

Data Path : Z:\HPCHEM1\BNA G\DATA\BG031518\
 Data File : BG033178.D
 Acq On : 15 Mar 2018 15:59
 Operator : SJ/JU
 Sample : J1752-02
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Mar 16 04:50:39 2018
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG022118.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Mar 14 13:59:34 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.90	152	32061	20.00	ng	0.00
21) Naphthalene-d8	11.78	136	135600	20.00	ng	0.00
38) Acenaphthene-d10	15.52	164	77353	20.00	ng	0.00
63) Phenanthrene-d10	18.24	188	202969	20.00	ng	0.00
75) Chrysene-d12	22.60	240	210514	20.00	ng	0.00
86) Perylene-d12	26.40	264	233205	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	6.32	112	282771	141.10	ng	0.00
7) Phenol-d6	8.00	99	343903	123.12	ng	0.00
23) Nitrobenzene-d5	10.10	82	255222	125.29	ng	0.00
41) 2,4,6-Tribromophenol	16.99	330	204912	251.94	ng	0.00
44) 2-Fluorobiphenyl	14.14	172	569773	106.23	ng	0.00
78) Terphenyl-d14	20.76	244	1083837	115.67	ng	0.00

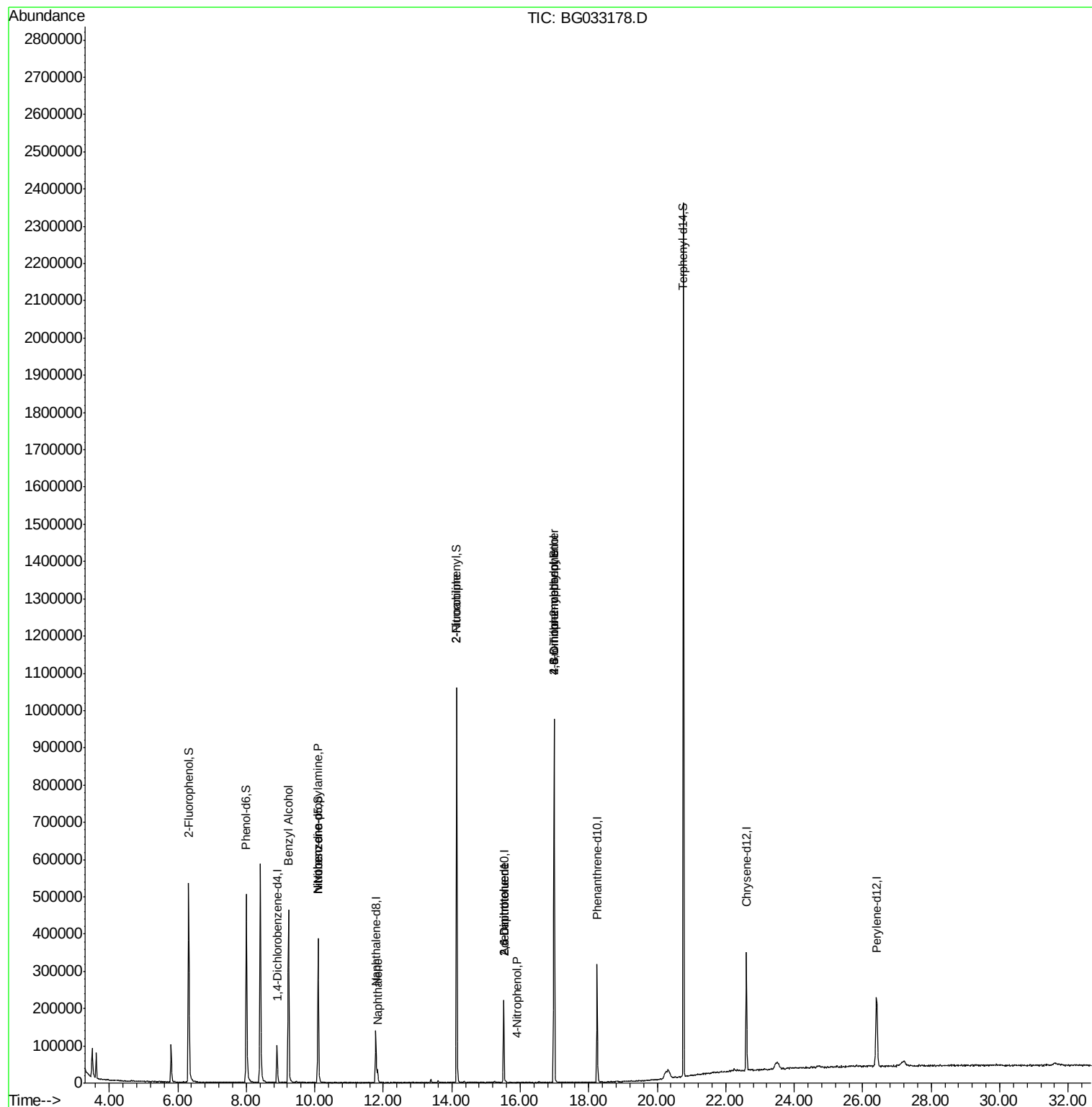
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
15) Benzyl Alcohol	9.23	79	4207	2.049	ng	# 42
19) n-Nitroso-di-n-propylamine	10.10	70	35102	17.800	ng	# 79
24) Nitrobenzene	10.10	77	789	6.697	ng	# 42
31) Naphthalene	11.83	128	31821	4.491	ng	# 97
47) 2-Nitroaniline	14.14	65	1077	10.508	ng	# 1
50) 2,6-Dinitrotoluene	15.51	165	9964	16.365	ng	# 18
55) 4-Nitrophenol	15.91	139	346	7.374	ng	# 1
56) 2,4-Dinitrotoluene	15.51	165	9964	14.562	ng	# 16
64) 4,6-Dinitro-2-methylphenol	16.99	198	527	6.050	ng	# 1
66) 4-Bromophenyl-phenylether	16.99	248	13431	6.258	ng	# 1

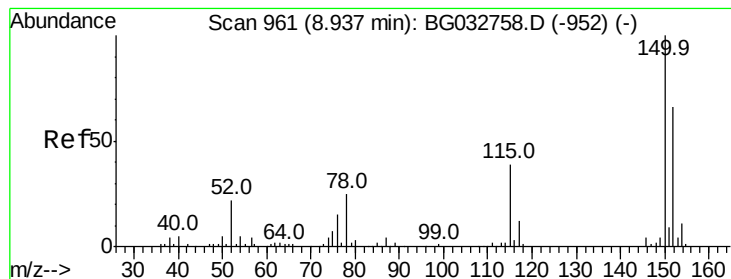
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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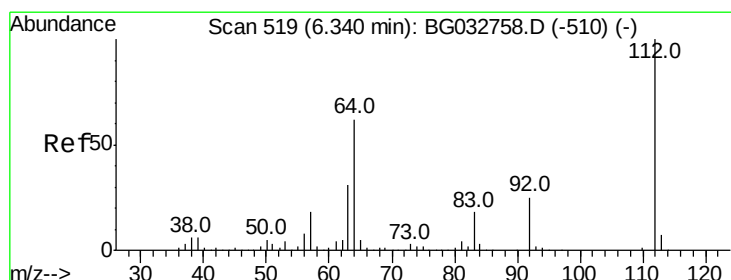
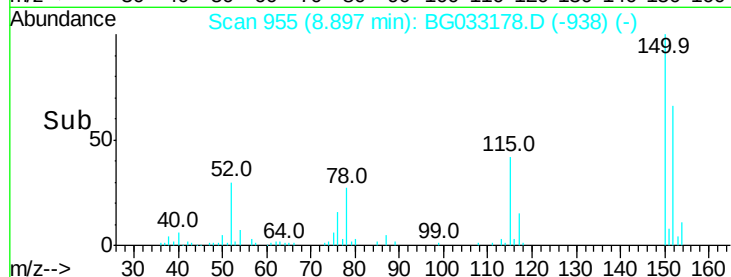
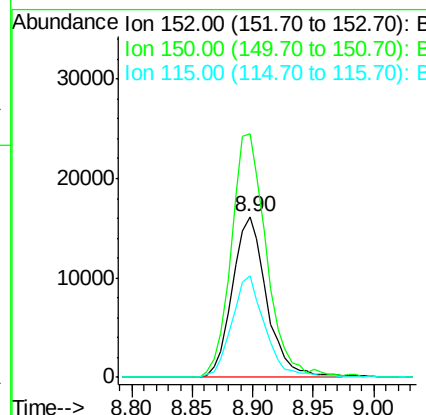
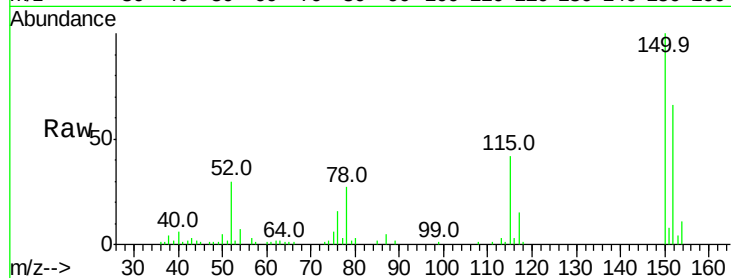


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.90 min Scan# 955
Delta R.T. -0.00 min
Lab File: BG033178.D
Acq: 15 Mar 2018 15:59

Instrument :
BNA_G
ClientSampleId :

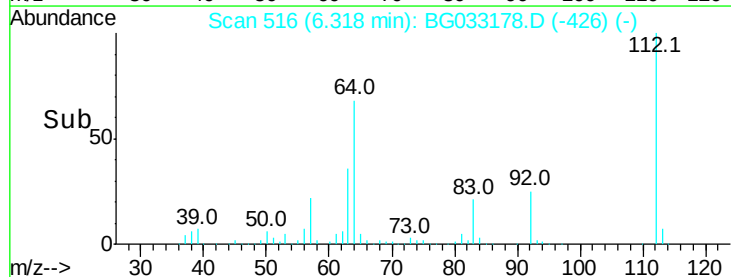
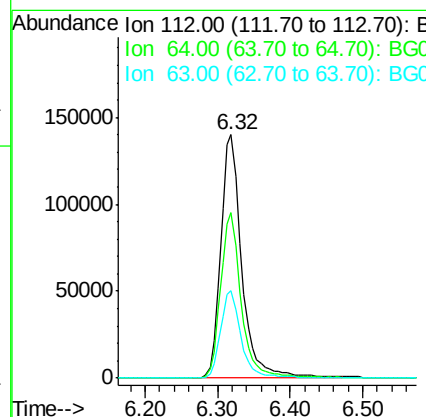
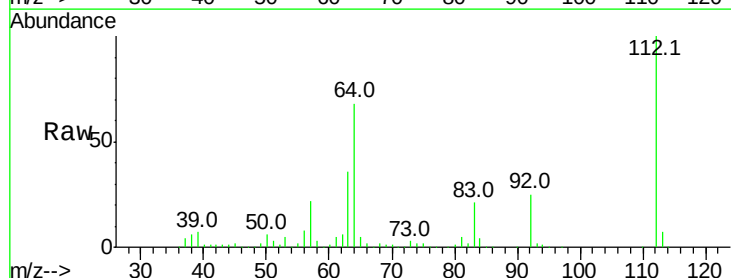
Tot Ion:152 Resp: 32061
Ion Ratio Lower Upper
152 100
150 151.6 126.6 189.8
115 63.0 53.0 79.4

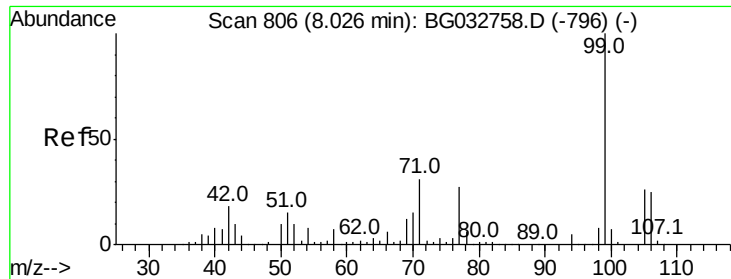


#5

2-Fluorophenol
Concen: 141.104 ng
RT: 6.32 min Scan# 516
Delta R.T. -0.00 min
Lab File: BG033178.D
Acq: 15 Mar 2018 15:59

Tgt Ion:112 Resp: 282771
Ion Ratio Lower Upper
112 100
64 68.0 56.3 84.5
63 36.2 30.1 45.1





#7

Phenol-d6

Concen: 123.118 ng

RT: 8.00 min Scan# 803

Delta R.T. -0.01 min

Lab File: BG033178.D

Acq: 15 Mar 2018 15:59

Instrument :

BNA_G

ClientSampled :

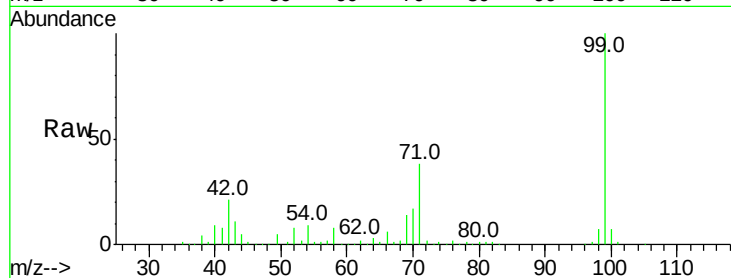
Tot Ion: 99 Resp: 343903

Ion Ratio Lower Upper

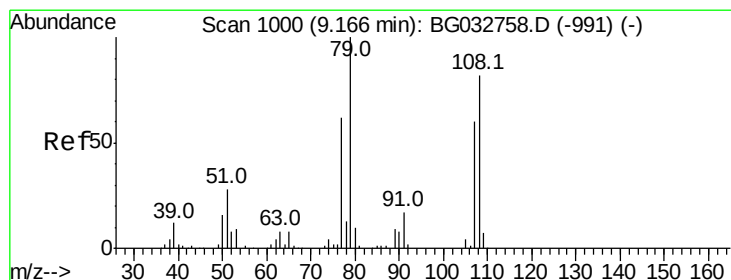
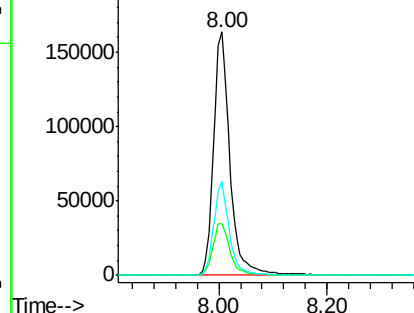
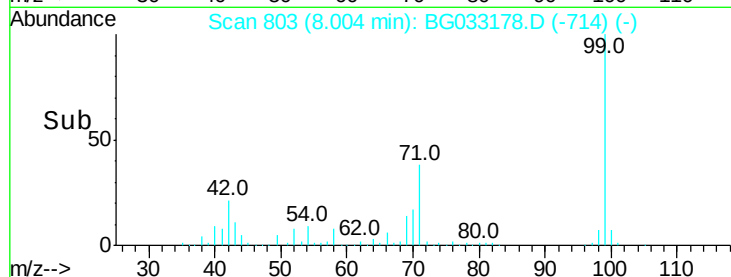
99 100

42 21.4 14.1 21.1#

71 38.5 26.1 39.1



Abundance Ion 99.00 (98.70 to 99.70): BGC
Ion 42.00 (41.70 to 42.70): BGC
Ion 71.00 (70.70 to 71.70): BGC



#15

Benzyl Alcohol

Concen: 2.049 ng

RT: 9.23 min Scan# 1012

Delta R.T. 0.10 min

Lab File: BG033178.D

Acq: 15 Mar 2018 15:59

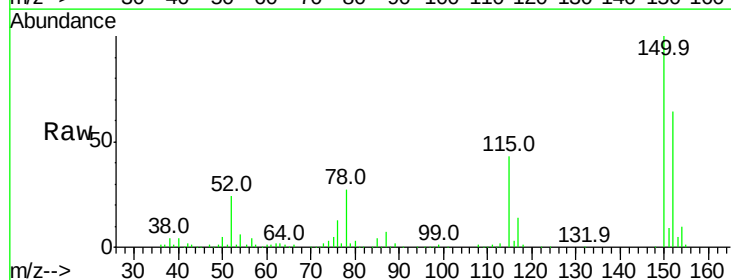
Tgt Ion: 79 Resp: 4207

Ion Ratio Lower Upper

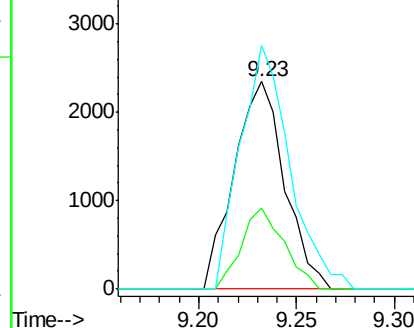
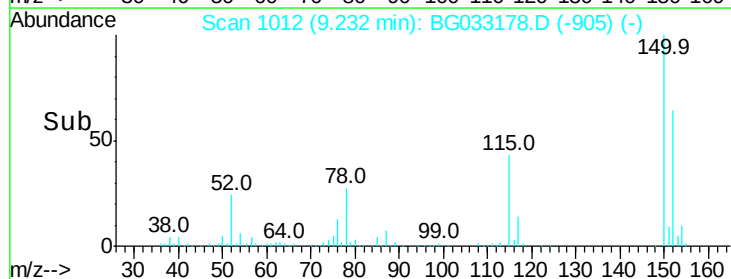
79 100

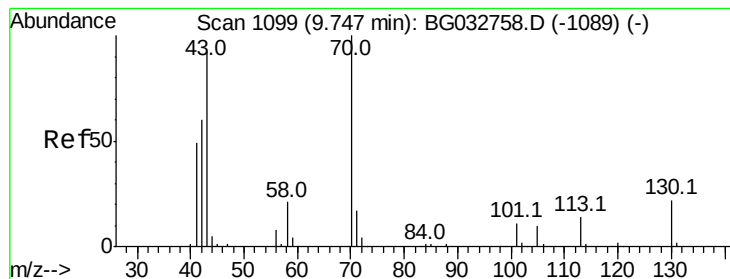
108 39.2 57.2 85.8#

77 117.4 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: 17.800 ng

RT: 10.10 min Scan# 1159

Delta R.T. 0.38 min

Lab File: BG033178.D

Acq: 15 Mar 2018 15:59

Instrument :

BNA_G

ClientSampleId :

Tot Ion: 70 Resp: 35102

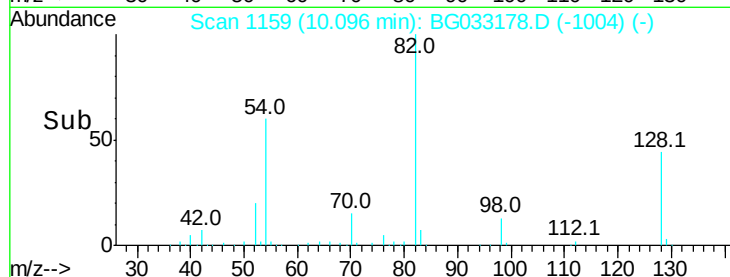
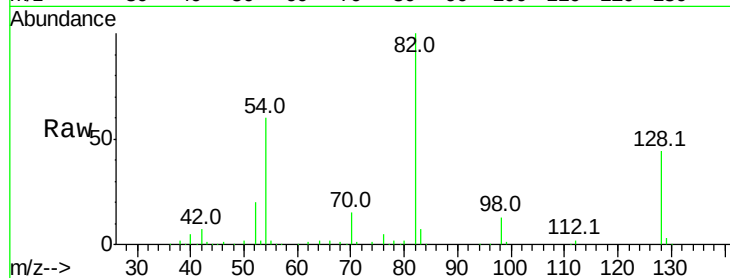
Ion Ratio Lower Upper

70 100

42 48.9 49.1 73.7#

101 0.0 8.5 12.7#

130 2.2 13.4 20.0#

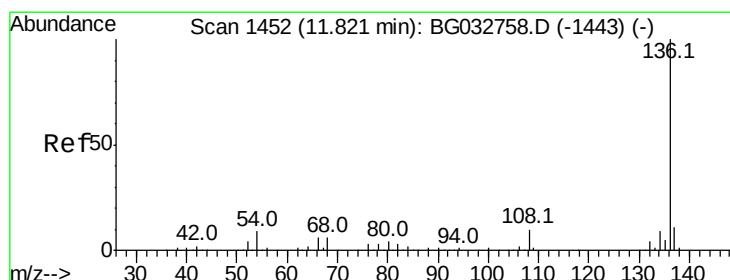
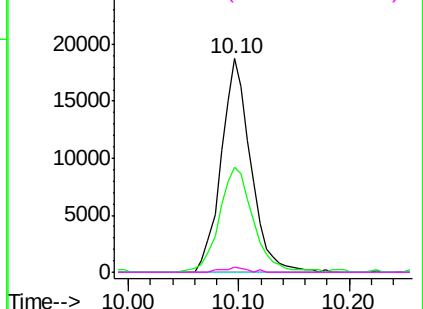


Abundance Ion 70.00 (69.70 to 70.70): BGC

Ion 42.00 (41.70 to 42.70): BGC

Ion 101.00 (100.70 to 101.70): BGC

Ion 130.00 (129.70 to 130.70): BGC



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 11.78 min Scan# 1446

Delta R.T. -0.01 min

Lab File: BG033178.D

Acq: 15 Mar 2018 15:59

Tgt Ion: 136 Resp: 135600

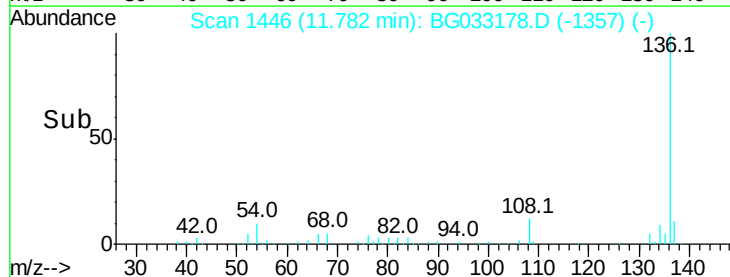
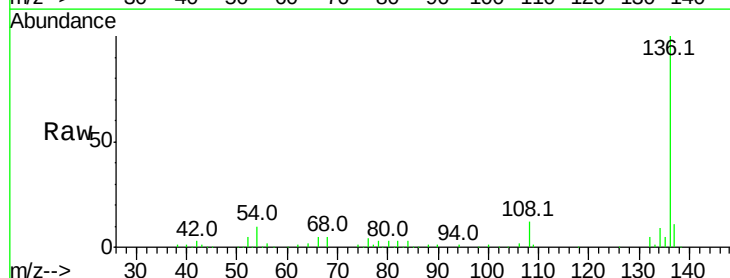
Ion Ratio Lower Upper

136 100

137 11.1 9.2 13.8

54 9.9 10.3 15.5#

68 5.1 4.5 6.7

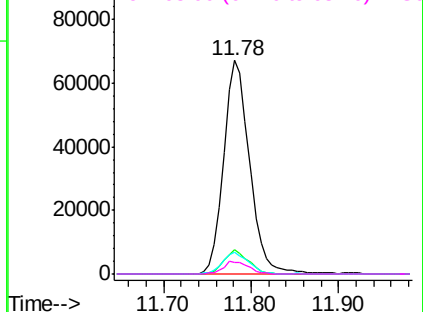


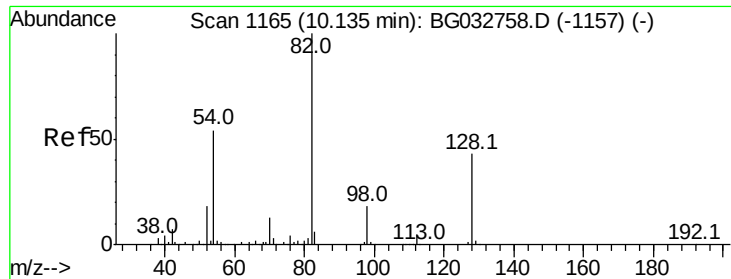
Abundance Ion 136.00 (135.70 to 136.70): BGC

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

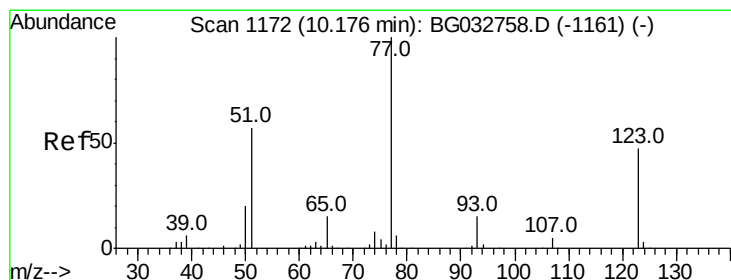
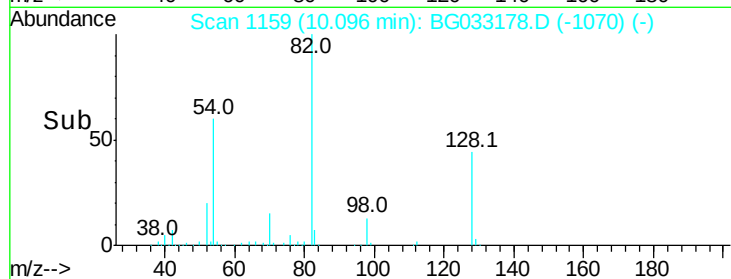
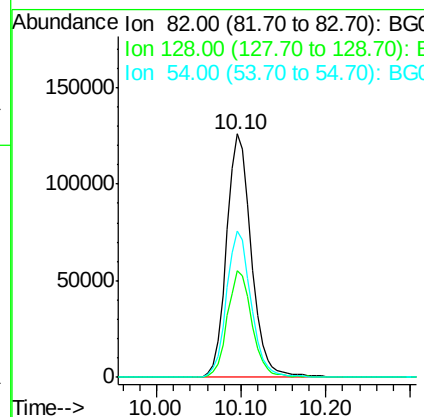
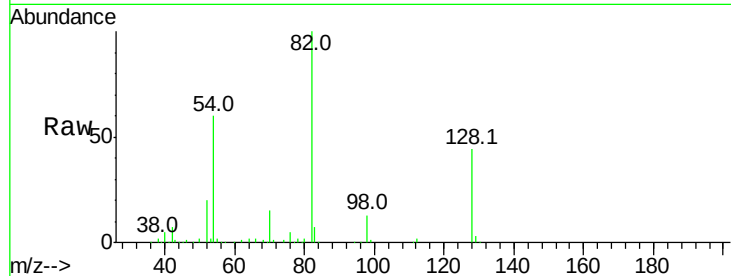




#23
 Nitrobenzene-d5
 Concen: 125.294 ng
 RT: 10.10 min Scan# 1159
 Delta R.T. -0.01 min
 Lab File: BG033178.D
 Acq: 15 Mar 2018 15:59

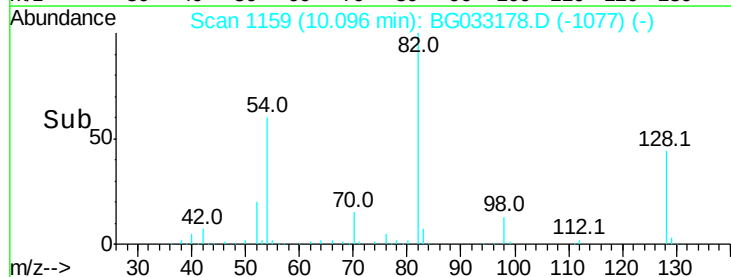
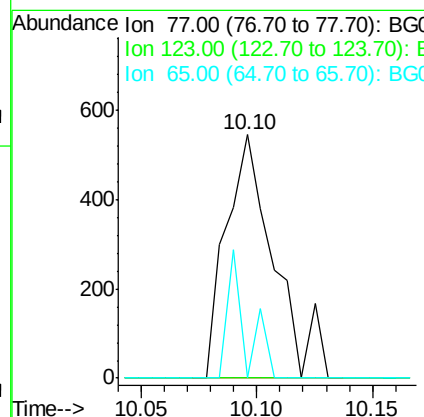
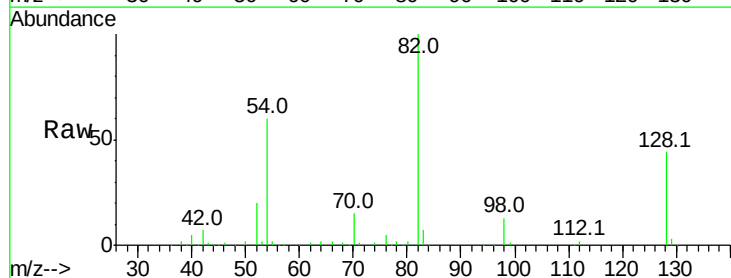
Instrument :
 BNA_G
 ClientSampleId :

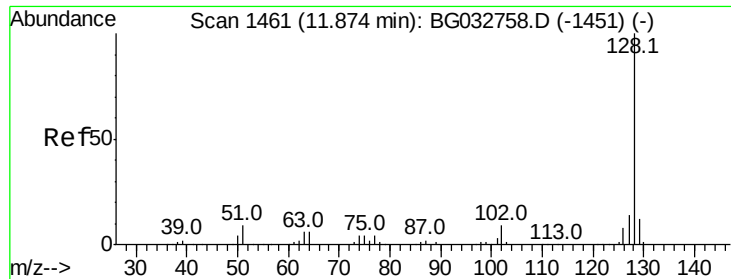
Tot Ion: 82 Resp: 255222
 Ion Ratio Lower Upper
 82 100
 128 43.6 29.7 44.5
 54 60.3 43.1 64.7



#24
 Nitrobenzene
 Concen: 6.697 ng
 RT: 10.10 min Scan# 1159
 Delta R.T. -0.05 min
 Lab File: BG033178.D
 Acq: 15 Mar 2018 15:59

Tgt Ion: 77 Resp: 789
 Ion Ratio Lower Upper
 77 100
 123 0.0 33.0 49.6#
 65 0.0 13.0 19.6#

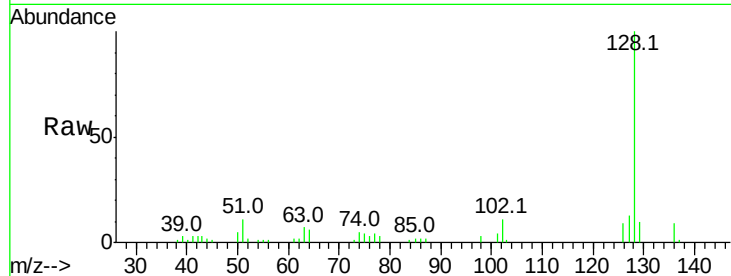




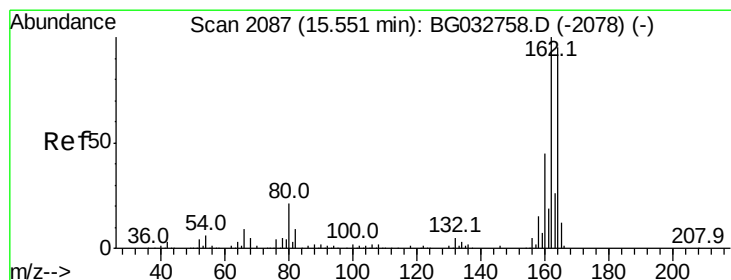
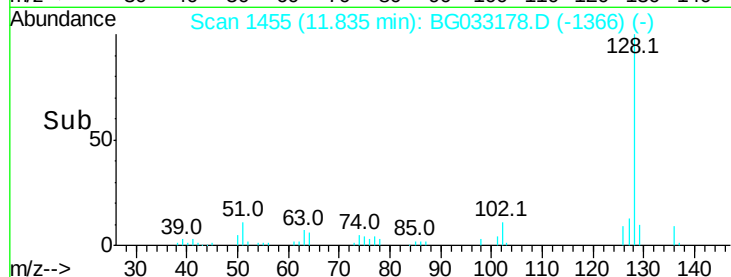
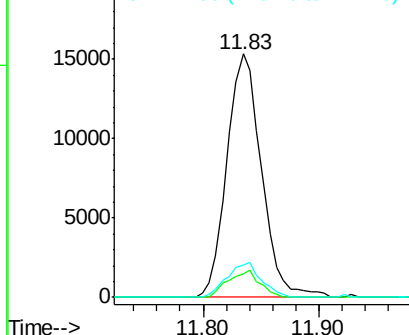
#31
Naphthalene
Concen: 4.491 ng
RT: 11.83 min Scan# 1455
Delta R.T. -0.01 min
Lab File: BG033178.D
Acq: 15 Mar 2018 15:59

Instrument :
BNA_G
ClientSampleId :

Tot Ion:128 Resp: 31821
Ion Ratio Lower Upper
128 100
129 9.7 8.6 12.8
127 13.2 11.6 17.4

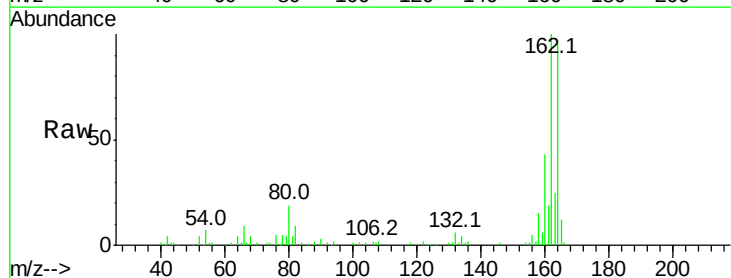


Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E

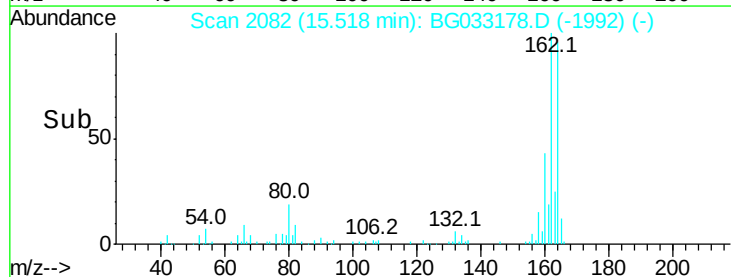
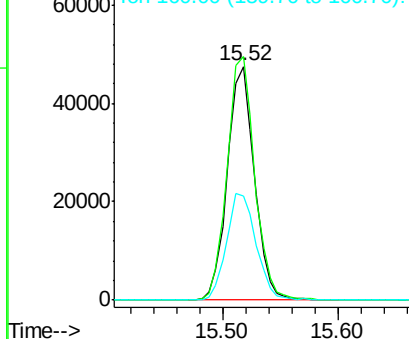


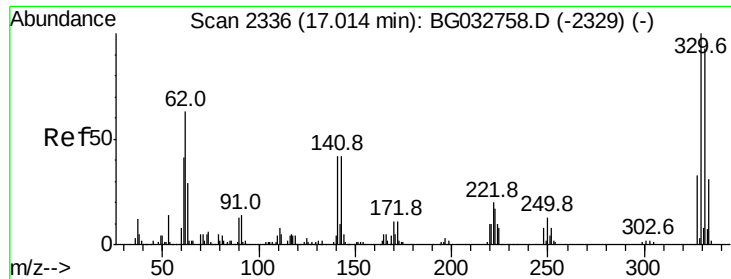
#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 15.52 min Scan# 2082
Delta R.T. -0.00 min
Lab File: BG033178.D
Acq: 15 Mar 2018 15:59

Tgt Ion:164 Resp: 77353
Ion Ratio Lower Upper
164 100
162 104.1 78.8 118.2
160 44.8 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

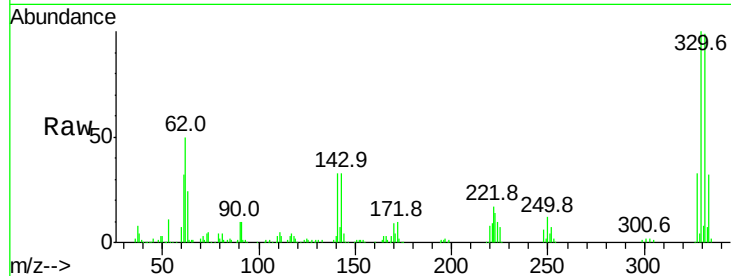




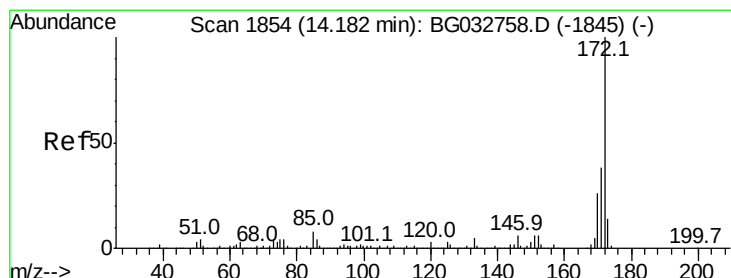
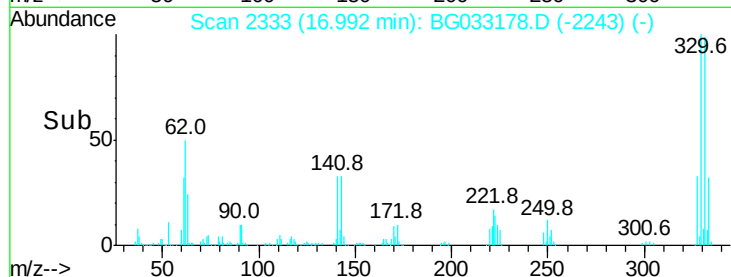
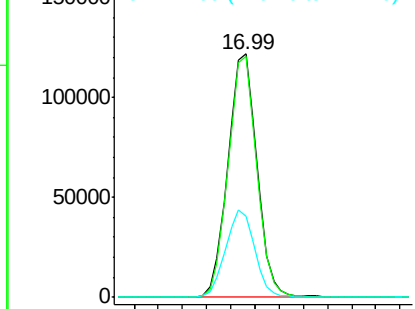
#41
 2,4,6-Tribromophenol
 Concen: 251.939 ng
 RT: 16.99 min Scan# 2333
 Delta R.T. -0.00 min
 Lab File: BG033178.D
 Acq: 15 Mar 2018 15:59

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	97.2	77.0	115.6
141	35.6	25.2	37.8

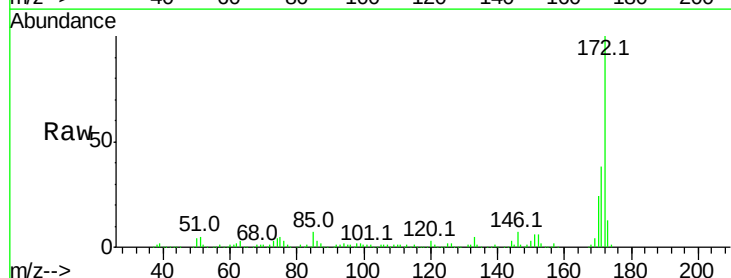


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

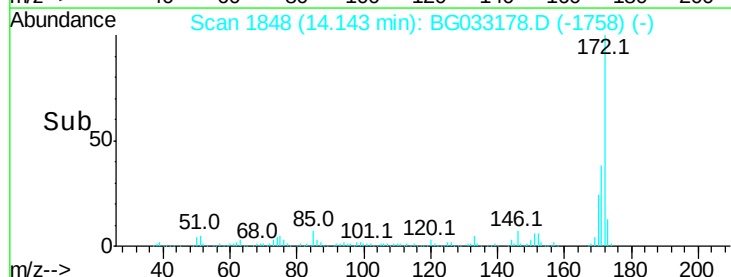
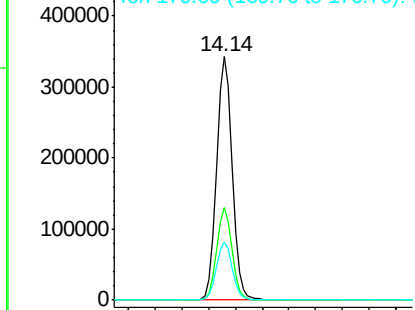


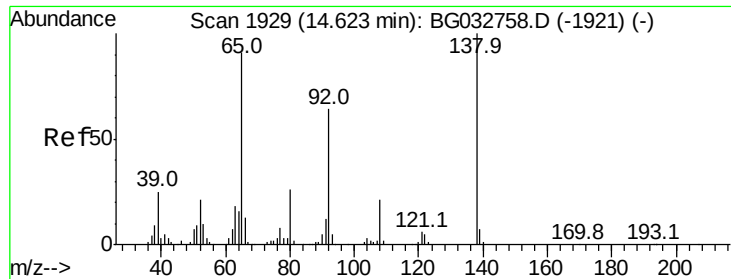
#44
 2-Fluorobiphenyl
 Concen: 106.235 ng
 RT: 14.14 min Scan# 1848
 Delta R.T. -0.00 min
 Lab File: BG033178.D
 Acq: 15 Mar 2018 15:59

Tgt Ion	Ratio	Lower	Upper
172	100		
171	38.2	30.0	45.0
170	24.0	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: 10.508 ng

RT: 14.14 min Scan# 1848

Delta R.T. -0.46 min

Lab File: BG033178.D

Acq: 15 Mar 2018 15:59

Instrument :

BNA_G

ClientSampleId :

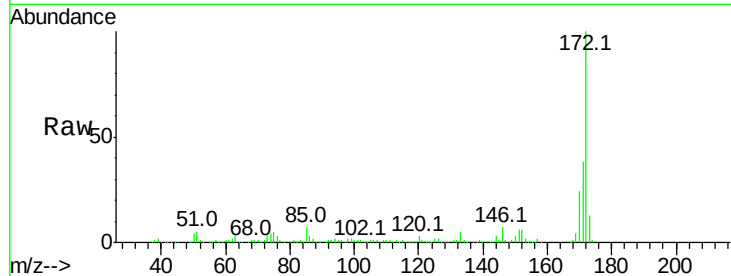
Tot Ion: 65 Resp: 1077

Ion Ratio Lower Upper

65 100

92 244.2 54.6 82.0#

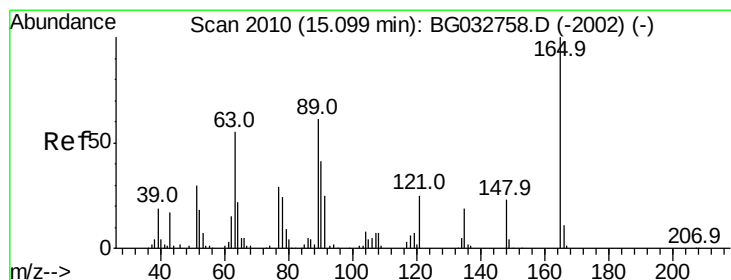
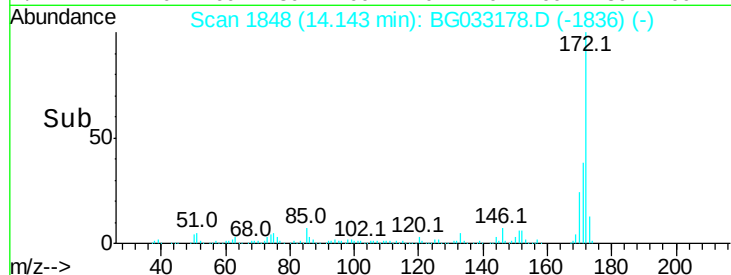
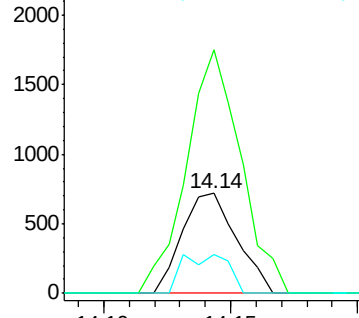
138 38.4 72.9 109.3#



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: 16.365 ng

RT: 15.51 min Scan# 2081

Delta R.T. 0.43 min

Lab File: BG033178.D

Acq: 15 Mar 2018 15:59

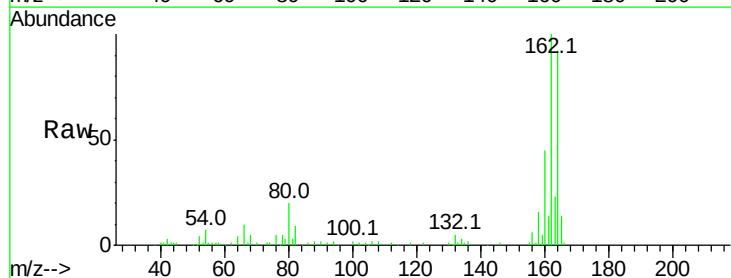
Tgt Ion:165 Resp: 9964

Ion Ratio Lower Upper

165 100

63 0.0 52.7 79.1#

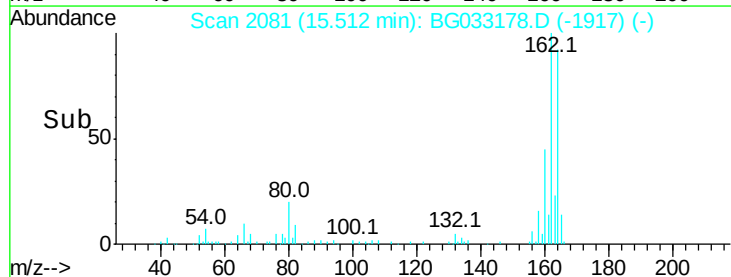
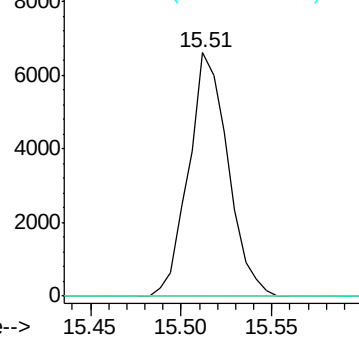
89 0.0 49.2 73.8#

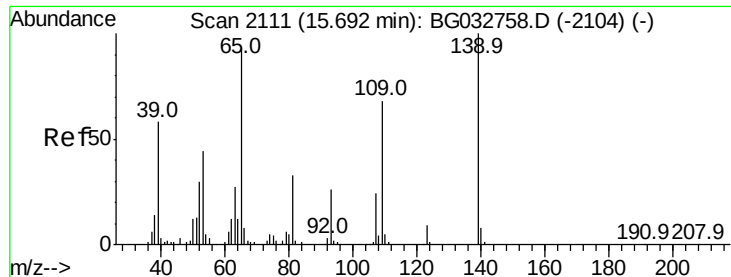


Abundance Ion 165.00 (164.70 to 165.70): BGC

Ion 63.00 (62.70 to 63.70): BGC

Ion 89.00 (88.70 to 89.70): BGC





#55

4-Nitrophenol

Concen: 7.374 ng

RT: 15.91 min Scan# 2148

Delta R.T. 0.21 min

Lab File: BG033178.D

Acq: 15 Mar 2018 15:59

Instrument :

BNA_G

ClientSampleId :

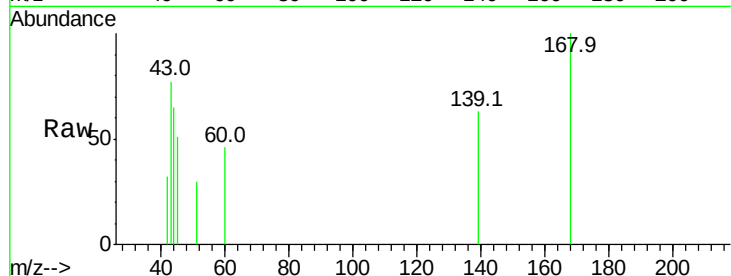
Tot Ion:139 Resp: 346

Ion Ratio Lower Upper

139 100

109 0.0 62.2 102.2#

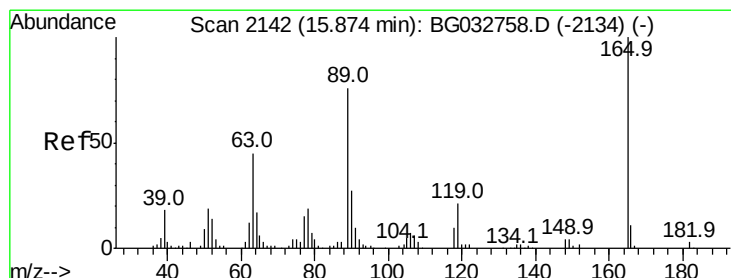
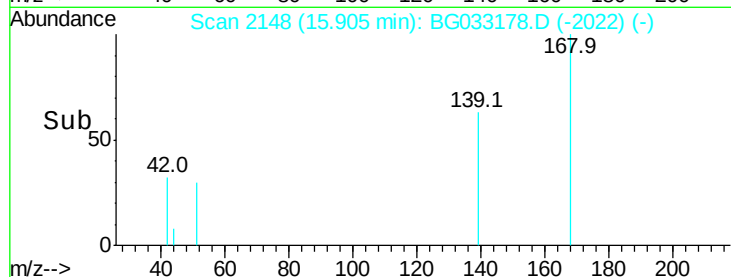
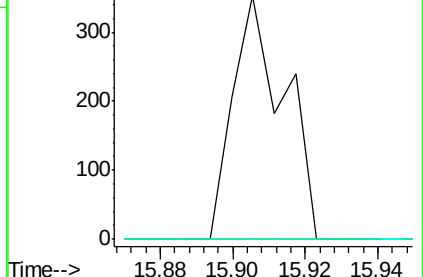
65 0.0 97.2 137.2#



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): E



#56

2,4-Dinitrotoluene

Concen: 14.562 ng

RT: 15.51 min Scan# 2081

Delta R.T. -0.34 min

Lab File: BG033178.D

Acq: 15 Mar 2018 15:59

Tgt Ion:165 Resp: 9964

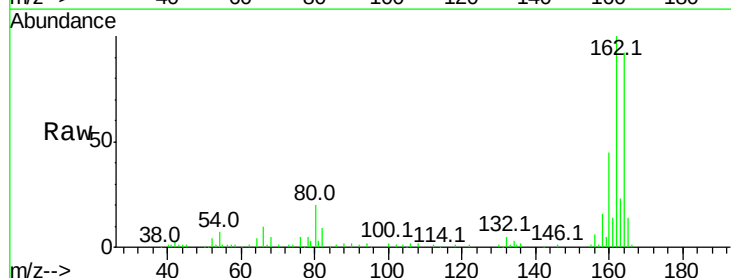
Ion Ratio Lower Upper

165 100

63 0.0 42.0 63.0#

89 0.0 66.9 100.3#

182 0.0 2.6 3.8#

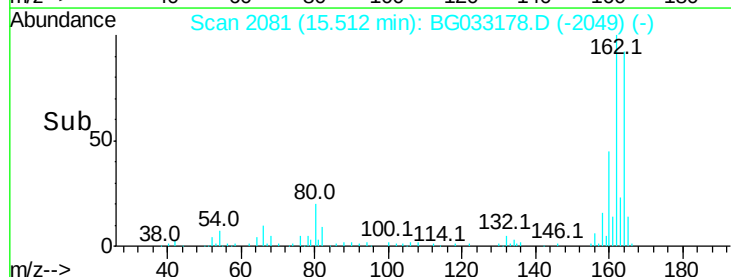
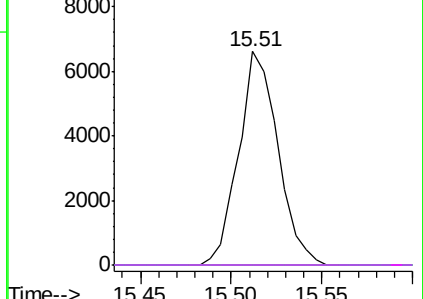


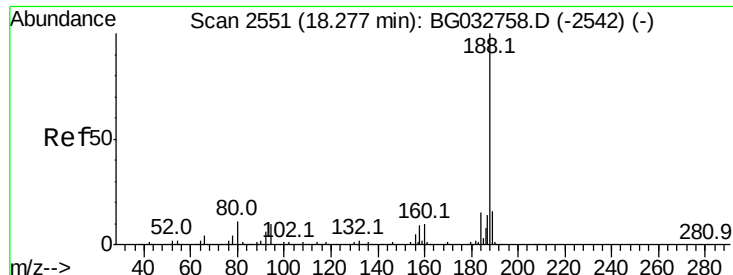
Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): E

Ion 89.00 (88.70 to 89.70): E

Ion 182.00 (181.70 to 182.70): E





#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 18.24 min Scan# 2546

Delta R.T. -0.01 min

Lab File: BG033178.D

Acq: 15 Mar 2018 15:59

Instrument :

BNA_G

ClientSampleId :

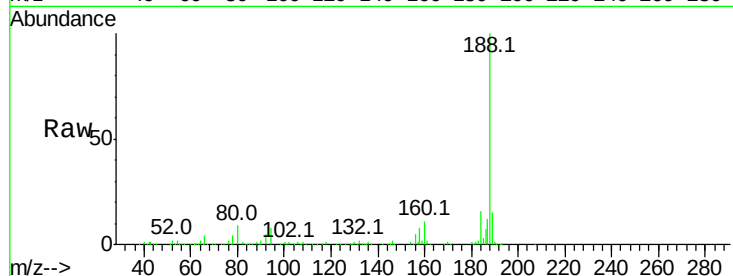
Tot Ion:188 Resp: 202969

Ion Ratio Lower Upper

188 100

94 8.3 6.9 10.3

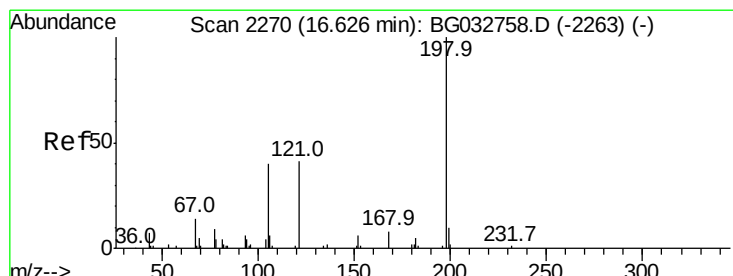
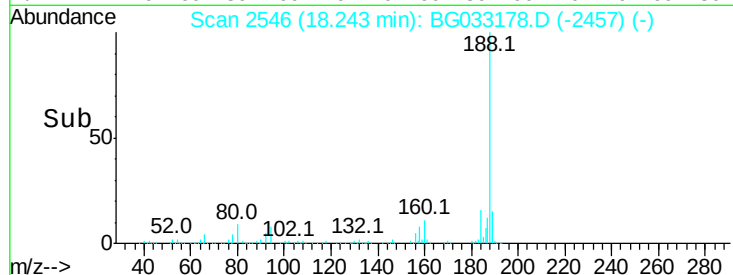
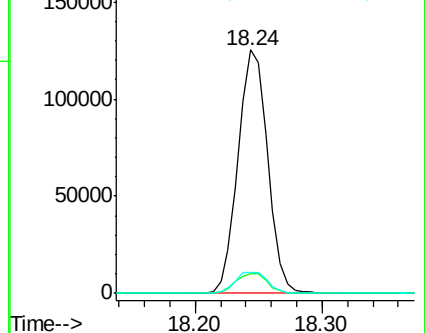
80 8.8 7.7 11.5



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC



#64

4,6-Dinitro-2-methylphenol

Concen: 6.050 ng

RT: 16.99 min Scan# 2332

Delta R.T. 0.38 min

Lab File: BG033178.D

Acq: 15 Mar 2018 15:59

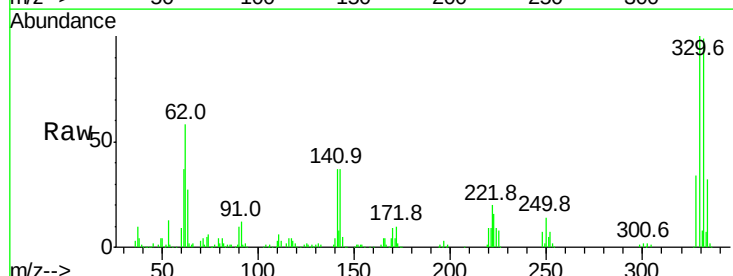
Tgt Ion:198 Resp: 527

Ion Ratio Lower Upper

198 100

51 127.3 30.6 70.6#

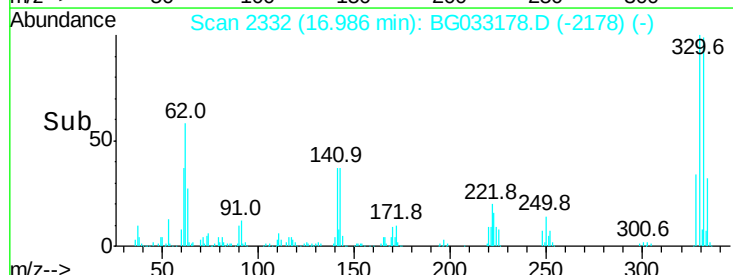
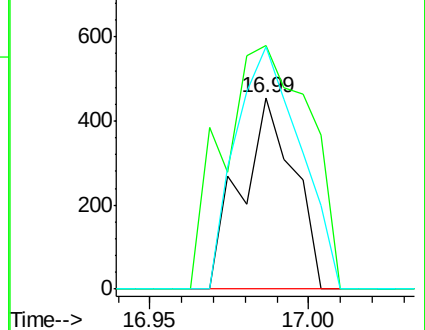
105 126.8 23.8 63.8#

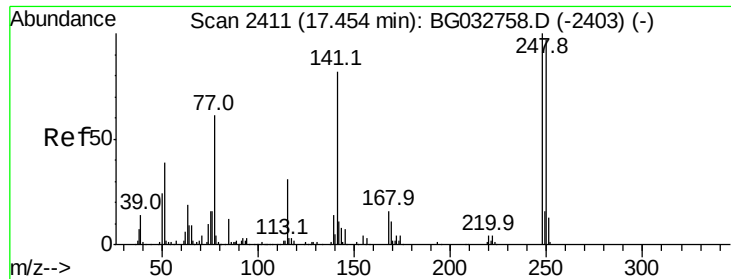


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BGC

Ion 105.00 (104.70 to 105.70): E

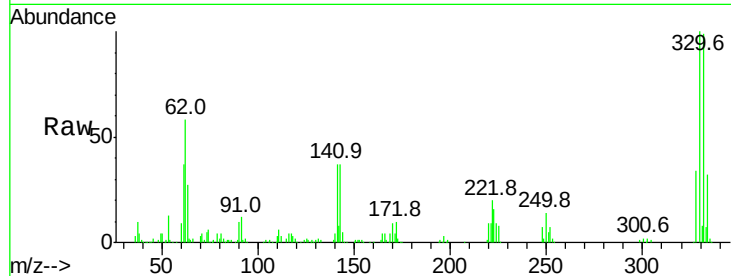




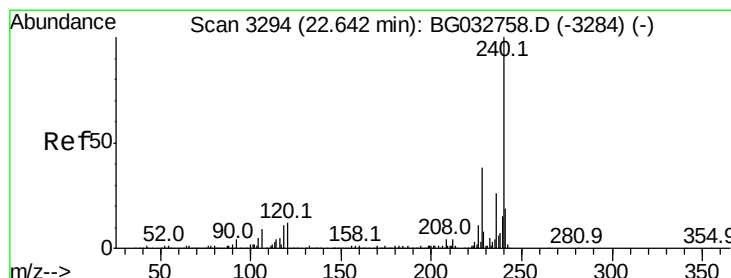
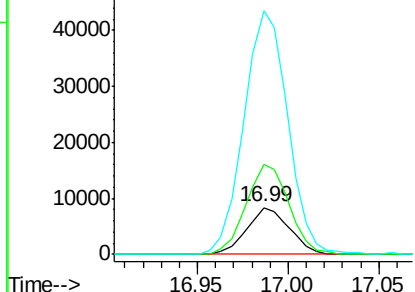
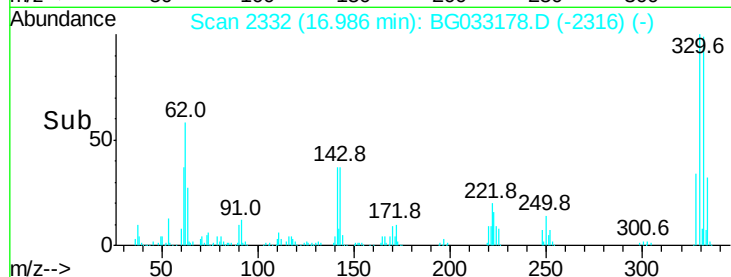
#66
 4-Bromophenyl-phenylether
 Concen: 6.258 ng
 RT: 16.99 min Scan# 2332
 Delta R.T. -0.43 min
 Lab File: BG033178.D
 Acq: 15 Mar 2018 15:59

Instrument :
 BNA_G
 ClientSampled :

Tot Ion:248 Resp: 13431
 Ion Ratio Lower Upper
 248 100
 250 193.1 77.1 115.7#
 141 523.5 50.8 76.2#

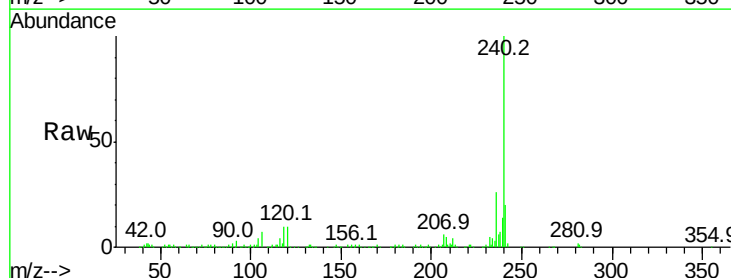


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

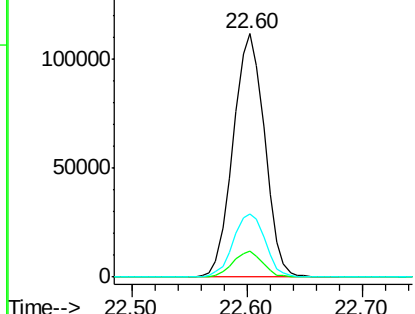
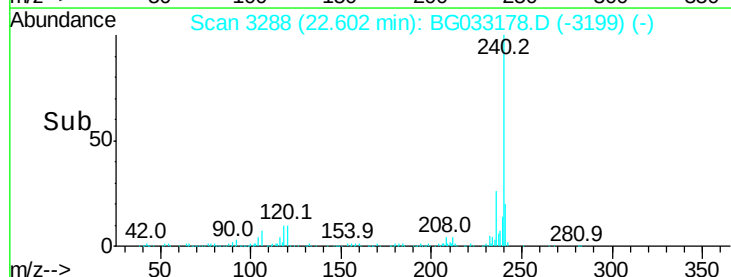


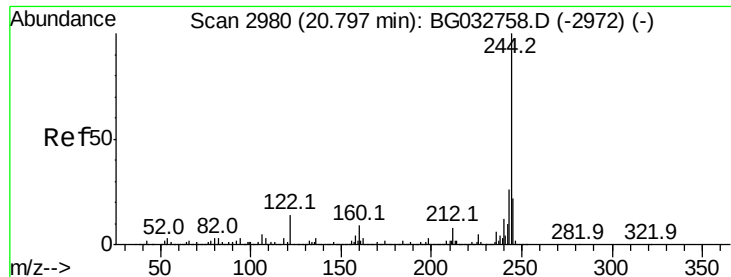
#75
 Chrysene-d12
 Concen: 20.000 ng
 RT: 22.60 min Scan# 3288
 Delta R.T. -0.01 min
 Lab File: BG033178.D
 Acq: 15 Mar 2018 15:59

Tgt Ion:240 Resp: 210514
 Ion Ratio Lower Upper
 240 100
 120 10.4 6.8 10.2#
 236 25.9 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





#78

Terphenyl-d14

Concen: 115.673 ng

RT: 20.76 min Scan# 2975

Delta R.T. -0.00 min

Lab File: BG033178.D

Acq: 15 Mar 2018 15:59

Instrument :

BNA_G

ClientSampleId :

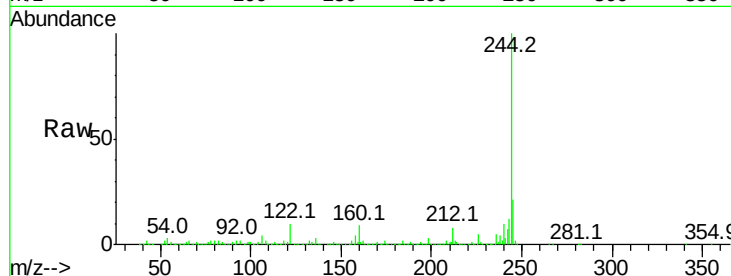
Tot Ion:244 Resp: 1083837

Ion	Ratio	Lower	Upper
244	100		
212	8.0	5.8	8.8
122	10.5	7.0	10.4

244 100

212 8.0 5.8 8.8

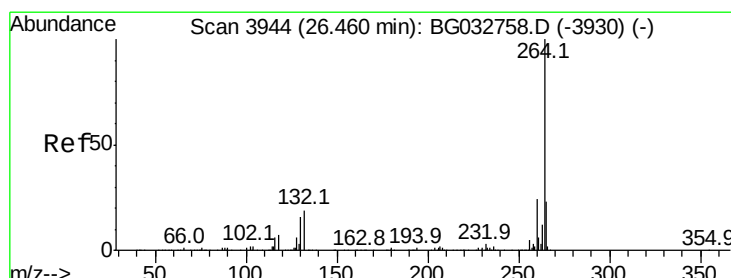
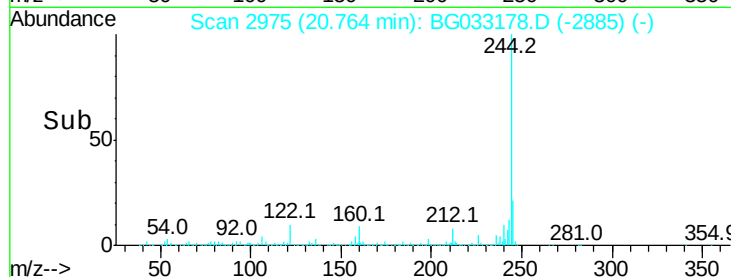
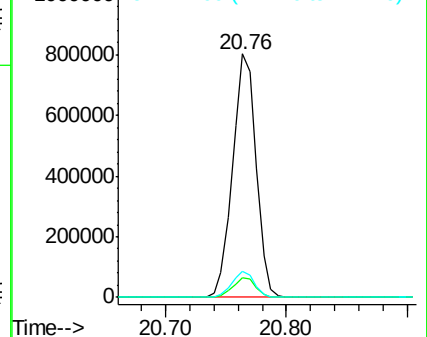
122 10.5 7.0 10.4



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: 26.40 min Scan# 3935

Delta R.T. -0.01 min

Lab File: BG033178.D

Acq: 15 Mar 2018 15:59

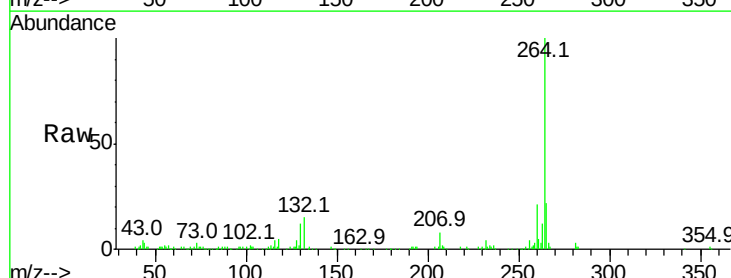
Tgt Ion:264 Resp: 233205

Ion	Ratio	Lower	Upper
264	100		
260	20.7	17.4	26.0
265	21.6	17.7	26.5

264 100

260 20.7 17.4 26.0

265 21.6 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

