

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA G\DATA\BG030818\
 Data File : BG033063.D
 Acq On : 9 Mar 2018 6:02
 Operator : SJ/JU
 Sample : J1826-05
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Mar 09 07:31:17 2018
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG022118.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Mar 06 17:38:59 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.91	152	52967	20.00	ng	0.00
21) Naphthalene-d8	11.80	136	227569	20.00	ng	0.00
38) Acenaphthene-d10	15.53	164	124134	20.00	ng	0.00
63) Phenanthrene-d10	18.25	188	283642	20.00	ng	0.00
75) Chrysene-d12	22.60	240	257324	20.00	ng	0.00
86) Perylene-d12	26.41	264	229080	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	6.33	112	480113	145.02	ng	0.00
7) Phenol-d6	8.01	99	579236	125.52	ng	0.00
23) Nitrobenzene-d5	10.11	82	433534	126.70	ng	0.00
41) 2,4,6-Tribromophenol	16.99	330	224484	171.99	ng	0.00
44) 2-Fluorobiphenyl	14.16	172	903479	104.97	ng	0.00
78) Terphenyl-d14	20.77	244	1301917	113.67	ng	0.00

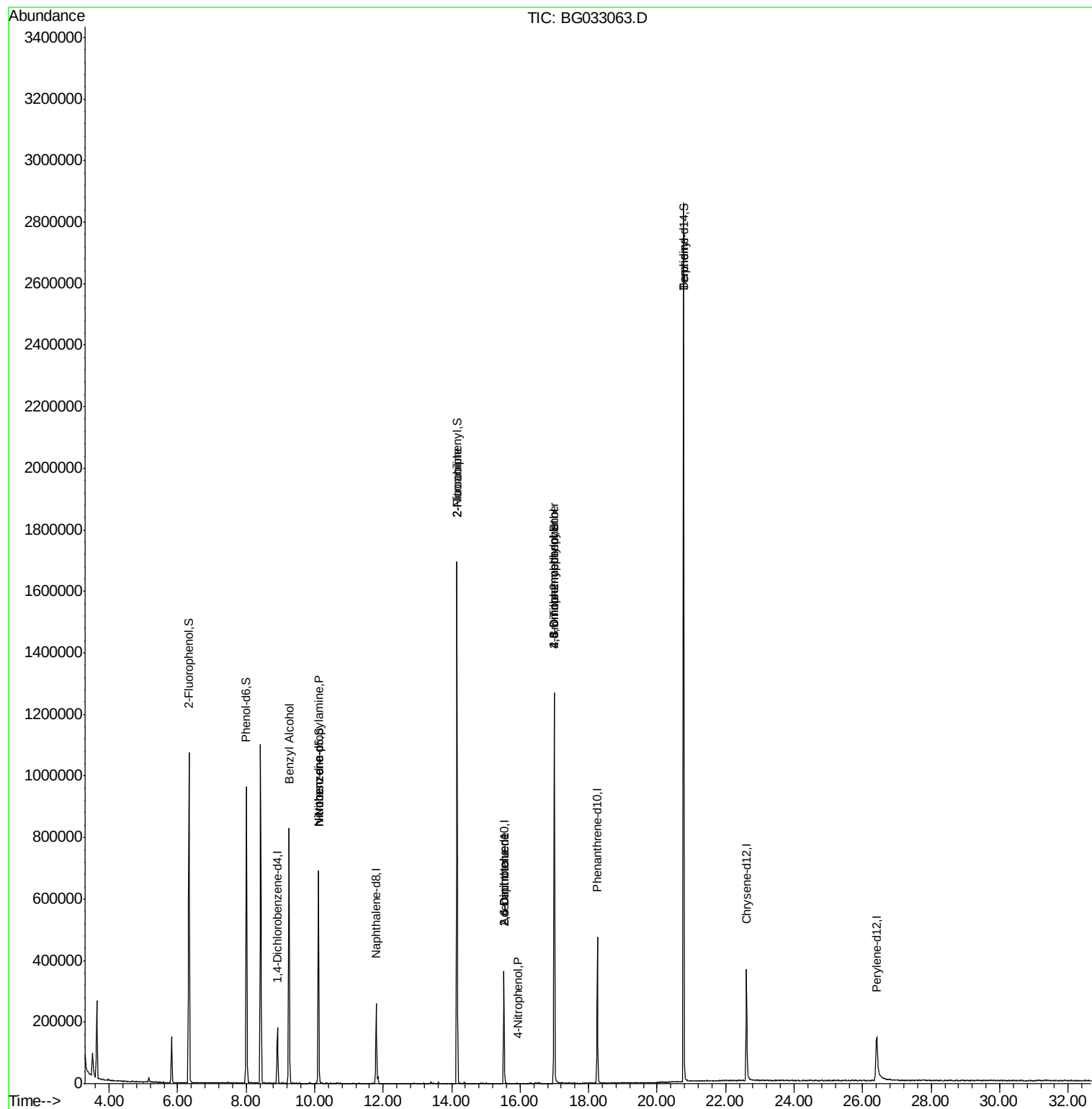
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
15) Benzyl Alcohol	9.25	79	7177	2.116	ng	# 35
19) n-Nitroso-di-n-propylamine	10.11	70	57011	17.499	ng	# 83
24) Nitrobenzene	10.12	77	1476	6.733	ng	# 50
47) 2-Nitroaniline	14.16	65	1802	10.537	ng	# 4
50) 2,6-Dinitrotoluene	15.53	165	16509	16.607	ng	# 20
55) 4-Nitrophenol	15.93	139	325	7.252	ng	# 1
56) 2,4-Dinitrotoluene	15.53	165	16509	14.806	ng	# 18
64) 4,6-Dinitro-2-methylphenol	16.99	198	662	5.939	ng	# 1
66) 4-Bromophenyl-phenylether	16.99	248	15566	5.190	ng	# 1
76) Benzidine	20.77	184	22600	2.577	ng	# 93

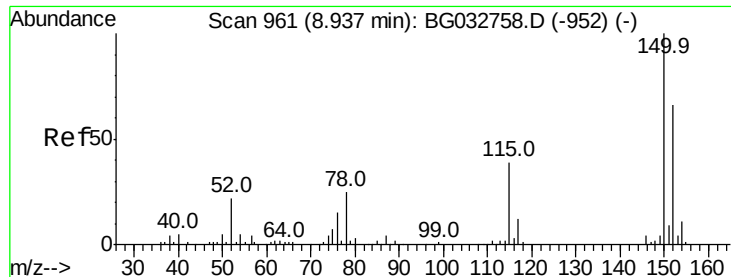
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA G\DATA\BG030818\
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Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 8.91 min Scan# 957

Delta R.T. -0.00 min

Lab File: BG033063.D

Acq: 9 Mar 2018 6:02

Instrument :

BNA_G

ClientSampleId :

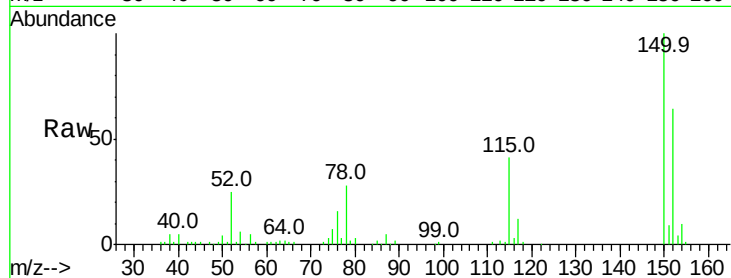
Tot Ion:152 Resp: 52967

Ion Ratio Lower Upper

152 100

150 156.5 126.6 189.8

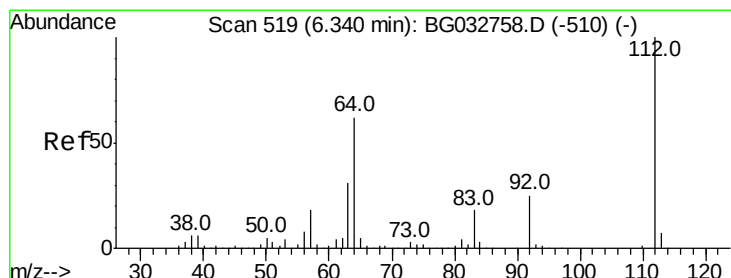
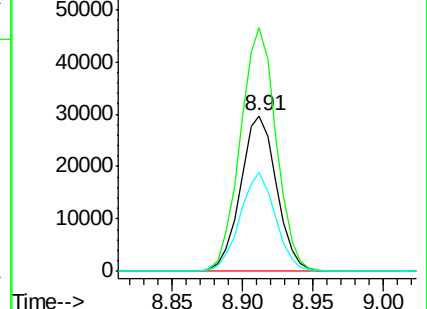
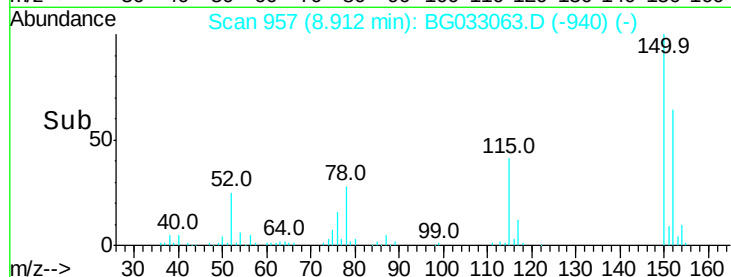
115 63.8 53.0 79.4



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: 145.017 ng

RT: 6.33 min Scan# 517

Delta R.T. 0.00 min

Lab File: BG033063.D

Acq: 9 Mar 2018 6:02

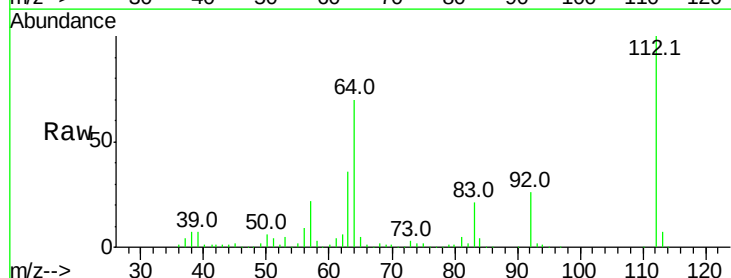
Tgt Ion:112 Resp: 480113

Ion Ratio Lower Upper

112 100

64 70.2 56.3 84.5

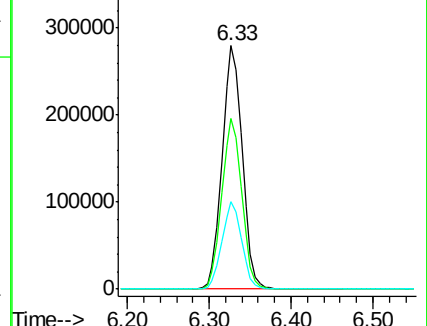
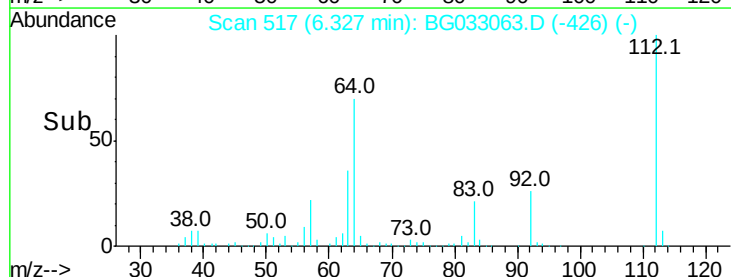
63 36.0 30.1 45.1

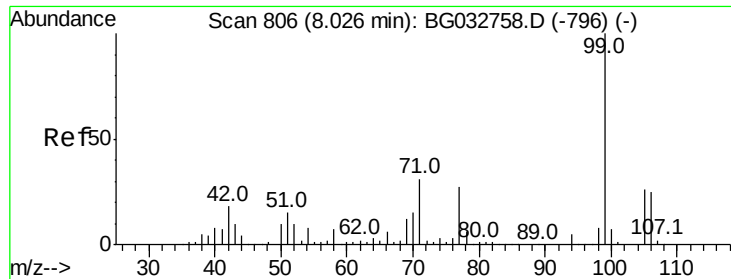


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BGC

Ion 63.00 (62.70 to 63.70): BGC





#7

Phenol-d6

Concen: 125.519 ng

RT: 8.01 min Scan# 803

Delta R.T. -0.00 min

Lab File: BG033063.D

Acq: 9 Mar 2018 6:02

Instrument :

BNA_G

ClientSampleId :

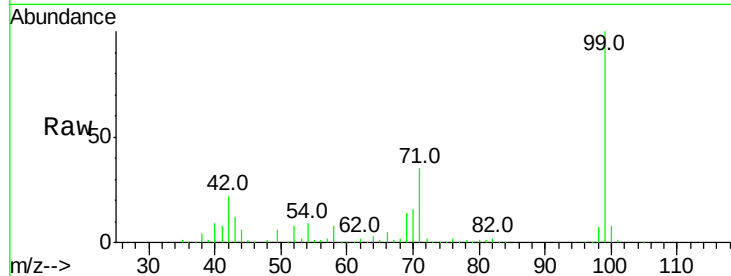
Tot Ion: 99 Resp: 579236

Ion Ratio Lower Upper

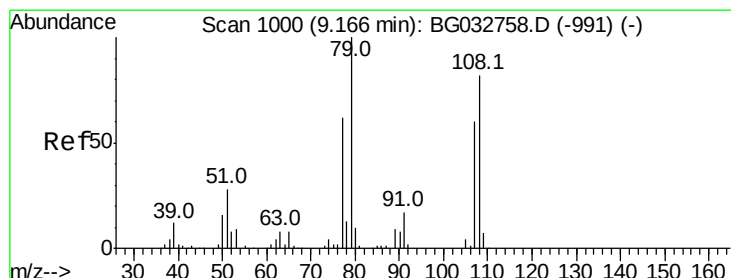
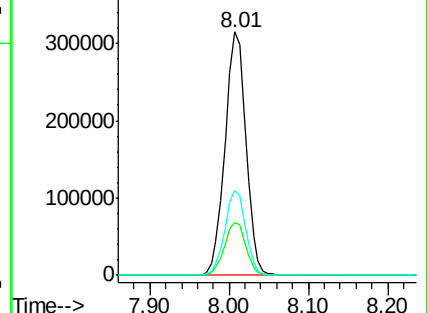
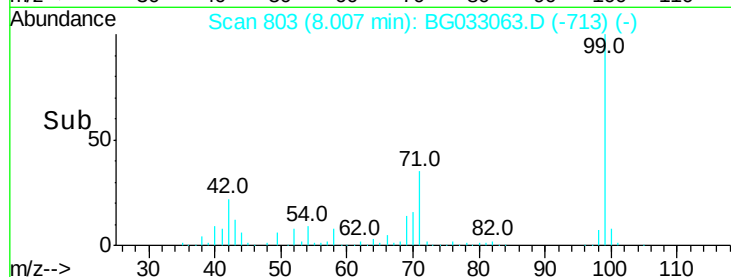
99 100

42 22.0 14.1 21.1#

71 34.9 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



#15

Benzyl Alcohol

Concen: 2.116 ng

RT: 9.25 min Scan# 1014

Delta R.T. 0.10 min

Lab File: BG033063.D

Acq: 9 Mar 2018 6:02

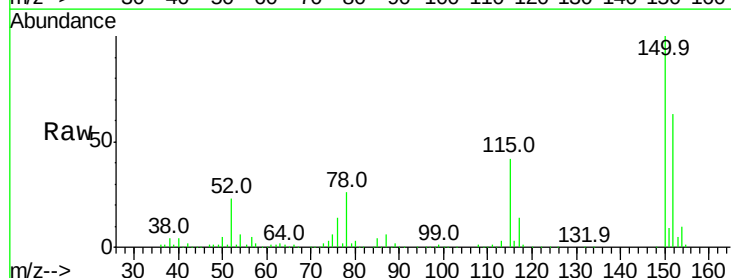
Tgt Ion: 79 Resp: 7177

Ion Ratio Lower Upper

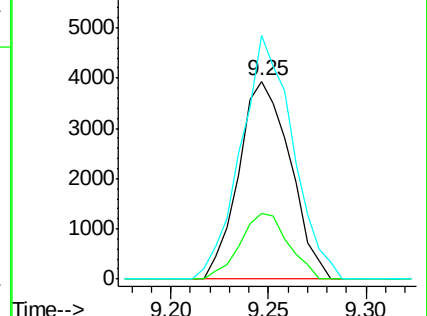
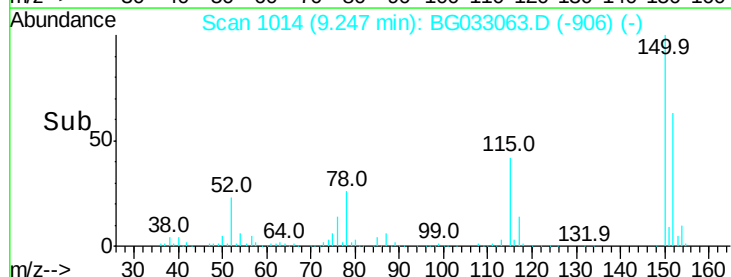
79 100

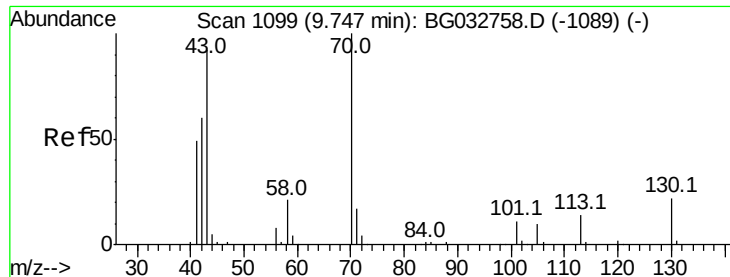
108 33.3 57.2 85.8#

77 122.9 46.1 69.1#



Abundance Ion 79.00 (78.70 to 79.70): BGC
Ion 108.00 (107.70 to 108.70): BGC
Ion 77.00 (76.70 to 77.70): BGC





#19

n-Nitroso-di-n-propylamine

Concen: 17.499 ng

RT: 10.11 min Scan# 1161

Delta R.T. 0.39 min

Lab File: BG033063.D

Acq: 9 Mar 2018 6:02

Instrument :

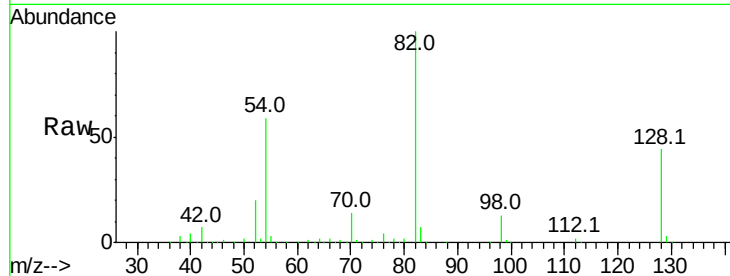
BNA_G

ClientSampled :

Tot Ion: 70 Resp: 57011

Ion Ratio Lower Upper

70	100		
42	53.0	49.1	73.7
101	0.0	8.5	12.7
130	2.1	13.4	20.0

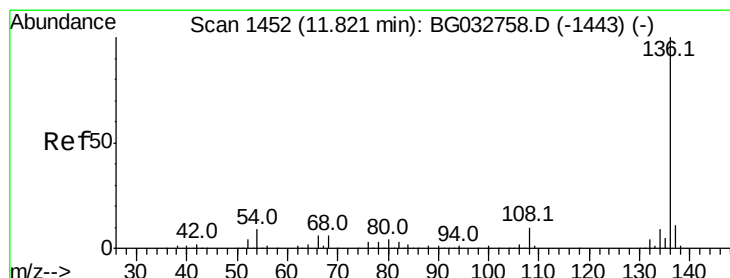
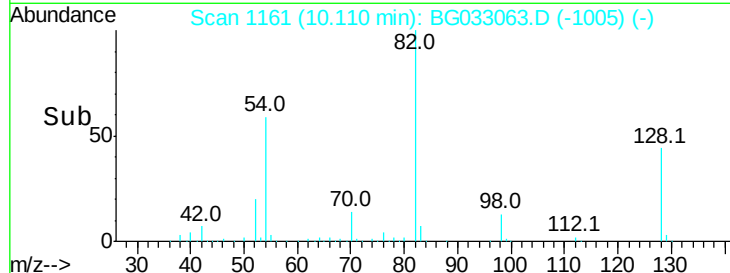
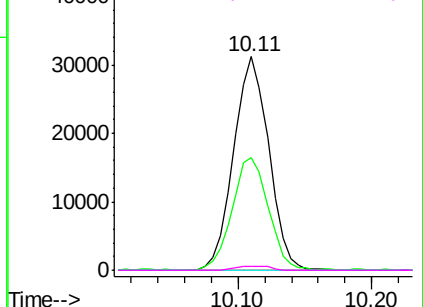


Abundance Ion 70.00 (69.70 to 70.70): BGC

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: 11.80 min Scan# 1448

Delta R.T. -0.00 min

Lab File: BG033063.D

Acq: 9 Mar 2018 6:02

Tgt Ion: 136 Resp: 227569

Ion Ratio Lower Upper

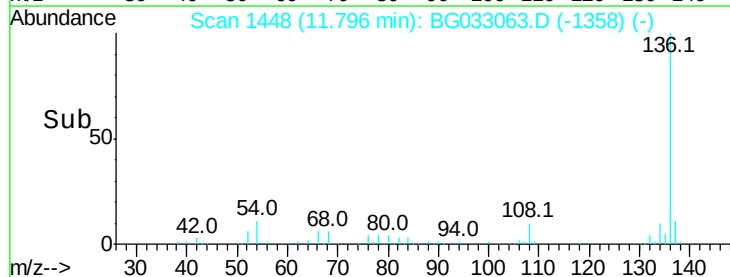
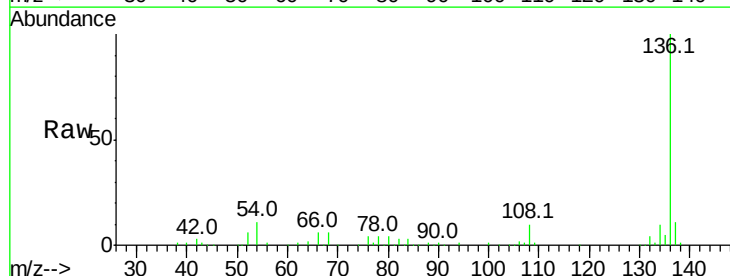
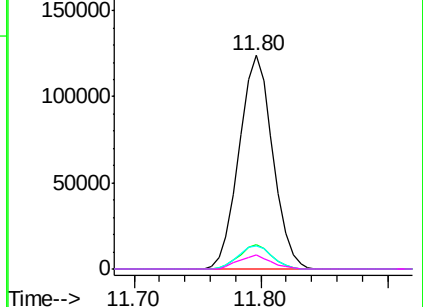
136	100		
137	11.2	9.2	13.8
54	10.8	10.3	15.5
68	6.3	4.5	6.7

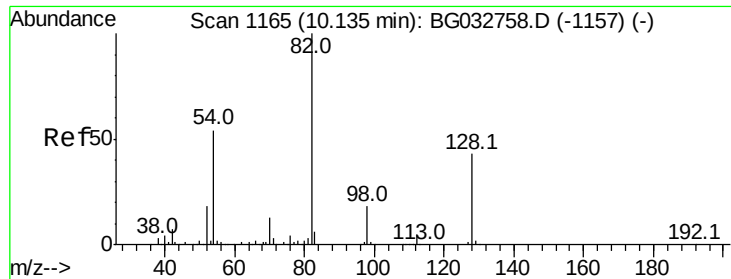
Abundance Ion 136.00 (135.70 to 136.70): BGC

Ion 137.00 (136.70 to 137.70): BGC

Ion 54.00 (53.70 to 54.70): BGC

Ion 68.00 (67.70 to 68.70): BGC

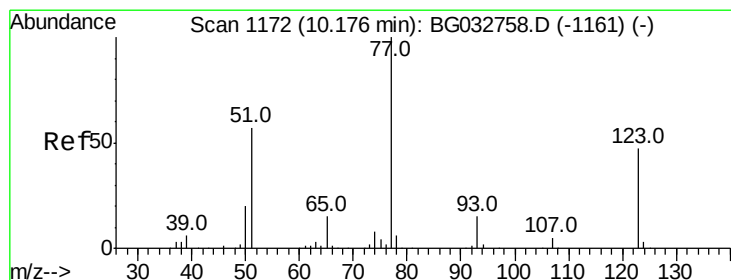
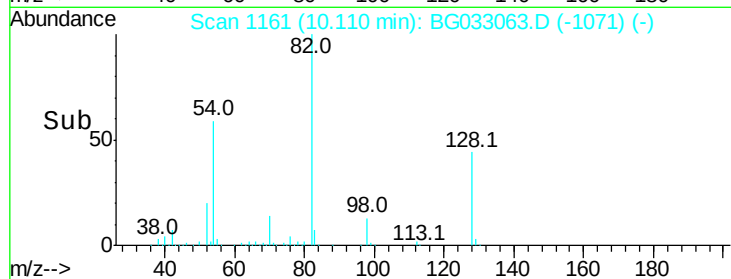
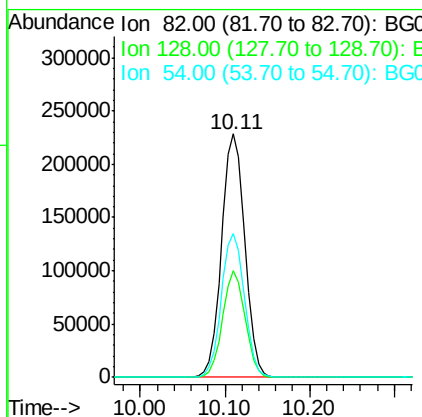
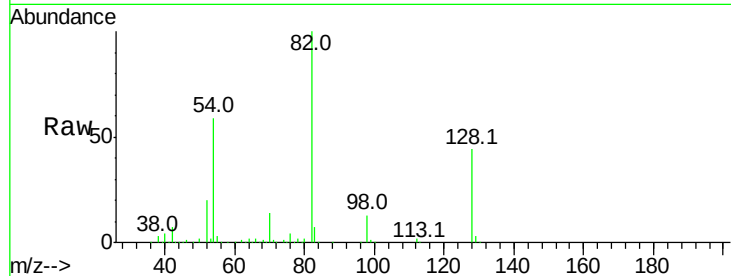




#23
 Nitrobenzene-d5
 Concen: 126.698 ng
 RT: 10.11 min Scan# 1161
 Delta R.T. -0.00 min
 Lab File: BG033063.D
 Acq: 9 Mar 2018 6:02

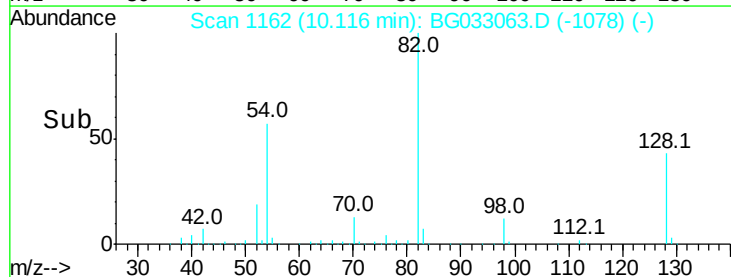
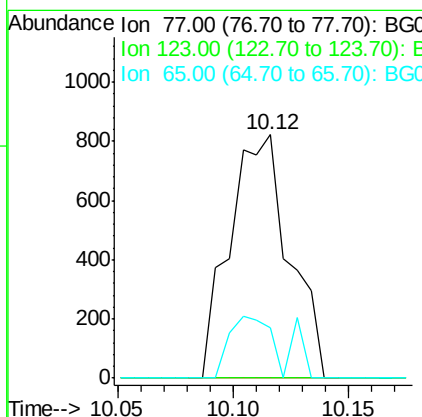
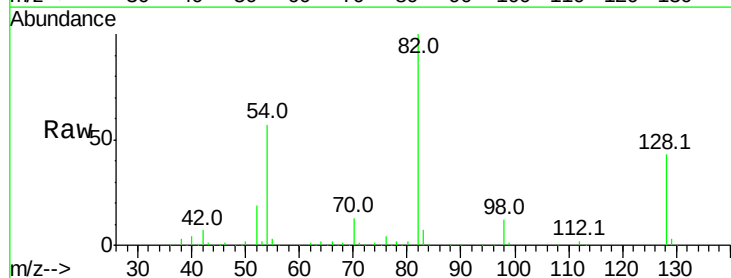
Instrument :
 BNA_G
 ClientSampled :

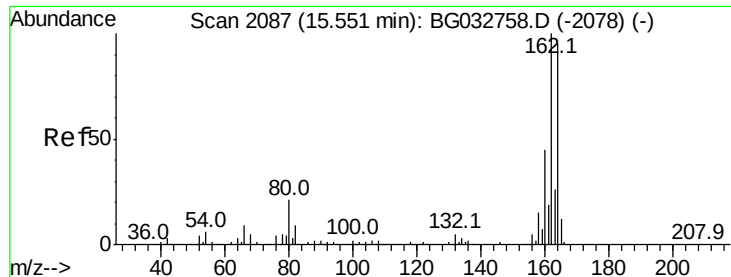
Tot Ion: 82 Resp: 433534
 Ion Ratio Lower Upper
 82 100
 128 43.6 29.7 44.5
 54 59.0 43.1 64.7



#24
 Nitrobenzene
 Concen: 6.733 ng
 RT: 10.12 min Scan# 1162
 Delta R.T. -0.04 min
 Lab File: BG033063.D
 Acq: 9 Mar 2018 6:02

Tgt Ion: 77 Resp: 1476
 Ion Ratio Lower Upper
 77 100
 123 0.0 33.0 49.6#
 65 20.9 13.0 19.6#





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 15.53 min Scan# 2083

Delta R.T. -0.00 min

Lab File: BG033063.D

Acq: 9 Mar 2018 6:02

Instrument :

BNA_G

ClientSampleId :

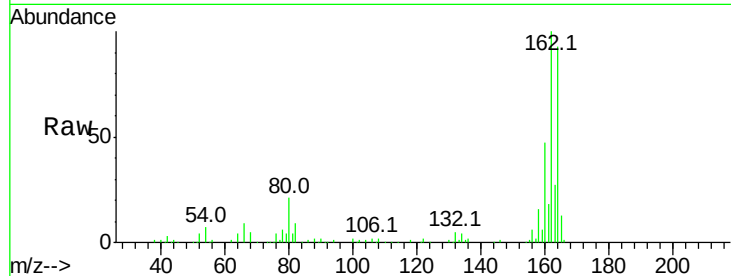
Tot Ion:164 Resp: 124134

Ion Ratio Lower Upper

164 100

162 107.5 78.8 118.2

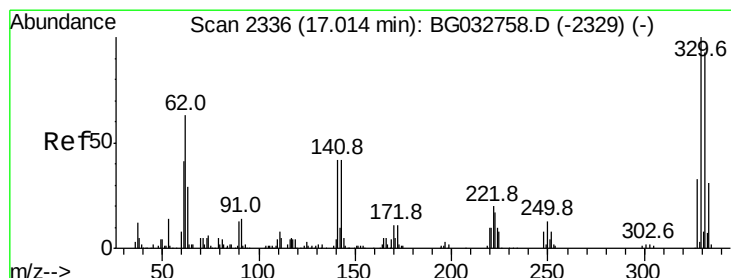
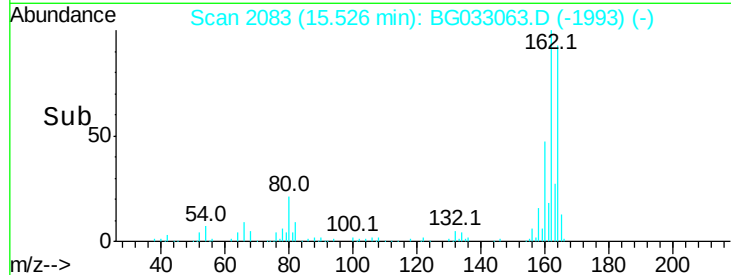
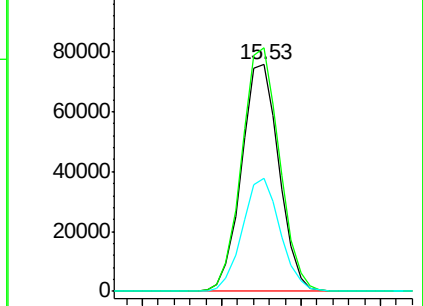
160 50.1 35.4 53.0



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: 171.989 ng

RT: 16.99 min Scan# 2333

Delta R.T. -0.00 min

Lab File: BG033063.D

Acq: 9 Mar 2018 6:02

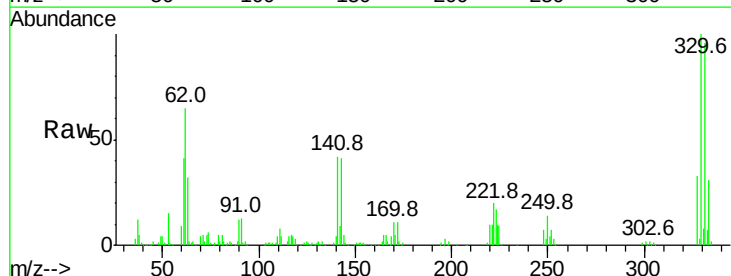
Tgt Ion:330 Resp: 224484

Ion Ratio Lower Upper

330 100

332 95.7 77.0 115.6

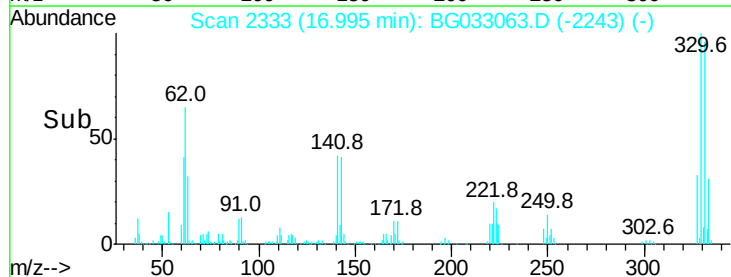
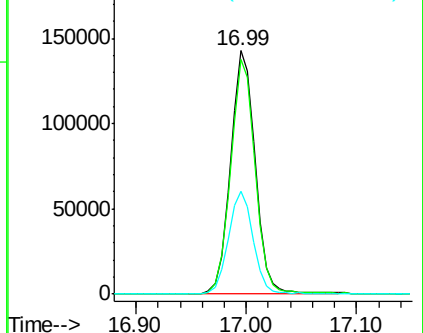
141 43.0 25.2 37.8#

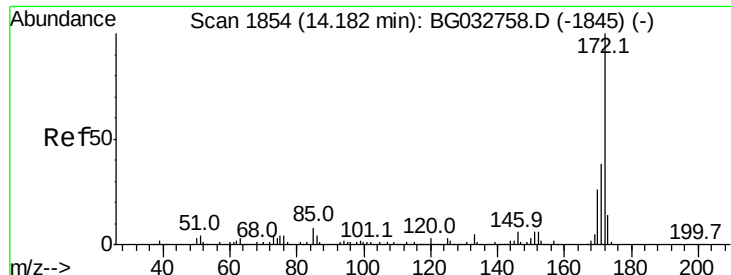


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

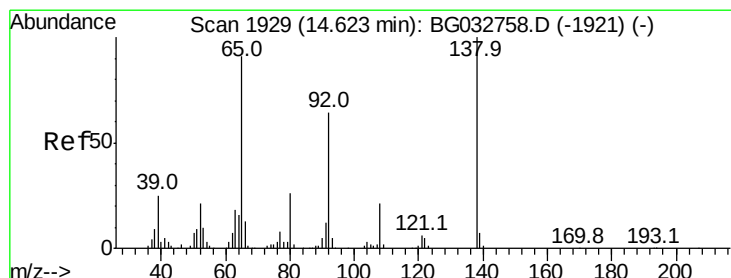
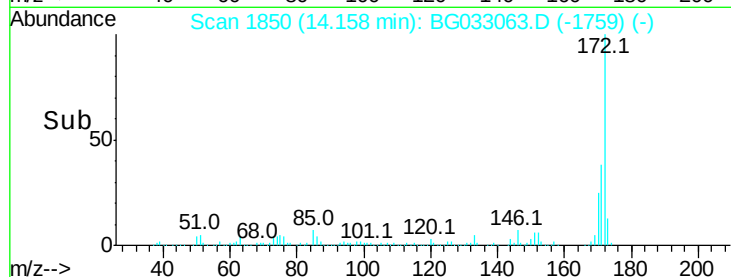
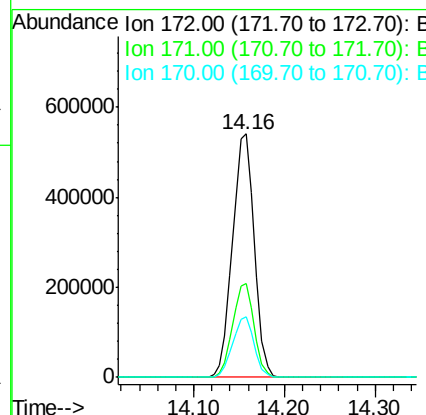
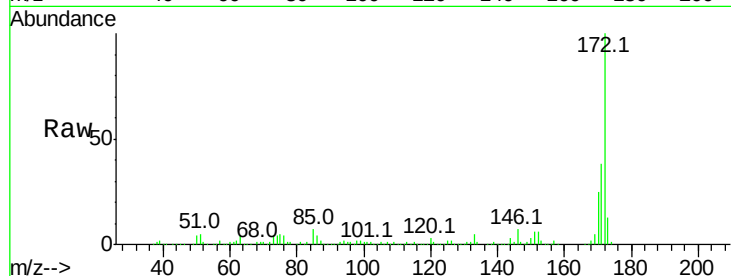




#44
 2-Fluorobiphenyl
 Concen: 104.971 ng
 RT: 14.16 min Scan# 1850
 Delta R.T. 0.00 min
 Lab File: BG033063.D
 Acq: 9 Mar 2018 6:02

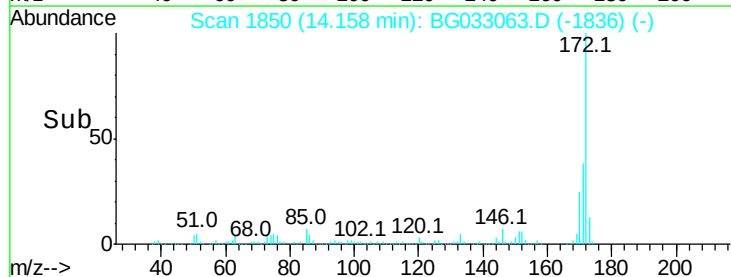
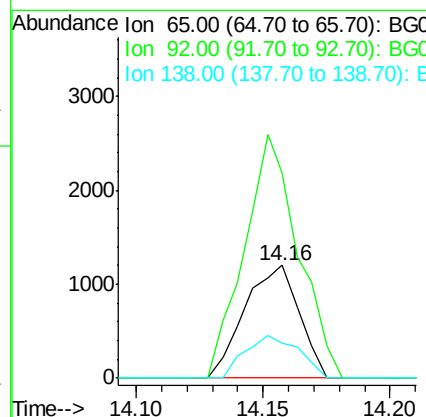
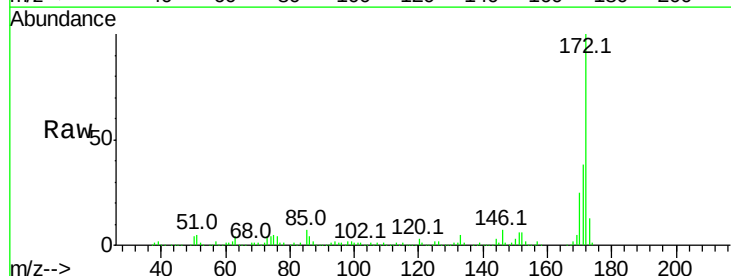
Instrument :
 BNA_G
 ClientSampleId :

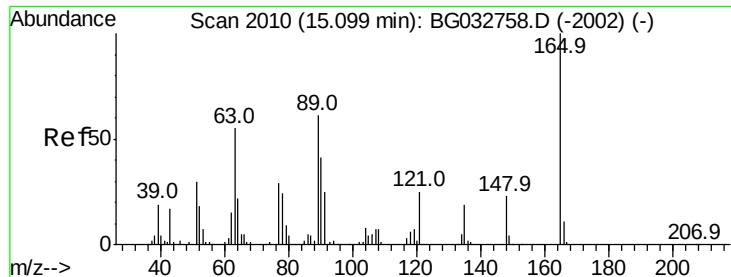
Tot Ion	Ratio	Lower	Upper
172	100		
171	38.4	30.0	45.0
170	24.9	19.5	29.3



#47
 2-Nitroaniline
 Concen: 10.537 ng
 RT: 14.16 min Scan# 1850
 Delta R.T. -0.45 min
 Lab File: BG033063.D
 Acq: 9 Mar 2018 6:02

Tgt Ion	Ratio	Lower	Upper
65	100		
92	181.5	54.6	82.0#
138	31.0	72.9	109.3#





#50

2,6-Dinitrotoluene

Concen: 16.607 ng

RT: 15.53 min Scan# 2083

Delta R.T. 0.45 min

Lab File: BG033063.D

Acq: 9 Mar 2018 6:02

Instrument :

BNA_G

ClientSampled :

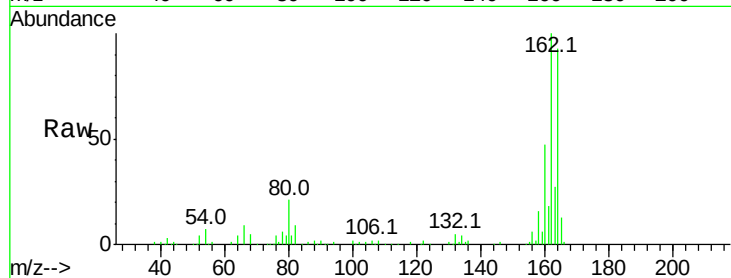
Tot Ion:165 Resp: 16509

Ion Ratio Lower Upper

165 100

63 0.0 52.7 79.1#

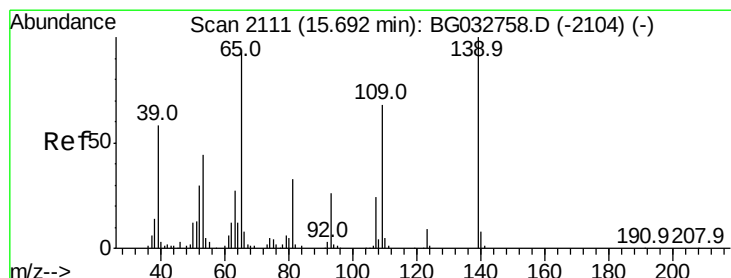
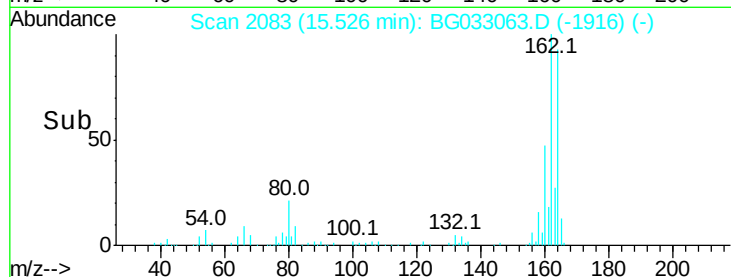
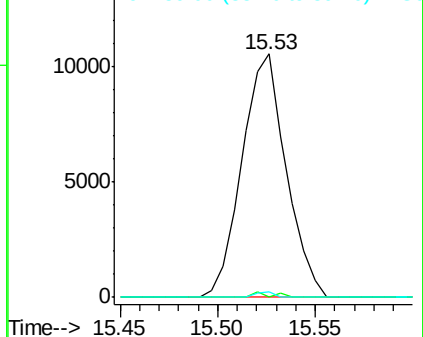
89 2.3 49.2 73.8#



Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

Ion 89.00 (88.70 to 89.70): BGC



#55

4-Nitrophenol

Concen: 7.252 ng

RT: 15.93 min Scan# 2151

Delta R.T. 0.25 min

Lab File: BG033063.D

Acq: 9 Mar 2018 6:02

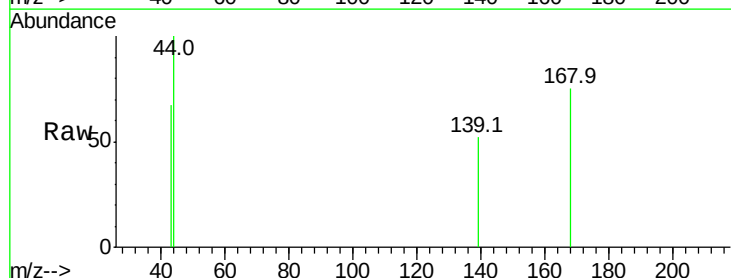
Tgt Ion:139 Resp: 325

Ion Ratio Lower Upper

139 100

109 0.0 62.2 102.2#

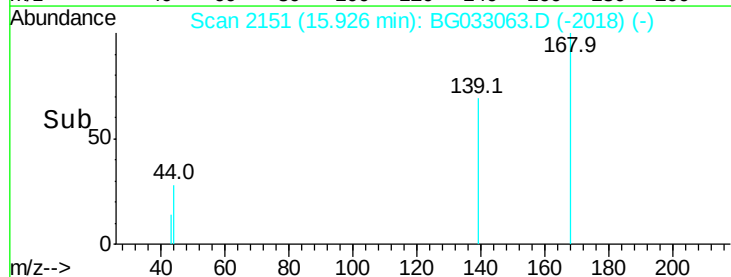
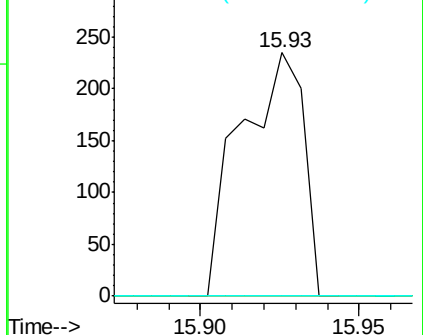
65 0.0 97.2 137.2#

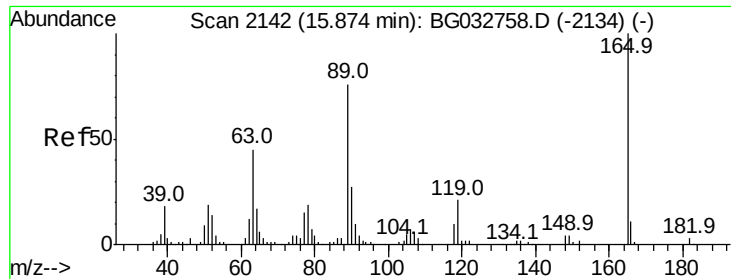


Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BGC

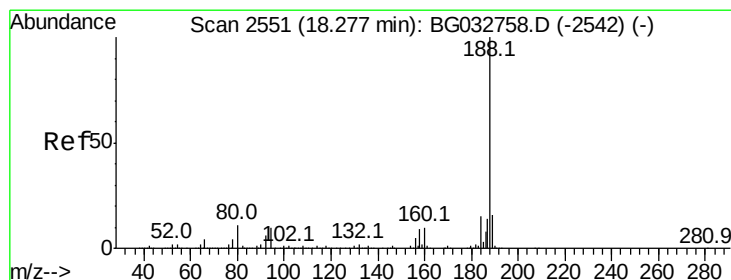
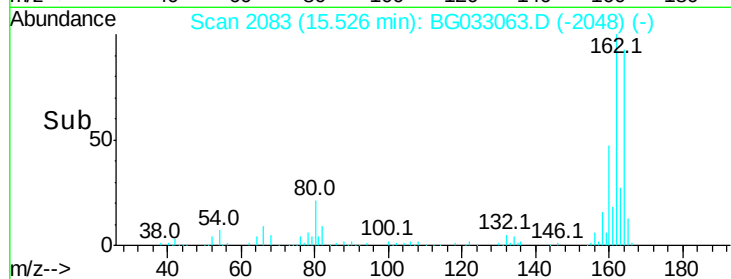
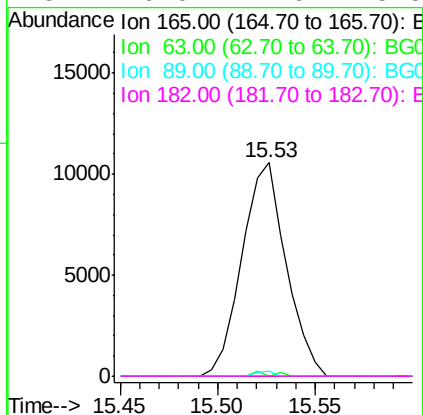
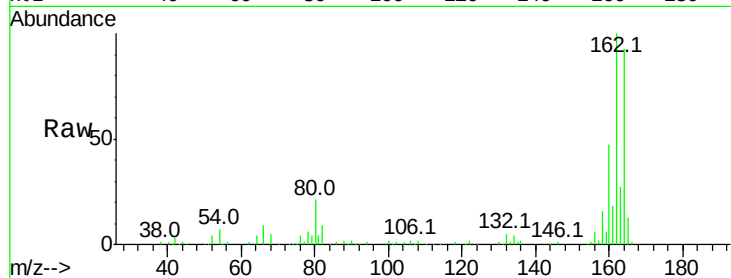




#56
 2,4-Dinitrotoluene
 Concen: 14.806 ng
 RT: 15.53 min Scan# 2083
 Delta R.T. -0.32 min
 Lab File: BG033063.D
 Acq: 9 Mar 2018 6:02

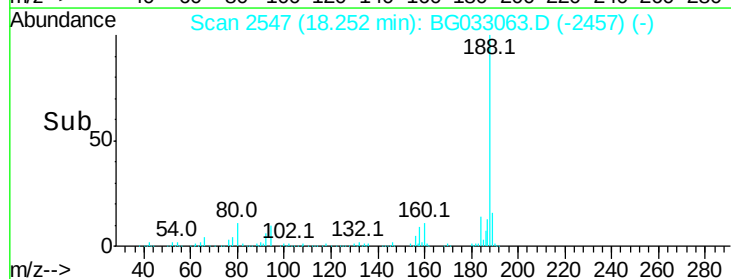
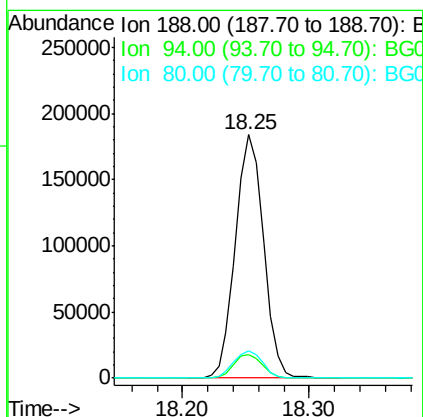
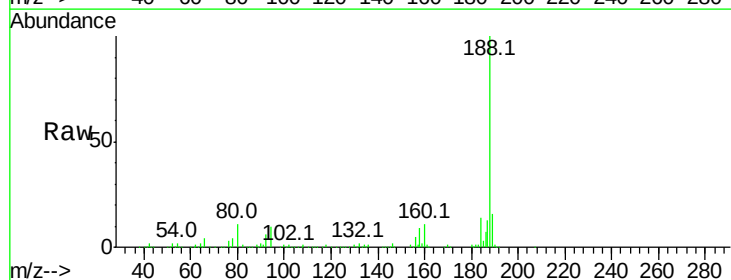
Instrument :
 BNA_G
 ClientSampleId :

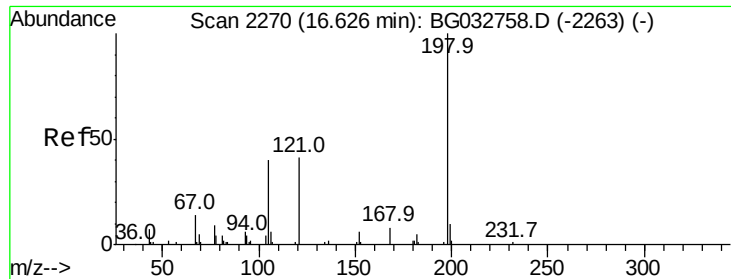
Tot Ion:	165	Resp:	16509
Ion	Ratio	Lower	Upper
165	100		
63	0.0	42.0	63.0#
89	2.3	66.9	100.3#
182	0.0	2.6	3.8#



#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 18.25 min Scan# 2547
 Delta R.T. -0.00 min
 Lab File: BG033063.D
 Acq: 9 Mar 2018 6:02

Tgt Ion:	188	Resp:	283642
Ion	Ratio	Lower	Upper
188	100		
94	9.7	6.9	10.3
80	11.4	7.7	11.5





#64

4,6-Dinitro-2-methylphenol

Concen: 5.939 ng

RT: 16.99 min Scan# 2333

Delta R.T. 0.39 min

Lab File: BG033063.D

Acq: 9 Mar 2018 6:02

Instrument :

BNA_G

ClientSampled :

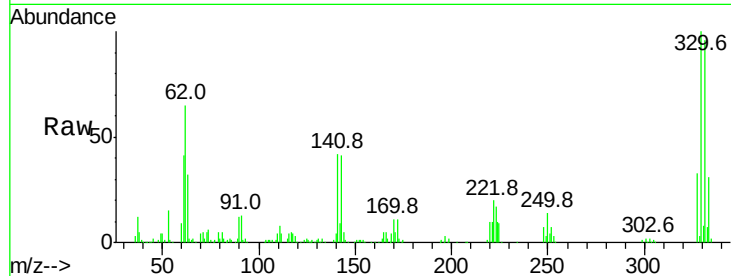
Tot Ion:198 Resp: 662

Ion Ratio Lower Upper

198 100

51 133.2 30.6 70.6#

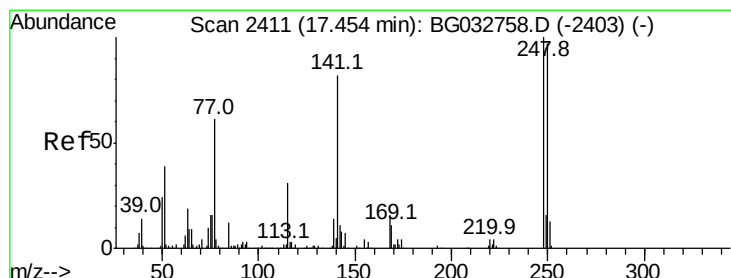
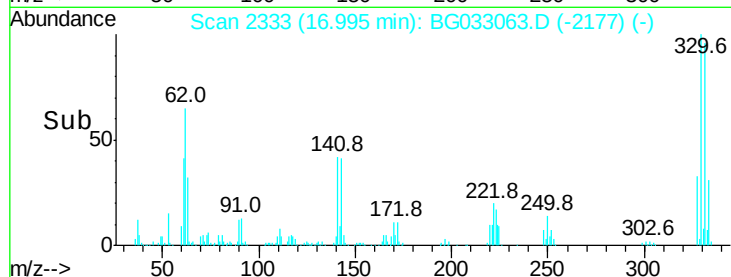
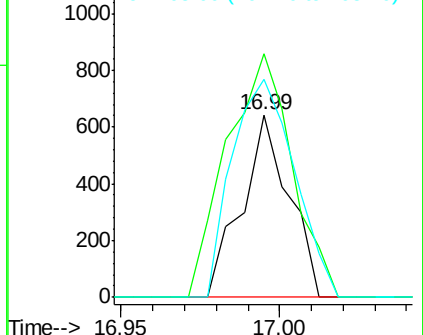
105 119.6 23.8 63.8#



Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BG0

Ion 105.00 (104.70 to 105.70): E



#66

4-Bromophenyl-phenylether

Concen: 5.190 ng

RT: 16.99 min Scan# 2333

Delta R.T. -0.43 min

Lab File: BG033063.D

Acq: 9 Mar 2018 6:02

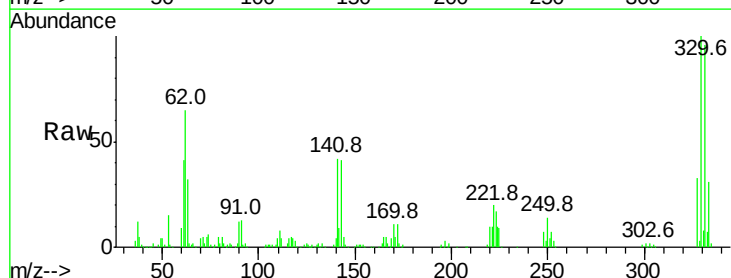
Tgt Ion:248 Resp: 15566

Ion Ratio Lower Upper

248 100

250 196.7 77.1 115.7#

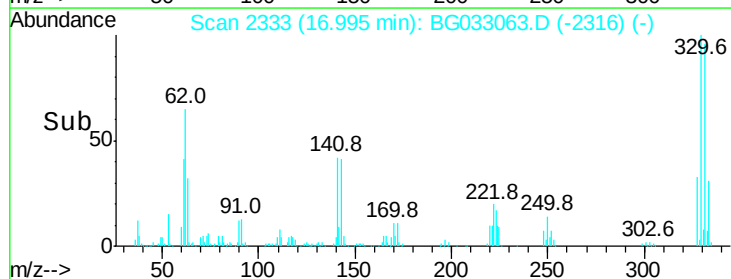
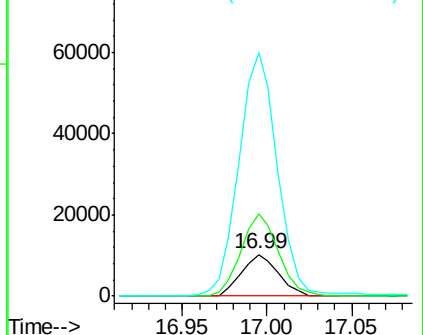
141 582.8 50.8 76.2#

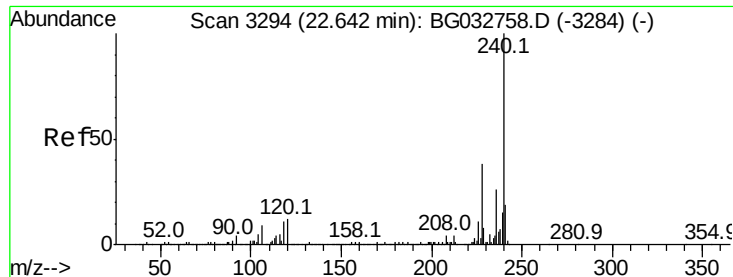


Abundance Ion 248.00 (247.70 to 248.70): E

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: 22.60 min Scan# 3288

Delta R.T. -0.01 min

Lab File: BG033063.D

Acq: 9 Mar 2018 6:02

Instrument :

BNA_G

ClientSampleId :

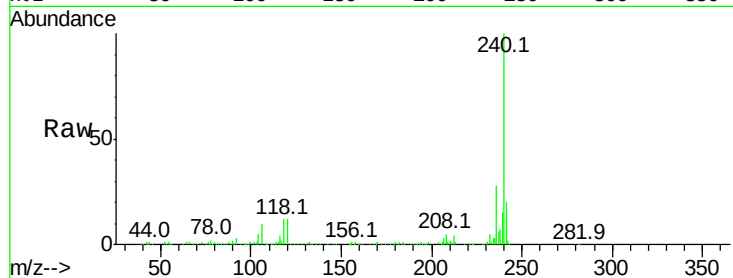
Tot Ion:240 Resp: 257324

Ion Ratio Lower Upper

240 100

120 12.2 6.8 10.2#

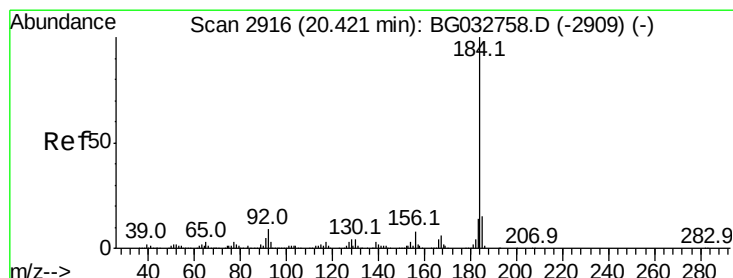
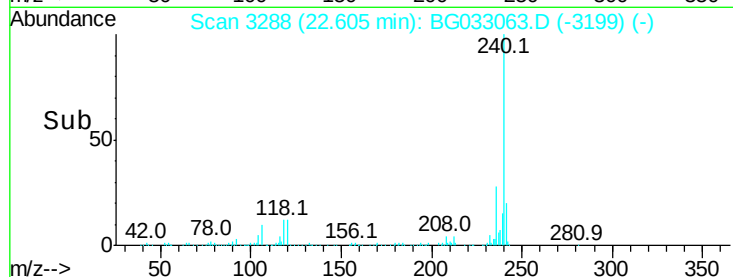
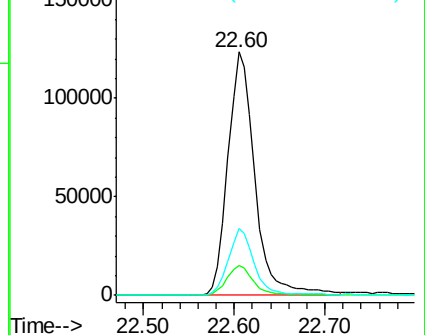
236 27.6 20.9 31.3



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



#76

Benzidine

Concen: 2.577 ng

RT: 20.77 min Scan# 2976

Delta R.T. 0.37 min

Lab File: BG033063.D

Acq: 9 Mar 2018 6:02

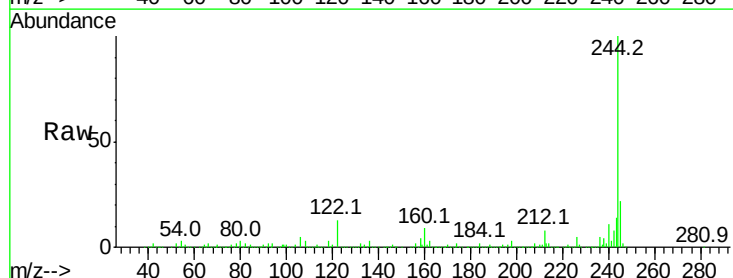
Tgt Ion:184 Resp: 22600

Ion Ratio Lower Upper

184 100

185 15.8 11.1 16.7

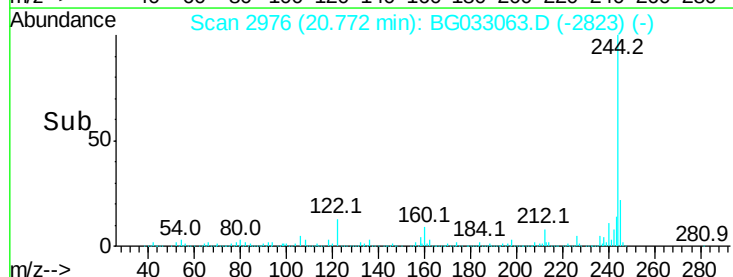
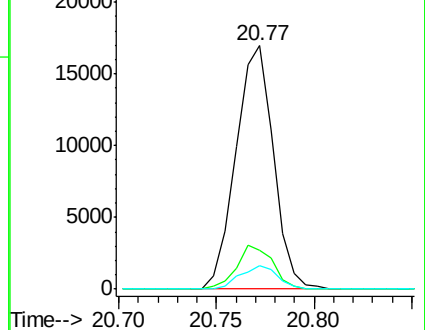
183 9.8 10.6 16.0#

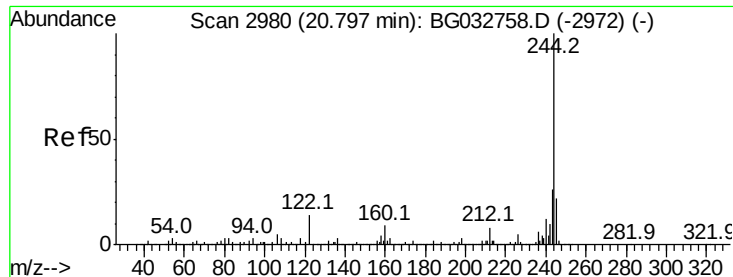


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#78

Terphenyl-d14

Concen: 113.672 ng

RT: 20.77 min Scan# 2976

Delta R.T. 0.00 min

Lab File: BG033063.D

Acq: 9 Mar 2018 6:02

Instrument :

BNA_G

ClientSampleId :

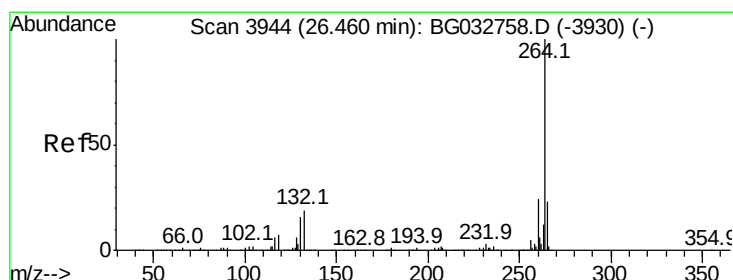
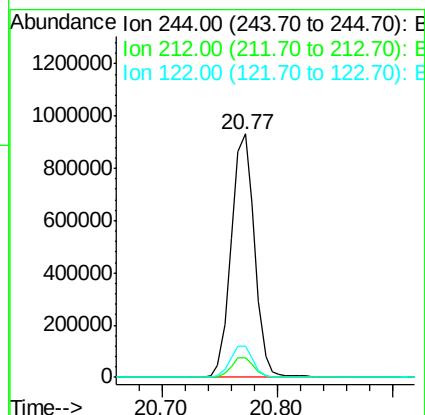
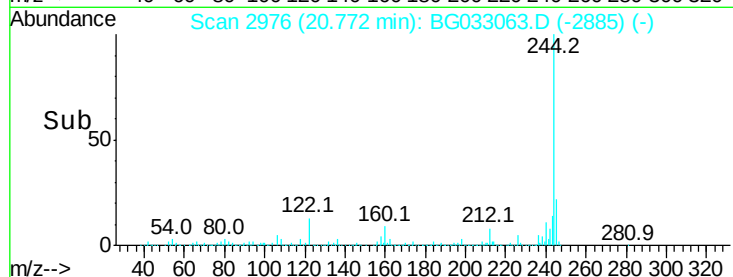
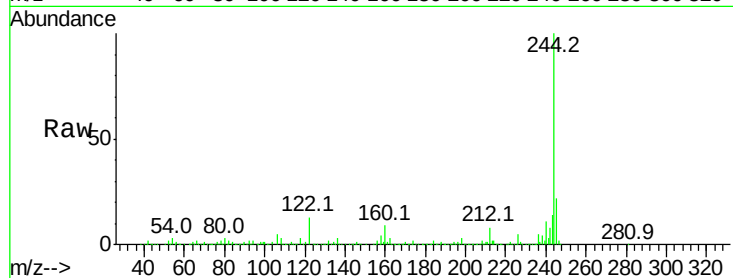
Tot Ion:244 Resp: 1301917

Ion Ratio Lower Upper

244 100

212 8.3 5.8 8.8

122 12.7 7.0 10.4#



#86

Perylene-d12

Concen: 20.000 ng

RT: 26.41 min Scan# 3935

Delta R.T. -0.00 min

Lab File: BG033063.D

Acq: 9 Mar 2018 6:02

Tgt Ion:264 Resp: 229080

Ion Ratio Lower Upper

264 100

260 22.6 17.4 26.0

265 20.6 17.7 26.5

