

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG080218\
 Data File : BG036055.D
 Acq On : 2 Aug 2018 11:30
 Operator : JU/SJ
 Sample : PB111684BL
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 PB111684BL

Quant Time: Aug 02 12:13:01 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG071218.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jul 31 12:30:06 2018
 Response via : Initial Calibration

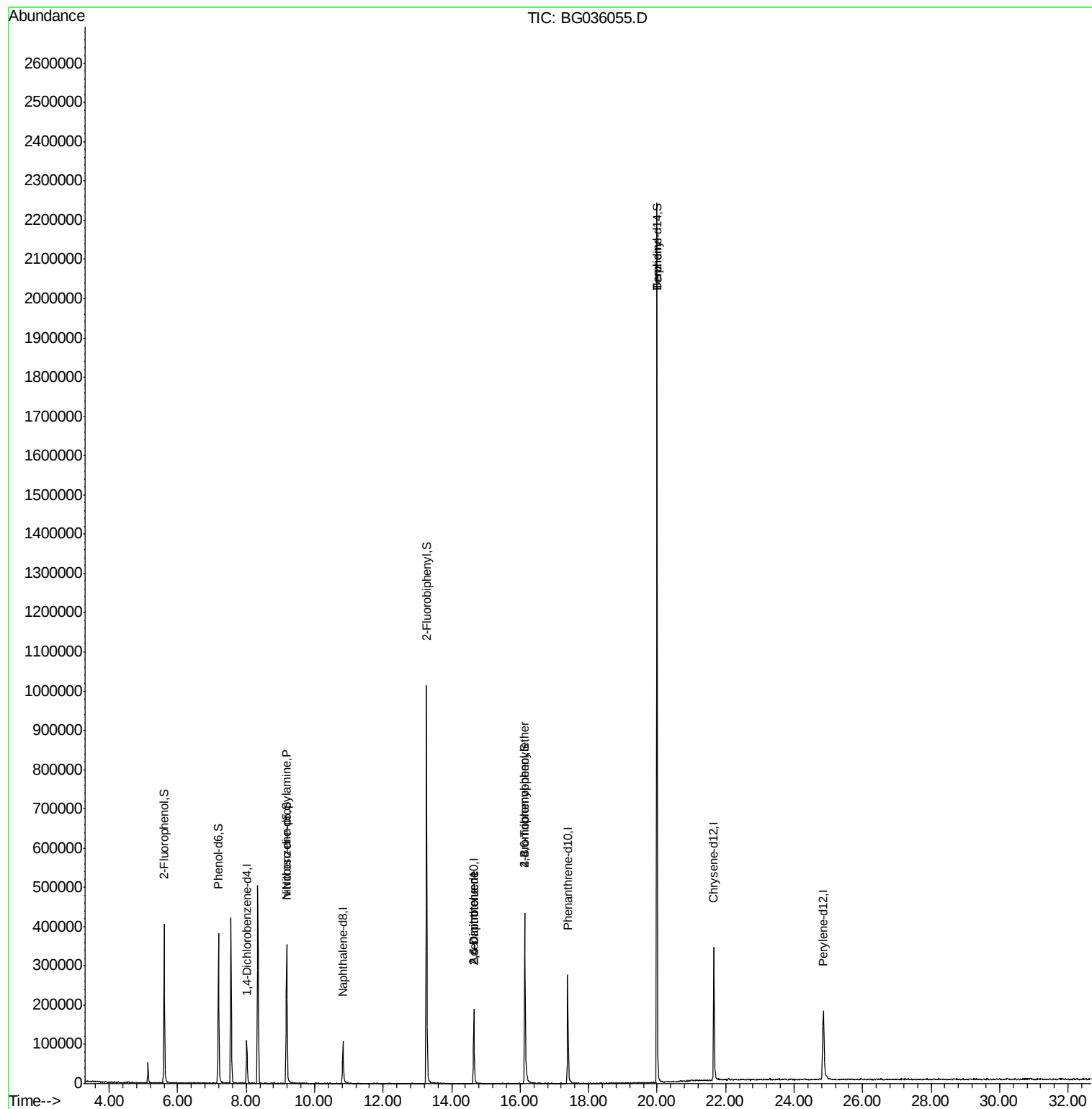
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.02	152	30661	20.00	ng	0.00
21) Naphthalene-d8	10.83	136	106971	20.00	ng	0.00
38) Acenaphthene-d10	14.65	164	76732	20.00	ng	0.00
63) Phenanthrene-d10	17.39	188	223615	20.00	ng	0.00
75) Chrysene-d12	21.65	240	254464	20.00	ng	0.00
86) Perylene-d12	24.86	264	227644	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.60	112	183125	99.16	ng	0.00
7) Phenol-d6	7.19	99	249839	90.67	ng	0.00
23) Nitrobenzene-d5	9.18	82	254789	99.50	ng	0.00
41) 2,4,6-Tribromophenol	16.14	330	102721	101.57	ng	0.00
44) 2-Fluorobiphenyl	13.27	172	597180	104.27	ng	-0.01
78) Terphenyl-d14	20.00	244	1115357	96.62	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.18	70	36041	15.533	ng	# 64
50) 2,6-Dinitrotoluene	14.65	165	11067	8.084	ng	# 18
56) 2,4-Dinitrotoluene	14.65	165	11066	5.634	ng	# 16
66) 4-Bromophenyl-phenylether	16.14	248	8046	3.101	ng	# 1
76) Benzidine	20.00	184	18659	2.789	ng	# 92

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

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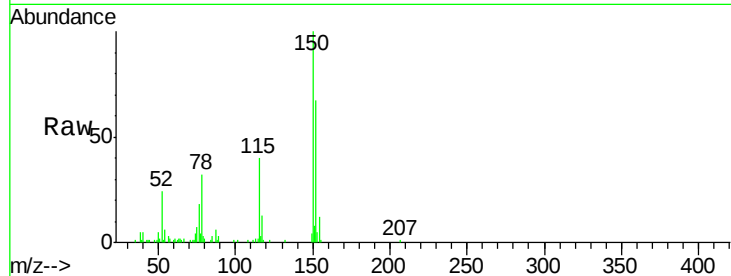


#1

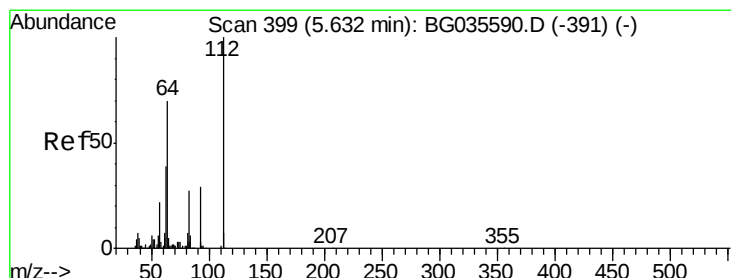
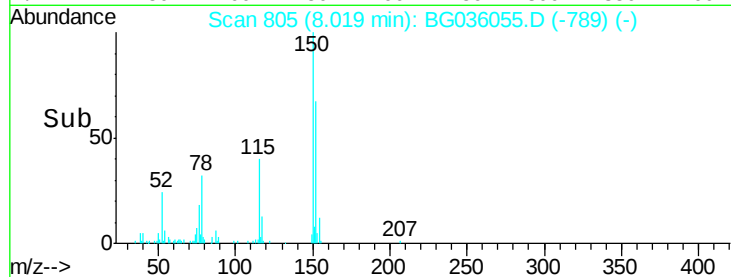
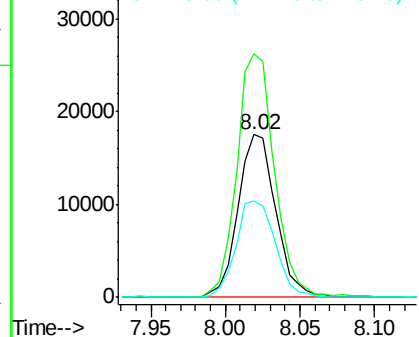
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.02 min Scan# 805
Delta R.T. -0.01 min
Lab File: BG036055.D
Acq: 2 Aug 2018 11:30

Instrument :
BNA_G
ClientSampleId :
PB111684BL

Tgt Ion	Ratio	Lower	Upper
152	100		
150	149.8	126.6	189.8
115	59.7	53.0	79.4



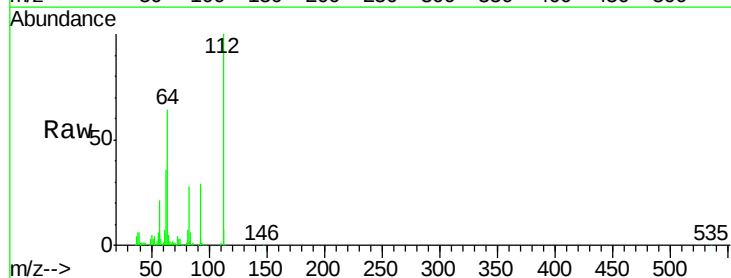
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



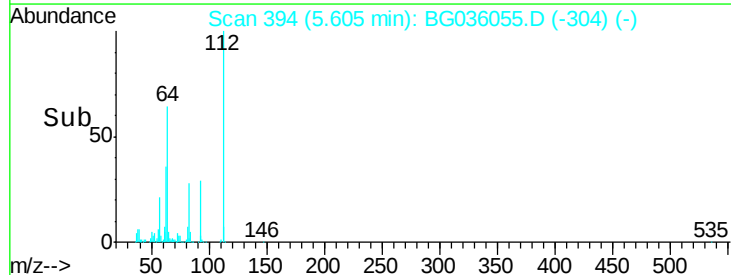
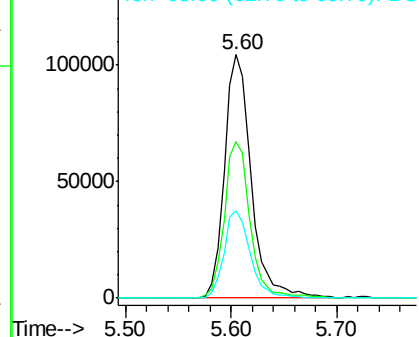
#5

2-Fluorophenol
Concen: 99.159 ng
RT: 5.60 min Scan# 394
Delta R.T. 0.00 min
Lab File: BG036055.D
Acq: 2 Aug 2018 11:30

Tgt Ion	Ratio	Lower	Upper
112	100		
64	64.1	56.3	84.5
63	36.1	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: 90.673 ng

RT: 7.19 min Scan# 664

Delta R.T. -0.01 min

Lab File: BG036055.D

Acq: 2 Aug 2018 11:30

Instrument :

BNA_G

ClientSampleId :

PB111684BL

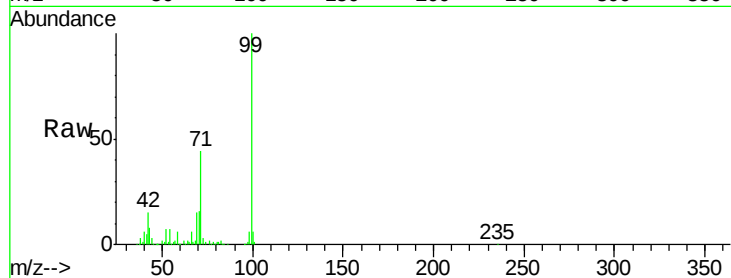
Tgt Ion: 99 Resp: 249839

Ion Ratio Lower Upper

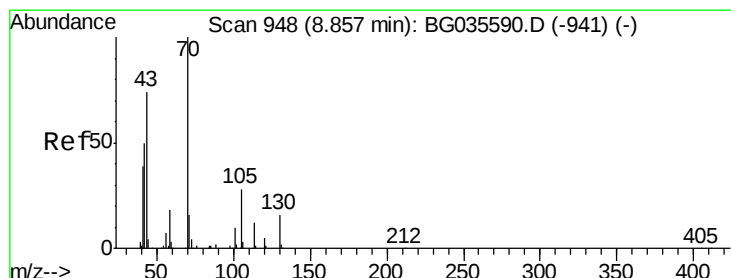
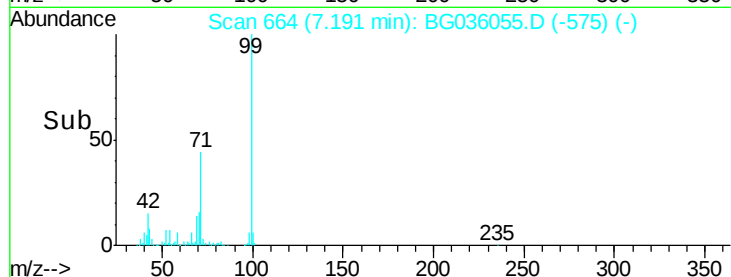
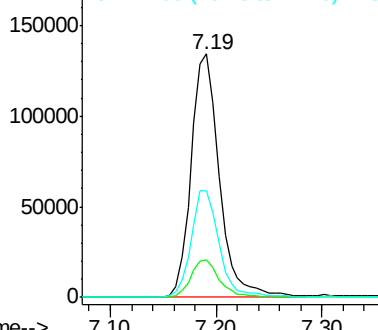
99 100

42 15.5 14.1 21.1

71 44.0 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: 15.533 ng

RT: 9.18 min Scan# 1003

Delta R.T. 0.35 min

Lab File: BG036055.D

Acq: 2 Aug 2018 11:30

Tgt Ion: 70 Resp: 36041

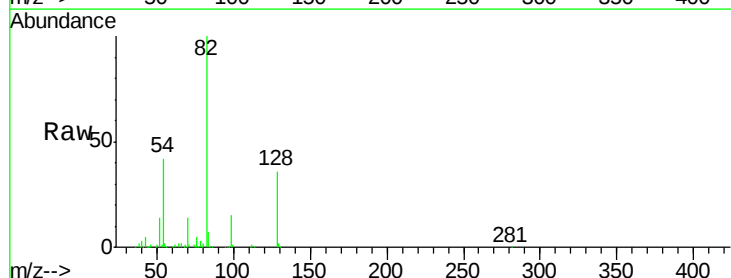
Ion Ratio Lower Upper

70 100

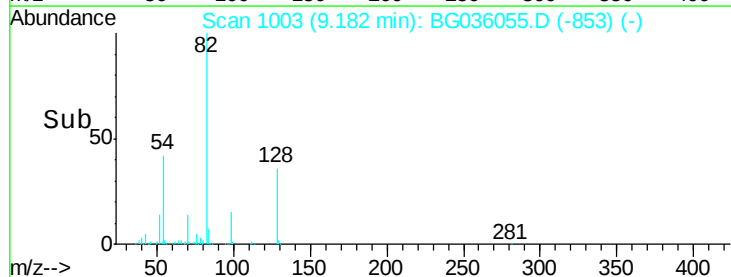
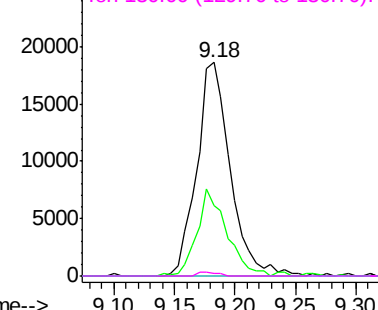
42 33.2 49.1 73.7#

101 0.0 8.5 12.7#

130 1.4 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

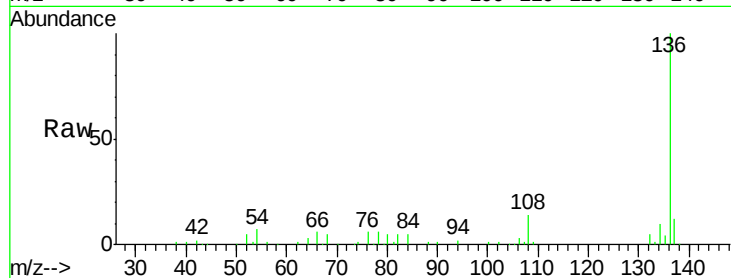




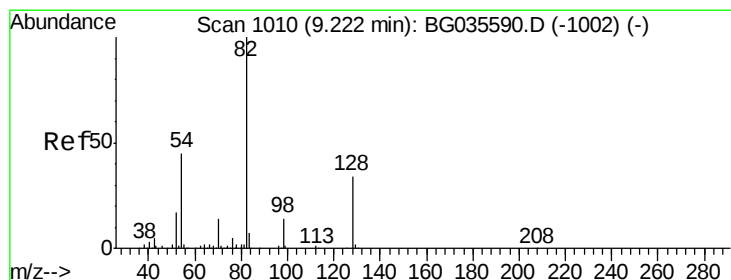
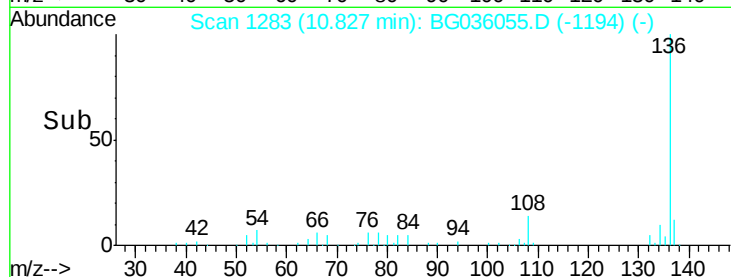
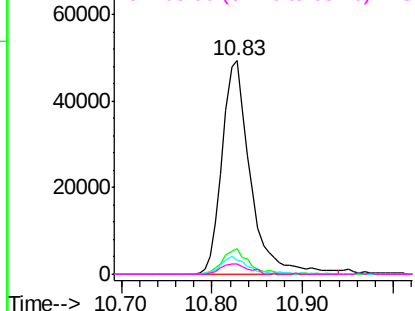
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.83 min Scan# 1283
Delta R.T. -0.01 min
Lab File: BG036055.D
Acq: 2 Aug 2018 11:30

Instrument :
BNA_G
ClientSampleId :
PB111684BL

Tgt Ion:	136	Resp:	106971
Ion	Ratio	Lower	Upper
136	100		
137	11.9	9.2	13.8
54	6.8	10.3	15.5
68	5.1	4.5	6.7

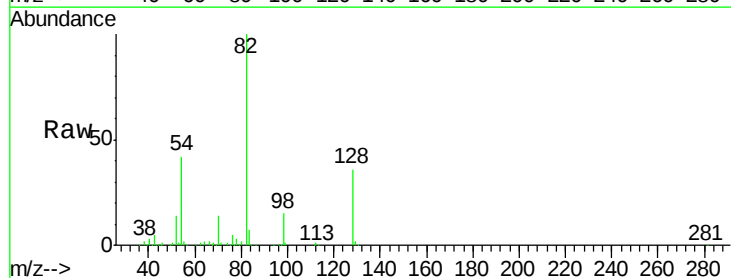


Abundance Ion 136.00 (135.70 to 136.70): BGC
Ion 137.00 (136.70 to 137.70): BGC
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

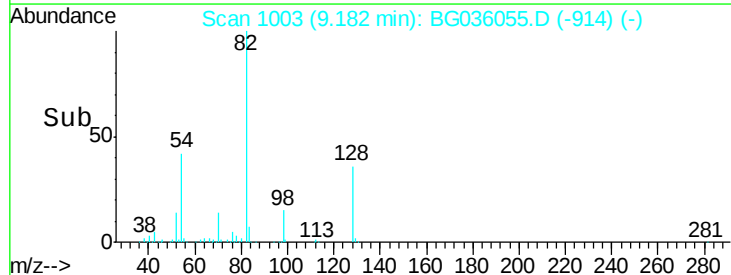
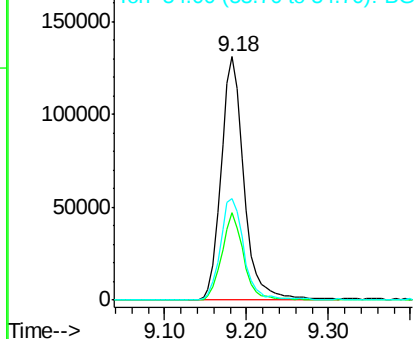


#23
Nitrobenzene-d5
Concen: 99.501 ng
RT: 9.18 min Scan# 1003
Delta R.T. -0.01 min
Lab File: BG036055.D
Acq: 2 Aug 2018 11:30

Tgt Ion:	82	Resp:	254789
Ion	Ratio	Lower	Upper
82	100		
128	35.7	29.7	44.5
54	41.9	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: 14.65 min Scan# 1933

Delta R.T. -0.01 min

Lab File: BG036055.D

Acq: 2 Aug 2018 11:30

Instrument :

BNA_G

ClientSampleId :

PB111684BL

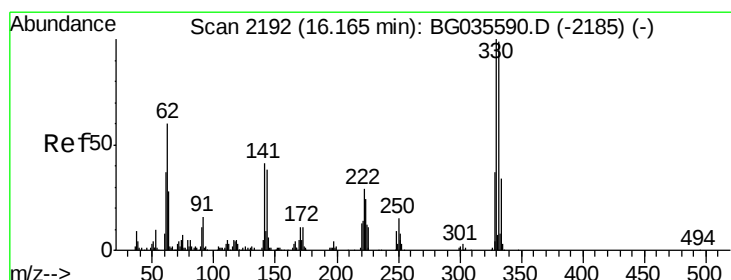
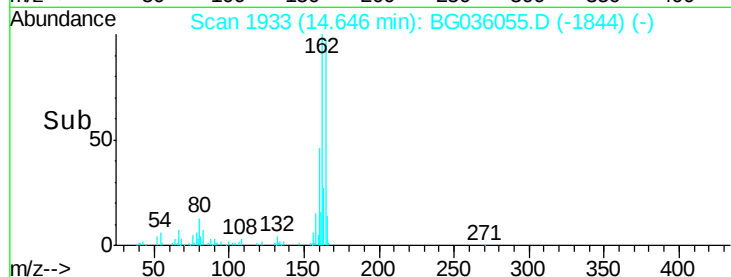
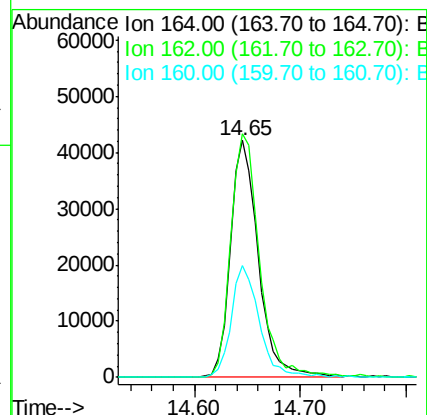
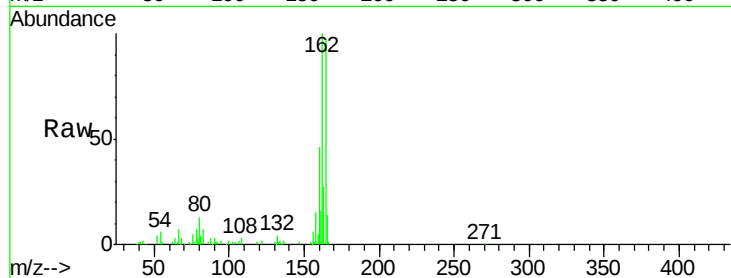
Tgt Ion:164 Resp: 76732

Ion Ratio Lower Upper

164 100

162 102.7 78.8 118.2

160 47.1 35.4 53.0



#41

2,4,6-Tribromophenol

Concen: 101.565 ng

RT: 16.14 min Scan# 2187

Delta R.T. -0.01 min

Lab File: BG036055.D

Acq: 2 Aug 2018 11:30

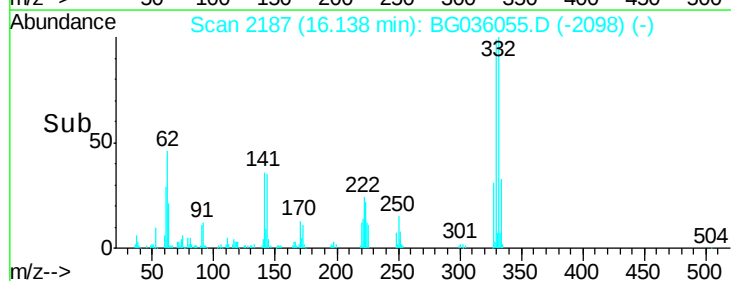
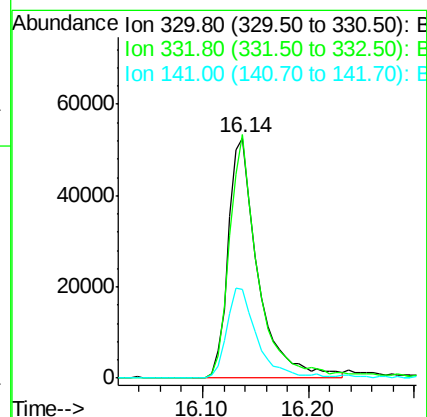
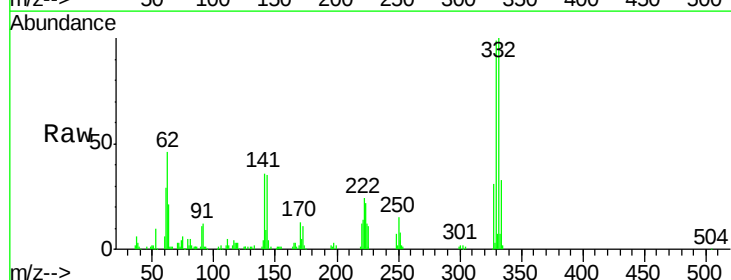
Tgt Ion:330 Resp: 102721

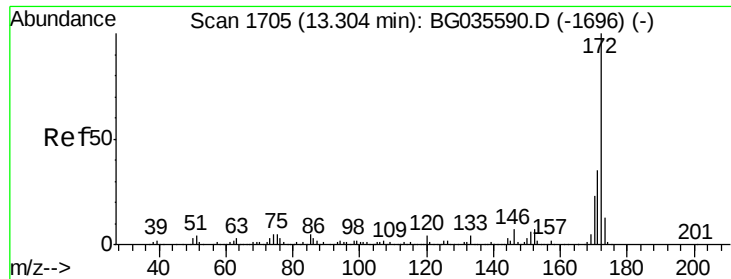
Ion Ratio Lower Upper

330 100

332 96.8 77.0 115.6

141 37.4 25.2 37.8

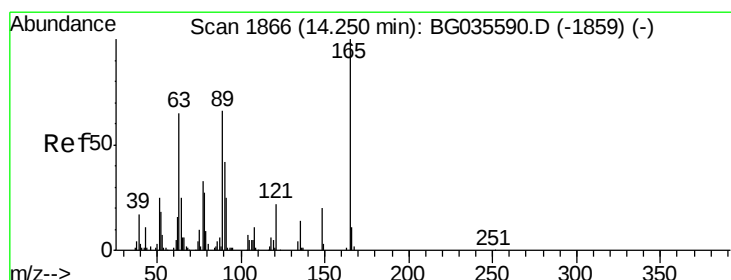
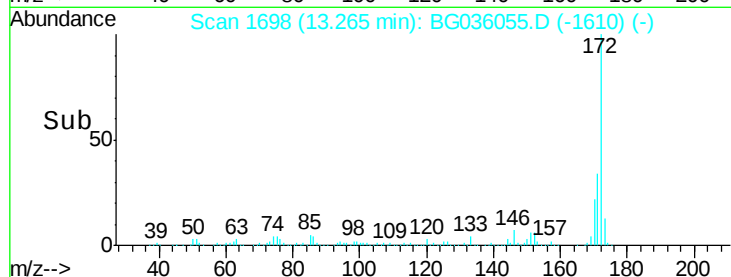
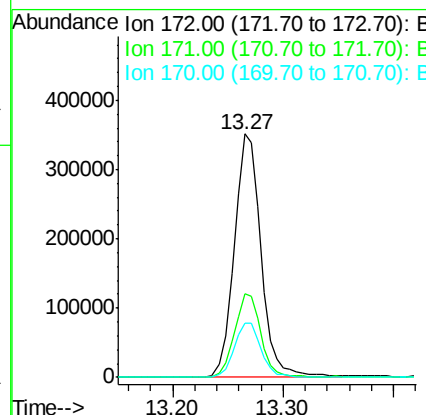
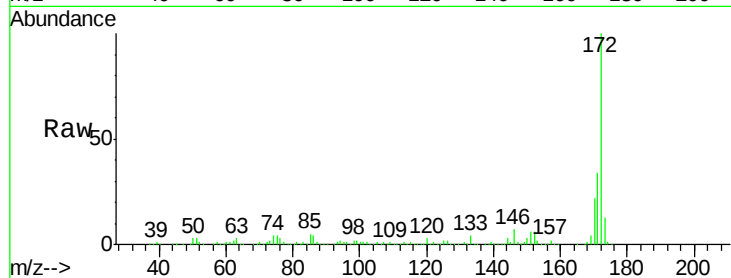




#44
 2-Fluorobiphenyl
 Concen: 104.268 ng
 RT: 13.27 min Scan# 1698
 Delta R.T. -0.01 min
 Lab File: BG036055.D
 Acq: 2 Aug 2018 11:30

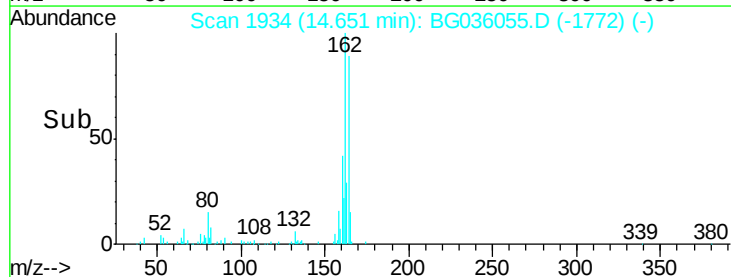
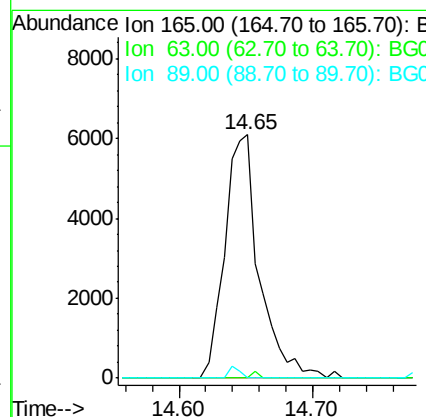
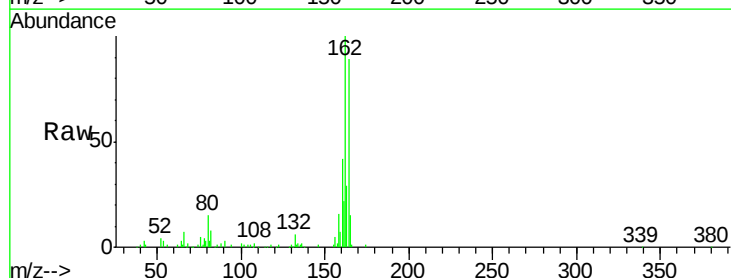
Instrument :
 BNA_G
 ClientSampleId :
 PB111684BL

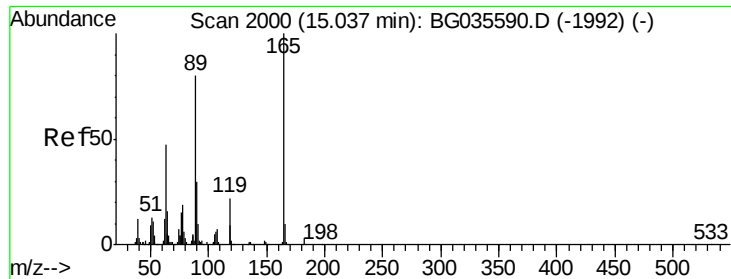
Tgt Ion	Ratio	Lower	Upper
172	100		
171	34.3	30.0	45.0
170	22.4	19.5	29.3



#50
 2,6-Dinitrotoluene
 Concen: 8.084 ng
 RT: 14.65 min Scan# 1934
 Delta R.T. 0.42 min
 Lab File: BG036055.D
 Acq: 2 Aug 2018 11:30

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





#56

2,4-Dinitrotoluene

Concen: 5.634 ng

RT: 14.65 min Scan# 1934

Delta R.T. -0.36 min

Lab File: BG036055.D

Acq: 2 Aug 2018 11:30

Instrument :

BNA_G

ClientSampleId :

PB111684BL

Tgt Ion:165 Resp: 11066

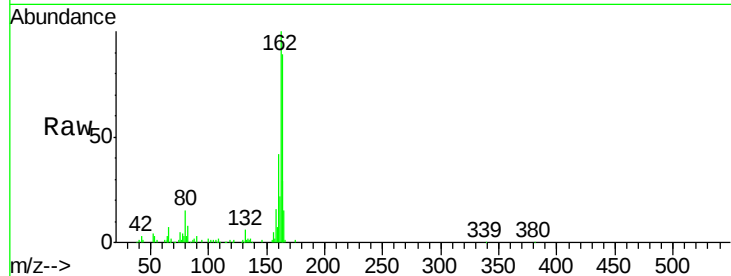
Ion Ratio Lower Upper

165 100

63 0.0 42.0 63.0#

89 0.0 66.9 100.3#

182 0.0 2.6 3.8#

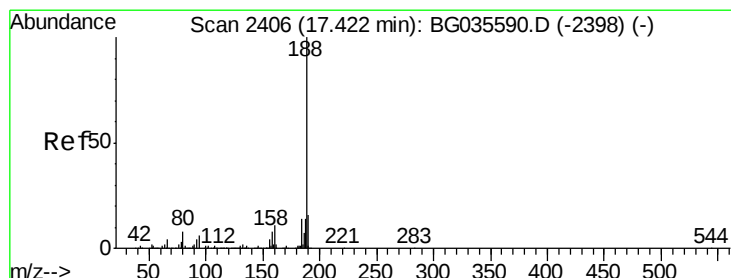
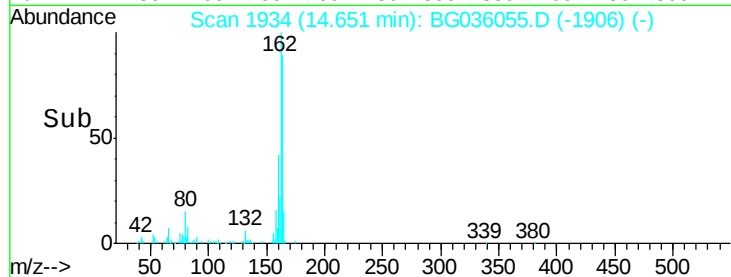
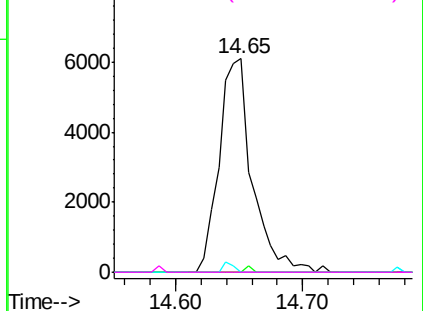


Abundance Ion 165.00 (164.70 to 165.70): E

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: 17.39 min Scan# 2401

Delta R.T. 0.00 min

Lab File: BG036055.D

Acq: 2 Aug 2018 11:30

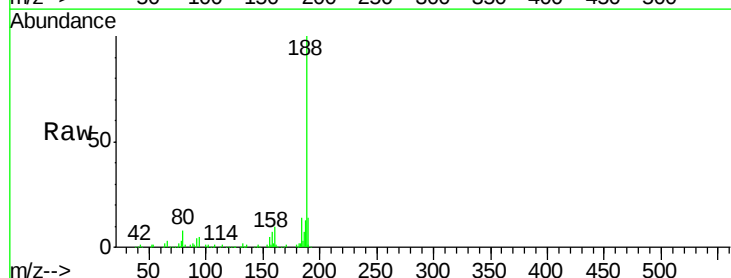
Tgt Ion:188 Resp: 223615

Ion Ratio Lower Upper

188 100

94 5.1 6.9 10.3#

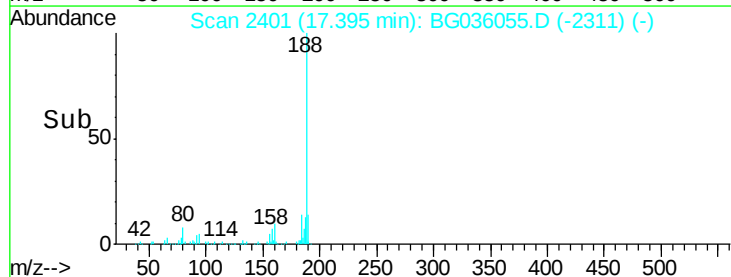
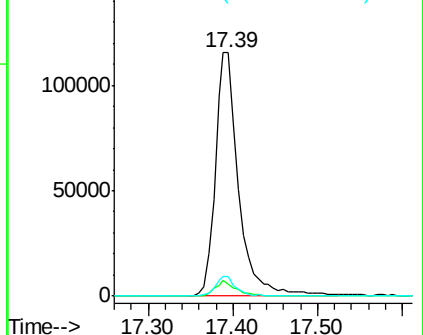
80 8.0 7.7 11.5

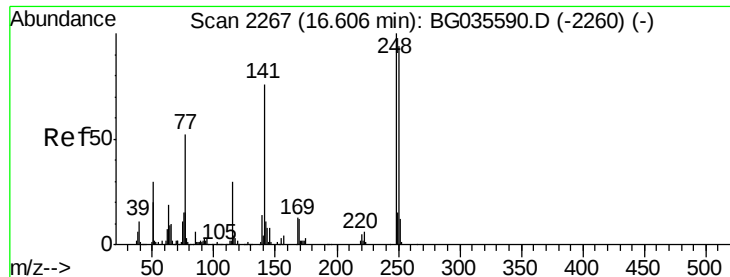


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC

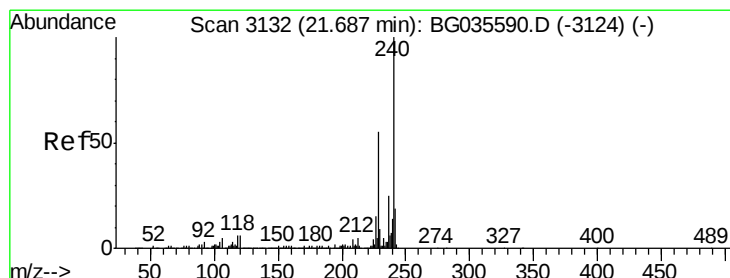
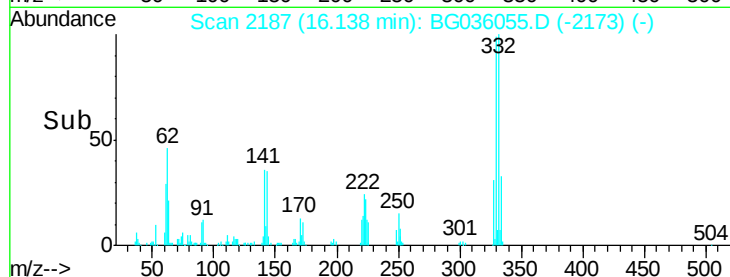
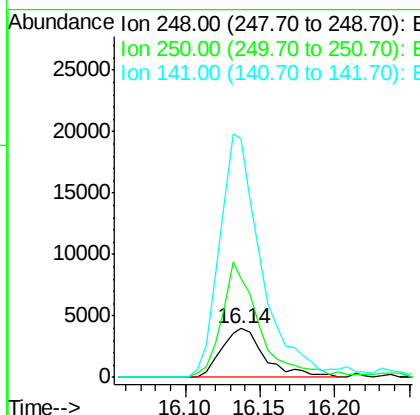
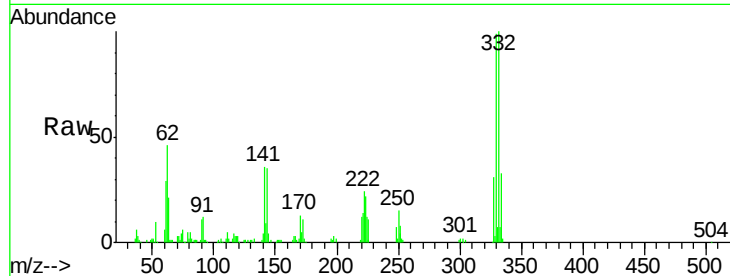




#66
 4-Bromophenyl-phenylether
 Concen: 3.101 ng
 RT: 16.14 min Scan# 2187
 Delta R.T. -0.45 min
 Lab File: BG036055.D
 Acq: 2 Aug 2018 11:30

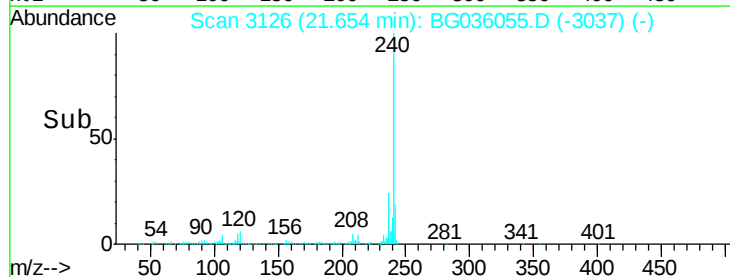
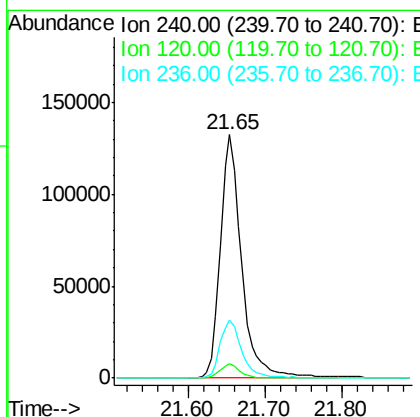
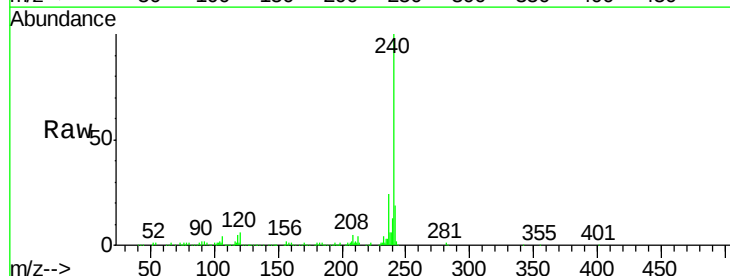
Instrument :
 BNA_G
 ClientSampleId :
 PB111684BL

Tgt Ion:248 Resp: 8046
 Ion Ratio Lower Upper
 248 100
 250 202.0 77.1 115.7#
 141 486.3 50.8 76.2#



#75
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.65 min Scan# 3126
 Delta R.T. -0.01 min
 Lab File: BG036055.D
 Acq: 2 Aug 2018 11:30

Tgt Ion:240 Resp: 254464
 Ion Ratio Lower Upper
 240 100
 120 5.8 6.8 10.2#
 236 23.7 20.9 31.3





#76

Benzidine

Concen: 2.789 ng

RT: 20.00 min Scan# 2844

Delta R.T. 0.37 min

Lab File: BG036055.D

Acq: 2 Aug 2018 11:30

Instrument :

BNA_G

ClientSampleId :

PB111684BL

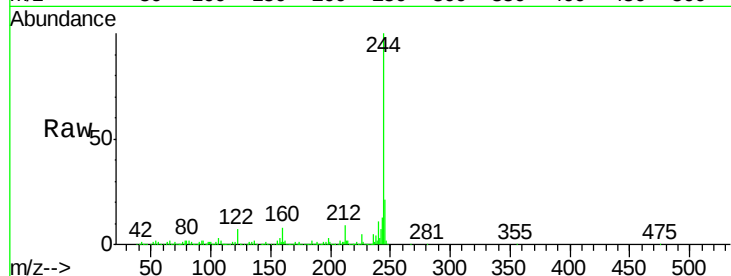
Tgt Ion:184 Resp: 18659

Ion Ratio Lower Upper

184 100

185 15.2 11.1 16.7

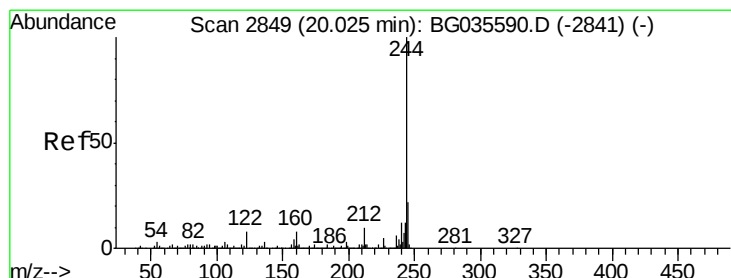
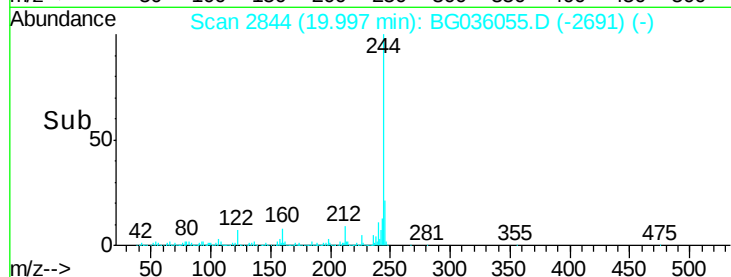
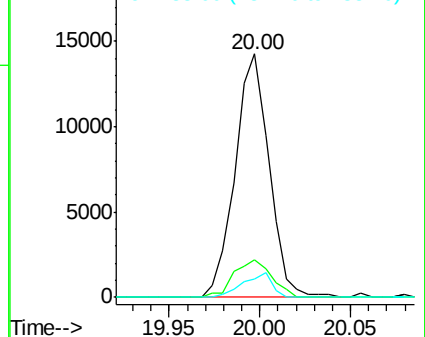
183 7.7 10.6 16.0#



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: 96.618 ng

RT: 20.00 min Scan# 2844

Delta R.T. -0.01 min

Lab File: BG036055.D

Acq: 2 Aug 2018 11:30

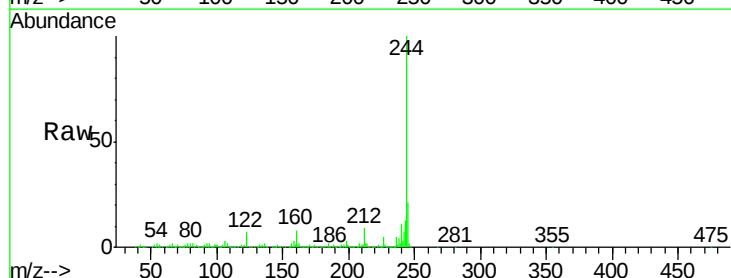
Tgt Ion:244 Resp: 1115357

Ion Ratio Lower Upper

244 100

212 9.2 5.8 8.8#

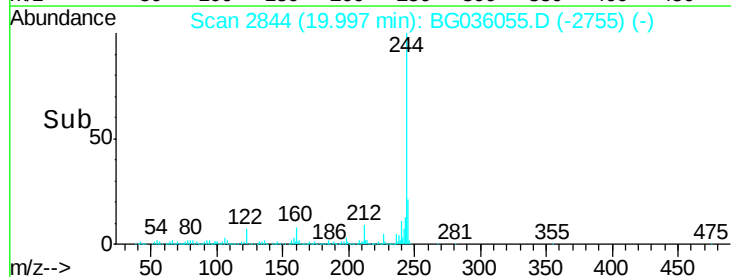
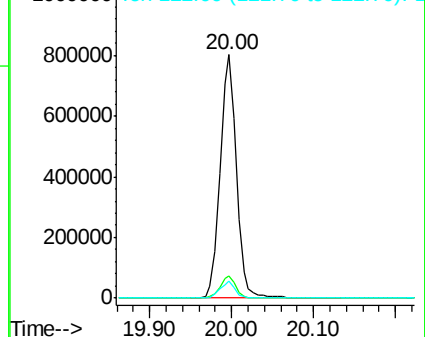
122 6.8 7.0 10.4#

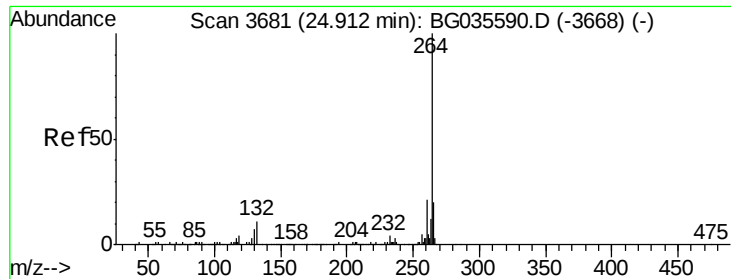


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



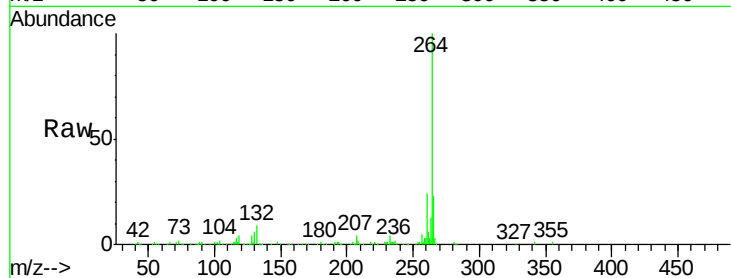


#86
Perylene-d12
Concen: 20.000 ng
RT: 24.86 min Scan# 3671
Delta R.T. -0.01 min
Lab File: BG036055.D
Acq: 2 Aug 2018 11:30

Instrument :
BNA_G
ClientSampleId :
PB111684BL

Tgt Ion: 264 Resp: 227644

Ion	Ratio	Lower	Upper
264	100		
260	24.0	17.4	26.0
265	23.2	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

