

Data Path : Z:\HPCHEM1\BNA G\DATA\BG041218\
 Data File : BG033775.D
 Acq On : 12 Apr 2018 16:46
 Operator : SJ/JU
 Sample : J2161-02
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Apr 13 02:20:33 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

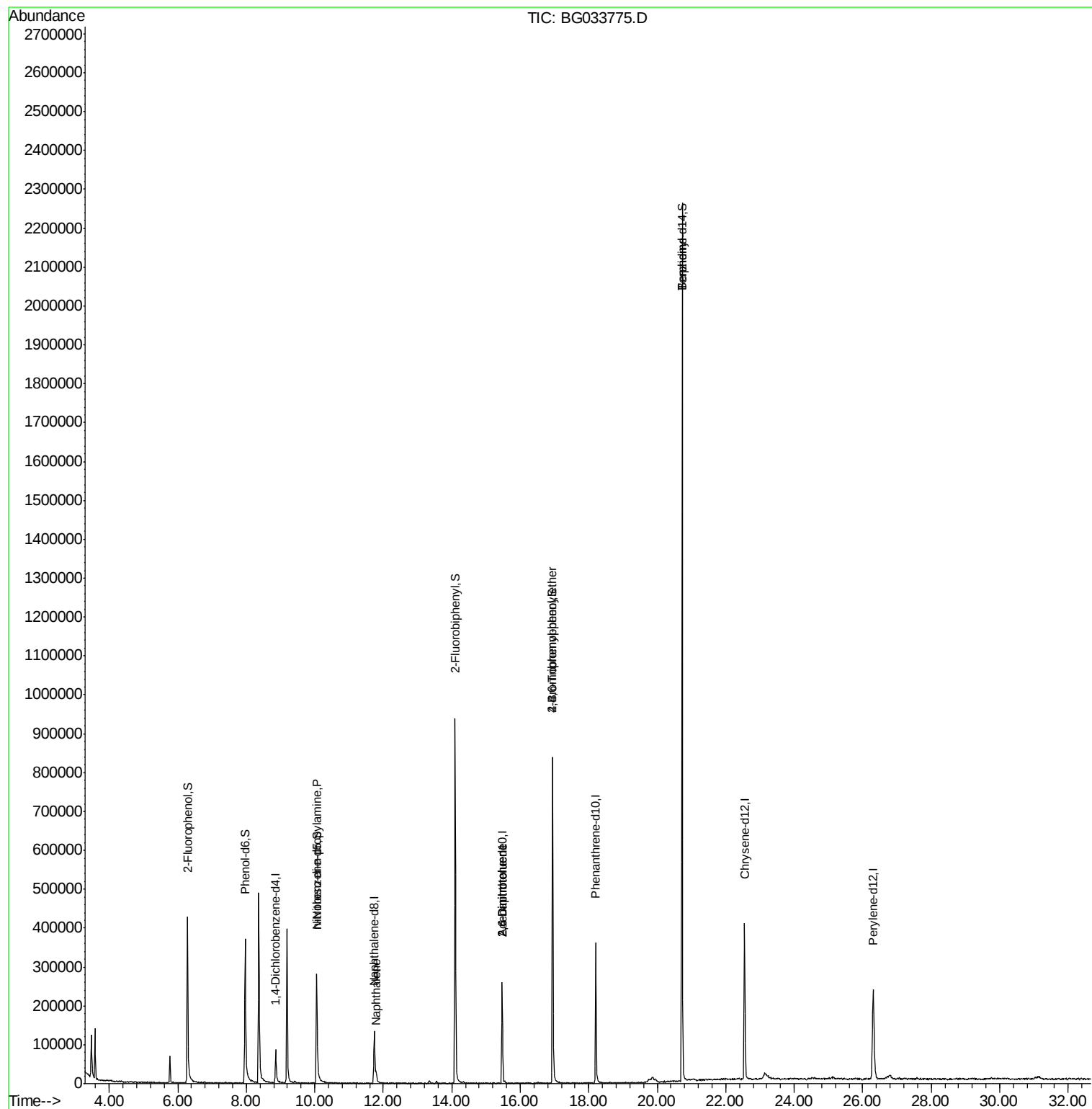
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.86	152	30664	20.00	ng	0.00
21) Naphthalene-d8	11.74	136	127495	20.00	ng	0.00
38) Acenaphthene-d10	15.47	164	95467	20.00	ng	0.00
63) Phenanthrene-d10	18.20	188	271103	20.00	ng	0.00
75) Chrysene-d12	22.55	240	296459	20.00	ng	0.00
86) Perylene-d12	26.31	264	314925	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	6.28	112	205993	125.97	ng	0.00
7) Phenol-d6	7.97	99	276879	98.54	ng	0.00
23) Nitrobenzene-d5	10.06	82	233487	84.14	ng	0.00
41) 2,4,6-Tribromophenol	16.95	330	172964	121.14	ng	0.00
44) 2-Fluorobiphenyl	14.10	172	534134	80.77	ng	0.00
78) Terphenyl-d14	20.73	244	1152737	83.16	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	10.06	70	29157	14.161	ng	Qvalue
31) Naphthalene	11.79	128	28969	4.385	ng	# 79
50) 2,6-Dinitrotoluene	15.47	165	12177	7.168	ng	# 20
56) 2,4-Dinitrotoluene	15.47	165	12177	4.868	ng	# 18
66) 4-Bromophenyl-phenylether	16.95	248	13135	4.125	ng	# 1
76) Benzidine	20.73	184	20361	2.533	ng	# 90

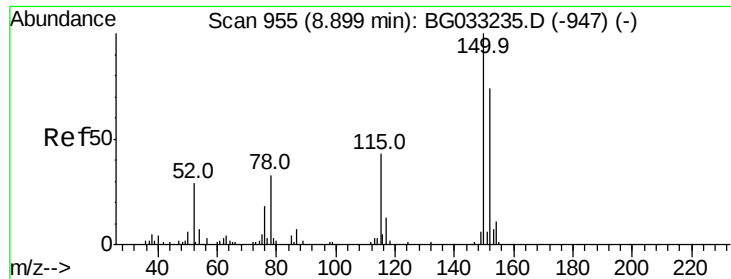
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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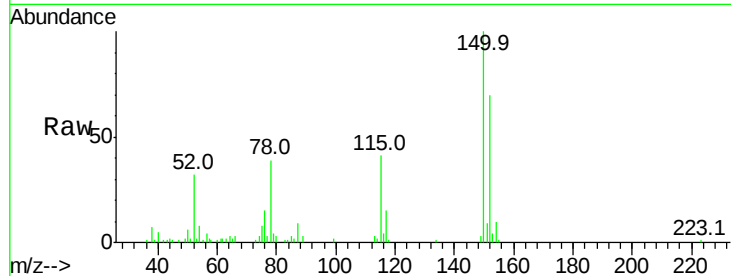


#1

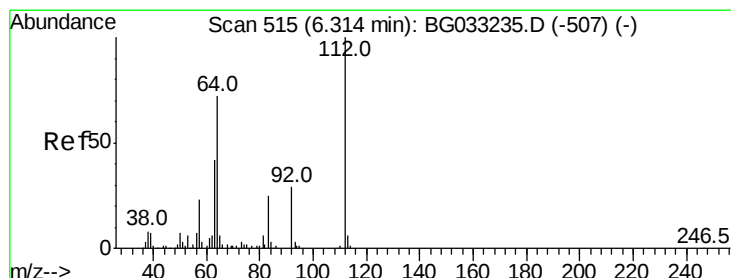
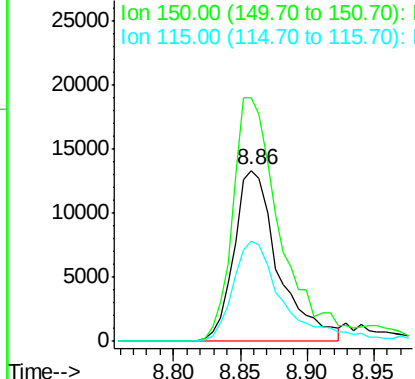
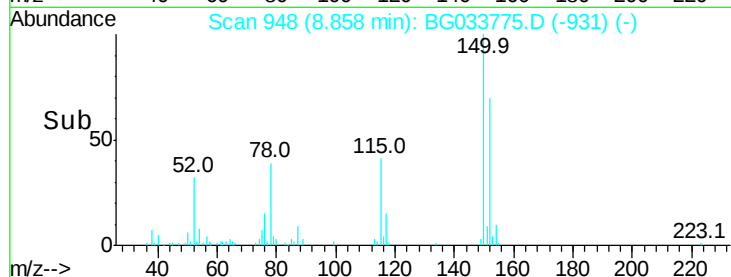
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.86 min Scan# 948
Delta R.T. 0.00 min
Lab File: BG033775.D
Acq: 12 Apr 2018 16:46

Instrument :
BNA_G
ClientSampleId :

Tot Ion:152 Resp: 30664
Ion Ratio Lower Upper
152 100
150 142.0 126.6 189.8
115 58.7 53.0 79.4



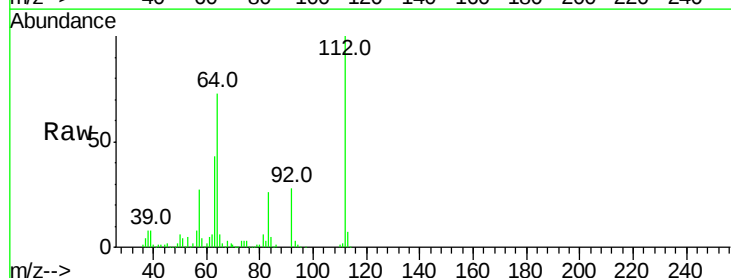
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



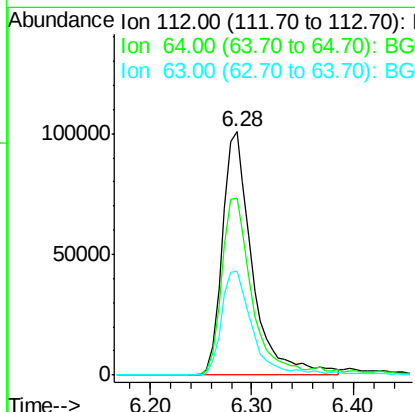
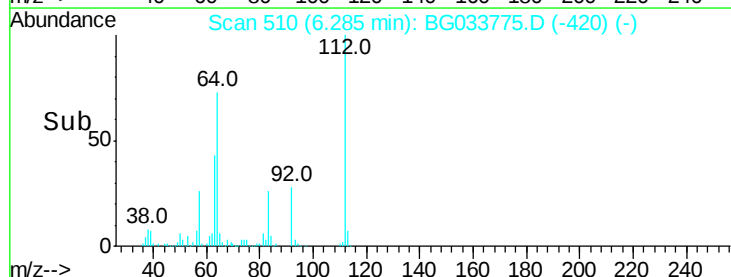
#5

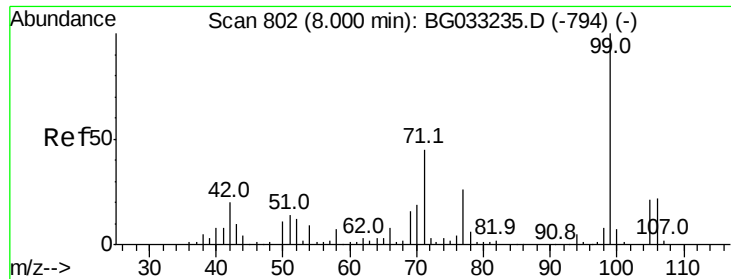
2-Fluorophenol
Concen: 125.966 ng
RT: 6.28 min Scan# 510
Delta R.T. 0.00 min
Lab File: BG033775.D
Acq: 12 Apr 2018 16:46

Tgt Ion:112 Resp: 205993
Ion Ratio Lower Upper
112 100
64 72.6 56.3 84.5
63 42.7 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: 98.541 ng

RT: 7.97 min Scan# 796

Delta R.T. -0.00 min

Lab File: BG033775.D

Acq: 12 Apr 2018 16:46

Instrument :

BNA_G

ClientSampleId :

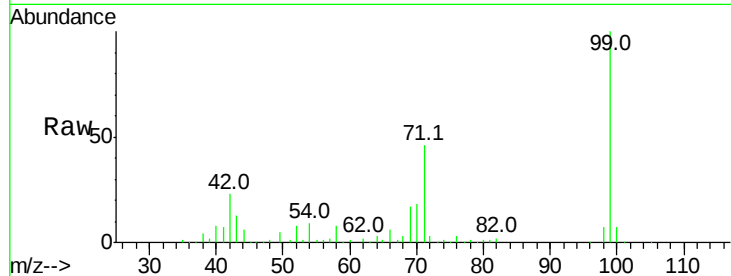
Tot Ion: 99 Resp: 276879

Ion Ratio Lower Upper

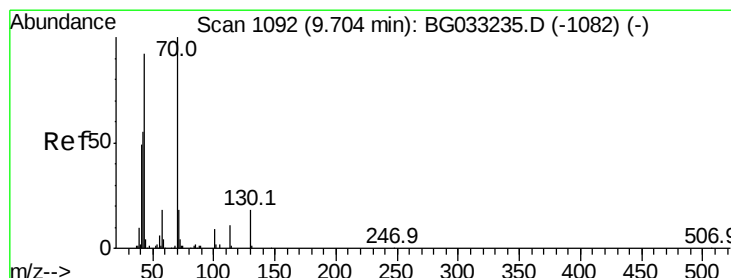
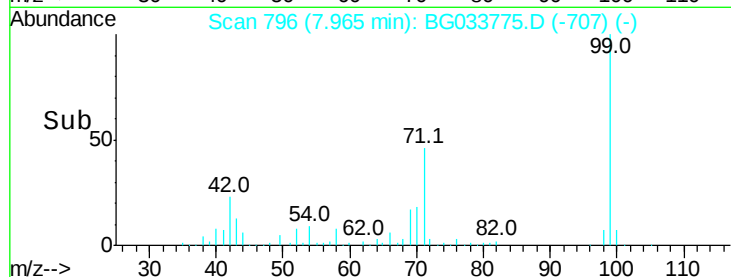
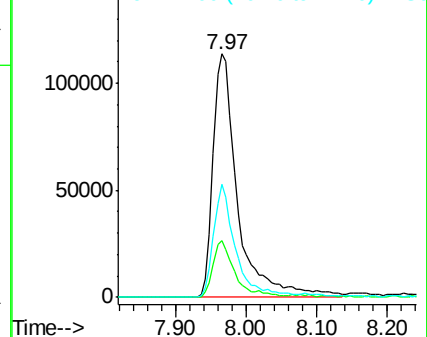
99 100

42 23.2 14.1 21.1#

71 46.3 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



#19

n-Nitroso-di-n-propylamine

Concen: 14.161 ng

RT: 10.06 min Scan# 1152

Delta R.T. 0.39 min

Lab File: BG033775.D

Acq: 12 Apr 2018 16:46

Tgt Ion: 70 Resp: 29157

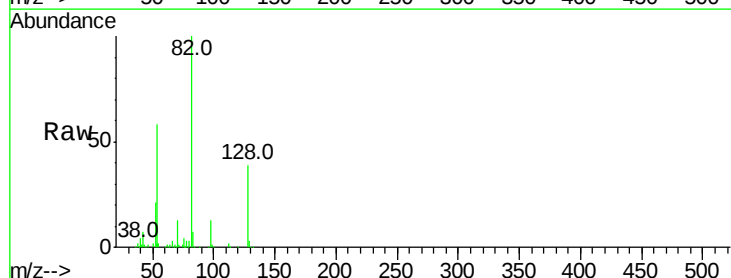
Ion Ratio Lower Upper

70 100

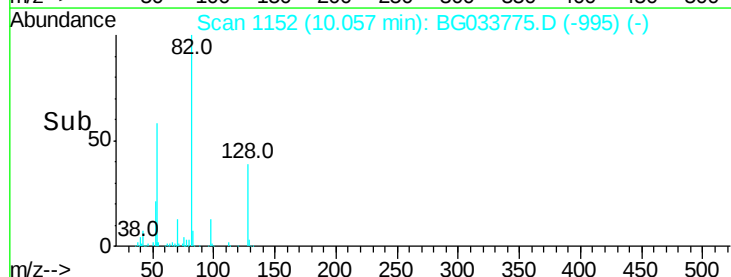
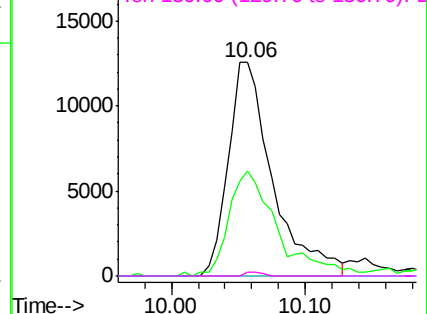
42 49.0 49.1 73.7#

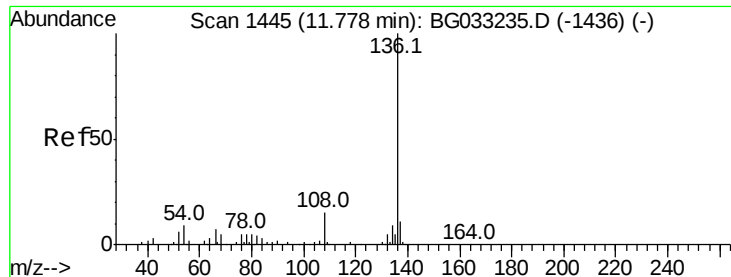
101 0.0 8.5 12.7#

130 2.1 13.4 20.0#



Abundance Ion 70.00 (69.70 to 70.70): BGC
Ion 42.00 (41.70 to 42.70): BGC
Ion 101.00 (100.70 to 101.70): BGC
Ion 130.00 (129.70 to 130.70): BGC





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 11.74 min Scan# 1438

Delta R.T. 0.00 min

Lab File: BG033775.D

Acq: 12 Apr 2018 16:46

Instrument :

BNA_G

ClientSampleId :

Tot Ion:136 Resp: 127495

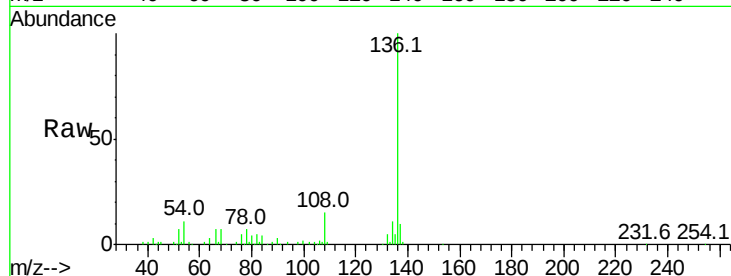
Ion Ratio Lower Upper

136 100

137 10.0 9.2 13.8

54 10.8 10.3 15.5

68 6.6 4.5 6.7

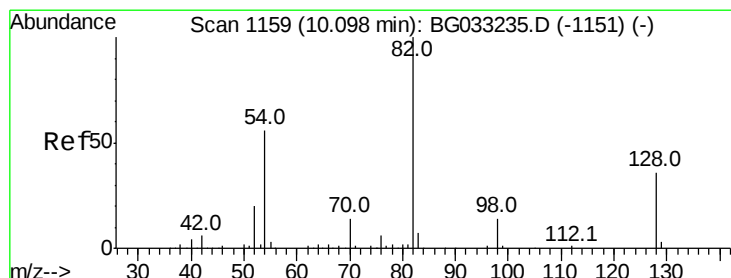
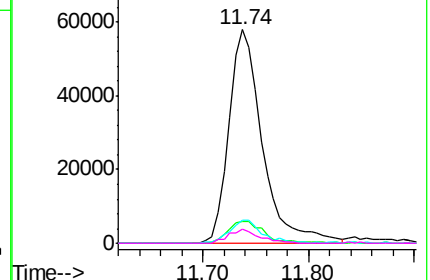
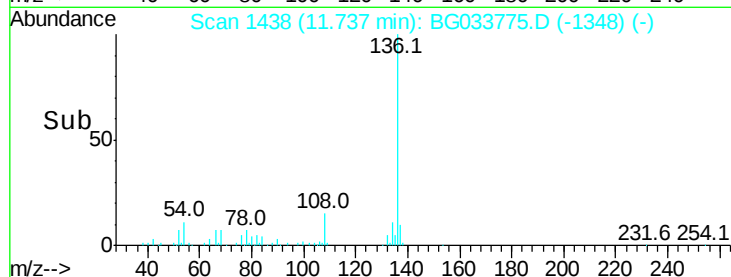


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BGC

Ion 68.00 (67.70 to 68.70): BGC



#23

Nitrobenzene-d5

Concen: 84.139 ng

RT: 10.06 min Scan# 1152

Delta R.T. 0.00 min

Lab File: BG033775.D

Acq: 12 Apr 2018 16:46

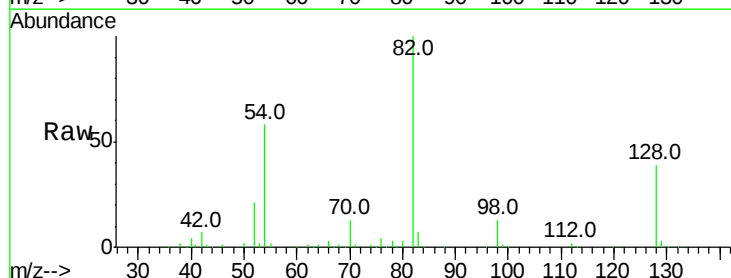
Tgt Ion: 82 Resp: 233487

Ion Ratio Lower Upper

82 100

128 38.6 29.7 44.5

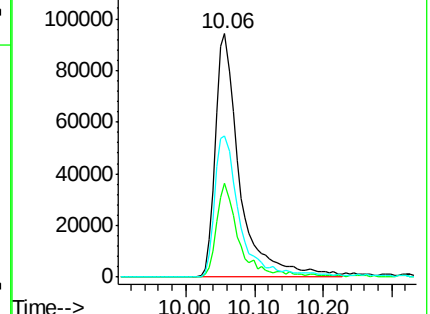
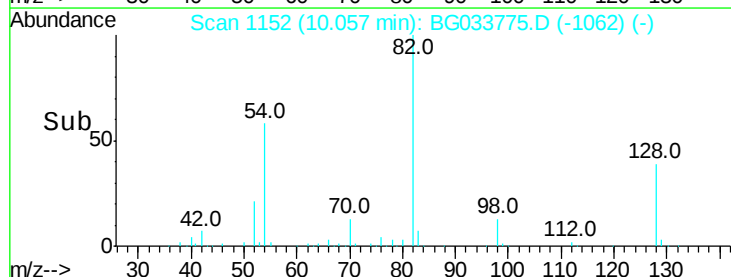
54 58.0 43.1 64.7

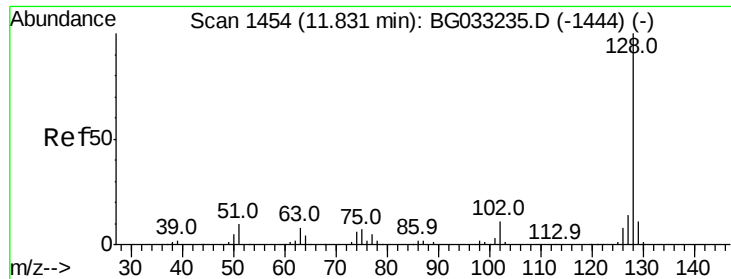


Abundance Ion 82.00 (81.70 to 82.70): BGC

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BGC

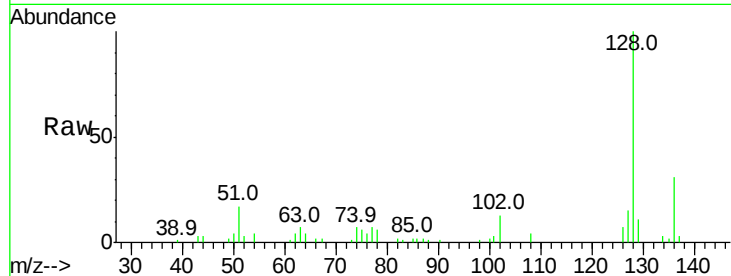




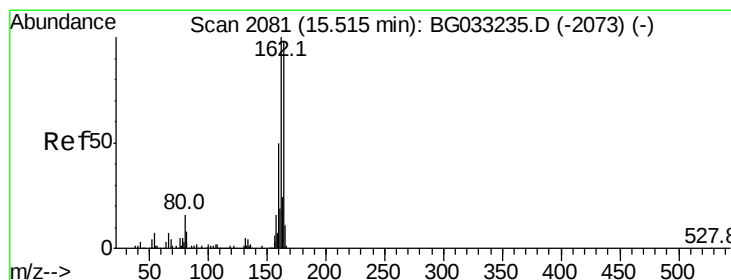
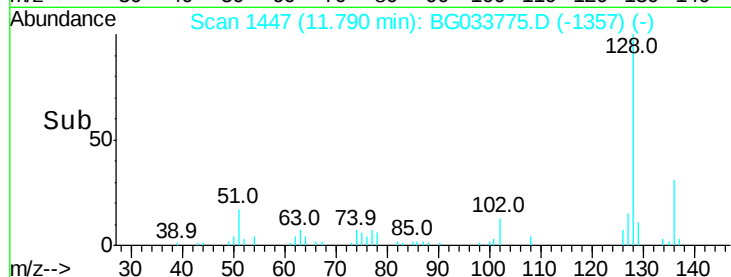
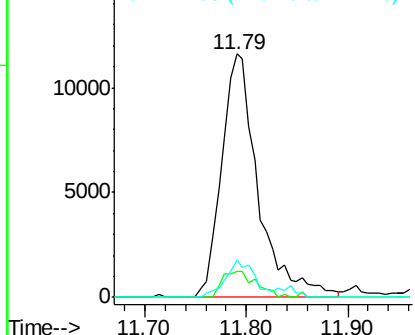
#31
Naphthalene
Concen: 4.385 ng
RT: 11.79 min Scan# 1447
Delta R.T. 0.00 min
Lab File: BG033775.D
Acq: 12 Apr 2018 16:46

Instrument :
BNA_G
ClientSampleId :

Tot Ion:128 Resp: 28969
Ion Ratio Lower Upper
128 100
129 10.7 8.6 12.8
127 15.2 11.6 17.4

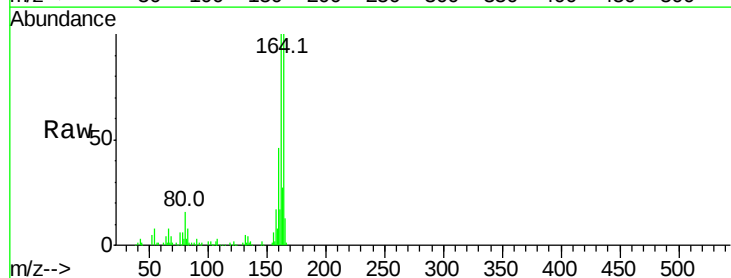


Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E

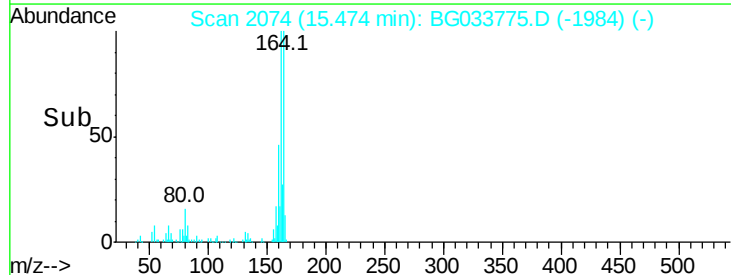
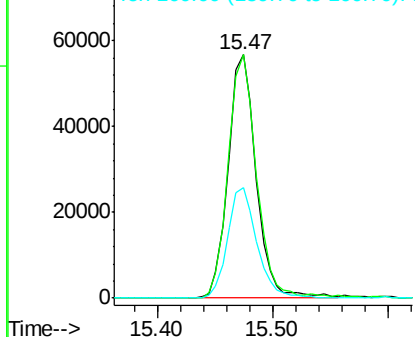


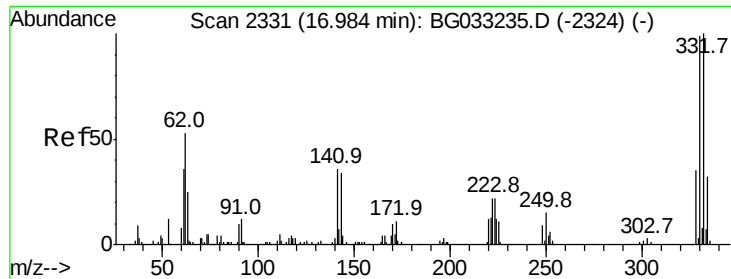
#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 15.47 min Scan# 2074
Delta R.T. 0.00 min
Lab File: BG033775.D
Acq: 12 Apr 2018 16:46

Tgt Ion:164 Resp: 95467
Ion Ratio Lower Upper
164 100
162 100.0 78.8 118.2
160 45.5 35.4 53.0



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

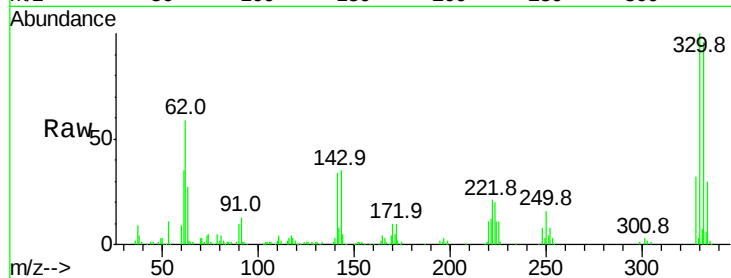




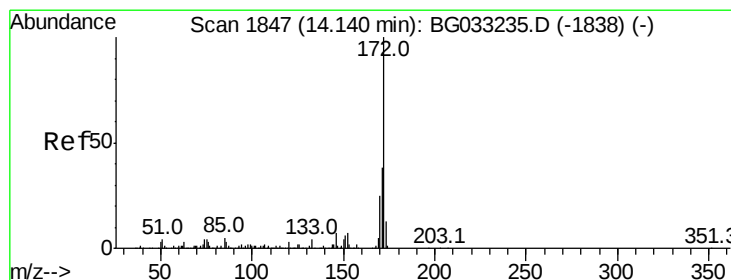
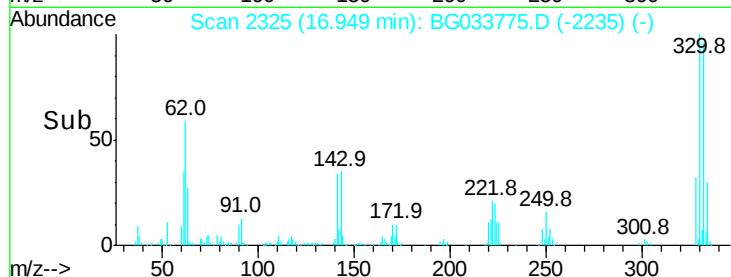
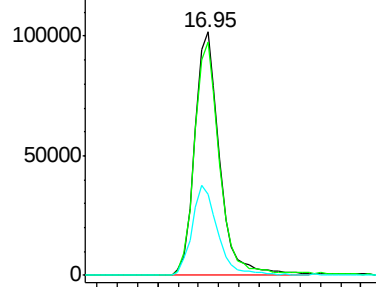
#41
 2,4,6-Tribromophenol
 Concen: 121.139 ng
 RT: 16.95 min Scan# 2325
 Delta R.T. 0.00 min
 Lab File: BG033775.D
 Acq: 12 Apr 2018 16:46

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	95.9	77.0	115.6
141	37.7	25.2	37.8

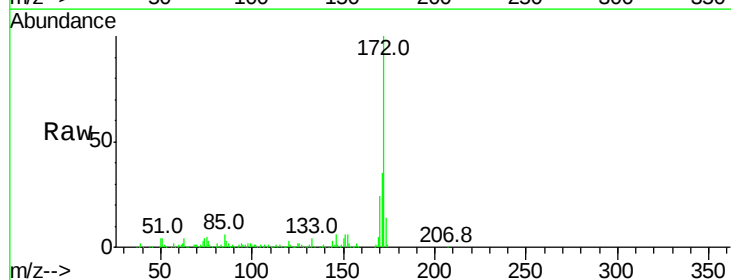


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

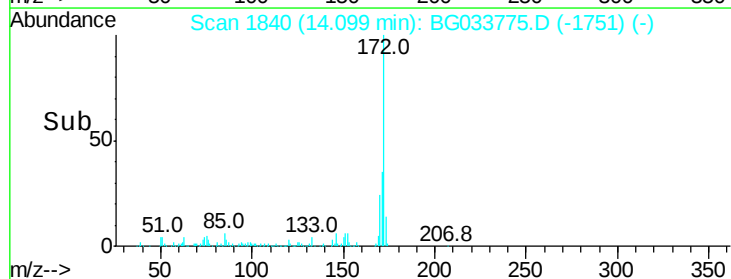
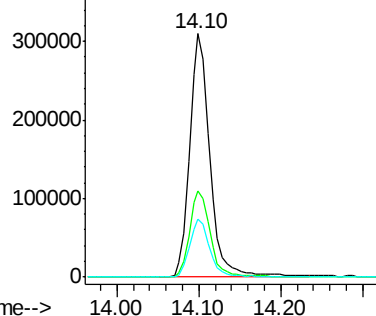


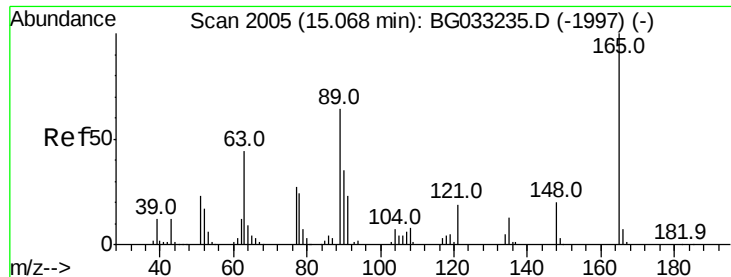
#44
 2-Fluorobiphenyl
 Concen: 80.771 ng
 RT: 14.10 min Scan# 1840
 Delta R.T. -0.00 min
 Lab File: BG033775.D
 Acq: 12 Apr 2018 16:46

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.4	30.0	45.0
170	23.9	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

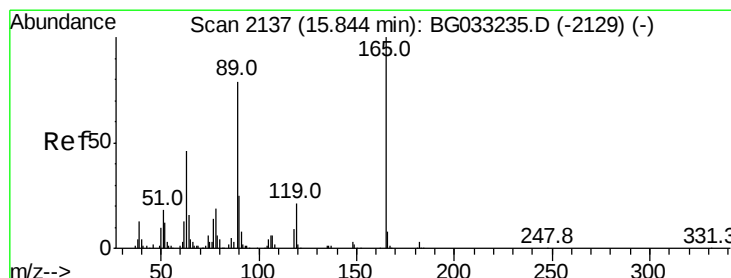
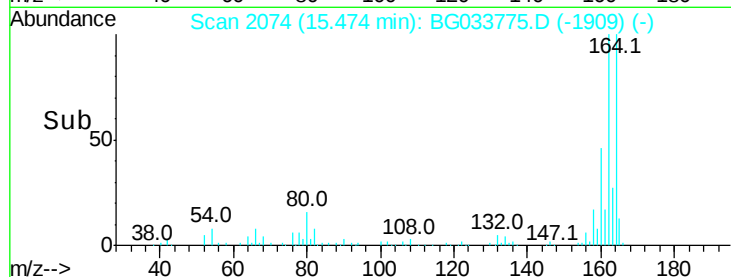
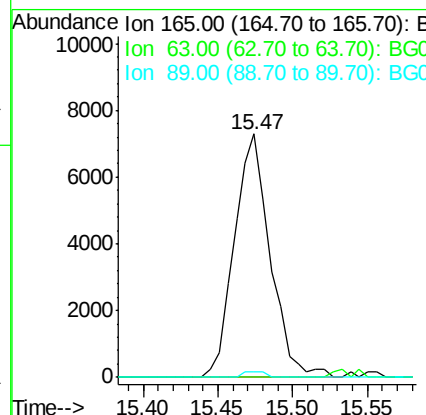
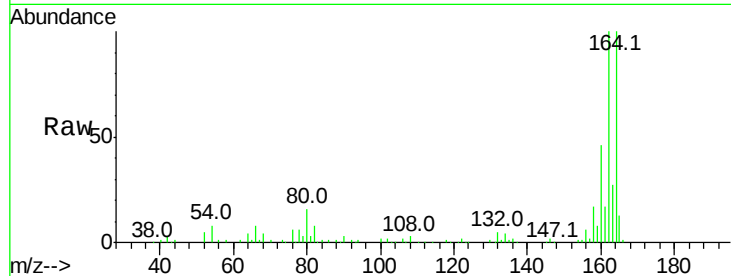




#50
 2,6-Dinitrotoluene
 Concen: 7.168 ng
 RT: 15.47 min Scan# 2074
 Delta R.T. 0.44 min
 Lab File: BG033775.D
 Acq: 12 Apr 2018 16:46

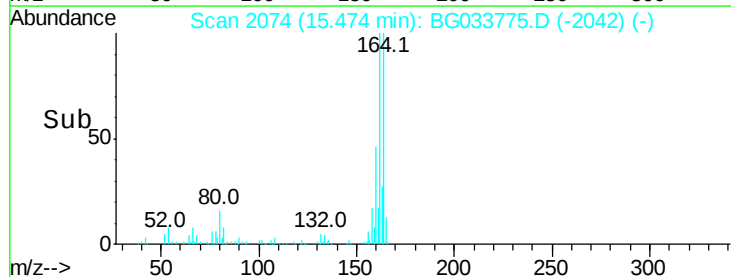
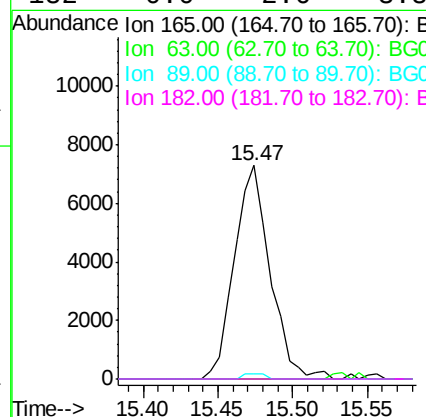
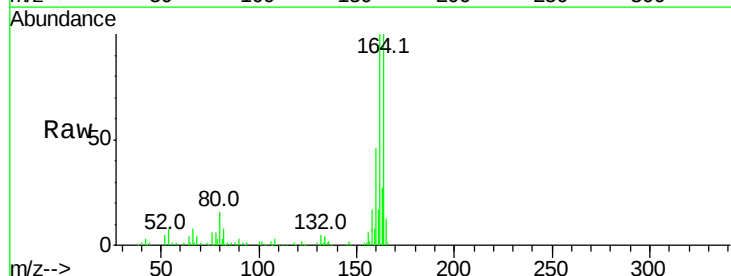
Instrument :
 BNA_G
 ClientSampleId :

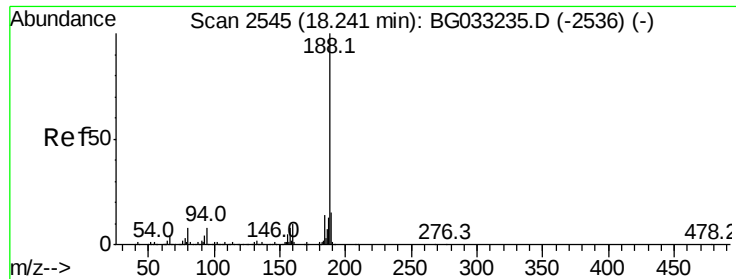
Tot Ion	Ratio	Lower	Upper
165	100		
63	0.0	52.7	79.1#
89	2.3	49.2	73.8#



#56
 2,4-Dinitrotoluene
 Concen: 4.868 ng
 RT: 15.47 min Scan# 2074
 Delta R.T. -0.34 min
 Lab File: BG033775.D
 Acq: 12 Apr 2018 16:46

Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.0	42.0	63.0#
89	2.3	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: BG033775.D

Acq: 12 Apr 2018 16:46

Instrument :

BNA_G

ClientSampleId :

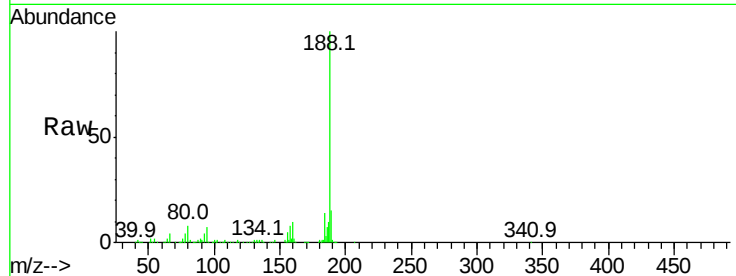
Tot Ion:188 Resp: 271103

Ion Ratio Lower Upper

188 100

94 6.6 6.9 10.3#

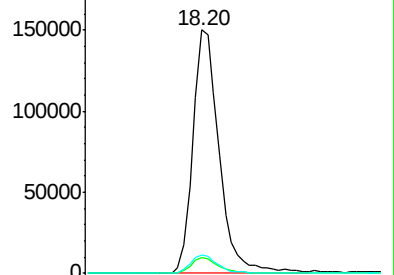
80 7.7 7.7 11.5



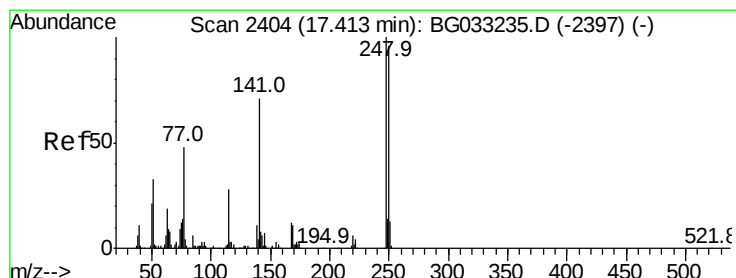
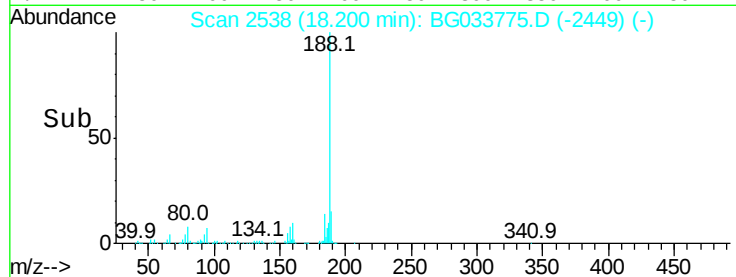
Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC



Time-->



#66

4-Bromophenyl-phenylether

Concen: 4.125 ng

RT: 16.95 min Scan# 2325

Delta R.T. -0.43 min

Lab File: BG033775.D

Acq: 12 Apr 2018 16:46

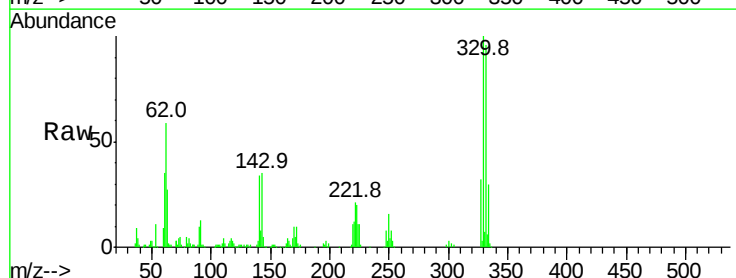
Tgt Ion:248 Resp: 13135

Ion Ratio Lower Upper

248 100

250 200.7 77.1 115.7#

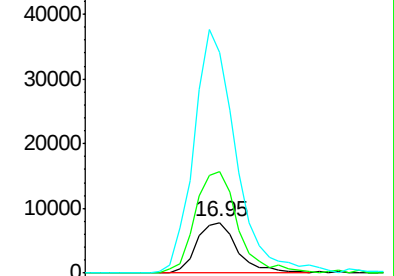
141 434.2 50.8 76.2#



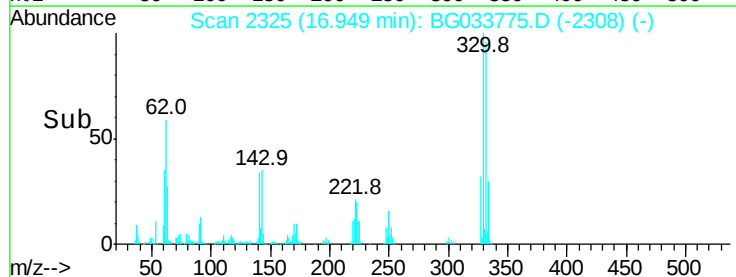
Abundance Ion 248.00 (247.70 to 248.70): E

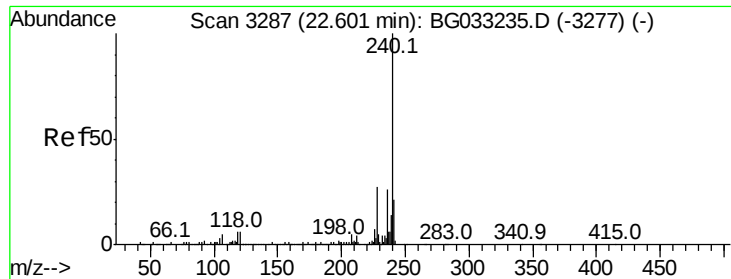
Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E



Time-->





#75

Chrysene-d12

Concen: 20.000 ng

RT: 22.55 min Scan# 3278

Delta R.T. -0.00 min

Lab File: BG033775.D

Acq: 12 Apr 2018 16:46

Instrument :

BNA_G

ClientSampleId :

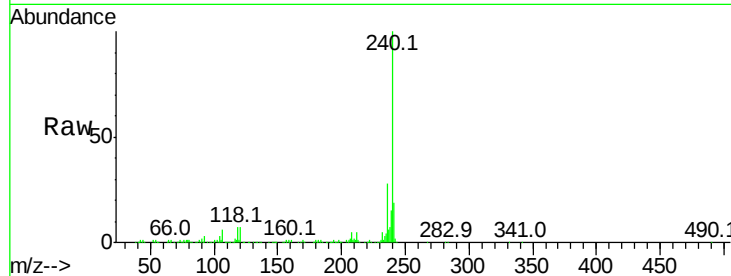
Tot Ion:240 Resp: 296459

Ion Ratio Lower Upper

240 100

120 6.9 6.8 10.2

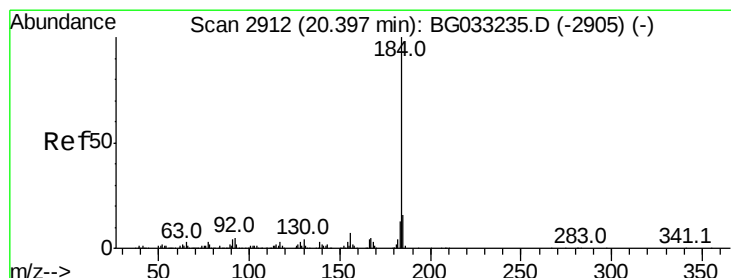
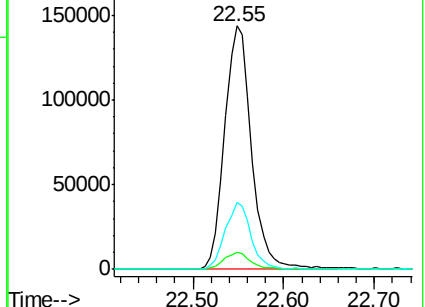
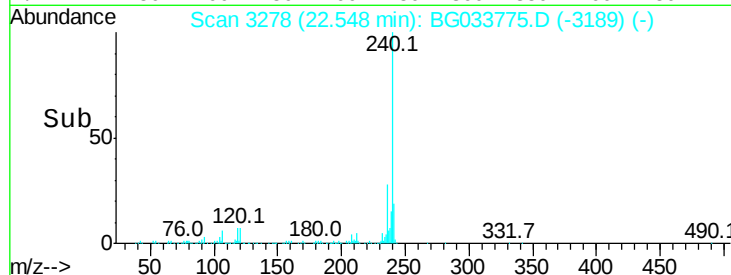
236 27.6 20.9 31.3



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: 2.533 ng

RT: 20.73 min Scan# 2968

Delta R.T. 0.37 min

Lab File: BG033775.D

Acq: 12 Apr 2018 16:46

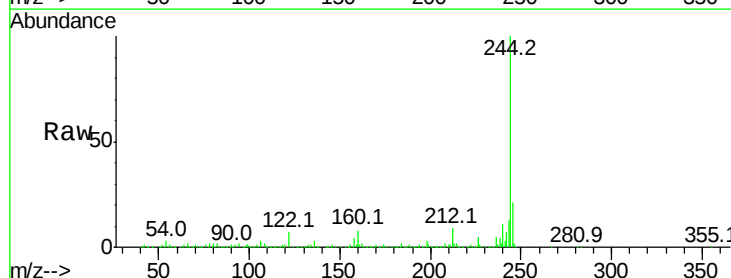
Tgt Ion:184 Resp: 20361

Ion Ratio Lower Upper

184 100

185 16.6 11.1 16.7

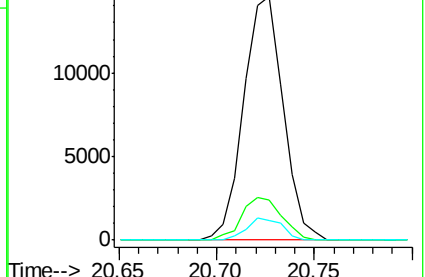
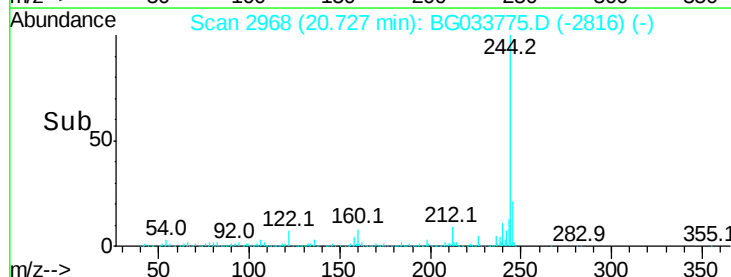
183 7.9 10.6 16.0#

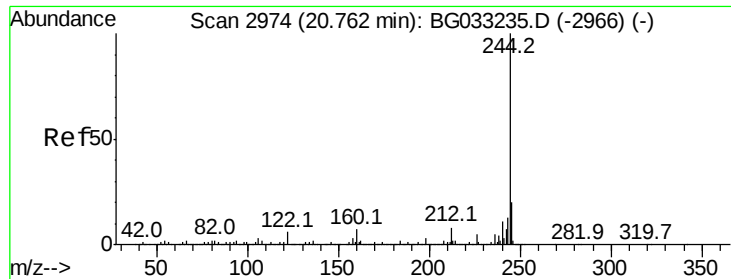


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E

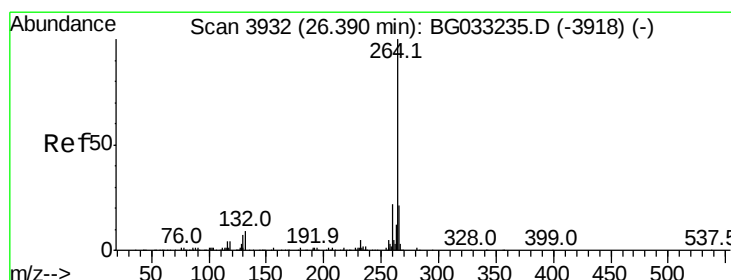
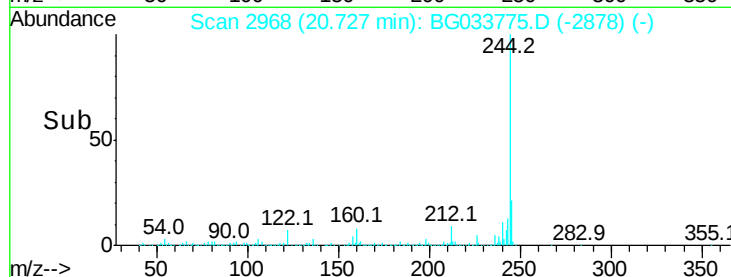
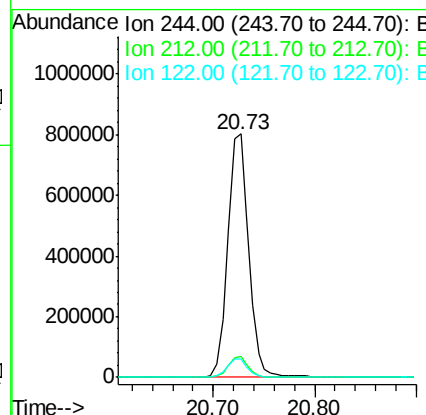
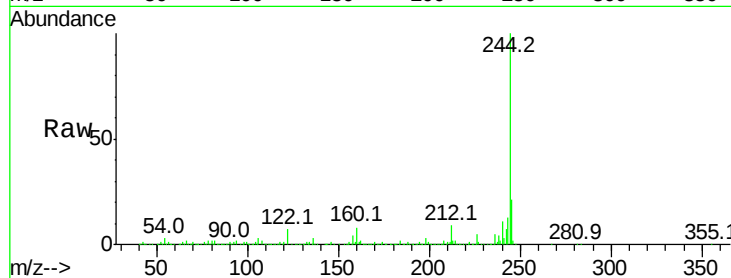




#78
 Terphenyl-d14
 Concen: 83.157 ng
 RT: 20.73 min Scan# 2968
 Delta R.T. 0.00 min
 Lab File: BG033775.D
 Acq: 12 Apr 2018 16:46

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:244 Resp: 1152737
 Ion Ratio Lower Upper
 244 100
 212 8.8 5.8 8.8#
 122 7.3 7.0 10.4



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 26.31 min Scan# 3918
 Delta R.T. 0.00 min
 Lab File: BG033775.D
 Acq: 12 Apr 2018 16:46

Tgt Ion:264 Resp: 314925
 Ion Ratio Lower Upper
 264 100
 260 23.5 17.4 26.0
 265 21.5 17.7 26.5

