

Data Path : Z:\HPCHEM1\BNA G\DATA\BG040618\
 Data File : BG033660.D
 Acq On : 7 Apr 2018 11:10
 Operator : SJ/JU
 Sample : J2225-05
 Misc :
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Apr 09 02:01:00 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

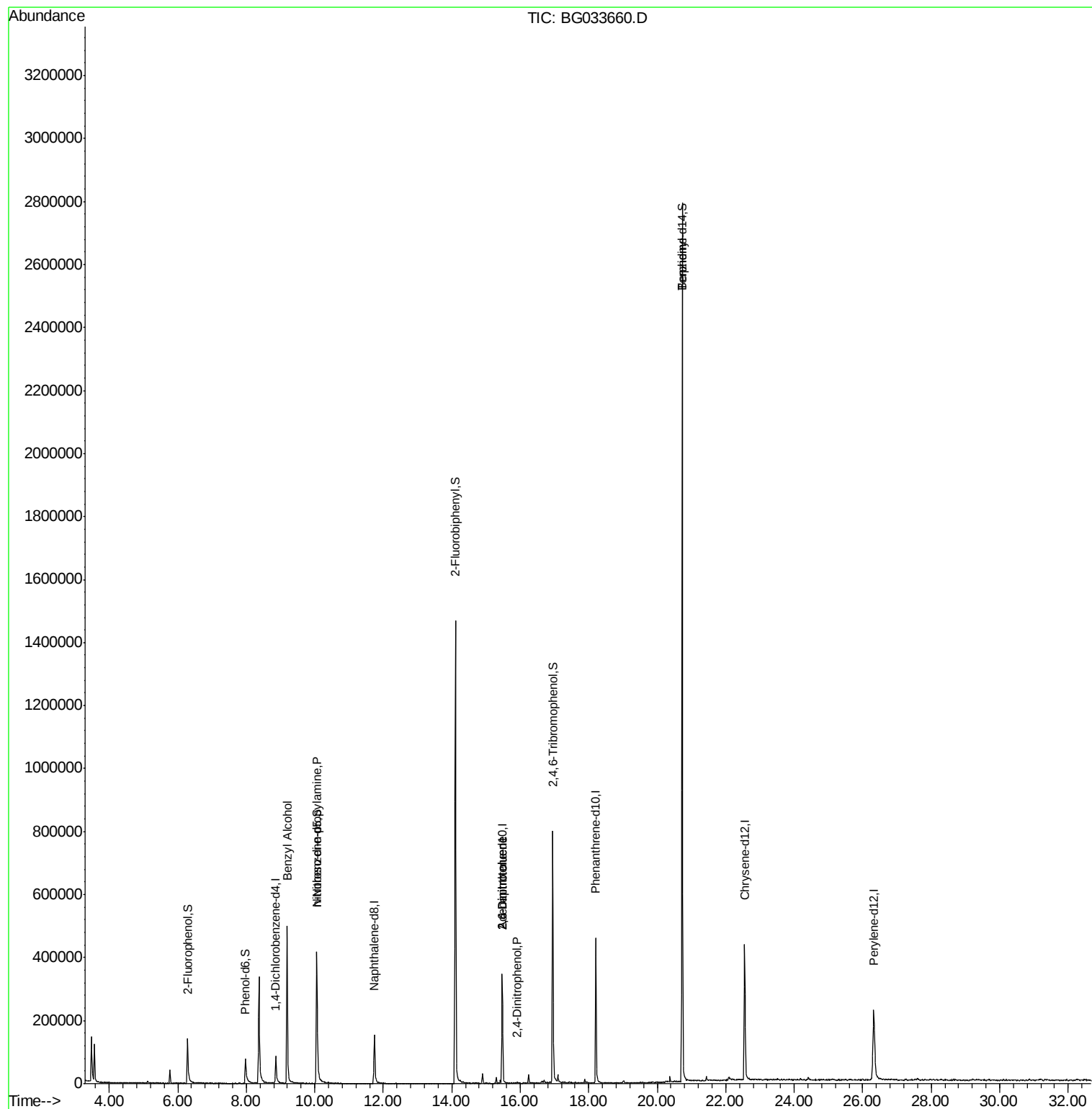
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.86	152	33975	20.00	ng	0.00
21) Naphthalene-d8	11.74	136	161234	20.00	ng	0.00
38) Acenaphthene-d10	15.47	164	130104	20.00	ng	0.00
63) Phenanthrene-d10	18.21	188	327081	20.00	ng	0.00
75) Chrysene-d12	22.55	240	328842	20.00	ng	0.00
86) Perylene-d12	26.32	264	331881	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	6.29	112	78353	43.24	ng	0.00
7) Phenol-d6	7.98	99	72773	23.38	ng	0.00
23) Nitrobenzene-d5	10.06	82	334188	95.23	ng	0.00
41) 2,4,6-Tribromophenol	16.95	330	152370	78.30	ng	0.00
44) 2-Fluorobiphenyl	14.11	172	829509	92.04	ng	0.00
78) Terphenyl-d14	20.73	244	1414497	91.99	ng	0.00
Target Compounds						
15) Benzyl Alcohol	9.19	79	5094	2.078	ng	# 39
19) n-Nitroso-di-n-propylamine	10.06	70	46738	20.488	ng	# 72
50) 2,6-Dinitrotoluene	15.47	165	15054	6.502	ng	# 18
53) 2,4-Dinitrophenol	15.90	184	75	7.699	ng	# 1
56) 2,4-Dinitrotoluene	15.47	165	15054	4.416	ng	# 16
76) Benzidine	20.73	184	24848	2.786	ng	# 88

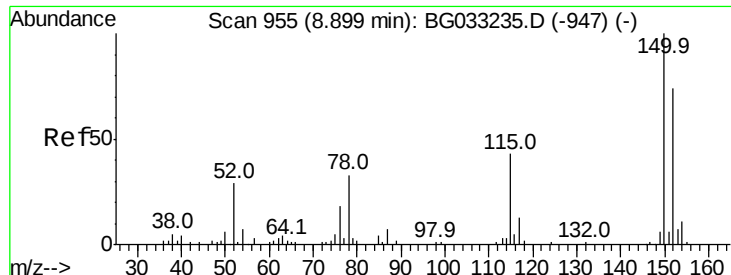
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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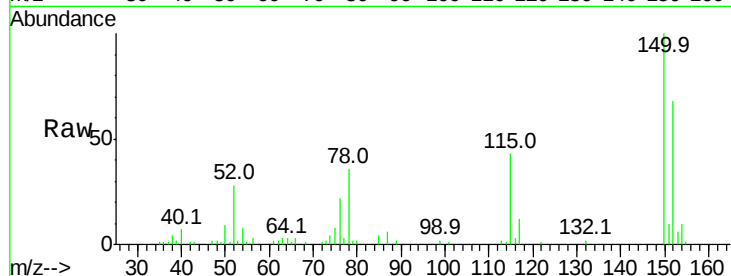


#1

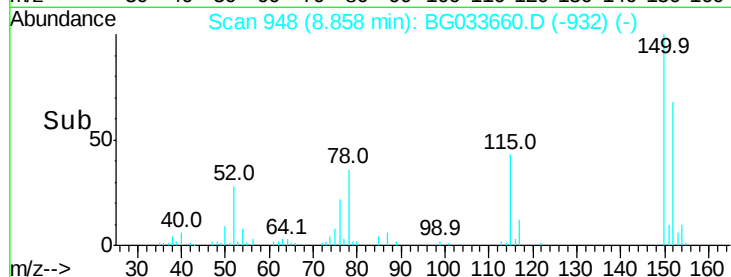
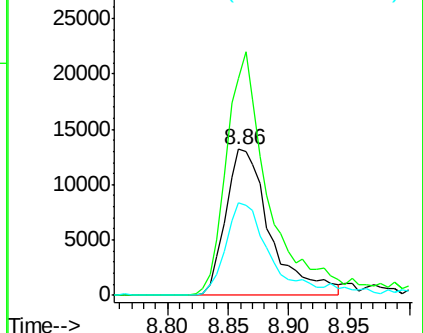
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.86 min Scan# 948
Delta R.T. -0.01 min
Lab File: BG033660.D
Acq: 7 Apr 2018 11:10

Instrument :
BNA_G
ClientSampled :

Tot Ion:152 Resp: 33975
Ion Ratio Lower Upper
152 100
150 147.7 126.6 189.8
115 62.9 53.0 79.4



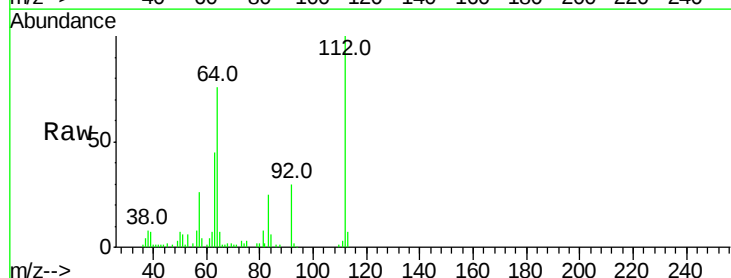
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



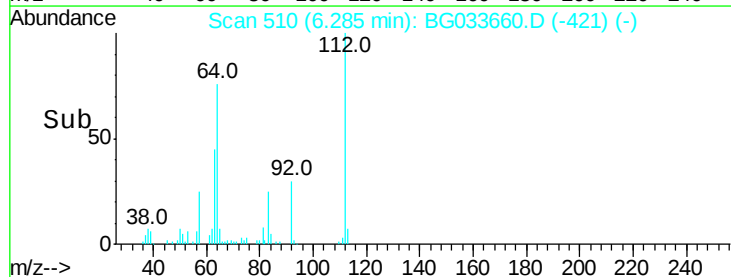
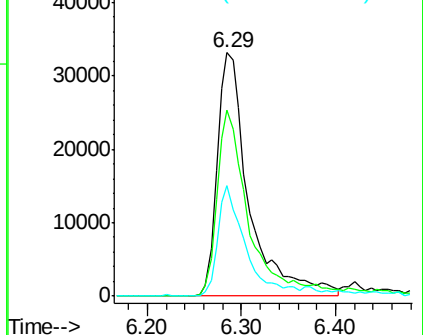
#5

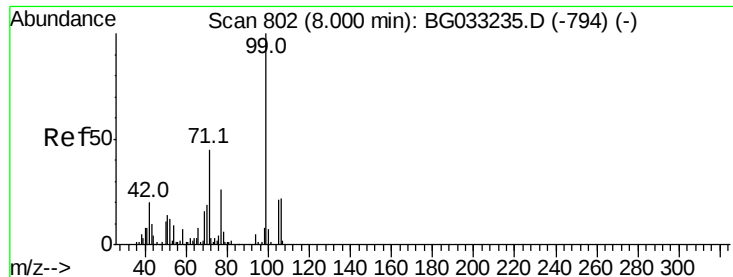
2-Fluorophenol
Concen: 43.244 ng
RT: 6.29 min Scan# 510
Delta R.T. -0.01 min
Lab File: BG033660.D
Acq: 7 Apr 2018 11:10

Tgt Ion:112 Resp: 78353
Ion Ratio Lower Upper
112 100
64 76.4 56.3 84.5
63 45.3 30.1 45.1#



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





#7

Phenol-d6

Concen: 23.376 ng

RT: 7.98 min Scan# 798

Delta R.T. 0.01 min

Lab File: BG033660.D

Acq: 7 Apr 2018 11:10

Instrument :

BNA_G

ClientSampleId :

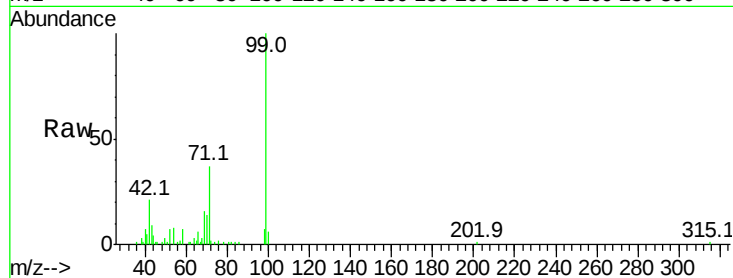
Tot Ion: 99 Resp: 72773

Ion Ratio Lower Upper

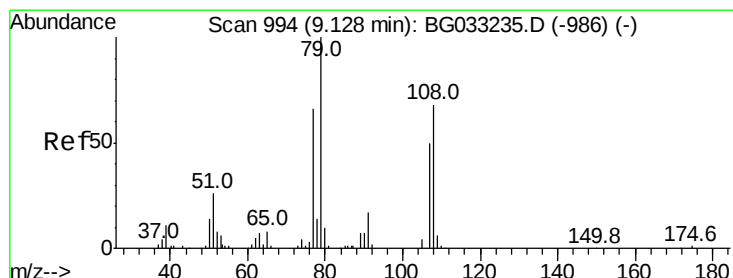
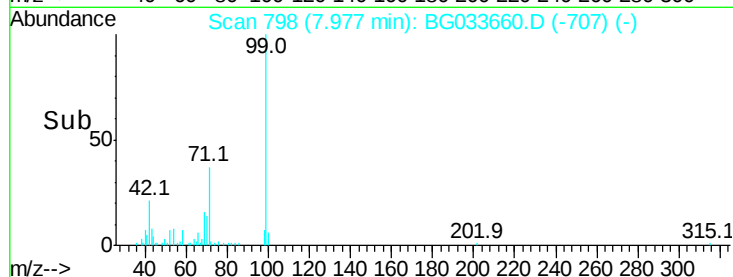
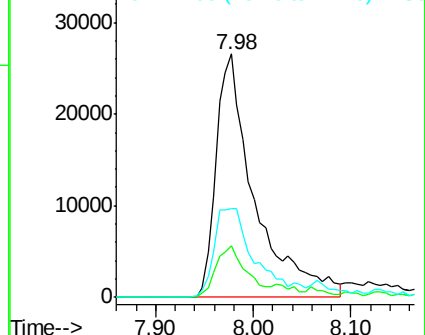
99 100

42 21.2 14.1 21.1#

71 36.6 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: 2.078 ng

RT: 9.19 min Scan# 1005

Delta R.T. 0.09 min

Lab File: BG033660.D

Acq: 7 Apr 2018 11:10

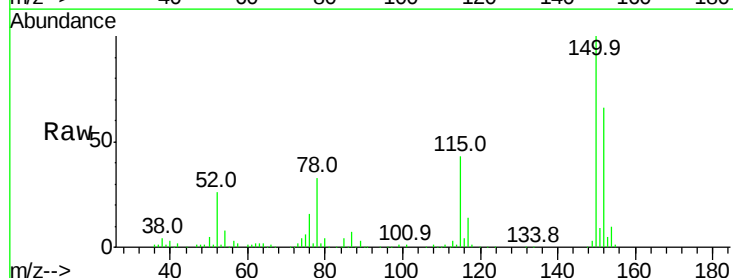
Tgt Ion: 79 Resp: 5094

Ion Ratio Lower Upper

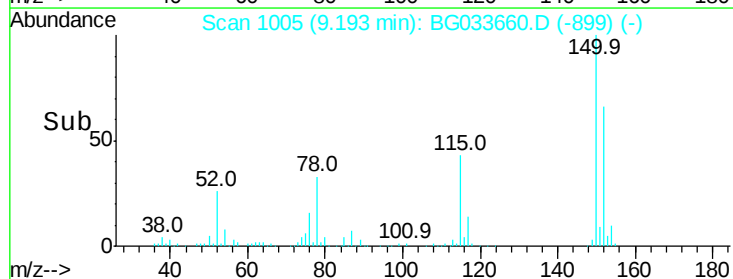
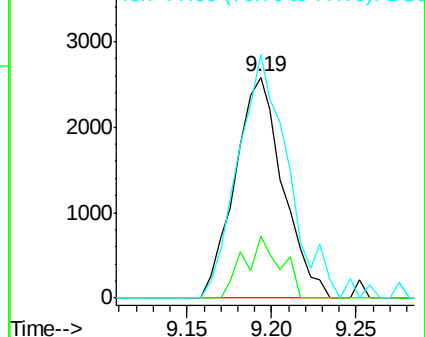
79 100

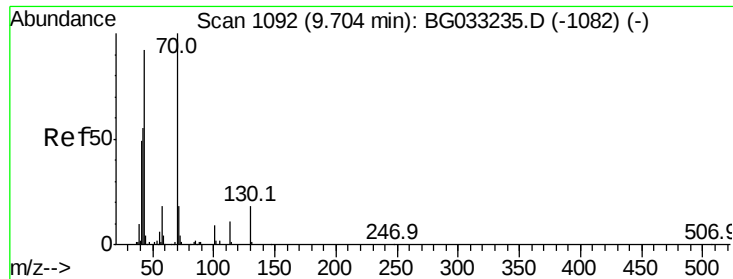
108 28.0 57.2 85.8#

77 110.3 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

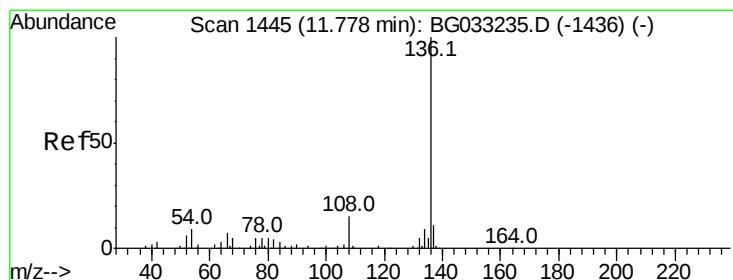
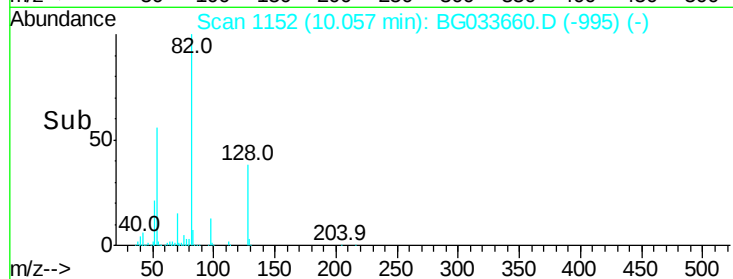
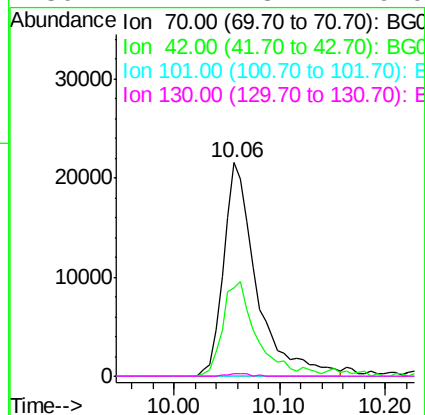
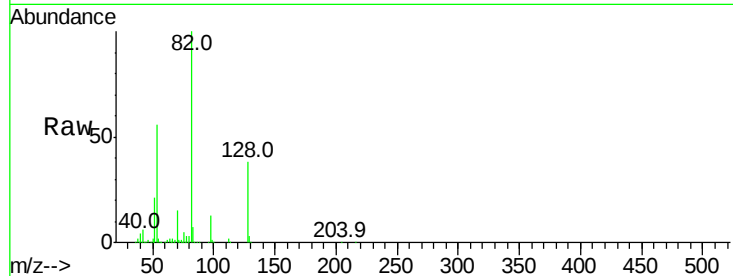




#19
 n-Nitroso-di-n-propylamine
 Concen: 20.488 ng
 RT: 10.06 min Scan# 1152
 Delta R.T. 0.39 min
 Lab File: BG033660.D
 Acq: 7 Apr 2018 11:10

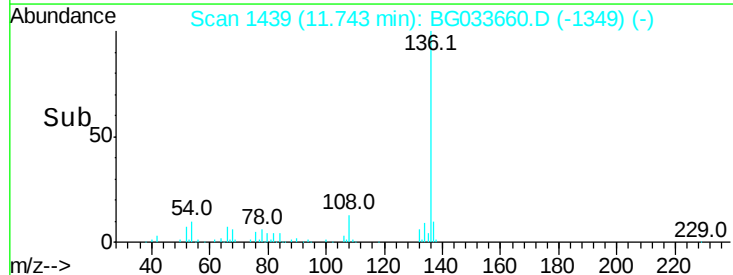
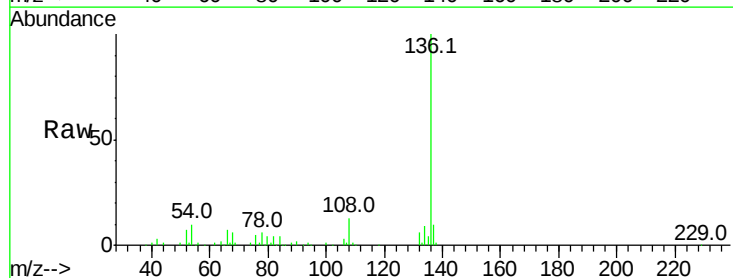
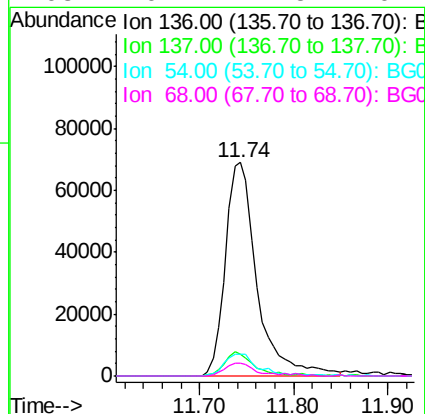
Instrument :
 BNA_G
 ClientSampleId :

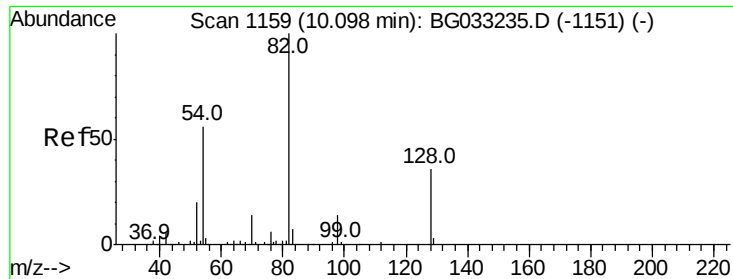
Tot Ion: 70 Resp: 46738
 Ion Ratio Lower Upper
 70 100
 42 41.2 49.1 73.7#
 101 0.0 8.5 12.7#
 130 1.2 13.4 20.0#



#21
 Naphthalene-d8
 Concen: 20.000 ng
 RT: 11.74 min Scan# 1439
 Delta R.T. 0.00 min
 Lab File: BG033660.D
 Acq: 7 Apr 2018 11:10

Tgt Ion: 136 Resp: 161234
 Ion Ratio Lower Upper
 136 100
 137 10.4 9.2 13.8
 54 10.1 10.3 15.5#
 68 6.2 4.5 6.7

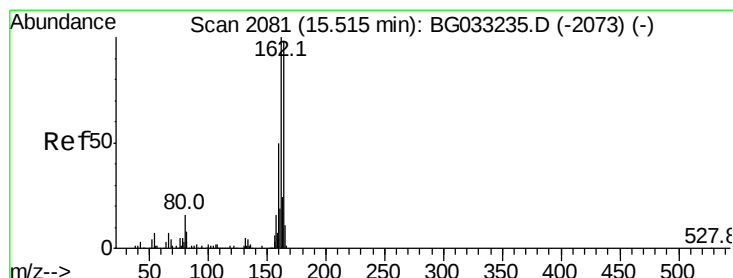
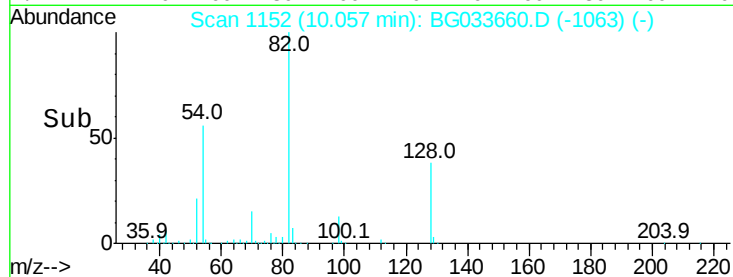
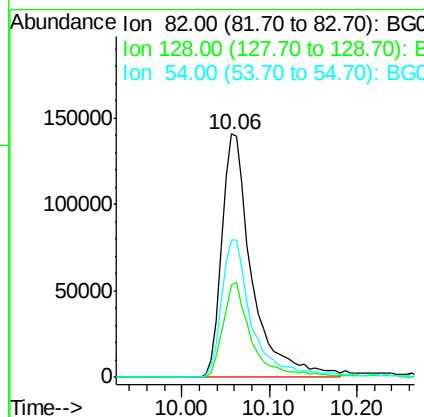
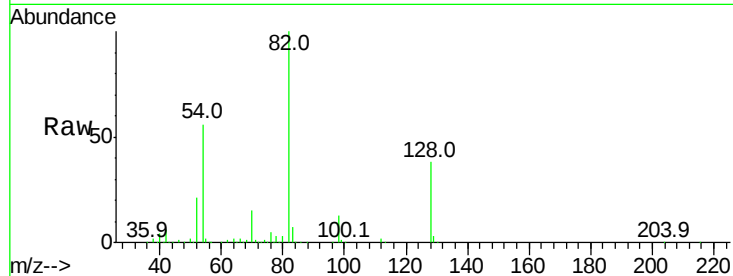




#23
 Nitrobenzene-d5
 Concen: 95.228 ng
 RT: 10.06 min Scan# 1152
 Delta R.T. -0.01 min
 Lab File: BG033660.D
 Acq: 7 Apr 2018 11:10

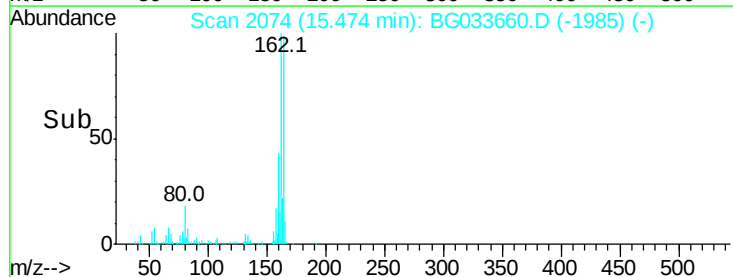
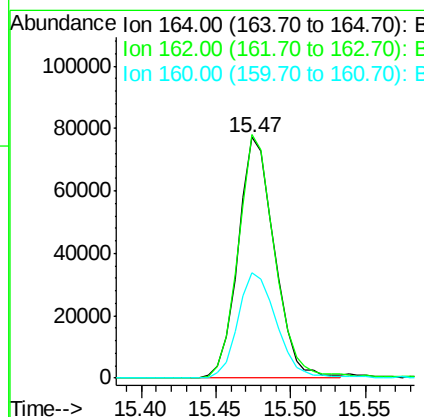
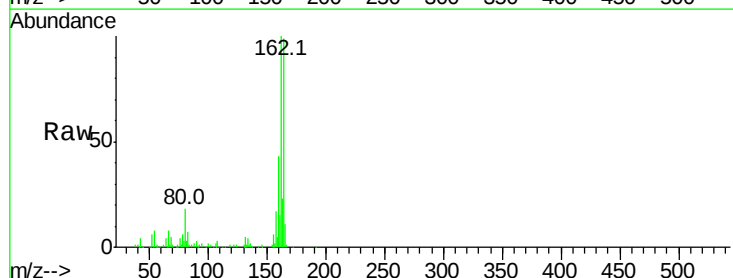
Instrument :
 BNA_G
 ClientSampleId :

Tot Ion: 82 Resp: 334188
 Ion Ratio Lower Upper
 82 100
 128 38.1 29.7 44.5
 54 56.4 43.1 64.7



#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 15.47 min Scan# 2074
 Delta R.T. -0.01 min
 Lab File: BG033660.D
 Acq: 7 Apr 2018 11:10

Tgt Ion: 164 Resp: 130104
 Ion Ratio Lower Upper
 164 100
 162 101.2 78.8 118.2
 160 43.9 35.4 53.0

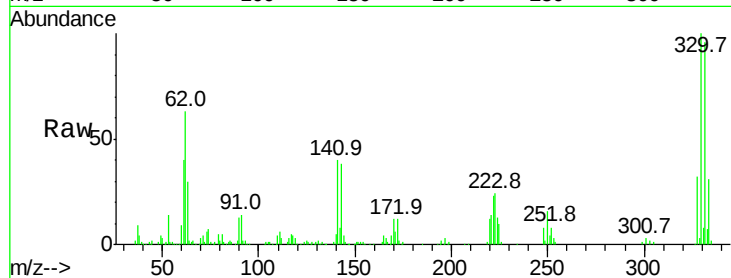




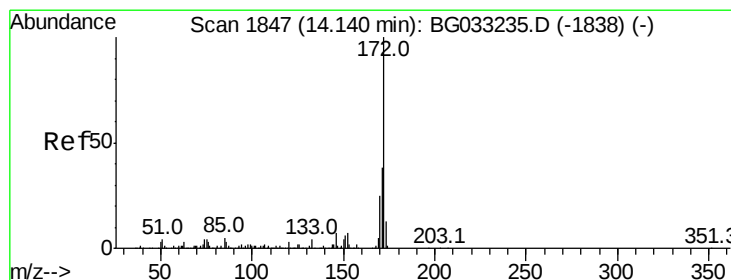
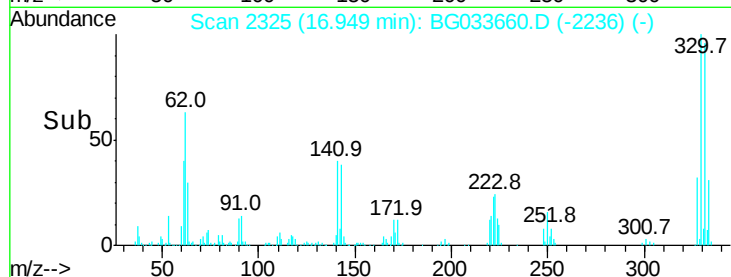
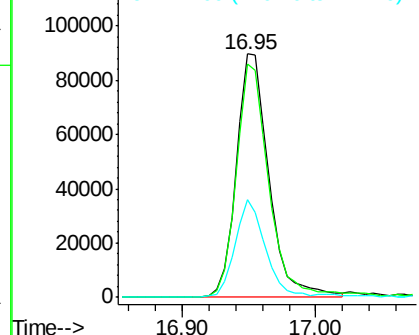
#41
 2,4,6-Tribromophenol
 Concen: 78.305 ng
 RT: 16.95 min Scan# 2325
 Delta R.T. -0.01 min
 Lab File: BG033660.D
 Acq: 7 Apr 2018 11:10

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:330 Resp: 152370
 Ion Ratio Lower Upper
 330 100
 332 96.4 77.0 115.6
 141 38.3 25.2 37.8#

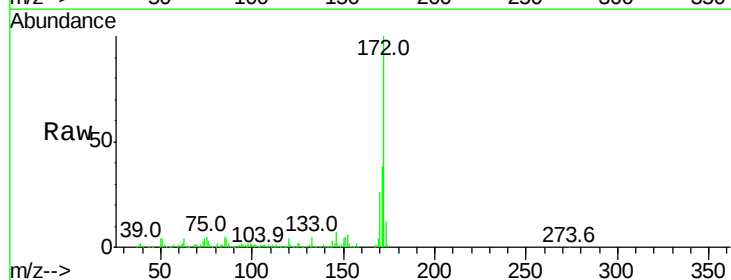


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

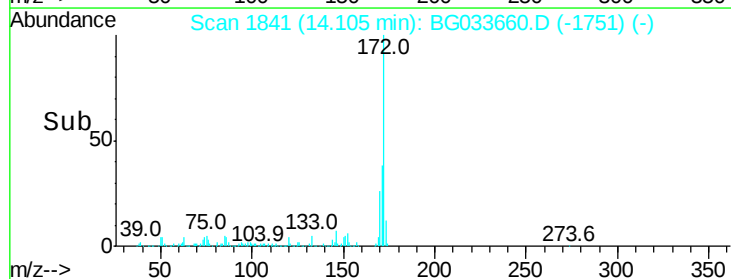
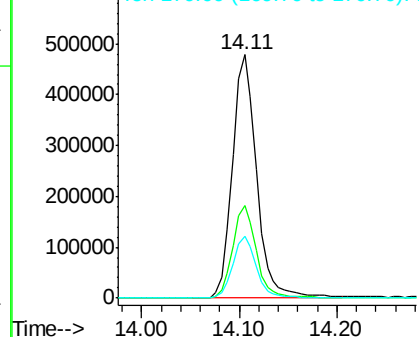


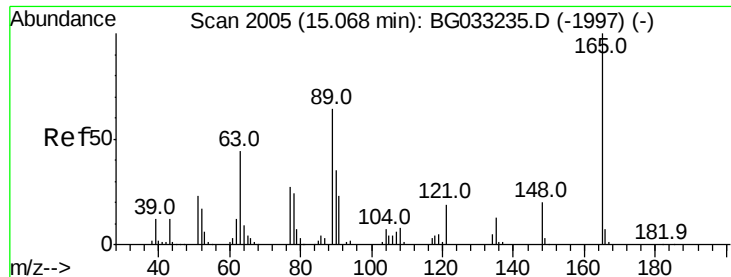
#44
 2-Fluorobiphenyl
 Concen: 92.042 ng
 RT: 14.11 min Scan# 1841
 Delta R.T. 0.00 min
 Lab File: BG033660.D
 Acq: 7 Apr 2018 11:10

Tgt Ion:172 Resp: 829509
 Ion Ratio Lower Upper
 172 100
 171 37.9 30.0 45.0
 170 25.5 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

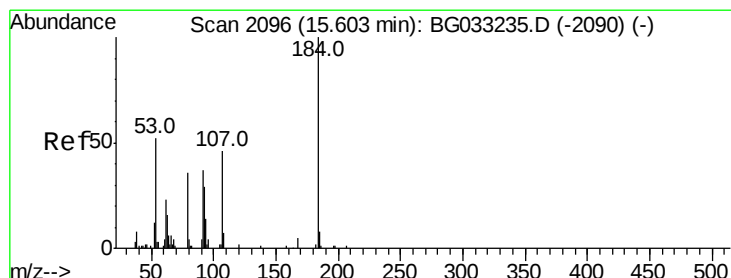
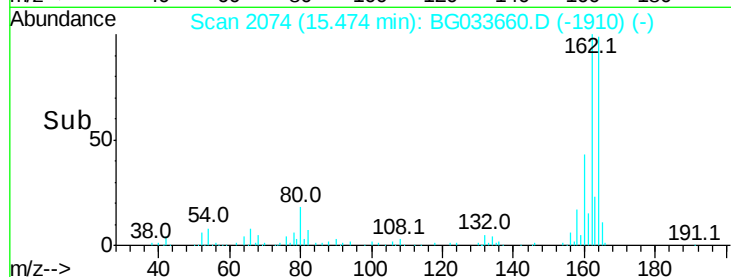
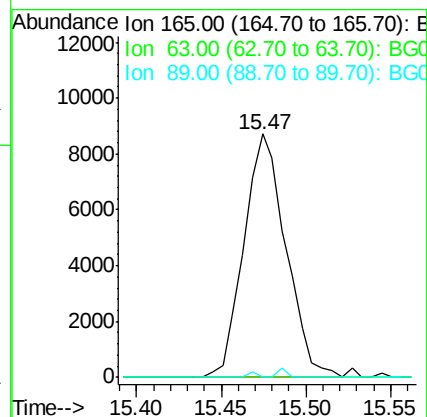
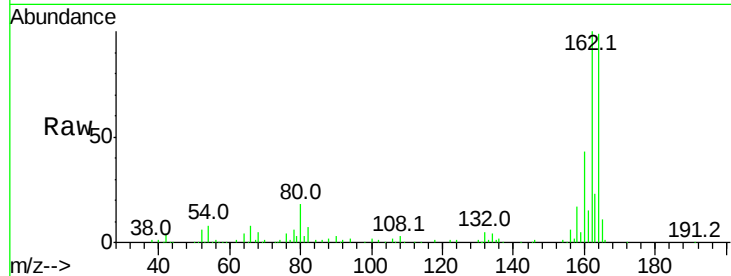




#50
 2,6-Dinitrotoluene
 Concen: 6.502 ng
 RT: 15.47 min Scan# 2074
 Delta R.T. 0.44 min
 Lab File: BG033660.D
 Acq: 7 Apr 2018 11:10

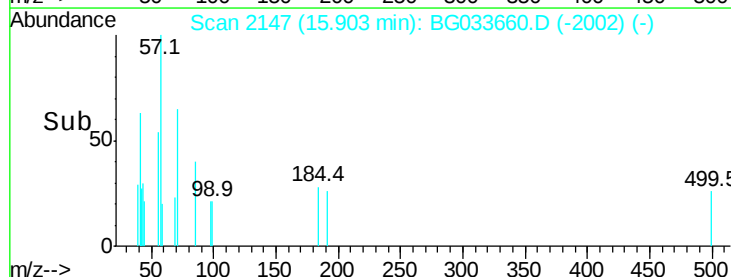
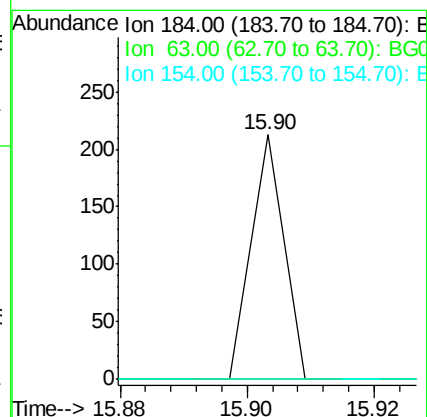
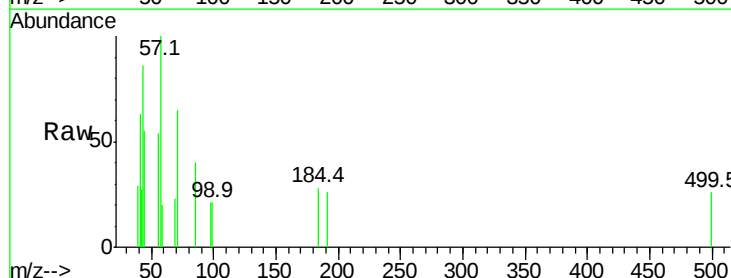
Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:165 Resp: 15054
 Ion Ratio Lower Upper
 165 100
 63 0.0 52.7 79.1#
 89 0.0 49.2 73.8#



#53
 2,4-Dinitrophenol
 Concen: 7.699 ng
 RT: 15.90 min Scan# 2147
 Delta R.T. 0.32 min
 Lab File: BG033660.D
 Acq: 7 Apr 2018 11:10

Tgt Ion:184 Resp: 75
 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: 4.416 ng

RT: 15.47 min Scan# 2074

Delta R.T. -0.34 min

Lab File: BG033660.D

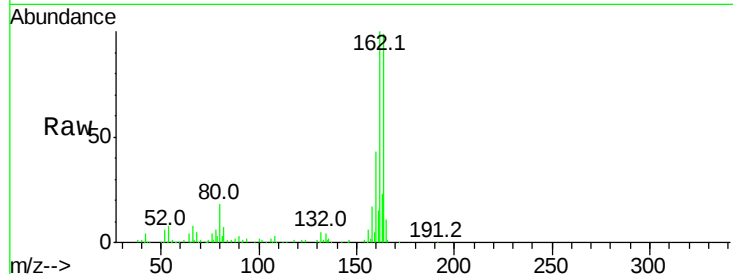
Acq: 7 Apr 2018 11:10

Instrument :

BNA_G

ClientSampleId :

Tot Ion:165	Resp:	15054
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#

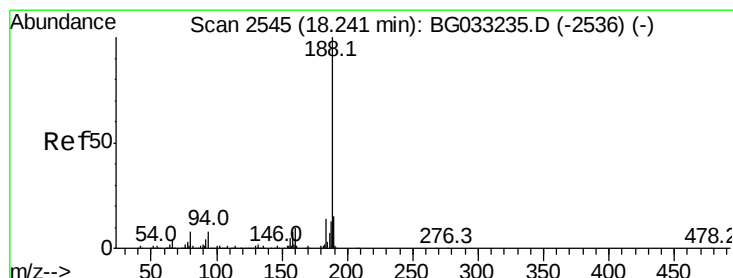
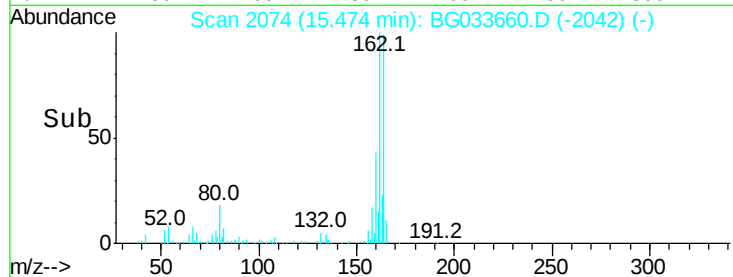
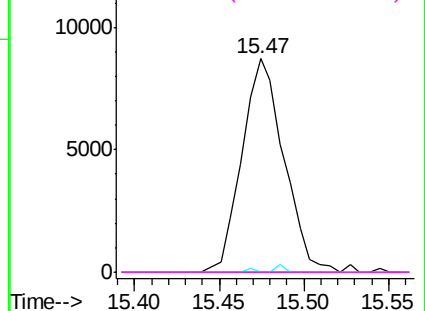


Abundance Ion 165.00 (164.70 to 165.70): E

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

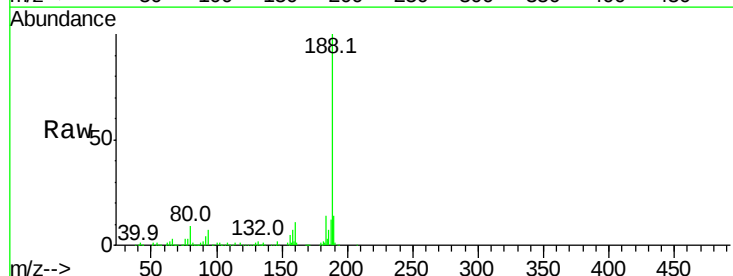
RT: 18.21 min Scan# 2539

Delta R.T. -0.01 min

Lab File: BG033660.D

Acq: 7 Apr 2018 11:10

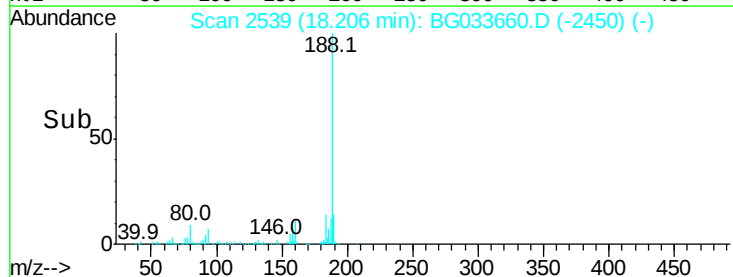
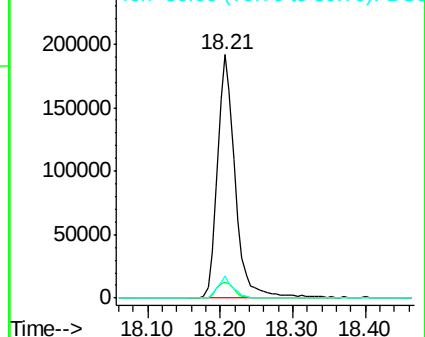
Tgt Ion:188	Resp:	327081
Ion Ratio	Lower	Upper
188	100	
94	6.6	6.9 10.3#
80	9.1	7.7 11.5

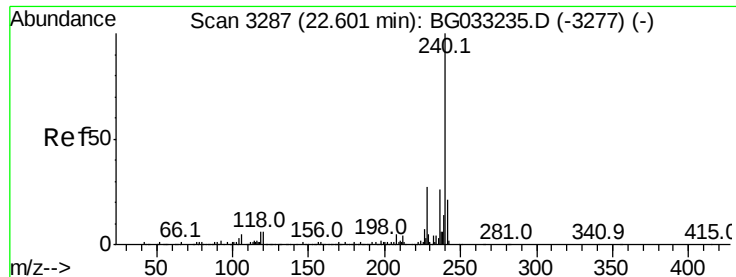


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC





#75

Chrysene-d12

Concen: 20.000 ng

RT: 22.55 min Scan# 3279

Delta R.T. -0.01 min

Lab File: BG033660.D

Acq: 7 Apr 2018 11:10

Instrument :

BNA_G

ClientSampleId :

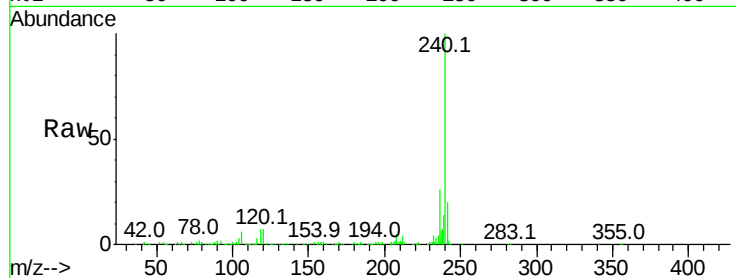
Tot Ion:240 Resp: 328842

Ion Ratio Lower Upper

240 100

120 6.6 6.8 10.2#

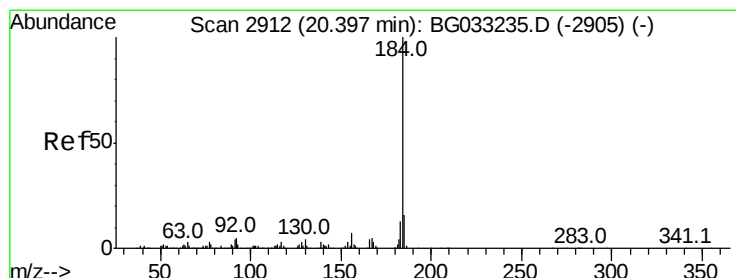
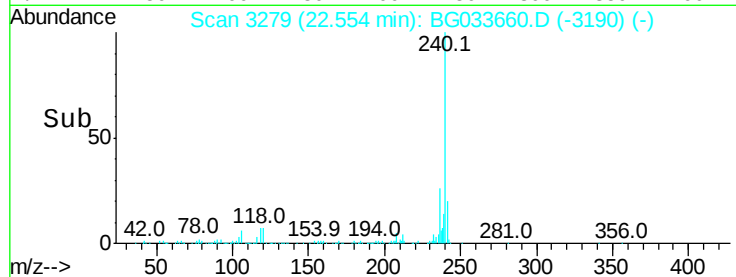
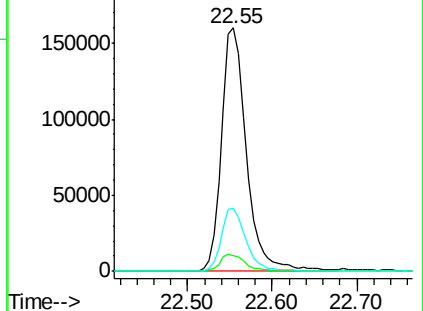
236 25.9 20.9 31.3



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: 2.786 ng

RT: 20.73 min Scan# 2968

Delta R.T. 0.36 min

Lab File: BG033660.D

Acq: 7 Apr 2018 11:10

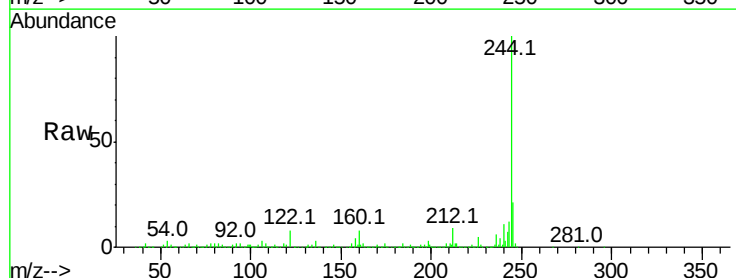
Tgt Ion:184 Resp: 24848

Ion Ratio Lower Upper

184 100

185 20.1 11.1 16.7#

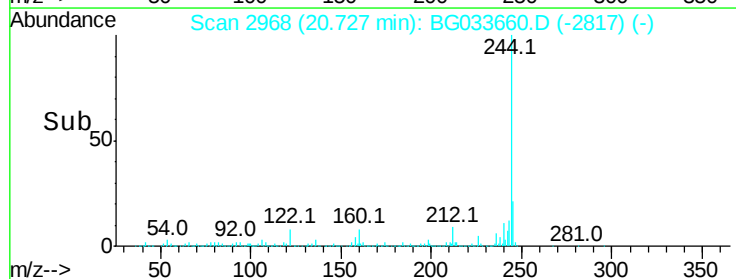
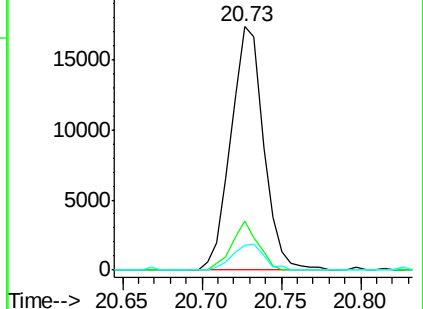
183 10.2 10.6 16.0#

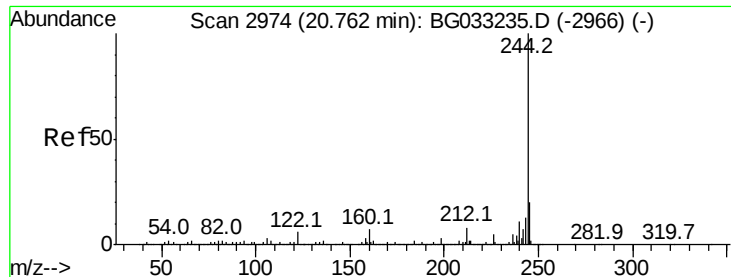


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#78

Terphenyl-d14

Concen: 91.991 ng

RT: 20.73 min Scan# 2968

Delta R.T. 0.00 min

Lab File: BG033660.D

Acq: 7 Apr 2018 11:10

Instrument :

BNA_G

ClientSampleId :

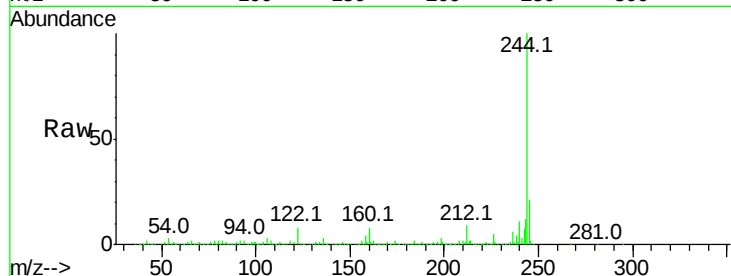
Tot Ion:244 Resp: 1414497

Ion Ratio Lower Upper

244 100

212 8.8 5.8 8.8#

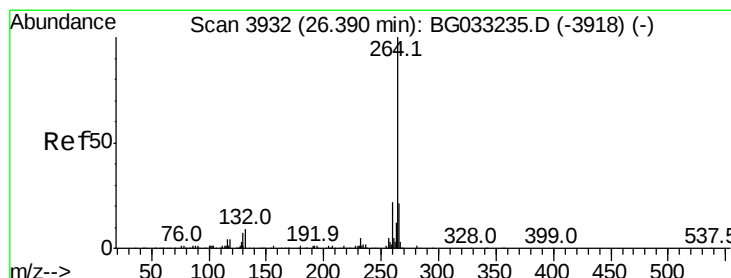
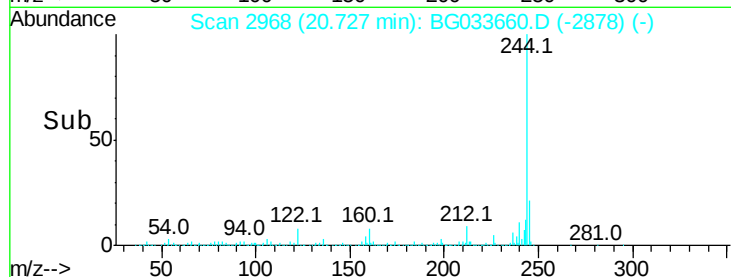
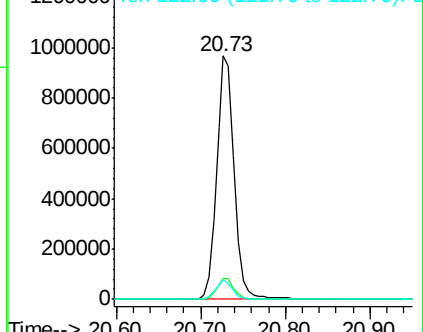
122 8.0 7.0 10.4



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: 26.32 min Scan# 3920

Delta R.T. 0.00 min

Lab File: BG033660.D

Acq: 7 Apr 2018 11:10

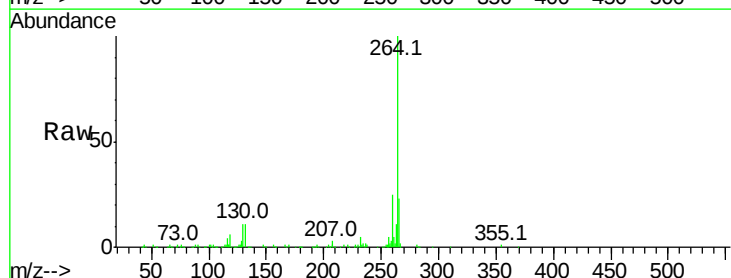
Tgt Ion:264 Resp: 331881

Ion Ratio Lower Upper

264 100

260 25.4 17.4 26.0

265 22.5 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

