

Data Path : Z:\HPCHEM1\BNA G\DATA\BG040618\
 Data File : BG033651.D
 Acq On : 7 Apr 2018 5:32
 Operator : SJ/JU
 Sample : J2254-02
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Apr 07 06:49:57 2018
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG031918.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Apr 05 17:36:07 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.86	152	37716	20.00	ng	0.00
21) Naphthalene-d8	11.74	136	170922	20.00	ng	0.00
38) Acenaphthene-d10	15.48	164	133667	20.00	ng	0.00
63) Phenanthrene-d10	18.21	188	320117	20.00	ng	0.00
75) Chrysene-d12	22.55	240	327231	20.00	ng	0.00
86) Perylene-d12	26.31	264	322864	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	6.29	112	342594	170.33	ng	0.00
7) Phenol-d6	7.97	99	480607	139.07	ng	0.00
23) Nitrobenzene-d5	10.06	82	379219	101.93	ng	0.00
41) 2,4,6-Tribromophenol	16.95	330	276335	138.23	ng	0.00
44) 2-Fluorobiphenyl	14.10	172	920538	99.42	ng	0.00
78) Terphenyl-d14	20.73	244	1603690	104.81	ng	0.00

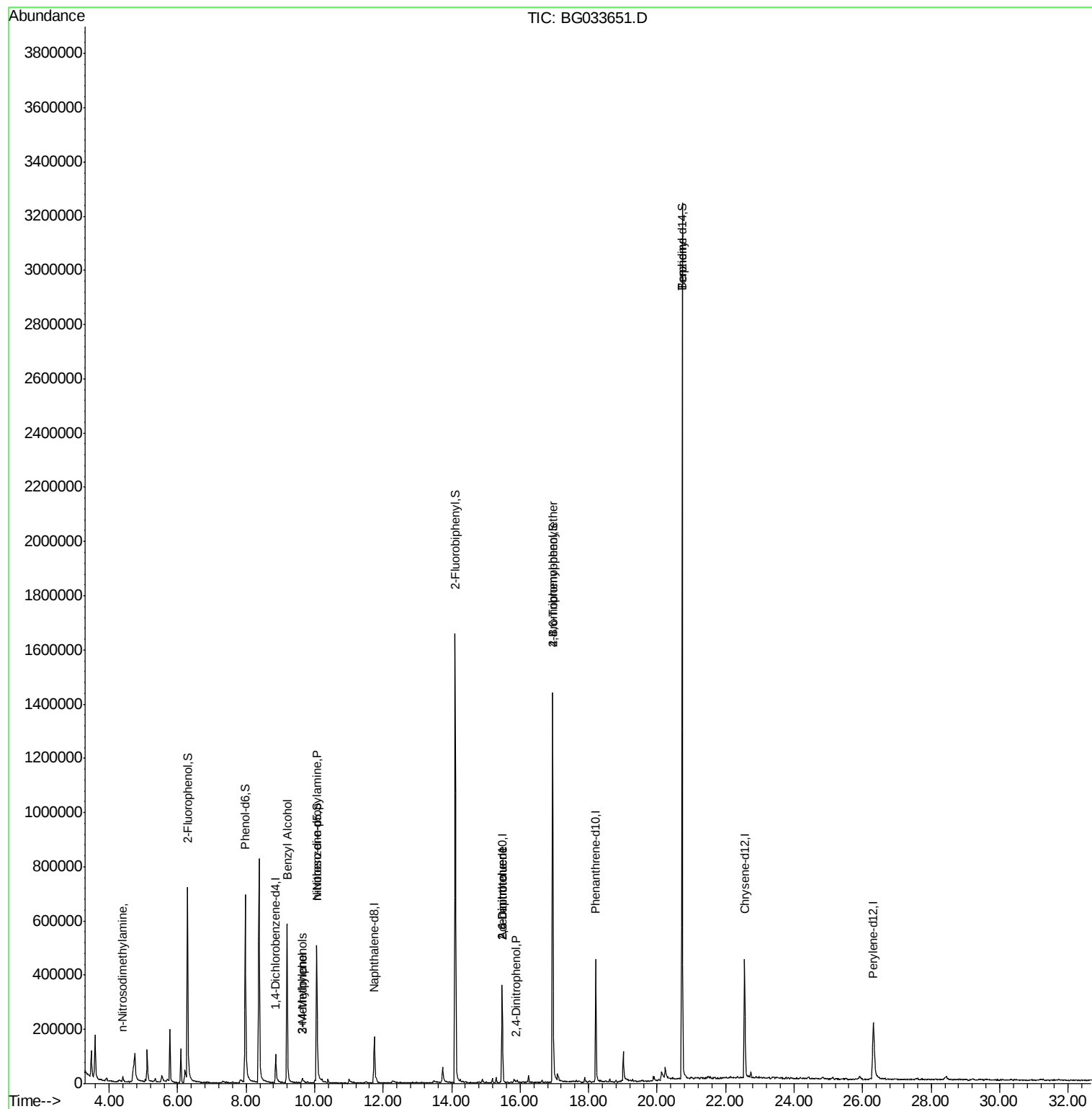
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
4) n-Nitrosodimethylamine	4.40	42	2342	2.021	ng	# 23
15) Benzyl Alcohol	9.19	79	6153	2.261	ng	# 46
17) 2-Methylphenol	9.64	107	13430	5.778	ng	# 65
19) n-Nitroso-di-n-propylamine	10.06	70	52222	20.621	ng	# 80
20) 3+4-Methylphenols	9.64	107	13430	4.058	ng	# 85
50) 2,6-Dinitrotoluene	15.48	165	16505	6.939	ng	# 21
53) 2,4-Dinitrophenol	15.88	184	55	7.683	ng	# 1
56) 2,4-Dinitrotoluene	15.48	165	16505	4.713	ng	# 19
66) 4-Bromophenyl-phenylether	16.95	248	22198	5.905	ng	# 1
76) Benzidine	20.73	184	27831	3.136	ng	# 98

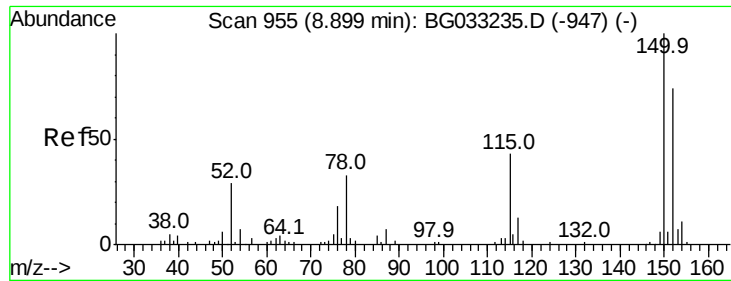
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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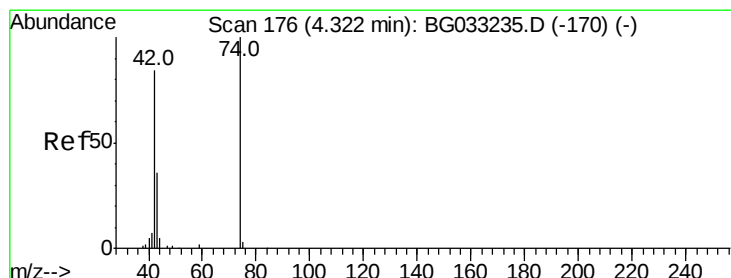
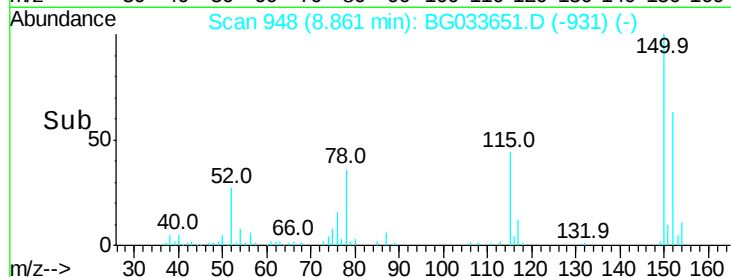
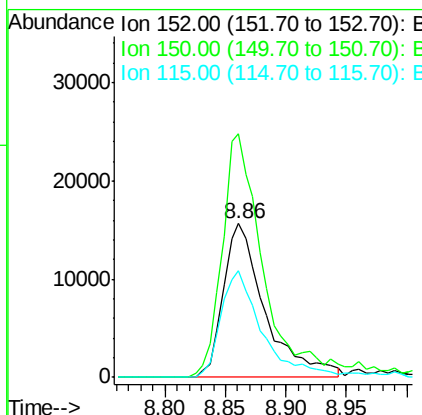
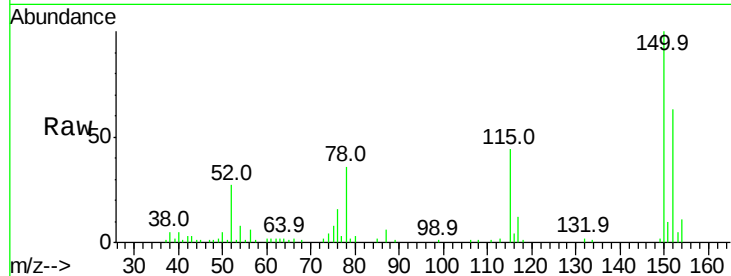


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.86 min Scan# 948
Delta R.T. -0.00 min
Lab File: BG033651.D
Acq: 7 Apr 2018 5:32

Instrument :
BNA_G
ClientSampleId :

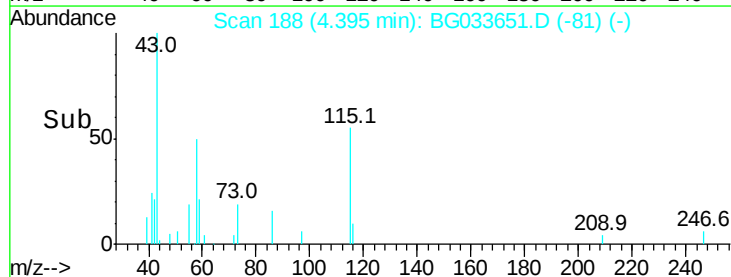
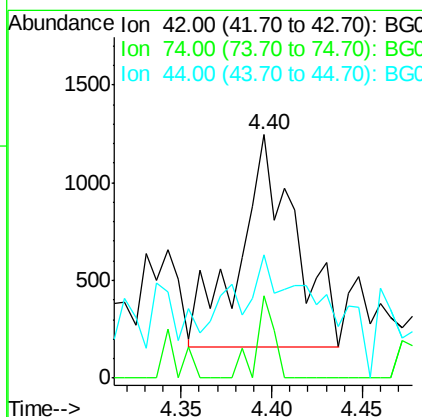
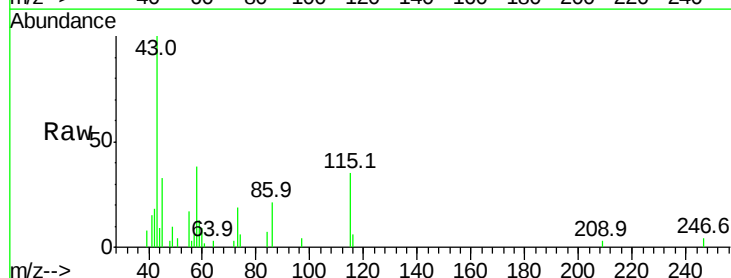
Tot Ion:152 Resp: 37716
Ion Ratio Lower Upper
152 100
150 158.5 126.6 189.8
115 69.5 53.0 79.4

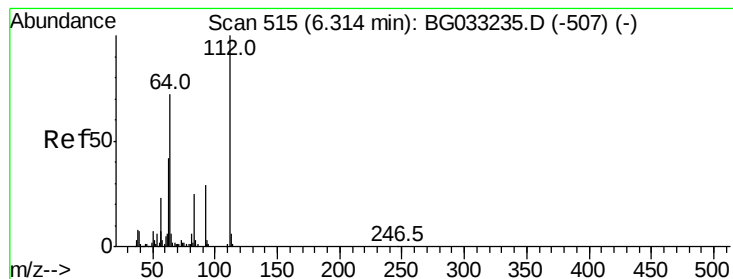


#4

n-Nitrosodimethylamine
Concen: 2.021 ng
RT: 4.40 min Scan# 188
Delta R.T. 0.10 min
Lab File: BG033651.D
Acq: 7 Apr 2018 5:32

Tgt Ion: 42 Resp: 2342
Ion Ratio Lower Upper
42 100
74 33.9 102.5 153.7#
44 50.7 18.9 28.3#





#5

2-Fluorophenol

Concen: 170.327 ng

RT: 6.29 min Scan# 510

Delta R.T. -0.00 min

Lab File: BG033651.D

Acq: 7 Apr 2018 5:32

Instrument :

BNA_G

ClientSampleId :

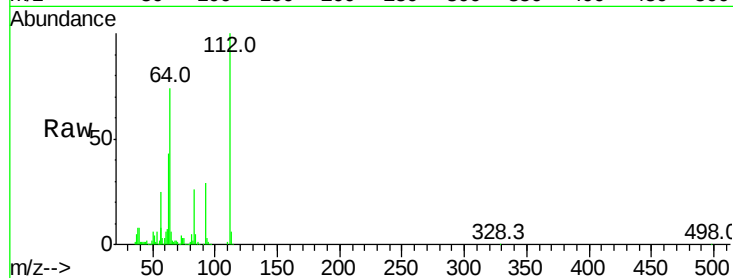
Tot Ion:112 Resp: 342594

Ion Ratio Lower Upper

112 100

64 73.6 56.3 84.5

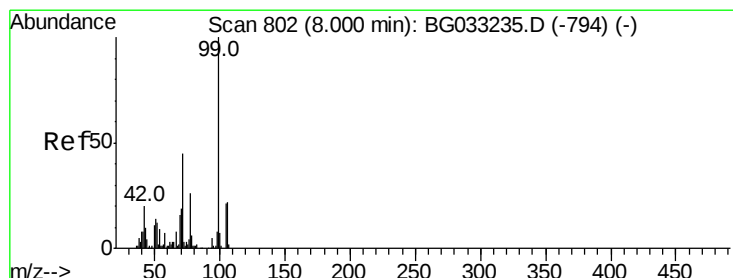
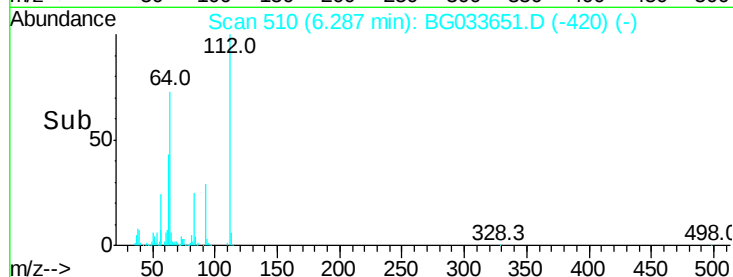
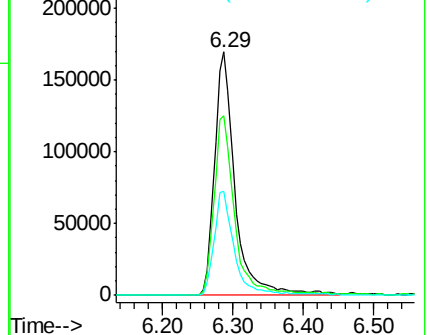
63 43.0 30.1 45.1



Abundance Ion 112.00 (111.70 to 112.70): BGC

Ion 64.00 (63.70 to 64.70): BGC

Ion 63.00 (62.70 to 63.70): BGC



#7

Phenol-d6

Concen: 139.065 ng

RT: 7.97 min Scan# 797

Delta R.T. 0.00 min

Lab File: BG033651.D

Acq: 7 Apr 2018 5:32

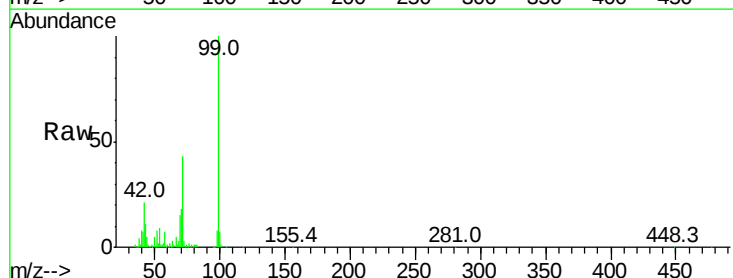
Tgt Ion: 99 Resp: 480607

Ion Ratio Lower Upper

99 100

42 21.1 14.1 21.1

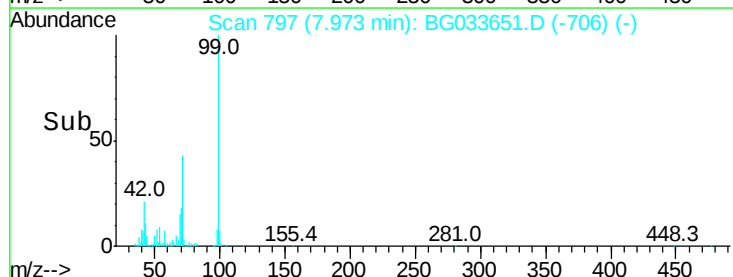
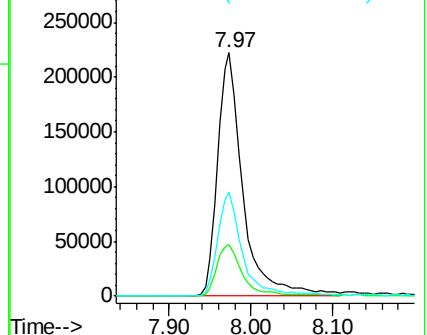
71 42.7 26.1 39.1#

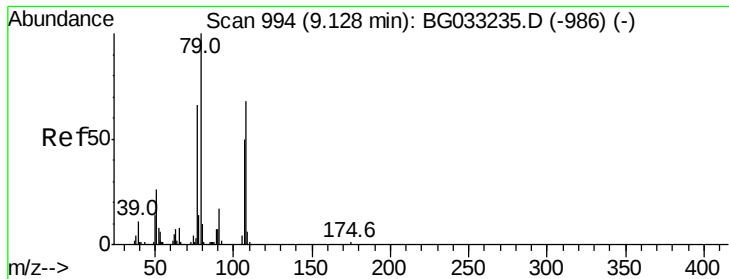


Abundance Ion 99.00 (98.70 to 99.70): BGC

Ion 42.00 (41.70 to 42.70): BGC

Ion 71.00 (70.70 to 71.70): BGC





#15

Benzyl Alcohol

Concen: 2.261 ng

RT: 9.19 min Scan# 1004

Delta R.T. 0.09 min

Lab File: BG033651.D

Acq: 7 Apr 2018 5:32

Instrument :

BNA_G

ClientSampled :

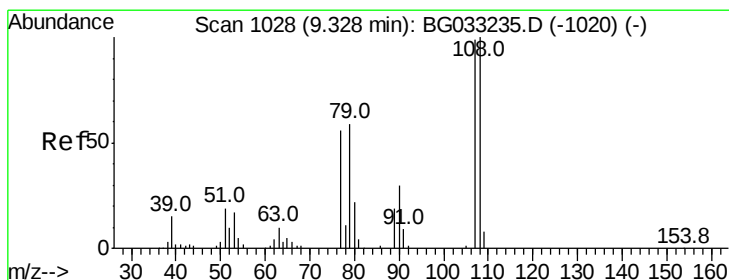
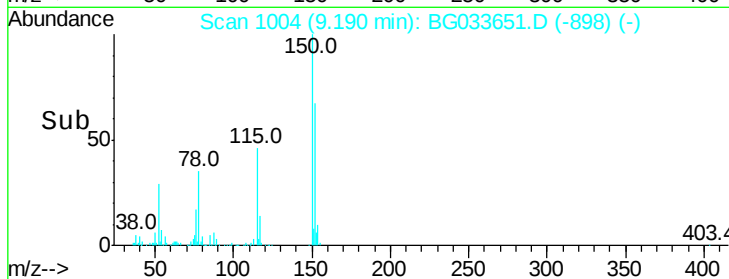
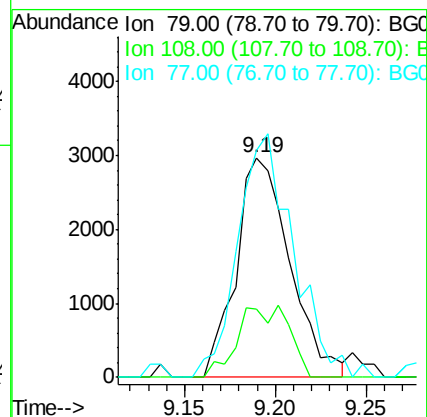
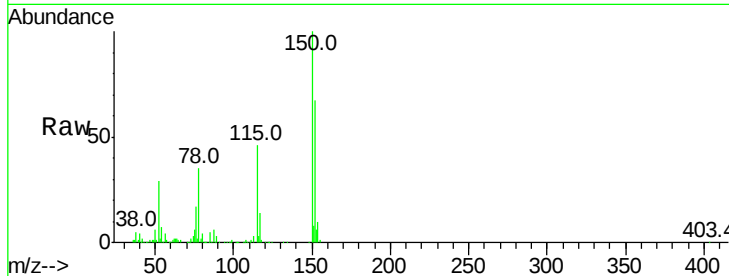
Tot Ion: 79 Resp: 6153

Ion Ratio Lower Upper

79 100

108 31.3 57.2 85.8#

77 103.5 46.1 69.1#



#17

2-Methylphenol

Concen: 5.778 ng

RT: 9.64 min Scan# 1080

Delta R.T. 0.34 min

Lab File: BG033651.D

Acq: 7 Apr 2018 5:32

Tgt Ion: 107 Resp: 13430

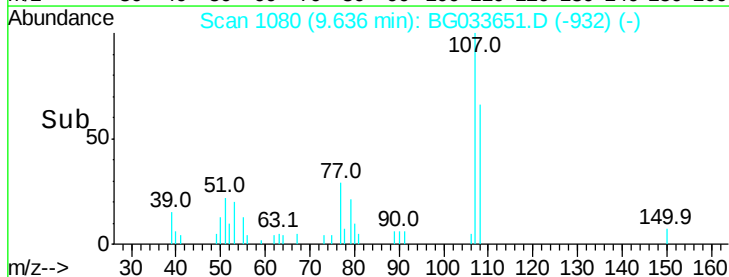
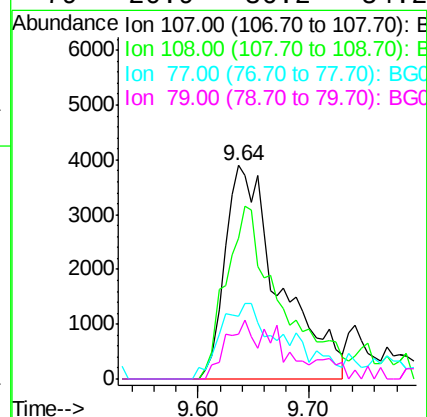
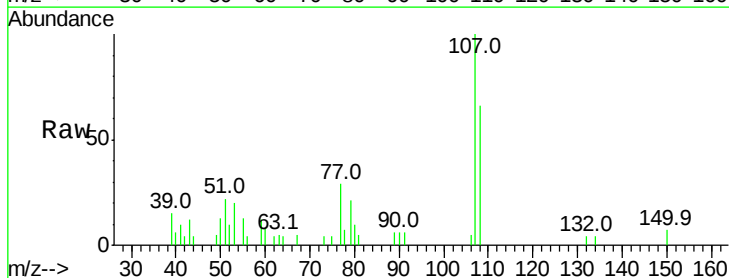
Ion Ratio Lower Upper

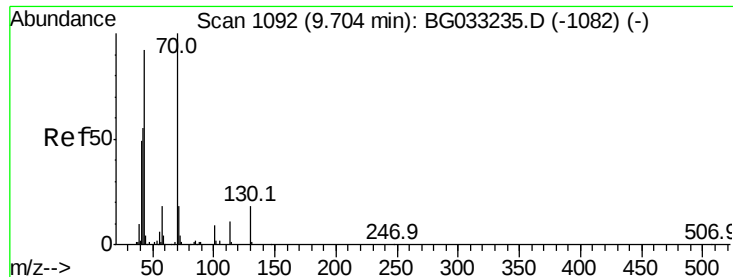
107 100

108 66.0 83.9 125.9#

77 29.4 37.2 55.8#

79 20.9 36.2 54.2#





#19

n-Nitroso-di-n-propylamine

Concen: 20.621 ng

RT: 10.06 min Scan# 1152

Delta R.T. 0.40 min

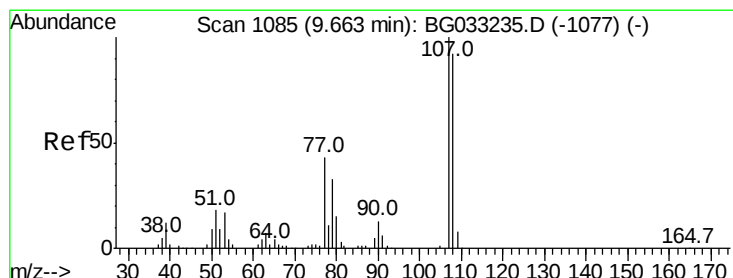
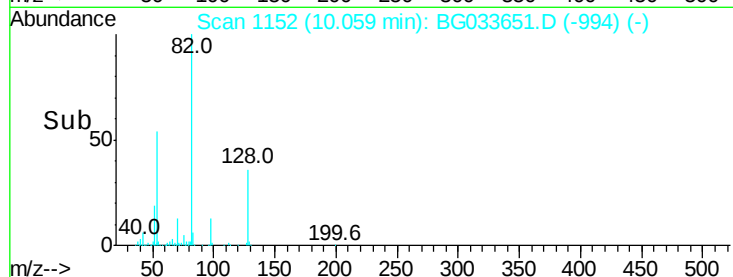
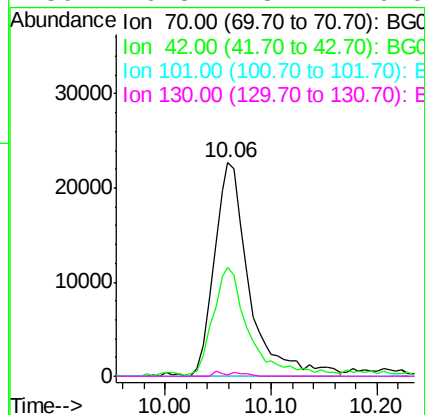
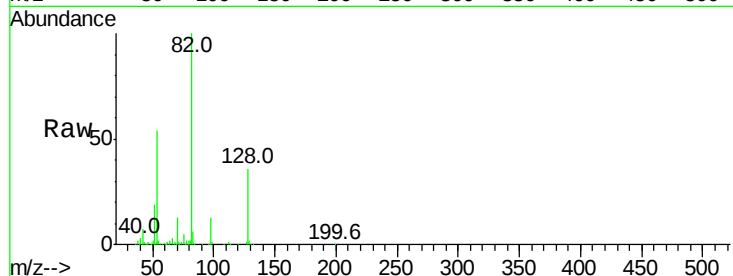
Lab File: BG033651.D

Acq: 7 Apr 2018 5:32

Instrument :
BNA_G
ClientSampleId :

Tot Ion: 70 Resp: 52222

Ion	Ratio	Lower	Upper
70	100		
42	50.8	49.1	73.7
101	0.0	8.5	12.7#
130	0.8	13.4	20.0#



#20

3+4-Methylphenols

Concen: 4.058 ng

RT: 9.64 min Scan# 1080

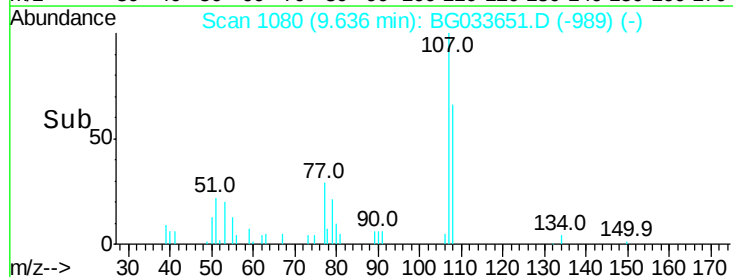
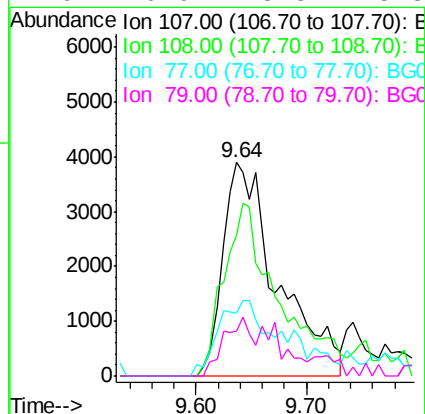
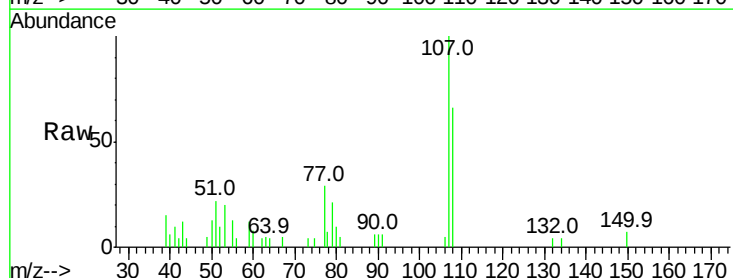
Delta R.T. 0.00 min

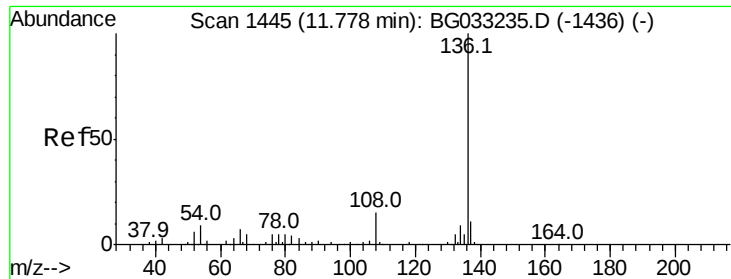
Lab File: BG033651.D

Acq: 7 Apr 2018 5:32

Tgt Ion: 107 Resp: 13430

Ion	Ratio	Lower	Upper
107	100		
108	66.0	61.6	101.6
77	29.4	13.9	53.9
79	20.9	8.8	48.8

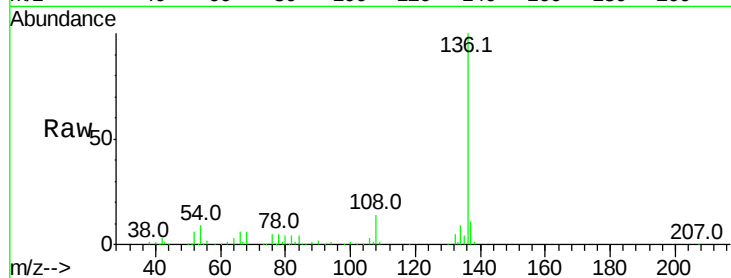




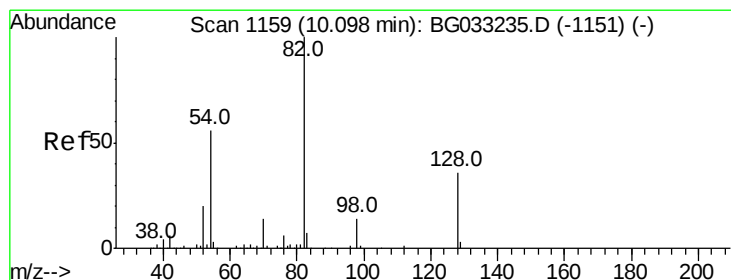
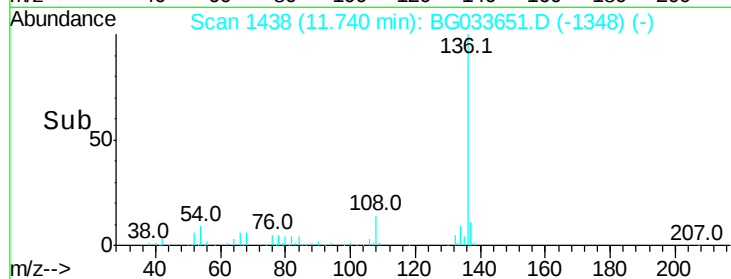
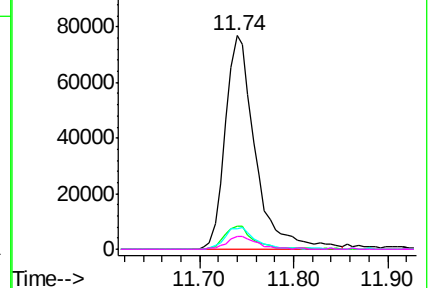
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.74 min Scan# 1438
Delta R.T. -0.00 min
Lab File: BG033651.D
Acq: 7 Apr 2018 5:32

Instrument :
BNA_G
ClientSampleId :

Tot Ion:136	Resp:	170922
Ion Ratio	Lower	Upper
136	100	
137	10.7	9.2 13.8
54	9.5	10.3 15.5
68	5.8	4.5 6.7

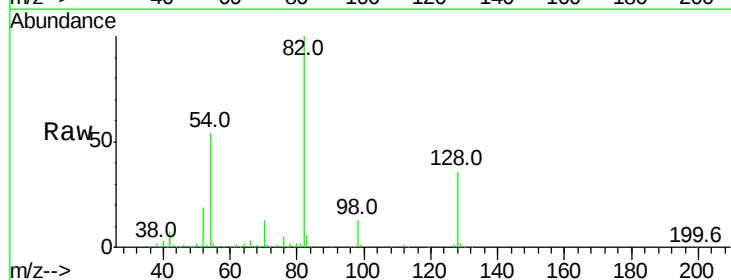


Abundance Ion 136.00 (135.70 to 136.70): BGC
Ion 137.00 (136.70 to 137.70): BGC
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

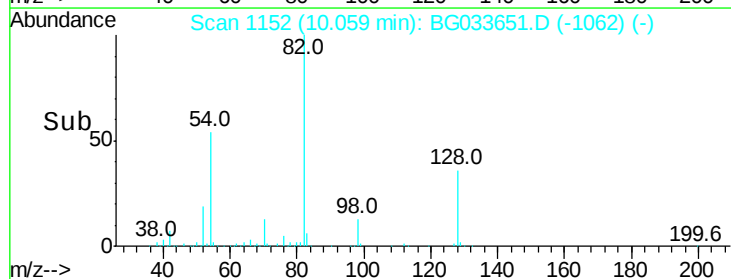
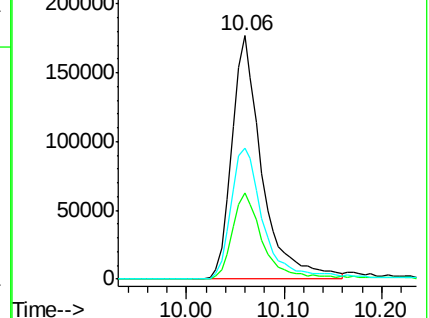


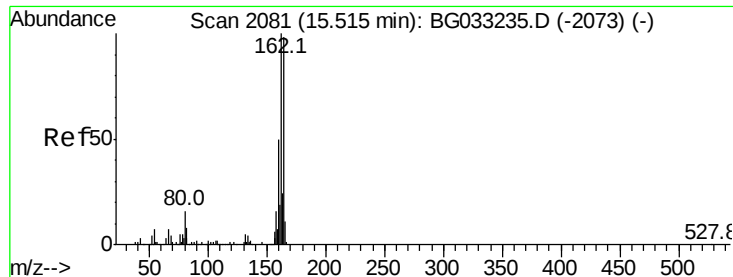
#23
Nitrobenzene-d5
Concen: 101.935 ng
RT: 10.06 min Scan# 1152
Delta R.T. -0.00 min
Lab File: BG033651.D
Acq: 7 Apr 2018 5:32

Tgt Ion: 82	Resp:	379219
Ion Ratio	Lower	Upper
82	100	
128	35.6	29.7 44.5
54	53.5	43.1 64.7



Abundance Ion 82.00 (81.70 to 82.70): BGC
Ion 128.00 (127.70 to 128.70): BGC
Ion 54.00 (53.70 to 54.70): BGC





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 15.48 min Scan# 2074

Delta R.T. -0.00 min

Lab File: BG033651.D

Acq: 7 Apr 2018 5:32

Instrument :

BNA_G

ClientSampleId :

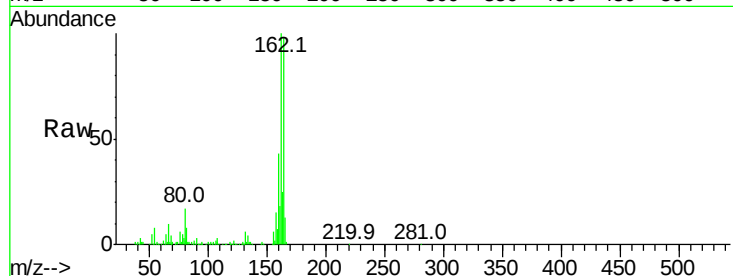
Tot Ion:164 Resp: 133667

Ion Ratio Lower Upper

164 100

162 102.2 78.8 118.2

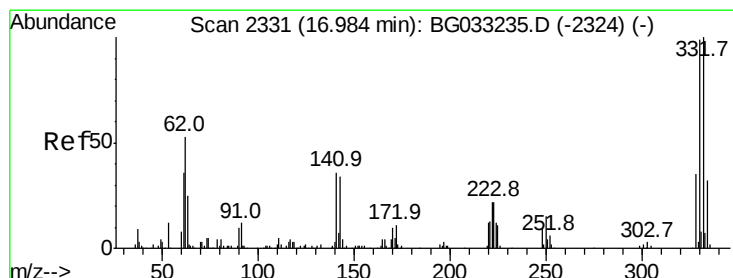
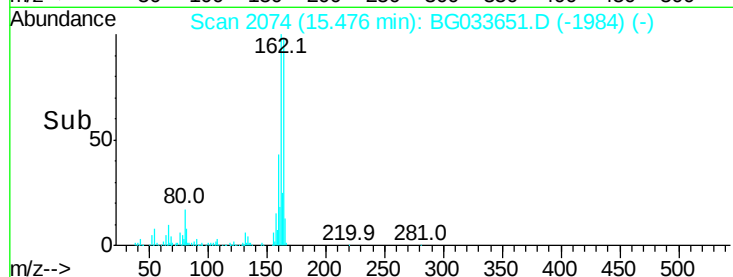
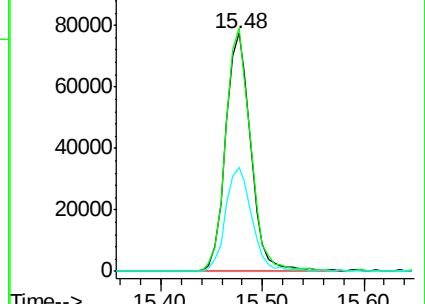
160 43.9 35.4 53.0



Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#41

2,4,6-Tribromophenol

Concen: 138.227 ng

RT: 16.95 min Scan# 2325

Delta R.T. -0.00 min

Lab File: BG033651.D

Acq: 7 Apr 2018 5:32

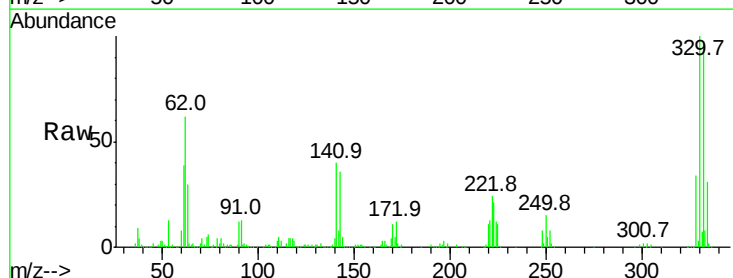
Tgt Ion:330 Resp: 276335

Ion Ratio Lower Upper

330 100

332 96.4 77.0 115.6

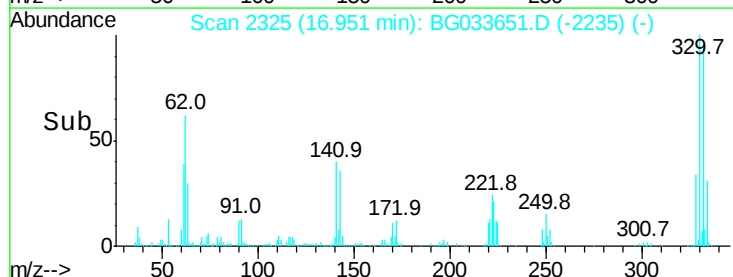
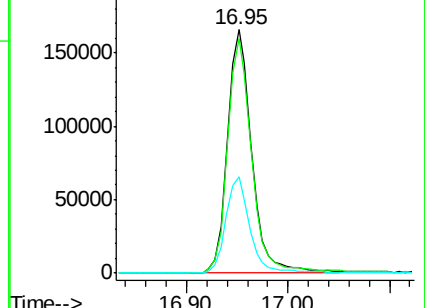
141 39.2 25.2 37.8#

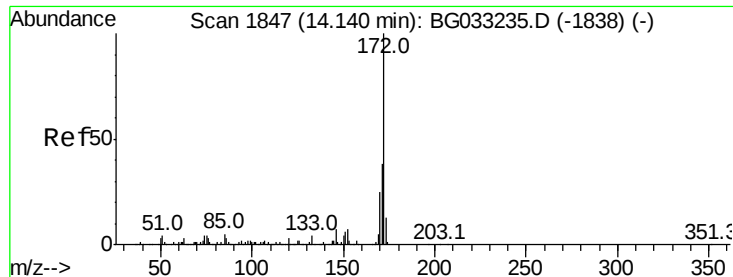


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

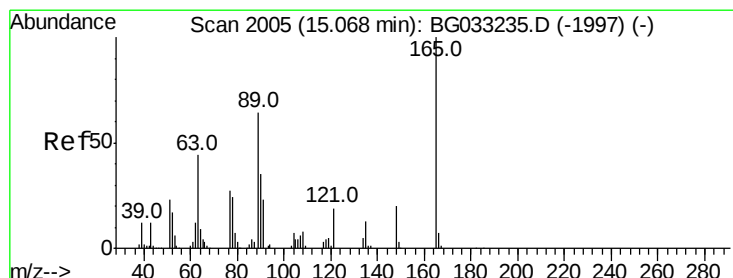
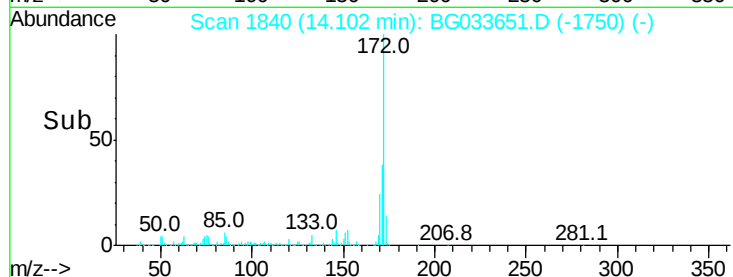
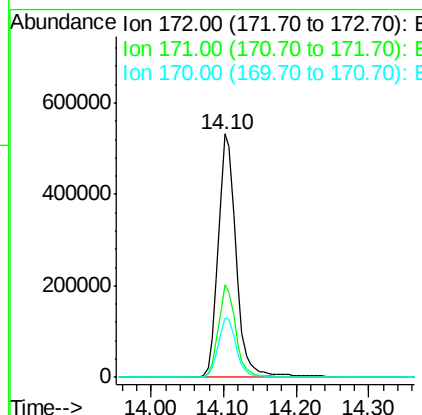
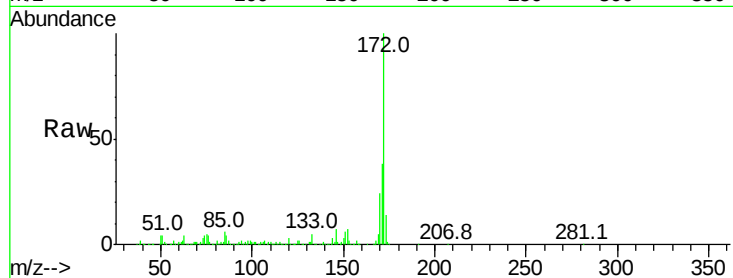




#44
2-Fluorobiphenyl
Concen: 99.420 ng
RT: 14.10 min Scan# 1840
Delta R.T. -0.00 min
Lab File: BG033651.D
Acq: 7 Apr 2018 5:32

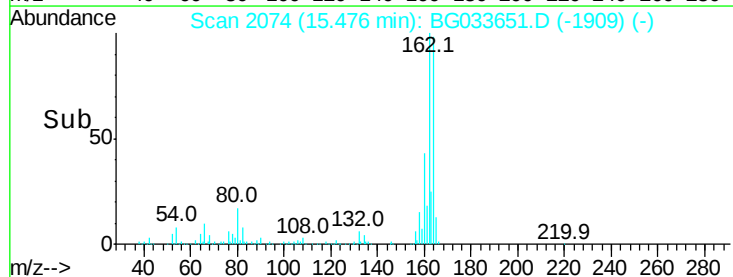
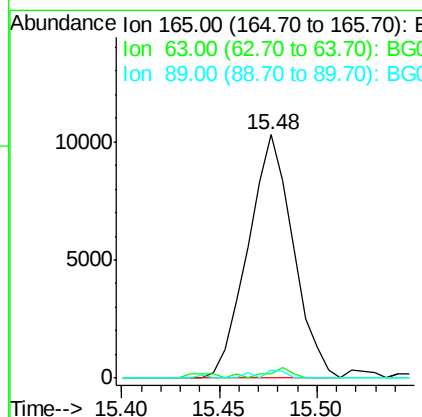
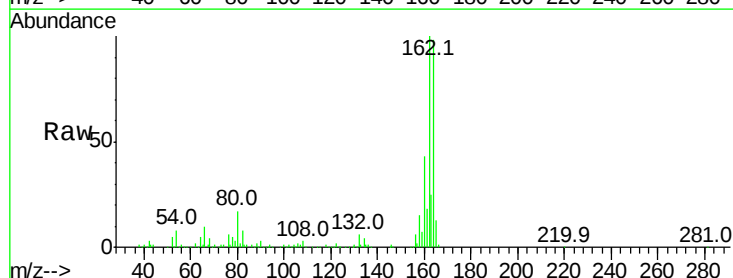
Instrument :
BNA_G
ClientSampleId :

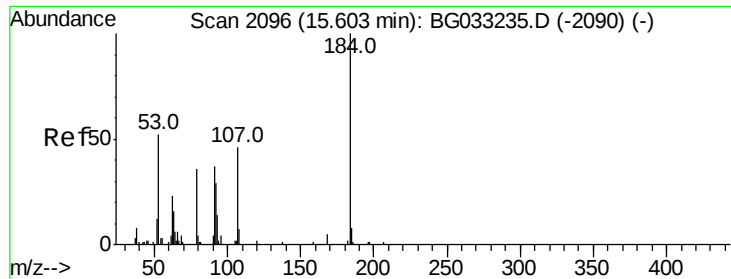
Tot Ion:172 Resp: 920538
Ion Ratio Lower Upper
172 100
171 38.2 30.0 45.0
170 24.4 19.5 29.3



#50
2,6-Dinitrotoluene
Concen: 6.939 ng
RT: 15.48 min Scan# 2074
Delta R.T. 0.44 min
Lab File: BG033651.D
Acq: 7 Apr 2018 5:32

Tgt Ion:165 Resp: 16505
Ion Ratio Lower Upper
165 100
63 1.6 52.7 79.1#
89 3.2 49.2 73.8#





#53

2,4-Dinitrophenol

Concen: 7.683 ng

RT: 15.88 min Scan# 2143

Delta R.T. 0.30 min

Lab File: BG033651.D

Acq: 7 Apr 2018 5:32

Instrument :

BNA_G

ClientSampleId :

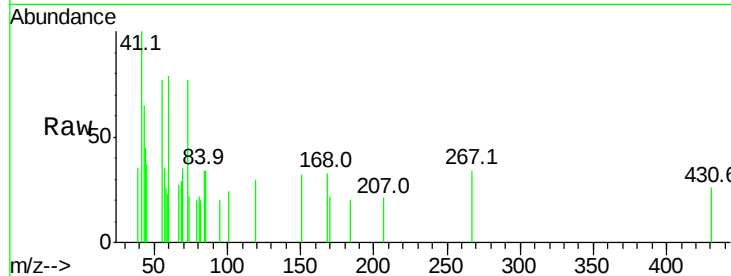
Tot Ion:184 Resp: 55

Ion Ratio Lower Upper

184 100

63 0.0 59.8 89.8#

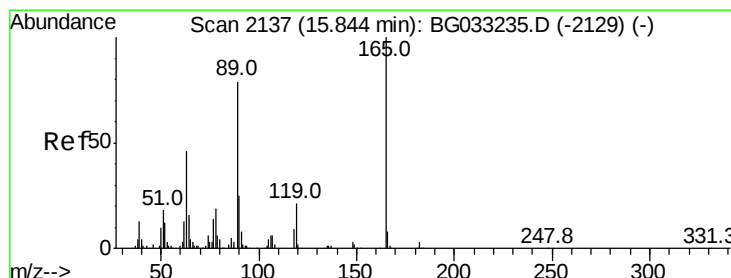
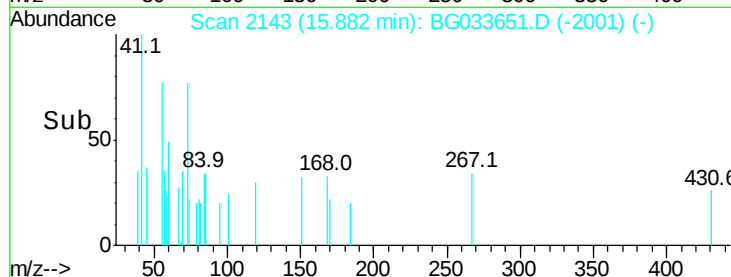
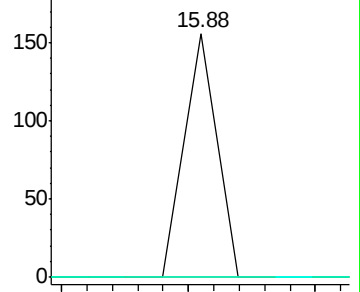
154 0.0 101.8 152.8#



Abundance Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BGC

Ion 154.00 (153.70 to 154.70): E



#56

2,4-Dinitrotoluene

Concen: 4.713 ng

RT: 15.48 min Scan# 2074

Delta R.T. -0.34 min

Lab File: BG033651.D

Acq: 7 Apr 2018 5:32

Tgt Ion:165 Resp: 16505

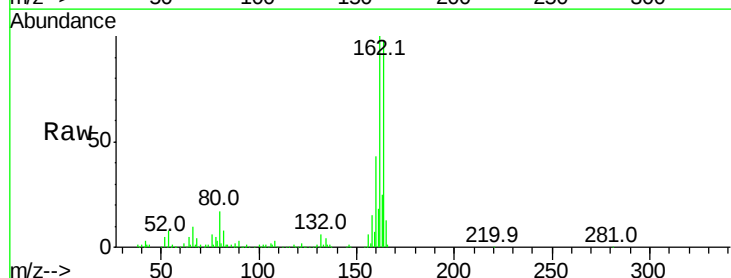
Ion Ratio Lower Upper

165 100

63 1.6 42.0 63.0#

89 3.2 66.9 100.3#

182 0.0 2.6 3.8#

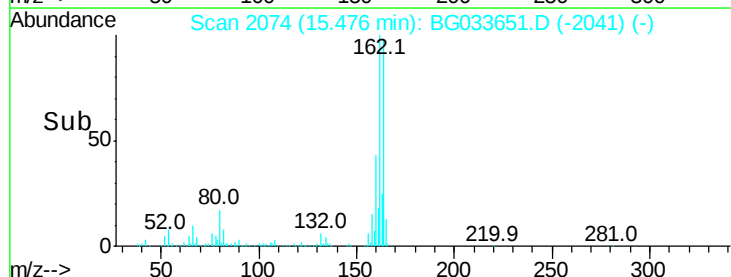
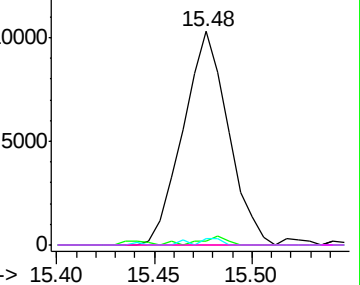


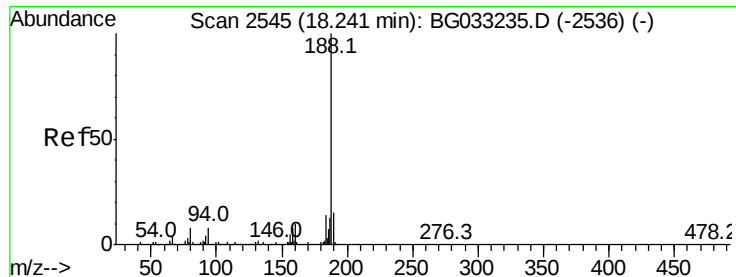
Abundance Ion 165.00 (164.70 to 165.70): E

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: 18.21 min Scan# 2539

Delta R.T. -0.00 min

Lab File: BG033651.D

Acq: 7 Apr 2018 5:32

Instrument :

BNA_G

ClientSampled :

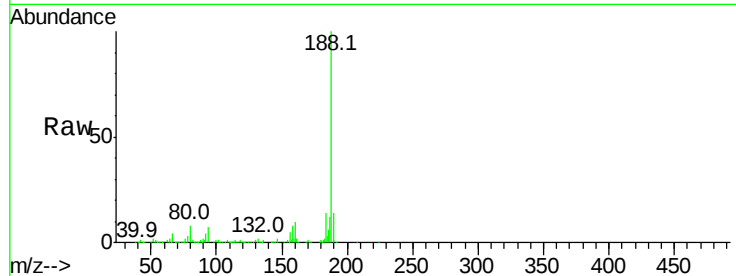
Tot Ion:188 Resp: 320117

Ion Ratio Lower Upper

188 100

94 7.2 6.9 10.3

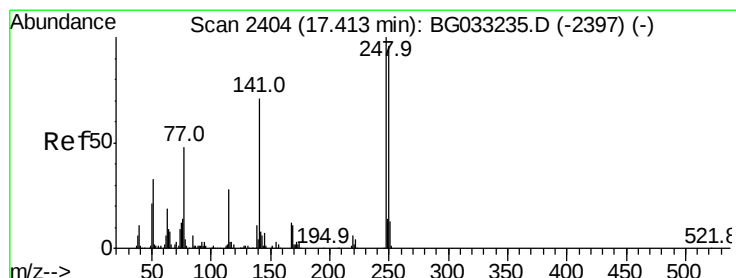
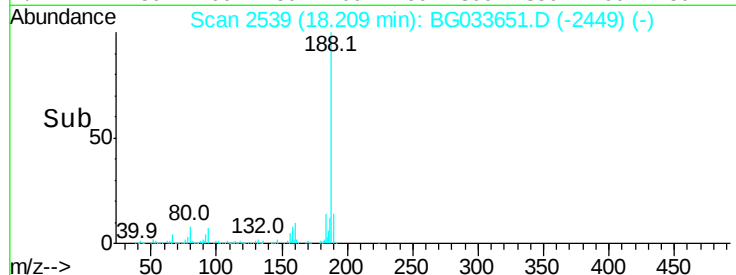
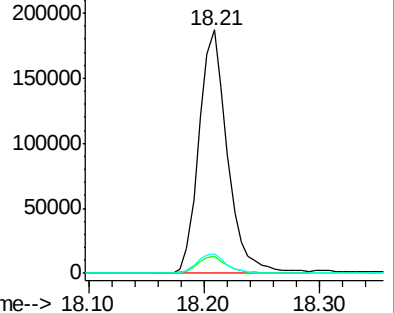
80 8.0 7.7 11.5



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BG

Ion 80.00 (79.70 to 80.70): BG



#66

4-Bromophenyl-phenylether

Concen: 5.905 ng

RT: 16.95 min Scan# 2325

Delta R.T. -0.43 min

Lab File: BG033651.D

Acq: 7 Apr 2018 5:32

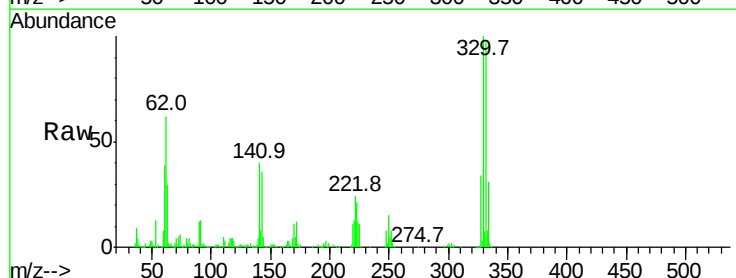
Tgt Ion:248 Resp: 22198

Ion Ratio Lower Upper

248 100

250 182.4 77.1 115.7#

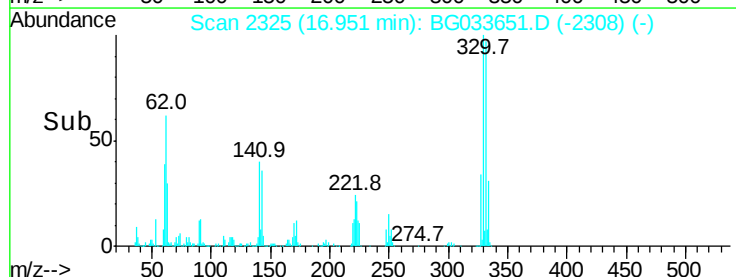
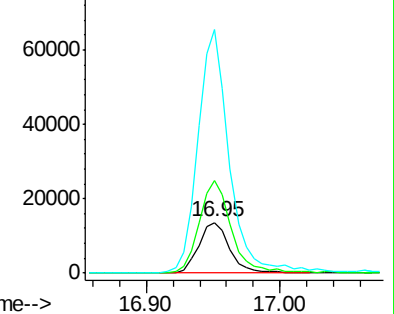
141 482.2 50.8 76.2#

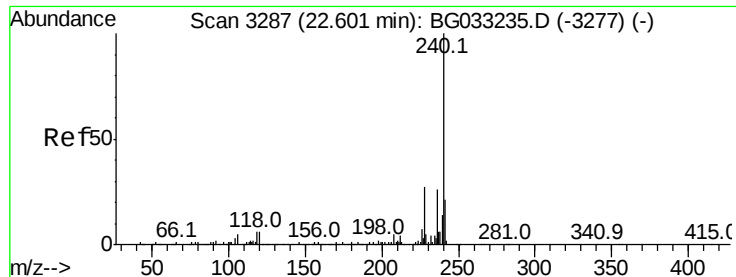


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#75

Chrvsene-d12

Concen: 20.000 ng

RT: 22.55 min Scan# 3278

Delta R.T. -0.01 min

Lab File: BG033651.D

Acq: 7 Apr 2018 5:32

Instrument :

BNA_G

ClientSampleId :

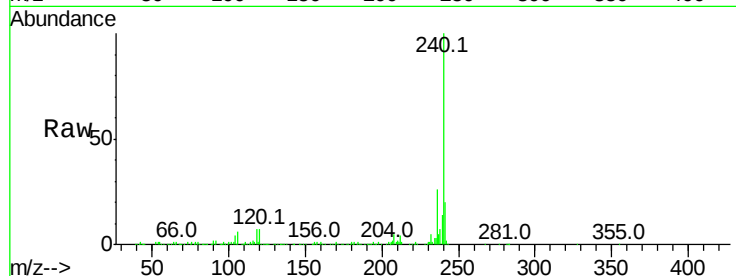
Tot Ion:240 Resp: 327231

Ion Ratio Lower Upper

240 100

120 7.2 6.8 10.2

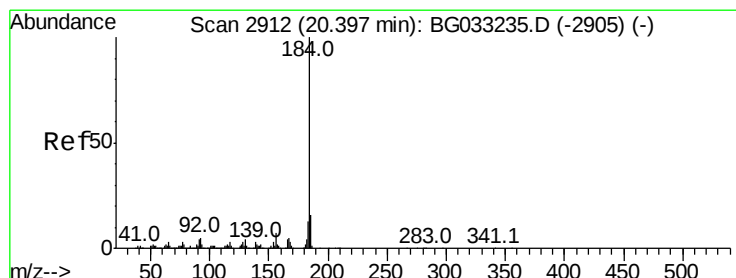
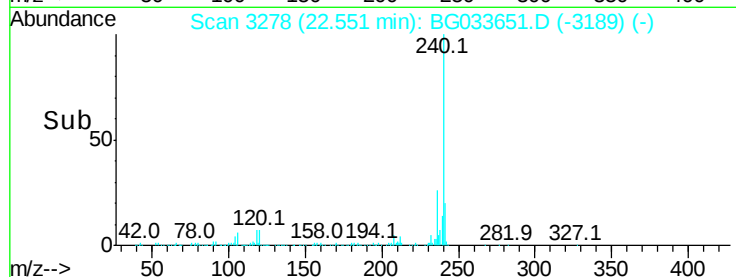
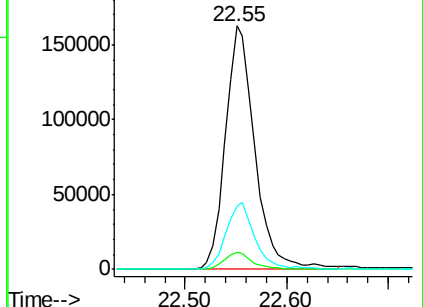
236 26.2 20.9 31.3



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: 3.136 ng

RT: 20.73 min Scan# 2968

Delta R.T. 0.36 min

Lab File: BG033651.D

Acq: 7 Apr 2018 5:32

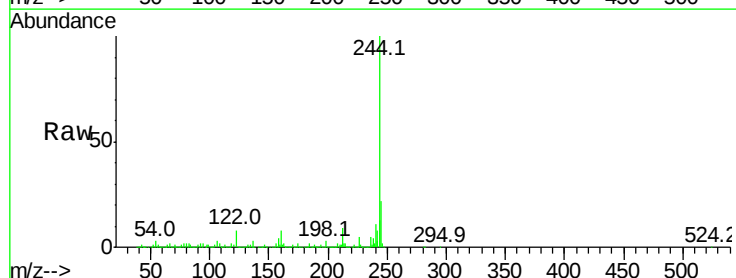
Tgt Ion:184 Resp: 27831

Ion Ratio Lower Upper

184 100

185 14.9 11.1 16.7

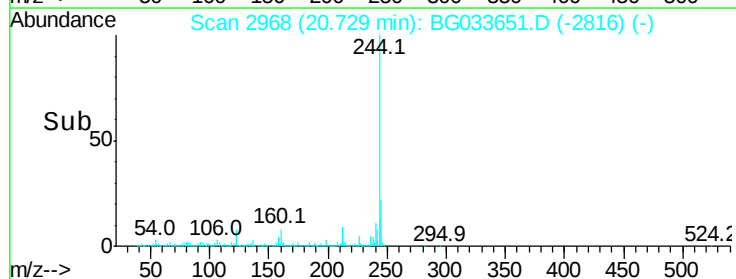
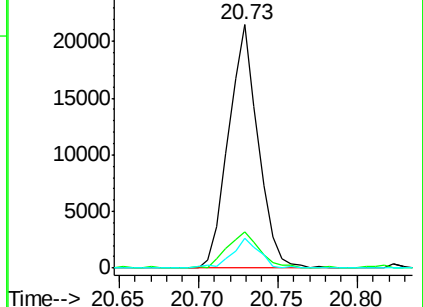
183 12.5 10.6 16.0

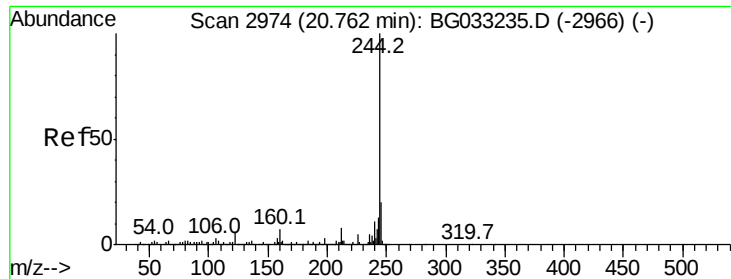


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#78

Terphenyl-d14

Concen: 104.809 ng

RT: 20.73 min Scan# 2968

Delta R.T. 0.00 min

Lab File: BG033651.D

Acq: 7 Apr 2018 5:32

Instrument :

BNA_G

ClientSampled :

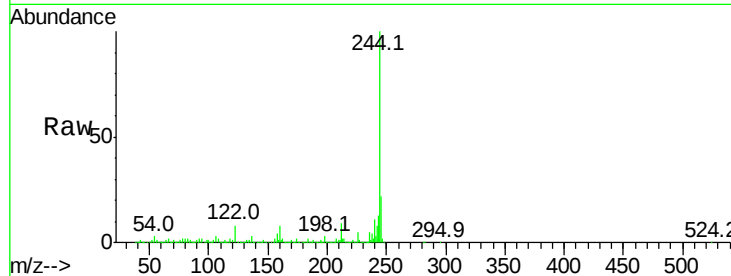
Tot Ion:244 Resp: 1603690

Ion Ratio Lower Upper

244 100

212 8.6 5.8 8.8

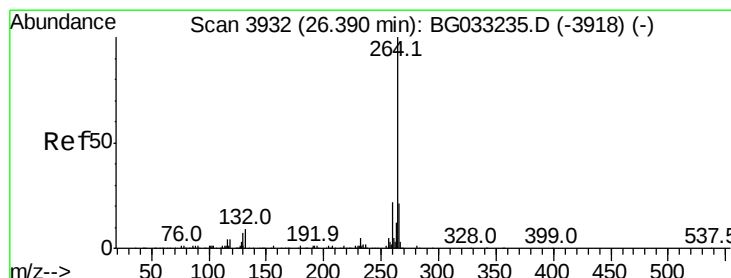
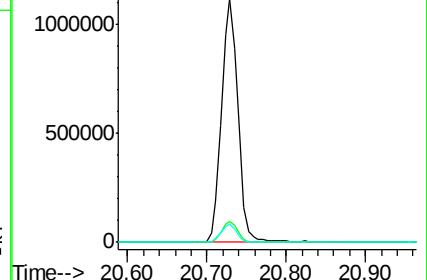
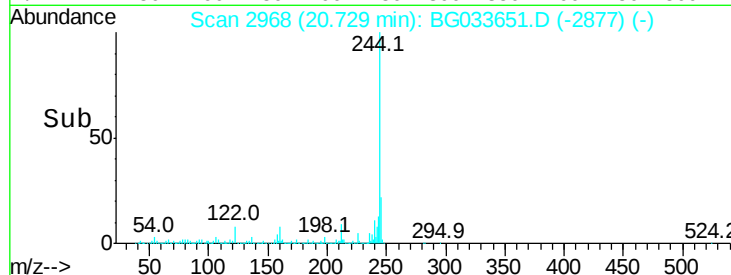
122 7.6 7.0 10.4



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

Perylene-d12

Concen: 20.000 ng

RT: 26.31 min Scan# 3918

Delta R.T. -0.01 min

Lab File: BG033651.D

Acq: 7 Apr 2018 5:32

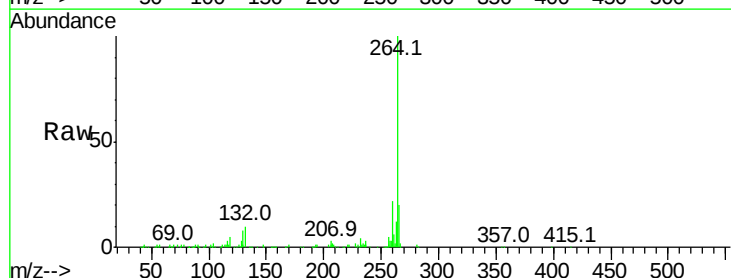
Tgt Ion:264 Resp: 322864

Ion Ratio Lower Upper

264 100

260 22.4 17.4 26.0

265 20.0 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

