

Data Path : Z:\HPCHEM1\BNA G\DATA\BG041118\
 Data File : BG033754.D
 Acq On : 11 Apr 2018 20:40
 Operator : SJ/JU
 Sample : J2320-04
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Apr 12 01:36:24 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

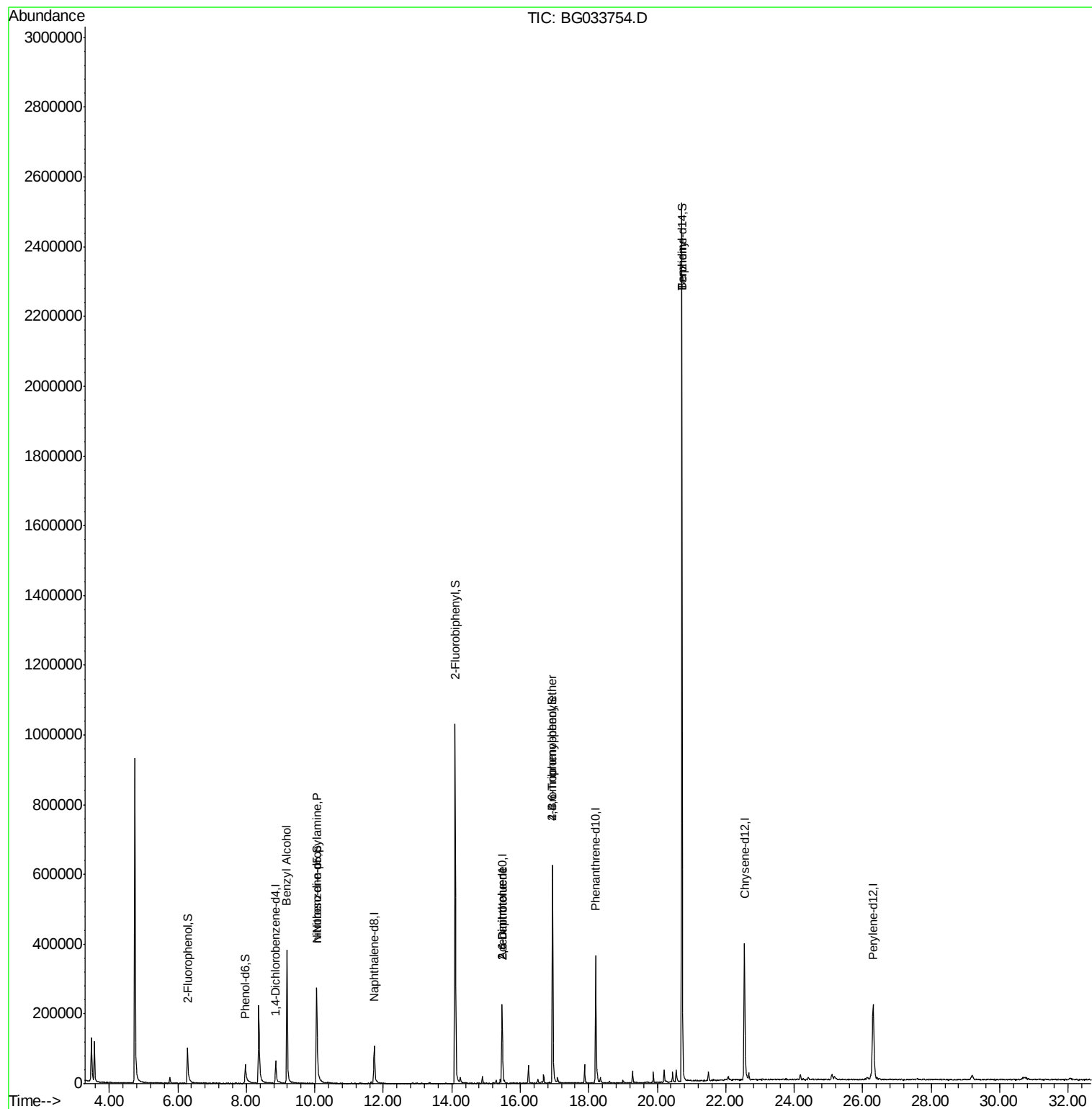
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.86	152	24562	20.00	ng	0.00
21) Naphthalene-d8	11.74	136	109106	20.00	ng	0.00
38) Acenaphthene-d10	15.47	164	88356	20.00	ng	0.00
63) Phenanthrene-d10	18.20	188	258448	20.00	ng	0.00
75) Chrysene-d12	22.55	240	282707	20.00	ng	0.00
86) Perylene-d12	26.30	264	291790	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	6.29	112	59045	45.08	ng	0.00
7) Phenol-d6	7.97	99	50800	22.57	ng	0.00
23) Nitrobenzene-d5	10.06	82	225671	95.03	ng	0.00
41) 2,4,6-Tribromophenol	16.95	330	124006	93.84	ng	0.00
44) 2-Fluorobiphenyl	14.10	172	575501	94.03	ng	0.00
78) Terphenyl-d14	20.72	244	1278653	96.73	ng	0.00
Target Compounds						
15) Benzyl Alcohol	9.18	79	4504	2.542	ng	# 54
19) n-Nitroso-di-n-propylamine	10.05	70	31839	19.306	ng	# 71
50) 2,6-Dinitrotoluene	15.47	165	10941	6.959	ng	# 23
56) 2,4-Dinitrotoluene	15.47	165	10941	4.726	ng	# 20
66) 4-Bromophenyl-phenylether	16.94	248	8965	2.954	ng	# 1
76) Benzidine	20.73	184	21622	2.820	ng	# 93

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

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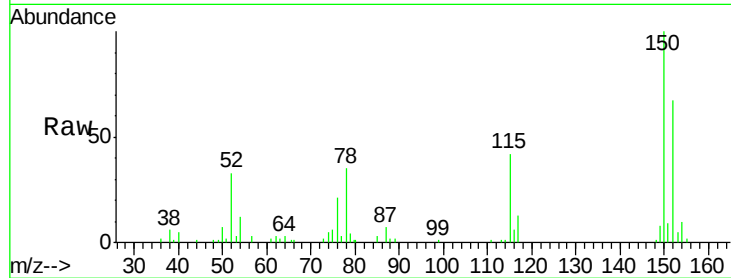


#1

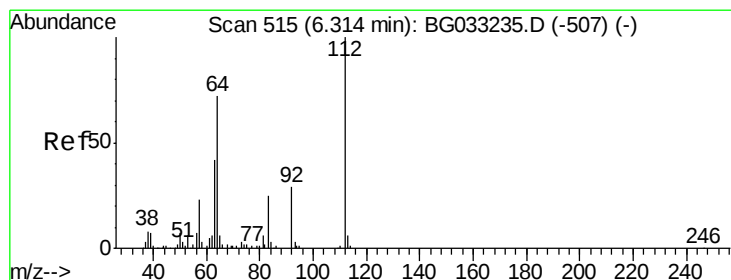
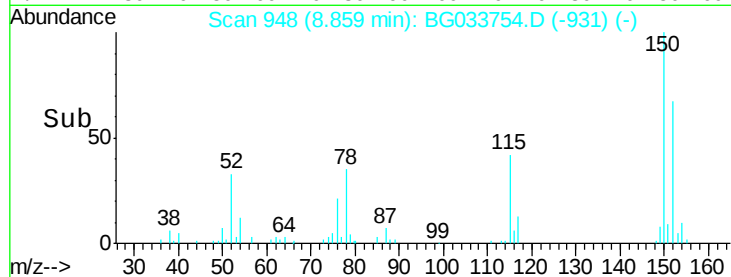
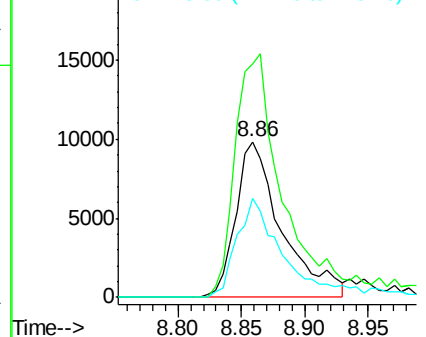
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.86 min Scan# 948
Delta R.T. 0.00 min
Lab File: BG033754.D
Acq: 11 Apr 2018 20:40

Instrument :
BNA_G
ClientSampleId :

Tot Ion:152 Resp: 24562
Ion Ratio Lower Upper
152 100
150 150.1 126.6 189.8
115 63.5 53.0 79.4



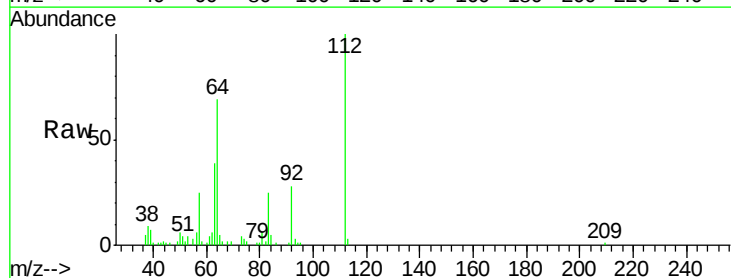
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



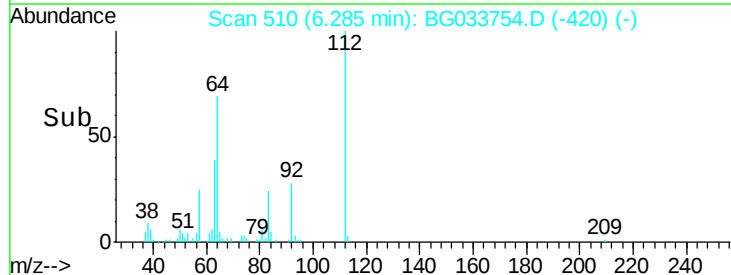
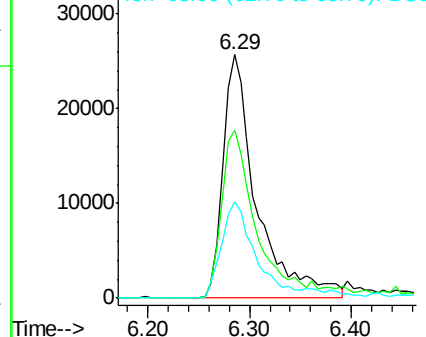
#5

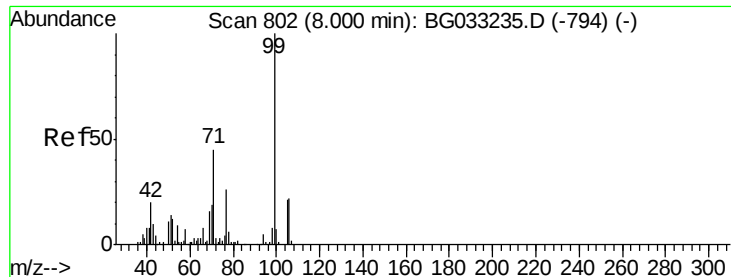
2-Fluorophenol
Concen: 45.076 ng
RT: 6.29 min Scan# 510
Delta R.T. 0.00 min
Lab File: BG033754.D
Acq: 11 Apr 2018 20:40

Tgt Ion:112 Resp: 59045
Ion Ratio Lower Upper
112 100
64 69.1 56.3 84.5
63 39.4 30.1 45.1



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BGC
Ion 63.00 (62.70 to 63.70): BGC





#7

Phenol-d6

Concen: 22.571 ng

RT: 7.97 min Scan# 797

Delta R.T. 0.00 min

Lab File: BG033754.D

Acq: 11 Apr 2018 20:40

Instrument :

BNA_G

ClientSampleId :

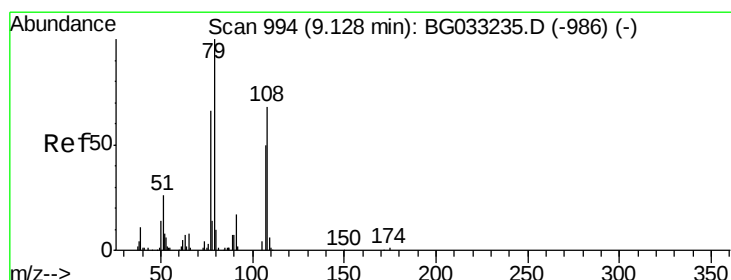
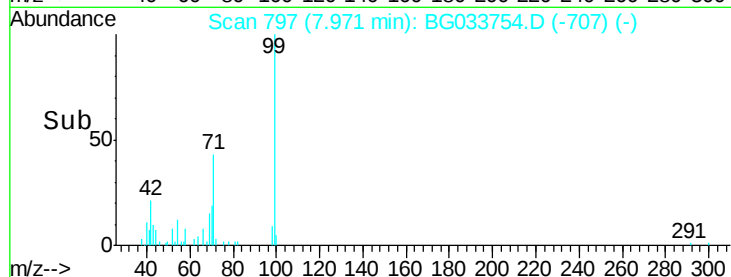
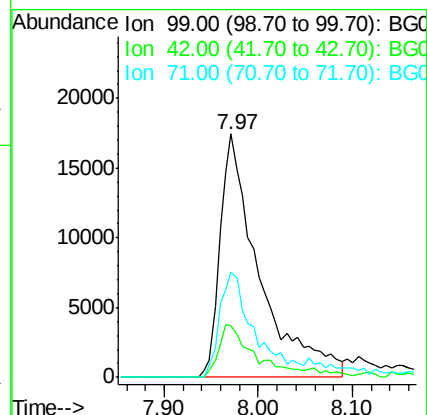
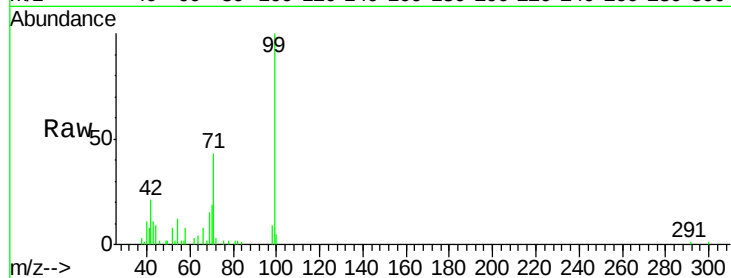
Tot Ion: 99 Resp: 50800

Ion Ratio Lower Upper

99 100

42 21.4 14.1 21.1#

71 43.2 26.1 39.1#



#15

Benzyl Alcohol

Concen: 2.542 ng

RT: 9.18 min Scan# 1003

Delta R.T. 0.09 min

Lab File: BG033754.D

Acq: 11 Apr 2018 20:40

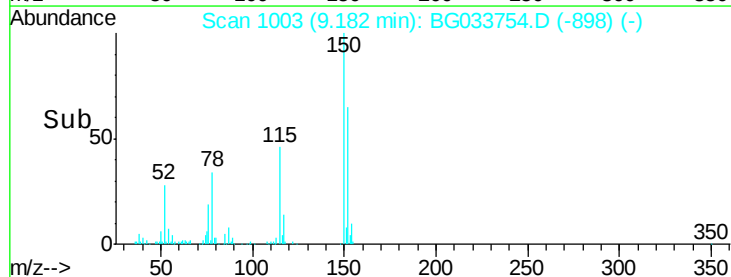
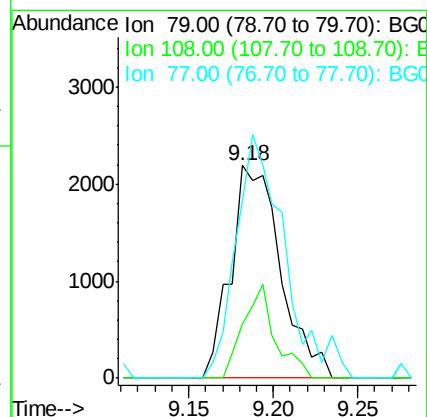
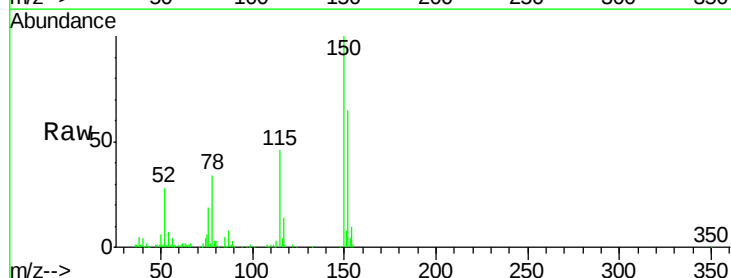
Tgt Ion: 79 Resp: 4504

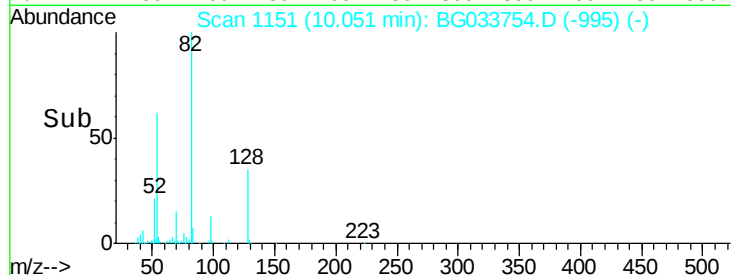
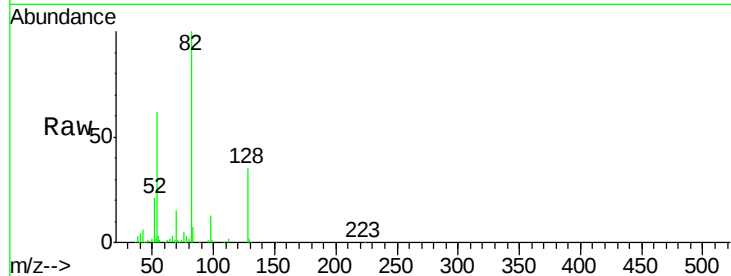
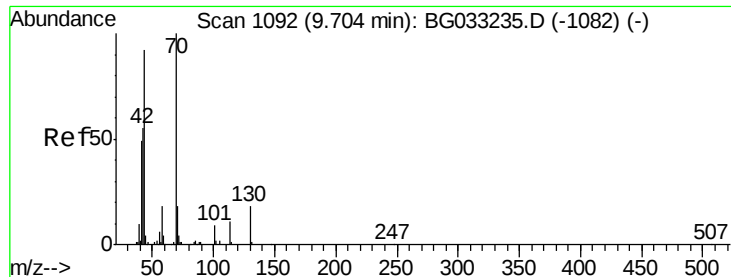
Ion Ratio Lower Upper

79 100

108 25.5 57.2 85.8#

77 83.6 46.1 69.1#

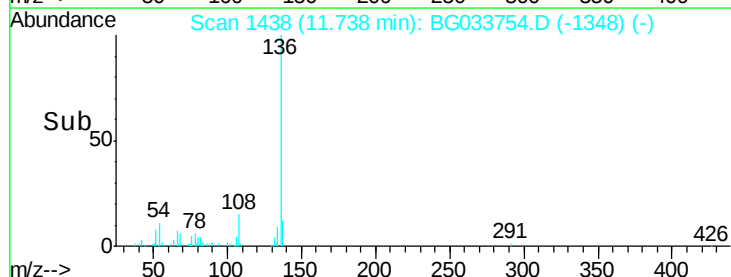
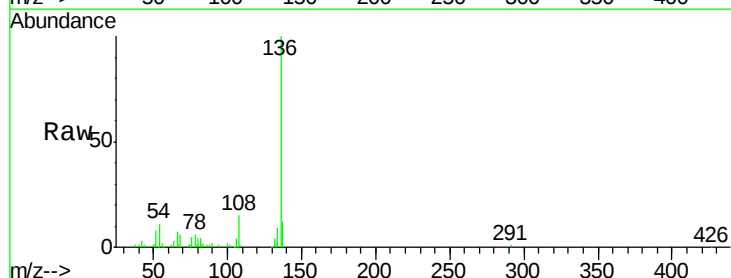
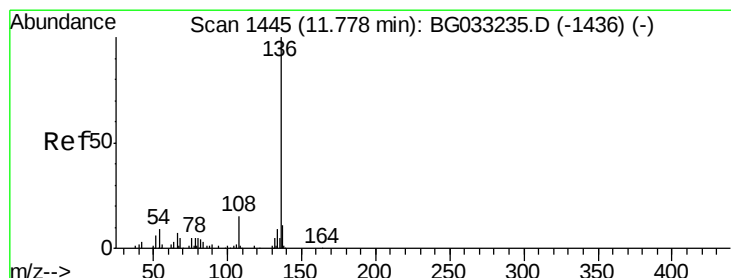
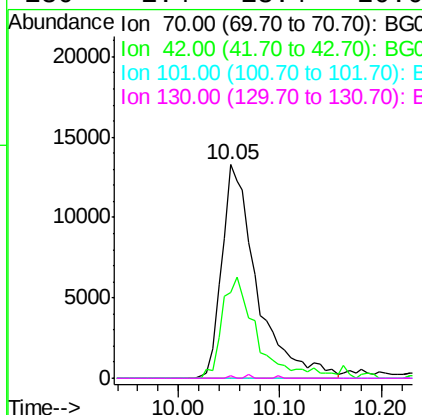




#19
n-Nitroso-di-n-propylamine
Concen: 19.306 ng
RT: 10.05 min Scan# 1151
Delta R.T. 0.39 min
Lab File: BG033754.D
Acq: 11 Apr 2018 20:40

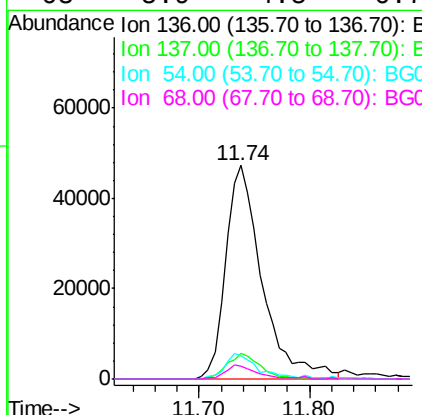
Instrument :
BNA_G
ClientSampleId :

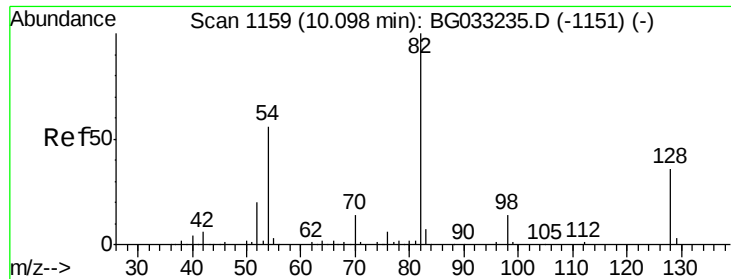
Tot Ion	Ion	Ratio	Lower	Upper
70	100			
42	40.3	49.1	73.7#	
101	0.0	8.5	12.7#	
130	1.4	13.4	20.0#	



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.74 min Scan# 1438
Delta R.T. 0.00 min
Lab File: BG033754.D
Acq: 11 Apr 2018 20:40

Tgt Ion	Ion	Ratio	Lower	Upper
136	100			
137	11.8	9.2	13.8	
54	11.0	10.3	15.5	
68	5.9	4.5	6.7	





#23

Nitrobenzene-d5

Concen: 95.029 ng

RT: 10.06 min Scan# 1152

Delta R.T. 0.00 min

Lab File: BG033754.D

Acq: 11 Apr 2018 20:40

Instrument :

BNA_G

ClientSampleId :

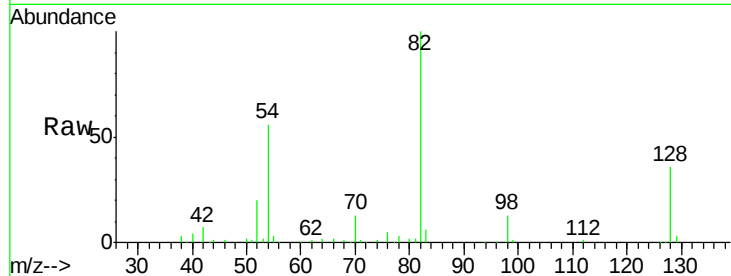
Tot Ion: 82 Resp: 225671

Ion Ratio Lower Upper

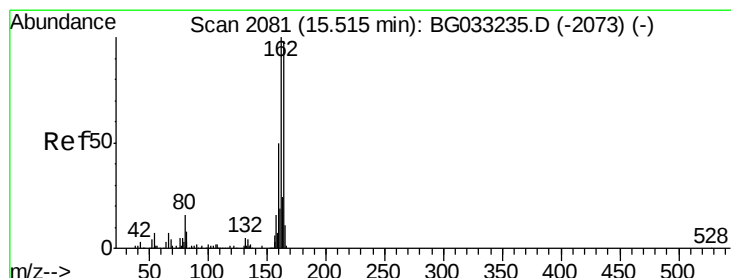
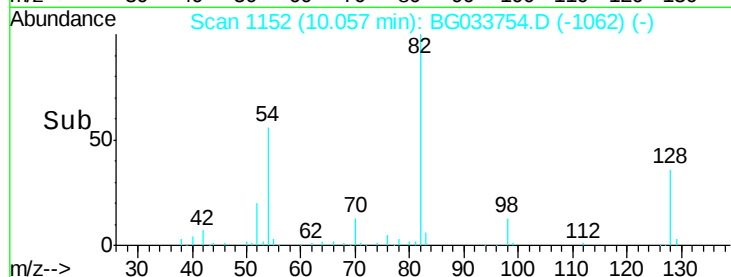
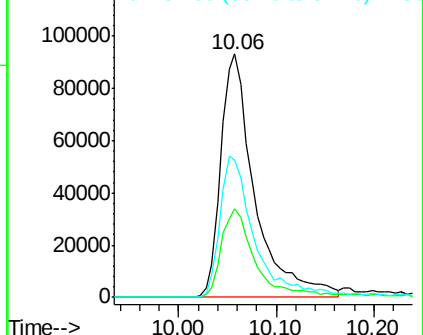
82 100

128 36.2 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# 2073

Delta R.T. -0.00 min

Lab File: BG033754.D

Acq: 11 Apr 2018 20:40

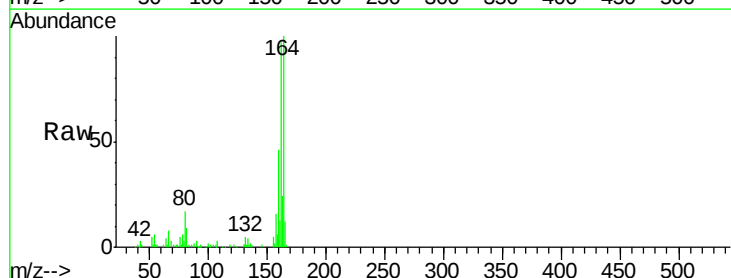
Tgt Ion: 164 Resp: 88356

Ion Ratio Lower Upper

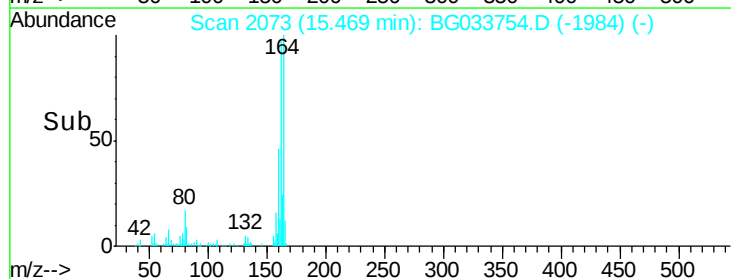
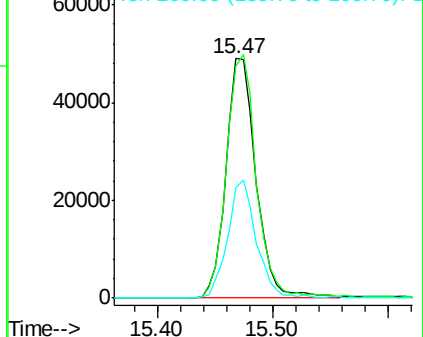
164 100

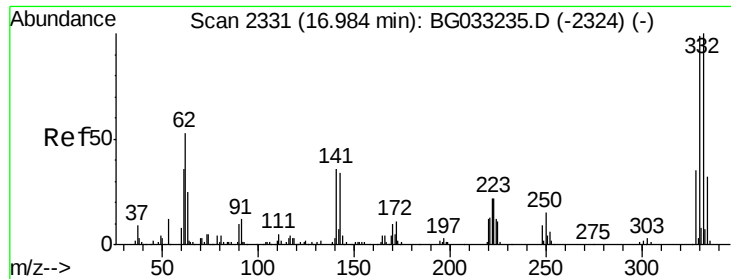
162 97.1 78.8 118.2

160 46.1 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

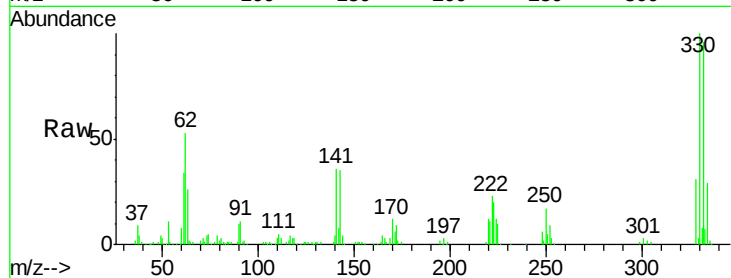




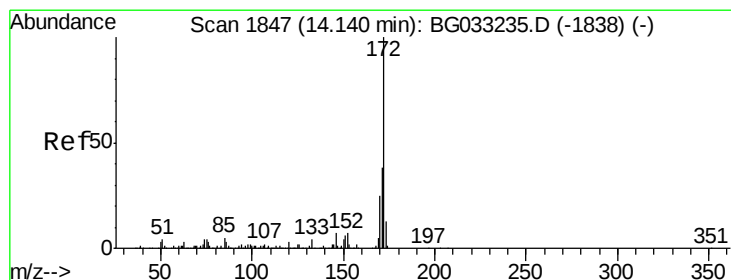
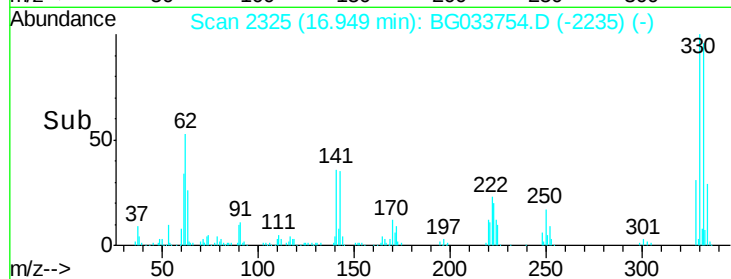
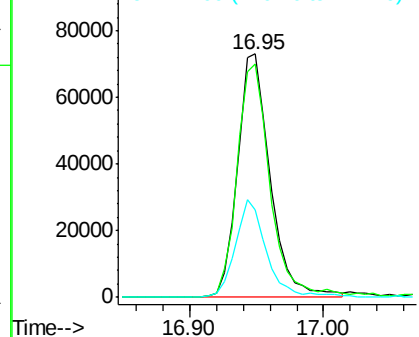
#41
 2,4,6-Tribromophenol
 Concen: 93.840 ng
 RT: 16.95 min Scan# 2325
 Delta R.T. 0.00 min
 Lab File: BG033754.D
 Acq: 11 Apr 2018 20:40

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	97.0	77.0	115.6
141	38.6	25.2	37.8#

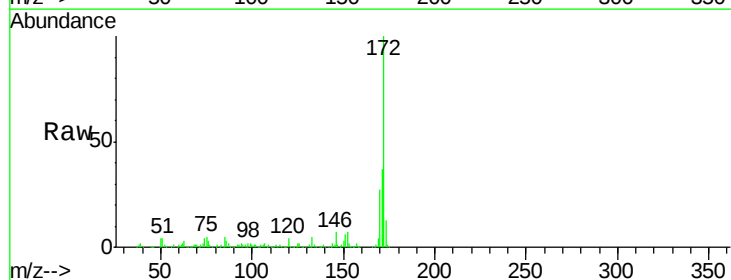


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

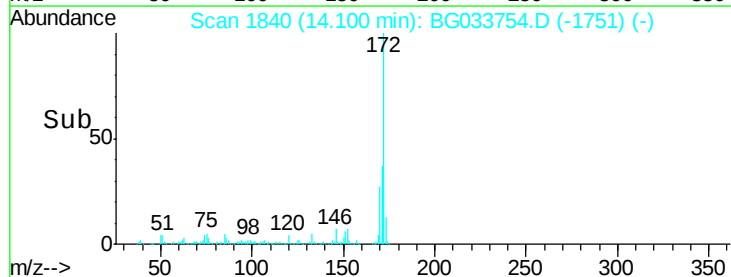
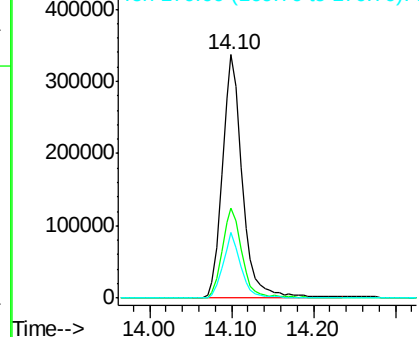


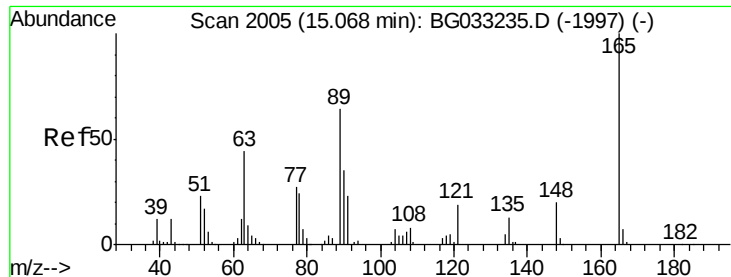
#44
 2-Fluorobiphenyl
 Concen: 94.030 ng
 RT: 14.10 min Scan# 1840
 Delta R.T. -0.00 min
 Lab File: BG033754.D
 Acq: 11 Apr 2018 20:40

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.9	30.0	45.0
170	27.0	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





#50

2,6-Dinitrotoluene

Concen: 6.959 ng

RT: 15.47 min Scan# 2074

Delta R.T. 0.44 min

Lab File: BG033754.D

Acq: 11 Apr 2018 20:40

Instrument :

BNA_G

ClientSampleId :

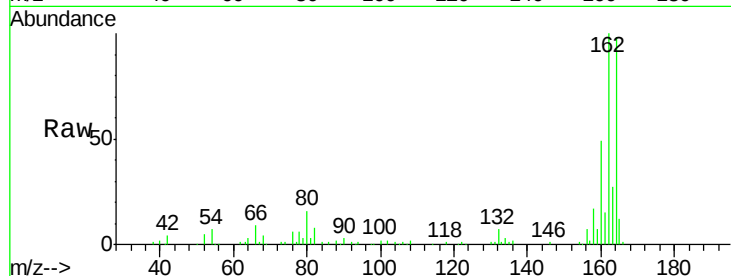
Tot Ion:165 Resp: 10941

Ion Ratio Lower Upper

165 100

63 4.4 52.7 79.1#

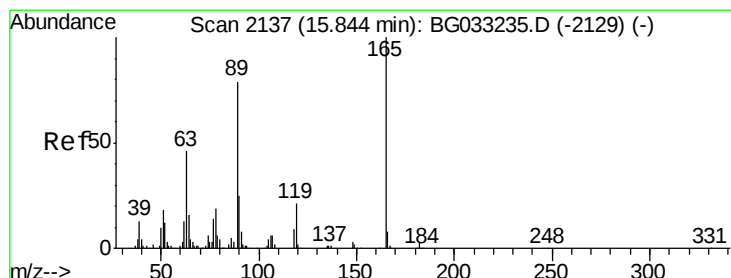
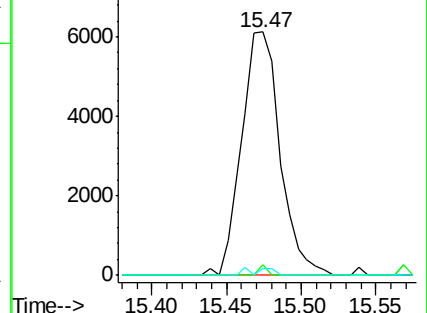
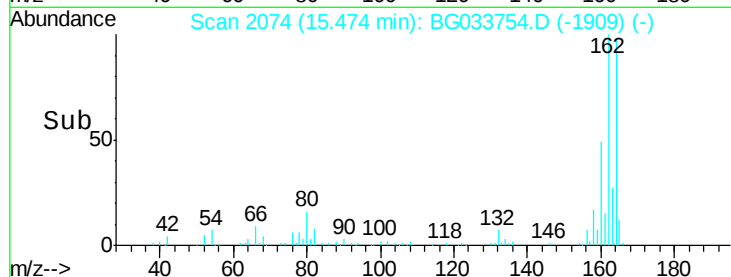
89 2.7 49.2 73.8#



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



#56

2,4-Dinitrotoluene

Concen: 4.726 ng

RT: 15.47 min Scan# 2074

Delta R.T. -0.34 min

Lab File: BG033754.D

Acq: 11 Apr 2018 20:40

Tgt Ion:165 Resp: 10941

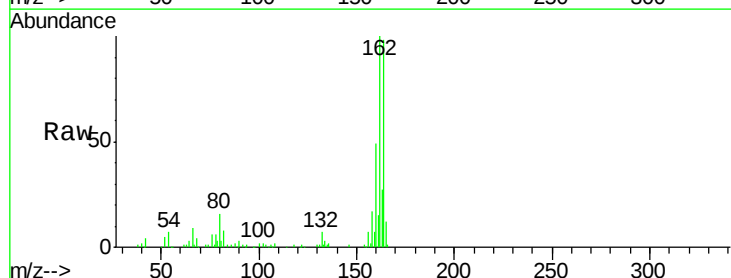
Ion Ratio Lower Upper

165 100

63 4.4 42.0 63.0#

89 2.7 66.9 100.3#

182 0.0 2.6 3.8#

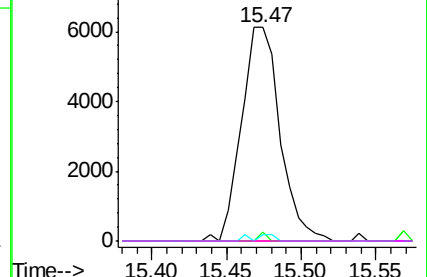
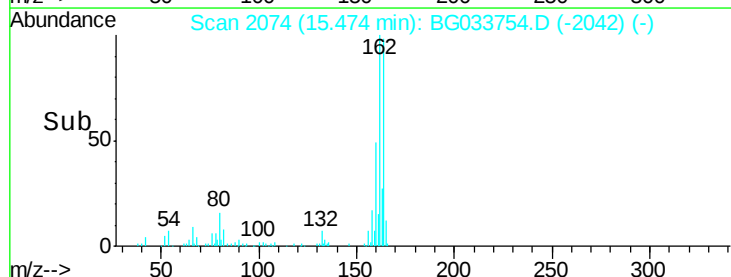


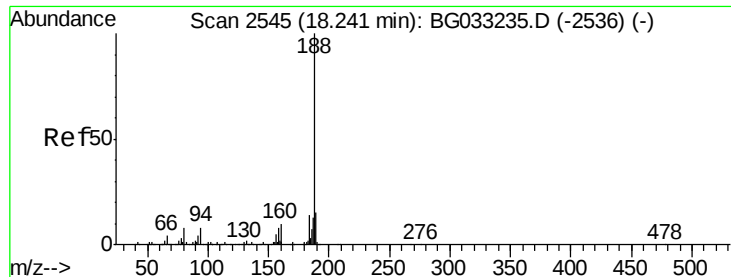
Abundance Ion 165.00 (164.70 to 165.70): E

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

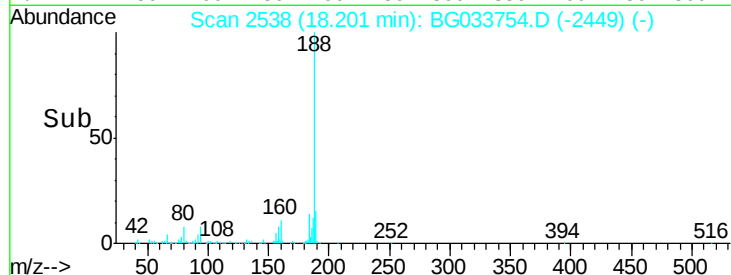
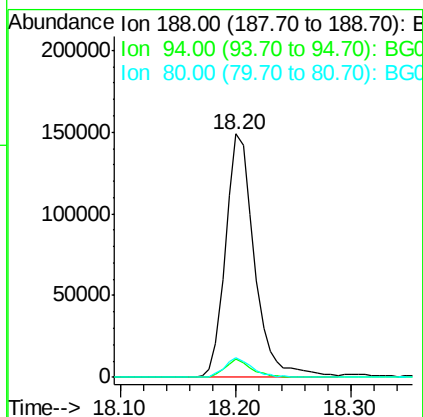
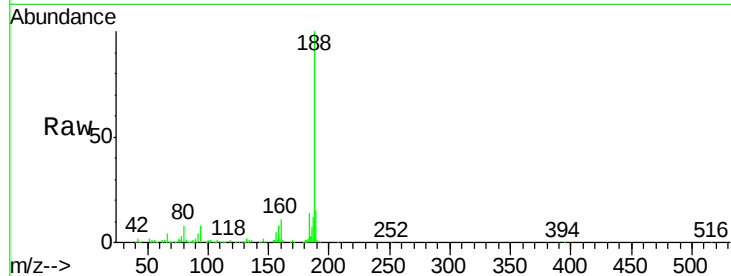




#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 18.20 min Scan# 2538
Delta R.T. -0.00 min
Lab File: BG033754.D
Acq: 11 Apr 2018 20:40

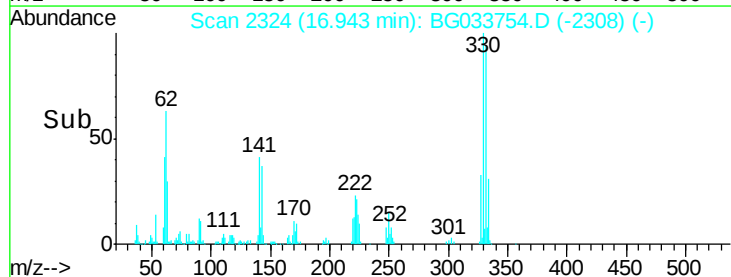
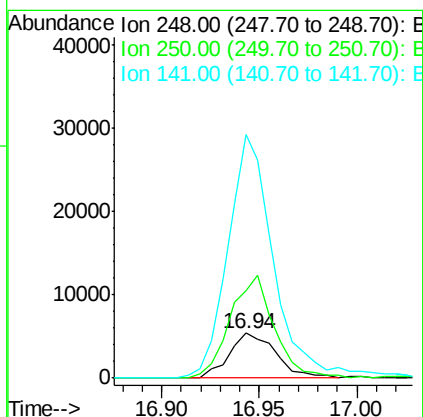
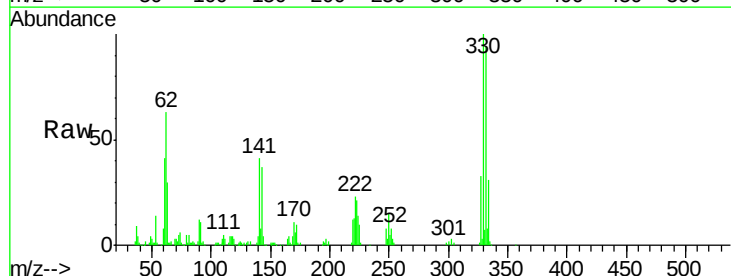
Instrument :
BNA_G
ClientSampleId :

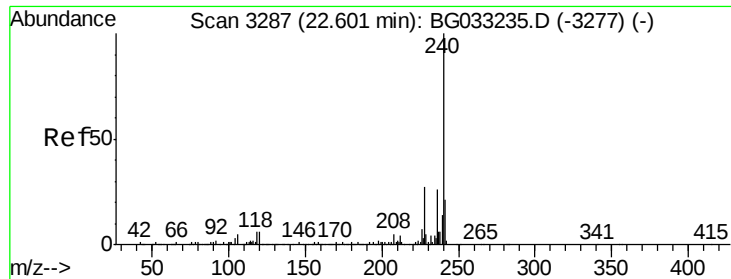
Tot Ion	Ratio	Lower	Upper
188	100		
94	7.7	6.9	10.3
80	8.3	7.7	11.5



#66
4-Bromophenyl-phenylether
Concen: 2.954 ng
RT: 16.94 min Scan# 2324
Delta R.T. -0.43 min
Lab File: BG033754.D
Acq: 11 Apr 2018 20:40

Tgt Ion	Ratio	Lower	Upper
248	100		
250	194.2	77.1	115.7#
141	539.9	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: BG033754.D

Acq: 11 Apr 2018 20:40

Instrument :

BNA_G

ClientSampleId :

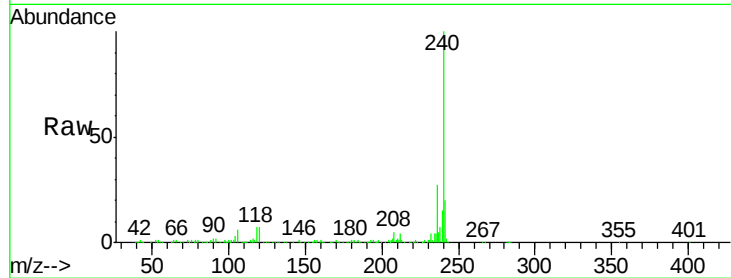
Tot Ion:240 Resp: 282707

Ion Ratio Lower Upper

240 100

120 6.6 6.8 10.2#

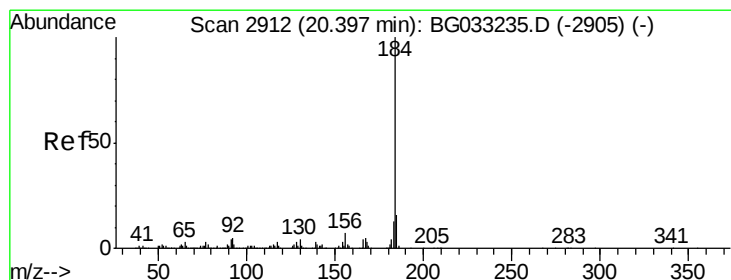
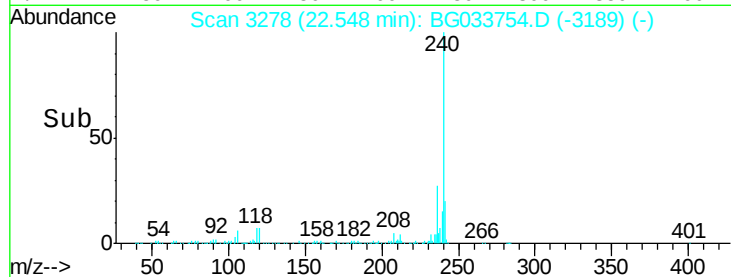
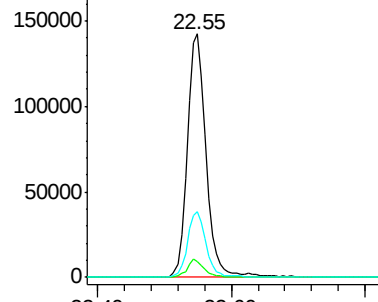
236 27.2 20.9 31.3



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: 2.820 ng

RT: 20.73 min Scan# 2968

Delta R.T. 0.37 min

Lab File: BG033754.D

Acq: 11 Apr 2018 20:40

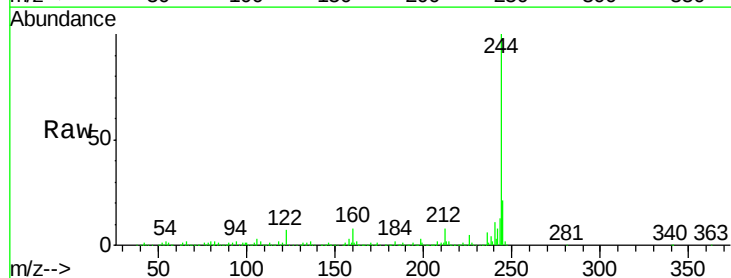
Tgt Ion:184 Resp: 21622

Ion Ratio Lower Upper

184 100

185 16.8 11.1 16.7#

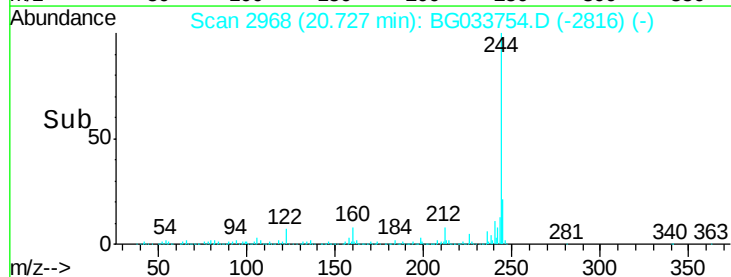
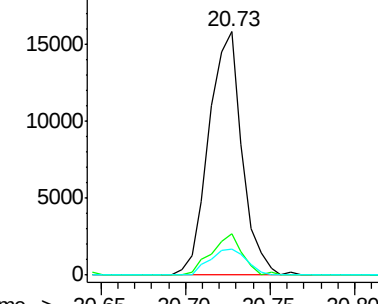
183 10.5 10.6 16.0#

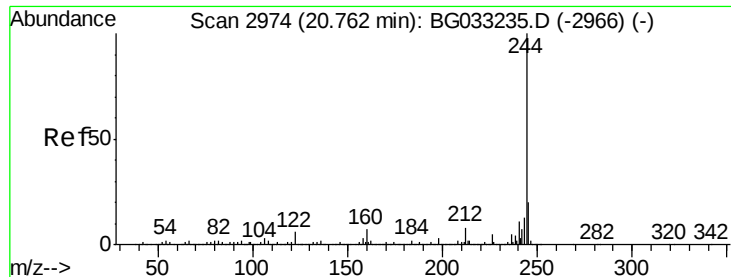


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#78

Terphenyl-d14

Concen: 96.727 ng

RT: 20.72 min Scan# 2967

Delta R.T. -0.00 min

Lab File: BG033754.D

Acq: 11 Apr 2018 20:40

Instrument :

BNA_G

ClientSampleId :

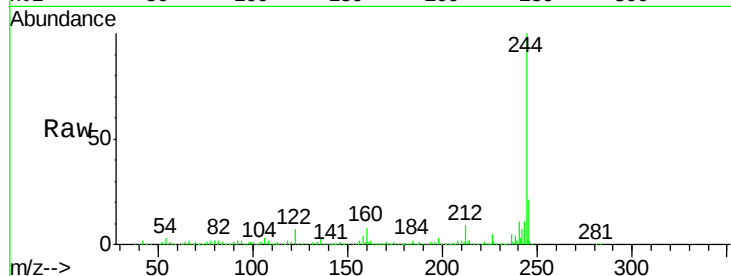
Tot Ion:244 Resp: 1278653

Ion Ratio Lower Upper

244 100

212 9.1 5.8 8.8#

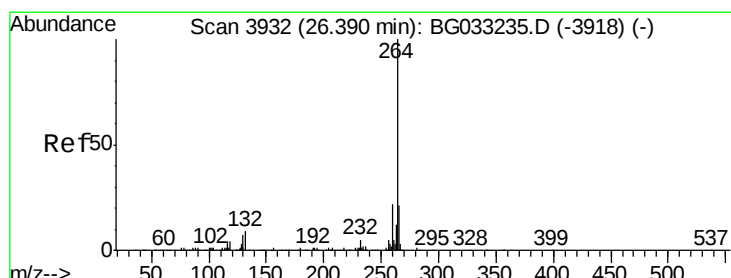
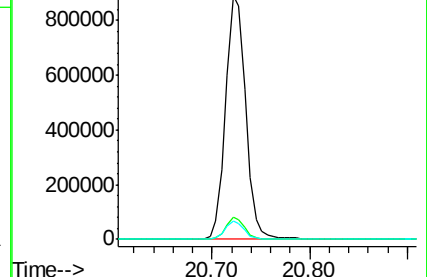
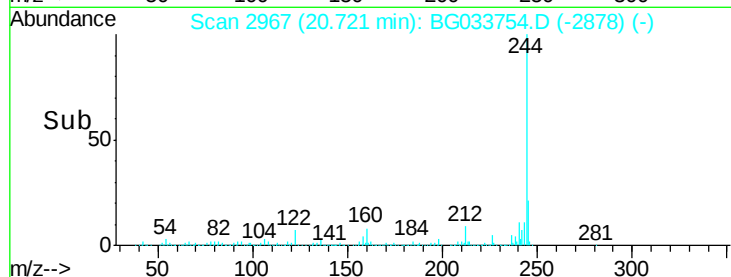
122 7.3 7.0 10.4



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# 3916

Delta R.T. -0.01 min

Lab File: BG033754.D

Acq: 11 Apr 2018 20:40

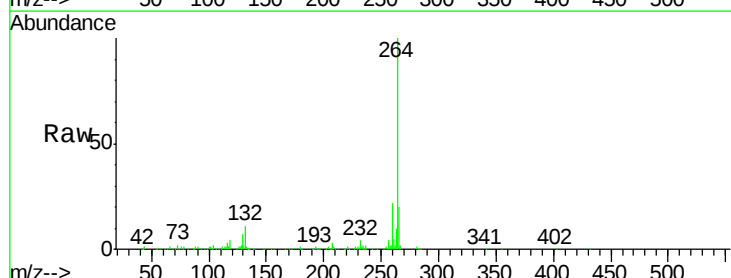
Tgt Ion:264 Resp: 291790

Ion Ratio Lower Upper

264 100

260 22.2 17.4 26.0

265 19.9 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

