

Data Path : Z:\HPCHEM1\BNA G\DATA\BG041018\
 Data File : BG033727.D
 Acq On : 10 Apr 2018 23:40
 Operator : SJ/JU
 Sample : PB108122BL
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Apr 11 03:20:40 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

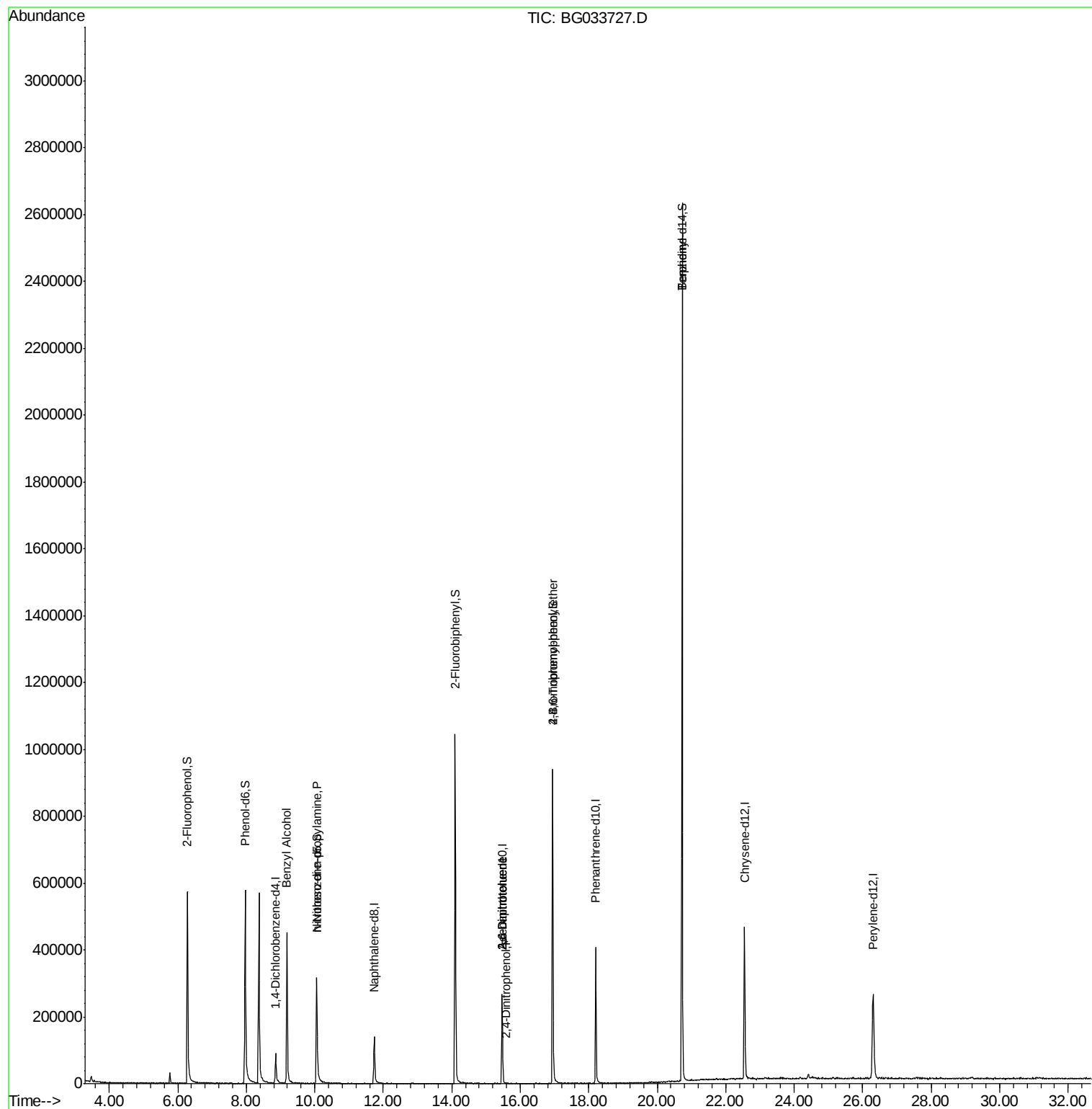
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.86	152	33325	20.00	ng	0.00
21) Naphthalene-d8	11.74	136	136978	20.00	ng	0.00
38) Acenaphthene-d10	15.47	164	98934	20.00	ng	0.00
63) Phenanthrene-d10	18.21	188	297923	20.00	ng	0.00
75) Chrysene-d12	22.55	240	330371	20.00	ng	0.00
86) Perylene-d12	26.30	264	358308	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	6.28	112	282836	159.15	ng	0.00
7) Phenol-d6	7.96	99	392152	128.42	ng	0.00
23) Nitrobenzene-d5	10.06	82	249141	83.56	ng	0.00
41) 2,4,6-Tribromophenol	16.95	330	188734	127.55	ng	0.00
44) 2-Fluorobiphenyl	14.10	172	592199	86.41	ng	0.00
78) Terphenyl-d14	20.73	244	1347615	87.24	ng	0.00
Target Compounds						
15) Benzyl Alcohol	9.19	79	4946	2.057	ng	# 41
19) n-Nitroso-di-n-propylamine	10.06	70	33296	14.880	ng	# 75
50) 2,6-Dinitrotoluene	15.47	165	11857	6.735	ng	# 20
53) 2,4-Dinitrophenol	15.59	184	54	7.696	ng	# 1
56) 2,4-Dinitrotoluene	15.47	165	11857	4.574	ng	# 18
66) 4-Bromophenyl-phenylether	16.94	248	15555	4.446	ng	# 1
76) Benzidine	20.73	184	23140	2.583	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: BG033727.D

Acq: 10 Apr 2018 23:40

Instrument :

BNA_G

ClientSampled :

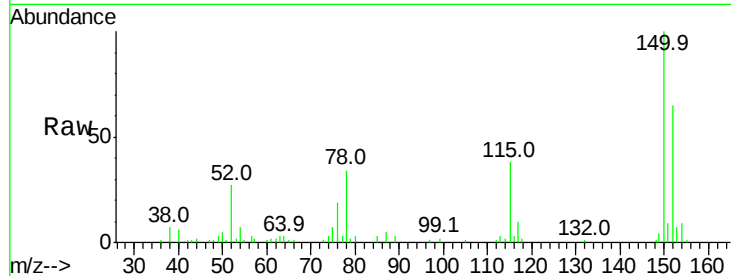
Tot Ion:152 Resp: 33325

Ion Ratio Lower Upper

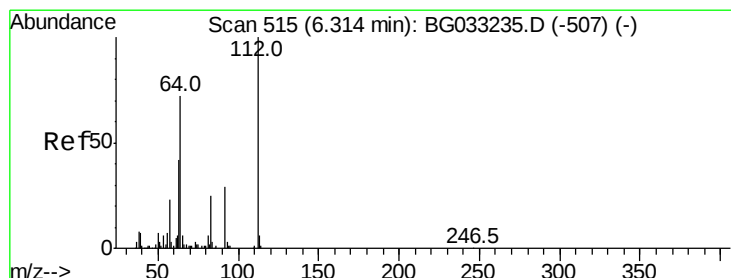
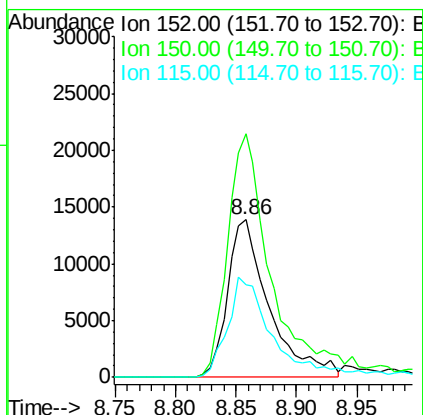
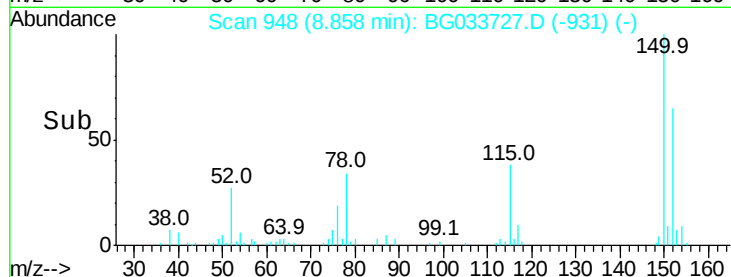
152 100

150 154.6 126.6 189.8

115 59.0 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: 159.145 ng

RT: 6.28 min Scan# 510

Delta R.T. 0.00 min

Lab File: BG033727.D

Acq: 10 Apr 2018 23:40

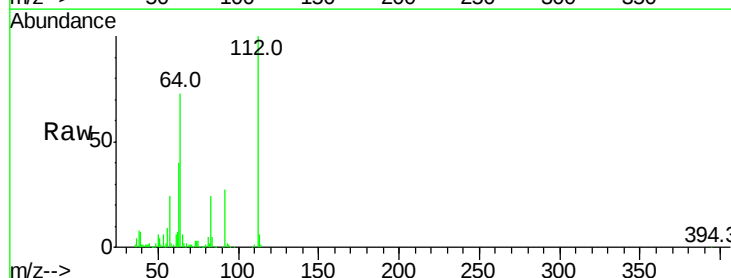
Tgt Ion:112 Resp: 282836

Ion Ratio Lower Upper

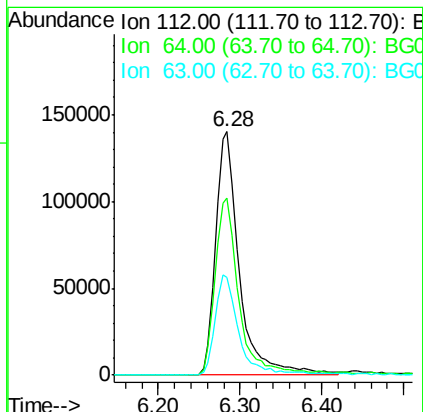
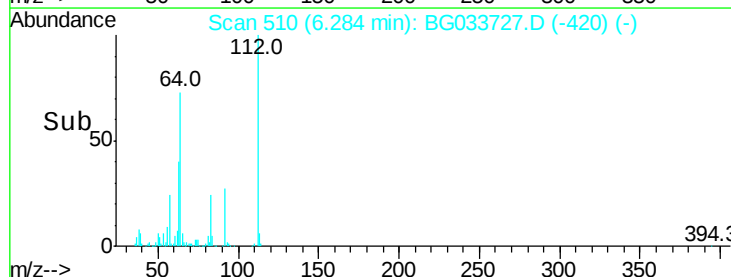
112 100

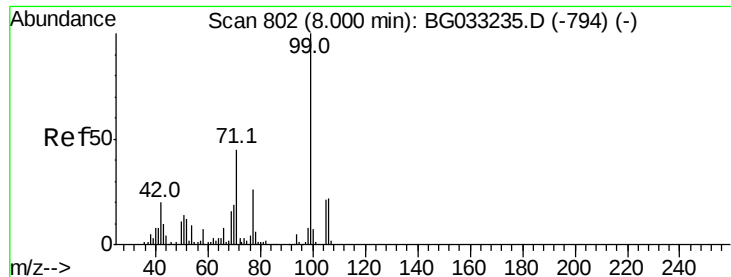
64 72.7 56.3 84.5

63 39.9 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: 128.422 ng

RT: 7.96 min Scan# 796

Delta R.T. -0.01 min

Lab File: BG033727.D

Acq: 10 Apr 2018 23:40

Instrument :

BNA_G

ClientSampled :

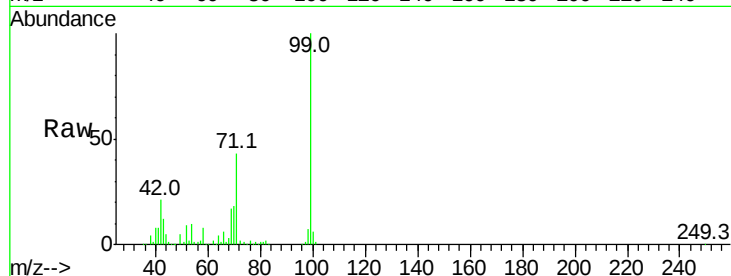
Tot Ion: 99 Resp: 392152

Ion Ratio Lower Upper

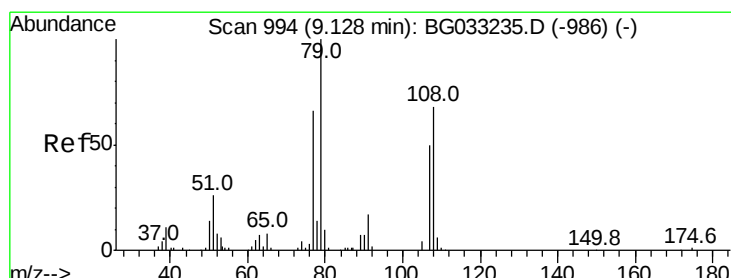
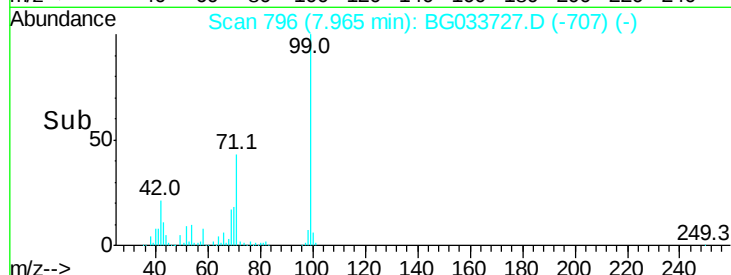
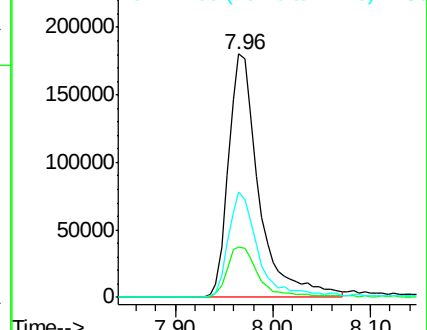
99 100

42 20.9 14.1 21.1

71 43.4 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: 2.057 ng

RT: 9.19 min Scan# 1005

Delta R.T. 0.10 min

Lab File: BG033727.D

Acq: 10 Apr 2018 23:40

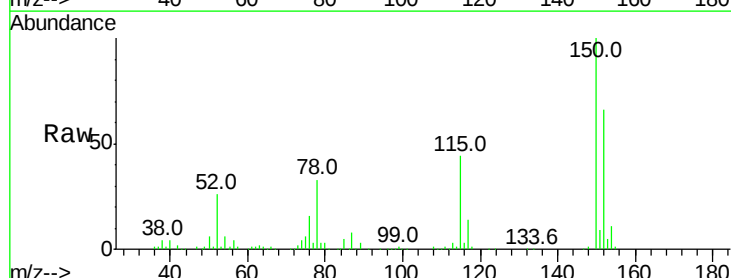
Tgt Ion: 79 Resp: 4946

Ion Ratio Lower Upper

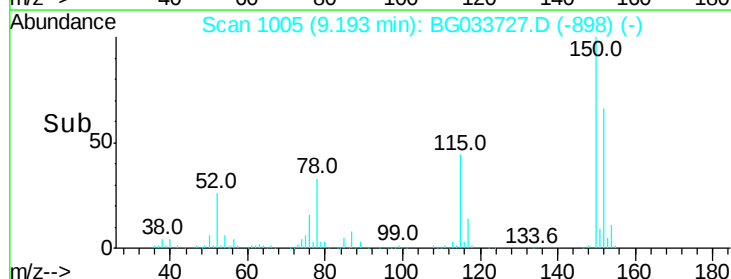
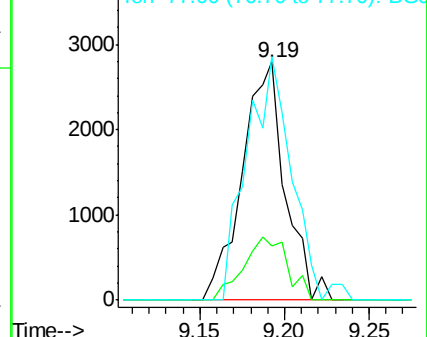
79 100

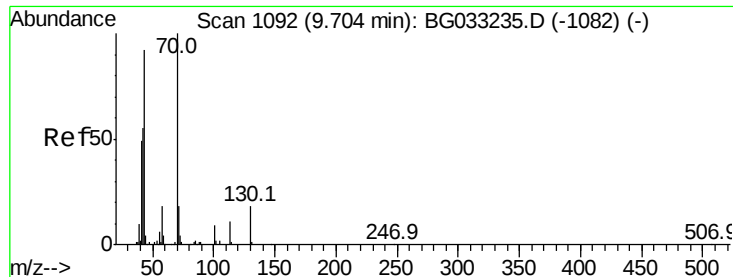
108 23.0 57.2 85.8#

77 102.3 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

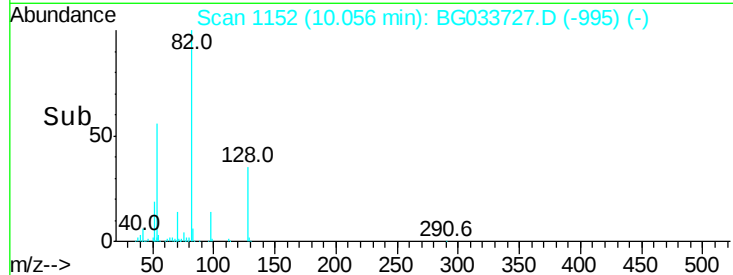
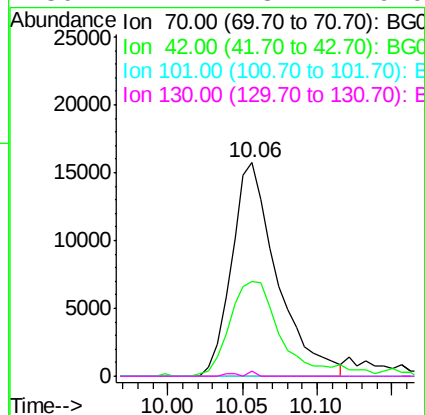
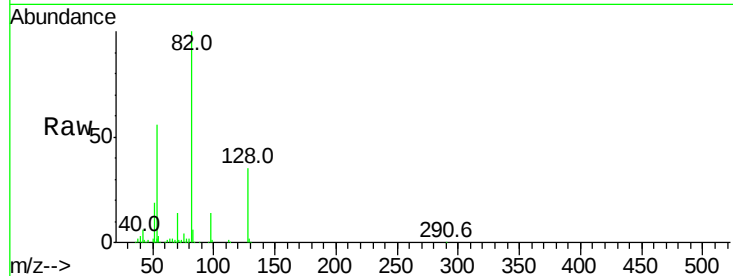




#19
n-Nitroso-di-n-propylamine
Concen: 14.880 ng
RT: 10.06 min Scan# 1152
Delta R.T. 0.39 min
Lab File: BG033727.D
Acq: 10 Apr 2018 23:40

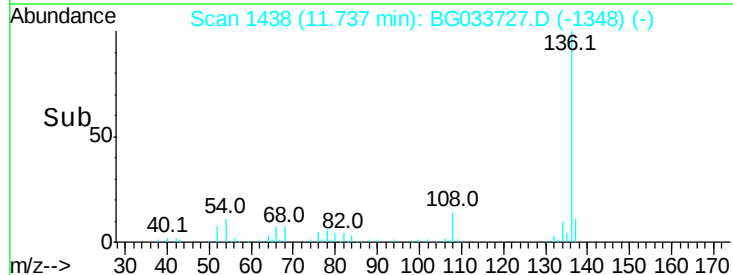
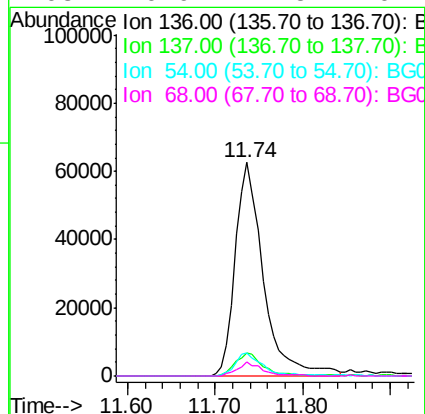
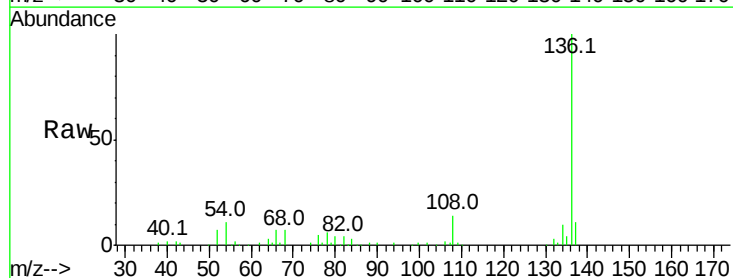
Instrument :
BNA_G
ClientSampleId :

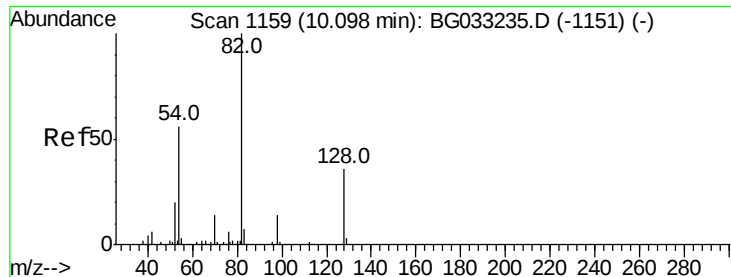
Tot Ion:	70	Resp:	33296
Ion	Ratio	Lower	Upper
70	100		
42	44.4	49.1	73.7#
101	0.0	8.5	12.7#
130	2.2	13.4	20.0#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.74 min Scan# 1438
Delta R.T. 0.00 min
Lab File: BG033727.D
Acq: 10 Apr 2018 23:40

Tgt Ion:	136	Resp:	136978
Ion	Ratio	Lower	Upper
136	100		
137	11.0	9.2	13.8
54	10.8	10.3	15.5
68	6.9	4.5	6.7#





#23

Nitrobenzene-d5

Concen: 83.565 ng

RT: 10.06 min Scan# 1152

Delta R.T. 0.00 min

Lab File: BG033727.D

Acq: 10 Apr 2018 23:40

Instrument :

BNA_G

ClientSampled :

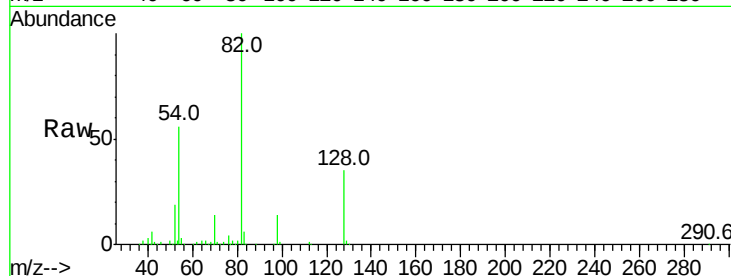
Tot Ion: 82 Resp: 249141

Ion Ratio Lower Upper

82 100

128 35.4 29.7 44.5

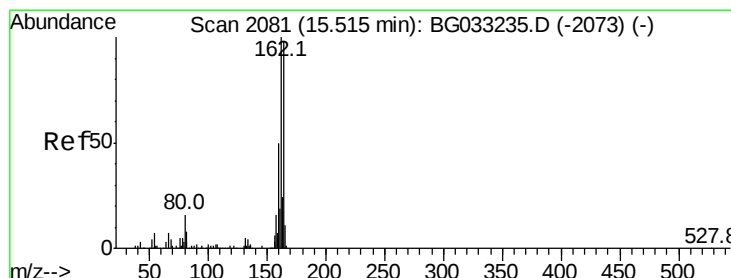
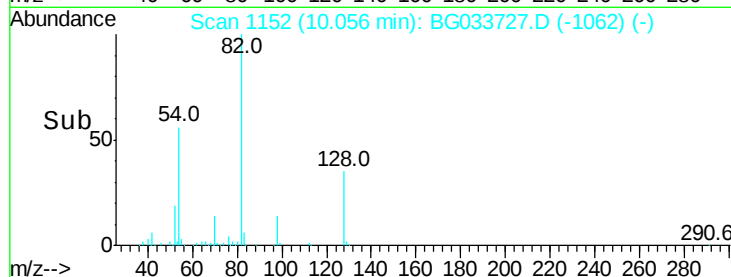
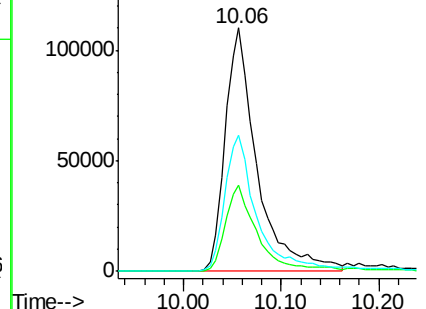
54 55.9 43.1 64.7



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: BG033727.D

Acq: 10 Apr 2018 23:40

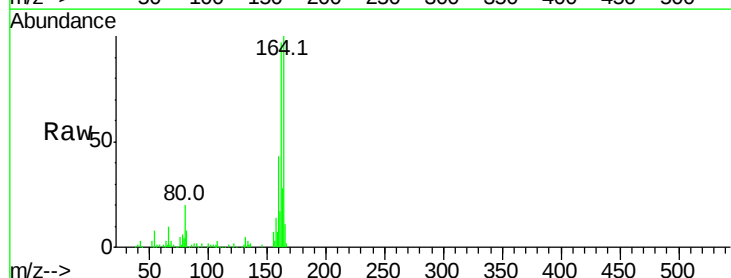
Tgt Ion: 164 Resp: 98934

Ion Ratio Lower Upper

164 100

162 97.5 78.8 118.2

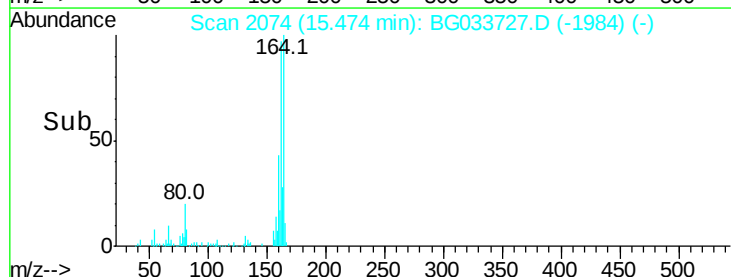
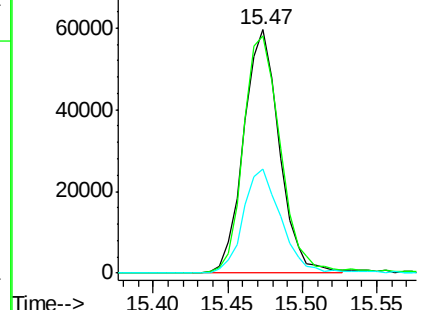
160 42.8 35.4 53.0

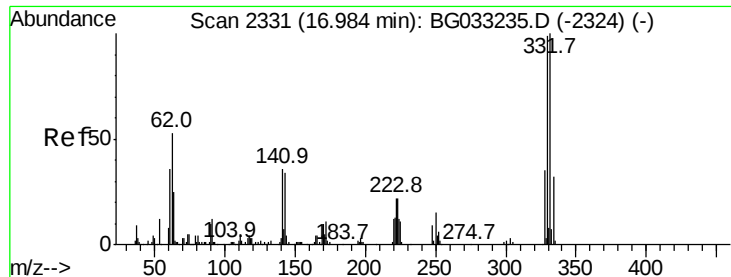


Abundance Ion 164.00 (163.70 to 164.70): BGC

Ion 162.00 (161.70 to 162.70): BGC

Ion 160.00 (159.70 to 160.70): BGC

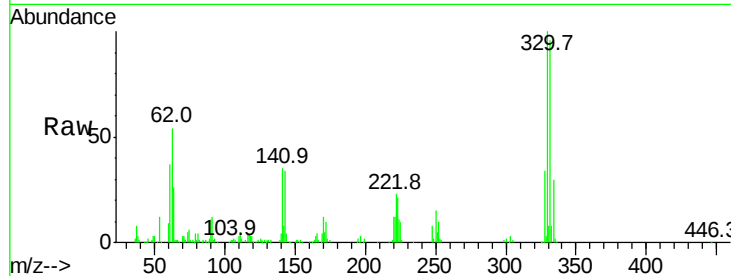




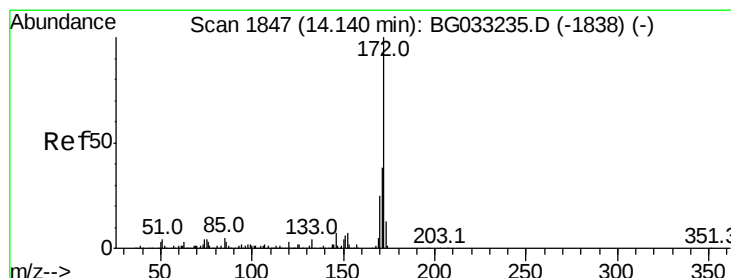
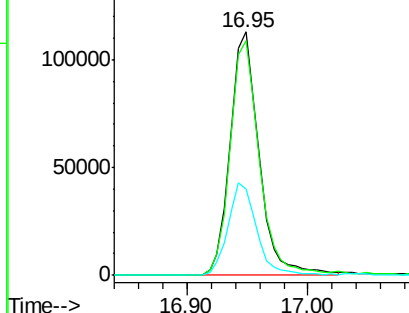
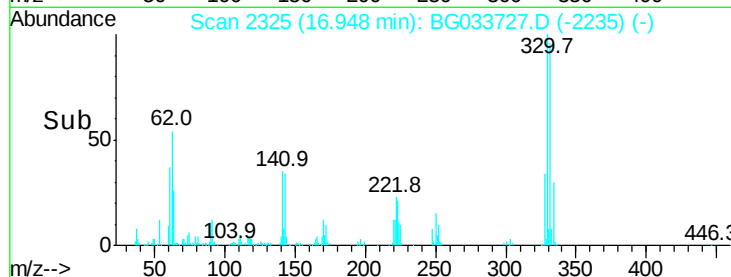
#41
 2,4,6-Tribromophenol
 Concen: 127.551 ng
 RT: 16.95 min Scan# 2325
 Delta R.T. 0.00 min
 Lab File: BG033727.D
 Acq: 10 Apr 2018 23:40

Instrument :
 BNA_G
 ClientSampled :

Tot Ion:330 Resp: 188734
 Ion Ratio Lower Upper
 330 100
 332 98.5 77.0 115.6
 141 37.8 25.2 37.8#

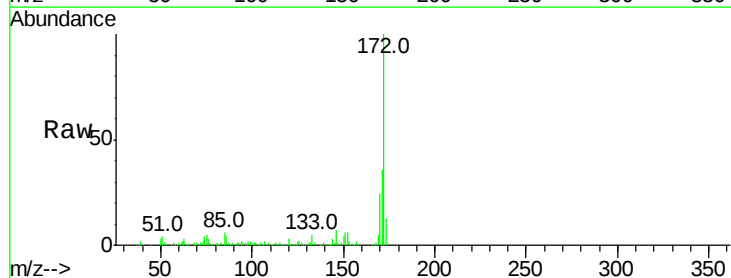


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

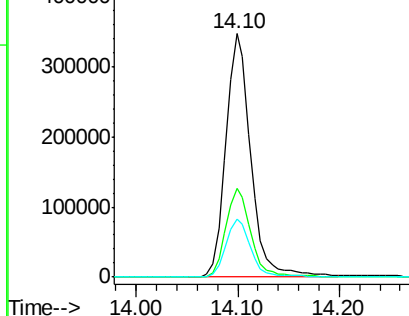
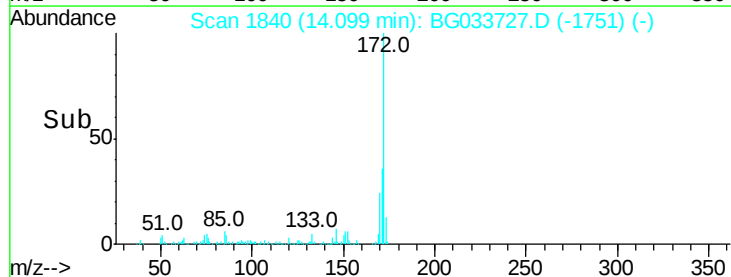


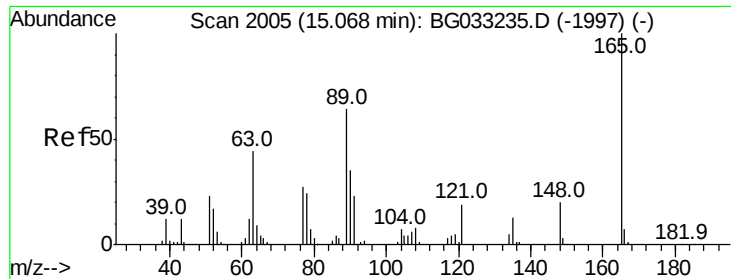
#44
 2-Fluorobiphenyl
 Concen: 86.413 ng
 RT: 14.10 min Scan# 1840
 Delta R.T. -0.01 min
 Lab File: BG033727.D
 Acq: 10 Apr 2018 23:40

Tgt Ion:172 Resp: 592199
 Ion Ratio Lower Upper
 172 100
 171 36.2 30.0 45.0
 170 23.8 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

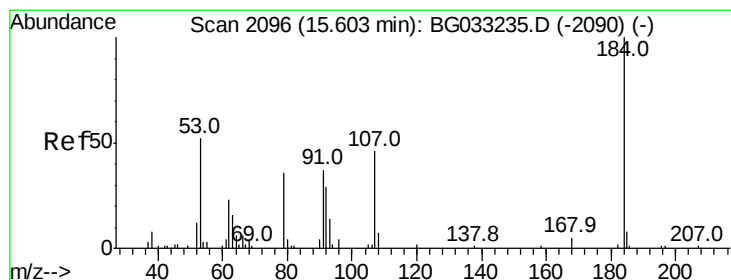
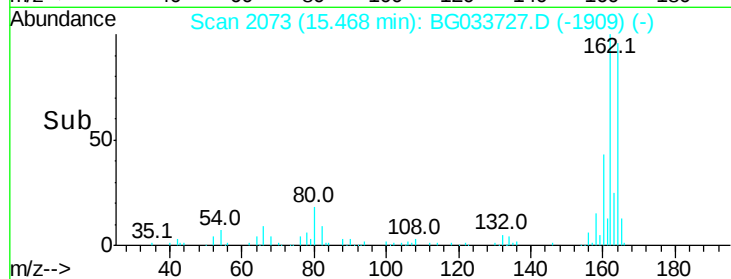
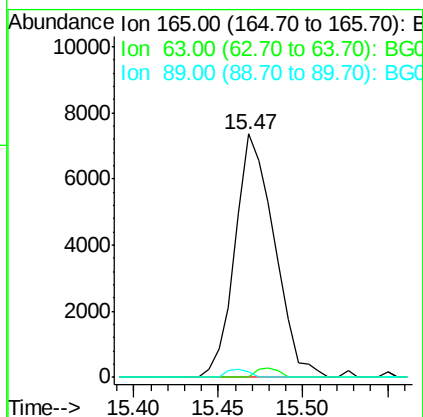
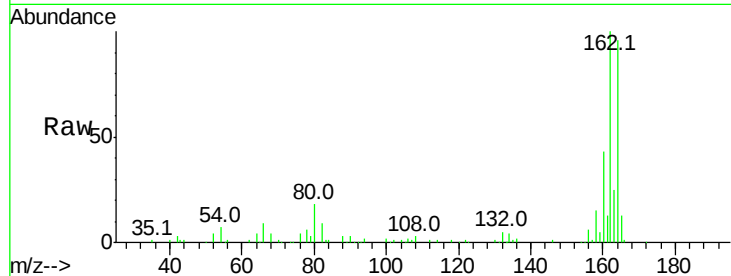




#50
 2,6-Dinitrotoluene
 Concen: 6.735 ng
 RT: 15.47 min Scan# 2073
 Delta R.T. 0.44 min
 Lab File: BG033727.D
 Acq: 10 Apr 2018 23:40

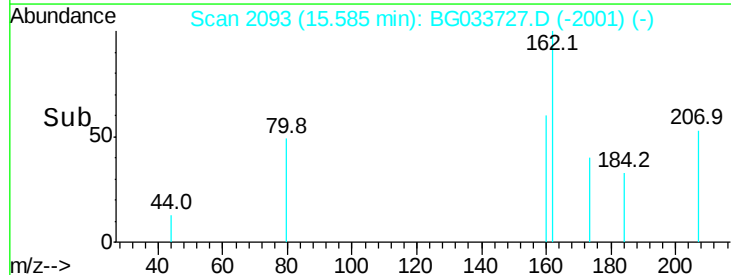
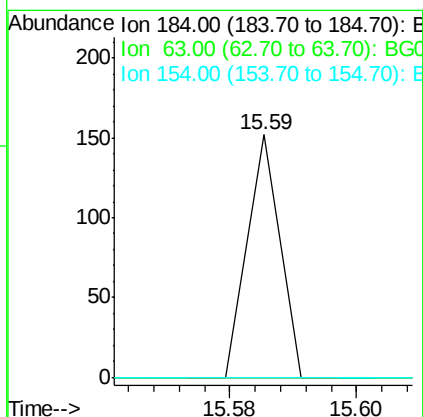
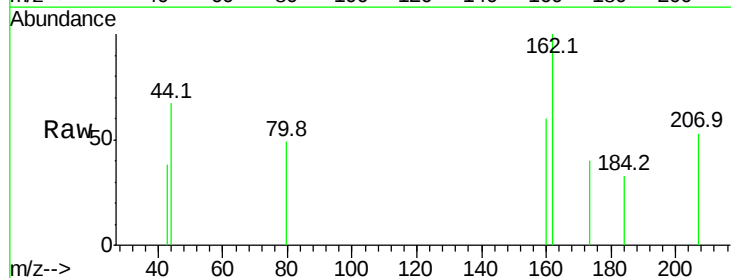
Instrument :
 BNA_G
 ClientSampleId :

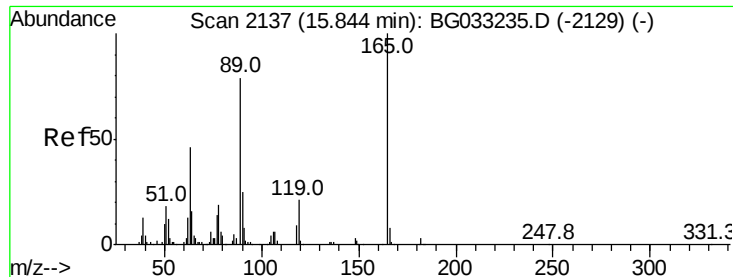
Tot Ion:165 Resp: 11857
 Ion Ratio Lower Upper
 165 100
 63 0.0 52.7 79.1#
 89 2.4 49.2 73.8#



#53
 2,4-Dinitrophenol
 Concen: 7.696 ng
 RT: 15.59 min Scan# 2093
 Delta R.T. 0.01 min
 Lab File: BG033727.D
 Acq: 10 Apr 2018 23:40

Tgt Ion:184 Resp: 54
 Ion Ratio Lower Upper
 184 100
 63 0.0 59.8 89.8#
 154 0.0 101.8 152.8#





#56

2,4-Dinitrotoluene

Concen: 4.574 ng

RT: 15.47 min Scan# 2073

Delta R.T. -0.35 min

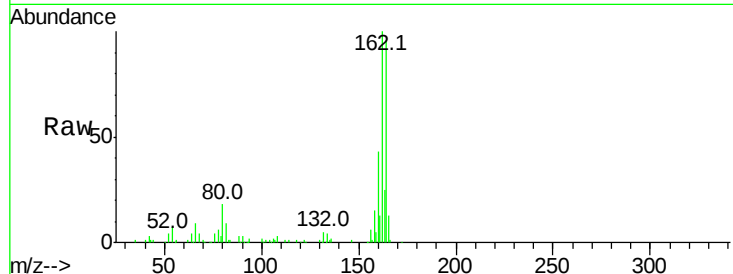
Lab File: BG033727.D

Acq: 10 Apr 2018 23:40

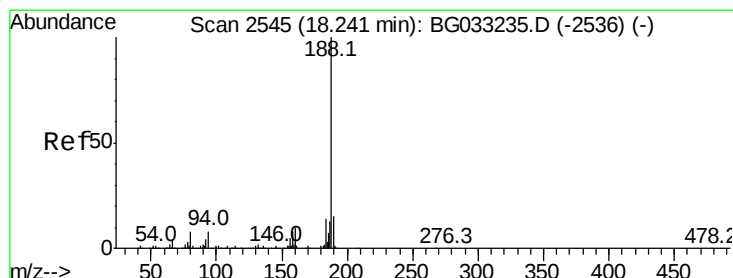
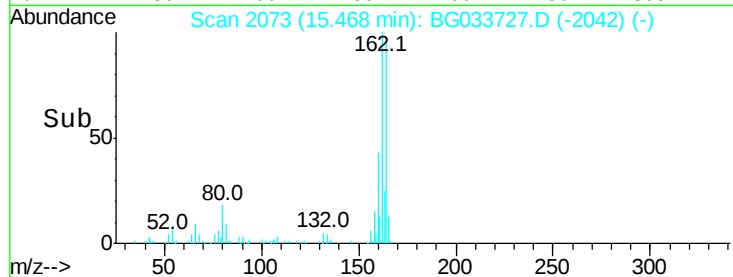
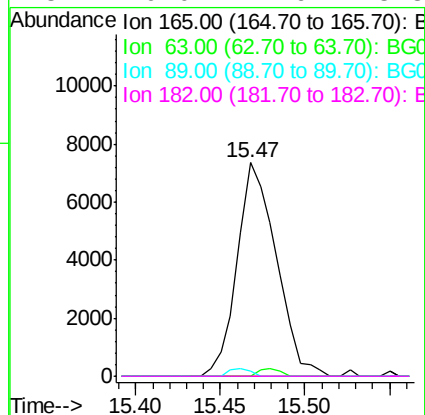
Instrument :

BNA_G

ClientSampleId :



Tot Ion:	165	Resp:	11857
Ion	Ratio	Lower	Upper
165	100		
63	0.0	42.0	63.0#
89	2.4	66.9	100.3#
182	0.0	2.6	3.8#



#63

Phenanthrene-d10

Concen: 20.000 ng

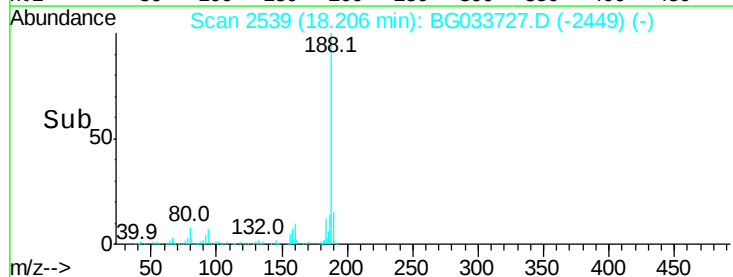
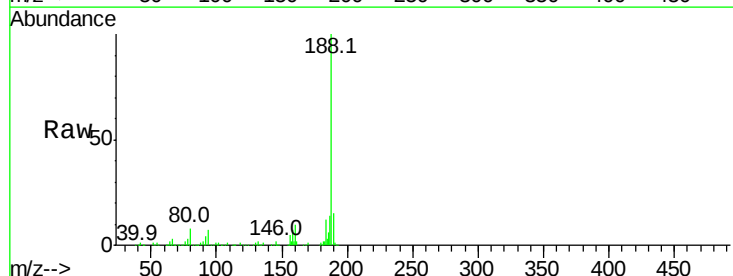
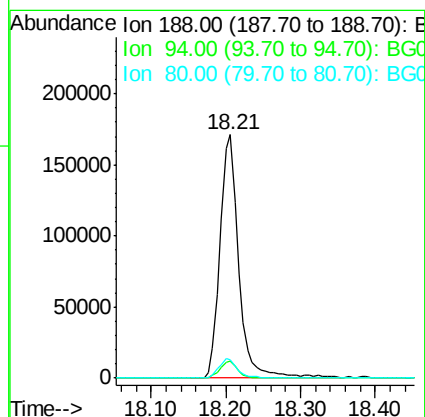
RT: 18.21 min Scan# 2539

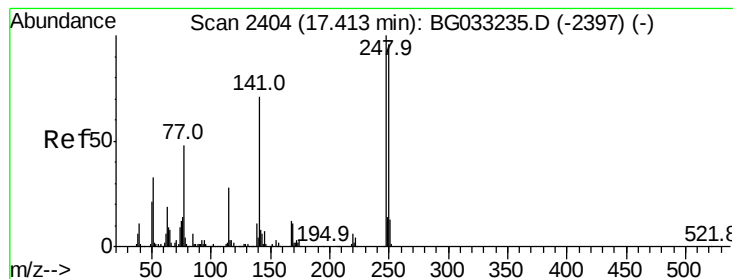
Delta R.T. 0.00 min

Lab File: BG033727.D

Acq: 10 Apr 2018 23:40

Tgt Ion:	188	Resp:	297923
Ion	Ratio	Lower	Upper
188	100		
94	6.8	6.9	10.3#
80	7.6	7.7	11.5#





#66

4-Bromophenyl-phenylether

Concen: 4.446 ng

RT: 16.94 min Scan# 2324

Delta R.T. -0.43 min

Lab File: BG033727.D

Acq: 10 Apr 2018 23:40

Instrument :

BNA_G

ClientSampled :

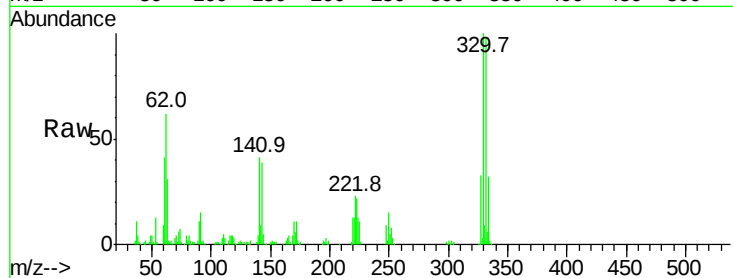
Tot Ion:248 Resp: 15555

Ion Ratio Lower Upper

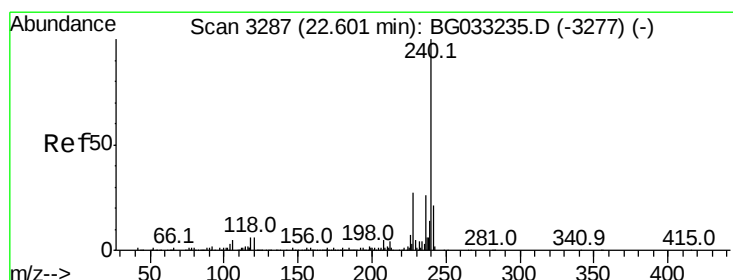
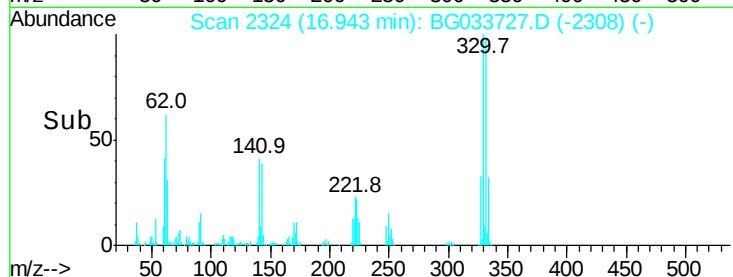
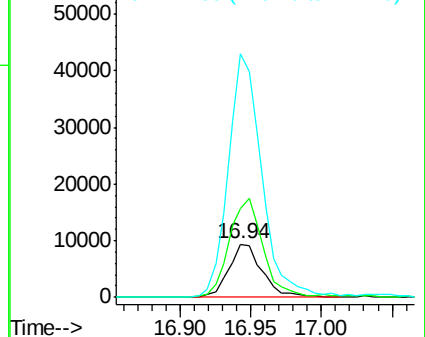
248 100

250 165.7 77.1 115.7#

141 455.9 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: BG033727.D

Acq: 10 Apr 2018 23:40

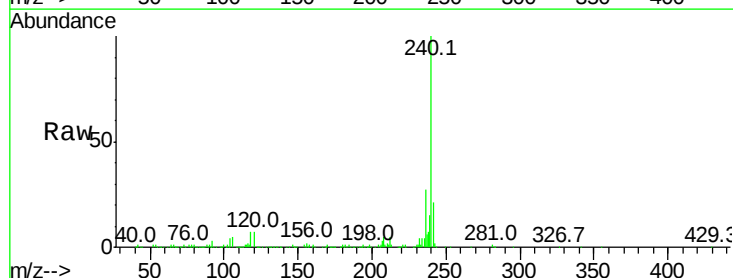
Tgt Ion:240 Resp: 330371

Ion Ratio Lower Upper

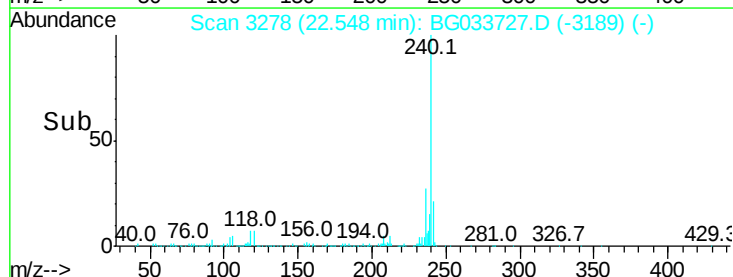
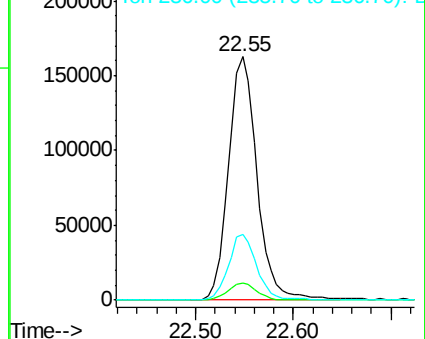
240 100

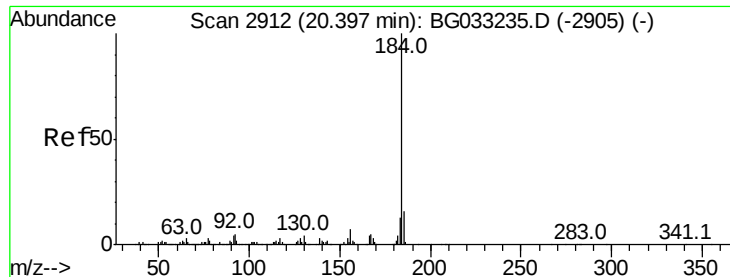
120 7.1 6.8 10.2

236 26.9 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





#76

Benzidine

Concen: 2.583 ng

RT: 20.73 min Scan# 2968

Delta R.T. 0.36 min

Lab File: BG033727.D

Acq: 10 Apr 2018 23:40

Instrument :

BNA_G

ClientSampleId :

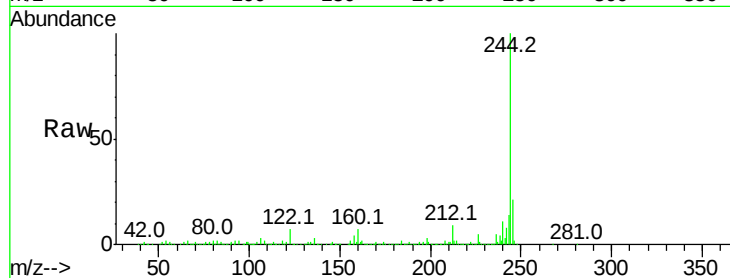
Tot Ion:184 Resp: 23140

Ion Ratio Lower Upper

184 100

185 13.7 11.1 16.7

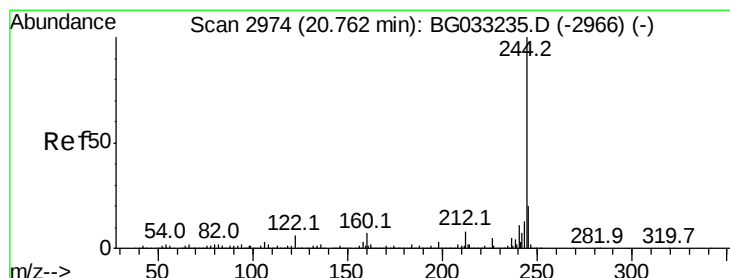
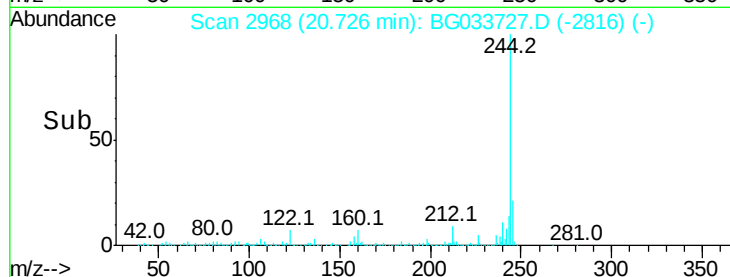
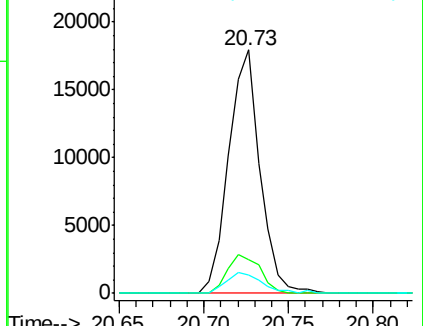
183 7.6 10.6 16.0#



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: 87.236 ng

RT: 20.73 min Scan# 2968

Delta R.T. 0.00 min

Lab File: BG033727.D

Acq: 10 Apr 2018 23:40

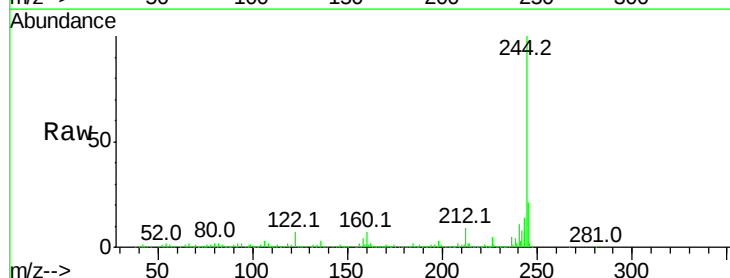
Tgt Ion:244 Resp: 1347615

Ion Ratio Lower Upper

244 100

212 8.8 5.8 8.8#

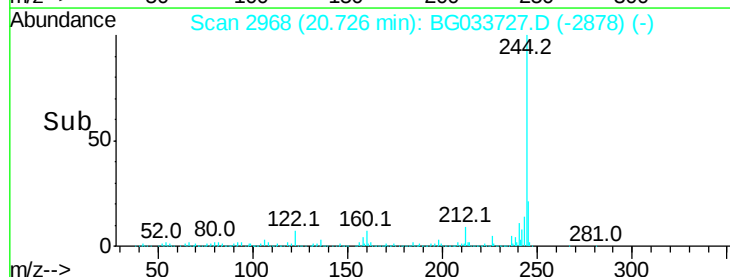
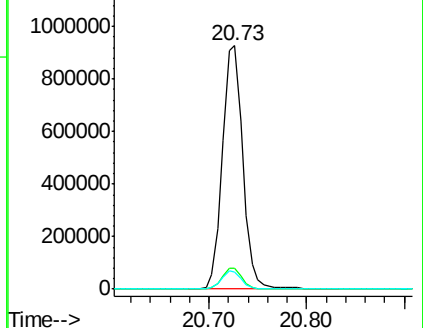
122 6.9 7.0 10.4#



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
Pervlene-d12
Concen: 20.000 ng
RT: 26.30 min Scan# 3917
Delta R.T. -0.01 min
Lab File: BG033727.D
Acq: 10 Apr 2018 23:40

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.6	17.4	26.0
265	19.4	17.7	26.5

