

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG080218\
 Data File : BG036054.D
 Acq On : 2 Aug 2018 10:51
 Operator : JU/SJ
 Sample : PB111656BL
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 PB111656BL

Quant Time: Aug 02 11:37:35 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

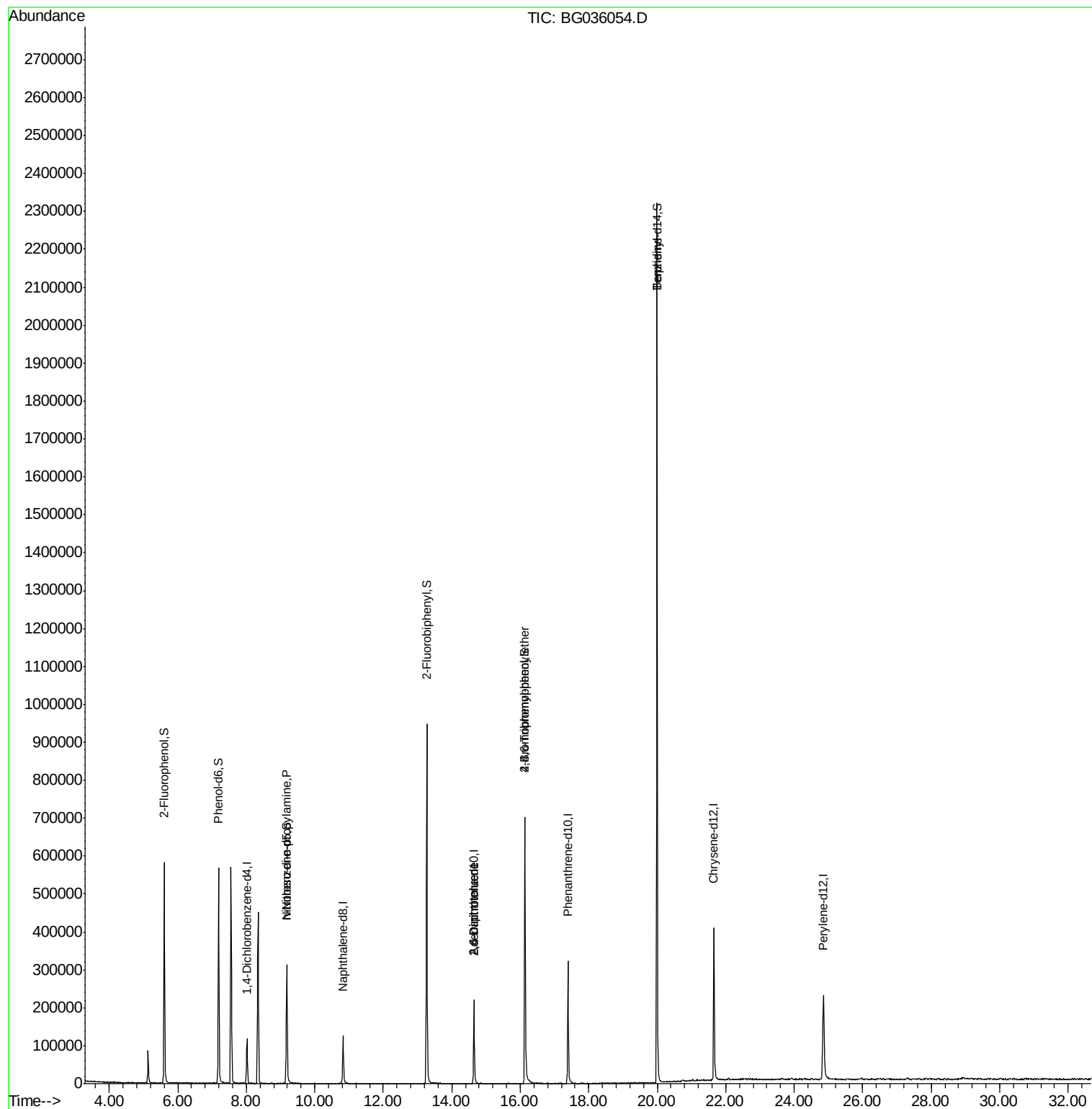
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.02	152	33342	20.00	ng	0.00
21) Naphthalene-d8	10.82	136	120651	20.00	ng	0.00
38) Acenaphthene-d10	14.64	164	87367	20.00	ng	0.00
63) Phenanthrene-d10	17.39	188	252036	20.00	ng	0.00
75) Chrysene-d12	21.65	240	298974	20.00	ng	0.00
86) Perylene-d12	24.85	264	270169	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.60	112	259701	129.32	ng	0.00
7) Phenol-d6	7.19	99	355958	118.80	ng	0.00
23) Nitrobenzene-d5	9.18	82	227961	78.93	ng	0.00
41) 2,4,6-Tribromophenol	16.14	330	154508	134.17	ng	0.00
44) 2-Fluorobiphenyl	13.27	172	554182	84.98	ng	0.00
78) Terphenyl-d14	19.99	244	1205608	88.89	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.18	70	32652	12.941	ng	# 62
50) 2,6-Dinitrotoluene	14.65	165	11571	7.423	ng	# 20
56) 2,4-Dinitrotoluene	14.65	165	11571	5.174	ng	# 18
66) 4-Bromophenyl-phenylether	16.14	248	13160	4.501	ng	# 1
76) Benzidine	20.00	184	19521	2.484	ng	97

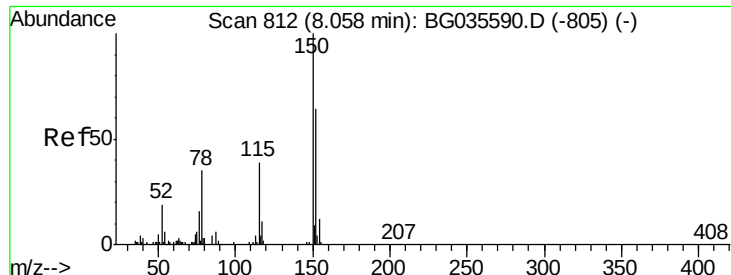
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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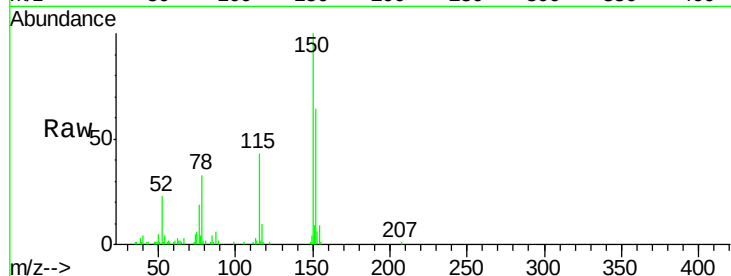


#1

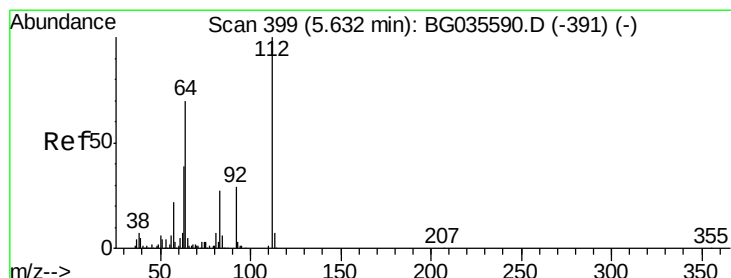
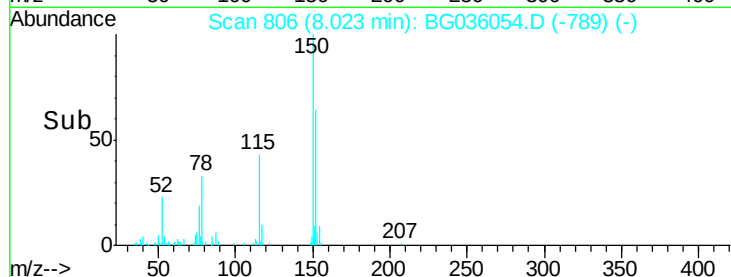
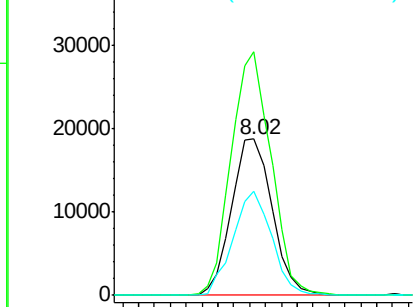
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.02 min Scan# 806
Delta R.T. -0.00 min
Lab File: BG036054.D
Acq: 2 Aug 2018 10:51

Instrument :
BNA_G
ClientSampleId :
PB111656BL

Tgt Ion:152 Resp: 33342
Ion Ratio Lower Upper
152 100
150 155.8 126.6 189.8
115 66.5 53.0 79.4



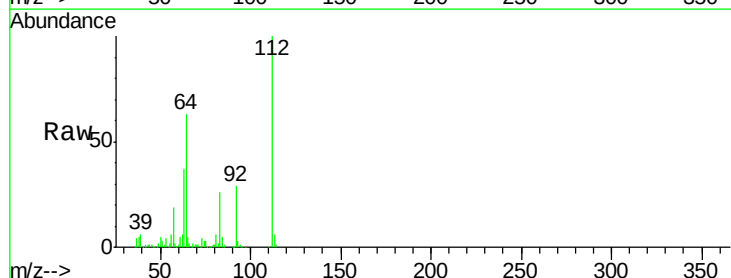
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



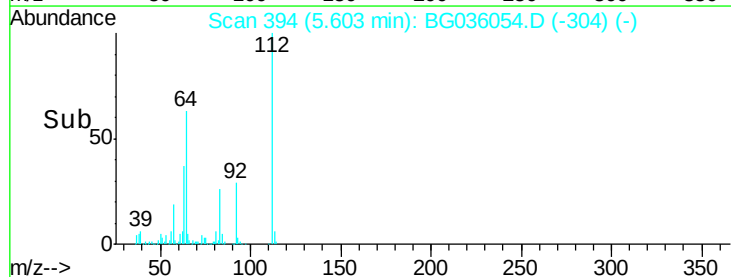
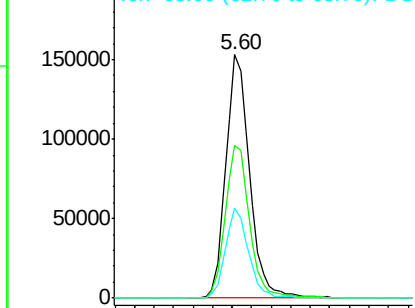
#5

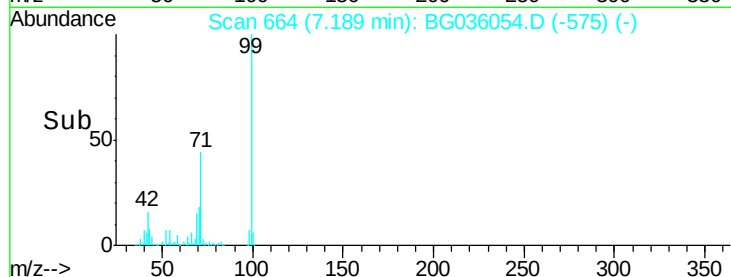
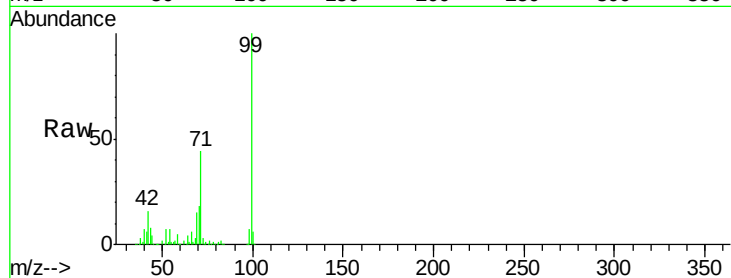
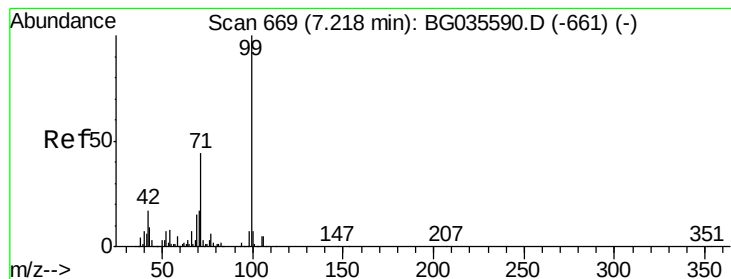
2-Fluorophenol
Concen: 129.316 ng
RT: 5.60 min Scan# 394
Delta R.T. -0.00 min
Lab File: BG036054.D
Acq: 2 Aug 2018 10:51

Tgt Ion:112 Resp: 259701
Ion Ratio Lower Upper
112 100
64 62.7 56.3 84.5
63 36.9 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: 118.799 ng

RT: 7.19 min Scan# 664

Delta R.T. -0.01 min

Lab File: BG036054.D

Acq: 2 Aug 2018 10:51

Instrument :

BNA_G

ClientSampleId :

PB111656BL

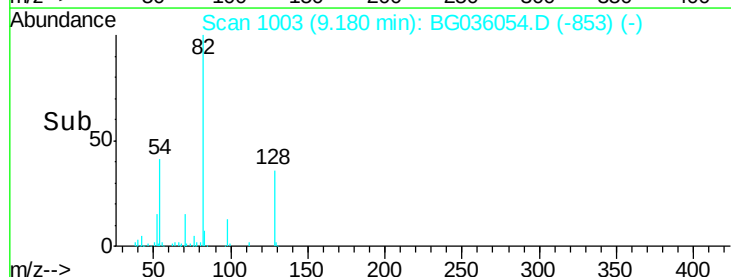
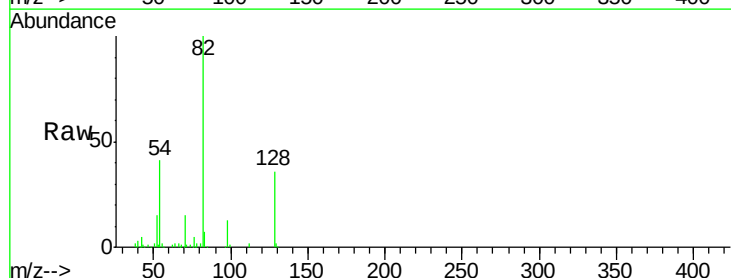
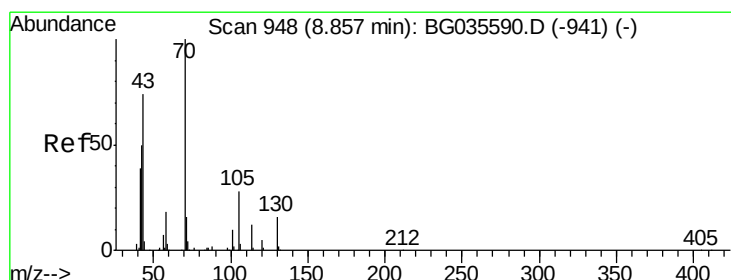
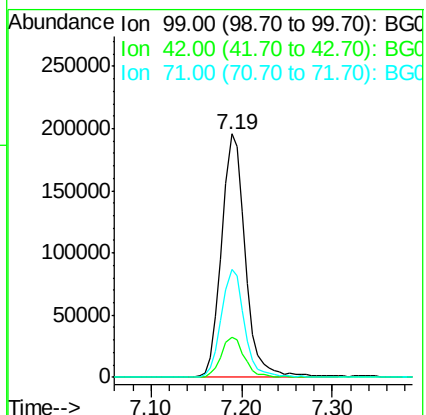
Tgt Ion: 99 Resp: 355958

Ion Ratio Lower Upper

99 100

42 16.3 14.1 21.1

71 44.1 26.1 39.1#



#19

n-Nitroso-di-n-propylamine

Concen: 12.941 ng

RT: 9.18 min Scan# 1003

Delta R.T. 0.35 min

Lab File: BG036054.D

Acq: 2 Aug 2018 10:51

Tgt Ion: 70 Resp: 32652

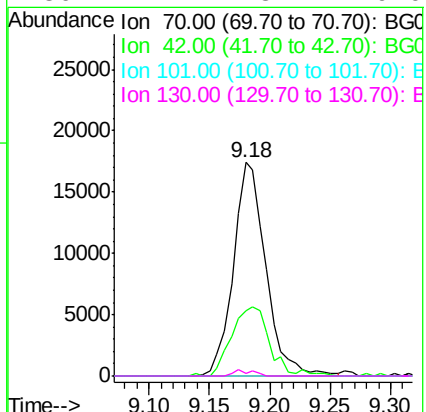
Ion Ratio Lower Upper

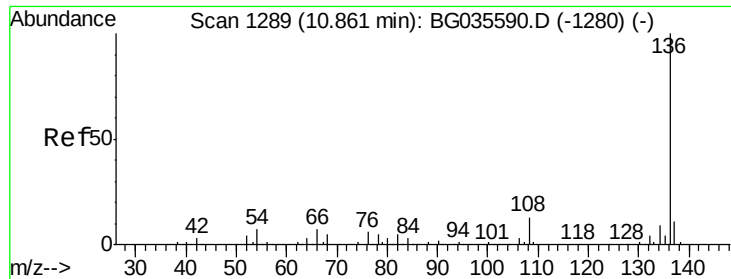
70 100

42 30.7 49.1 73.7#

101 0.0 8.5 12.7#

130 1.2 13.4 20.0#

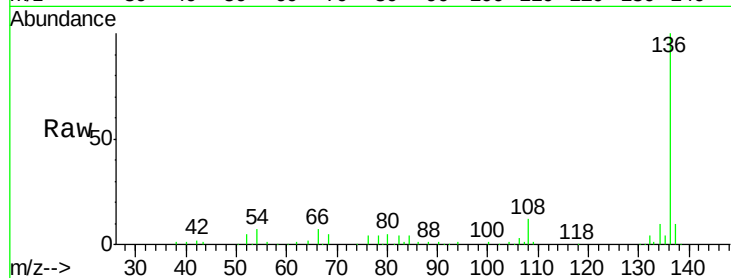




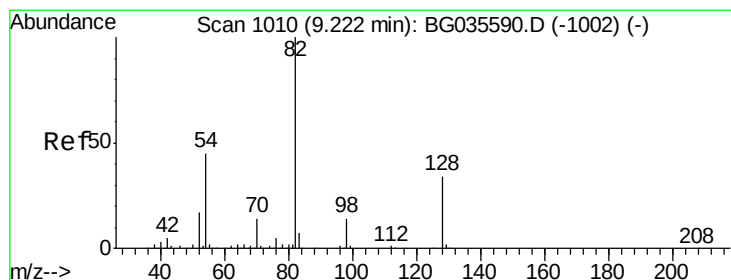
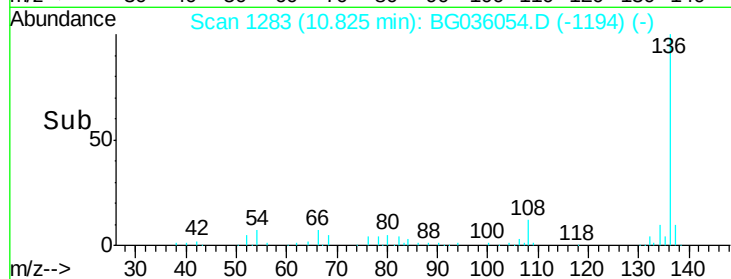
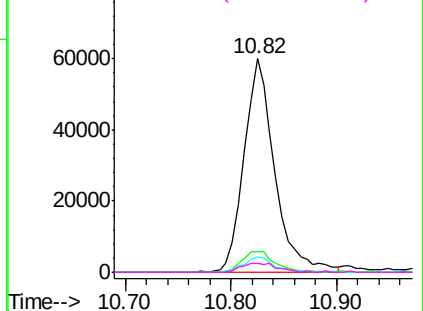
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.82 min Scan# 1283
Delta R.T. -0.01 min
Lab File: BG036054.D
Acq: 2 Aug 2018 10:51

Instrument :
BNA_G
ClientSampleId :
PB111656BL

Tgt Ion:	136	Resp:	120651
Ion	Ratio	Lower	Upper
136	100		
137	9.9	9.2	13.8
54	7.1	10.3	15.5#
68	4.5	4.5	6.7

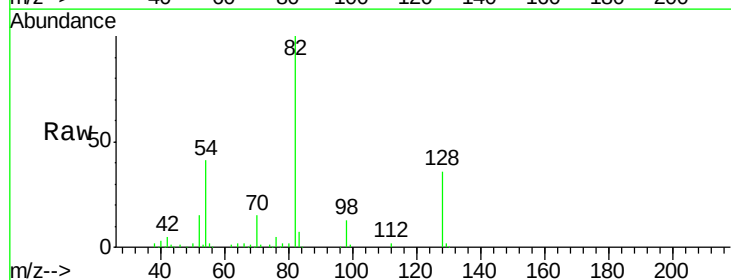


Abundance Ion 136.00 (135.70 to 136.70): BGC
Ion 137.00 (136.70 to 137.70): BGC
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

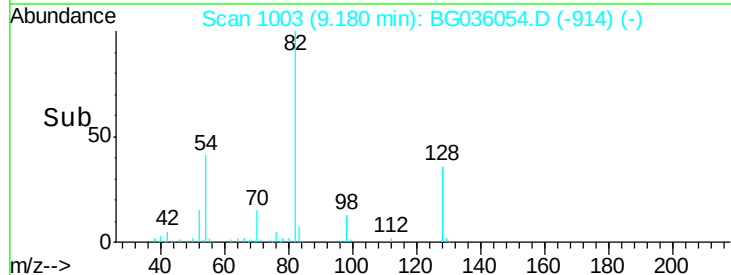
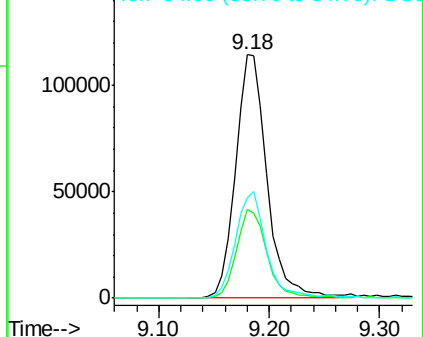


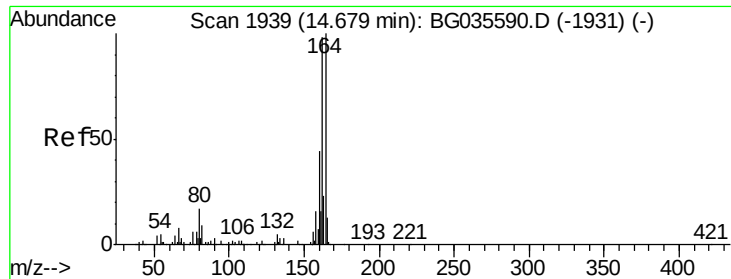
#23
Nitrobenzene-d5
Concen: 78.930 ng
RT: 9.18 min Scan# 1003
Delta R.T. -0.01 min
Lab File: BG036054.D
Acq: 2 Aug 2018 10:51

Tgt Ion:	82	Resp:	227961
Ion	Ratio	Lower	Upper
82	100		
128	36.4	29.7	44.5
54	41.2	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: 14.64 min Scan# 1933

Delta R.T. -0.01 min

Lab File: BG036054.D

Acq: 2 Aug 2018 10:51

Instrument :

BNA_G

ClientSampleId :

PB111656BL

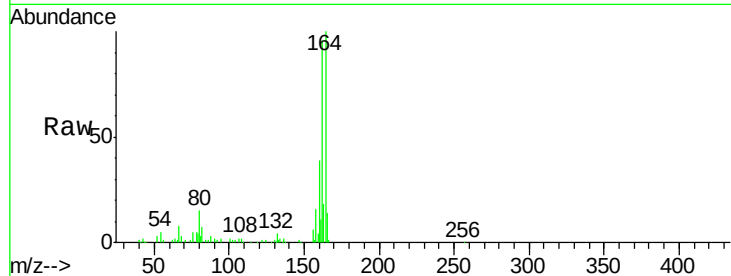
Tgt Ion:164 Resp: 87367

Ion Ratio Lower Upper

164 100

162 96.1 78.8 118.2

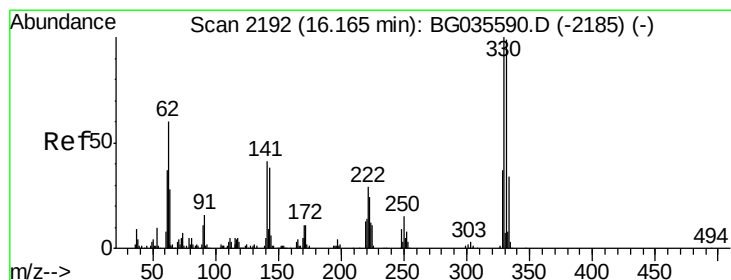
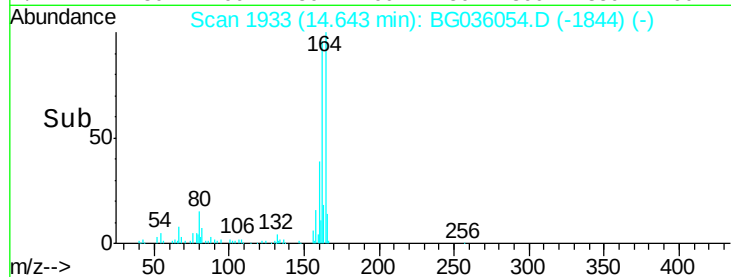
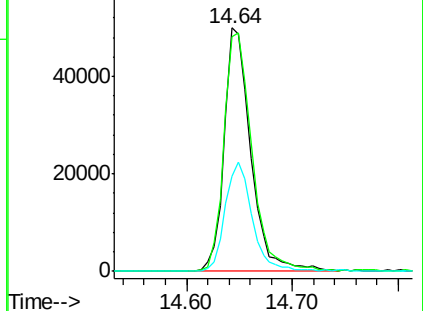
160 38.8 35.4 53.0



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: 134.174 ng

RT: 16.14 min Scan# 2187

Delta R.T. -0.01 min

Lab File: BG036054.D

Acq: 2 Aug 2018 10:51

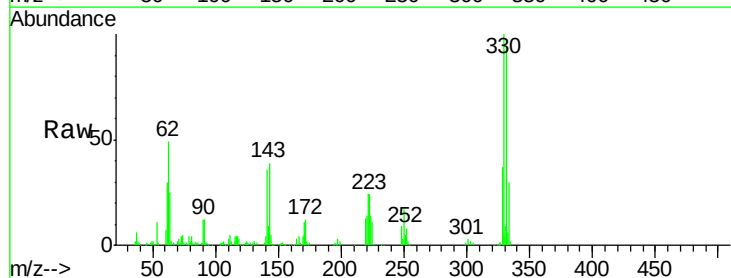
Tgt Ion:330 Resp: 154508

Ion Ratio Lower Upper

330 100

332 93.9 77.0 115.6

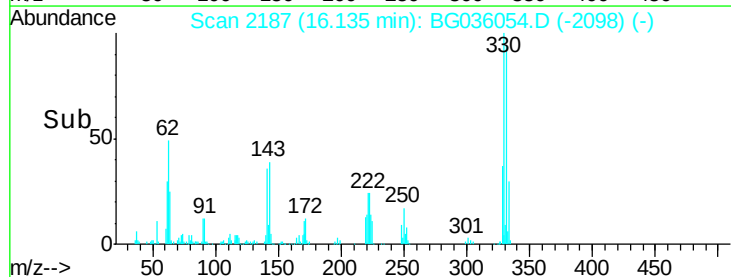
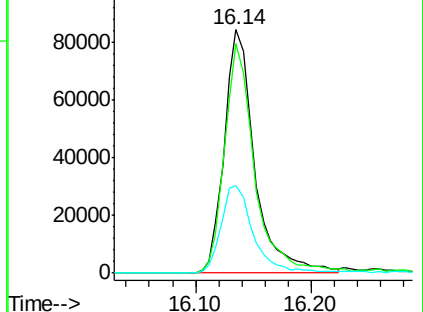
141 38.3 25.2 37.8#

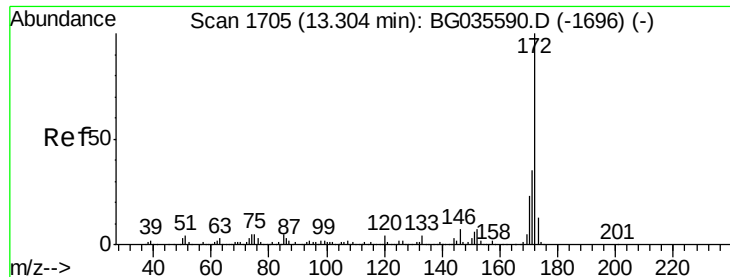


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

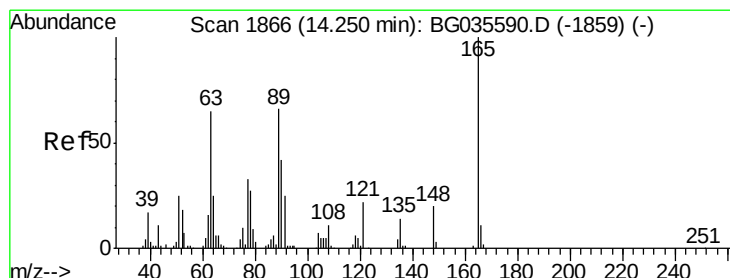
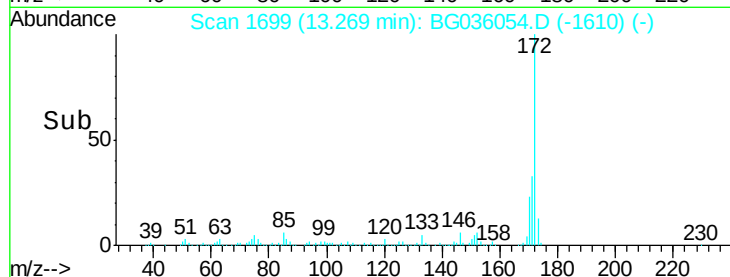
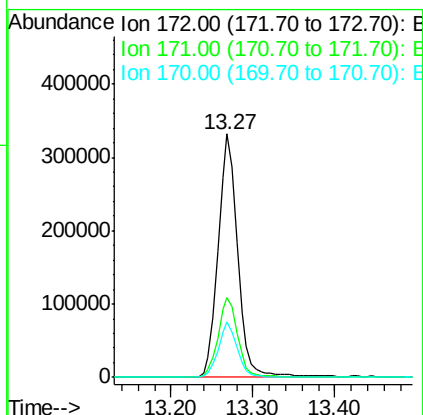
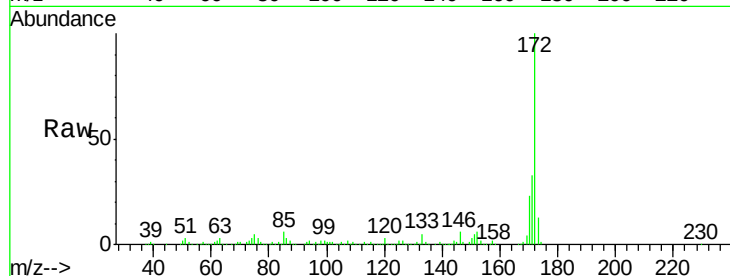




#44
 2-Fluorobiphenyl
 Concen: 84.982 ng
 RT: 13.27 min Scan# 1699
 Delta R.T. -0.01 min
 Lab File: BG036054.D
 Acq: 2 Aug 2018 10:51

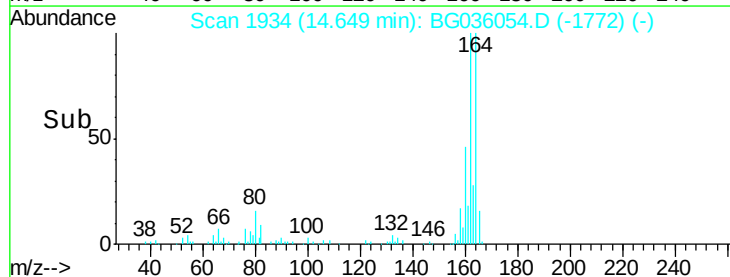
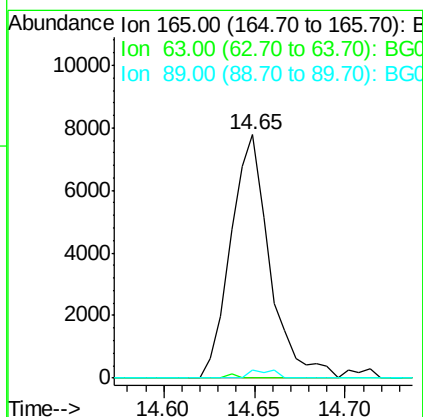
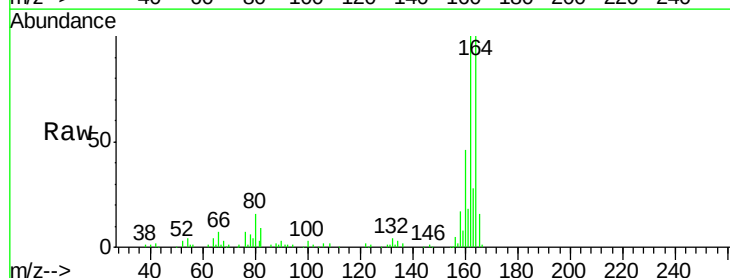
Instrument :
 BNA_G
 ClientSampleId :
 PB111656BL

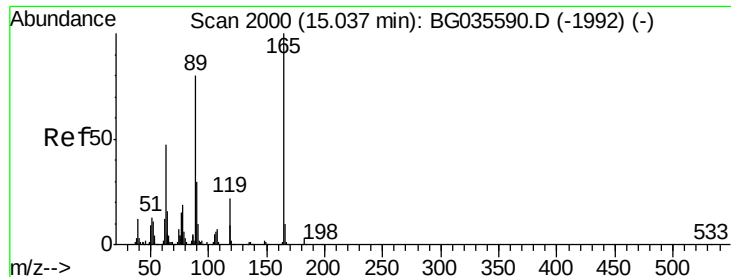
Tgt Ion:172 Resp: 554182
 Ion Ratio Lower Upper
 172 100
 171 32.8 30.0 45.0
 170 22.6 19.5 29.3



#50
 2,6-Dinitrotoluene
 Concen: 7.423 ng
 RT: 14.65 min Scan# 1934
 Delta R.T. 0.42 min
 Lab File: BG036054.D
 Acq: 2 Aug 2018 10:51

Tgt Ion:165 Resp: 11571
 Ion Ratio Lower Upper
 165 100
 63 0.0 52.7 79.1#
 89 3.3 49.2 73.8#





#56

2,4-Dinitrotoluene

Concen: 5.174 ng

RT: 14.65 min Scan# 1934

Delta R.T. -0.37 min

Lab File: BG036054.D

Acq: 2 Aug 2018 10:51

Instrument :

BNA_G

ClientSampleId :

PB111656BL

Tgt Ion:165 Resp: 11571

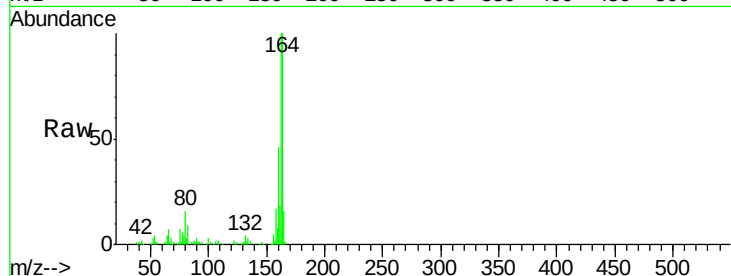
Ion Ratio Lower Upper

165 100

63 0.0 42.0 63.0#

89 3.3 66.9 100.3#

182 0.0 2.6 3.8#

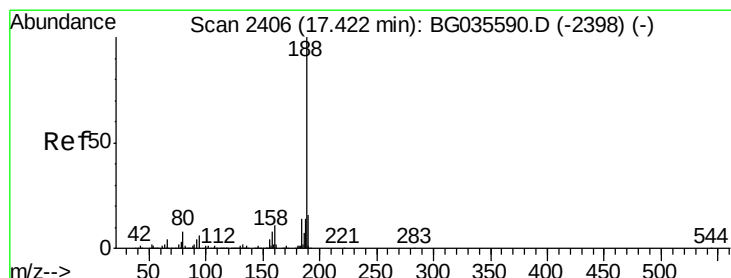
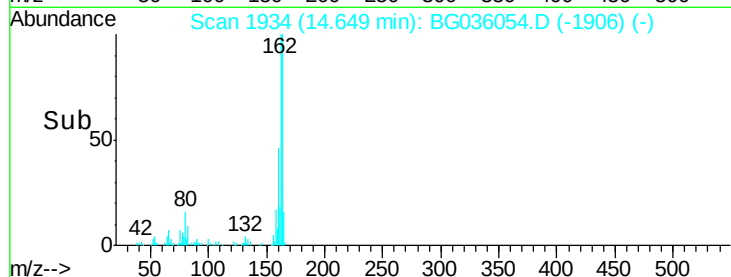
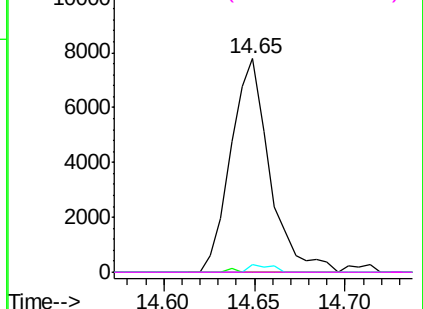


Abundance Ion 165.00 (164.70 to 165.70): E

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: BG036054.D

Acq: 2 Aug 2018 10:51

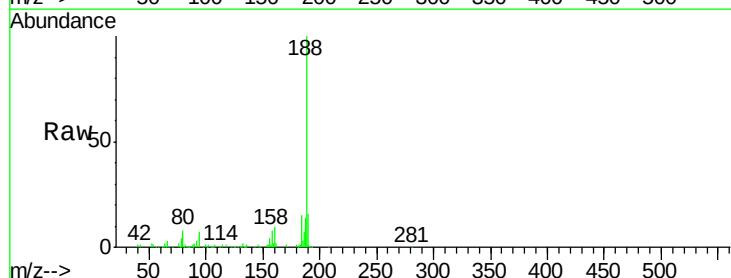
Tgt Ion:188 Resp: 252036

Ion Ratio Lower Upper

188 100

94 7.5 6.9 10.3

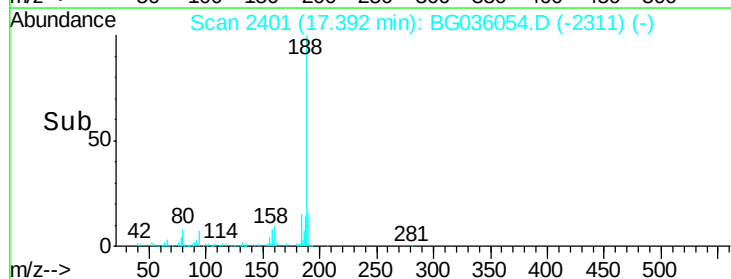
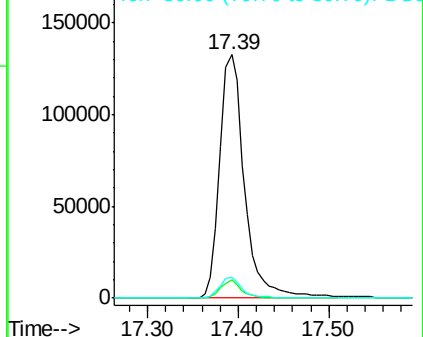
80 8.5 7.7 11.5

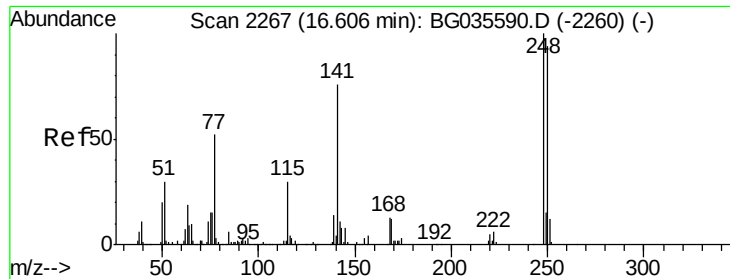


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC

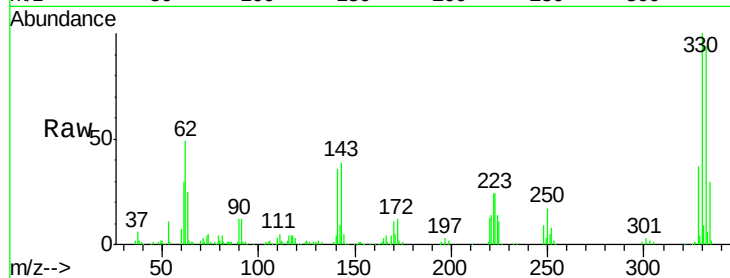




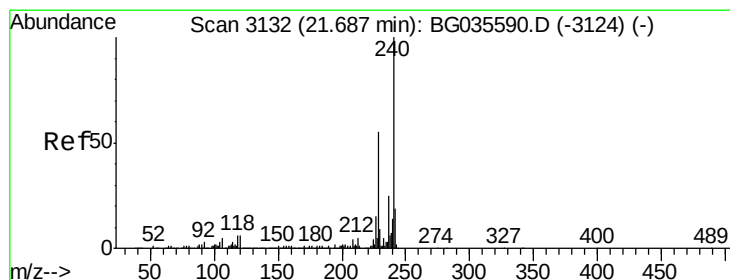
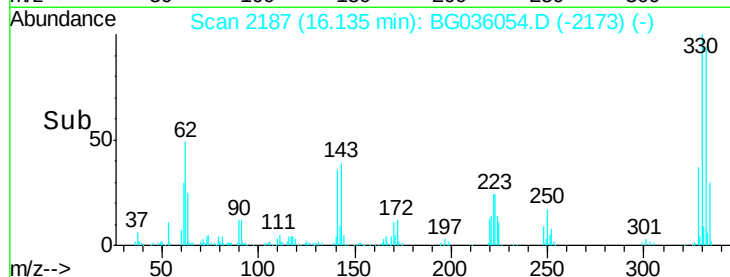
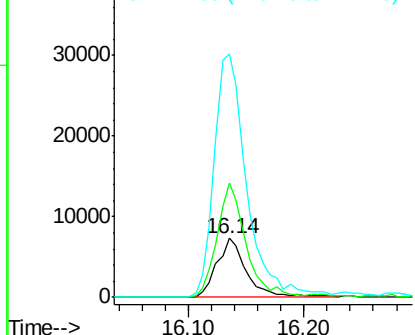
#66
 4-Bromophenyl-phenylether
 Concen: 4.501 ng
 RT: 16.14 min Scan# 2187
 Delta R.T. -0.45 min
 Lab File: BG036054.D
 Acq: 2 Aug 2018 10:51

Instrument :
 BNA_G
 ClientSampleId :
 PB111656BL

Tgt Ion:248 Resp: 13160
 Ion Ratio Lower Upper
 248 100
 250 194.5 77.1 115.7#
 141 414.7 50.8 76.2#

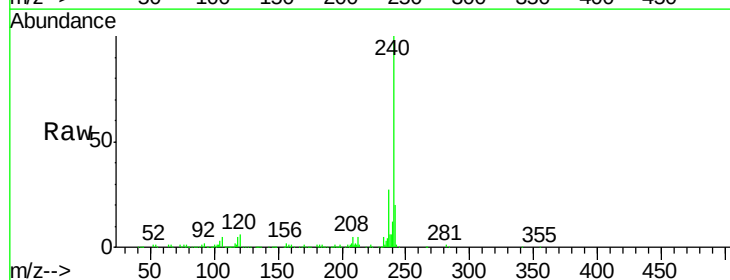


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

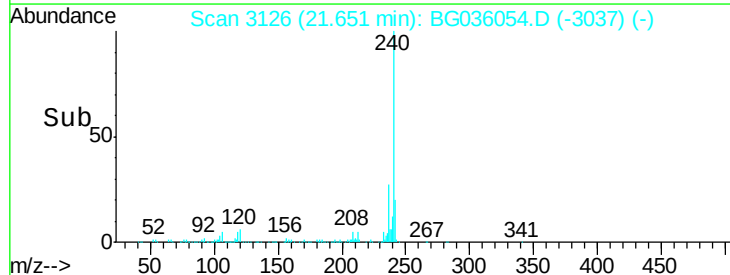
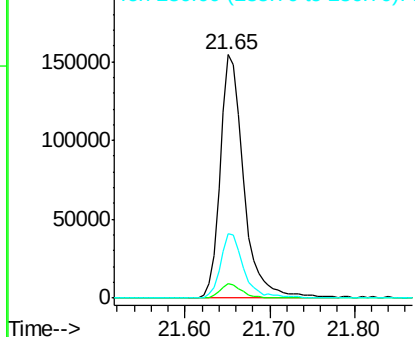


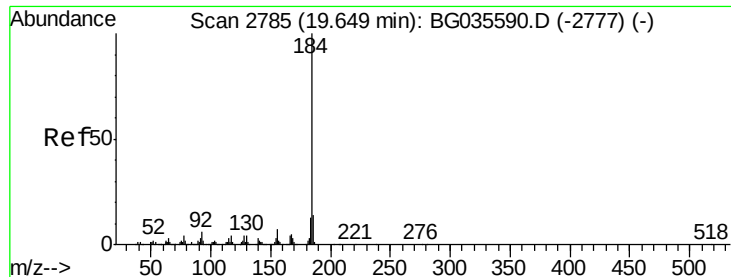
#75
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.65 min Scan# 3126
 Delta R.T. -0.01 min
 Lab File: BG036054.D
 Acq: 2 Aug 2018 10:51

Tgt Ion:240 Resp: 298974
 Ion Ratio Lower Upper
 240 100
 120 6.1 6.8 10.2#
 236 26.6 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: 2.484 ng

RT: 20.00 min Scan# 2845

Delta R.T. 0.37 min

Lab File: BG036054.D

Acq: 2 Aug 2018 10:51

Instrument :

BNA_G

ClientSampleId :

PB111656BL

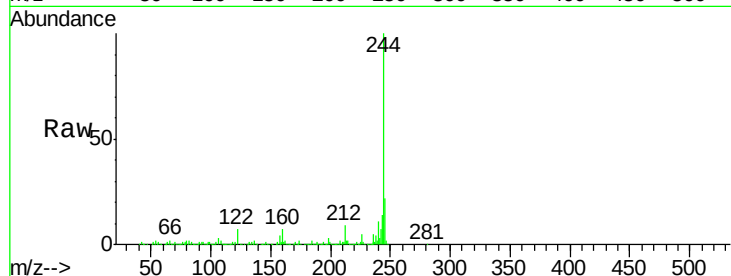
Tgt Ion:184 Resp: 19521

Ion Ratio Lower Upper

184 100

185 13.5 11.1 16.7

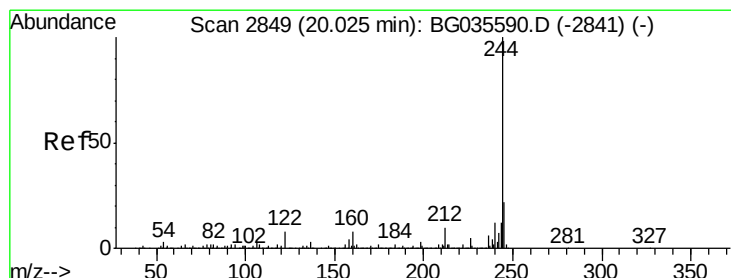
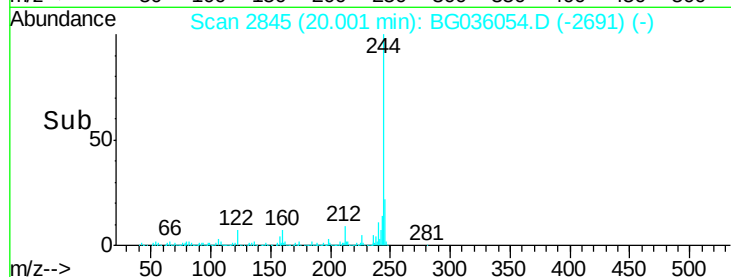
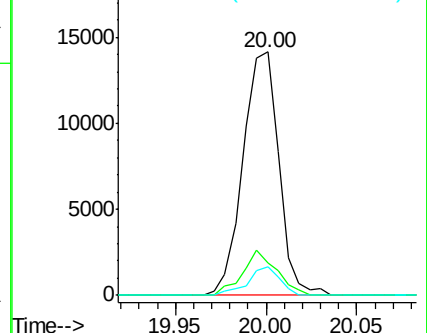
183 11.5 10.6 16.0



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: 88.888 ng

RT: 19.99 min Scan# 2844

Delta R.T. -0.01 min

Lab File: BG036054.D

Acq: 2 Aug 2018 10:51

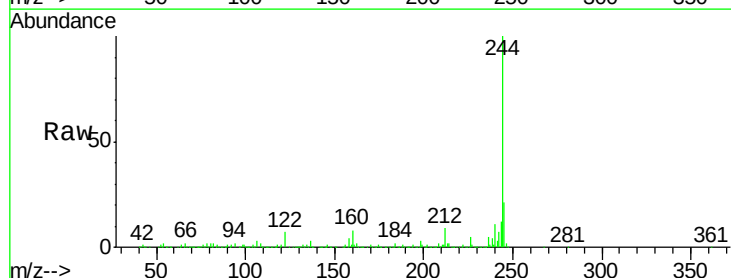
Tgt Ion:244 Resp: 1205608

Ion Ratio Lower Upper

244 100

212 9.0 5.8 8.8#

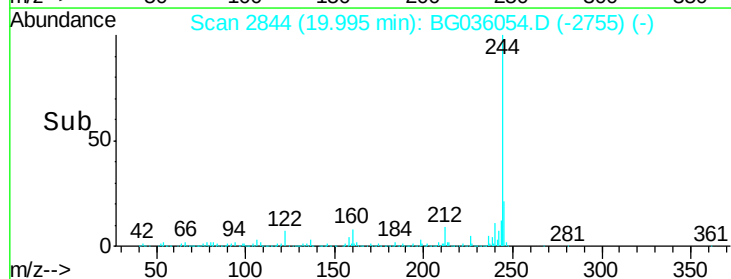
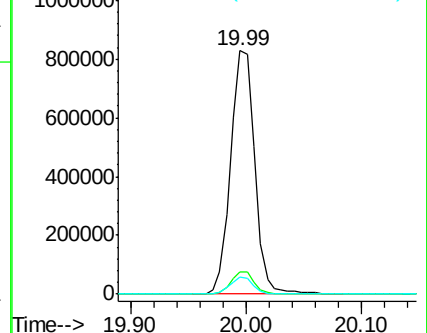
122 7.1 7.0 10.4

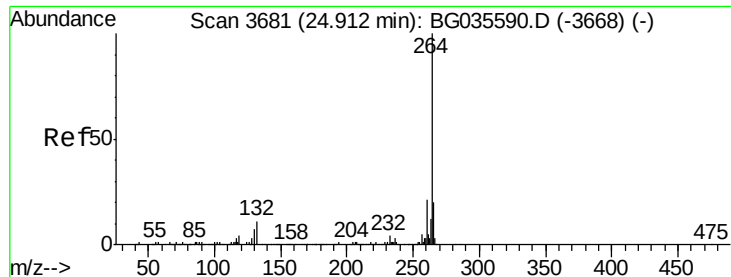


Abundance Ion 244.00 (243.70 to 244.70): E

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: 24.85 min Scan# 3671
Delta R.T. -0.01 min
Lab File: BG036054.D
Acq: 2 Aug 2018 10:51

Instrument :
BNA_G
ClientSampleId :
PB111656BL

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.7	17.4	26.0
265	20.2	17.7	26.5

