

Data Path : Z:\HPCHEM1\BNA G\DATA\BG041118\
 Data File : BG033757.D
 Acq On : 11 Apr 2018 22:33
 Operator : SJ/JU
 Sample : J2320-07
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Apr 12 01:37:17 2018
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG031918.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Apr 10 16:51:36 2018
 Response via : Initial Calibration

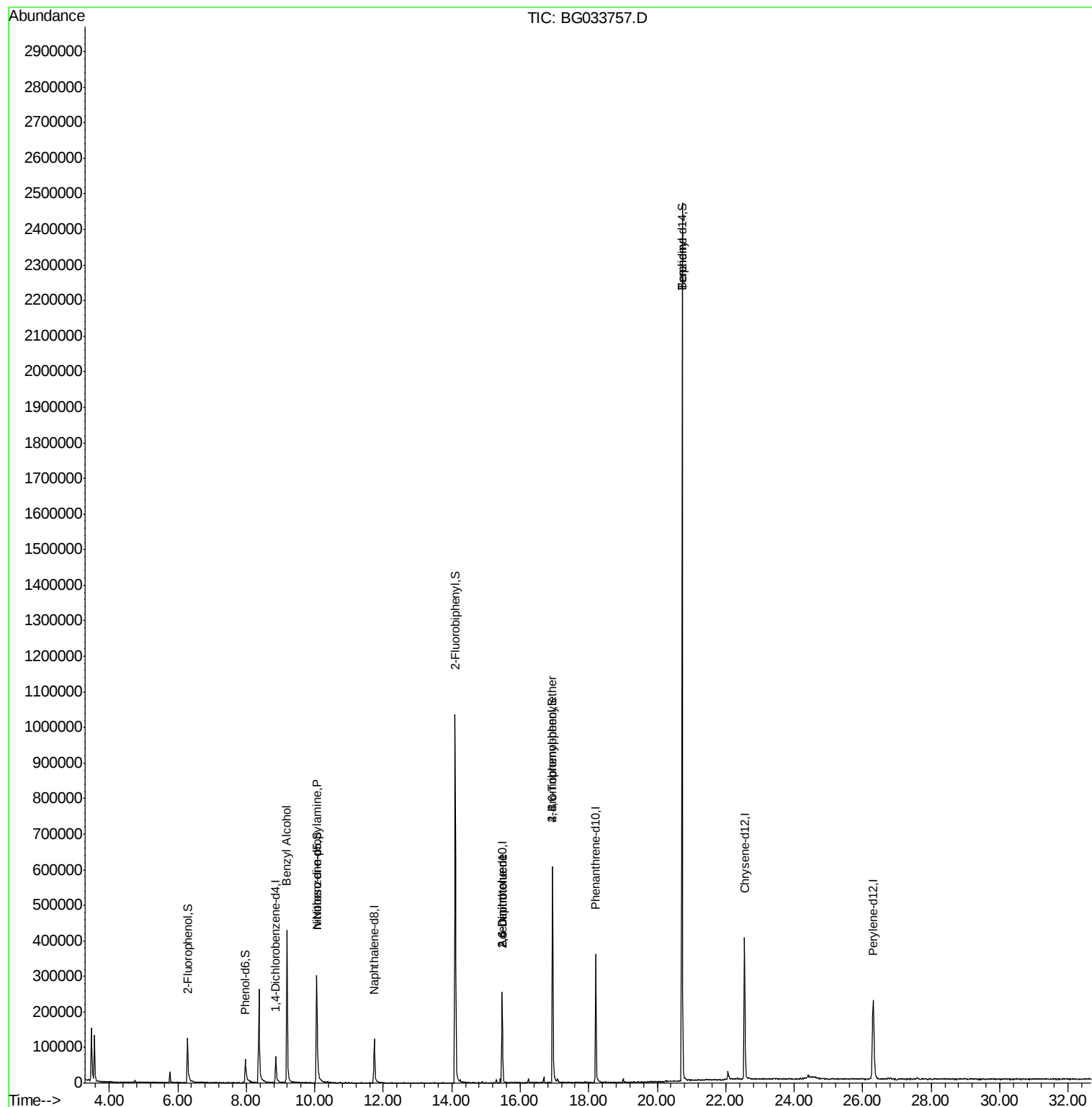
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.86	152	29348	20.00	ng	0.00
21) Naphthalene-d8	11.74	136	121814	20.00	ng	0.00
38) Acenaphthene-d10	15.47	164	92605	20.00	ng	0.00
63) Phenanthrene-d10	18.20	188	266458	20.00	ng	0.00
75) Chrysene-d12	22.55	240	292326	20.00	ng	0.00
86) Perylene-d12	26.30	264	310628	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	6.28	112	64258	41.06	ng	0.00
7) Phenol-d6	7.97	99	58767	21.85	ng	0.00
23) Nitrobenzene-d5	10.06	82	249034	93.93	ng	0.00
41) 2,4,6-Tribromophenol	16.95	330	124088	89.59	ng	0.00
44) 2-Fluorobiphenyl	14.10	172	599203	93.41	ng	0.00
78) Terphenyl-d14	20.73	244	1296534	94.85	ng	0.00
Target Compounds						
15) Benzyl Alcohol	9.19	79	4285	2.024	ng	# 49
19) n-Nitroso-di-n-propylamine	10.06	70	34242	17.377	ng	# 78
50) 2,6-Dinitrotoluene	15.47	165	12223	7.417	ng	# 18
56) 2,4-Dinitrotoluene	15.47	165	12223	5.038	ng	# 16
66) 4-Bromophenyl-phenylether	16.95	248	8966	2.865	ng	# 1
76) Benzidine	20.73	184	22871	2.885	ng	# 94

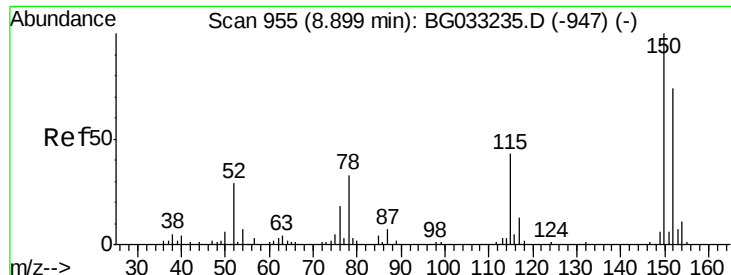
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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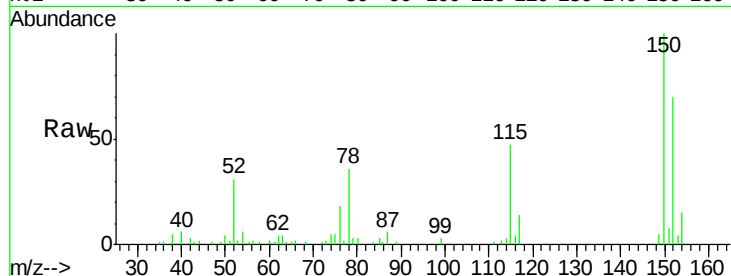


#1

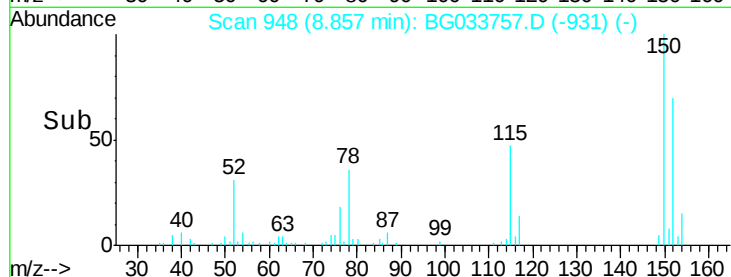
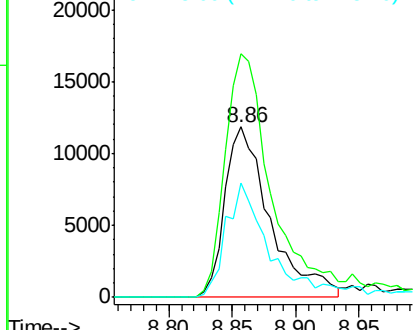
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.86 min Scan# 948
Delta R.T. -0.00 min
Lab File: BG033757.D
Acq: 11 Apr 2018 22:33

Instrument :
BNA_G
ClientSampleId :

Tot Ion:152 Resp: 29348
Ion Ratio Lower Upper
152 100
150 142.7 126.6 189.8
115 67.2 53.0 79.4



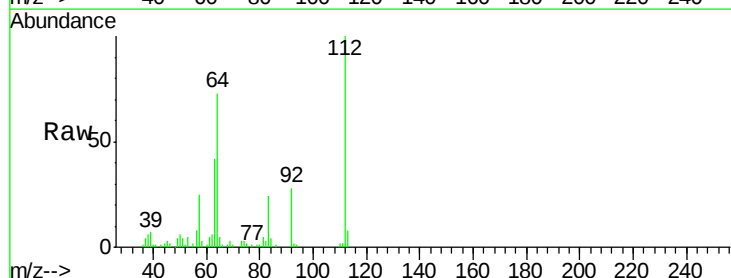
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



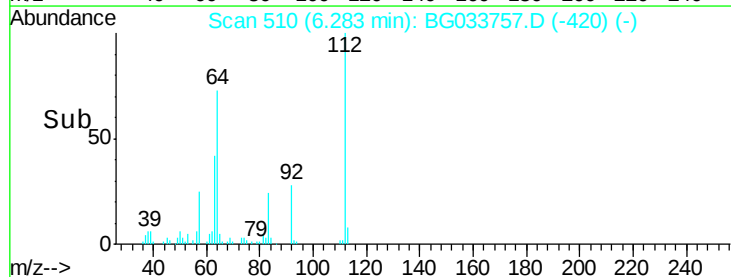
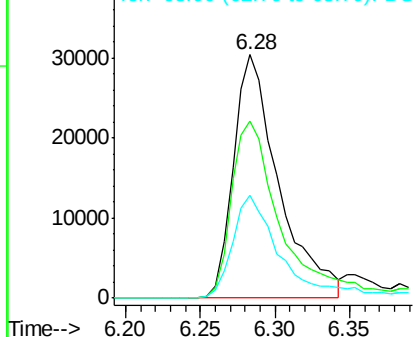
#5

2-Fluorophenol
Concen: 41.056 ng
RT: 6.28 min Scan# 510
Delta R.T. -0.00 min
Lab File: BG033757.D
Acq: 11 Apr 2018 22:33

Tgt Ion:112 Resp: 64258
Ion Ratio Lower Upper
112 100
64 72.9 56.3 84.5
63 42.3 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: 21.853 ng

RT: 7.97 min Scan# 797

Delta R.T. -0.00 min

Lab File: BG033757.D

Acq: 11 Apr 2018 22:33

Instrument :

BNA_G

ClientSampled :

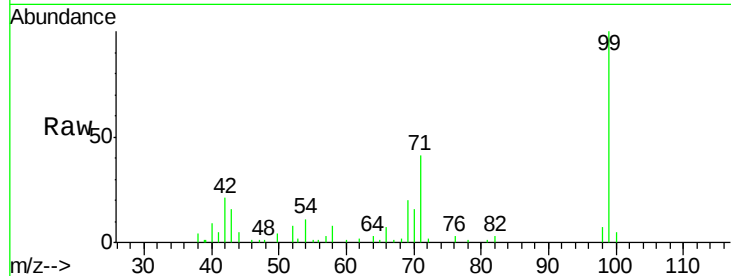
Tot Ion: 99 Resp: 58767

Ion Ratio Lower Upper

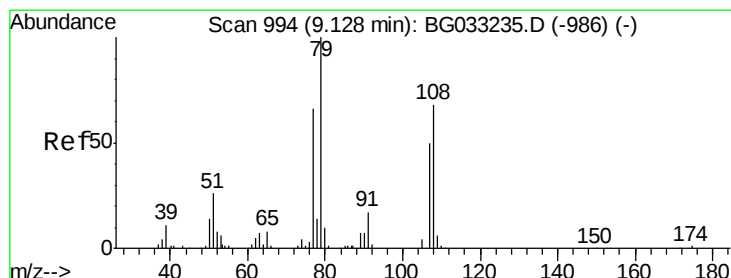
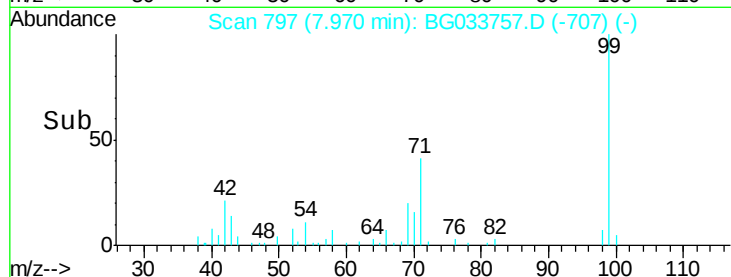
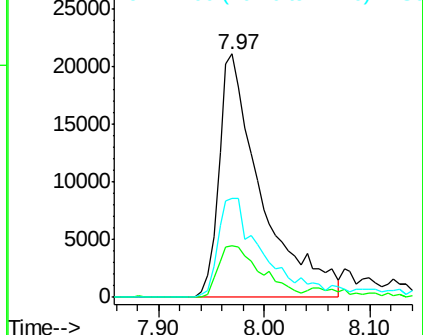
99 100

42 21.4 14.1 21.1#

71 40.7 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: 2.024 ng

RT: 9.19 min Scan# 1004

Delta R.T. 0.09 min

Lab File: BG033757.D

Acq: 11 Apr 2018 22:33

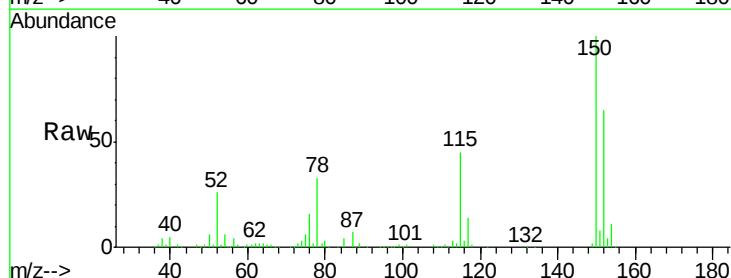
Tgt Ion: 79 Resp: 4285

Ion Ratio Lower Upper

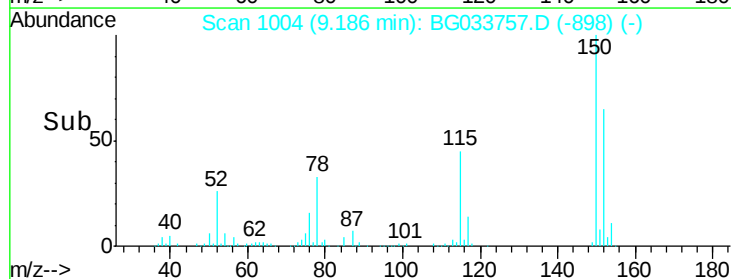
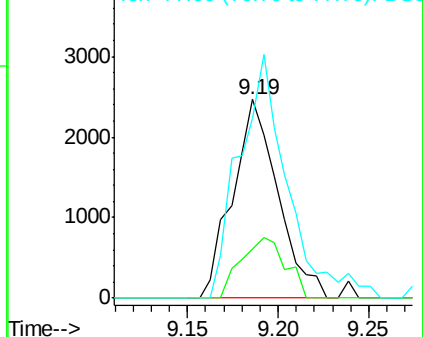
79 100

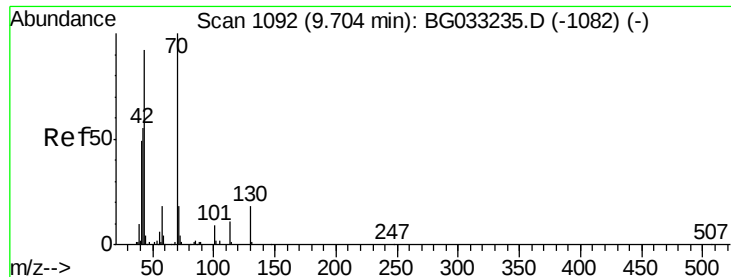
108 24.9 57.2 85.8#

77 90.5 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

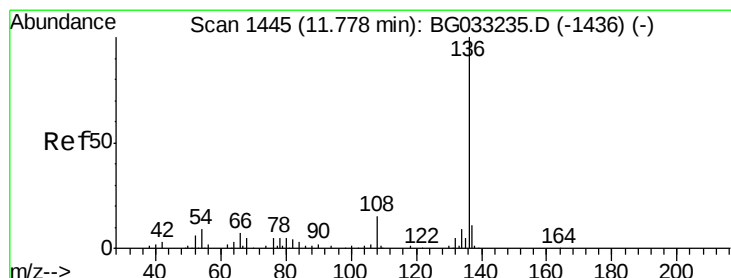
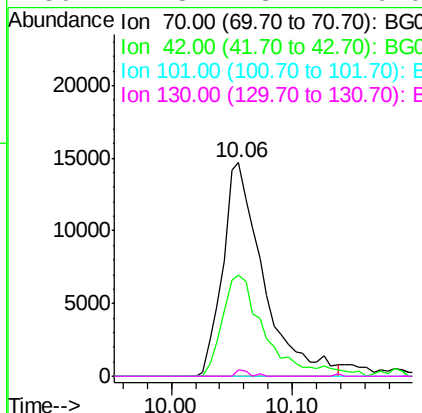
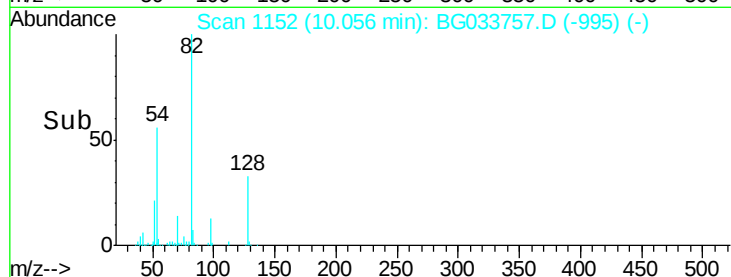
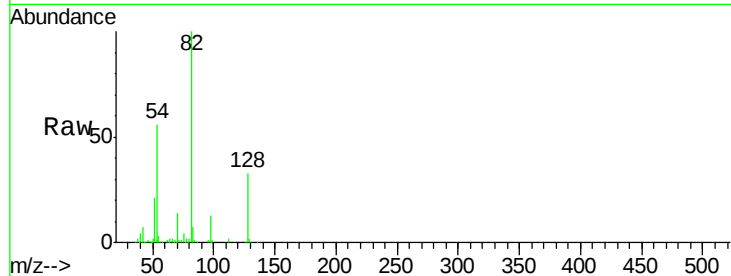




#19
n-Nitroso-di-n-propylamine
Concen: 17.377 ng
RT: 10.06 min Scan# 1152
Delta R.T. 0.39 min
Lab File: BG033757.D
Acq: 11 Apr 2018 22:33

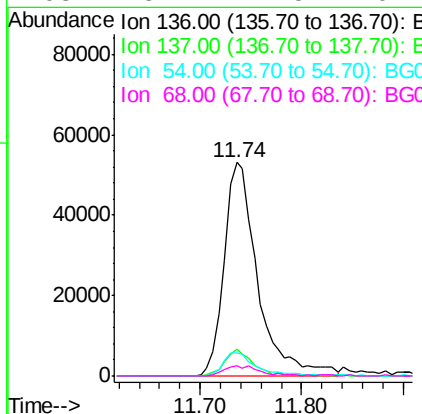
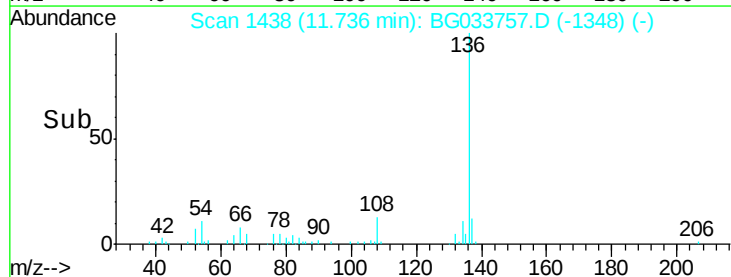
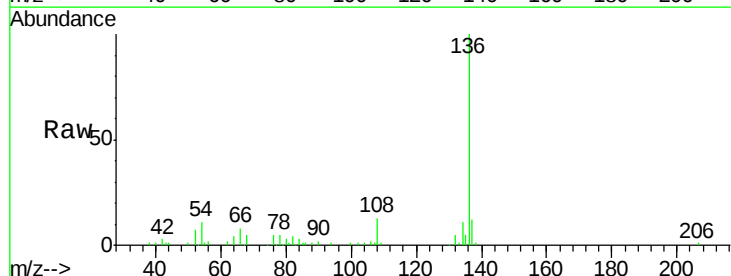
Instrument :
BNA_G
ClientSampleId :

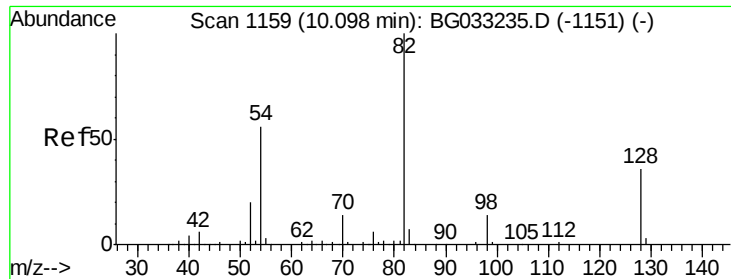
Tot Ion: 70 Resp: 34242
Ion Ratio Lower Upper
70 100
42 47.1 49.1 73.7#
101 0.0 8.5 12.7#
130 2.8 13.4 20.0#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.74 min Scan# 1438
Delta R.T. -0.00 min
Lab File: BG033757.D
Acq: 11 Apr 2018 22:33

Tgt Ion: 136 Resp: 121814
Ion Ratio Lower Upper
136 100
137 12.3 9.2 13.8
54 11.1 10.3 15.5
68 5.1 4.5 6.7





#23

Nitrobenzene-d5

Concen: 93.927 ng

RT: 10.06 min Scan# 1152

Delta R.T. -0.00 min

Lab File: BG033757.D

Acq: 11 Apr 2018 22:33

Instrument :

BNA_G

ClientSampleId :

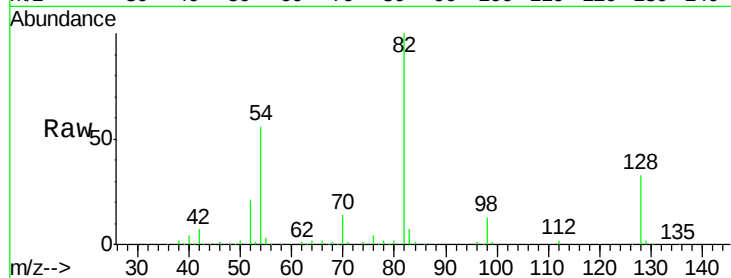
Tot Ion: 82 Resp: 249034

Ion Ratio Lower Upper

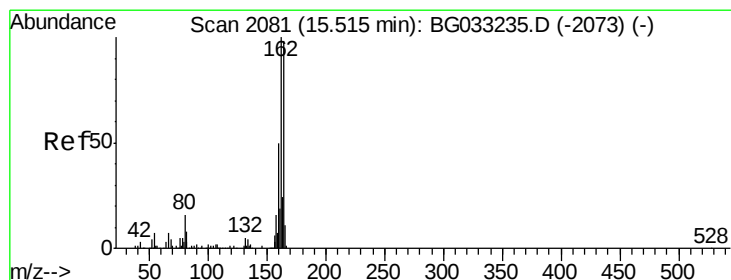
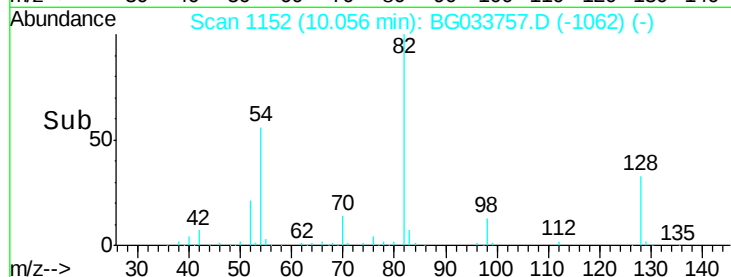
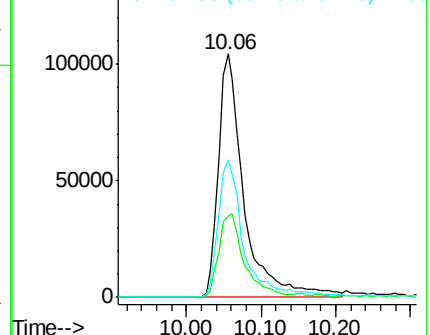
82 100

128 33.4 29.7 44.5

54 56.4 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: 15.47 min Scan# 2074

Delta R.T. -0.00 min

Lab File: BG033757.D

Acq: 11 Apr 2018 22:33

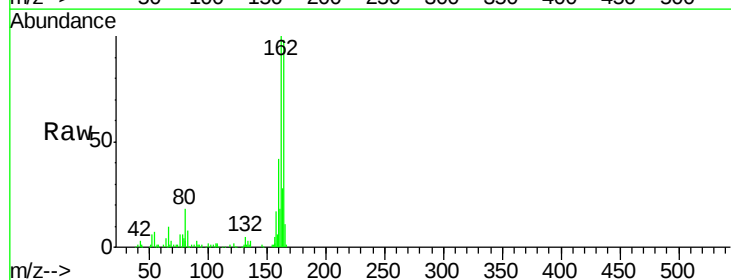
Tgt Ion: 164 Resp: 92605

Ion Ratio Lower Upper

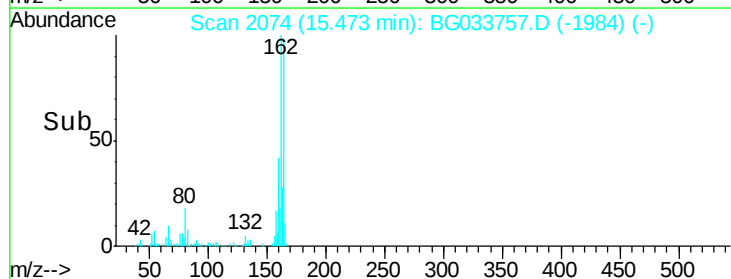
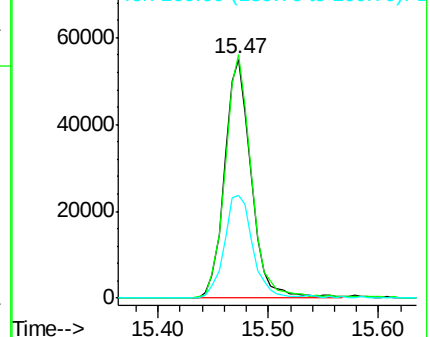
164 100

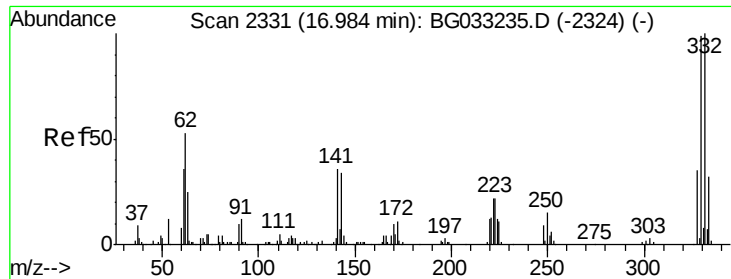
162 102.0 78.8 118.2

160 43.3 35.4 53.0



Abundance Ion 164.00 (163.70 to 164.70): BGC
Ion 162.00 (161.70 to 162.70): BGC
Ion 160.00 (159.70 to 160.70): BGC

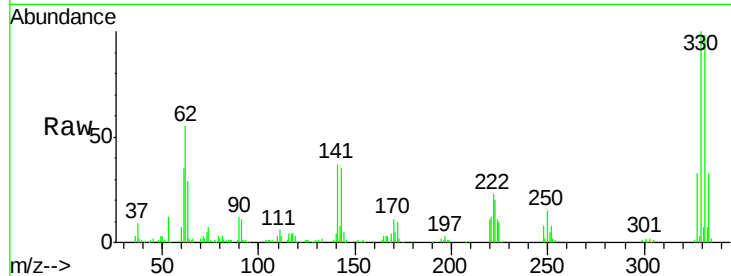




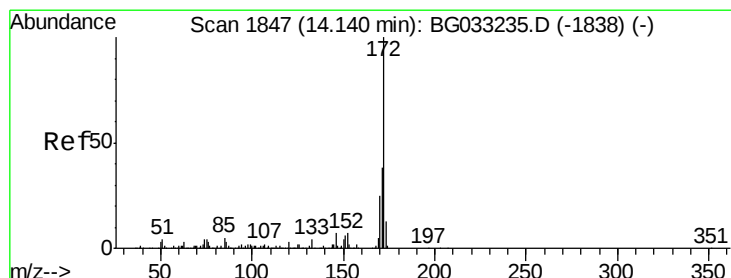
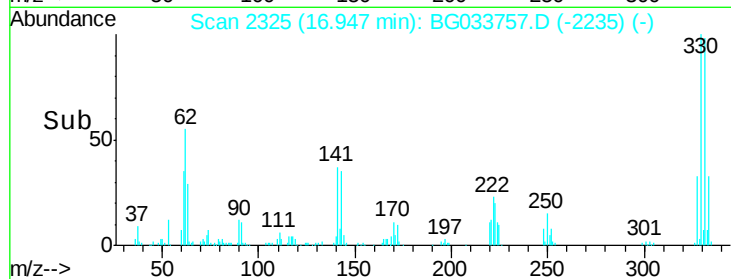
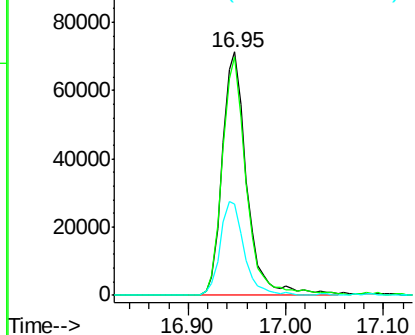
#41
 2,4,6-Tribromophenol
 Concen: 89.593 ng
 RT: 16.95 min Scan# 2325
 Delta R.T. -0.00 min
 Lab File: BG033757.D
 Acq: 11 Apr 2018 22:33

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.7	77.0	115.6
141	37.9	25.2	37.8#

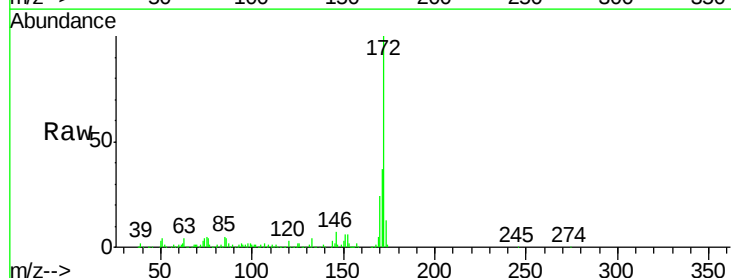


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

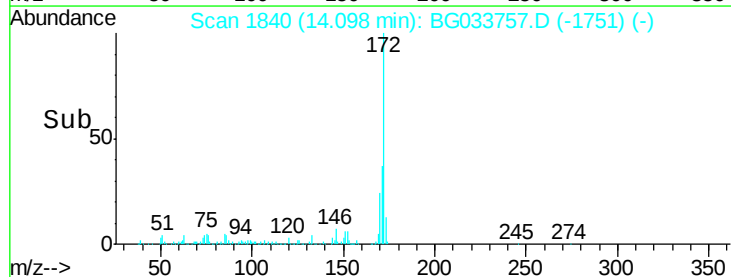
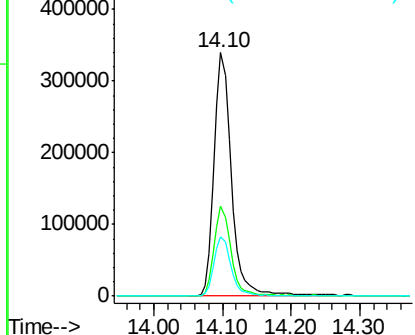


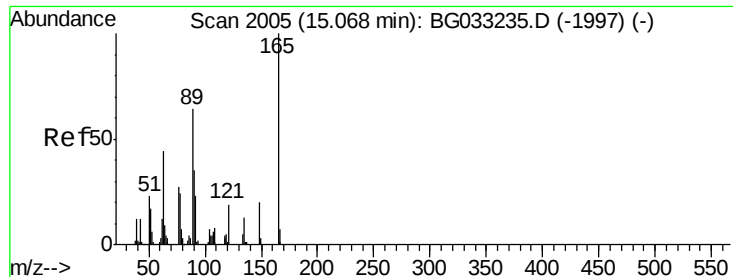
#44
 2-Fluorobiphenyl
 Concen: 93.411 ng
 RT: 14.10 min Scan# 1840
 Delta R.T. -0.01 min
 Lab File: BG033757.D
 Acq: 11 Apr 2018 22:33

Tgt Ion	Ratio	Lower	Upper
172	100		
171	37.0	30.0	45.0
170	24.2	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

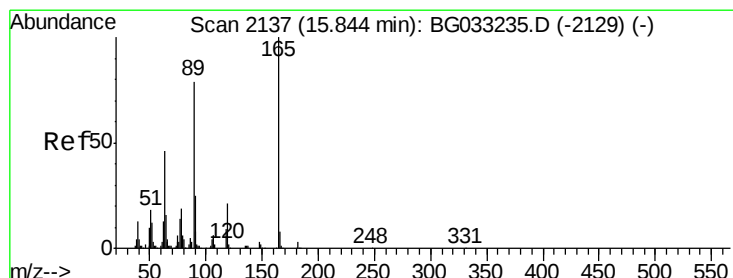
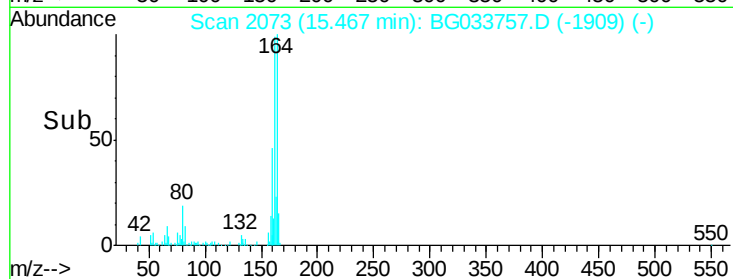
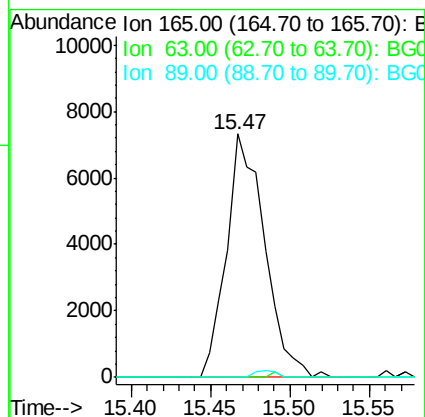
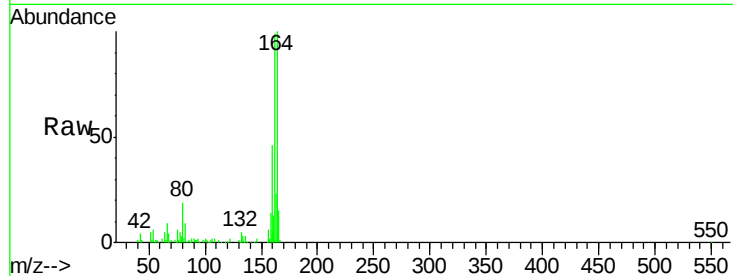




#50
2,6-Dinitrotoluene
Concen: 7.417 ng
RT: 15.47 min Scan# 2073
Delta R.T. 0.43 min
Lab File: BG033757.D
Acq: 11 Apr 2018 22:33

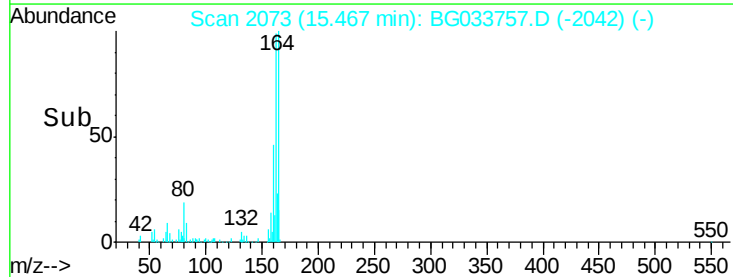
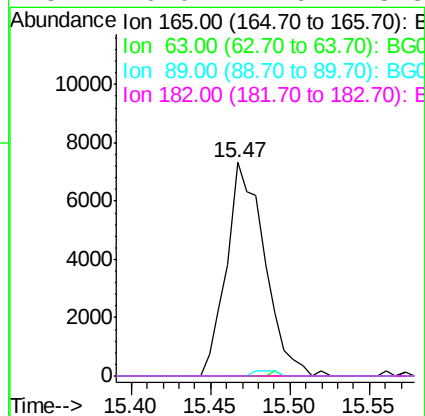
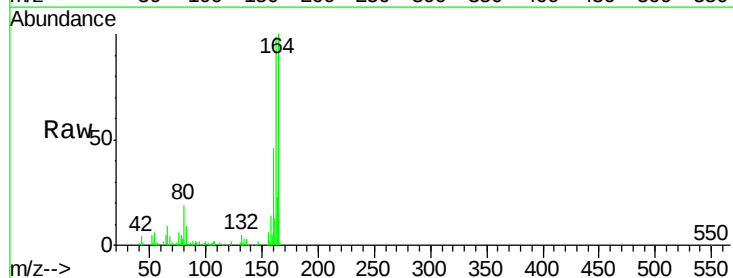
Instrument :
BNA_G
ClientSampleId :

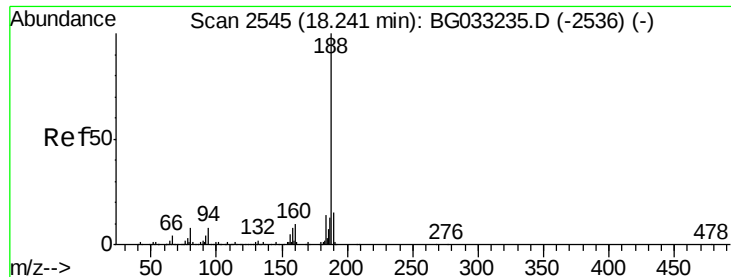
Tot Ion:165 Resp: 12223
Ion Ratio Lower Upper
165 100
63 0.0 52.7 79.1#
89 0.0 49.2 73.8#



#56
2,4-Dinitrotoluene
Concen: 5.038 ng
RT: 15.47 min Scan# 2073
Delta R.T. -0.35 min
Lab File: BG033757.D
Acq: 11 Apr 2018 22:33

Tgt Ion:165 Resp: 12223
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#

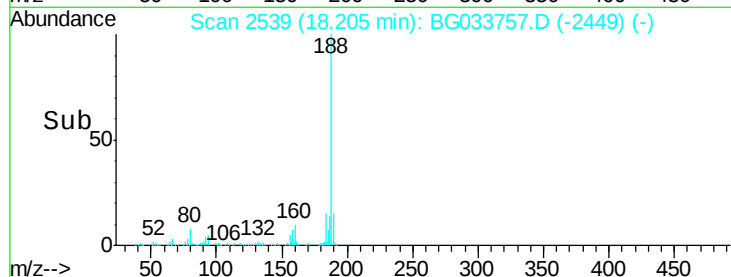
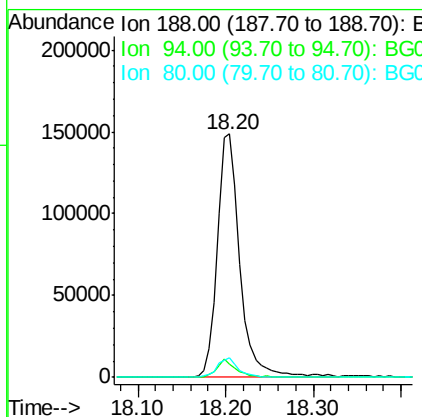
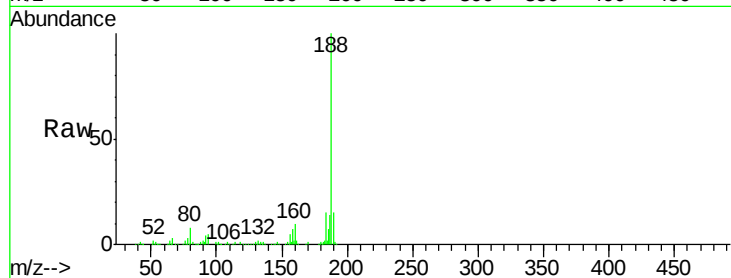




#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 18.20 min Scan# 2539
Delta R.T. -0.00 min
Lab File: BG033757.D
Acq: 11 Apr 2018 22:33

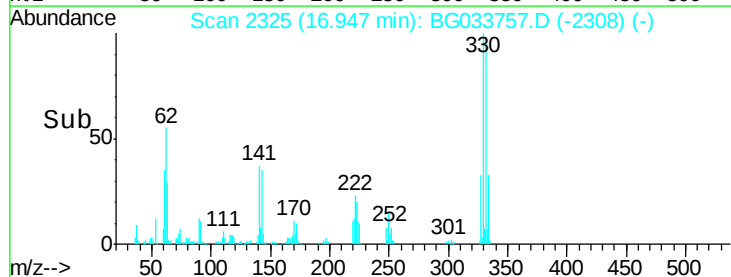
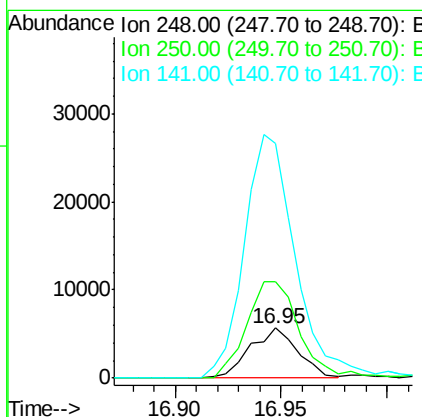
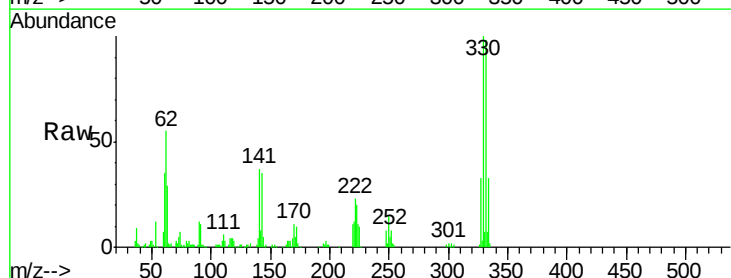
Instrument :
BNA_G
ClientSampleId :

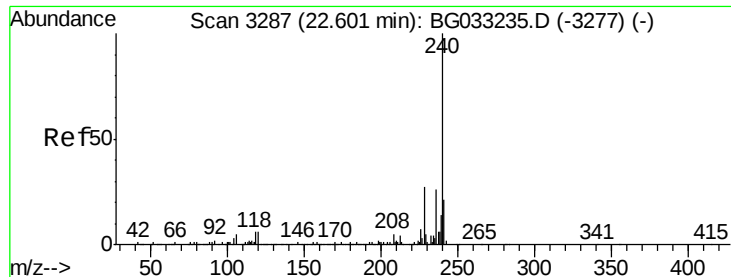
Tot Ion	Ratio	Lower	Upper
188	100		
94	5.4	6.9	10.3#
80	7.9	7.7	11.5



#66
4-Bromophenyl-phenylether
Concen: 2.865 ng
RT: 16.95 min Scan# 2325
Delta R.T. -0.43 min
Lab File: BG033757.D
Acq: 11 Apr 2018 22:33

Tgt Ion	Ratio	Lower	Upper
248	100		
250	191.5	77.1	115.7#
141	467.0	50.8	76.2#





#75

Chrysene-d12

Concen: 20.000 ng

RT: 22.55 min Scan# 3278

Delta R.T. -0.01 min

Lab File: BG033757.D

Acq: 11 Apr 2018 22:33

Instrument :

BNA_G

ClientSampleId :

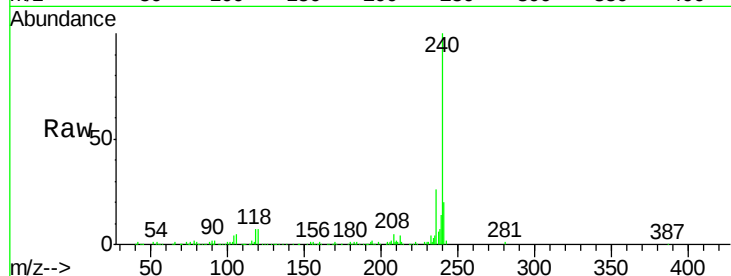
Tot Ion:240 Resp: 292326

Ion Ratio Lower Upper

240 100

120 7.3 6.8 10.2

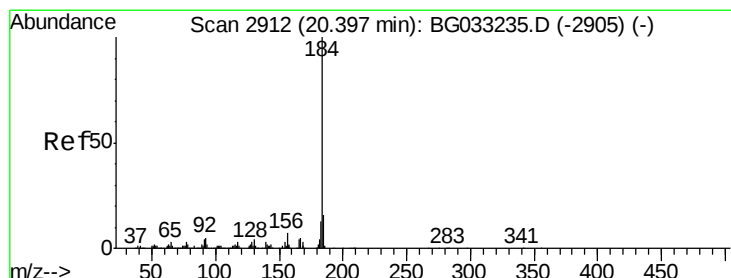
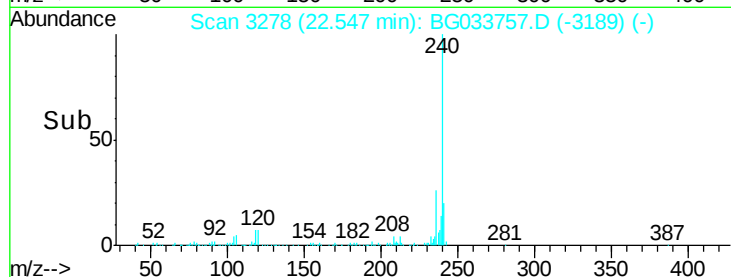
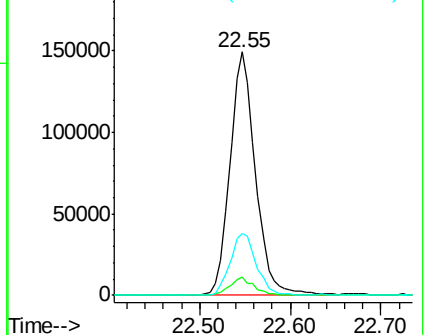
236 25.7 20.9 31.3



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: 2.885 ng

RT: 20.73 min Scan# 2968

Delta R.T. 0.36 min

Lab File: BG033757.D

Acq: 11 Apr 2018 22:33

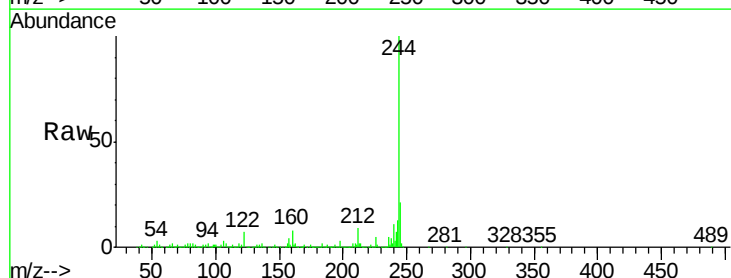
Tgt Ion:184 Resp: 22871

Ion Ratio Lower Upper

184 100

185 14.0 11.1 16.7

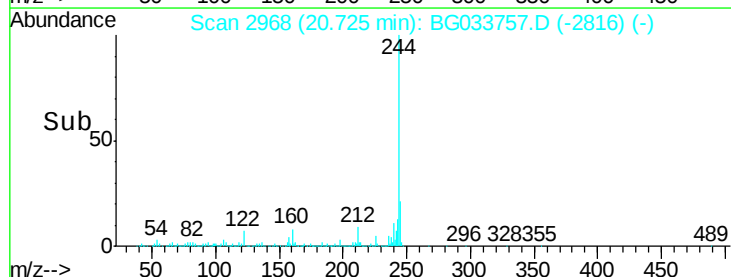
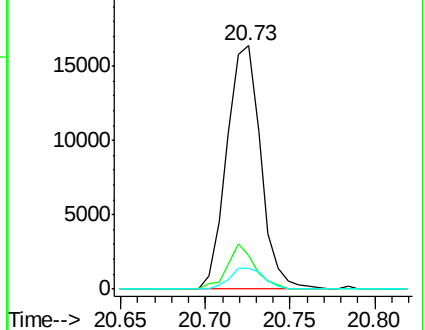
183 8.8 10.6 16.0#

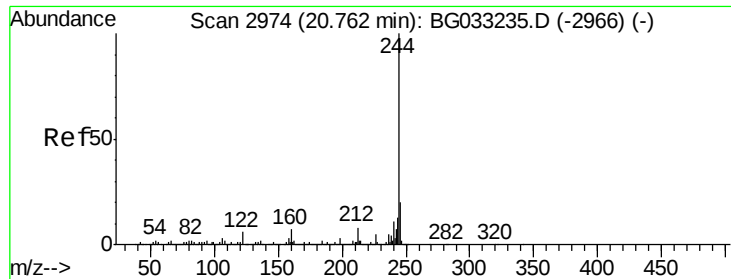


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#78

Terphenyl-d14

Concen: 94.852 ng

RT: 20.73 min Scan# 2968

Delta R.T. -0.00 min

Lab File: BG033757.D

Acq: 11 Apr 2018 22:33

Instrument :

BNA_G

ClientSampled :

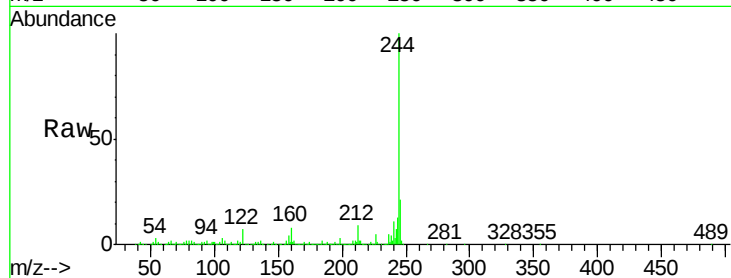
Tot Ion:244 Resp: 1296534

Ion Ratio Lower Upper

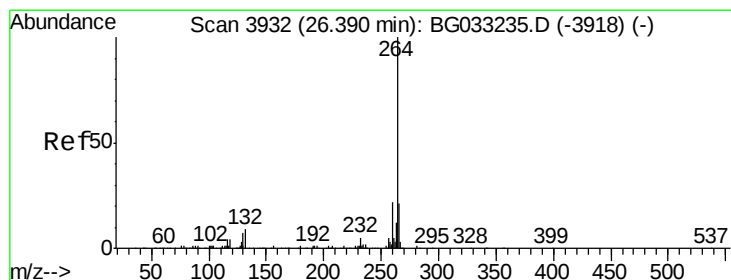
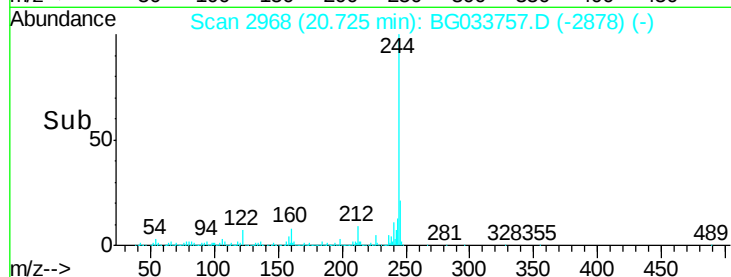
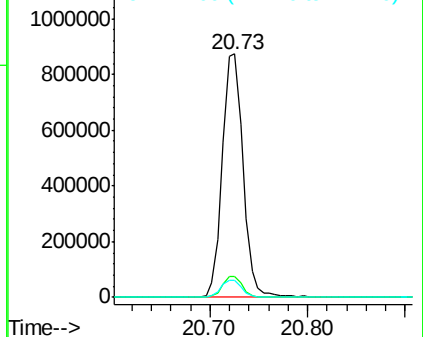
244 100

212 8.7 5.8 8.8

122 6.9 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: 26.30 min Scan# 3917

Delta R.T. -0.01 min

Lab File: BG033757.D

Acq: 11 Apr 2018 22:33

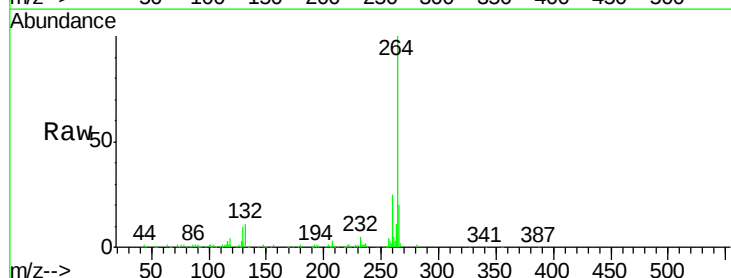
Tgt Ion:264 Resp: 310628

Ion Ratio Lower Upper

264 100

260 24.8 17.4 26.0

265 20.1 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

