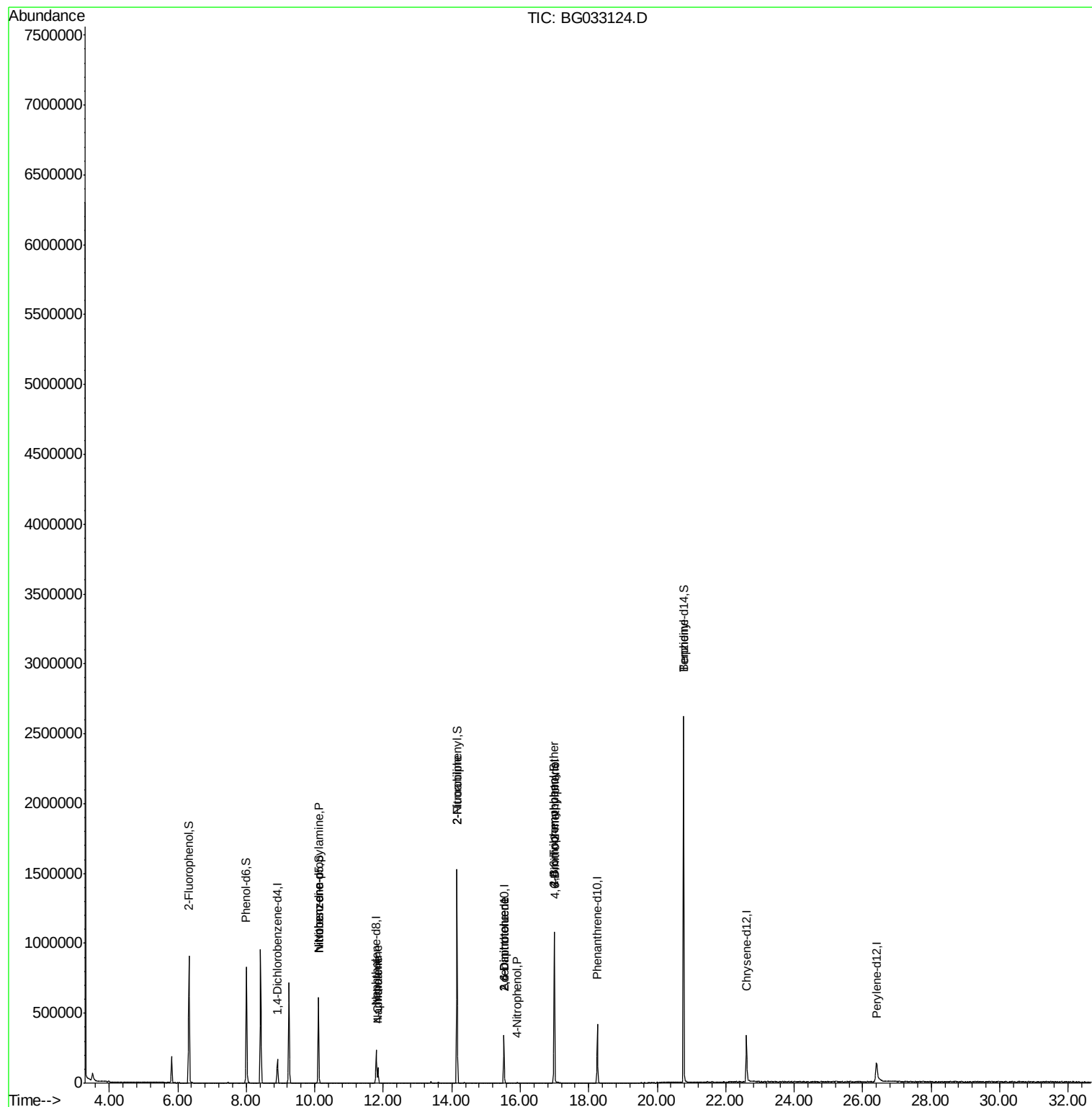
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.91	152	48567	20.00	ng	0.00
21) Naphthalene-d8	11.79	136	211482	20.00	ng	0.00
38) Acenaphthene-d10	15.52	164	113414	20.00	ng	0.00
63) Phenanthrene-d10	18.25	188	254917	20.00	ng	0.00
75) Chrysene-d12	22.60	240	249561	20.00	ng	0.00
86) Perylene-d12	26.40	264	213839	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	6.32	112	408054	134.42	ng	0.00
7) Phenol-d6	8.00	99	495595	117.12	ng	0.00
23) Nitrobenzene-d5	10.11	82	372672	117.94	ng	0.00
41) 2,4,6-Tribromophenol	16.99	330	205689	172.48	ng	0.00
44) 2-Fluorobiphenyl	14.16	172	785882	99.94	ng	0.00
78) Terphenyl-d14	20.77	244	1217899	109.64	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	10.11	70	49900	16.704	ng	# 84
24) Nitrobenzene	10.11	77	1187	6.686	ng	# 48
31) Naphthalene	11.85	128	96066	8.693	ng	# 98
33) 4-Chloroaniline	11.85	127	13489	2.730	ng	# 40
47) 2-Nitroaniline	14.16	65	1525	10.485	ng	# 1
50) 2,6-Dinitrotoluene	15.52	165	14932	16.530	ng	# 20
55) 4-Nitrophenol	15.92	139	1038	7.680	ng	# 1
56) 2,4-Dinitrotoluene	15.52	165	14932	14.728	ng	# 18
64) 4,6-Dinitro-2-methylphenol	17.00	198	475	5.740	ng	# 1
66) 4-Bromophenyl-phenylether	16.99	248	14172	5.258	ng	# 1
76) Benzidine	20.77	184	20749	2.439	ng	# 94

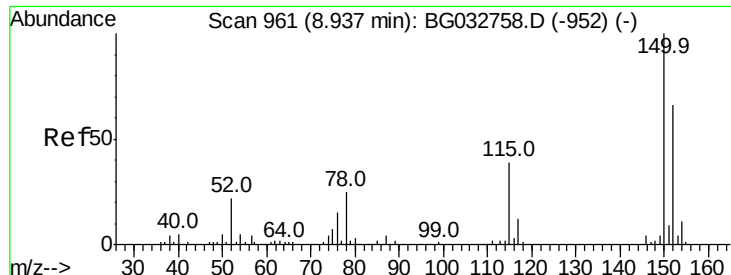
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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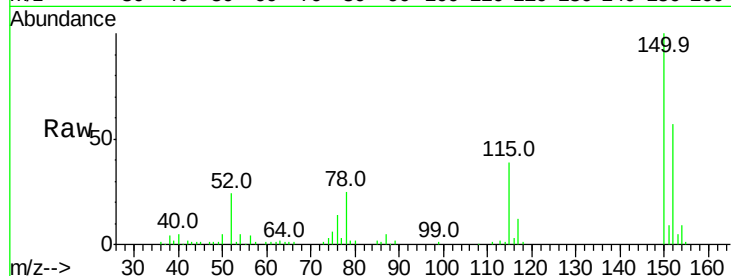


#1

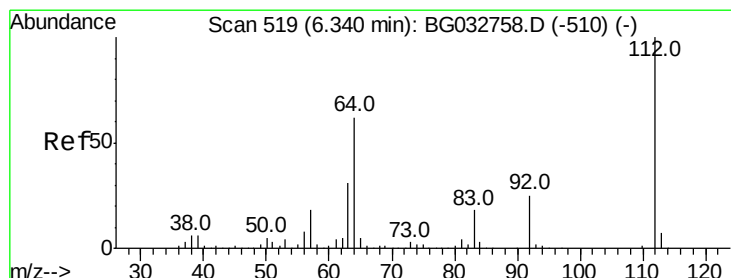
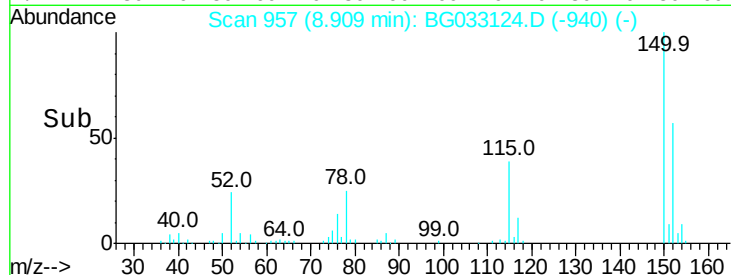
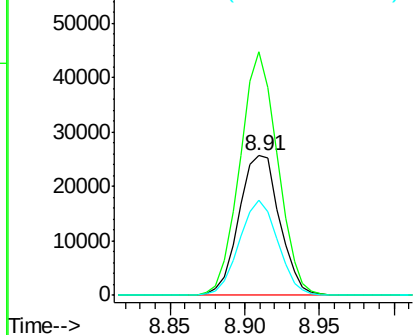
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.91 min Scan# 957
Delta R.T. 0.00 min
Lab File: BG033124.D
Acq: 13 Mar 2018 18:19

Instrument :
BNA_G
ClientSampled :

Tot Ion:152 Resp: 48567
Ion Ratio Lower Upper
152 100
150 174.7 126.6 189.8
115 68.3 53.0 79.4



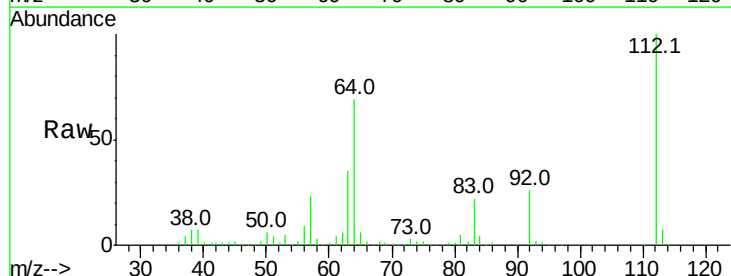
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



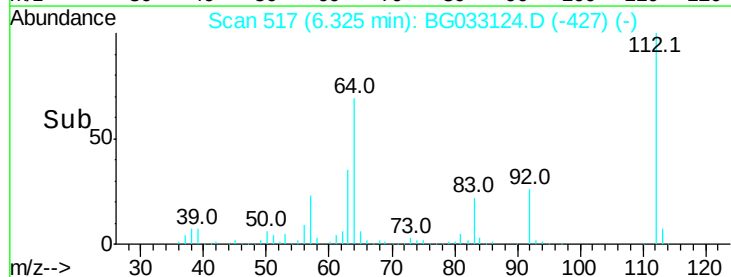
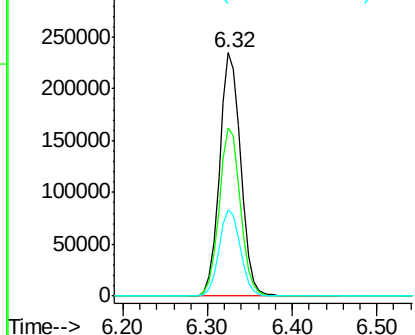
#5

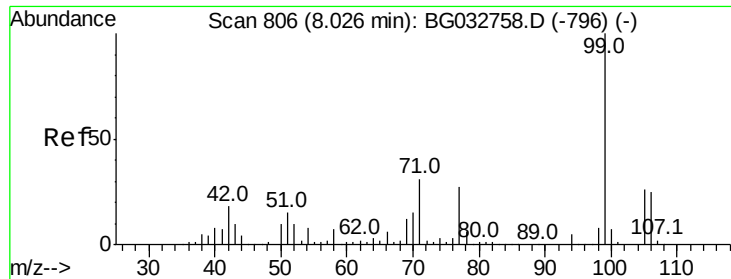
2-Fluorophenol
Concen: 134.418 ng
RT: 6.32 min Scan# 517
Delta R.T. 0.00 min
Lab File: BG033124.D
Acq: 13 Mar 2018 18:19

Tgt Ion:112 Resp: 408054
Ion Ratio Lower Upper
112 100
64 69.3 56.3 84.5
63 35.3 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: 117.124 ng

RT: 8.00 min Scan# 803

Delta R.T. 0.00 min

Lab File: BG033124.D

Acq: 13 Mar 2018 18:19

Instrument :

BNA_G

ClientSampleId :

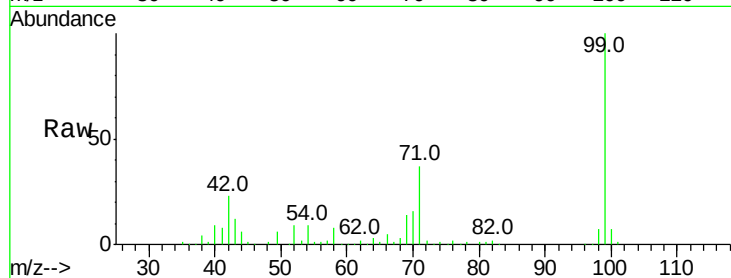
Tot Ion: 99 Resp: 495595

Ion Ratio Lower Upper

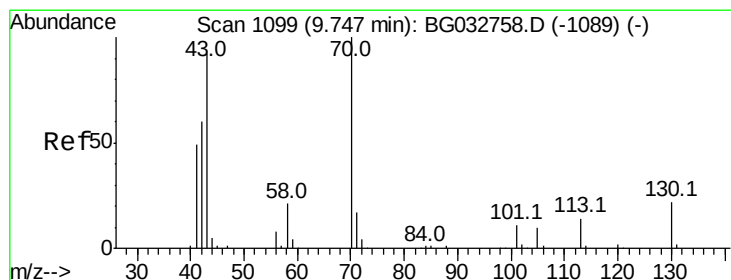
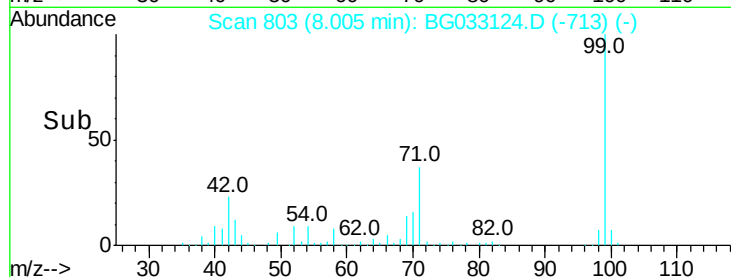
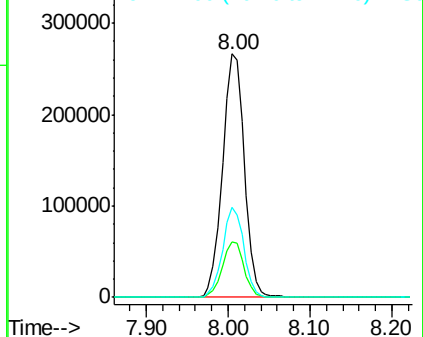
99 100

42 22.6 14.1 21.1#

71 36.9 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: 16.704 ng

RT: 10.11 min Scan# 1161

Delta R.T. 0.39 min

Lab File: BG033124.D

Acq: 13 Mar 2018 18:19

Tgt Ion: 70 Resp: 49900

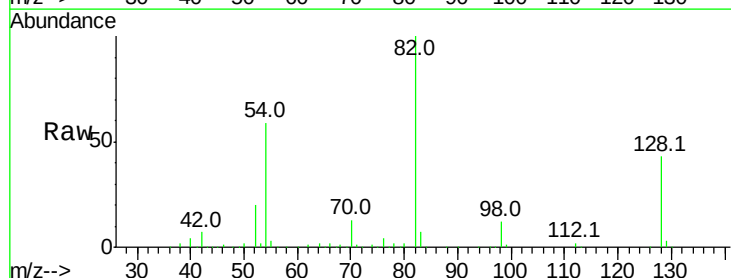
Ion Ratio Lower Upper

70 100

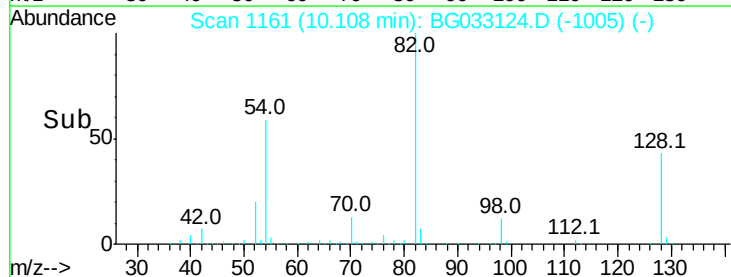
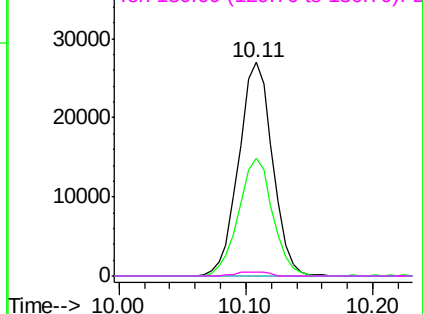
42 54.9 49.1 73.7

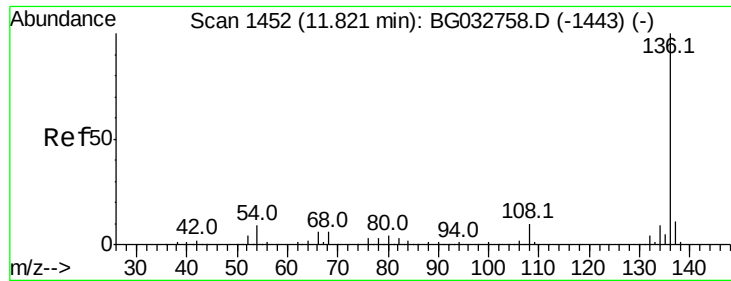
101 0.0 8.5 12.7#

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

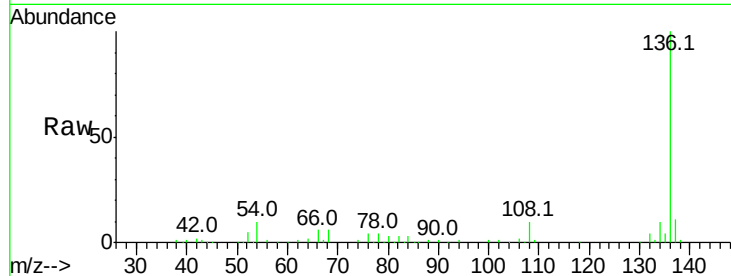




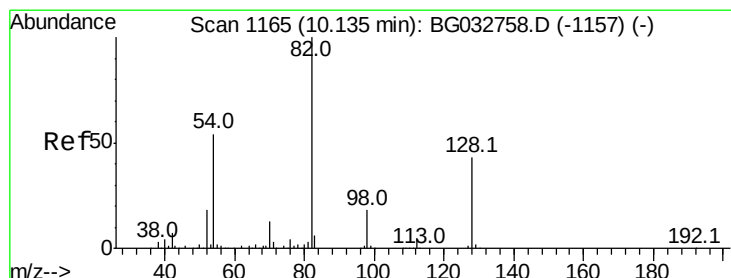
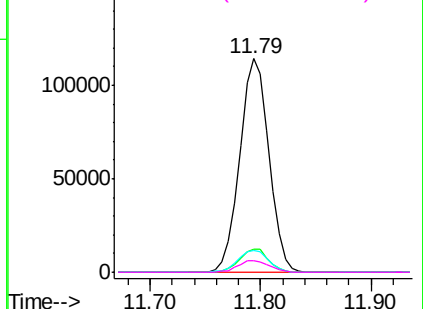
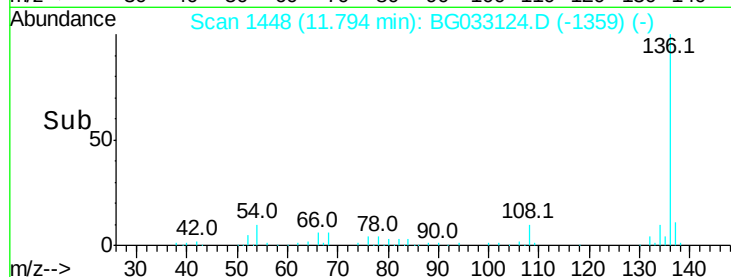
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.79 min Scan# 1448
Delta R.T. -0.01 min
Lab File: BG033124.D
Acq: 13 Mar 2018 18:19

Instrument :
BNA_G
ClientSampleId :

Tot Ion:	136	Resp:	211482
Ion	Ratio	Lower	Upper
136	100		
137	10.7	9.2	13.8
54	10.4	10.3	15.5
68	5.7	4.5	6.7

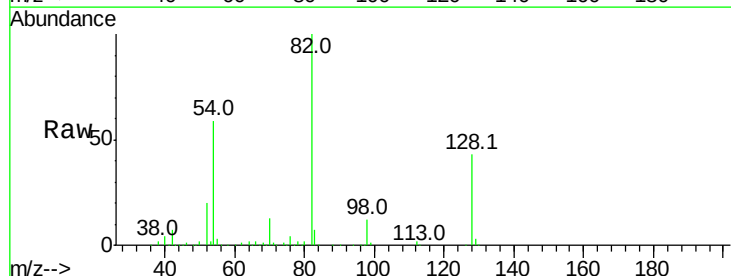


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

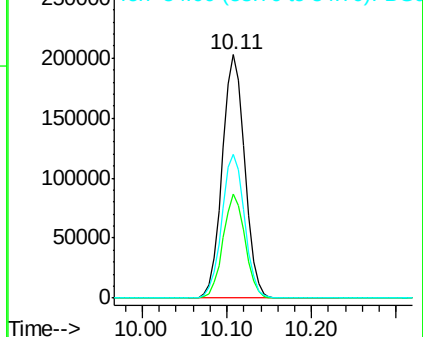
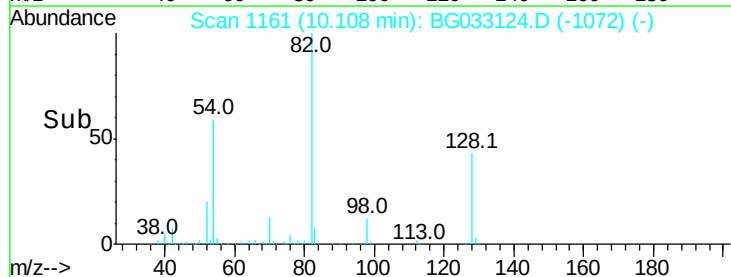


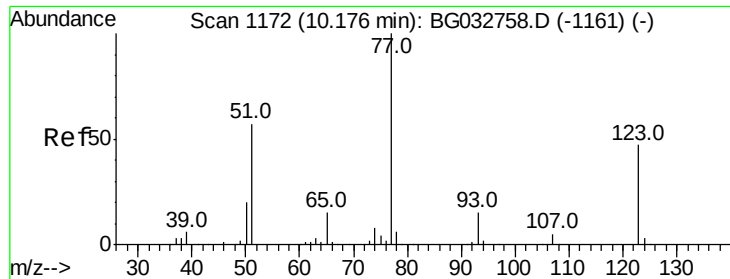
#23
Nitrobenzene-d5
Concen: 117.939 ng
RT: 10.11 min Scan# 1161
Delta R.T. -0.01 min
Lab File: BG033124.D
Acq: 13 Mar 2018 18:19

Tgt Ion:	82	Resp:	372672
Ion	Ratio	Lower	Upper
82	100		
128	42.8	29.7	44.5
54	59.0	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: 6.686 ng

RT: 10.11 min Scan# 1161

Delta R.T. -0.05 min

Lab File: BG033124.D

Acq: 13 Mar 2018 18:19

Instrument :

BNA_G

ClientSampleId :

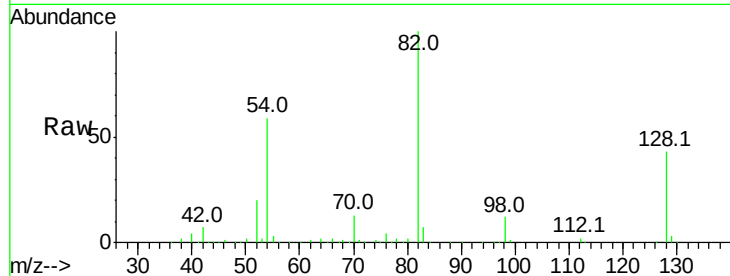
Tot Ion: 77 Resp: 1187

Ion Ratio Lower Upper

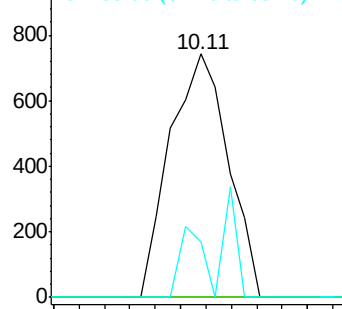
77 100

123 0.0 33.0 49.6#

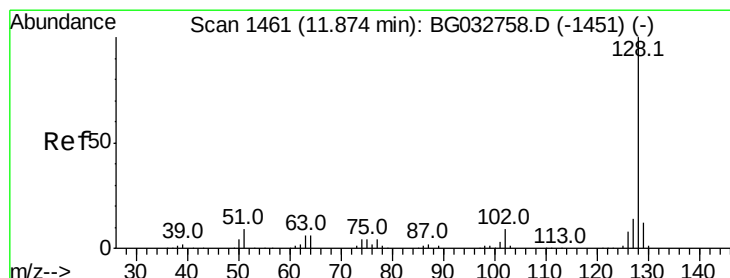
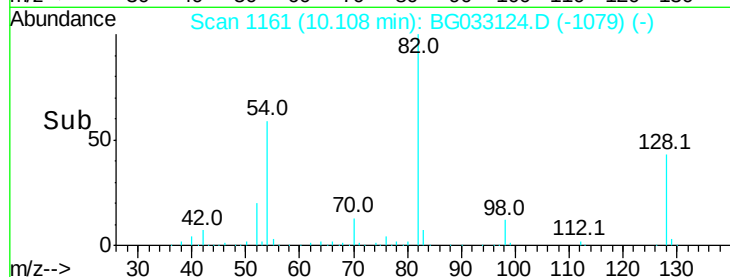
65 23.0 13.0 19.6#



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



Time--> 10.05 10.10 10.15



#31

Naphthalene

Concen: 8.693 ng

RT: 11.85 min Scan# 1457

Delta R.T. 0.00 min

Lab File: BG033124.D

Acq: 13 Mar 2018 18:19

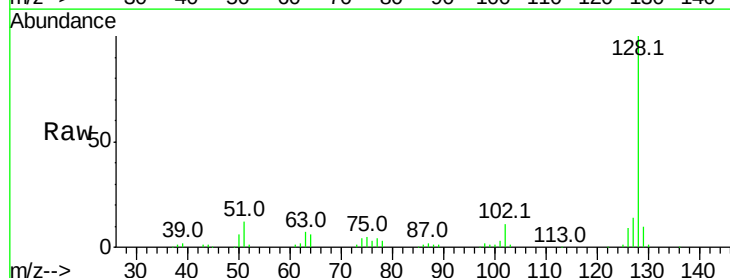
Tgt Ion: 128 Resp: 96066

Ion Ratio Lower Upper

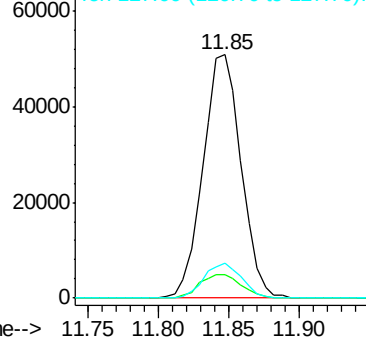
128 100

129 9.8 8.6 12.8

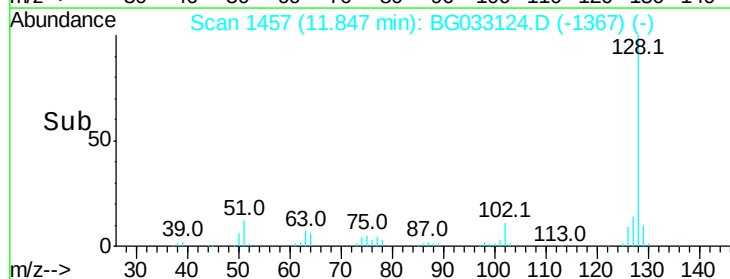
127 14.2 11.6 17.4

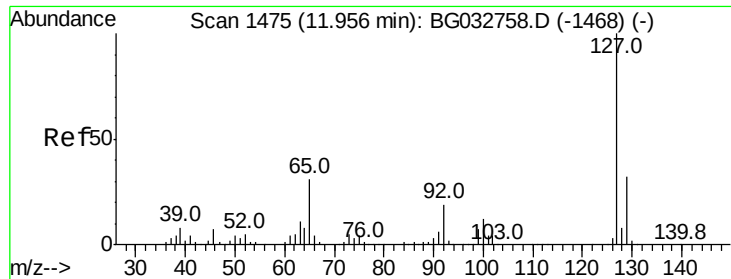


Abundance Ion 128.00 (127.70 to 128.70): BGC
Ion 129.00 (128.70 to 129.70): BGC
Ion 127.00 (126.70 to 127.70): BGC



Time--> 11.75 11.80 11.85 11.90

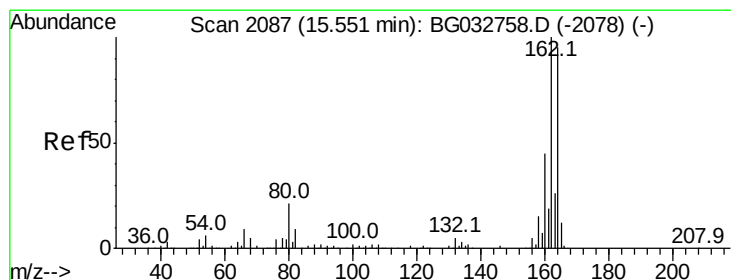
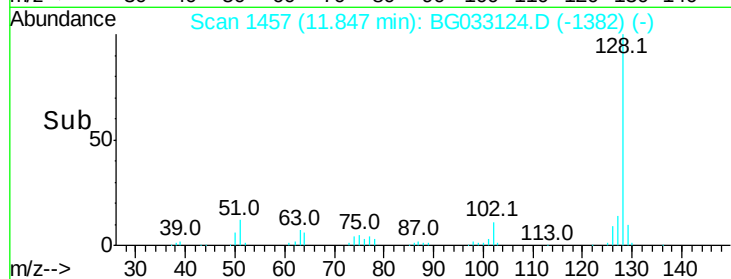
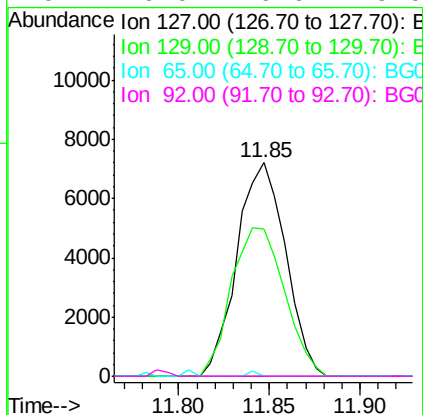
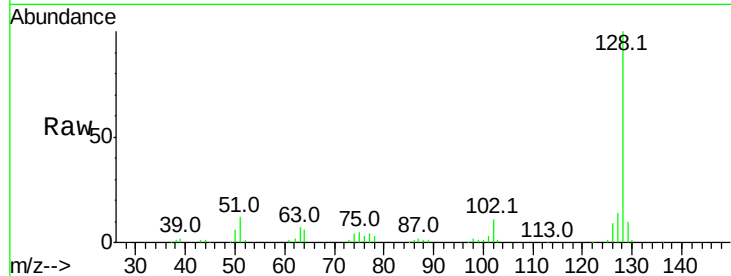




#33
4-Chloroaniline
Concen: 2.730 ng
RT: 11.85 min Scan# 1457
Delta R.T. -0.09 min
Lab File: BG033124.D
Acq: 13 Mar 2018 18:19

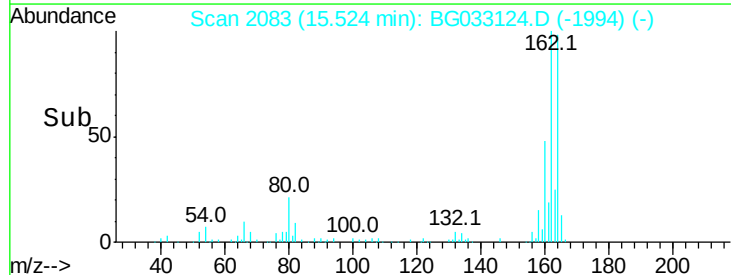
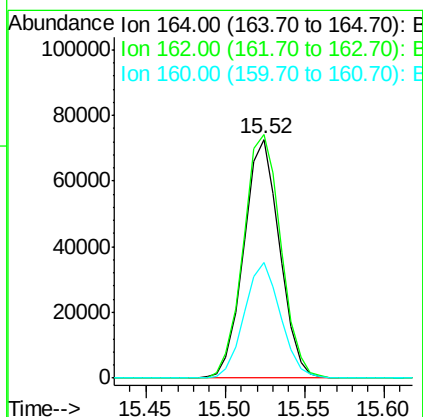
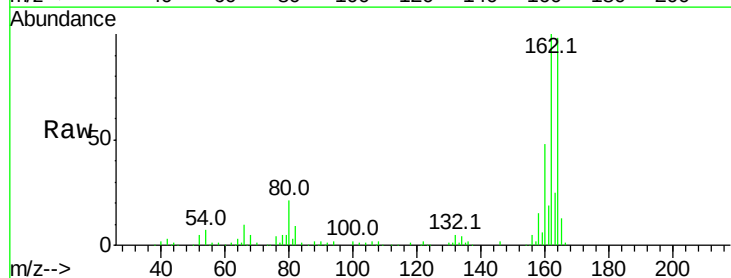
Instrument :
BNA_G
ClientSampleId :

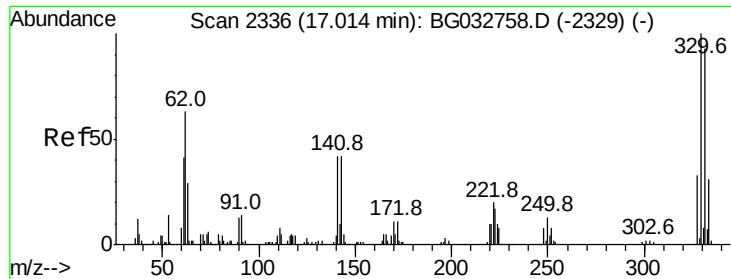
Tot Ion:127	Resp:	13489
Ion Ratio	Lower	Upper
127	100	
129	68.9	24.0 36.0#
65	0.0	27.0 40.4#
92	0.0	16.6 25.0#



#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 15.52 min Scan# 2083
Delta R.T. -0.01 min
Lab File: BG033124.D
Acq: 13 Mar 2018 18:19

Tgt Ion:164	Resp:	113414
Ion Ratio	Lower	Upper
164	100	
162	101.9	78.8 118.2
160	48.6	35.4 53.0

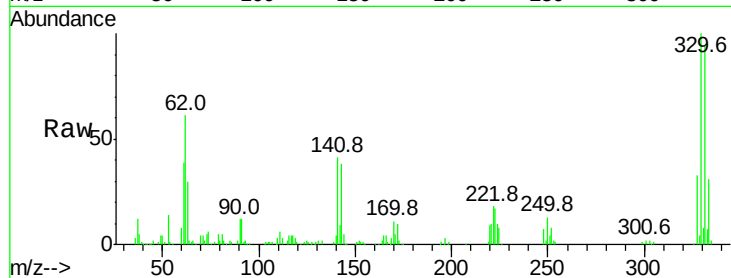




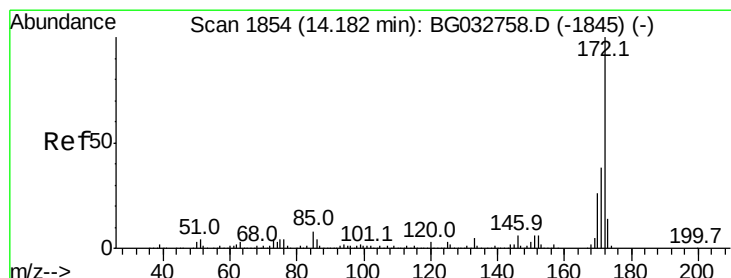
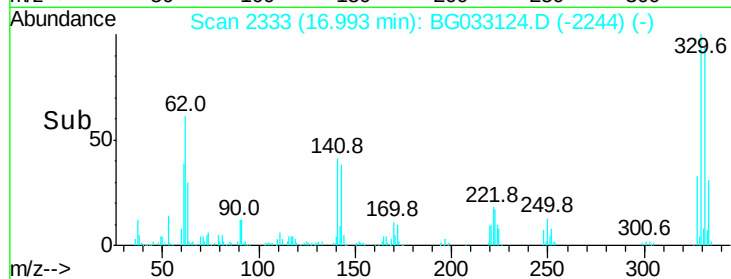
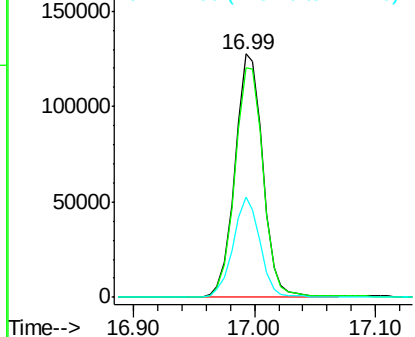
#41
 2,4,6-Tribromophenol
 Concen: 172.484 ng
 RT: 16.99 min Scan# 2333
 Delta R.T. -0.01 min
 Lab File: BG033124.D
 Acq: 13 Mar 2018 18:19

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:330 Resp: 205689
 Ion Ratio Lower Upper
 330 100
 332 96.8 77.0 115.6
 141 39.9 25.2 37.8#

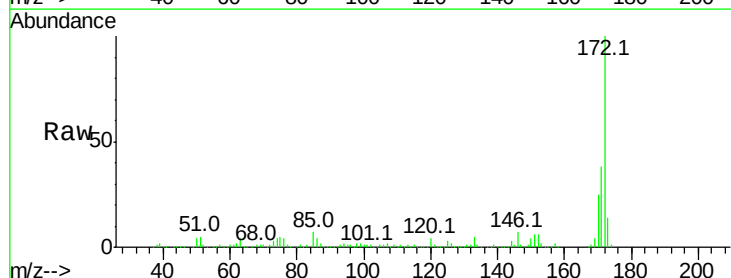


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

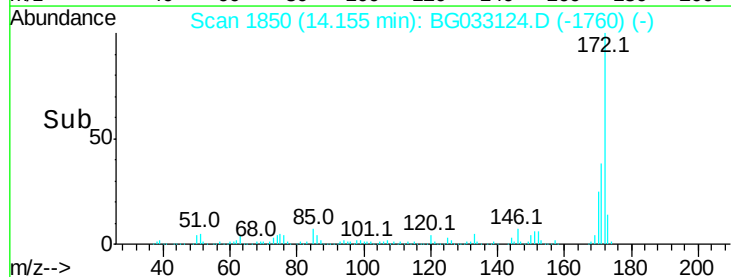
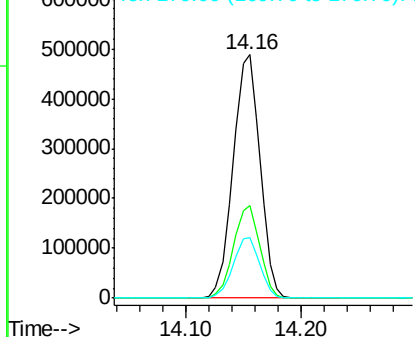


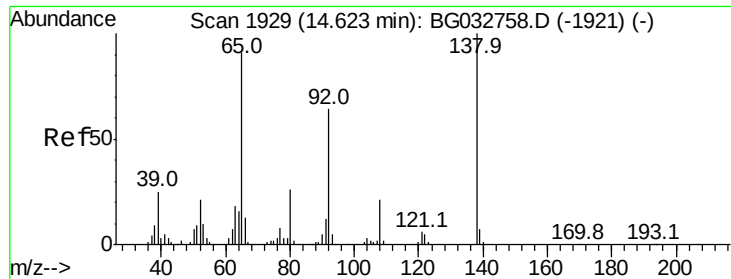
#44
 2-Fluorobiphenyl
 Concen: 99.938 ng
 RT: 14.16 min Scan# 1850
 Delta R.T. 0.00 min
 Lab File: BG033124.D
 Acq: 13 Mar 2018 18:19

Tgt Ion:172 Resp: 785882
 Ion Ratio Lower Upper
 172 100
 171 38.2 30.0 45.0
 170 24.9 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: 10.485 ng

RT: 14.16 min Scan# 1850

Delta R.T. -0.45 min

Lab File: BG033124.D

Acq: 13 Mar 2018 18:19

Instrument :

BNA_G

ClientSampleId :

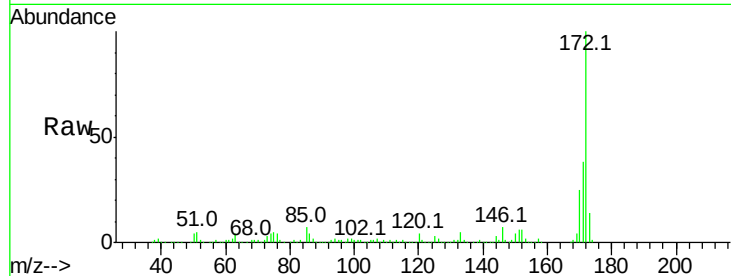
Tot Ion: 65 Resp: 1525

Ion Ratio Lower Upper

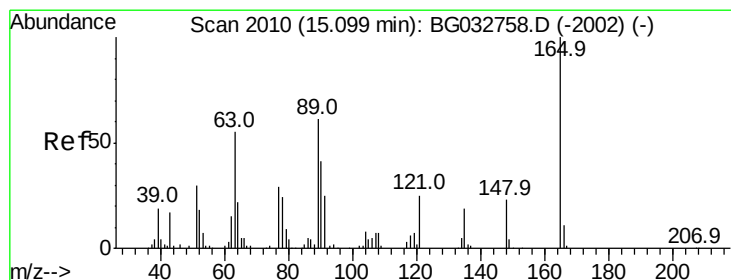
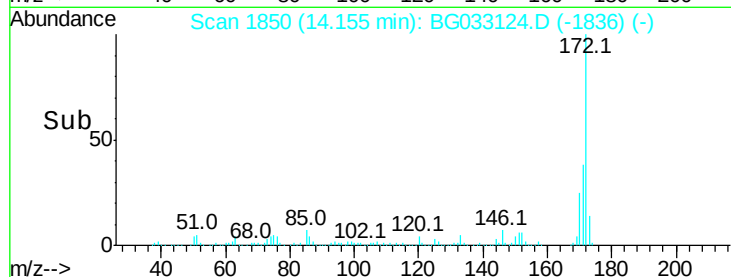
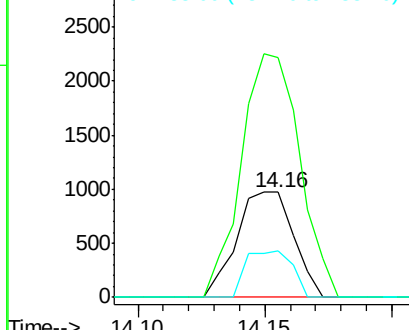
65 100

92 227.9 54.6 82.0#

138 44.7 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: 16.530 ng

RT: 15.52 min Scan# 2083

Delta R.T. 0.44 min

Lab File: BG033124.D

Acq: 13 Mar 2018 18:19

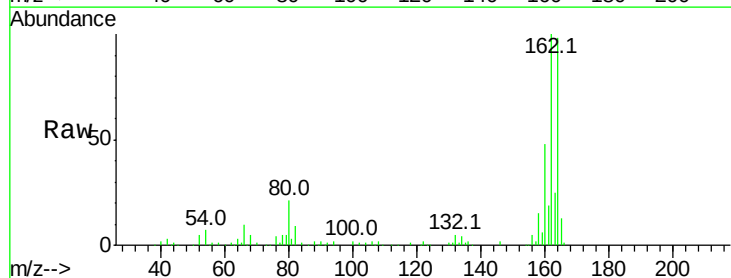
Tgt Ion:165 Resp: 14932

Ion Ratio Lower Upper

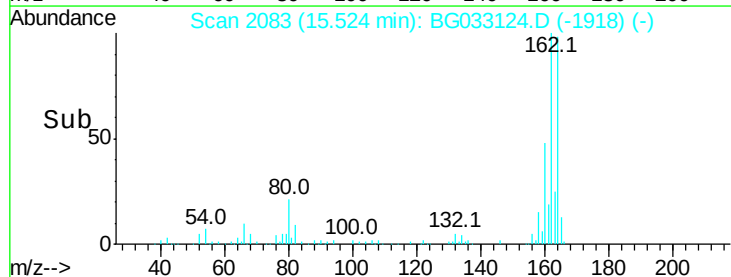
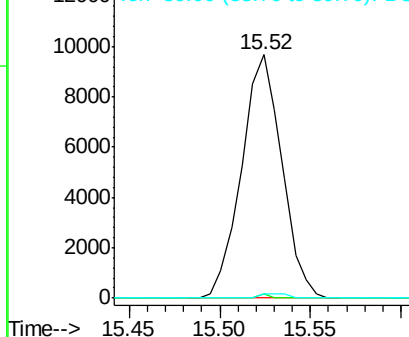
165 100

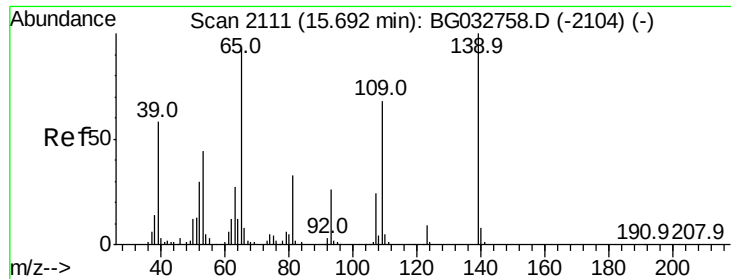
63 1.6 52.7 79.1#

89 1.7 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

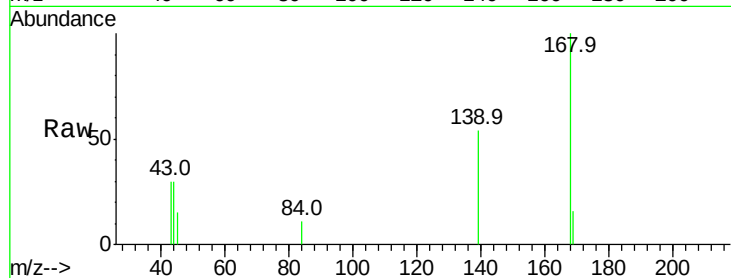




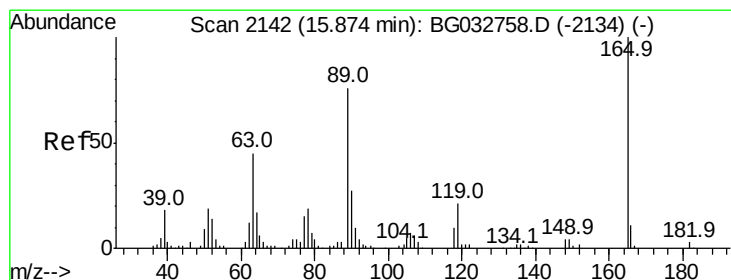
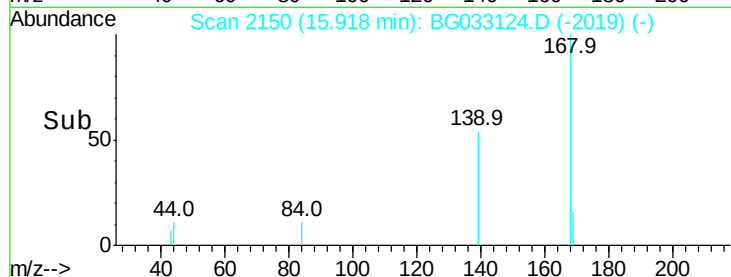
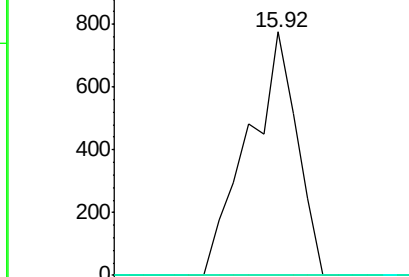
#55
4-Nitrophenol
Concen: 7.680 ng
RT: 15.92 min Scan# 2150
Delta R.T. 0.24 min
Lab File: BG033124.D
Acq: 13 Mar 2018 18:19

Instrument :
BNA_G
ClientSampled :

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

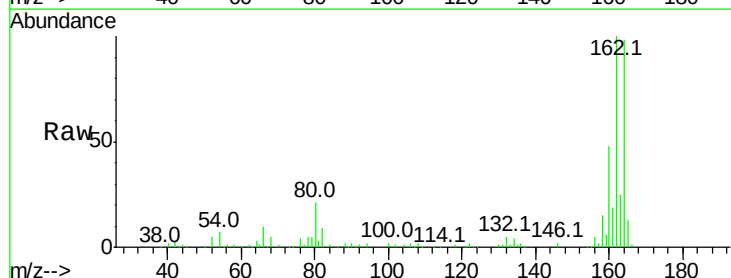


Abundance Ion 139.00 (138.70 to 139.70): E
Ion 109.00 (108.70 to 109.70): E
Ion 65.00 (64.70 to 65.70): BGC

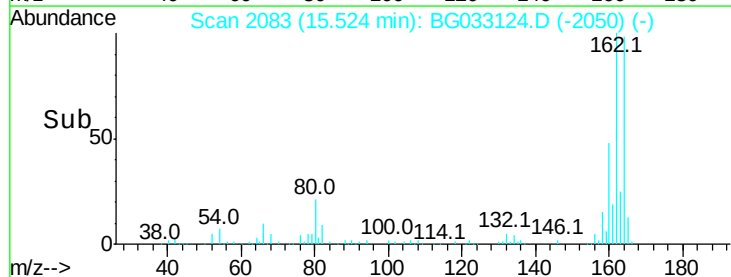
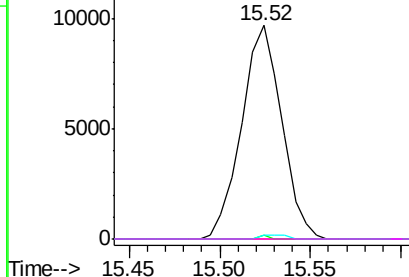


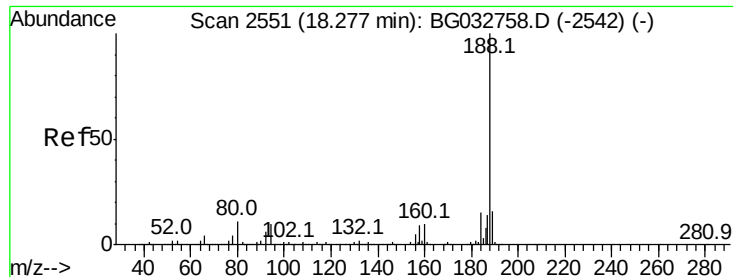
#56
2,4-Dinitrotoluene
Concen: 14.728 ng
RT: 15.52 min Scan# 2083
Delta R.T. -0.33 min
Lab File: BG033124.D
Acq: 13 Mar 2018 18:19

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.6	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

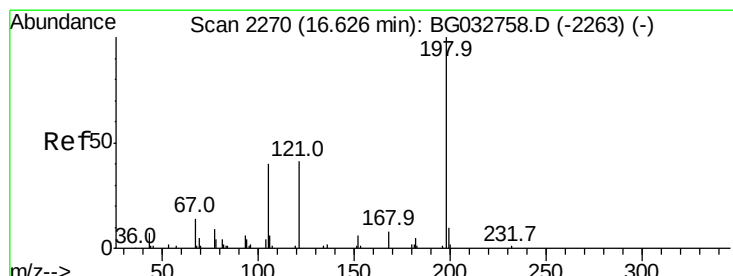
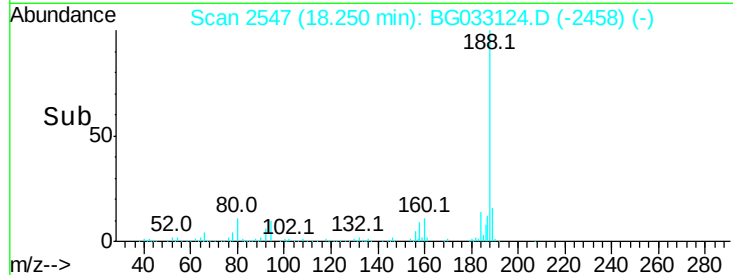
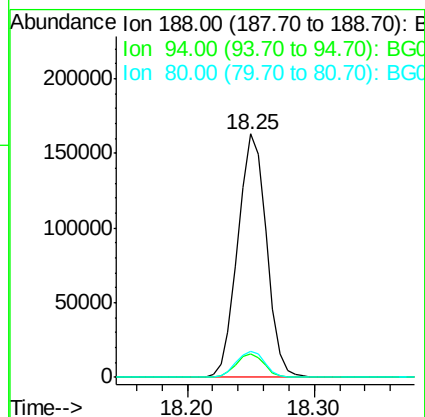
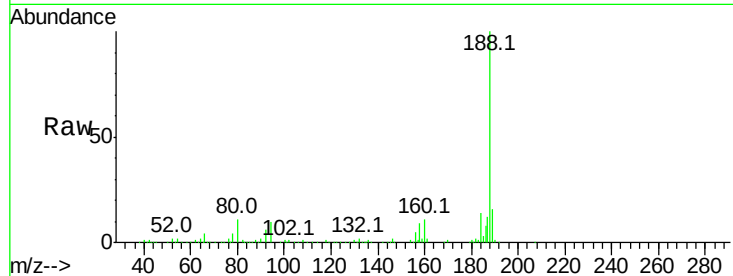




#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 18.25 min Scan# 2547
Delta R.T. -0.01 min
Lab File: BG033124.D
Acq: 13 Mar 2018 18:19

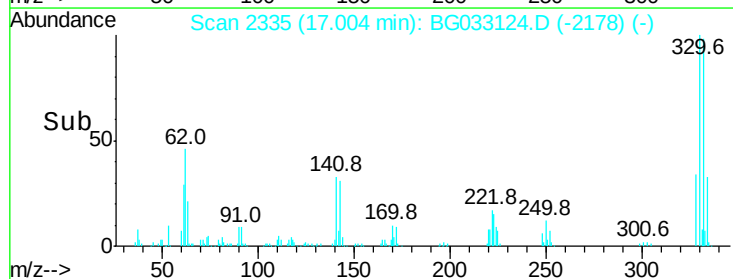
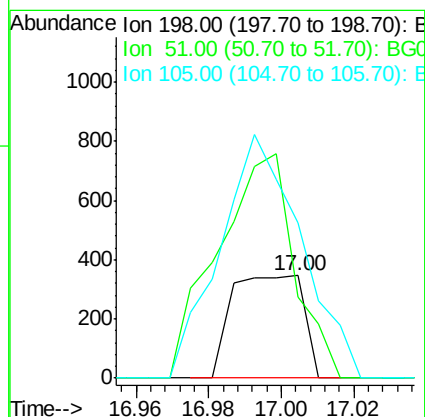
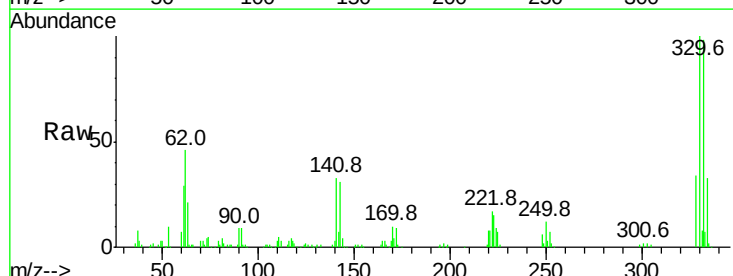
Instrument :
BNA_G
ClientSampleId :

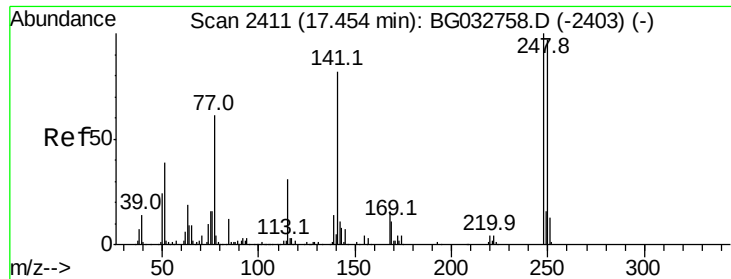
Tot Ion:188 Resp: 254917
Ion Ratio Lower Upper
188 100
94 9.8 6.9 10.3
80 10.6 7.7 11.5



#64
4,6-Dinitro-2-methylphenol
Concen: 5.740 ng
RT: 17.00 min Scan# 2335
Delta R.T. 0.39 min
Lab File: BG033124.D
Acq: 13 Mar 2018 18:19

Tgt Ion:198 Resp: 475
Ion Ratio Lower Upper
198 100
51 79.3 30.6 70.6#
105 151.3 23.8 63.8#

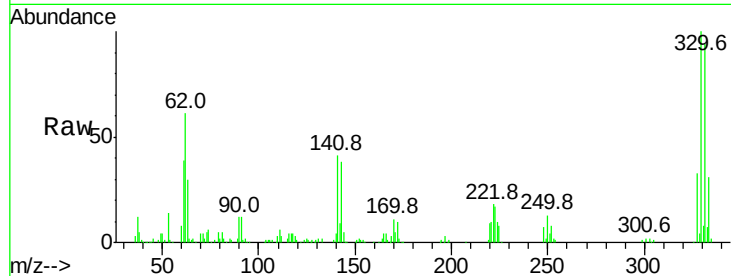




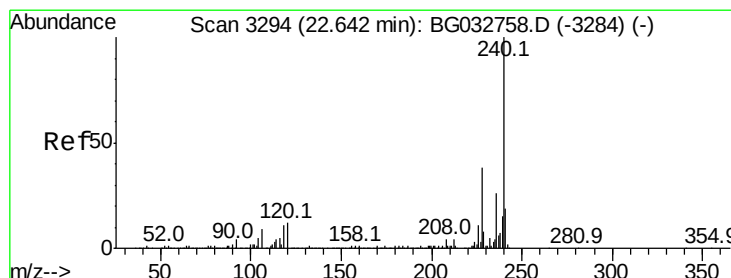
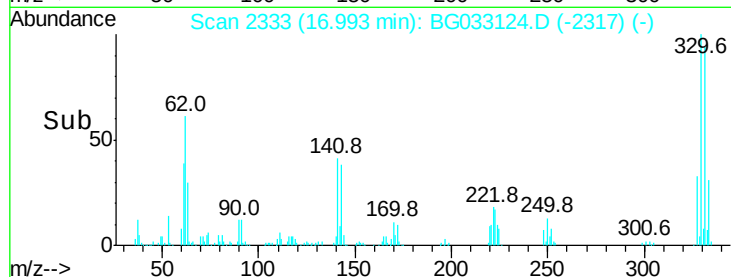
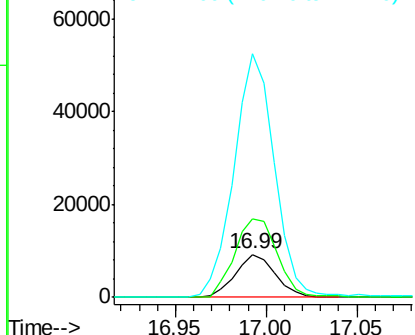
#66
 4-Bromophenyl-phenylether
 Concen: 5.258 ng
 RT: 16.99 min Scan# 2333
 Delta R.T. -0.43 min
 Lab File: BG033124.D
 Acq: 13 Mar 2018 18:19

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:248 Resp: 14172
 Ion Ratio Lower Upper
 248 100
 250 184.0 77.1 115.7#
 141 566.7 50.8 76.2#

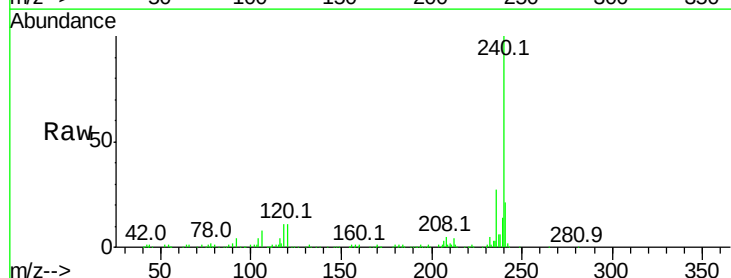


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

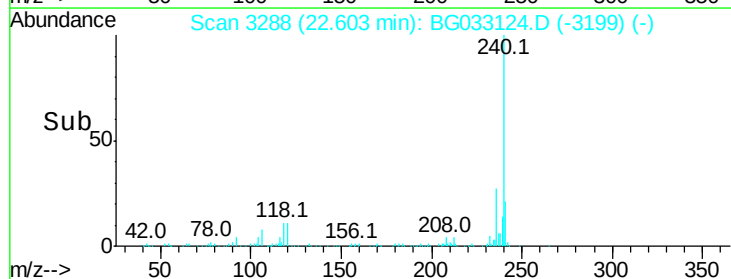
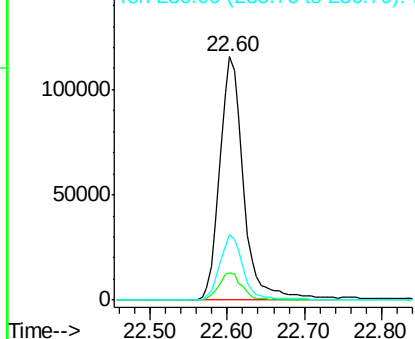


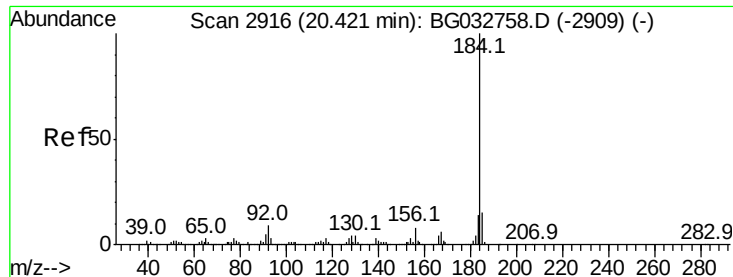
#75
 Chrysene-d12
 Concen: 20.000 ng
 RT: 22.60 min Scan# 3288
 Delta R.T. -0.01 min
 Lab File: BG033124.D
 Acq: 13 Mar 2018 18:19

Tgt Ion:240 Resp: 249561
 Ion Ratio Lower Upper
 240 100
 120 11.4 6.8 10.2#
 236 26.9 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: 2.439 ng

RT: 20.77 min Scan# 2976

Delta R.T. 0.36 min

Lab File: BG033124.D

Acq: 13 Mar 2018 18:19

Instrument :

BNA_G

ClientSampleId :

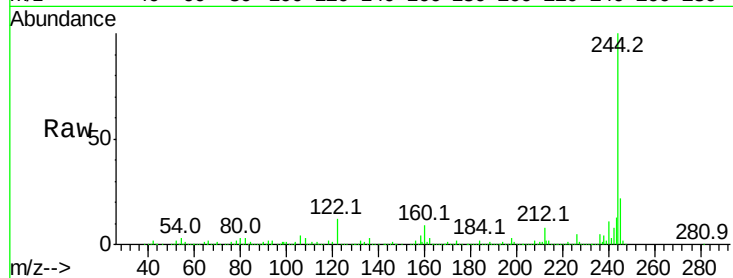
Tot Ion:184 Resp: 20749

Ion Ratio Lower Upper

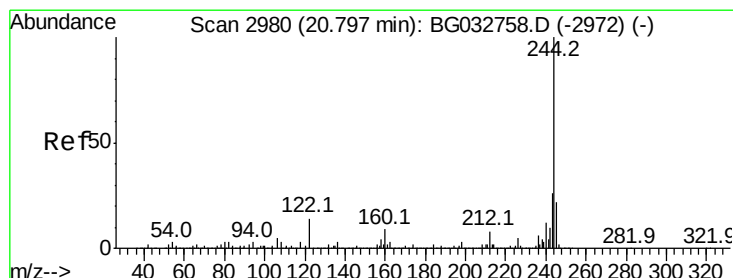
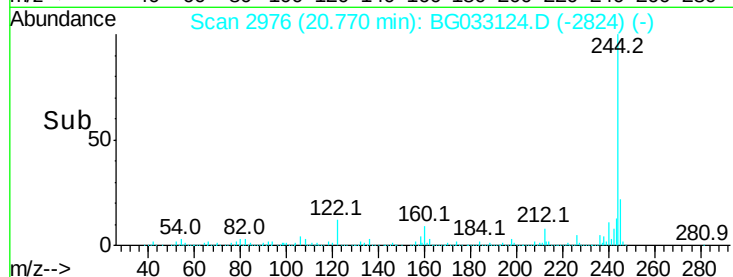
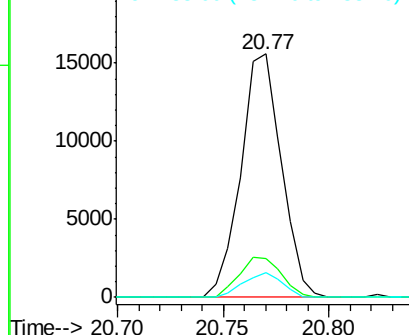
184 100

185 16.1 11.1 16.7

183 10.4 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: 109.644 ng

RT: 20.77 min Scan# 2976

Delta R.T. 0.00 min

Lab File: BG033124.D

Acq: 13 Mar 2018 18:19

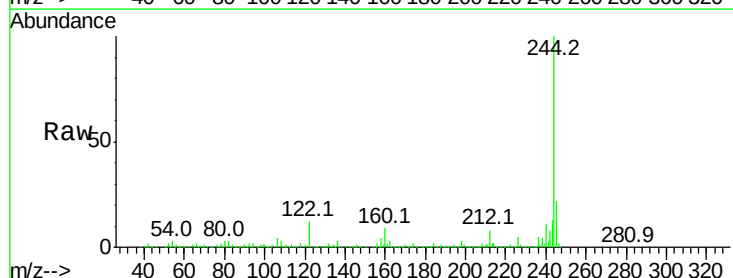
Tgt Ion:244 Resp: 1217899

Ion Ratio Lower Upper

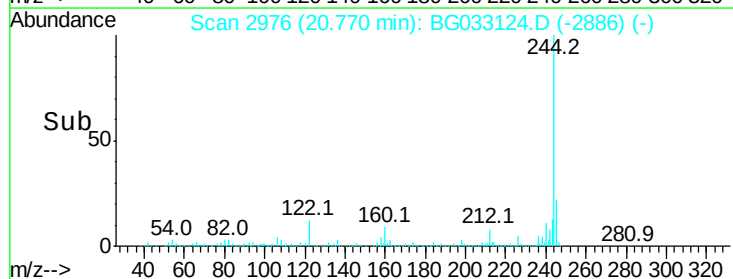
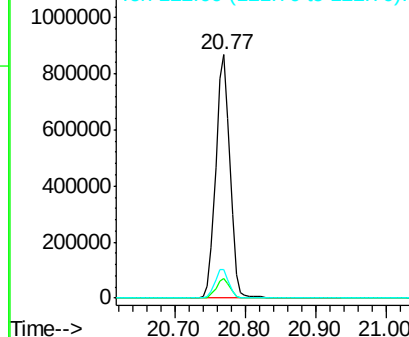
244 100

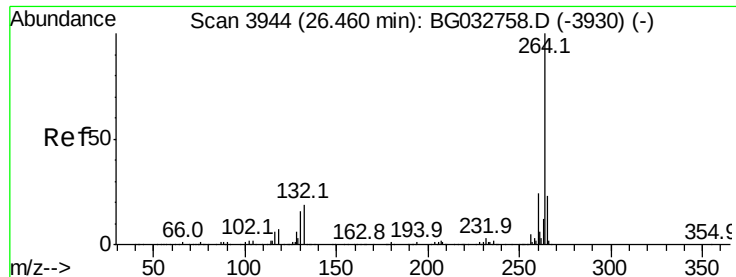
212 8.1 5.8 8.8

122 11.7 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

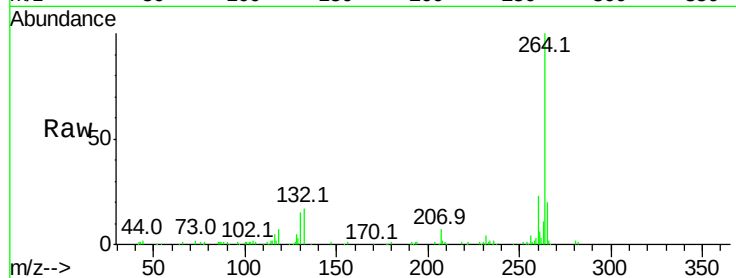




#86
Pervlene-d12
Concen: 20.000 ng
RT: 26.40 min Scan# 3934
Delta R.T. -0.01 min
Lab File: BG033124.D
Acq: 13 Mar 2018 18:19

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.3	17.4	26.0
265	19.7	17.7	26.5



Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E

