

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG080818\
 Data File : BG036232.D
 Acq On : 9 Aug 2018 14:22
 Operator : JU/SJ
 Sample : PB111883BL
 Misc :
 ALS Vial : 36 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 PB111883BL

Quant Time: Aug 09 15:00:11 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

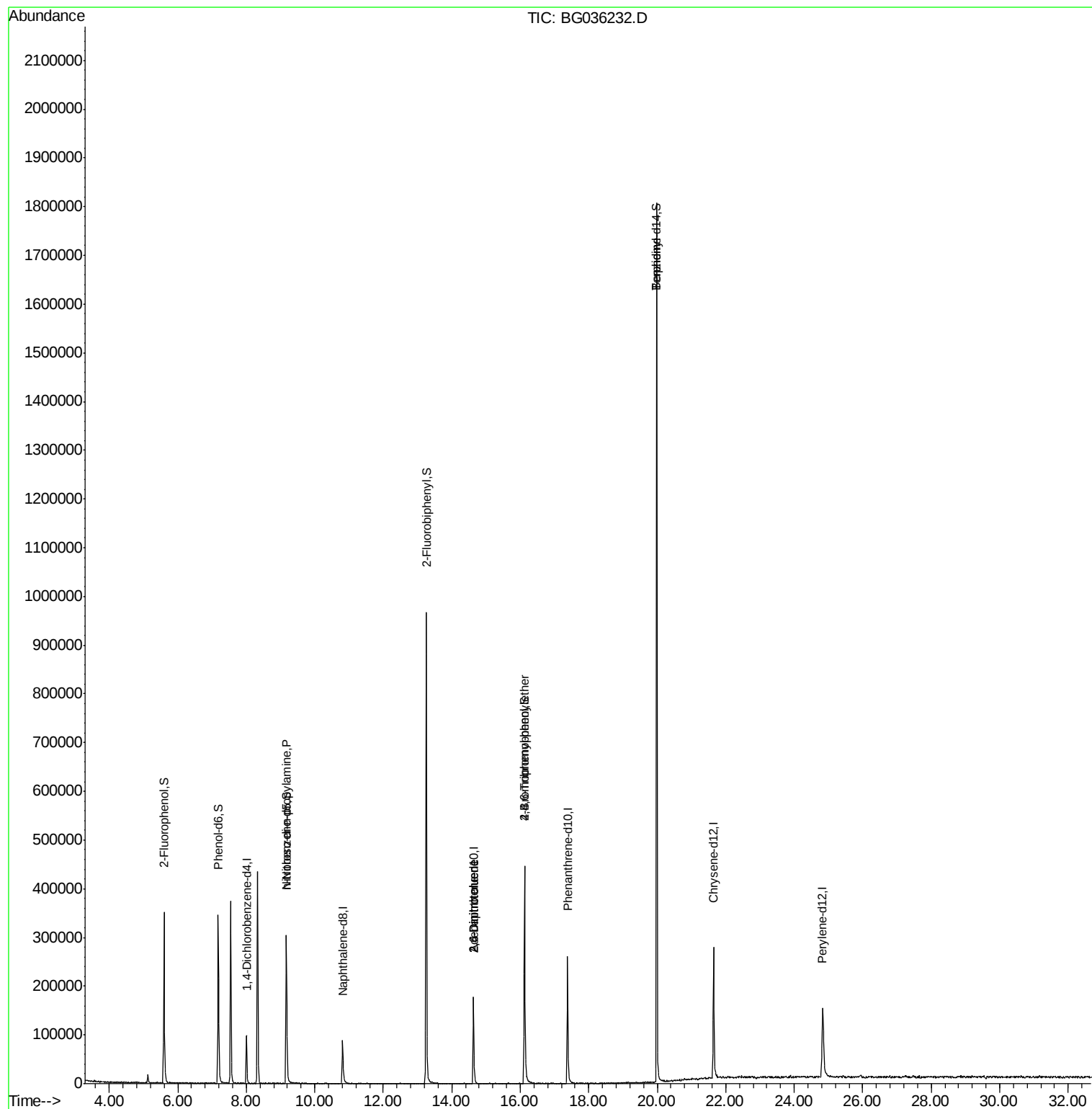
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.01	152	29633	20.00	ng	-0.01
21) Naphthalene-d8	10.81	136	100671	20.00	ng	-0.02
38) Acenaphthene-d10	14.64	164	74837	20.00	ng	-0.01
63) Phenanthrene-d10	17.38	188	205361	20.00	ng	-0.01
75) Chrysene-d12	21.64	240	217874	20.00	ng	-0.01
86) Perylene-d12	24.83	264	201972	20.00	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.60	112	163931	91.84	ng	0.00
7) Phenol-d6	7.18	99	231976	87.11	ng	-0.01
23) Nitrobenzene-d5	9.17	82	231310	95.99	ng	-0.01
41) 2,4,6-Tribromophenol	16.12	330	103628	105.06	ng	-0.02
44) 2-Fluorobiphenyl	13.26	172	571550	102.32	ng	-0.02
78) Terphenyl-d14	19.99	244	955710	96.69	ng	-0.01
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.17	70	30655	13.670	ng	# 66
50) 2,6-Dinitrotoluene	14.63	165	10106	7.569	ng	# 18
56) 2,4-Dinitrotoluene	14.63	165	10106	5.276	ng	# 16
66) 4-Bromophenyl-phenylether	16.12	248	8443	3.544	ng	# 1
76) Benzidine	19.99	184	15658	2.734	ng	97

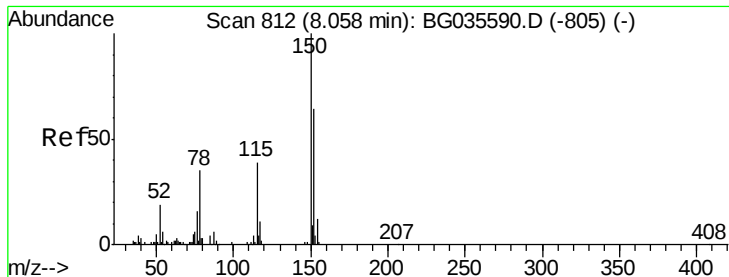
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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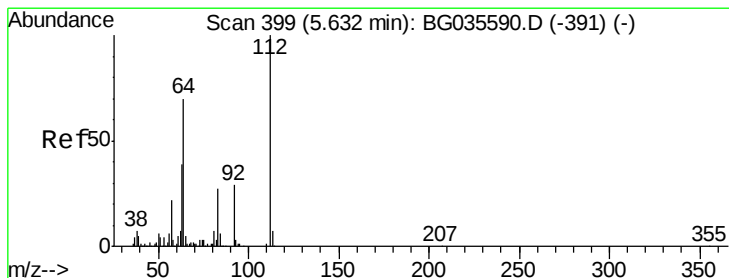
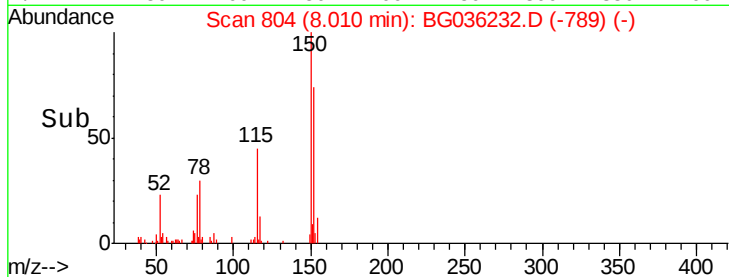
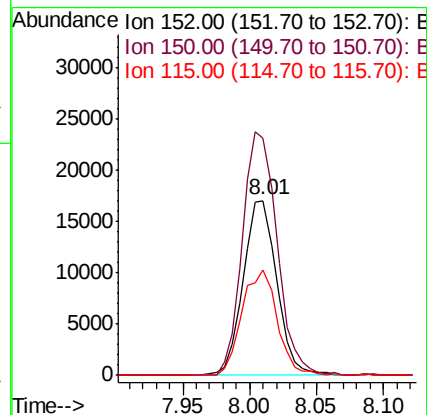
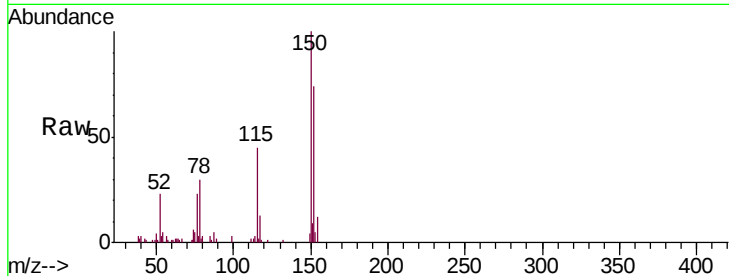


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.01 min Scan# 804
Delta R.T. -0.01 min
Lab File: BG036232.D
Acq: 9 Aug 2018 14:22

Instrument :
BNA_G
ClientSampleId :
PB111883BL

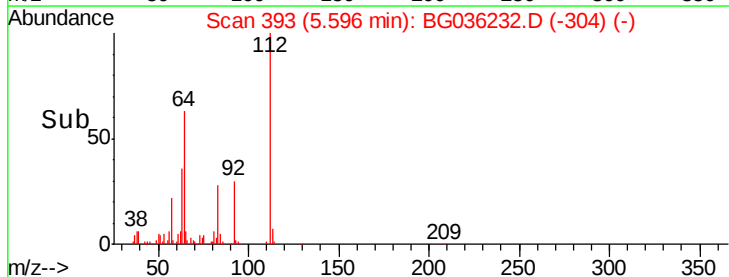
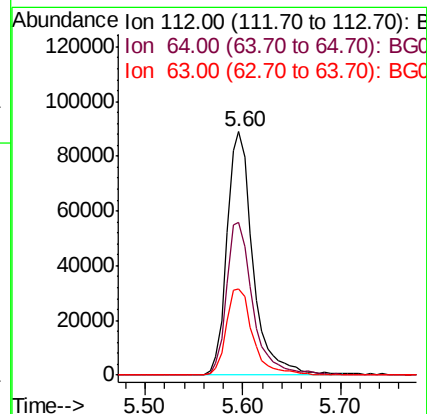
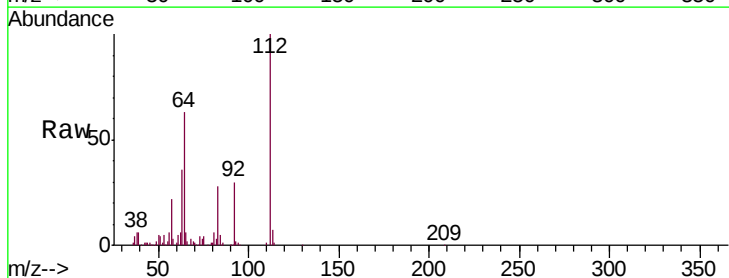
Tgt Ion:152 Resp: 29633
Ion Ratio Lower Upper
152 100
150 135.5 126.6 189.8
115 60.4 53.0 79.4

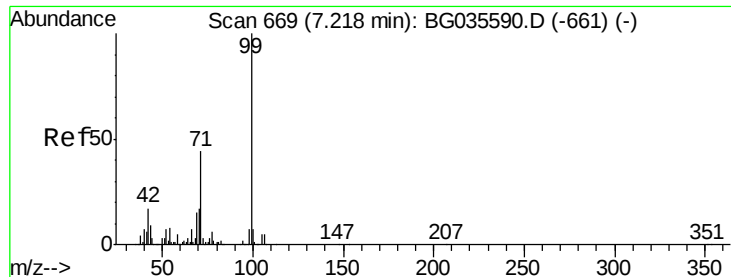


#5

2-Fluorophenol
Concen: 91.845 ng
RT: 5.60 min Scan# 393
Delta R.T. -0.01 min
Lab File: BG036232.D
Acq: 9 Aug 2018 14:22

Tgt Ion:112 Resp: 163931
Ion Ratio Lower Upper
112 100
64 62.9 56.3 84.5
63 35.6 30.1 45.1





#7

Phenol-d6

Concen: 87.111 ng

RT: 7.18 min Scan# 663

Delta R.T. -0.01 min

Lab File: BG036232.D

Acq: 9 Aug 2018 14:22

Instrument :

BNA_G

ClientSampleId :

PB111883BL

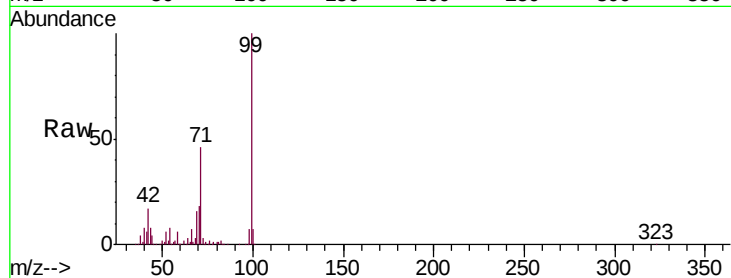
Tgt Ion: 99 Resp: 231976

Ion Ratio Lower Upper

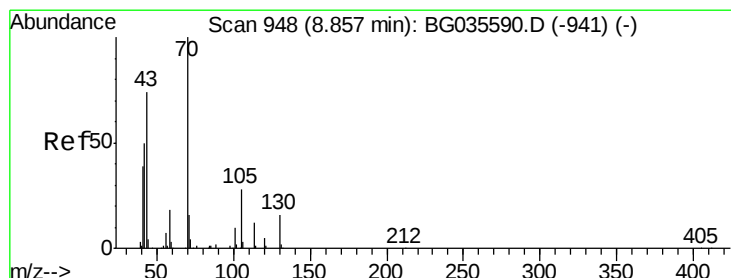
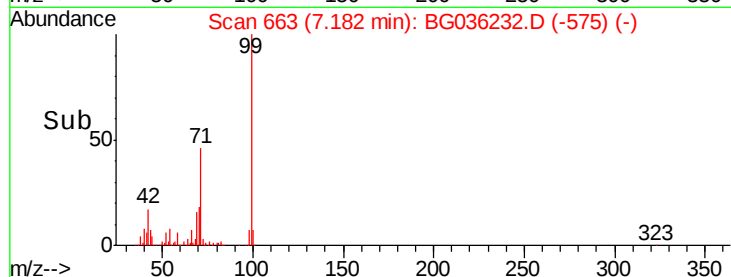
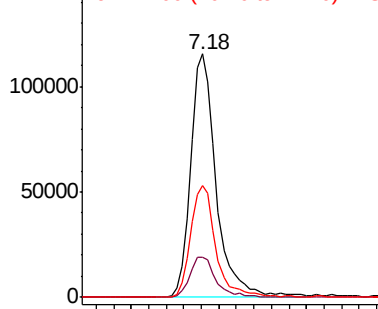
99 100

42 16.5 14.1 21.1

71 45.8 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: 13.670 ng

RT: 9.17 min Scan# 1002

Delta R.T. 0.34 min

Lab File: BG036232.D

Acq: 9 Aug 2018 14:22

Tgt Ion: 70 Resp: 30655

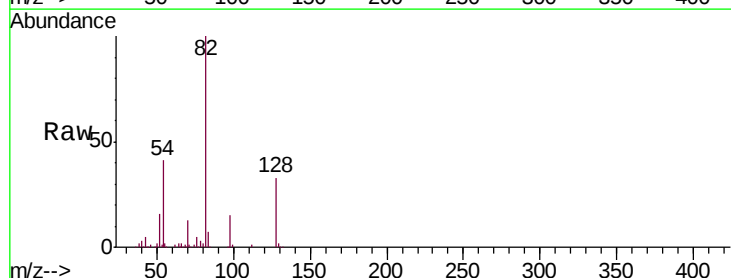
Ion Ratio Lower Upper

70 100

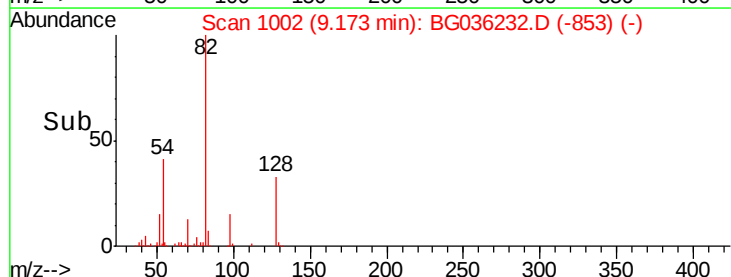
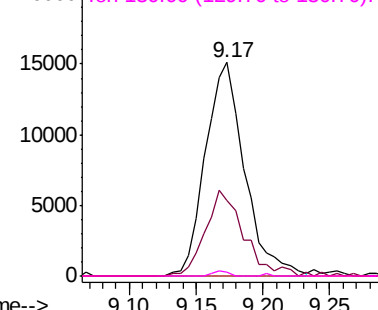
42 35.2 49.1 73.7#

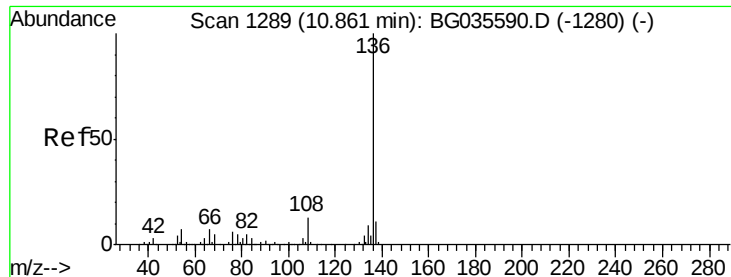
101 0.0 8.5 12.7#

130 2.0 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

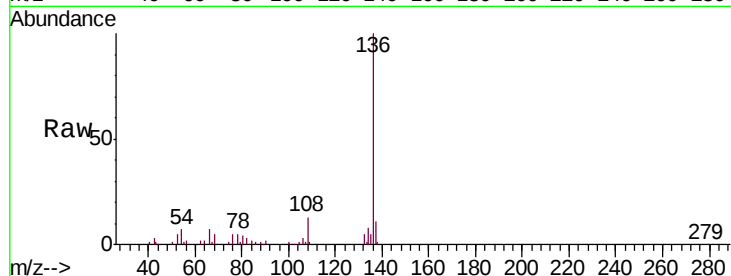




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.81 min Scan# 1281
Delta R.T. -0.02 min
Lab File: BG036232.D
Acq: 9 Aug 2018 14:22

Instrument :
BNA_G
ClientSampleId :
PB111883BL

Tgt Ion:	136	Resp:	100671
Ion	Ratio	Lower	Upper
136	100		
137	11.0	9.2	13.8
54	7.0	10.3	15.5#
68	4.6	4.5	6.7



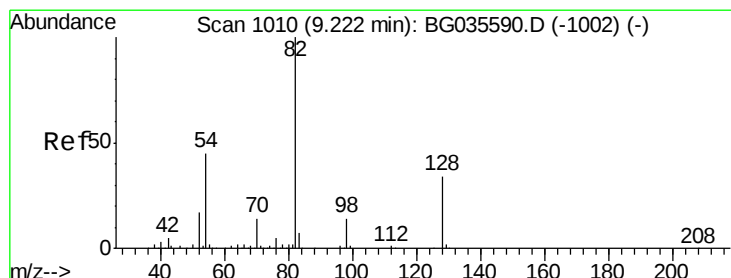
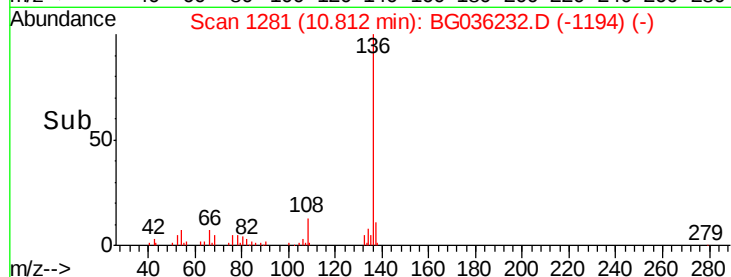
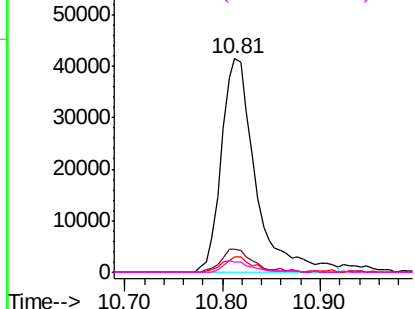
Abundance

Ion 136.00 (135.70 to 136.70): BGC

Ion 137.00 (136.70 to 137.70): BGC

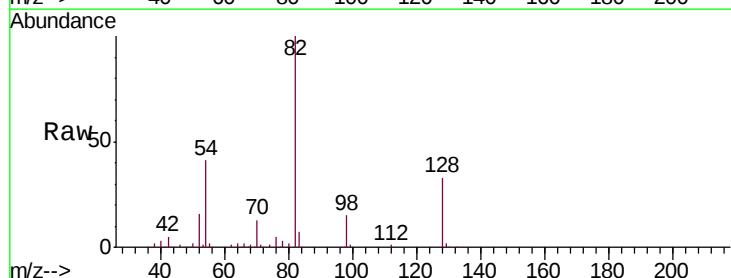
Ion 54.00 (53.70 to 54.70): BGC

Ion 68.00 (67.70 to 68.70): BGC



#23
Nitrobenzene-d5
Concen: 95.985 ng
RT: 9.17 min Scan# 1002
Delta R.T. -0.01 min
Lab File: BG036232.D
Acq: 9 Aug 2018 14:22

Tgt Ion:	82	Resp:	231310
Ion	Ratio	Lower	Upper
82	100		
128	32.5	29.7	44.5
54	41.2	43.1	64.7#

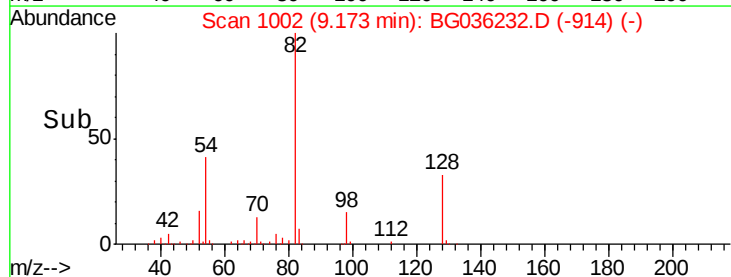
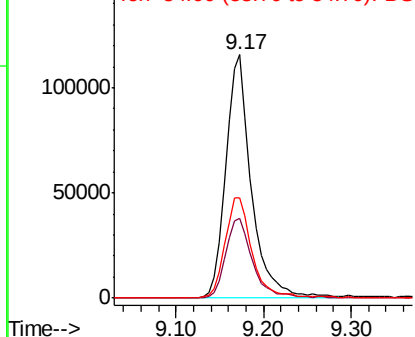


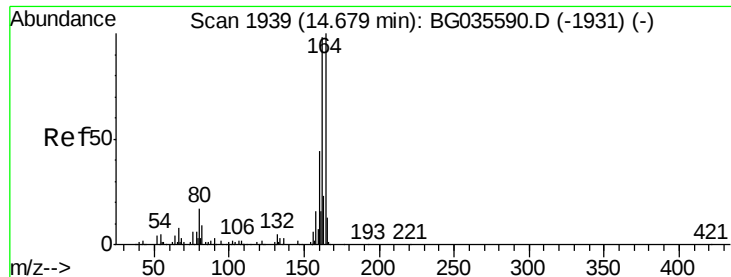
Abundance

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# 1932

Delta R.T. -0.01 min

Lab File: BG036232.D

Acq: 9 Aug 2018 14:22

Instrument :

BNA_G

ClientSampleId :

PB111883BL

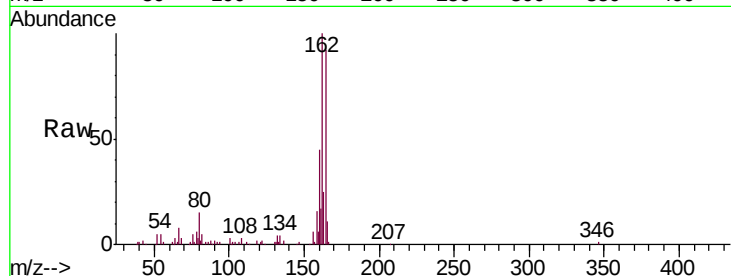
Tgt Ion:164 Resp: 74837

Ion Ratio Lower Upper

164 100

162 108.5 78.8 118.2

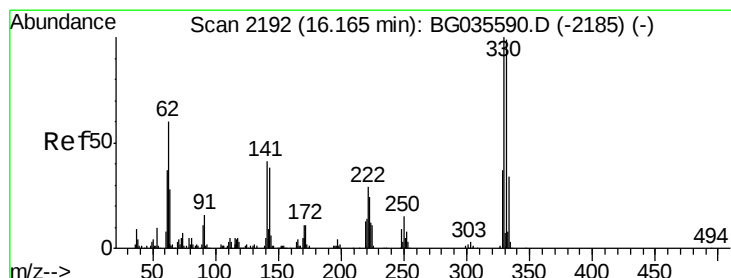
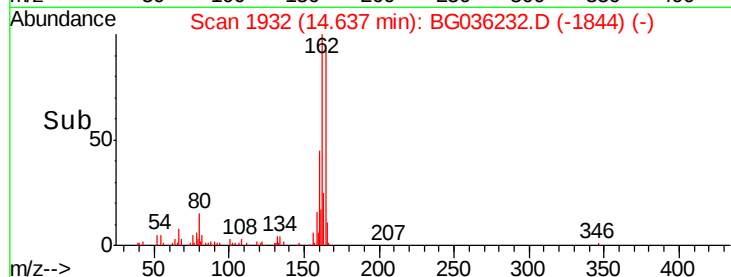
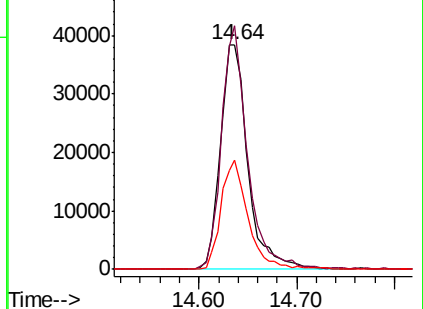
160 48.8 35.4 53.0



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: 105.057 ng

RT: 16.12 min Scan# 2185

Delta R.T. -0.02 min

Lab File: BG036232.D

Acq: 9 Aug 2018 14:22

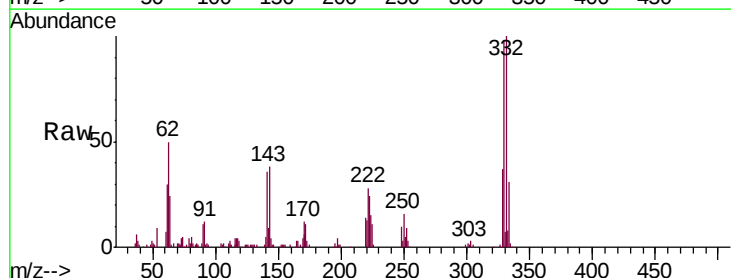
Tgt Ion:330 Resp: 103628

Ion Ratio Lower Upper

330 100

332 95.8 77.0 115.6

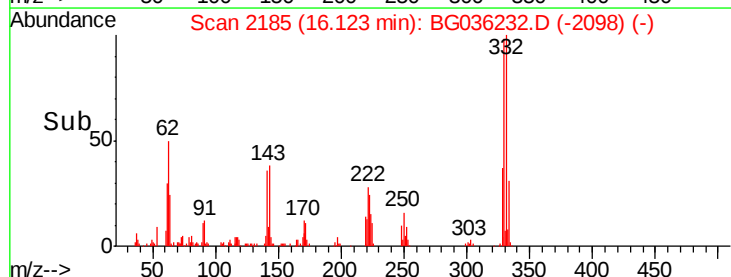
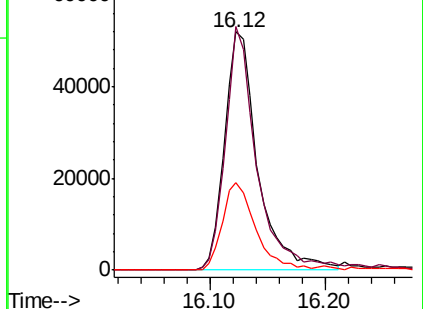
141 36.4 25.2 37.8

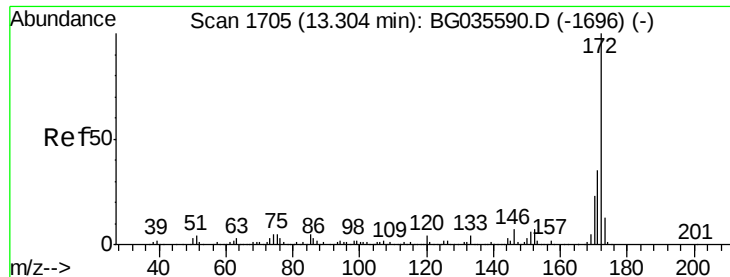


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

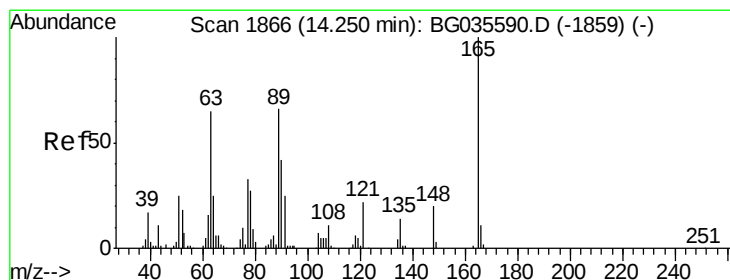
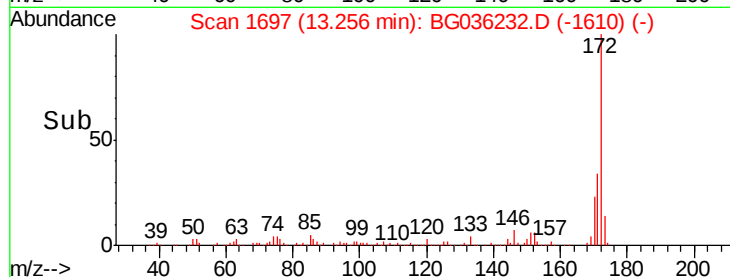
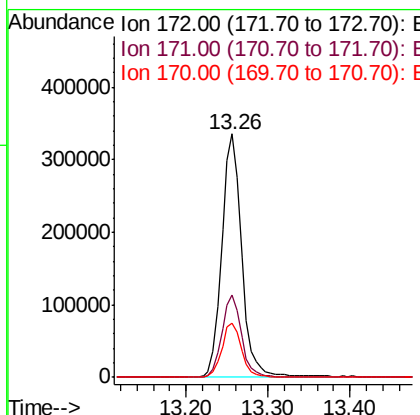
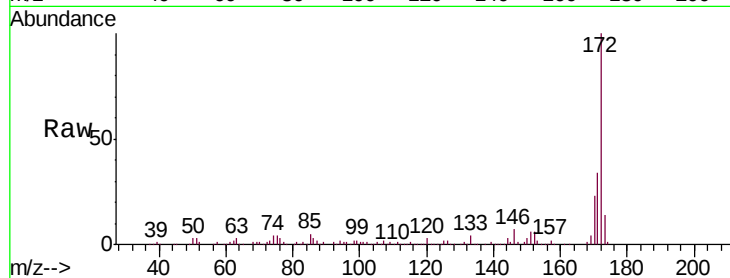




#44
 2-Fluorobiphenyl
 Concen: 102.320 ng
 RT: 13.26 min Scan# 1697
 Delta R.T. -0.02 min
 Lab File: BG036232.D
 Acq: 9 Aug 2018 14:22

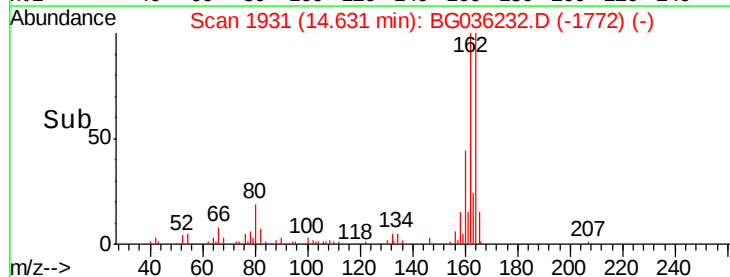
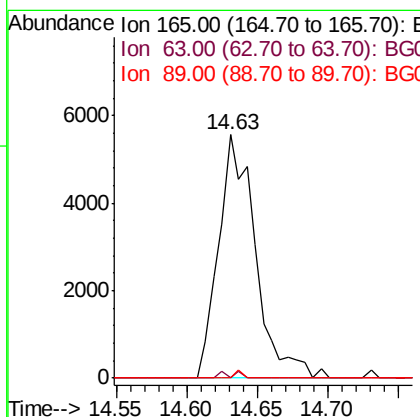
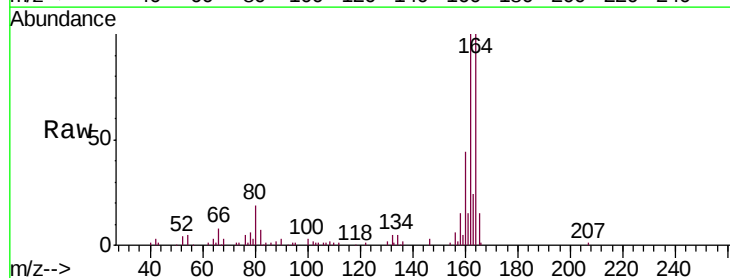
Instrument :
 BNA_G
 ClientSampleId :
 PB111883BL

Tgt Ion:172 Resp: 571550
 Ion Ratio Lower Upper
 172 100
 171 33.7 30.0 45.0
 170 22.5 19.5 29.3



#50
 2,6-Dinitrotoluene
 Concen: 7.569 ng
 RT: 14.63 min Scan# 1931
 Delta R.T. 0.40 min
 Lab File: BG036232.D
 Acq: 9 Aug 2018 14:22

Tgt Ion:165 Resp: 10106
 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: 5.276 ng

RT: 14.63 min Scan# 1931

Delta R.T. -0.38 min

Lab File: BG036232.D

Acq: 9 Aug 2018 14:22

Instrument :

BNA_G

ClientSampleId :

PB111883BL

Tgt Ion:165 Resp: 10106

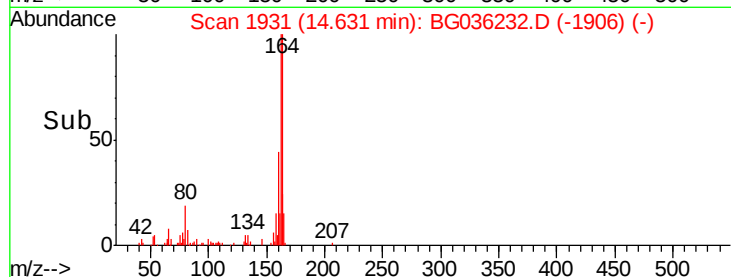
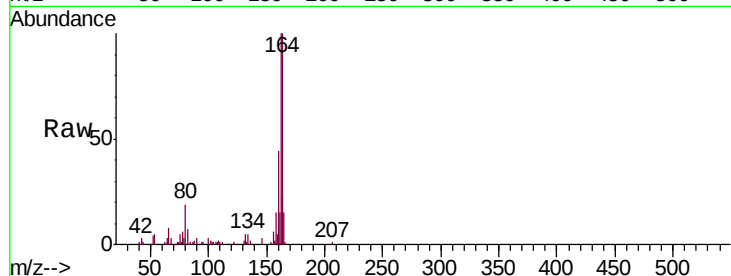
Ion Ratio Lower Upper

165 100

63 0.0 42.0 63.0#

89 0.0 66.9 100.3#

182 0.0 2.6 3.8#

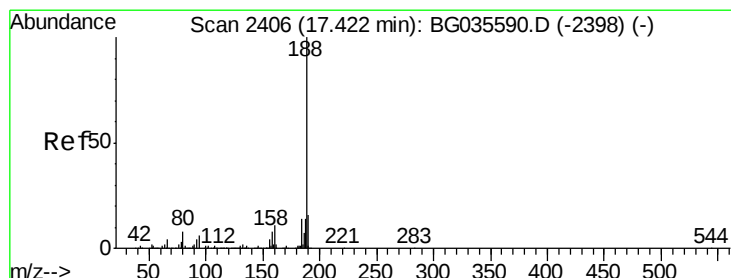
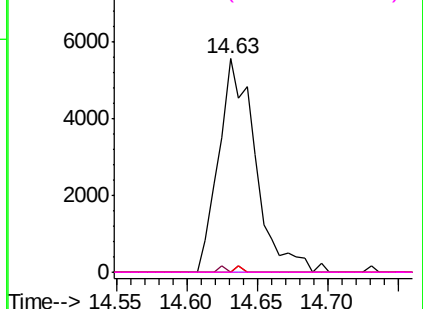


Abundance Ion 165.00 (164.70 to 165.70): E

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: 17.38 min Scan# 2399

Delta R.T. -0.01 min

Lab File: BG036232.D

Acq: 9 Aug 2018 14:22

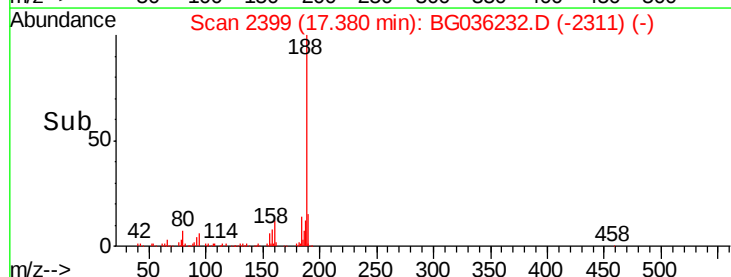
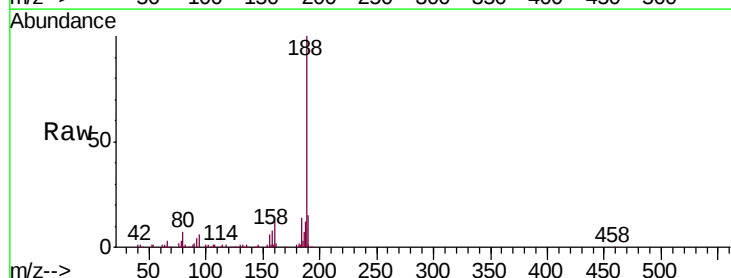
Tgt Ion:188 Resp: 205361

Ion Ratio Lower Upper

188 100

94 5.7 6.9 10.3#

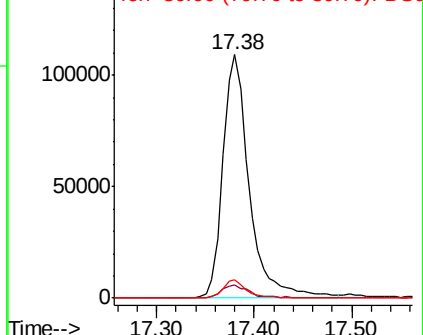
80 7.4 7.7 11.5#

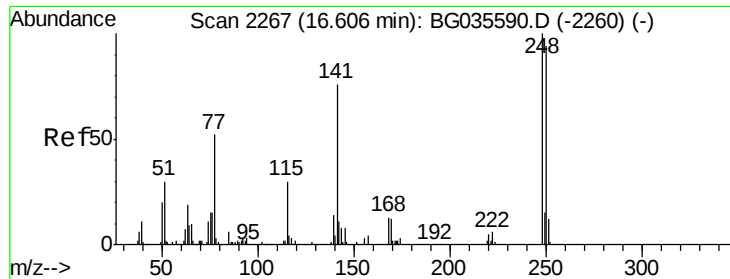


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC





#66

4-Bromophenyl-phenylether

Concen: 3.544 ng

RT: 16.12 min Scan# 2185

Delta R.T. -0.46 min

Lab File: BG036232.D

Acq: 9 Aug 2018 14:22

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ClientSampleId :

PB111883BL

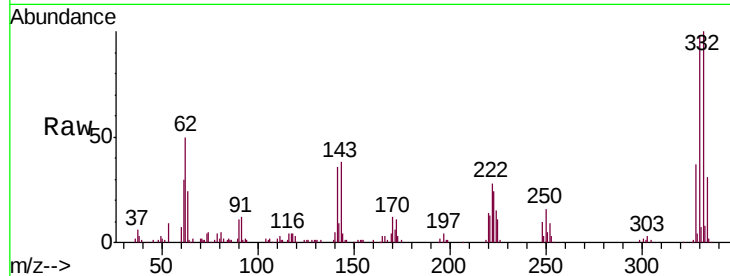
Tgt Ion:248 Resp: 8443

Ion Ratio Lower Upper

248 100

250 156.4 77.1 115.7#

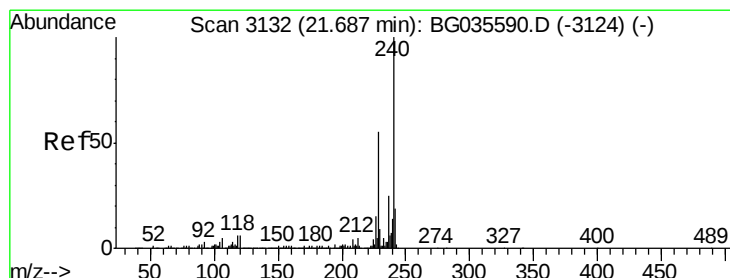
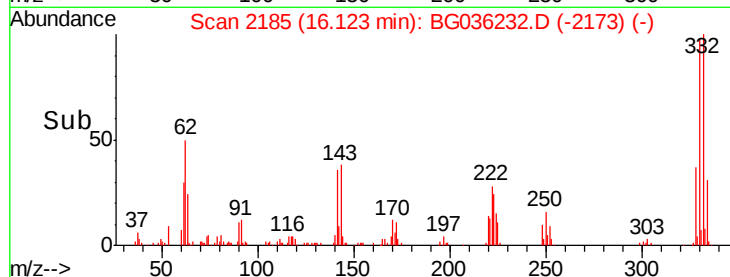
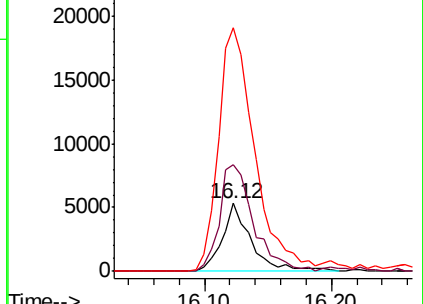
141 358.4 50.8 76.2#



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: 21.64 min Scan# 3125

Delta R.T. -0.01 min

Lab File: BG036232.D

Acq: 9 Aug 2018 14:22

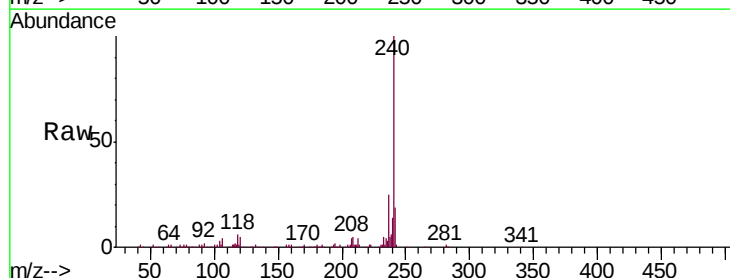
Tgt Ion:240 Resp: 217874

Ion Ratio Lower Upper

240 100

120 4.7 6.8 10.2#

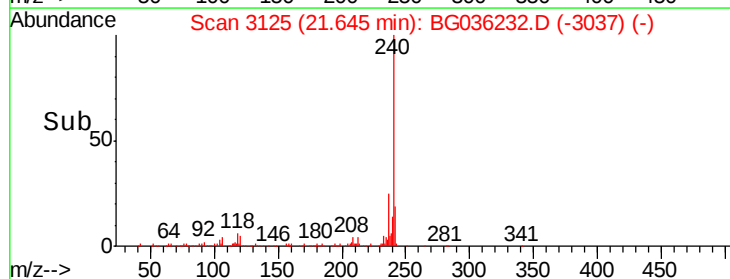
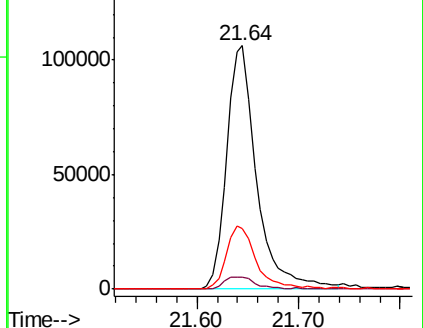
236 24.8 20.9 31.3



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: 2.734 ng

RT: 19.99 min Scan# 2843

Delta R.T. 0.36 min

Lab File: BG036232.D

Acq: 9 Aug 2018 14:22

Instrument :

BNA_G

ClientSampleId :

PB111883BL

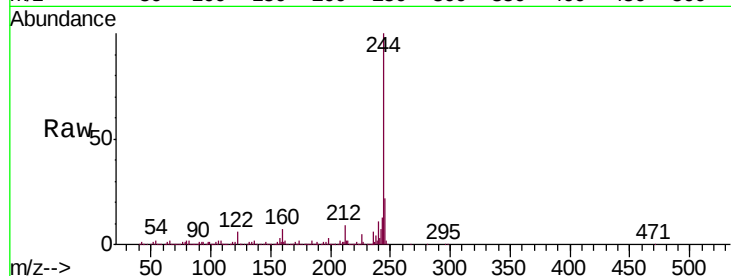
Tgt Ion:184 Resp: 15658

Ion Ratio Lower Upper

184 100

185 14.5 11.1 16.7

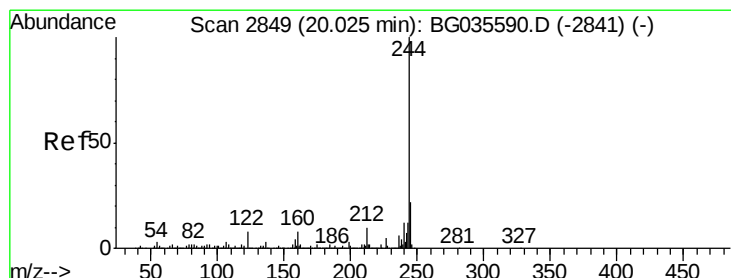
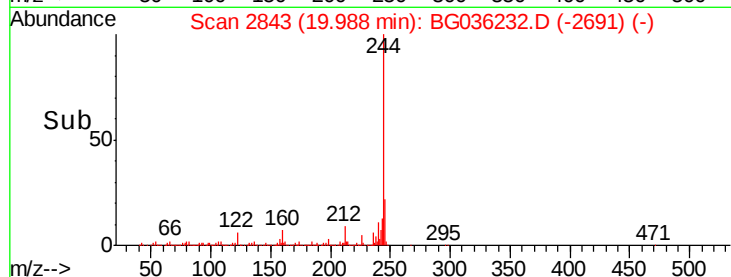
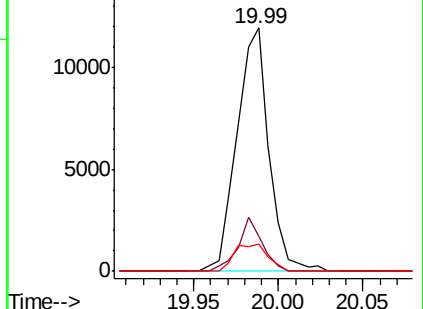
183 11.4 10.6 16.0



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: 96.692 ng

RT: 19.99 min Scan# 2843

Delta R.T. -0.01 min

Lab File: BG036232.D

Acq: 9 Aug 2018 14:22

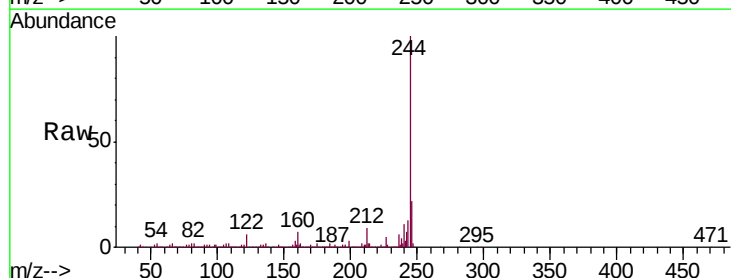
Tgt Ion:244 Resp: 955710

Ion Ratio Lower Upper

244 100

212 9.0 5.8 8.8#

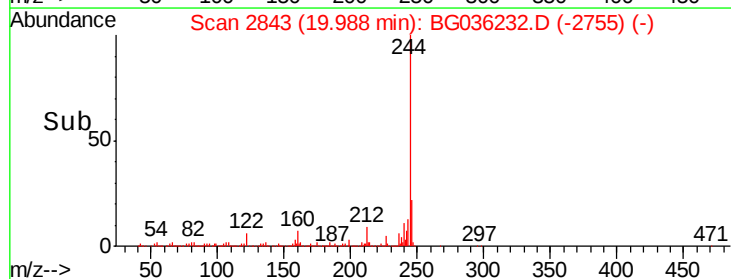
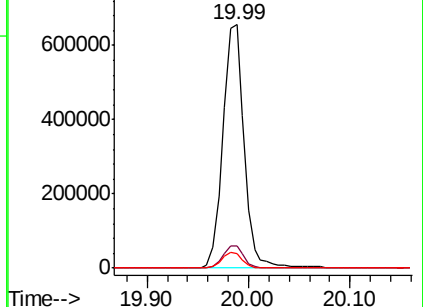
122 5.8 7.0 10.4#

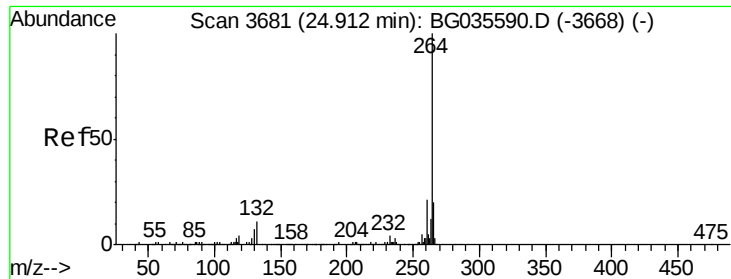


Abundance Ion 244.00 (243.70 to 244.70): E

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: 24.83 min Scan# 3667
Delta R.T. -0.03 min
Lab File: BG036232.D
Acq: 9 Aug 2018 14:22

Instrument :
BNA_G
ClientSampleId :
PB111883BL

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.2	17.4	26.0
265	21.0	17.7	26.5

