

Data Path : Z:\HPCHEM1\BNA G\DATA\BG040618\
 Data File : BG033658.D
 Acq On : 7 Apr 2018 9:55
 Operator : SJ/JU
 Sample : J2225-03
 Misc :
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Apr 09 02:00:32 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

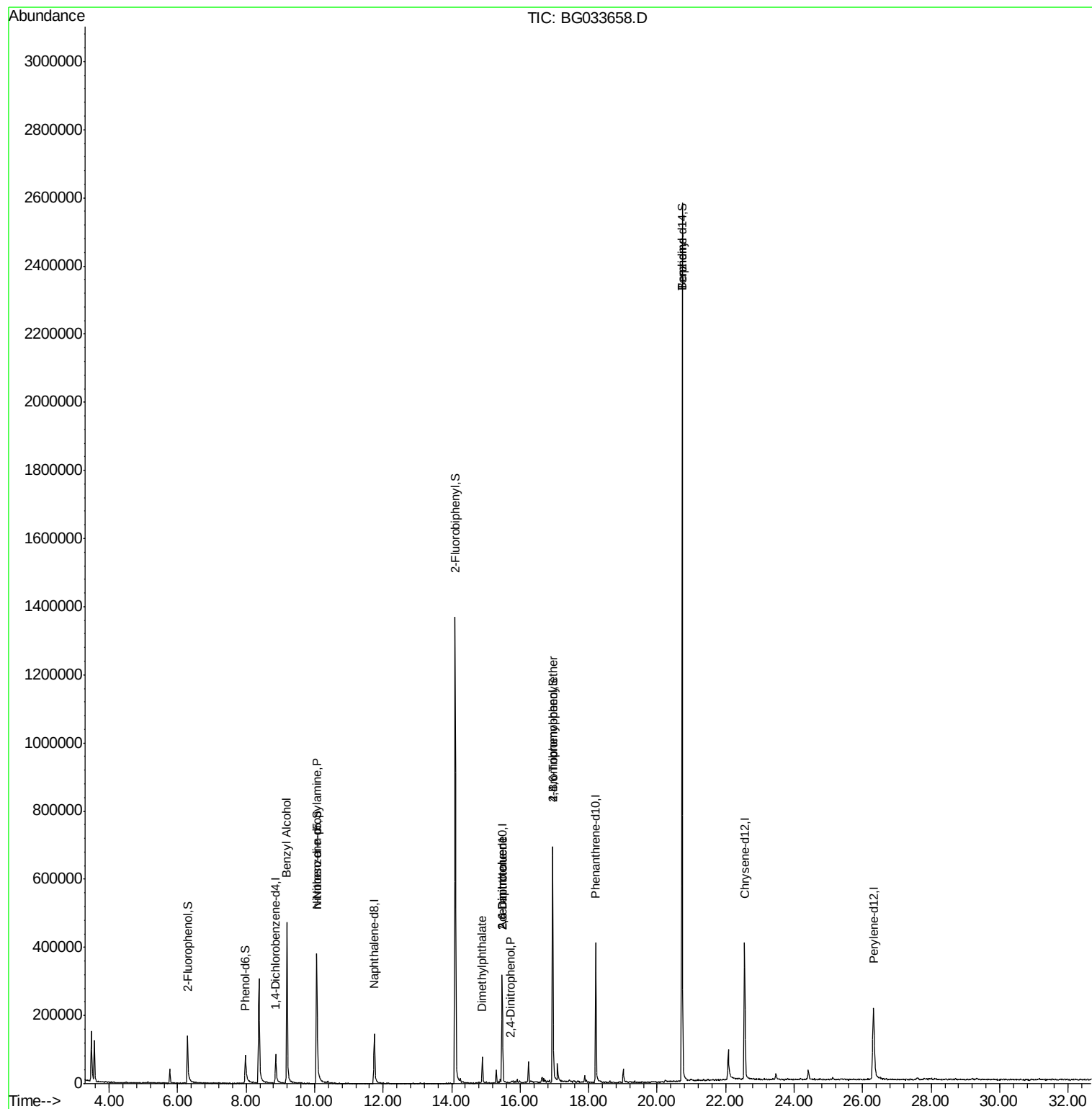
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.86	152	31016	20.00	ng	0.00
21) Naphthalene-d8	11.74	136	147000	20.00	ng	0.00
38) Acenaphthene-d10	15.48	164	122540	20.00	ng	0.00
63) Phenanthrene-d10	18.21	188	297484	20.00	ng	0.00
75) Chrysene-d12	22.55	240	300777	20.00	ng	0.00
86) Perylene-d12	26.32	264	304697	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	6.29	112	77307	46.74	ng	0.00
7) Phenol-d6	7.97	99	71084	25.01	ng	0.00
23) Nitrobenzene-d5	10.06	82	317258	99.16	ng	0.00
41) 2,4,6-Tribromophenol	16.95	330	142019	77.49	ng	0.00
44) 2-Fluorobiphenyl	14.10	172	787725	92.80	ng	0.00
78) Terphenyl-d14	20.73	244	1300543	92.47	ng	0.00
Target Compounds						
15) Benzyl Alcohol	9.18	79	4919	2.198	ng	# 51
19) n-Nitroso-di-n-propylamine	10.06	70	38706	18.586	ng	# 73
49) Dimethylphthalate	14.90	163	52767	4.948	ng	# 98
50) 2,6-Dinitrotoluene	15.48	165	15517	7.116	ng	# 21
53) 2,4-Dinitrophenol	15.72	184	73	7.701	ng	# 1
56) 2,4-Dinitrotoluene	15.48	165	15517	4.833	ng	# 19
66) 4-Bromophenyl-phenylether	16.95	248	10385	2.973	ng	# 1
76) Benzidine	20.73	184	21071	2.583	ng	# 95

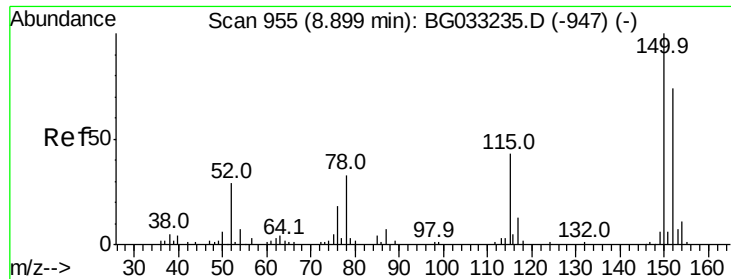
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: BG033658.D

Acq: 7 Apr 2018 9:55

Instrument :

BNA_G

ClientSampleId :

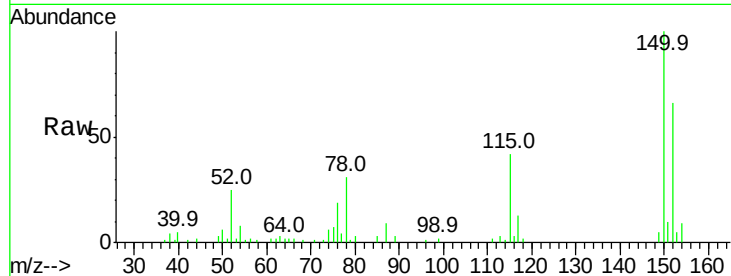
Tot Ion:152 Resp: 31016

Ion Ratio Lower Upper

152 100

150 152.4 126.6 189.8

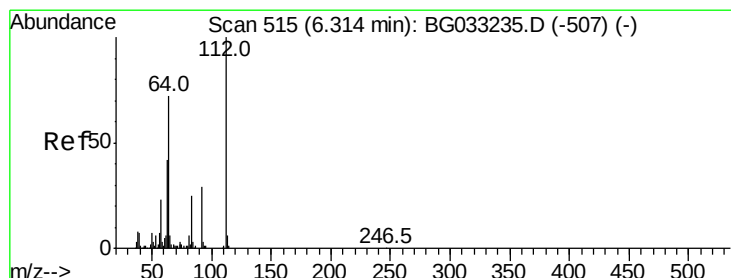
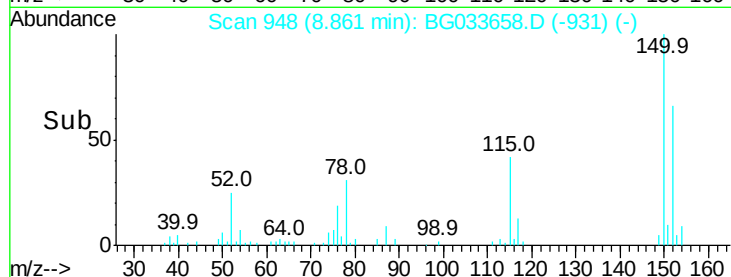
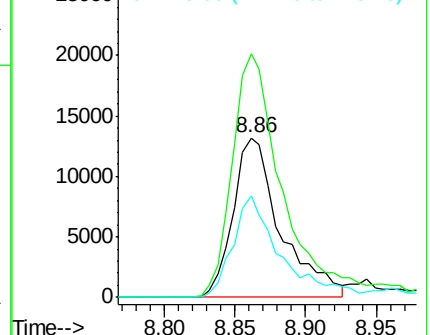
115 63.8 53.0 79.4



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: 46.737 ng

RT: 6.29 min Scan# 510

Delta R.T. -0.00 min

Lab File: BG033658.D

Acq: 7 Apr 2018 9:55

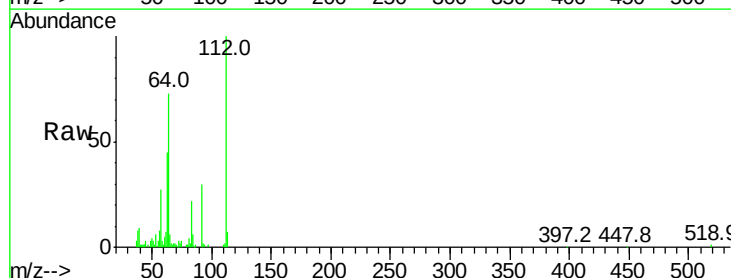
Tgt Ion:112 Resp: 77307

Ion Ratio Lower Upper

112 100

64 72.5 56.3 84.5

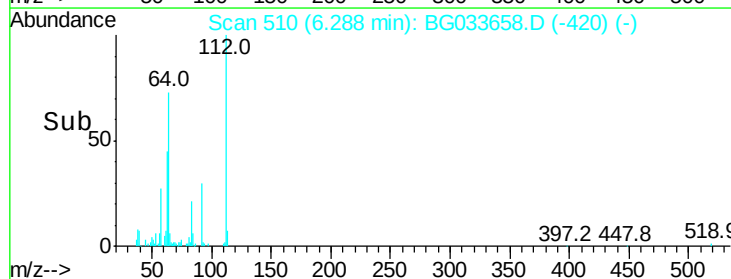
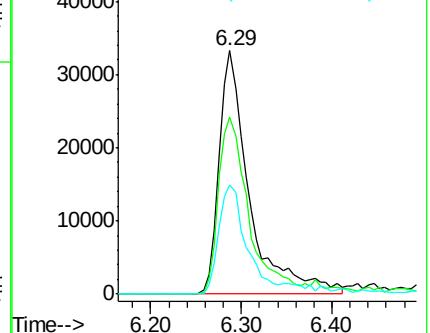
63 45.0 30.1 45.1

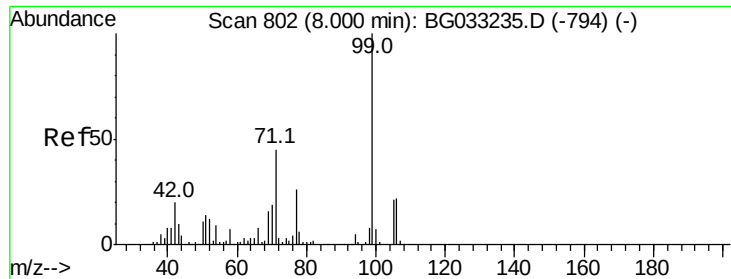


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BG0

Ion 63.00 (62.70 to 63.70): BG0





#7

Phenol-d6

Concen: 25.012 ng

RT: 7.97 min Scan# 797

Delta R.T. 0.00 min

Lab File: BG033658.D

Acq: 7 Apr 2018 9:55

Instrument :

BNA_G

ClientSampleId :

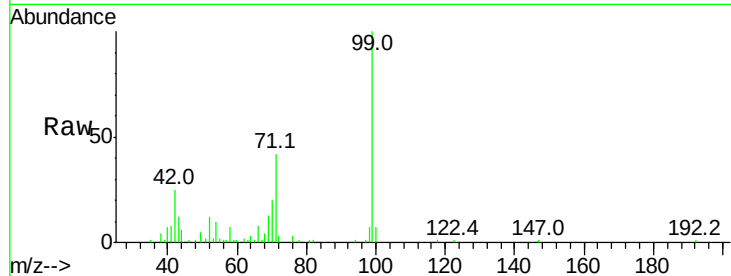
Tot Ion: 99 Resp: 71084

Ion Ratio Lower Upper

99 100

42 24.6 14.1 21.1#

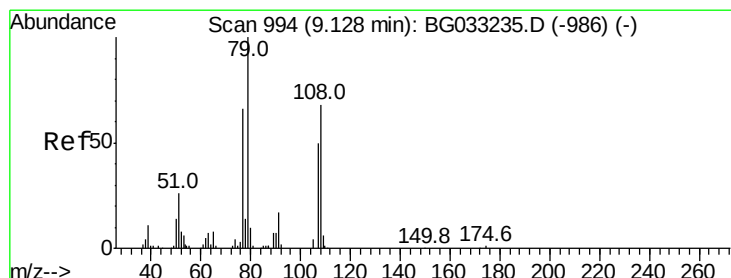
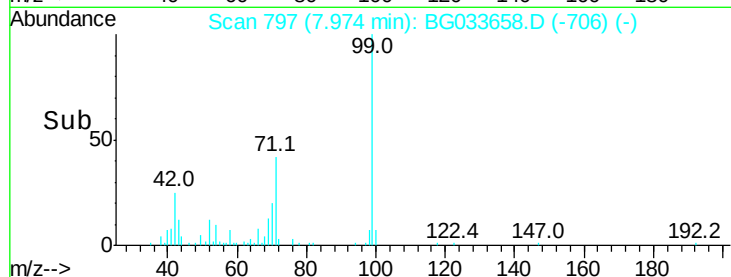
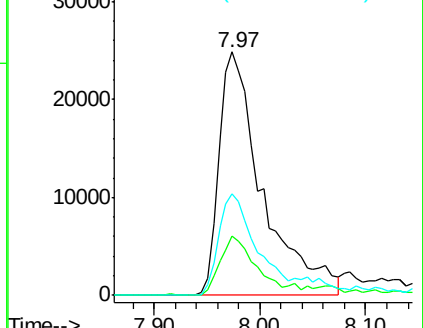
71 41.7 26.1 39.1#



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: 2.198 ng

RT: 9.18 min Scan# 1003

Delta R.T. 0.09 min

Lab File: BG033658.D

Acq: 7 Apr 2018 9:55

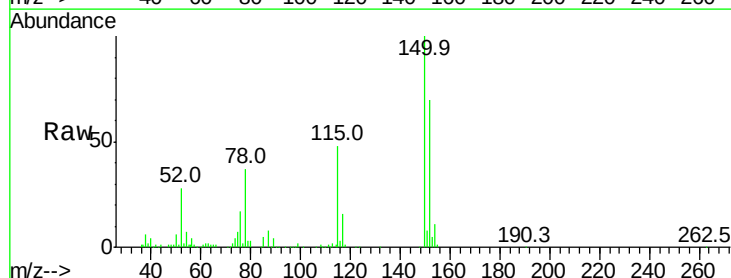
Tgt Ion: 79 Resp: 4919

Ion Ratio Lower Upper

79 100

108 19.5 57.2 85.8#

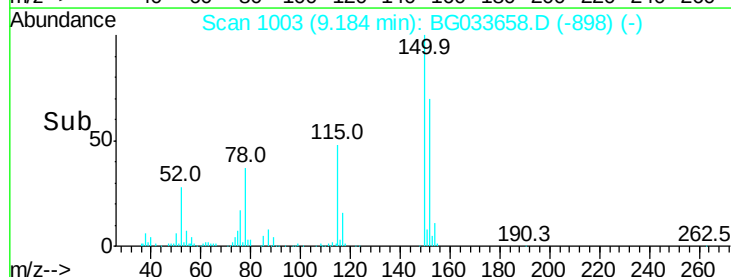
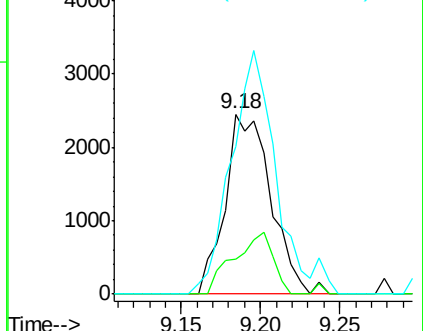
77 81.7 46.1 69.1#

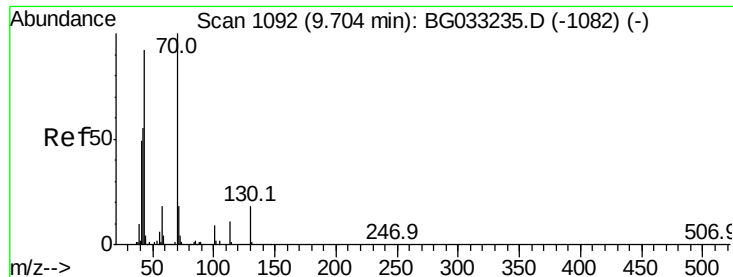


Abundance Ion 79.00 (78.70 to 79.70): BGC

Ion 108.00 (107.70 to 108.70): BGC

Ion 77.00 (76.70 to 77.70): BGC

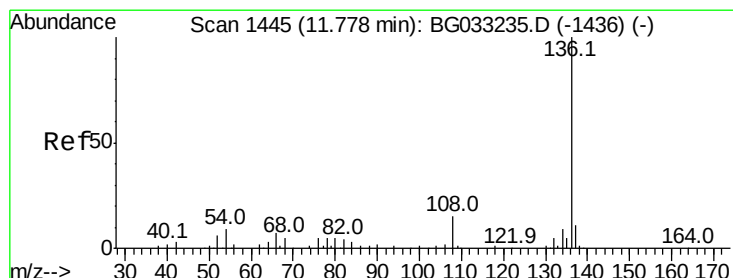
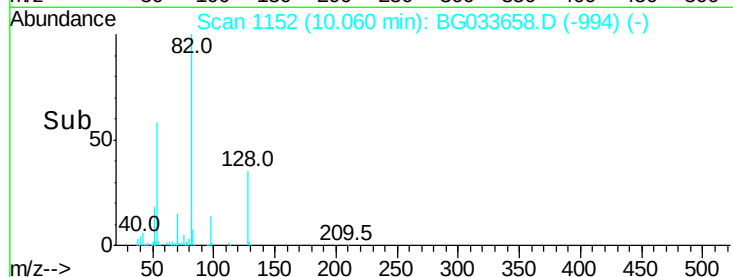
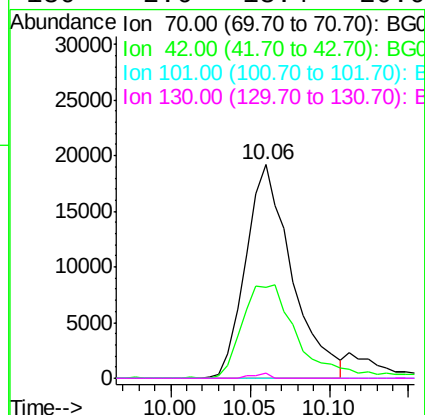
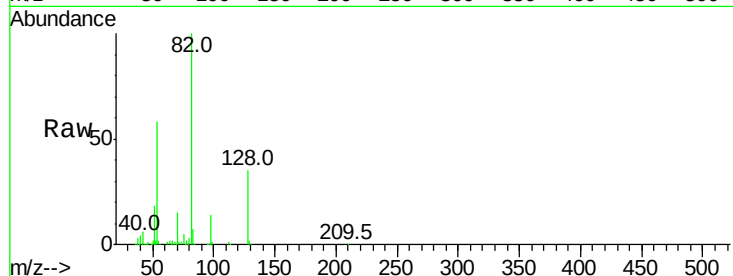




#19
n-Nitroso-di-n-propylamine
Concen: 18.586 ng
RT: 10.06 min Scan# 1152
Delta R.T. 0.40 min
Lab File: BG033658.D
Acq: 7 Apr 2018 9:55

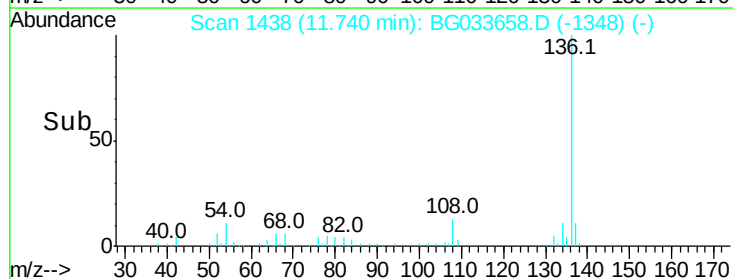
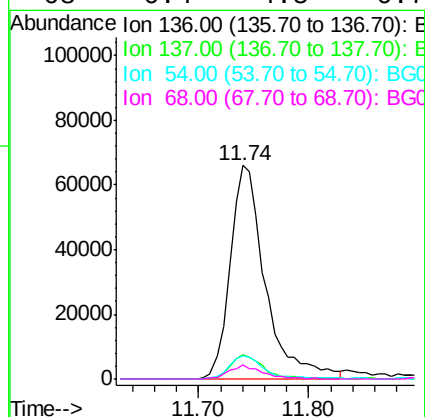
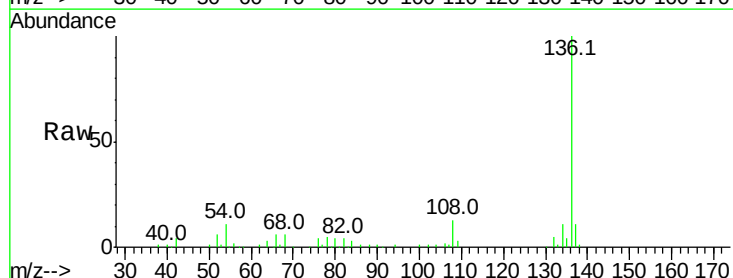
Instrument :
BNA_G
ClientSampleId :

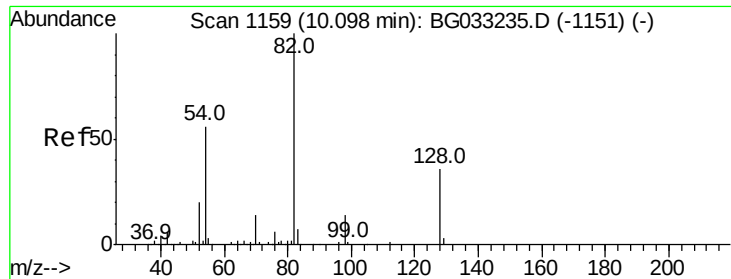
Tot Ion: 70 Resp: 38706
Ion Ratio Lower Upper
70 100
42 42.5 49.1 73.7#
101 0.0 8.5 12.7#
130 2.6 13.4 20.0#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.74 min Scan# 1438
Delta R.T. -0.00 min
Lab File: BG033658.D
Acq: 7 Apr 2018 9:55

Tgt Ion: 136 Resp: 147000
Ion Ratio Lower Upper
136 100
137 11.4 9.2 13.8
54 11.1 10.3 15.5
68 6.4 4.5 6.7



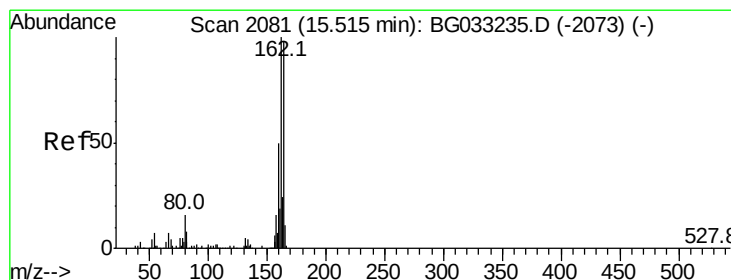
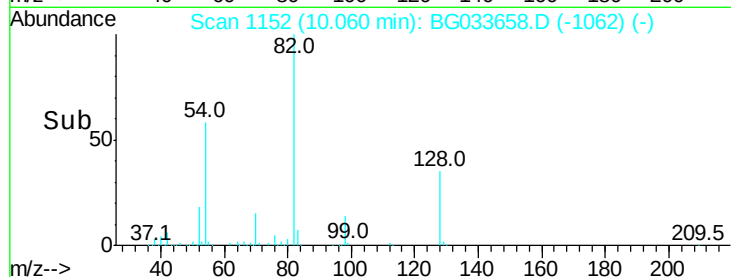
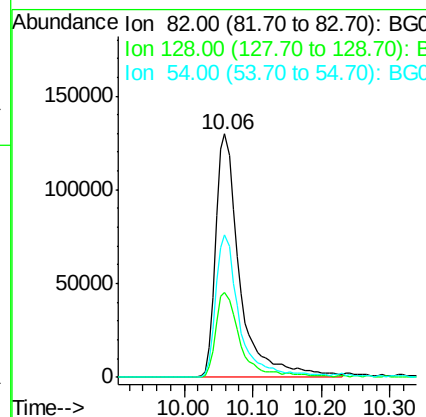
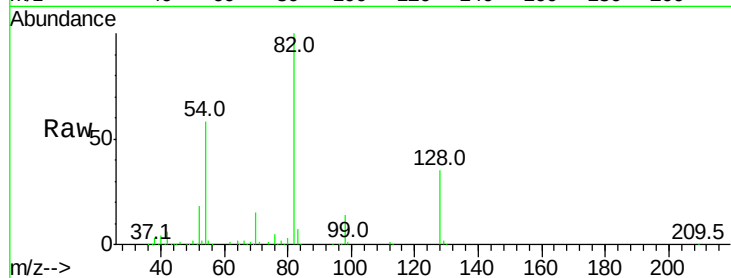


#23
 Nitrobenzene-d5
 Concen: 99.157 ng
 RT: 10.06 min Scan# 1152
 Delta R.T. -0.00 min
 Lab File: BG033658.D
 Acq: 7 Apr 2018 9:55

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion: 82 Resp: 317258

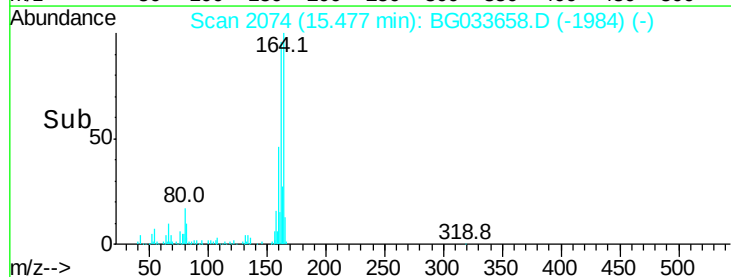
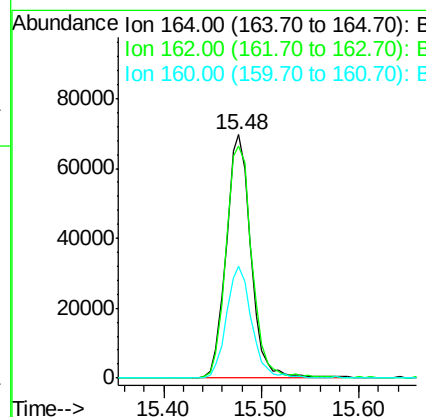
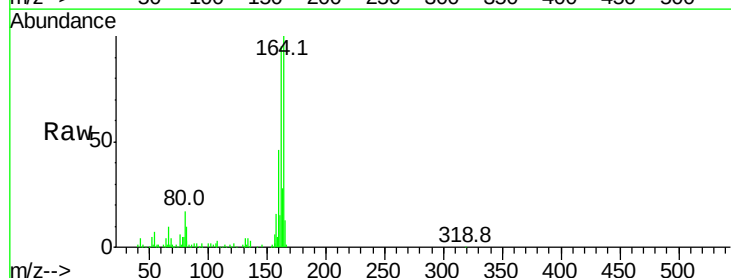
Ion	Ratio	Lower	Upper
82	100		
128	35.1	29.7	44.5
54	58.5	43.1	64.7

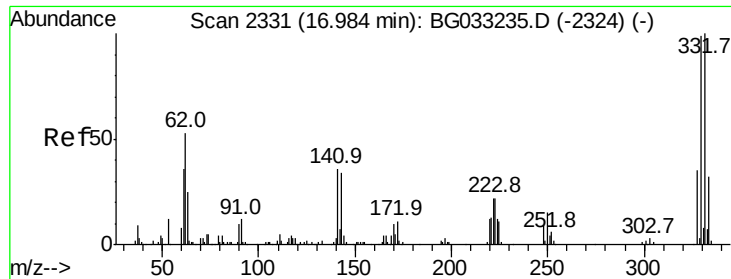


#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 15.48 min Scan# 2074
 Delta R.T. -0.00 min
 Lab File: BG033658.D
 Acq: 7 Apr 2018 9:55

Tgt Ion: 164 Resp: 122540

Ion	Ratio	Lower	Upper
164	100		
162	95.3	78.8	118.2
160	45.7	35.4	53.0

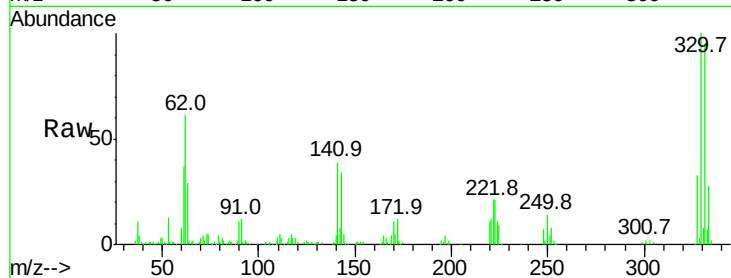




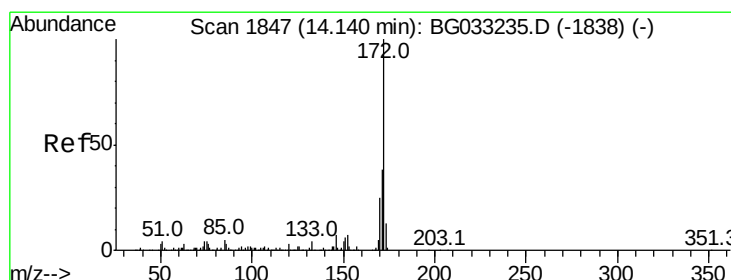
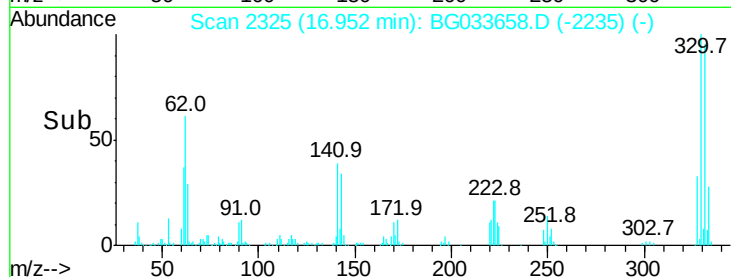
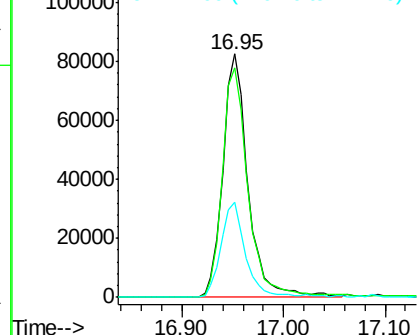
#41
 2,4,6-Tribromophenol
 Concen: 77.490 ng
 RT: 16.95 min Scan# 2325
 Delta R.T. -0.00 min
 Lab File: BG033658.D
 Acq: 7 Apr 2018 9:55

Instrument :
 BNA_G
 ClientSampled :

Tot Ion:330 Resp: 142019
 Ion Ratio Lower Upper
 330 100
 332 96.4 77.0 115.6
 141 37.8 25.2 37.8#

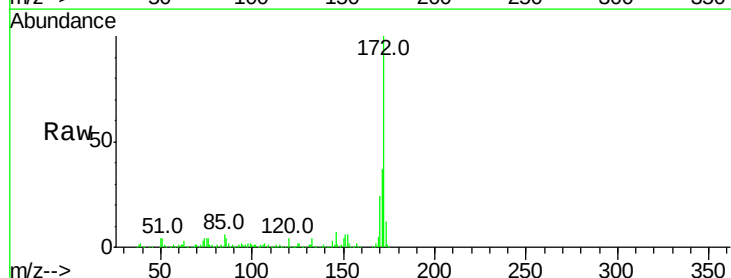


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

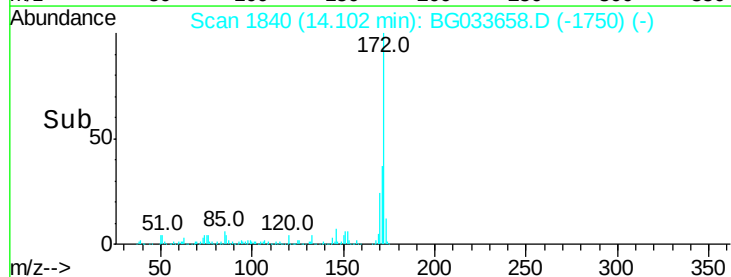
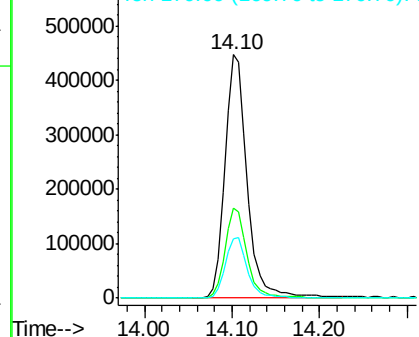


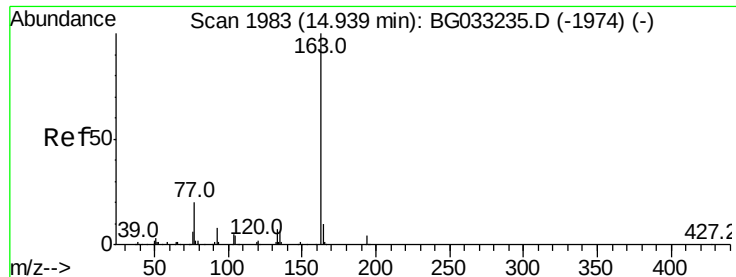
#44
 2-Fluorobiphenyl
 Concen: 92.801 ng
 RT: 14.10 min Scan# 1840
 Delta R.T. -0.00 min
 Lab File: BG033658.D
 Acq: 7 Apr 2018 9:55

Tgt Ion:172 Resp: 787725
 Ion Ratio Lower Upper
 172 100
 171 36.9 30.0 45.0
 170 24.3 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





#49

Dimethylphthalate

Concen: 4.948 ng

RT: 14.90 min Scan# 1975

Delta R.T. -0.01 min

Lab File: BG033658.D

Acq: 7 Apr 2018 9:55

Instrument :

BNA_G

ClientSampleId :

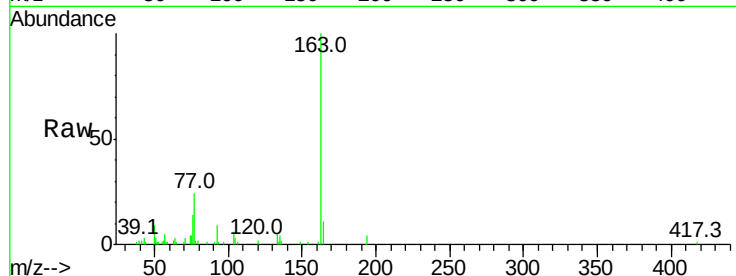
Tot Ion:163 Resp: 52767

Ion Ratio Lower Upper

163 100

194 4.3 3.4 5.2

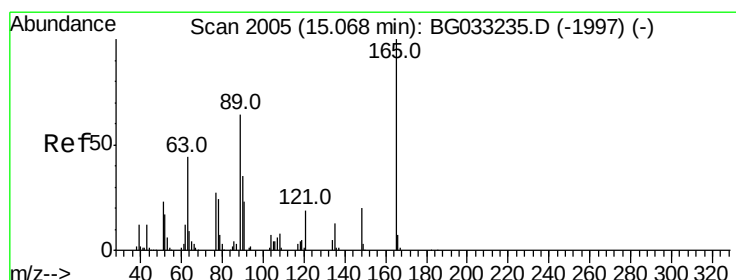
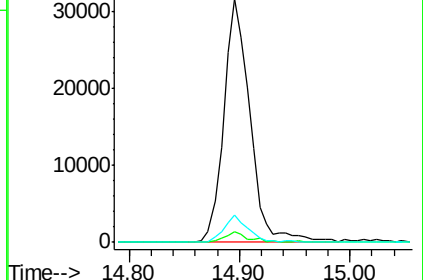
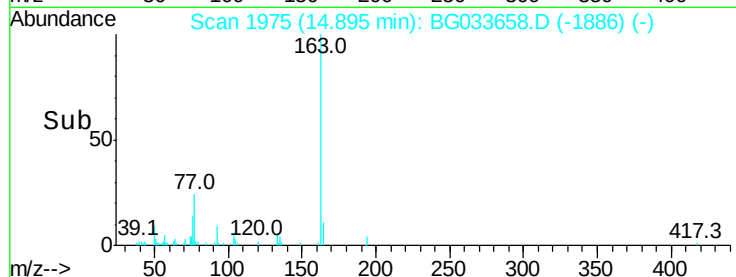
164 11.1 8.2 12.4



Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#50

2,6-Dinitrotoluene

Concen: 7.116 ng

RT: 15.48 min Scan# 2074

Delta R.T. 0.44 min

Lab File: BG033658.D

Acq: 7 Apr 2018 9:55

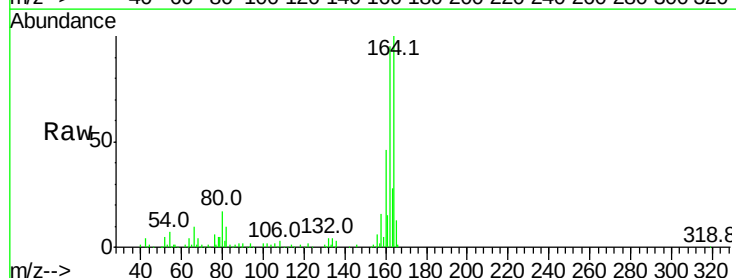
Tgt Ion:165 Resp: 15517

Ion Ratio Lower Upper

165 100

63 2.2 52.7 79.1#

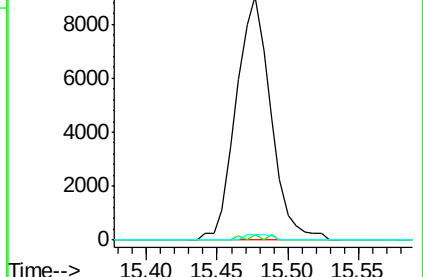
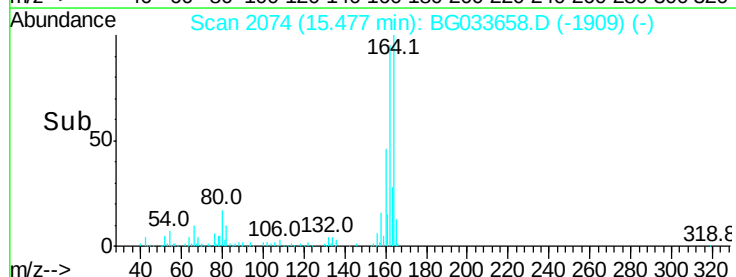
89 2.0 49.2 73.8#

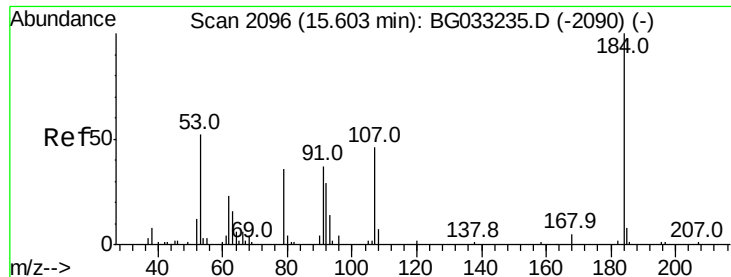


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

Ion 89.00 (88.70 to 89.70): BGC

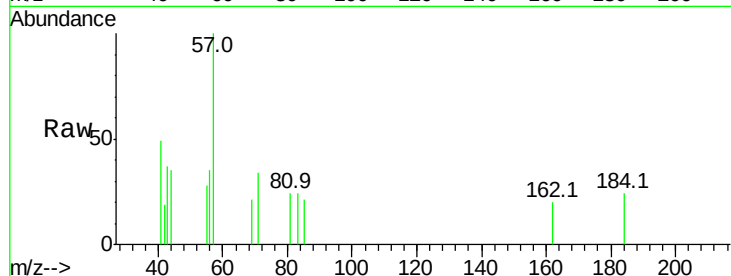




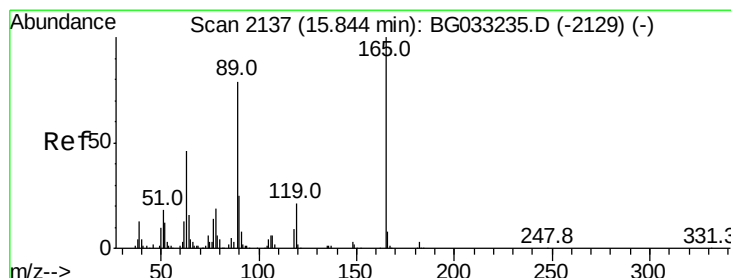
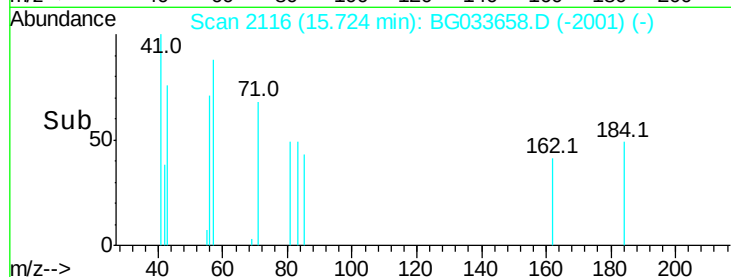
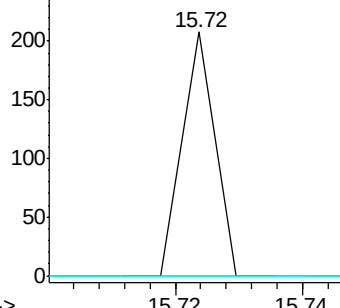
#53
 2,4-Dinitrophenol
 Concen: 7.701 ng
 RT: 15.72 min Scan# 2116
 Delta R.T. 0.14 min
 Lab File: BG033658.D
 Acq: 7 Apr 2018 9:55

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:184 Resp: 73
 Ion Ratio Lower Upper
 184 100
 63 0.0 59.8 89.8#
 154 0.0 101.8 152.8#

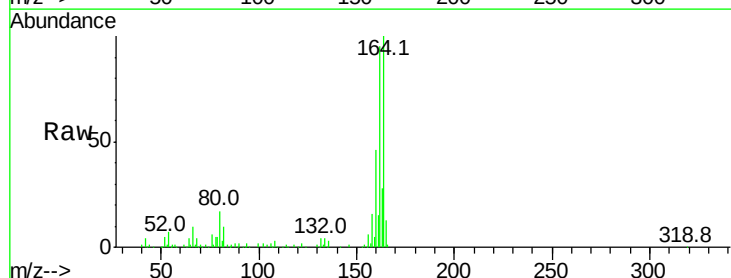


Abundance Ion 184.00 (183.70 to 184.70): E
 Ion 63.00 (62.70 to 63.70): BG0
 Ion 154.00 (153.70 to 154.70): E

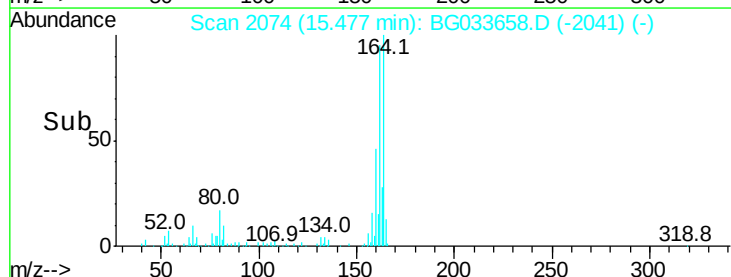
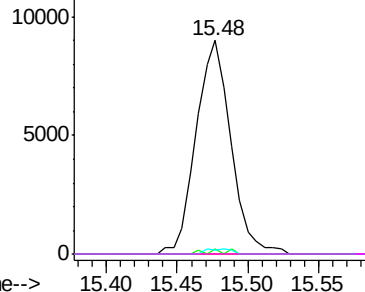


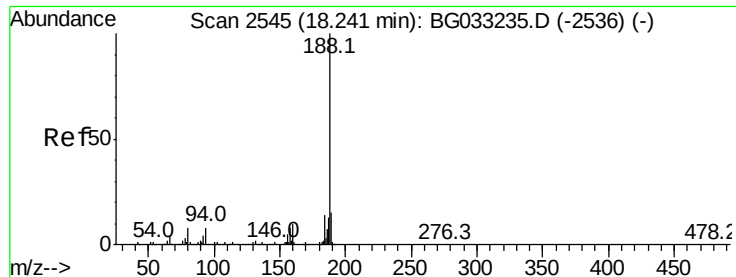
#56
 2,4-Dinitrotoluene
 Concen: 4.833 ng
 RT: 15.48 min Scan# 2074
 Delta R.T. -0.34 min
 Lab File: BG033658.D
 Acq: 7 Apr 2018 9:55

Tgt Ion:165 Resp: 15517
 Ion Ratio Lower Upper
 165 100
 63 2.2 42.0 63.0#
 89 2.0 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): BG0
 Ion 89.00 (88.70 to 89.70): BG0
 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: BG033658.D

Acq: 7 Apr 2018 9:55

Instrument :

BNA_G

ClientSampleId :

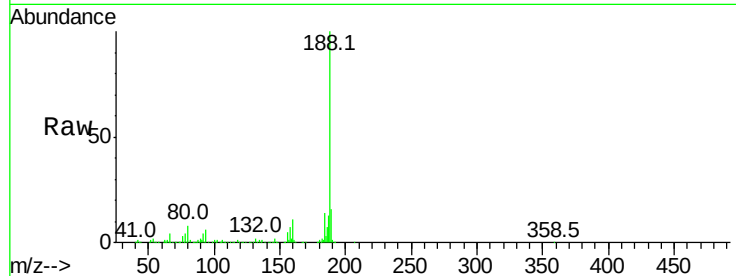
Tot Ion:188 Resp: 297484

Ion Ratio Lower Upper

188 100

94 6.3 6.9 10.3#

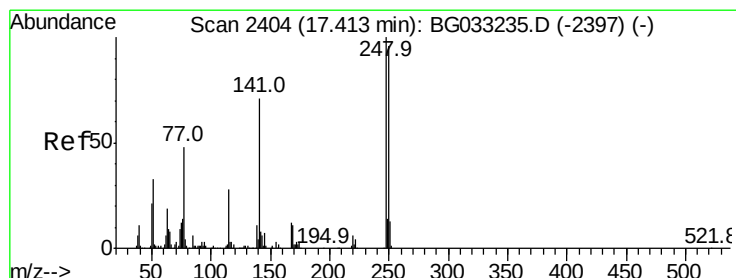
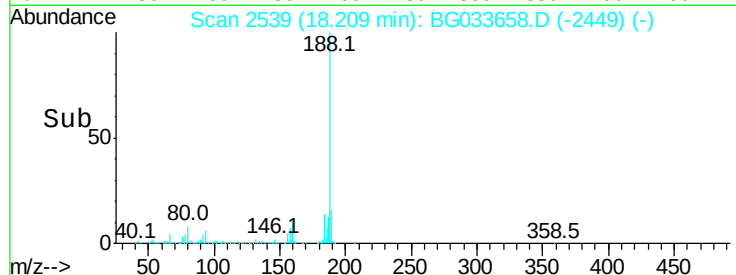
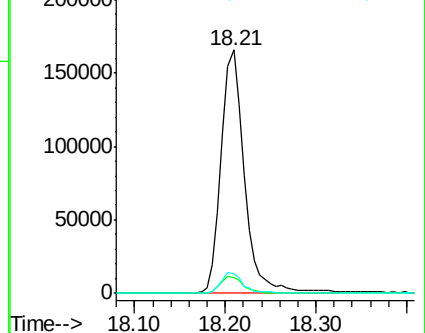
80 8.1 7.7 11.5



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: 2.973 ng

RT: 16.95 min Scan# 2325

Delta R.T. -0.43 min

Lab File: BG033658.D

Acq: 7 Apr 2018 9:55

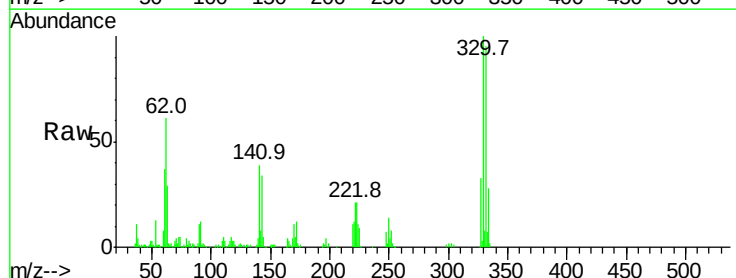
Tgt Ion:248 Resp: 10385

Ion Ratio Lower Upper

248 100

250 194.2 77.1 115.7#

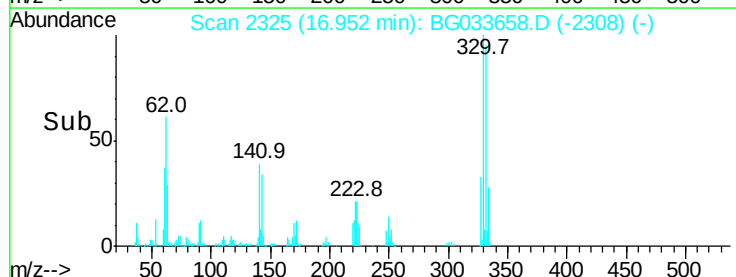
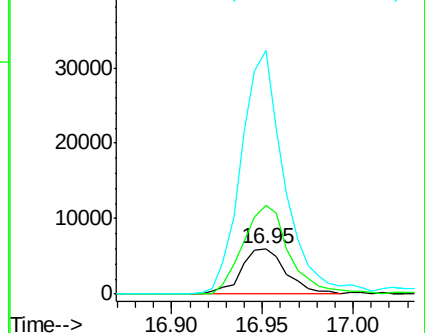
141 535.1 50.8 76.2#

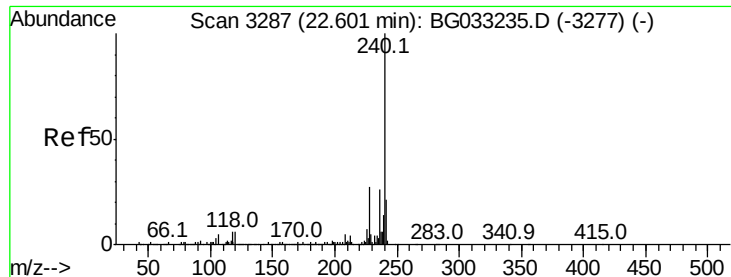


Abundance Ion 248.00 (247.70 to 248.70): E

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: 22.55 min Scan# 3278

Delta R.T. -0.01 min

Lab File: BG033658.D

Acq: 7 Apr 2018 9:55

Instrument :

BNA_G

ClientSampleId :

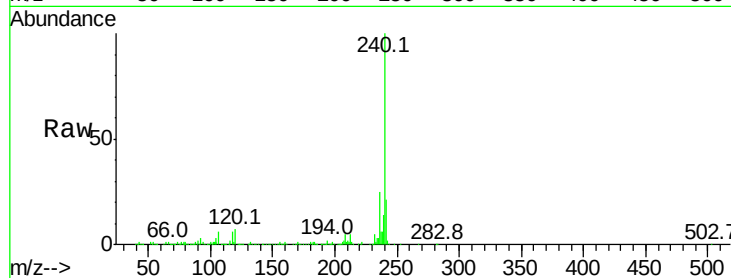
Tot Ion:240 Resp: 300777

Ion Ratio Lower Upper

240 100

120 6.6 6.8 10.2#

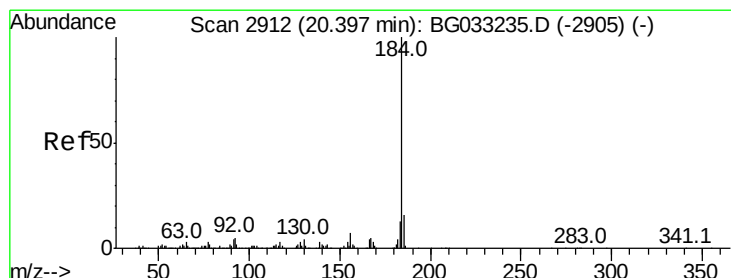
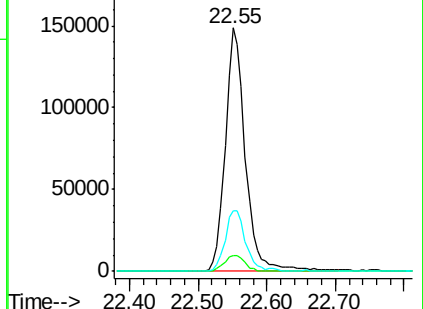
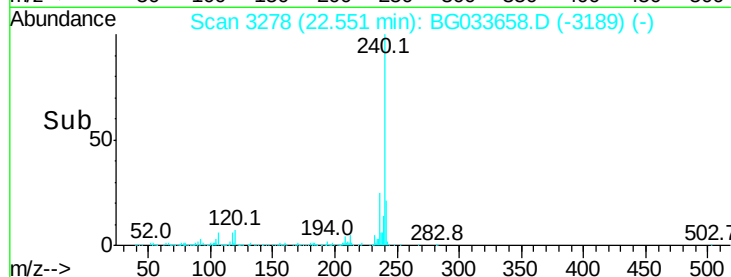
236 25.1 20.9 31.3



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: 2.583 ng

RT: 20.73 min Scan# 2968

Delta R.T. 0.36 min

Lab File: BG033658.D

Acq: 7 Apr 2018 9:55

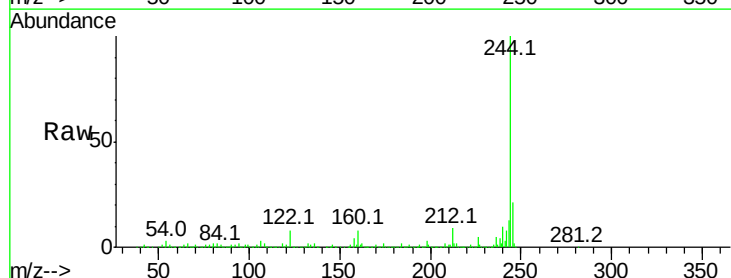
Tgt Ion:184 Resp: 21071

Ion Ratio Lower Upper

184 100

185 17.3 11.1 16.7#

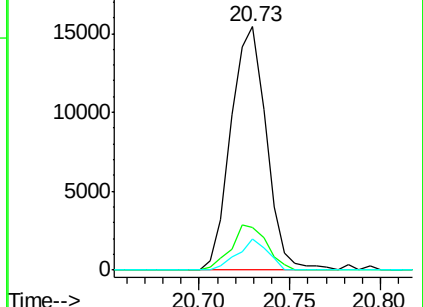
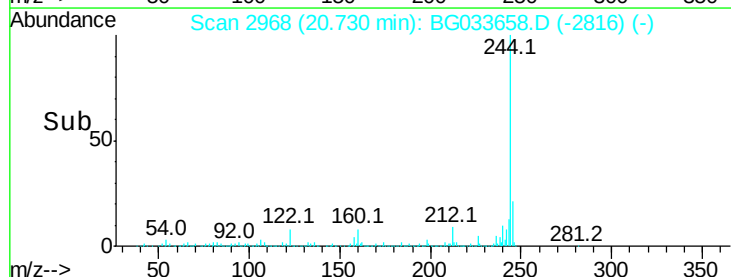
183 12.8 10.6 16.0

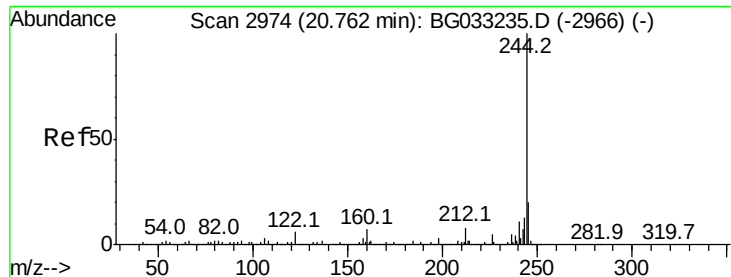


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#78

Terphenyl-d14

Concen: 92.472 ng

RT: 20.73 min Scan# 2968

Delta R.T. 0.00 min

Lab File: BG033658.D

Acq: 7 Apr 2018 9:55

Instrument :

BNA_G

ClientSampled :

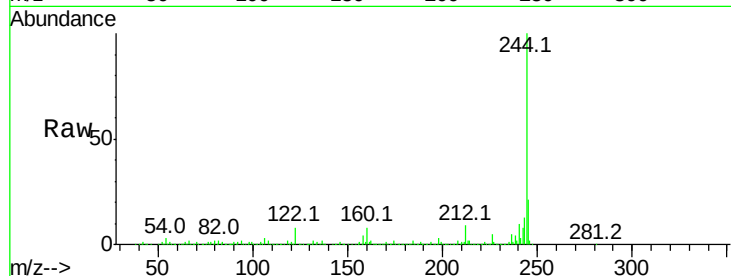
Tot Ion:244 Resp: 1300543

Ion Ratio Lower Upper

244 100

212 8.7 5.8 8.8

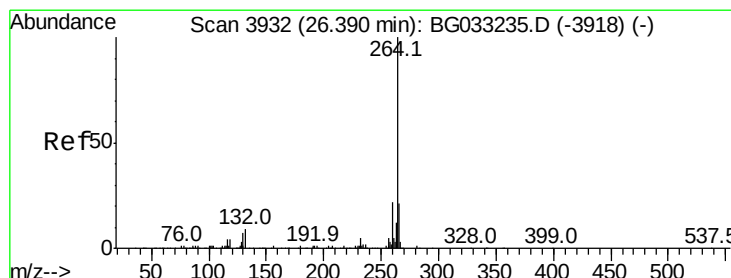
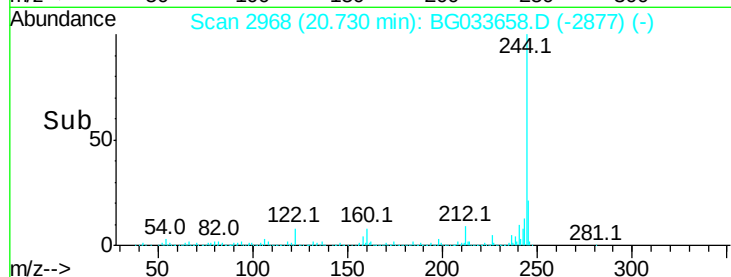
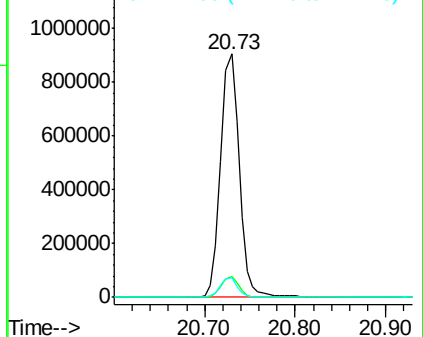
122 7.9 7.0 10.4



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: 26.32 min Scan# 3919

Delta R.T. -0.00 min

Lab File: BG033658.D

Acq: 7 Apr 2018 9:55

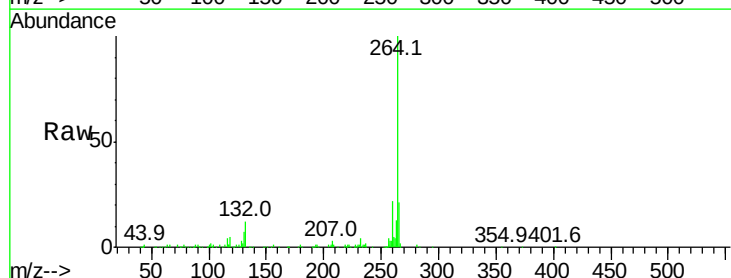
Tgt Ion:264 Resp: 304697

Ion Ratio Lower Upper

264 100

260 22.1 17.4 26.0

265 20.7 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

