

Data Path : Z:\HPCHEM1\BNA G\DATA\BG041118\
 Data File : BG033760.D
 Acq On : 12 Apr 2018 00:26
 Operator : SJ/JU
 Sample : J2320-10
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Apr 12 01:38:04 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

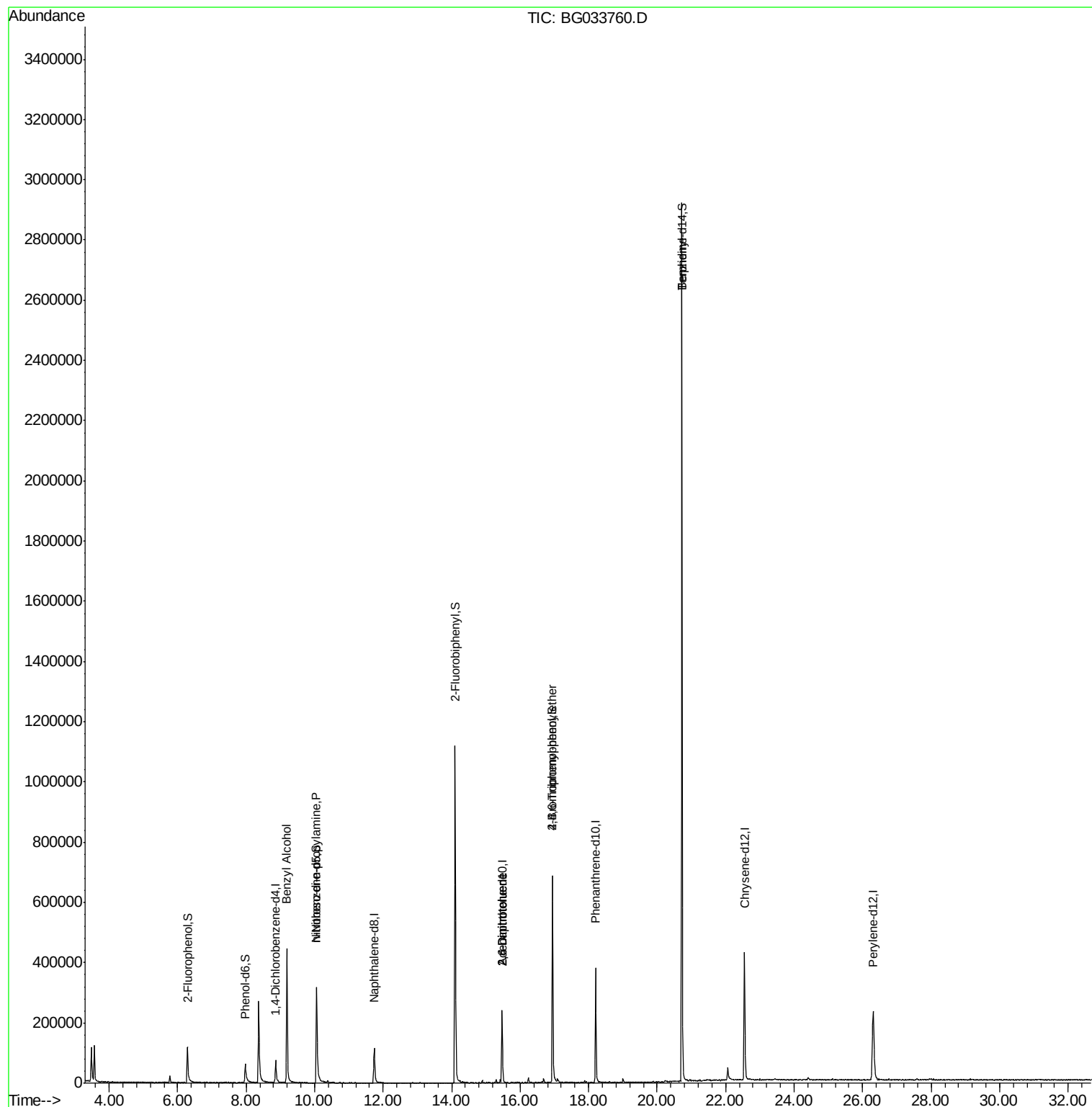
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.86	152	28329	20.00	ng	0.00
21) Naphthalene-d8	11.73	136	120500	20.00	ng	0.00
38) Acenaphthene-d10	15.47	164	90336	20.00	ng	0.00
63) Phenanthrene-d10	18.20	188	273127	20.00	ng	0.00
75) Chrysene-d12	22.55	240	304829	20.00	ng	0.00
86) Perylene-d12	26.31	264	322484	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	6.29	112	67160	44.45	ng	0.00
7) Phenol-d6	7.97	99	57917	22.31	ng	0.00
23) Nitrobenzene-d5	10.05	82	253818	96.78	ng	0.00
41) 2,4,6-Tribromophenol	16.95	330	137287	101.61	ng	0.00
44) 2-Fluorobiphenyl	14.10	172	627817	100.33	ng	0.00
78) Terphenyl-d14	20.72	244	1439280	100.98	ng	0.00
Target Compounds						
15) Benzyl Alcohol	9.19	79	4749	2.324	ng	# 42
19) n-Nitroso-di-n-propylamine	10.05	70	36790	19.341	ng	# 77
50) 2,6-Dinitrotoluene	15.47	165	11303	7.031	ng	# 18
56) 2,4-Dinitrotoluene	15.47	165	11303	4.776	ng	# 16
66) 4-Bromophenyl-phenylether	16.94	248	10056	3.135	ng	# 1
76) Benzidine	20.72	184	24238	2.932	ng	# 94

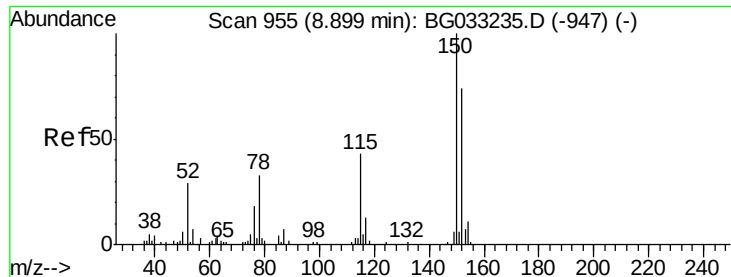
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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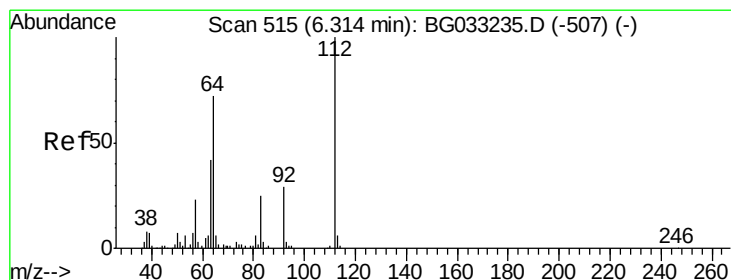
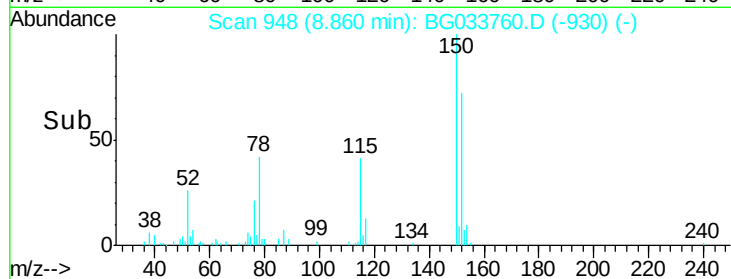
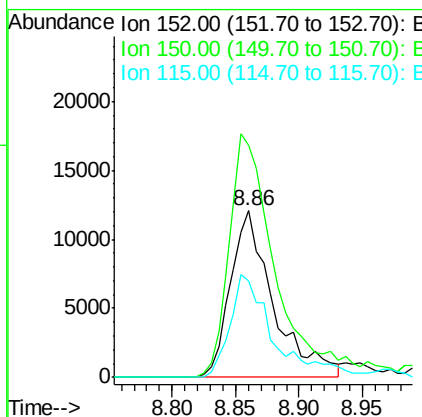
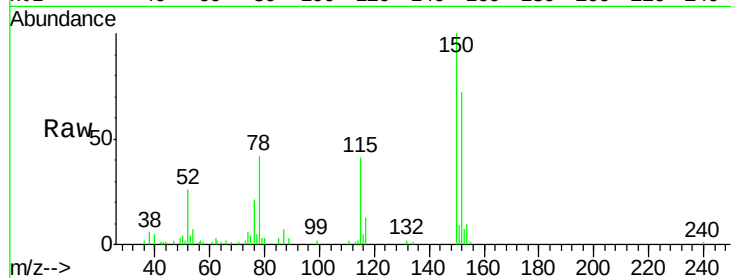


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.86 min Scan# 948
Delta R.T. 0.00 min
Lab File: BG033760.D
Acq: 12 Apr 2018 00:26

Instrument :
BNA_G
ClientSampled :

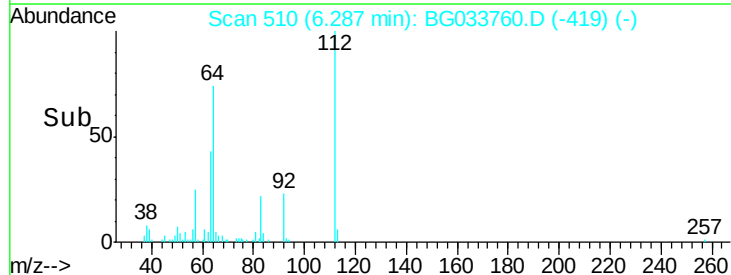
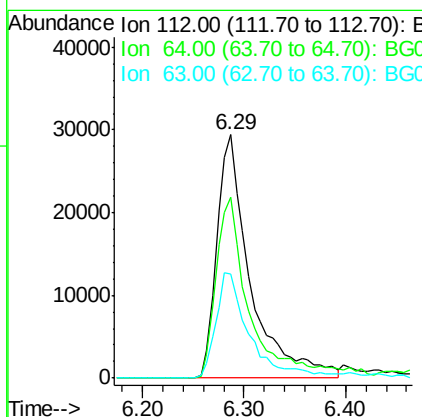
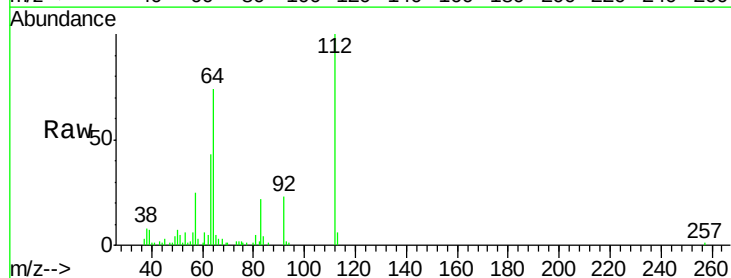
Tot Ion	152	Resp	28329
Ion Ratio	Lower	Upper	
152	100		
150	139.6	126.6	189.8
115	57.8	53.0	79.4

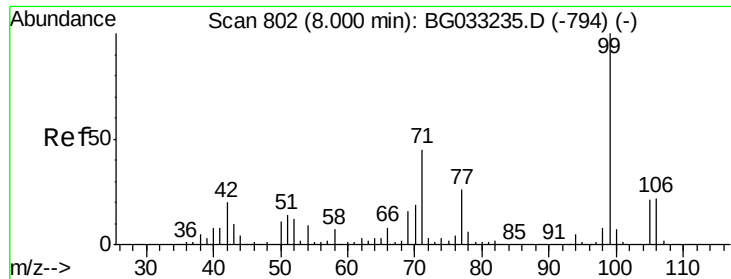


#5

2-Fluorophenol
Concen: 44.454 ng
RT: 6.29 min Scan# 510
Delta R.T. 0.00 min
Lab File: BG033760.D
Acq: 12 Apr 2018 00:26

Tgt Ion	112	Resp	67160
Ion Ratio	Lower	Upper	
112	100		
64	74.3	56.3	84.5
63	42.7	30.1	45.1





#7

Phenol-d6

Concen: 22.312 ng

RT: 7.97 min Scan# 796

Delta R.T. -0.00 min

Lab File: BG033760.D

Acq: 12 Apr 2018 00:26

Instrument :

BNA_G

ClientSampleId :

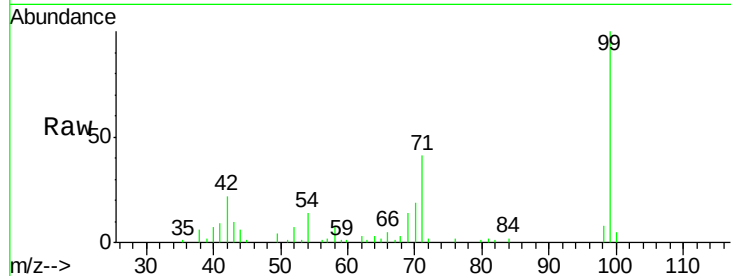
Tot Ion: 99 Resp: 57917

Ion Ratio Lower Upper

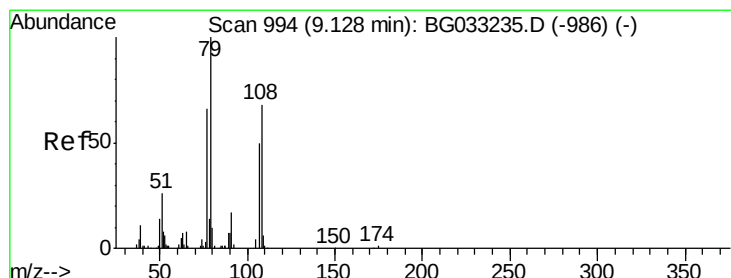
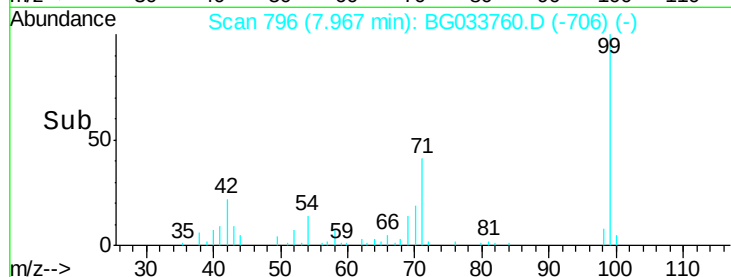
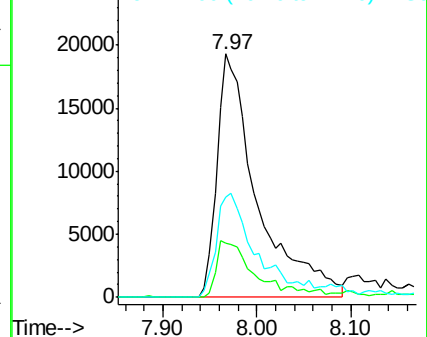
99 100

42 22.2 14.1 21.1#

71 41.0 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: 2.324 ng

RT: 9.19 min Scan# 1004

Delta R.T. 0.10 min

Lab File: BG033760.D

Acq: 12 Apr 2018 00:26

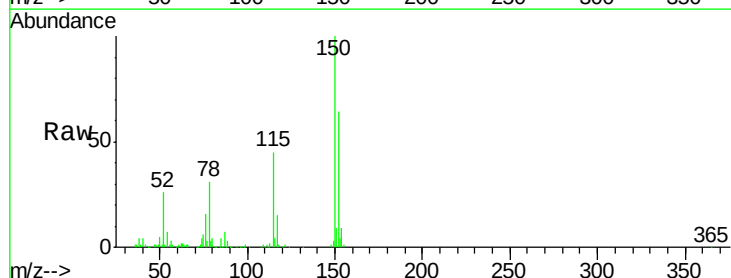
Tgt Ion: 79 Resp: 4749

Ion Ratio Lower Upper

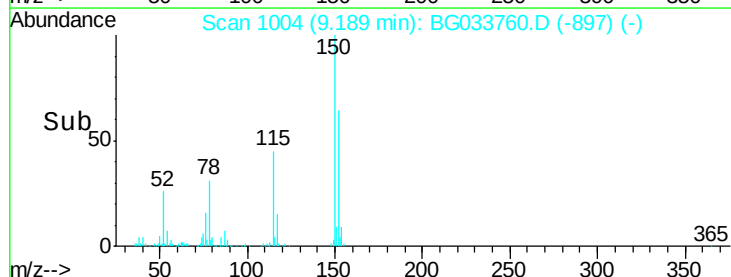
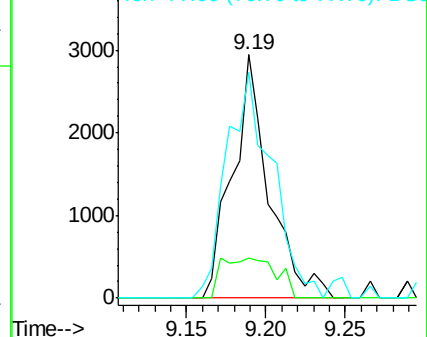
79 100

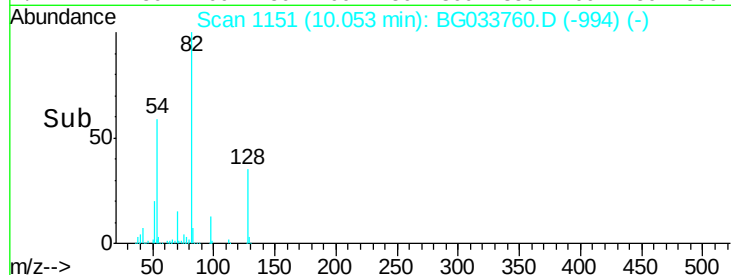
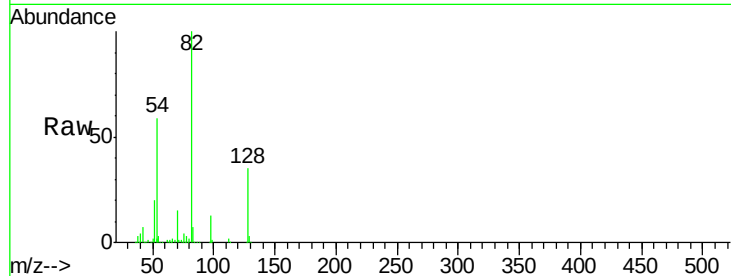
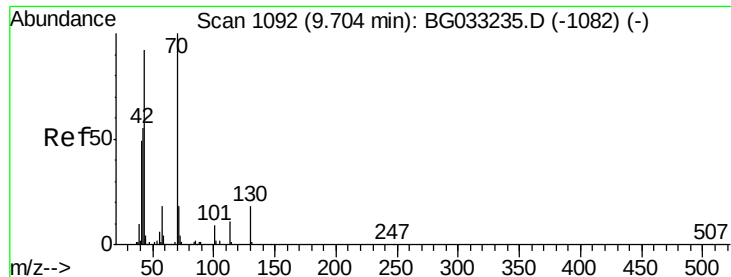
108 16.5 57.2 85.8#

77 92.9 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

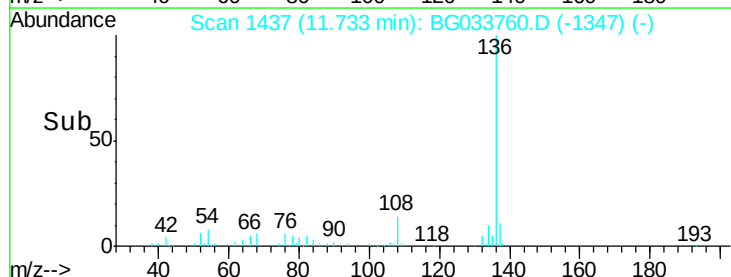
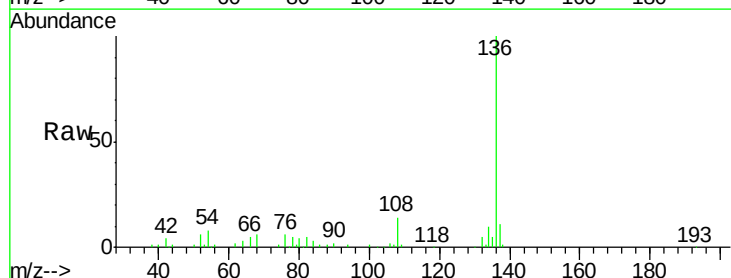
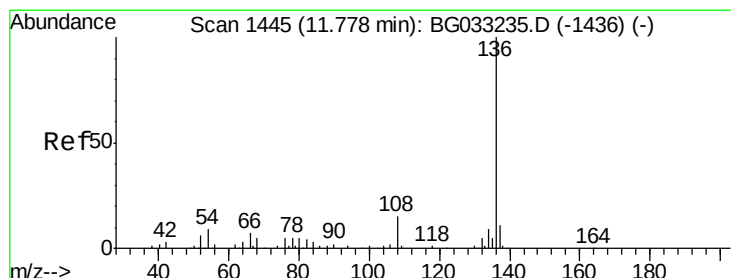
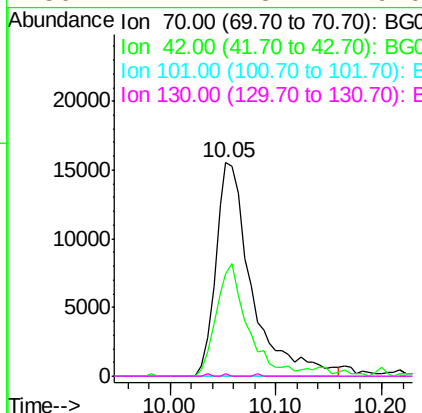




#19
n-Nitroso-di-n-propylamine
Concen: 19.341 ng
RT: 10.05 min Scan# 1151
Delta R.T. 0.39 min
Lab File: BG033760.D
Acq: 12 Apr 2018 00:26

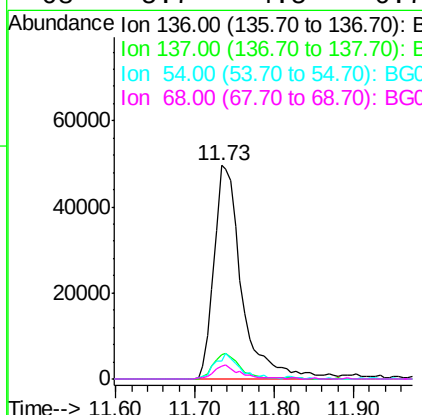
Instrument :
BNA_G
ClientSampleId :

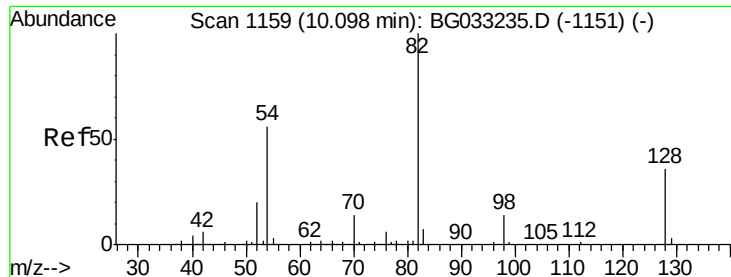
Tot Ion: 70 Resp: 36790
Ion Ratio Lower Upper
70 100
42 47.7 49.1 73.7#
101 0.0 8.5 12.7#
130 1.1 13.4 20.0#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.73 min Scan# 1437
Delta R.T. -0.00 min
Lab File: BG033760.D
Acq: 12 Apr 2018 00:26

Tgt Ion: 136 Resp: 120500
Ion Ratio Lower Upper
136 100
137 11.4 9.2 13.8
54 8.7 10.3 15.5#
68 5.7 4.5 6.7





#23

Nitrobenzene-d5

Concen: 96.775 ng

RT: 10.05 min Scan# 1151

Delta R.T. -0.00 min

Lab File: BG033760.D

Acq: 12 Apr 2018 00:26

Instrument :

BNA_G

ClientSampleId :

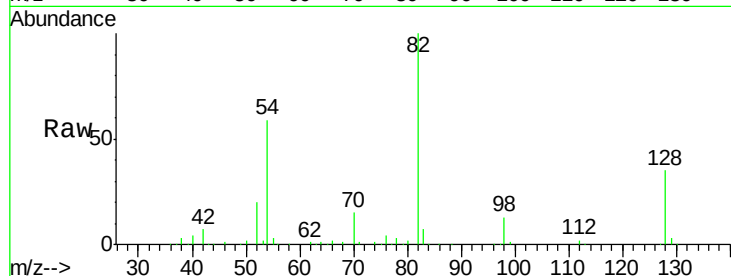
Tot Ion: 82 Resp: 253818

Ion Ratio Lower Upper

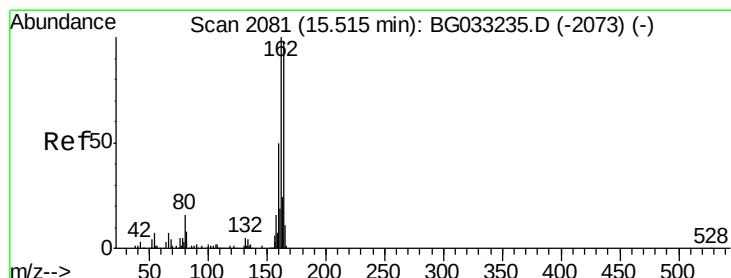
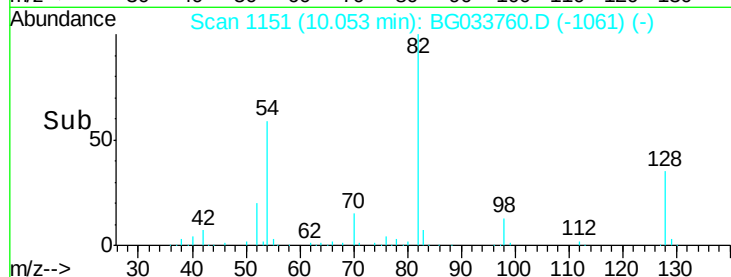
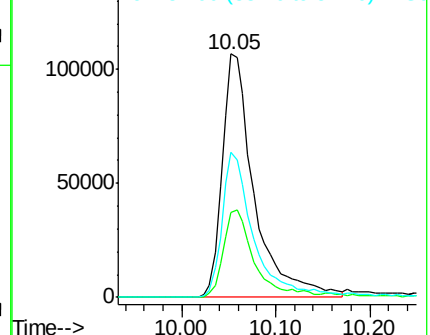
82 100

128 34.7 29.7 44.5

54 59.4 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# 2073

Delta R.T. -0.00 min

Lab File: BG033760.D

Acq: 12 Apr 2018 00:26

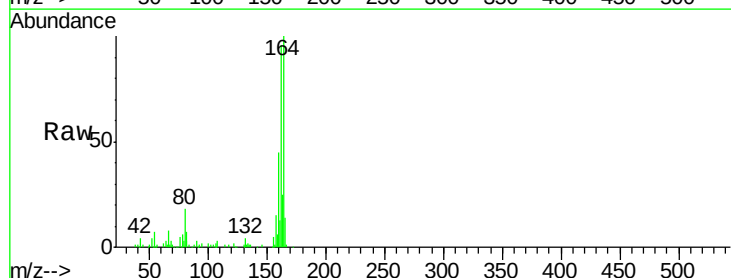
Tgt Ion:164 Resp: 90336

Ion Ratio Lower Upper

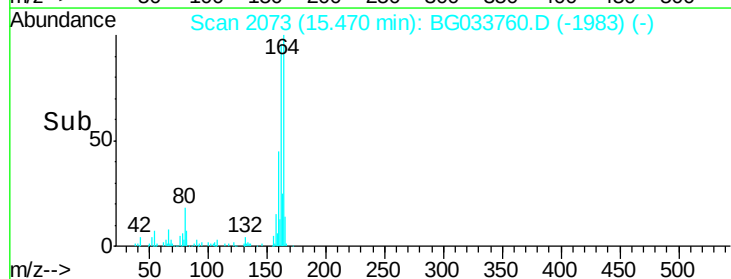
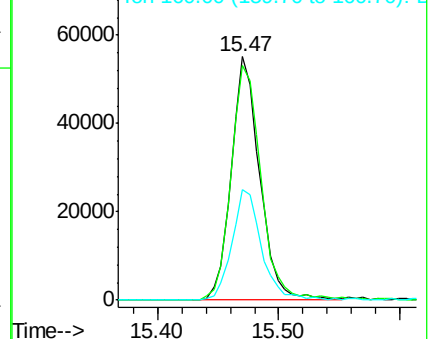
164 100

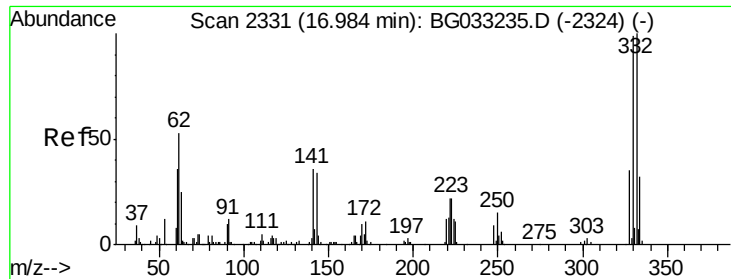
162 96.2 78.8 118.2

160 45.2 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

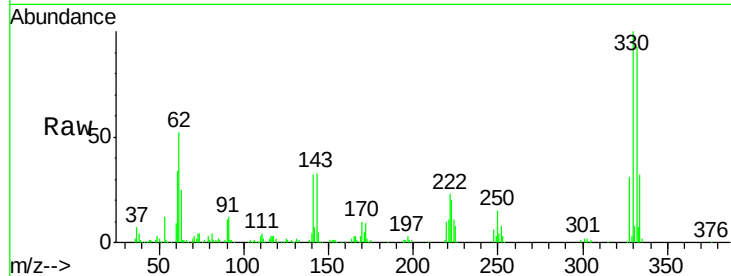




#41
 2,4,6-Tribromophenol
 Concen: 101.613 ng
 RT: 16.95 min Scan# 2325
 Delta R.T. 0.00 min
 Lab File: BG033760.D
 Acq: 12 Apr 2018 00:26

Instrument :
 BNA_G
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.5	77.0	115.6
141	35.7	25.2	37.8

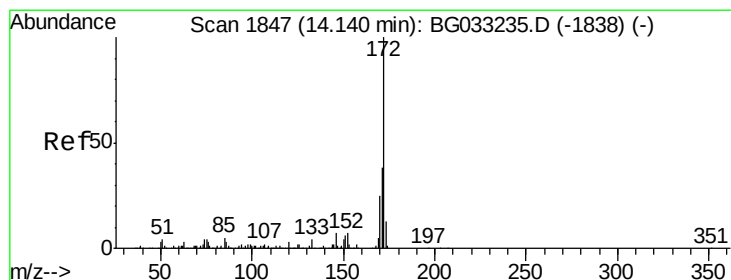
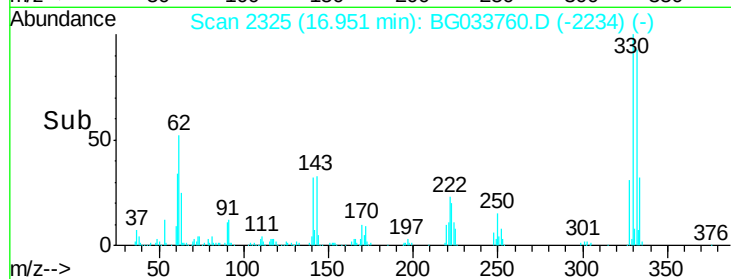
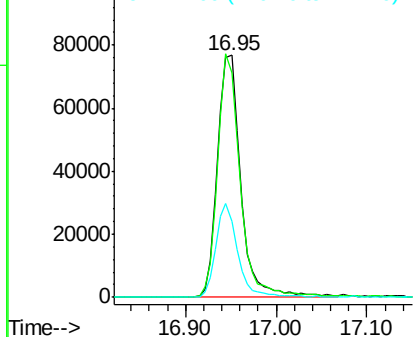


Abundance

Ion 329.80 (329.50 to 330.50): E

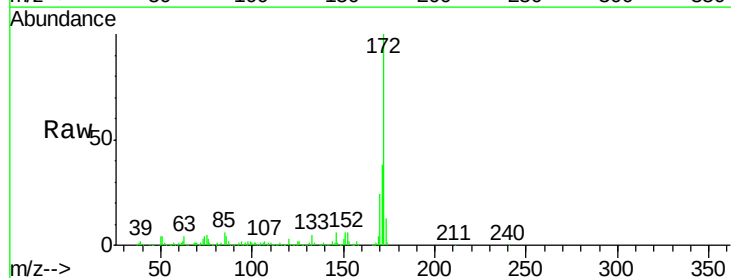
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#44
 2-Fluorobiphenyl
 Concen: 100.330 ng
 RT: 14.10 min Scan# 1840
 Delta R.T. -0.00 min
 Lab File: BG033760.D
 Acq: 12 Apr 2018 00:26

Tgt Ion	Ratio	Lower	Upper
172	100		
171	37.7	30.0	45.0
170	24.1	19.5	29.3

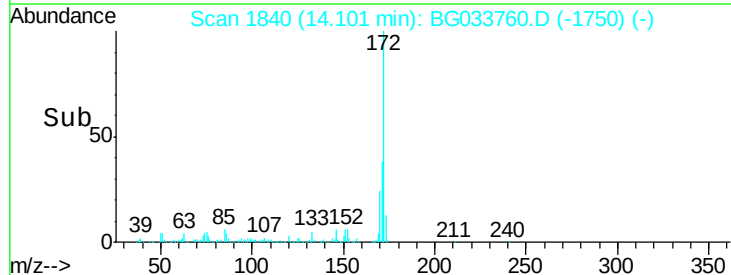
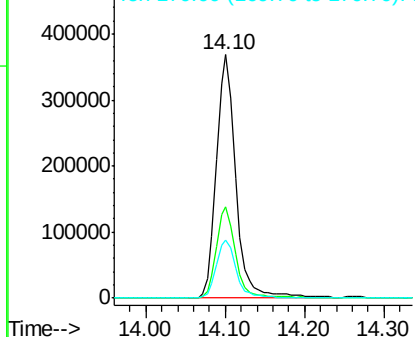


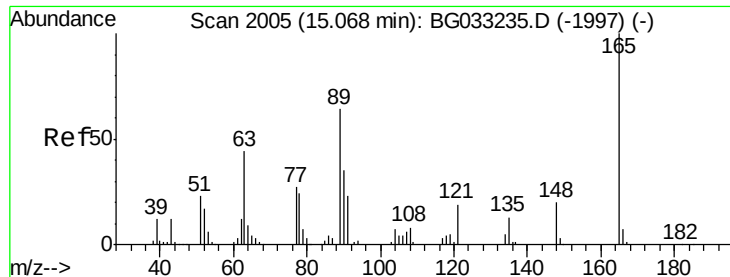
Abundance

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

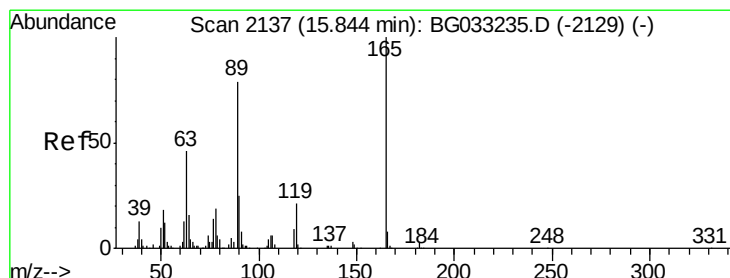
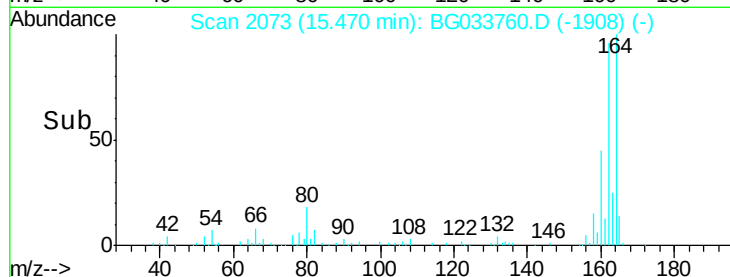
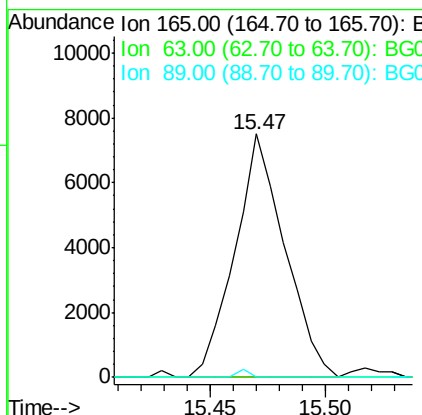
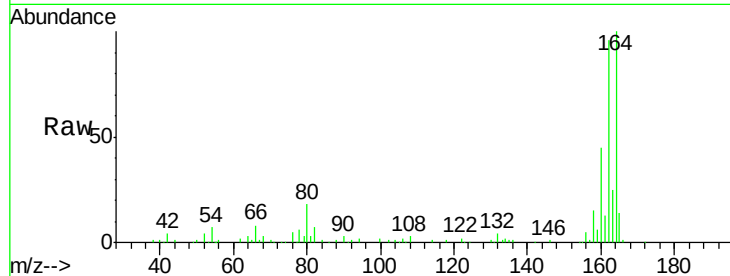




#50
 2,6-Dinitrotoluene
 Concen: 7.031 ng
 RT: 15.47 min Scan# 2073
 Delta R.T. 0.44 min
 Lab File: BG033760.D
 Acq: 12 Apr 2018 00:26

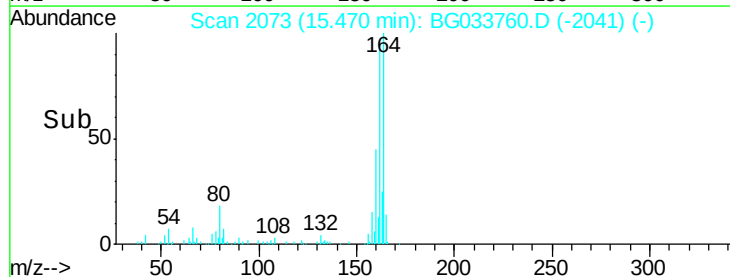
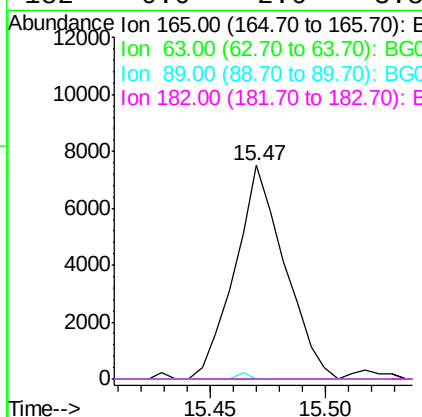
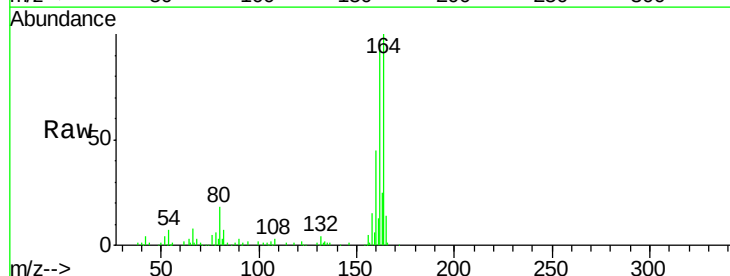
Instrument :
 BNA_G
 ClientSampleId :

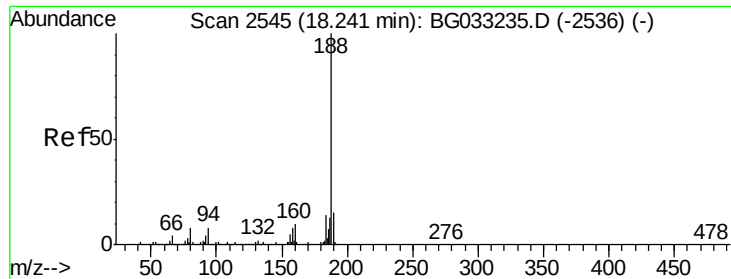
Tot Ion	Ratio	Lower	Upper
165	100		
63	0.0	52.7	79.1#
89	0.0	49.2	73.8#



#56
 2,4-Dinitrotoluene
 Concen: 4.776 ng
 RT: 15.47 min Scan# 2073
 Delta R.T. -0.34 min
 Lab File: BG033760.D
 Acq: 12 Apr 2018 00:26

Tgt 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#

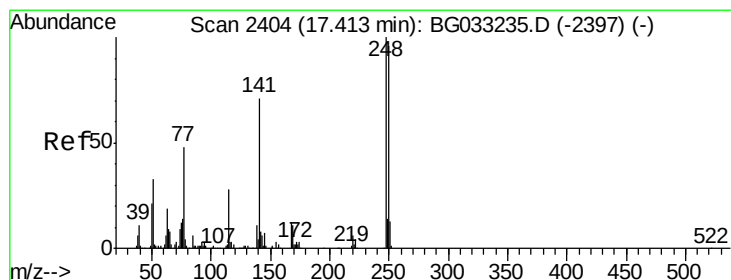
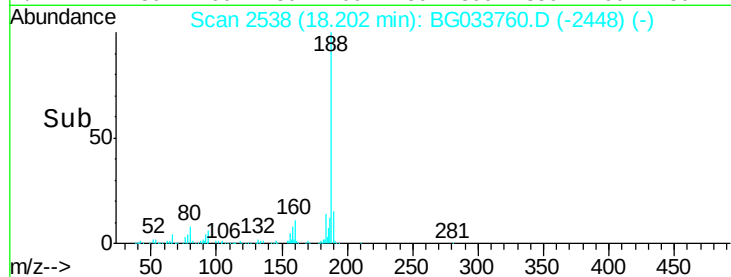
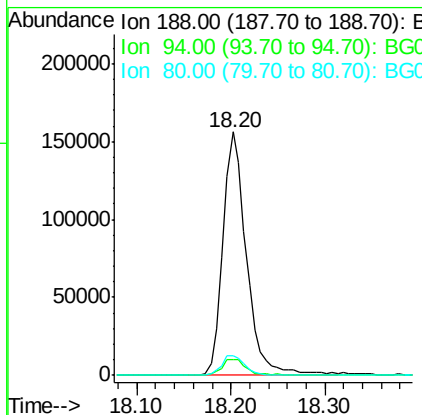
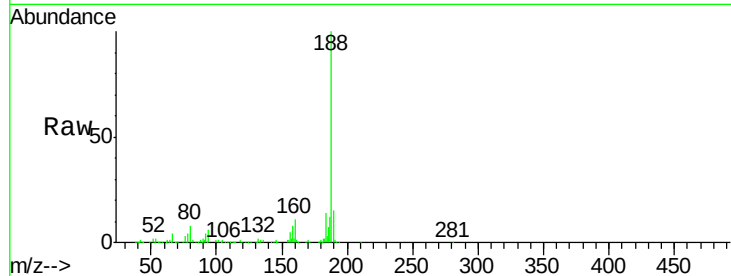




#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 18.20 min Scan# 2538
Delta R.T. -0.00 min
Lab File: BG033760.D
Acq: 12 Apr 2018 00:26

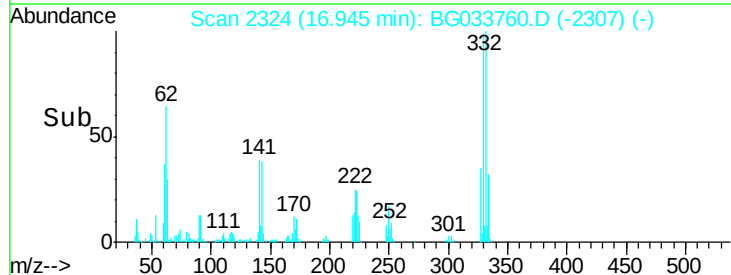
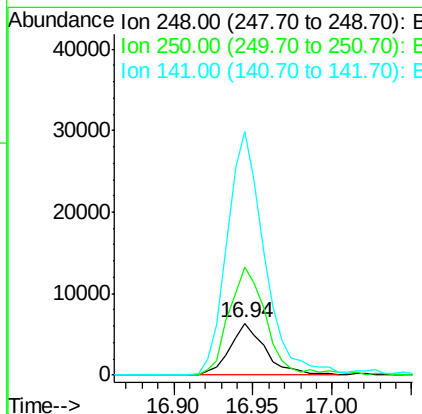
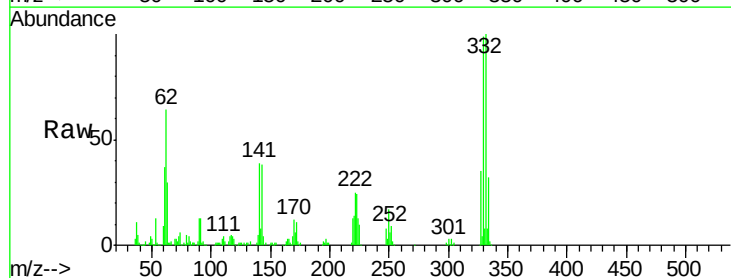
Instrument :
BNA_G
ClientSampleId :

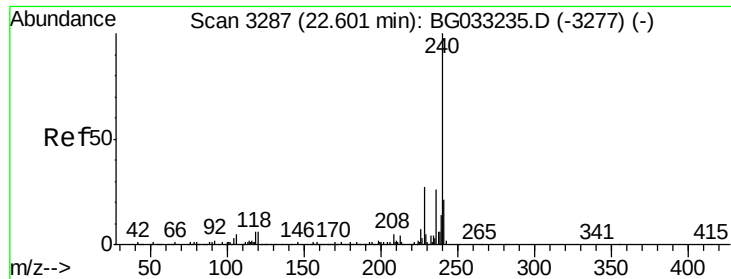
Tot Ion:188 Resp: 273127
Ion Ratio Lower Upper
188 100
94 6.4 6.9 10.3#
80 8.3 7.7 11.5



#66
4-Bromophenyl-phenylether
Concen: 3.135 ng
RT: 16.94 min Scan# 2324
Delta R.T. -0.43 min
Lab File: BG033760.D
Acq: 12 Apr 2018 00:26

Tgt Ion:248 Resp: 10056
Ion Ratio Lower Upper
248 100
250 205.8 77.1 115.7#
141 466.5 50.8 76.2#





#75

Chrysene-d12

Concen: 20.000 ng

RT: 22.55 min Scan# 3278

Delta R.T. -0.00 min

Lab File: BG033760.D

Acq: 12 Apr 2018 00:26

Instrument :

BNA_G

ClientSampleId :

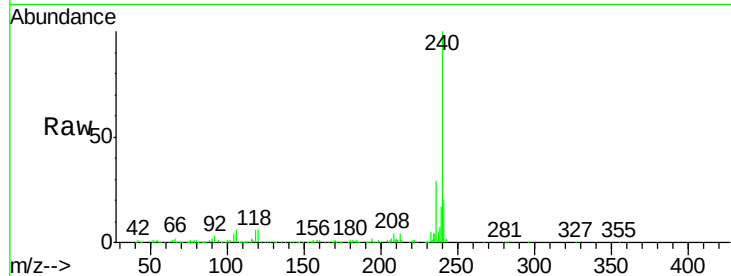
Tot Ion:240 Resp: 304829

Ion Ratio Lower Upper

240 100

120 6.4 6.8 10.2#

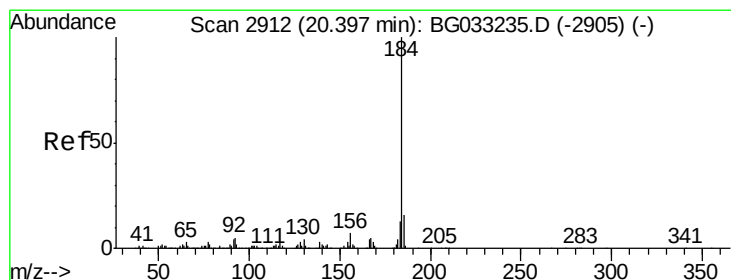
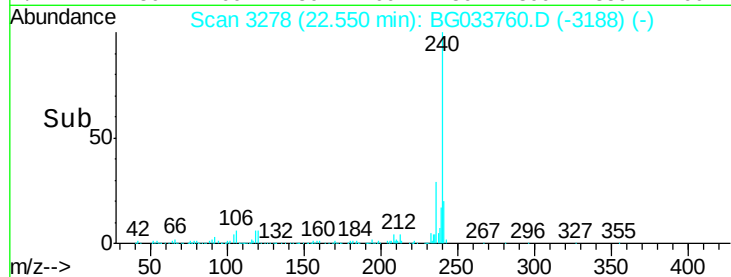
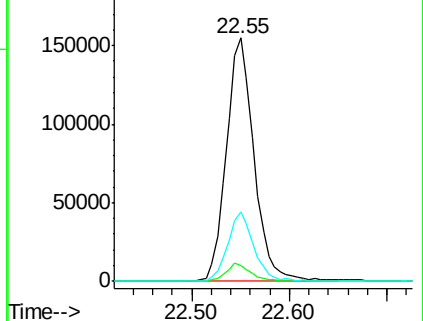
236 28.6 20.9 31.3



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: 2.932 ng

RT: 20.72 min Scan# 2967

Delta R.T. 0.36 min

Lab File: BG033760.D

Acq: 12 Apr 2018 00:26

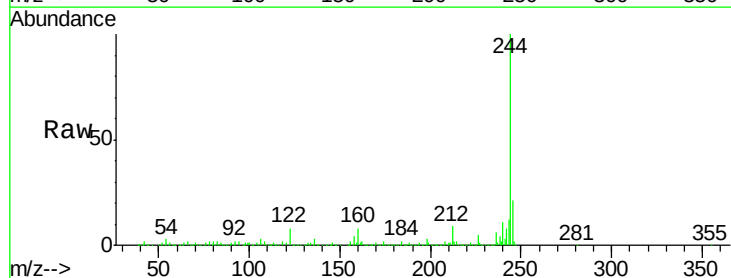
Tgt Ion:184 Resp: 24238

Ion Ratio Lower Upper

184 100

185 15.1 11.1 16.7

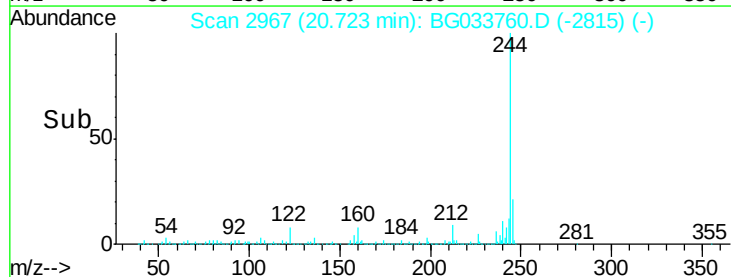
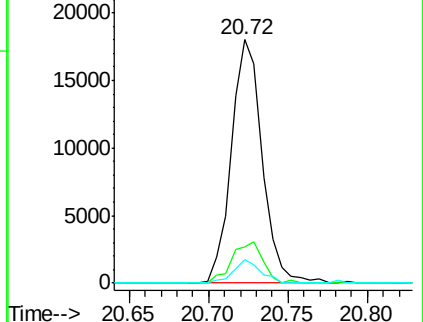
183 9.7 10.6 16.0#

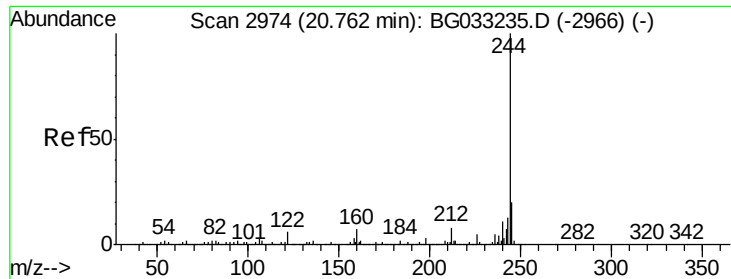


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#78

Terphenyl-d14

Concen: 100.976 ng

RT: 20.72 min Scan# 2967

Delta R.T. -0.00 min

Lab File: BG033760.D

Acq: 12 Apr 2018 00:26

Instrument :

BNA_G

ClientSampled :

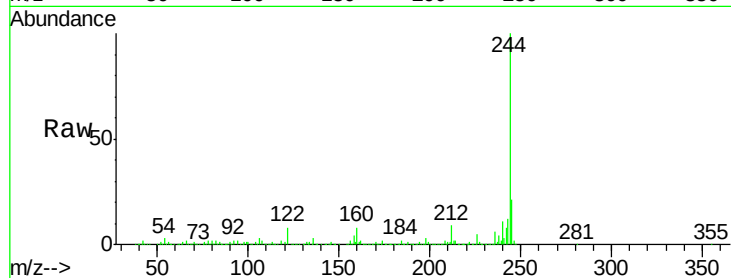
Tot Ion:244 Resp: 1439280

Ion Ratio Lower Upper

244 100

212 8.7 5.8 8.8

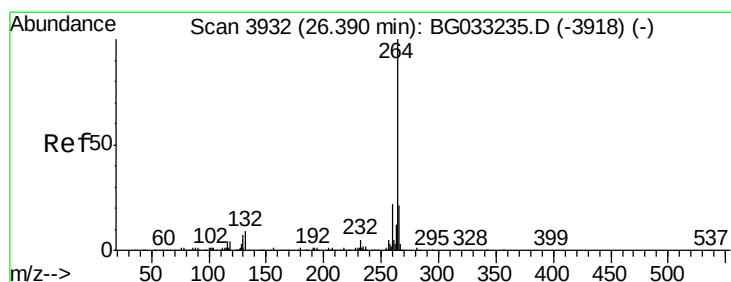
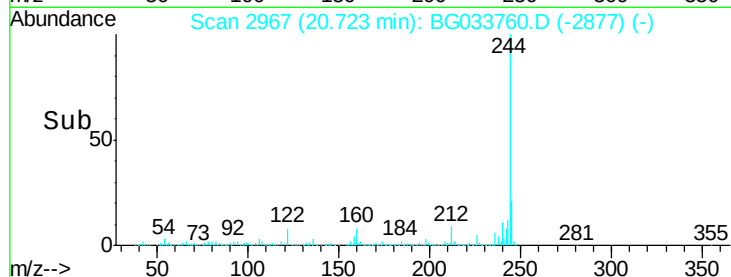
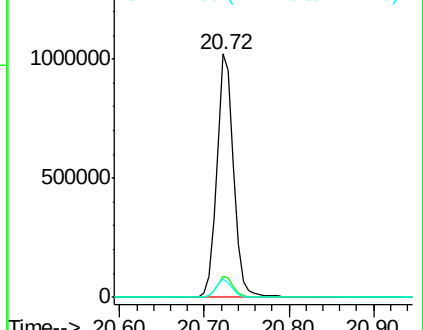
122 7.8 7.0 10.4



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. 0.00 min

Lab File: BG033760.D

Acq: 12 Apr 2018 00:26

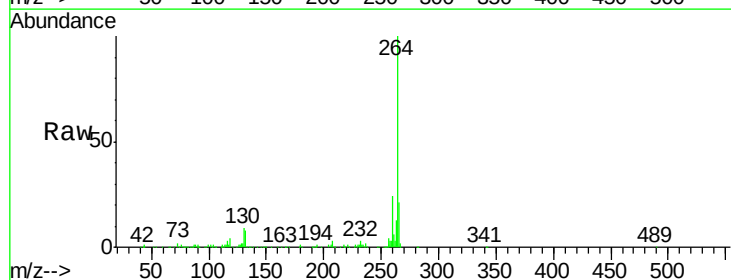
Tgt Ion:264 Resp: 322484

Ion Ratio Lower Upper

264 100

260 23.8 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

