

Data Path : Z:\HPCHEM1\BNA G\DATA\BG040918\
 Data File : BG033701.D
 Acq On : 10 Apr 2018 5:10
 Operator : SJ/JU
 Sample : J2157-02
 Misc :
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Apr 10 06:05:24 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

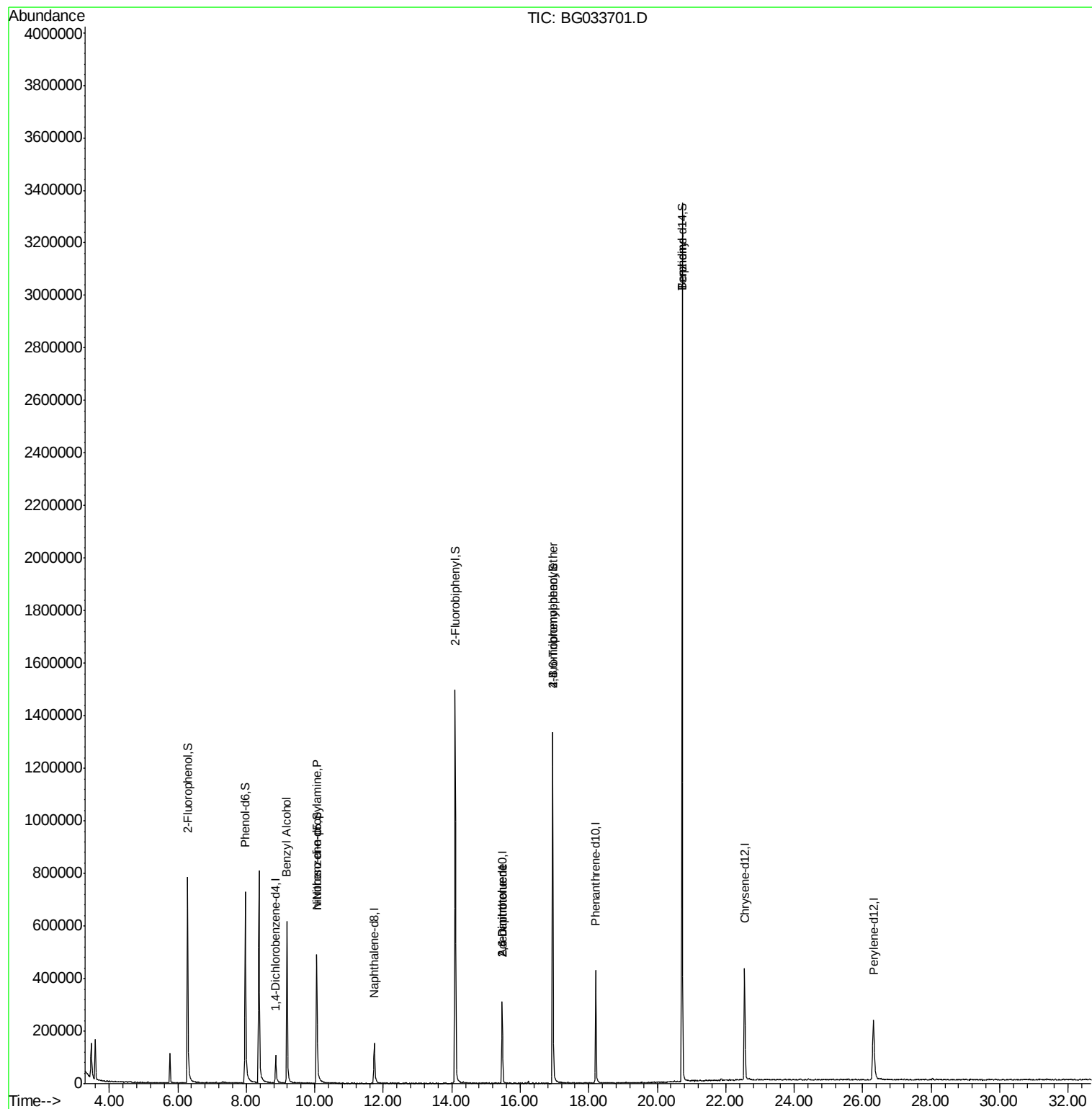
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.86	152	37173	20.00	ng	0.00
21) Naphthalene-d8	11.74	136	157479	20.00	ng	0.00
38) Acenaphthene-d10	15.47	164	115446	20.00	ng	0.00
63) Phenanthrene-d10	18.21	188	308615	20.00	ng	0.00
75) Chrysene-d12	22.55	240	316518	20.00	ng	-0.01
86) Perylene-d12	26.31	264	336955	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	6.29	112	363557	183.39	ng	0.00
7) Phenol-d6	7.97	99	506772	148.78	ng	0.00
23) Nitrobenzene-d5	10.06	82	376198	109.75	ng	0.00
41) 2,4,6-Tribromophenol	16.95	330	262931	152.28	ng	0.00
44) 2-Fluorobiphenyl	14.10	172	849868	106.27	ng	0.00
78) Terphenyl-d14	20.73	244	1637524	110.64	ng	0.00
Target Compounds						
15) Benzyl Alcohol	9.19	79	7038	2.624	ng	# 46
19) n-Nitroso-di-n-propylamine	10.06	70	48841	19.568	ng	# 76
50) 2,6-Dinitrotoluene	15.47	165	14714	7.162	ng	# 20
56) 2,4-Dinitrotoluene	15.47	165	14714	4.865	ng	# 18
66) 4-Bromophenyl-phenylether	16.95	248	19698	5.435	ng	# 1
76) Benzidine	20.73	184	28278	3.294	ng	# 93

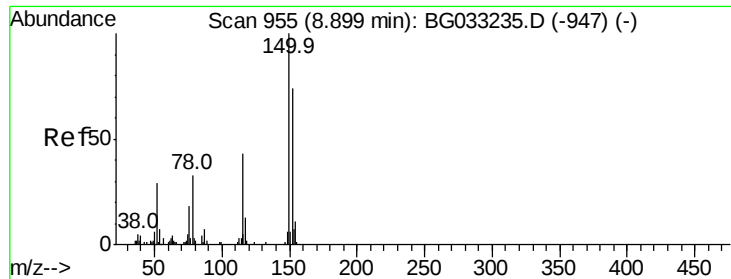
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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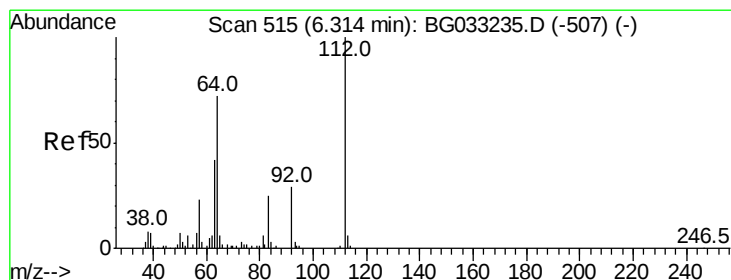
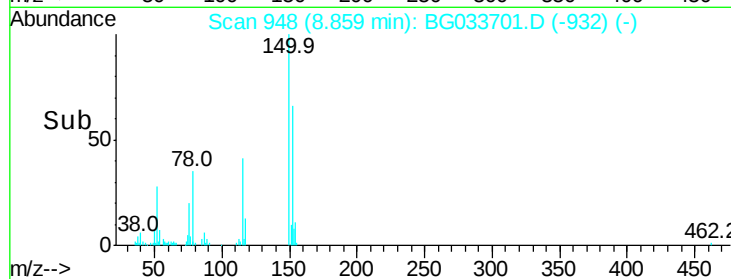
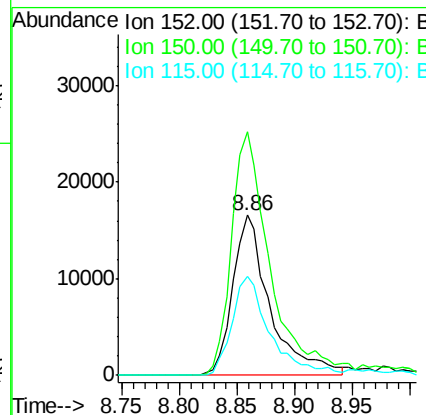
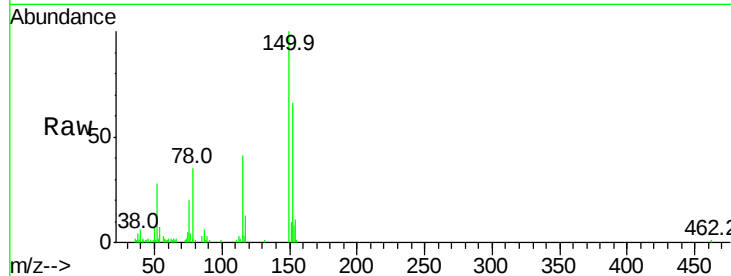


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.86 min Scan# 948
Delta R.T. -0.01 min
Lab File: BG033701.D
Acq: 10 Apr 2018 5:10

Instrument :
BNA_G
ClientSampleId :

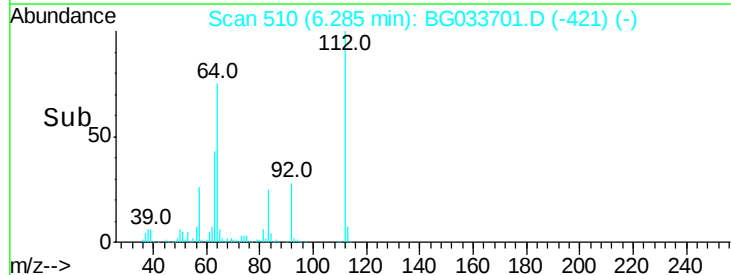
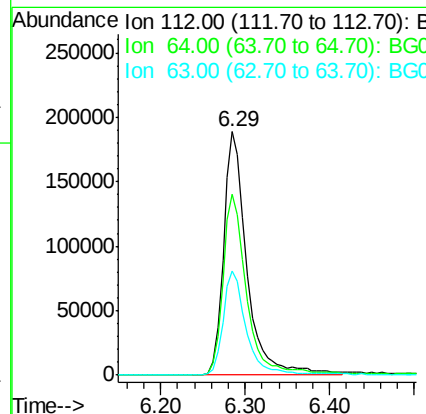
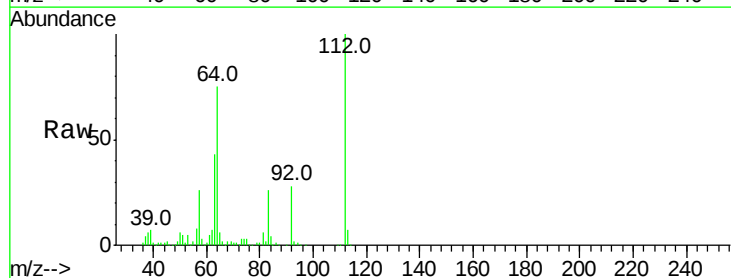
Tot Ion:152 Resp: 37173
Ion Ratio Lower Upper
152 100
150 152.3 126.6 189.8
115 61.7 53.0 79.4

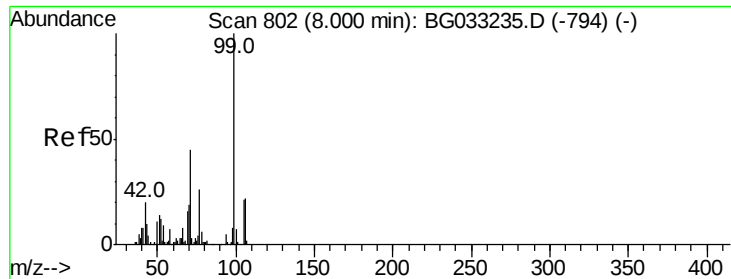


#5

2-Fluorophenol
Concen: 183.389 ng
RT: 6.29 min Scan# 510
Delta R.T. -0.00 min
Lab File: BG033701.D
Acq: 10 Apr 2018 5:10

Tgt Ion:112 Resp: 363557
Ion Ratio Lower Upper
112 100
64 74.6 56.3 84.5
63 42.6 30.1 45.1





#7

Phenol-d6

Concen: 148.778 ng

RT: 7.97 min Scan# 797

Delta R.T. 0.00 min

Lab File: BG033701.D

Acq: 10 Apr 2018 5:10

Instrument :

BNA_G

ClientSampleId :

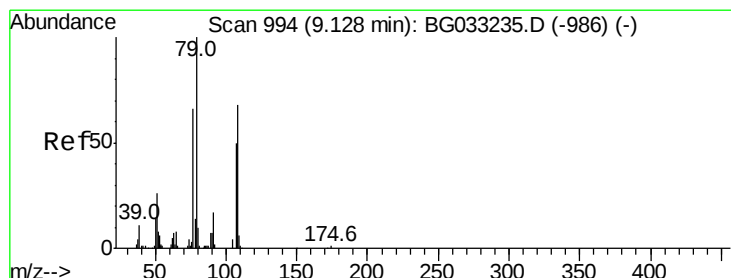
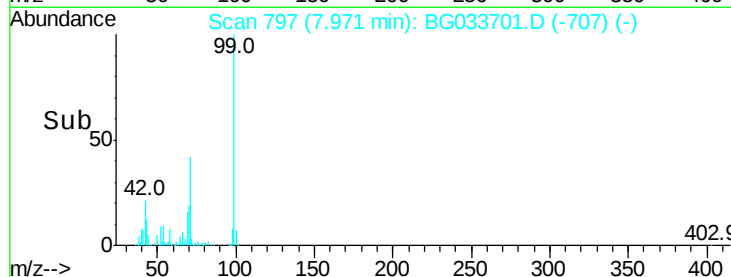
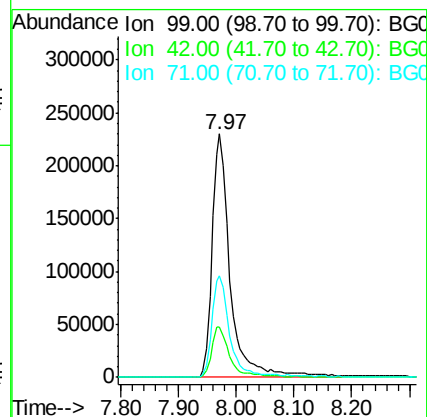
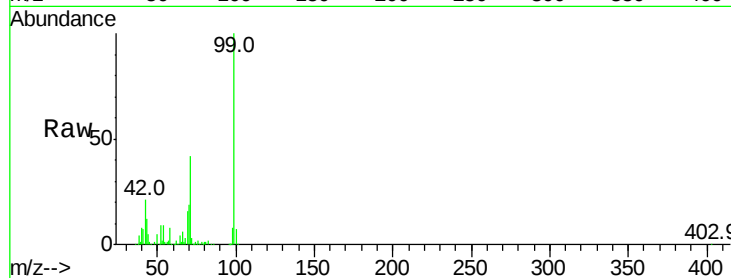
Tot Ion: 99 Resp: 506772

Ion Ratio Lower Upper

99 100

42 20.7 14.1 21.1

71 41.9 26.1 39.1#



#15

Benzyl Alcohol

Concen: 2.624 ng

RT: 9.19 min Scan# 1004

Delta R.T. 0.09 min

Lab File: BG033701.D

Acq: 10 Apr 2018 5:10

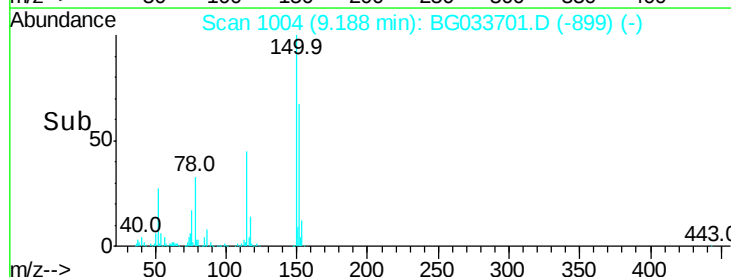
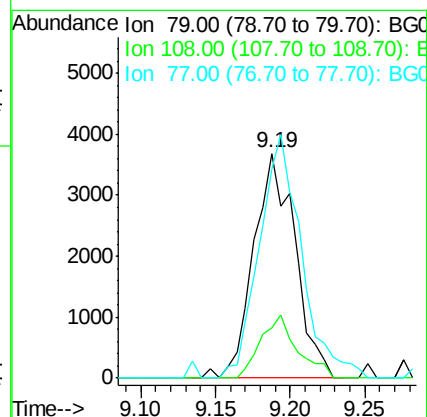
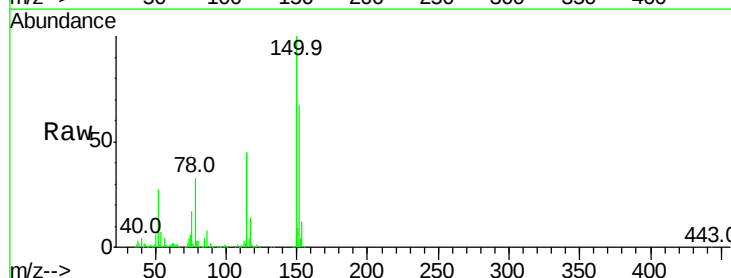
Tgt Ion: 79 Resp: 7038

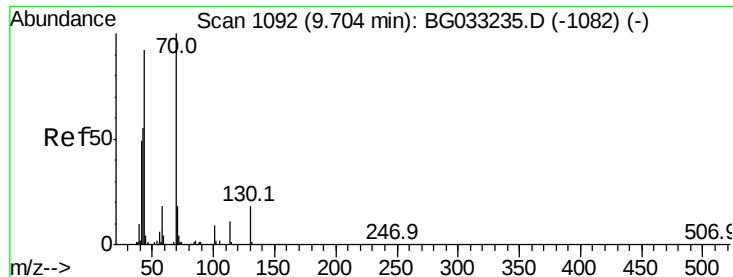
Ion Ratio Lower Upper

79 100

108 22.6 57.2 85.8#

77 92.9 46.1 69.1#

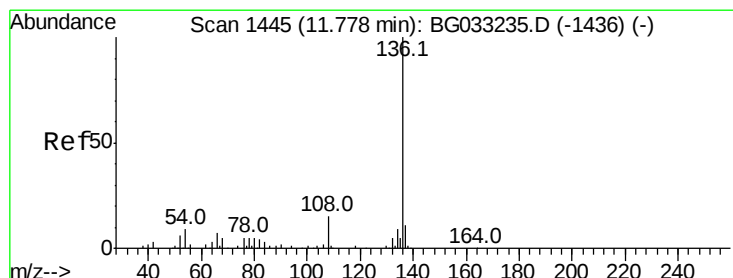
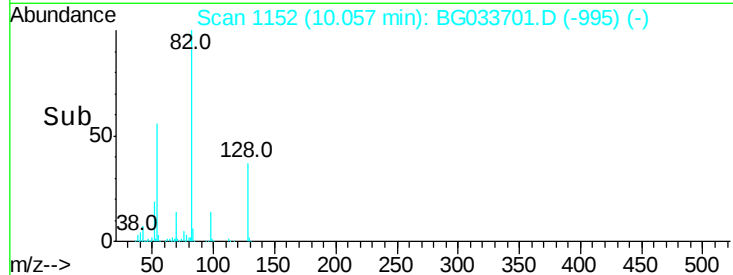
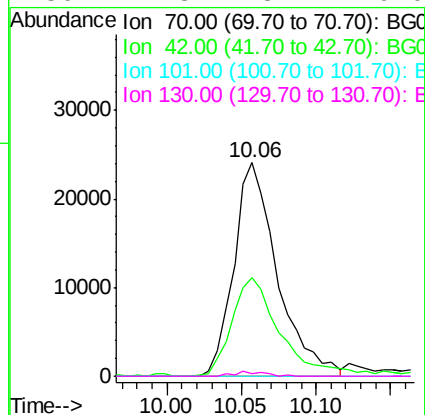
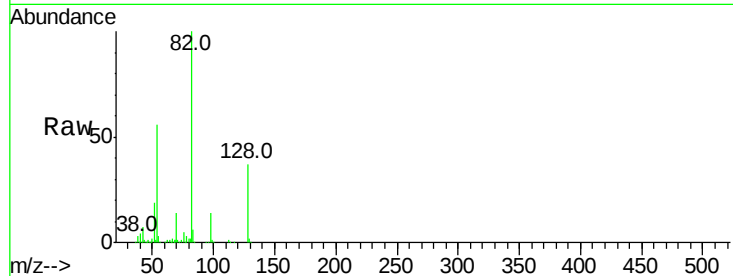




#19
n-Nitroso-di-n-propylamine
Concen: 19.568 ng
RT: 10.06 min Scan# 1152
Delta R.T. 0.39 min
Lab File: BG033701.D
Acq: 10 Apr 2018 5:10

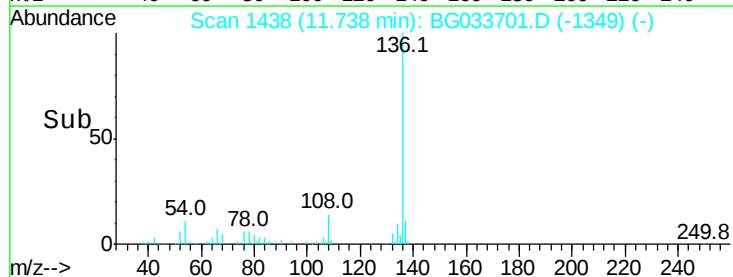
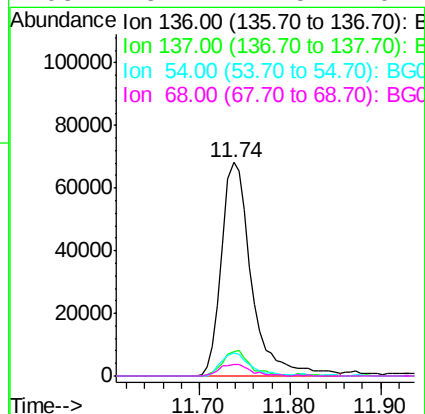
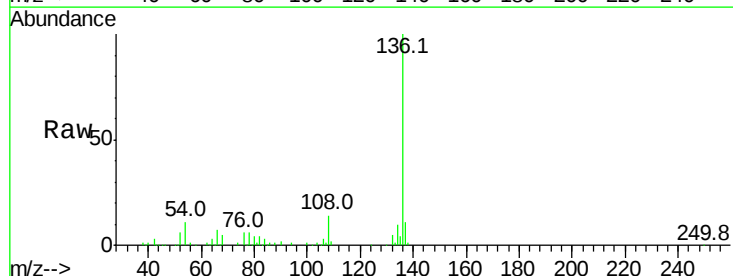
Instrument :
BNA_G
ClientSampleId :

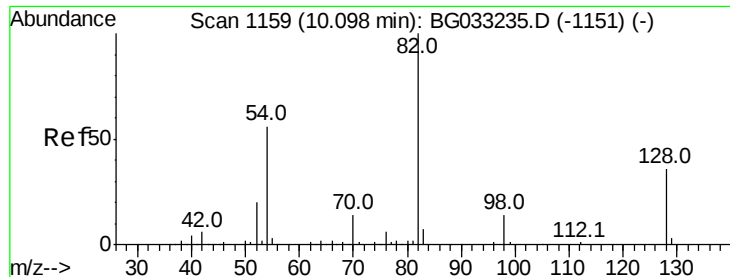
Tot Ion: 70 Resp: 48841
Ion Ratio Lower Upper
70 100
42 46.0 49.1 73.7#
101 0.0 8.5 12.7#
130 1.3 13.4 20.0#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.74 min Scan# 1438
Delta R.T. -0.00 min
Lab File: BG033701.D
Acq: 10 Apr 2018 5:10

Tgt Ion: 136 Resp: 157479
Ion Ratio Lower Upper
136 100
137 11.2 9.2 13.8
54 11.0 10.3 15.5
68 5.4 4.5 6.7





#23

Nitrobenzene-d5

Concen: 109.755 ng

RT: 10.06 min Scan# 1152

Delta R.T. -0.00 min

Lab File: BG033701.D

Acq: 10 Apr 2018 5:10

Instrument :

BNA_G

ClientSampled :

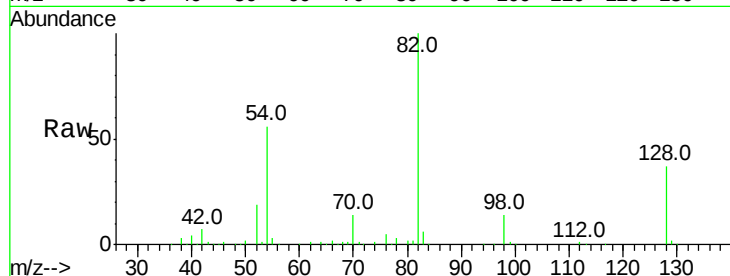
Tot Ion: 82 Resp: 376198

Ion Ratio Lower Upper

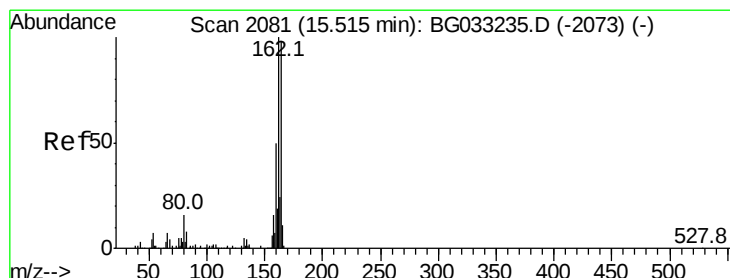
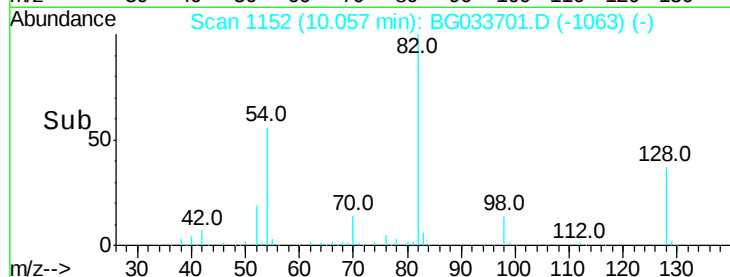
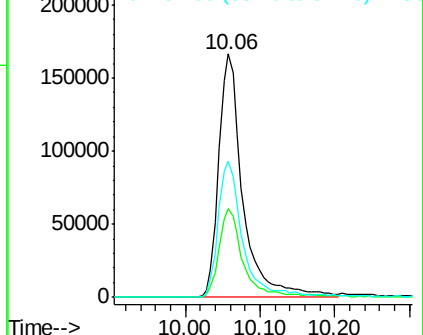
82 100

128 36.5 29.7 44.5

54 56.1 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: BG033701.D

Acq: 10 Apr 2018 5:10

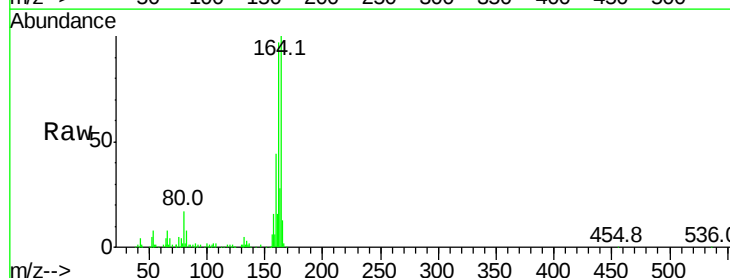
Tgt Ion: 164 Resp: 115446

Ion Ratio Lower Upper

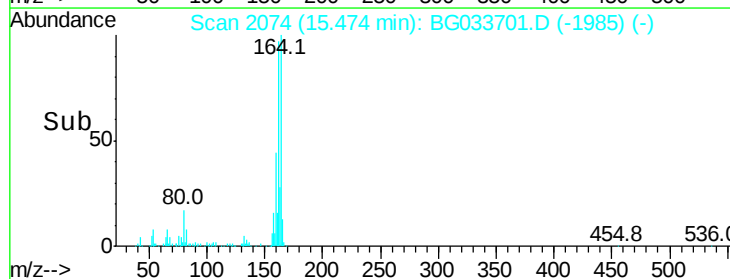
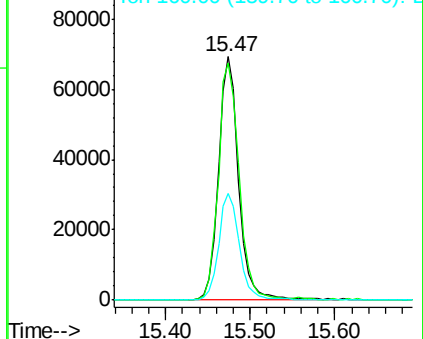
164 100

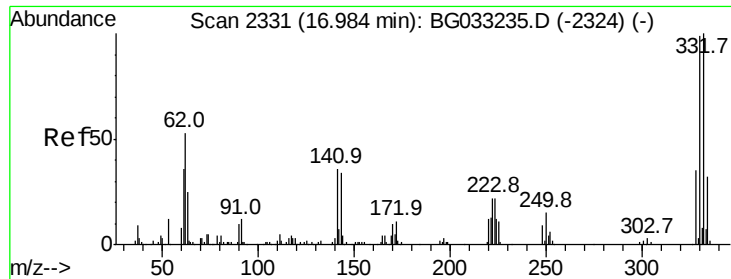
162 97.3 78.8 118.2

160 44.1 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

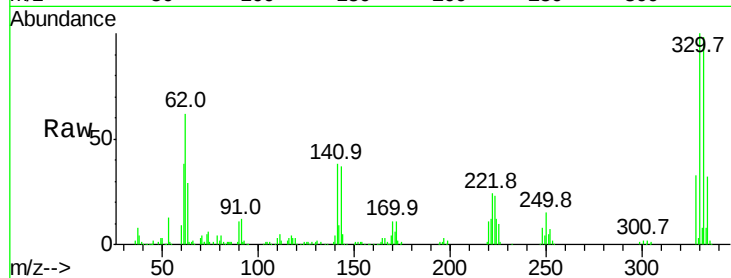




#41
 2,4,6-Tribromophenol
 Concen: 152.280 ng
 RT: 16.95 min Scan# 2325
 Delta R.T. -0.01 min
 Lab File: BG033701.D
 Acq: 10 Apr 2018 5:10

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	97.9	77.0	115.6
141	38.6	25.2	37.8#

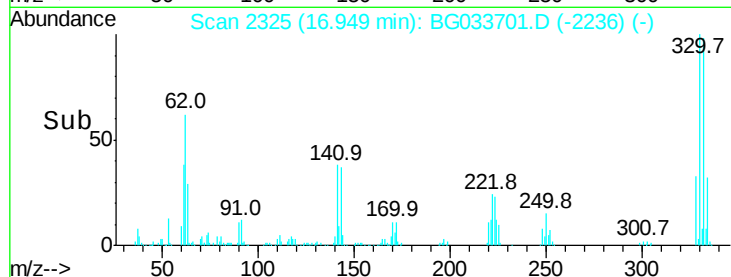
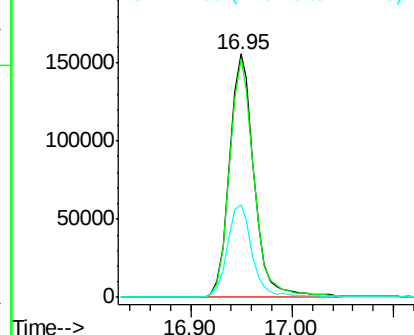


Abundance

Ion 329.80 (329.50 to 330.50): E

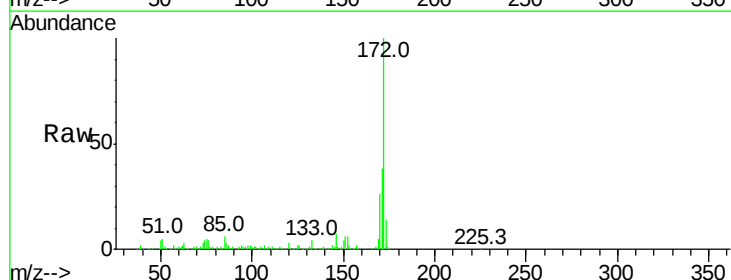
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#44
 2-Fluorobiphenyl
 Concen: 106.275 ng
 RT: 14.10 min Scan# 1840
 Delta R.T. -0.00 min
 Lab File: BG033701.D
 Acq: 10 Apr 2018 5:10

Tgt Ion	Ratio	Lower	Upper
172	100		
171	38.2	30.0	45.0
170	25.6	19.5	29.3

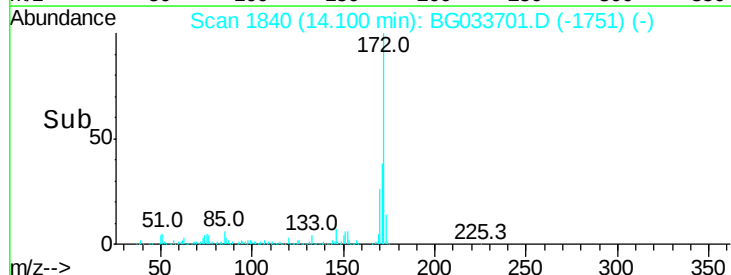
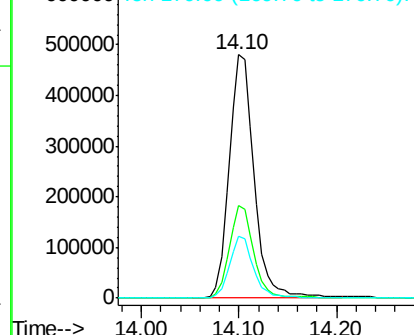


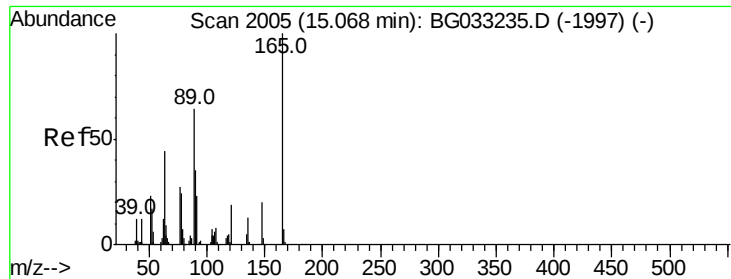
Abundance

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

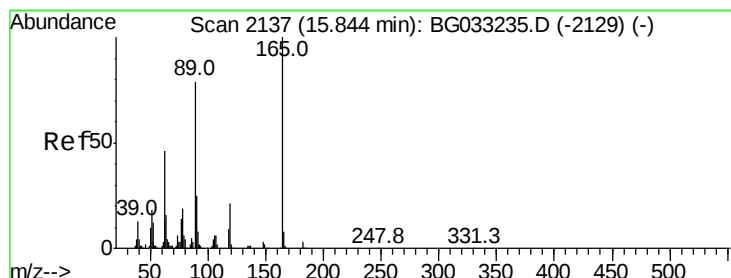
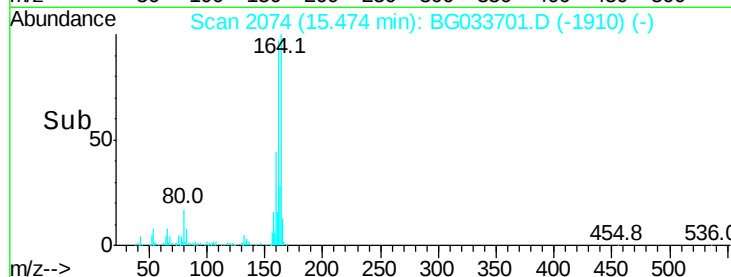
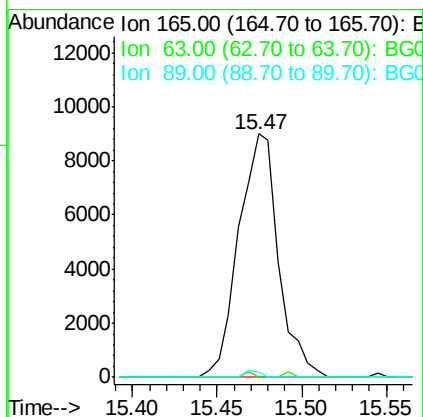
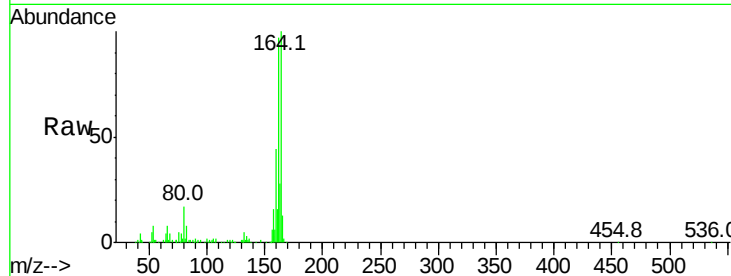




#50
2,6-Dinitrotoluene
Concen: 7.162 ng
RT: 15.47 min Scan# 2074
Delta R.T. 0.44 min
Lab File: BG033701.D
Acq: 10 Apr 2018 5:10

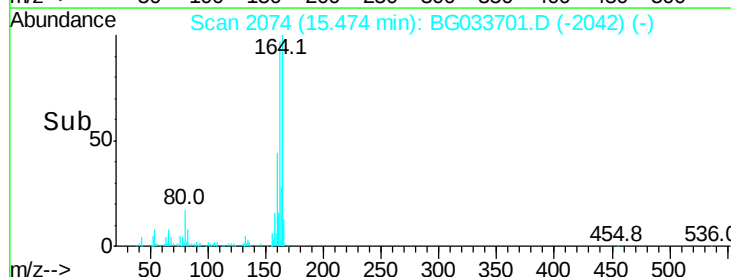
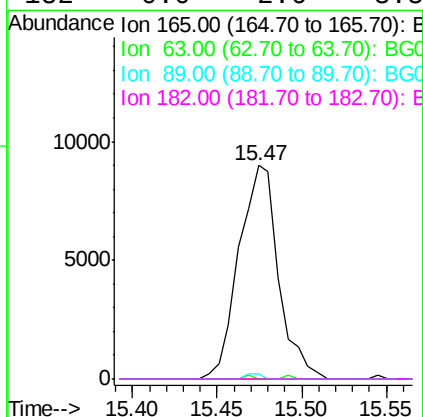
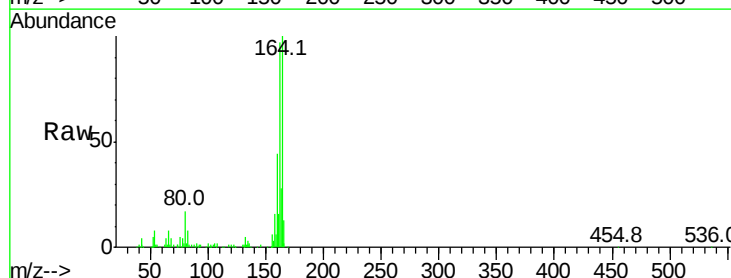
Instrument :
BNA_G
ClientSampleId :

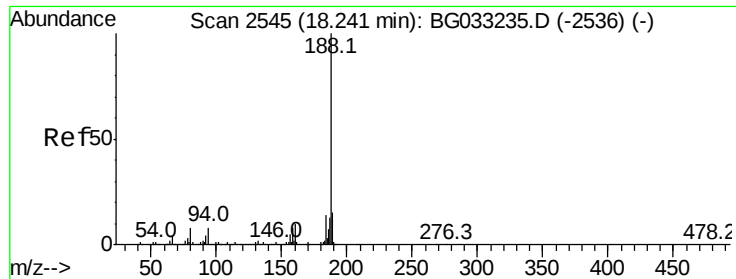
Tot Ion:165 Resp: 14714
Ion Ratio Lower Upper
165 100
63 0.0 52.7 79.1#
89 2.2 49.2 73.8#



#56
2,4-Dinitrotoluene
Concen: 4.865 ng
RT: 15.47 min Scan# 2074
Delta R.T. -0.34 min
Lab File: BG033701.D
Acq: 10 Apr 2018 5:10

Tgt Ion:165 Resp: 14714
Ion Ratio Lower Upper
165 100
63 0.0 42.0 63.0#
89 2.2 66.9 100.3#
182 0.0 2.6 3.8#

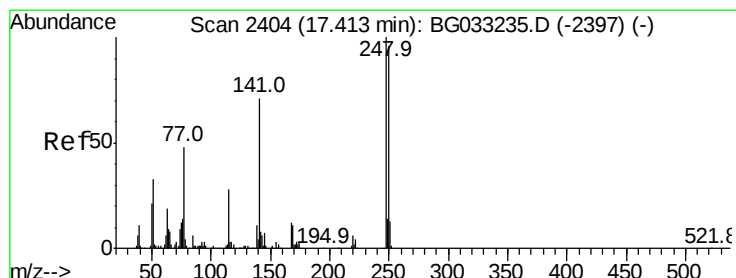
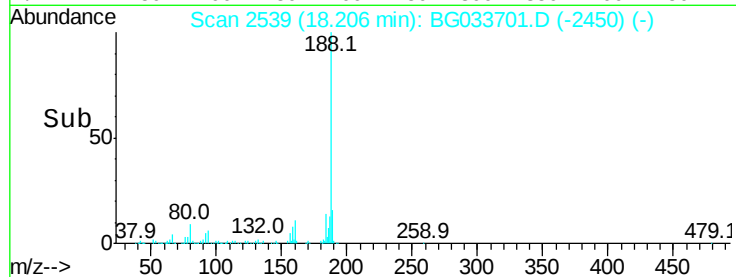
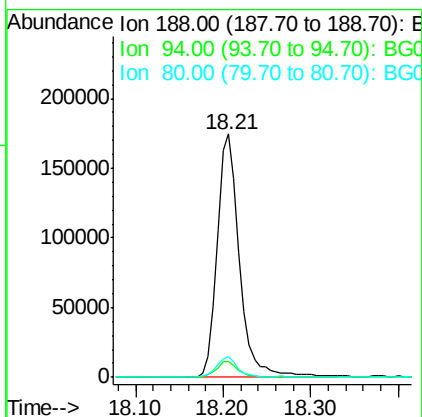
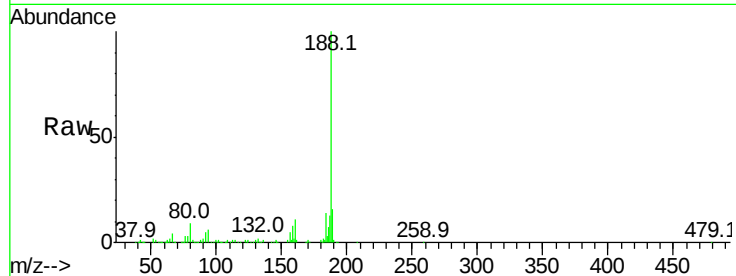




#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 18.21 min Scan# 2539
 Delta R.T. -0.00 min
 Lab File: BG033701.D
 Acq: 10 Apr 2018 5:10

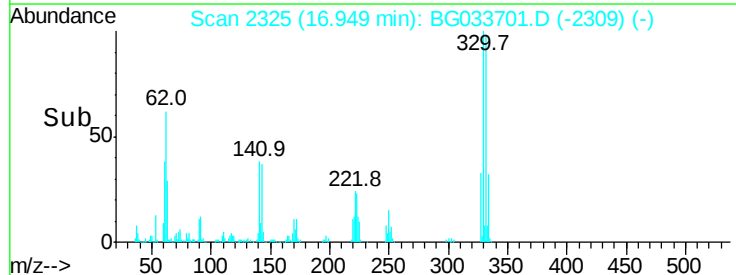
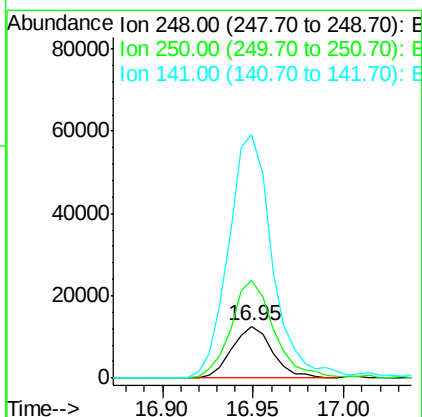
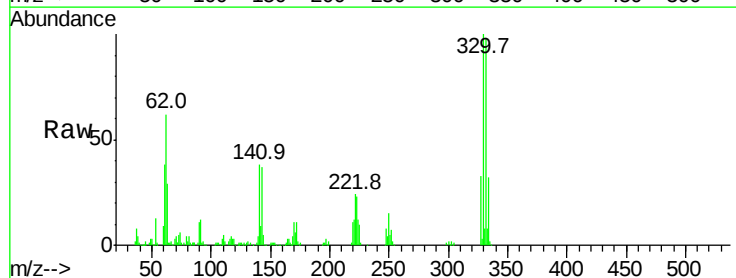
Instrument :
 BNA_G
 ClientSampleId :

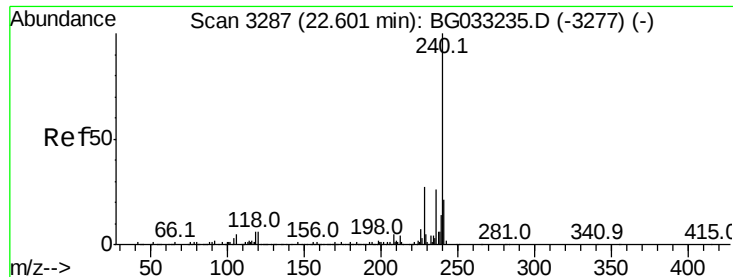
Tot Ion	Ratio	Lower	Upper
188	100		
94	6.2	6.9	10.3#
80	8.6	7.7	11.5



#66
 4-Bromophenyl-phenylether
 Concen: 5.435 ng
 RT: 16.95 min Scan# 2325
 Delta R.T. -0.43 min
 Lab File: BG033701.D
 Acq: 10 Apr 2018 5:10

Tgt Ion	Ratio	Lower	Upper
248	100		
250	187.7	77.1	115.7#
141	467.1	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: BG033701.D

Acq: 10 Apr 2018 5:10

Instrument :

BNA_G

ClientSampleId :

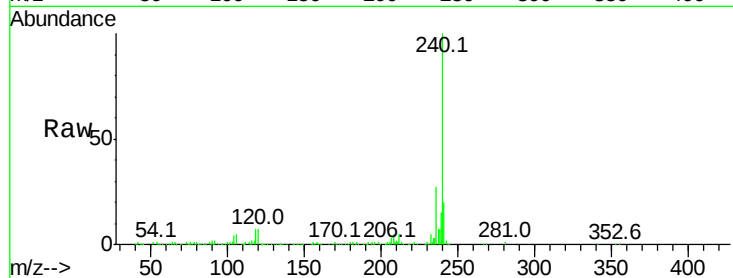
Tot Ion:240 Resp: 316518

Ion Ratio Lower Upper

240 100

120 7.3 6.8 10.2

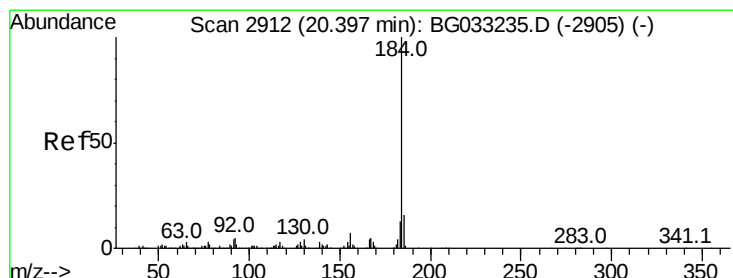
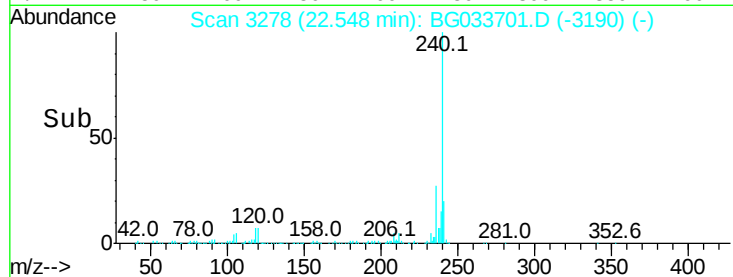
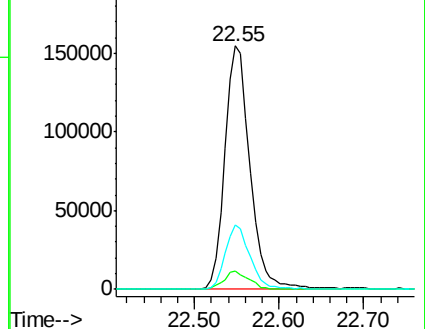
236 26.5 20.9 31.3



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: 3.294 ng

RT: 20.73 min Scan# 2968

Delta R.T. 0.36 min

Lab File: BG033701.D

Acq: 10 Apr 2018 5:10

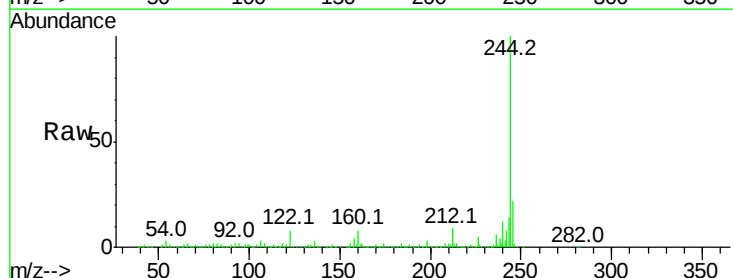
Tgt Ion:184 Resp: 28278

Ion Ratio Lower Upper

184 100

185 15.1 11.1 16.7

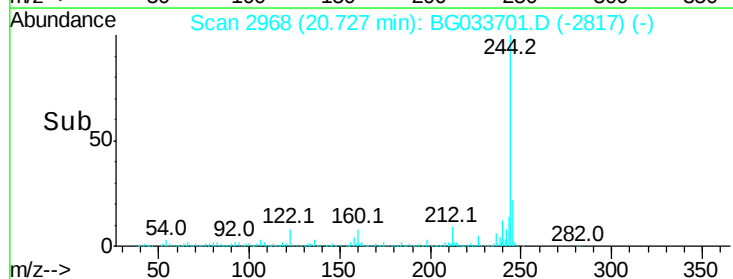
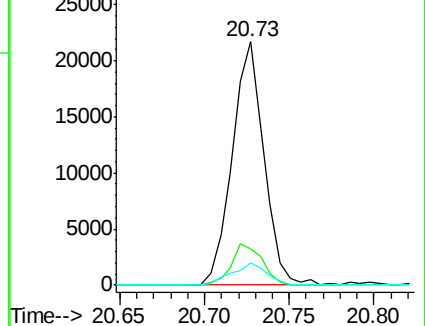
183 9.2 10.6 16.0#

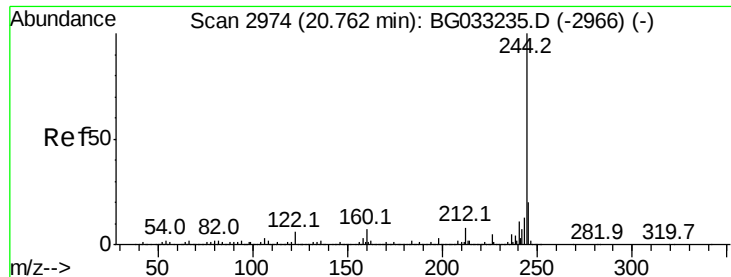


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#78

Terphenyl-d14

Concen: 110.642 ng

RT: 20.73 min Scan# 2968

Delta R.T. 0.00 min

Lab File: BG033701.D

Acq: 10 Apr 2018 5:10

Instrument :

BNA_G

ClientSampleId :

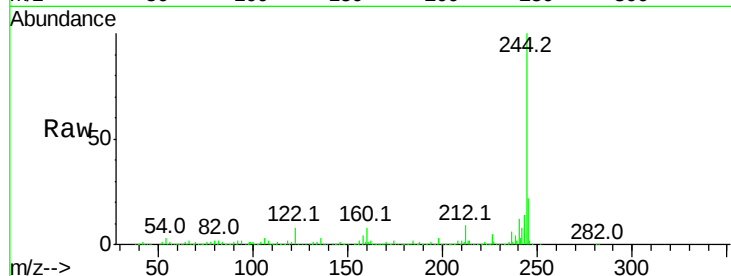
Tot Ion:244 Resp: 1637524

Ion Ratio Lower Upper

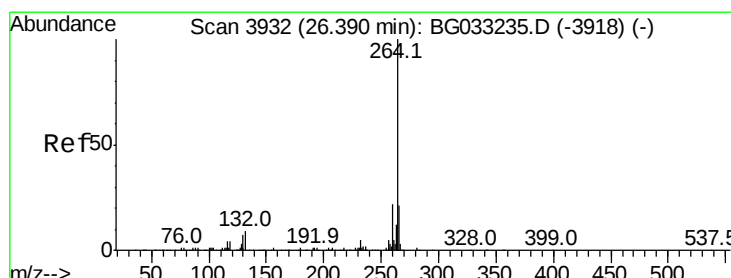
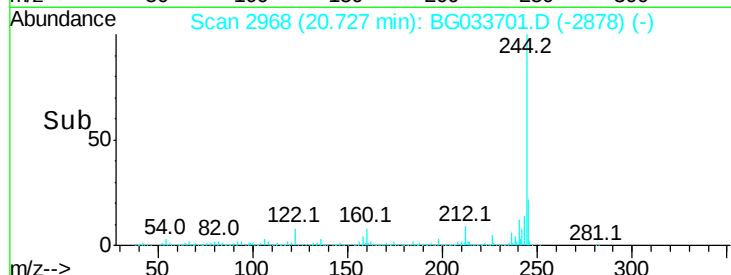
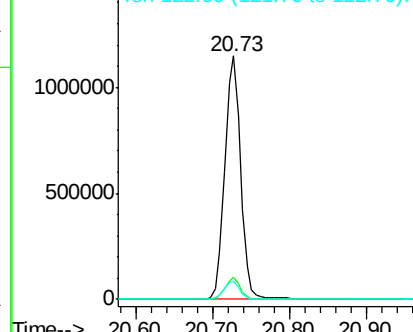
244 100

212 9.0 5.8 8.8#

122 7.5 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# 3919

Delta R.T. -0.00 min

Lab File: BG033701.D

Acq: 10 Apr 2018 5:10

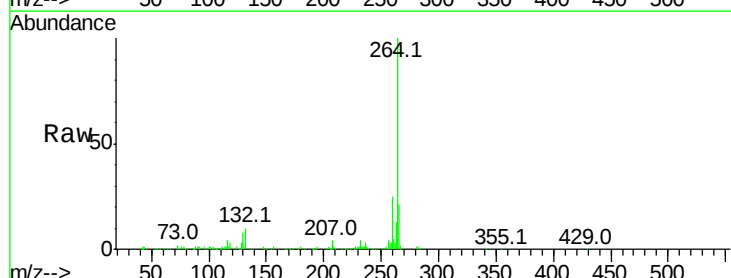
Tgt Ion:264 Resp: 336955

Ion Ratio Lower Upper

264 100

260 25.2 17.4 26.0

265 21.1 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

