

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG100518\
 Data File : BG037176.D
 Acq On : 5 Oct 2018 6:05
 Operator : JU/SJ
 Sample : J5218-02
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 280-356

Quant Time: Oct 05 08:43:01 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG092018.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Sep 24 10:41:23 2018
 Response via : Initial Calibration

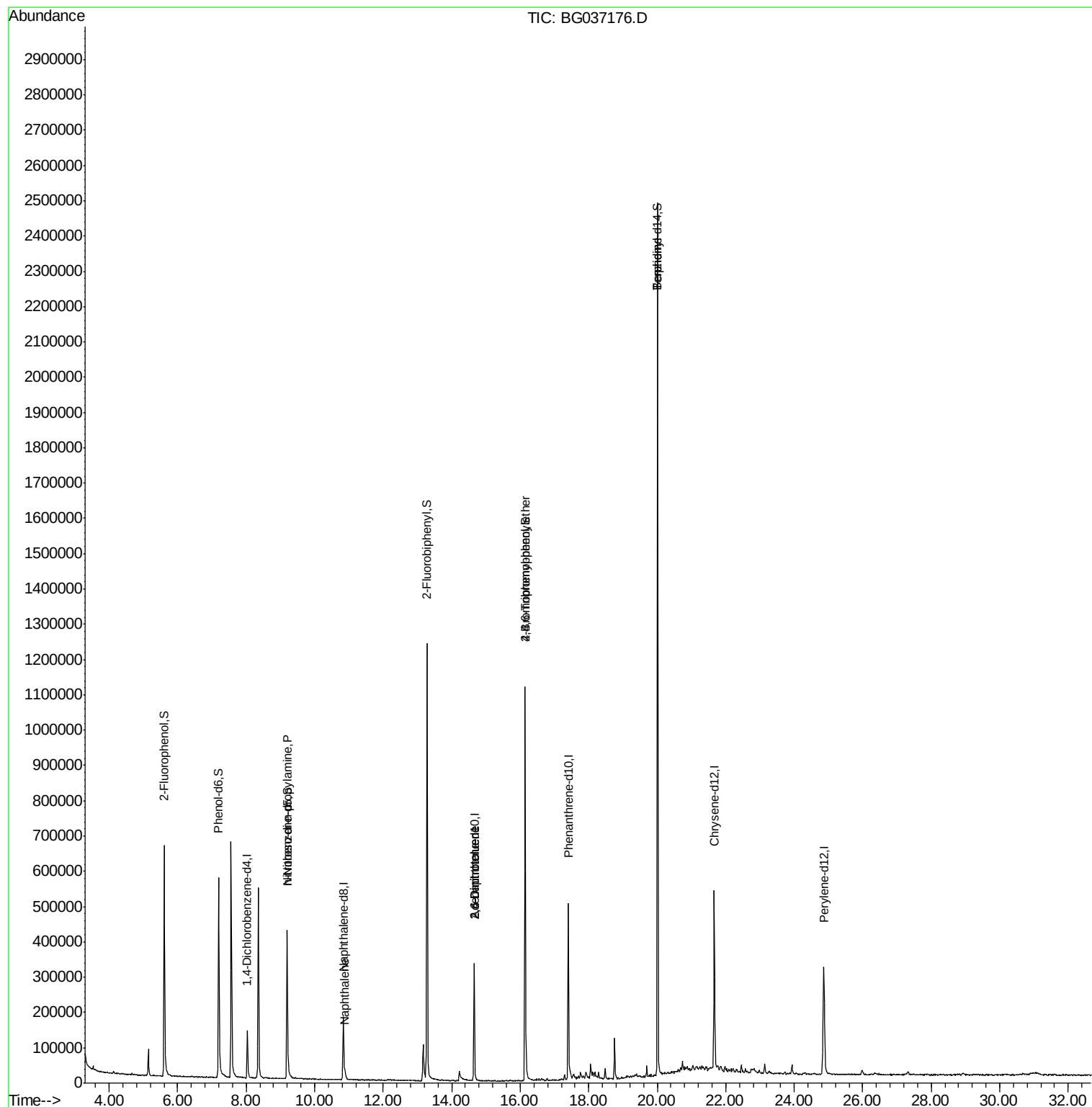
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.03	152	44260	20.00	ng	-0.02
21) Naphthalene-d8	10.83	136	184554	20.00	ng	-0.02
38) Acenaphthene-d10	14.66	164	120413	20.00	ng	-0.02
63) Phenanthrene-d10	17.40	188	333018	20.00	ng	-0.02
75) Chrysene-d12	21.67	240	337777	20.00	ng	-0.02
86) Perylene-d12	24.86	264	341956	20.00	ng	-0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.60	112	303978	131.71	ng	-0.02
7) Phenol-d6	7.20	99	379040	106.15	ng	-0.02
23) Nitrobenzene-d5	9.19	82	309066	89.68	ng	-0.02
41) 2,4,6-Tribromophenol	16.15	330	212610	147.58	ng	-0.02
44) 2-Fluorobiphenyl	13.28	172	650388	80.45	ng	-0.02
78) Terphenyl-d14	20.01	244	1211342	94.30	ng	-0.02
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.19	70	41889	14.102	ng	# 72
31) Naphthalene	10.89	128	19192	2.186	ng	# 95
50) 2,6-Dinitrotoluene	14.65	165	15248	7.210	ng	# 23
56) 2,4-Dinitrotoluene	14.65	165	15248	5.167	ng	# 21
66) 4-Bromophenyl-phenylether	16.15	248	14816	3.911	ng	# 1
76) Benzidine	20.01	184	21369	2.093	ng	# 91

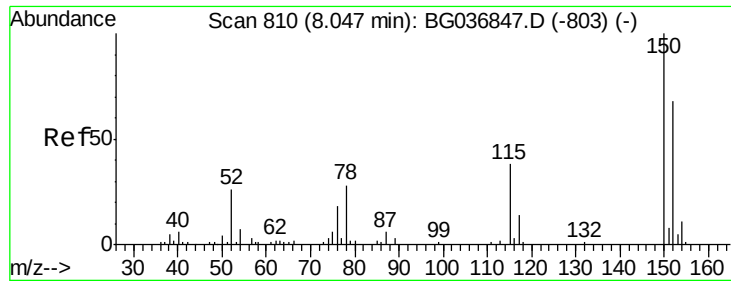
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 8.03 min Scan# 807

Delta R.T. -0.02 min

Lab File: BG037176.D

Acq: 5 Oct 2018 6:05

Instrument :

BNA_G

ClientSampleId :

280-356

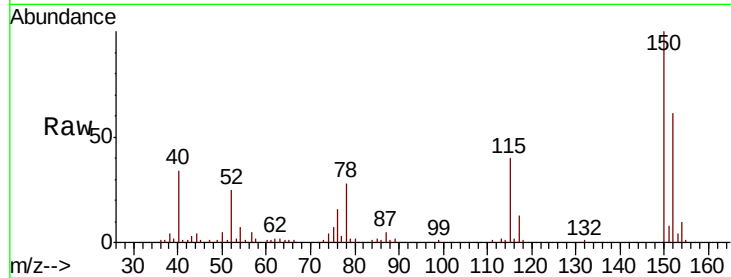
Tgt Ion:152 Resp: 44260

Ion Ratio Lower Upper

152 100

150 164.6 119.5 179.3

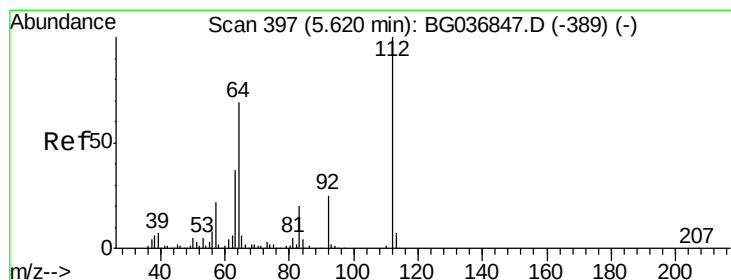
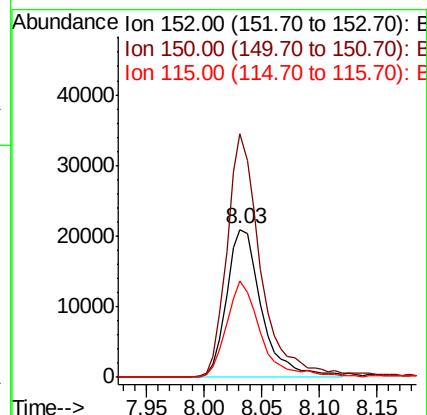
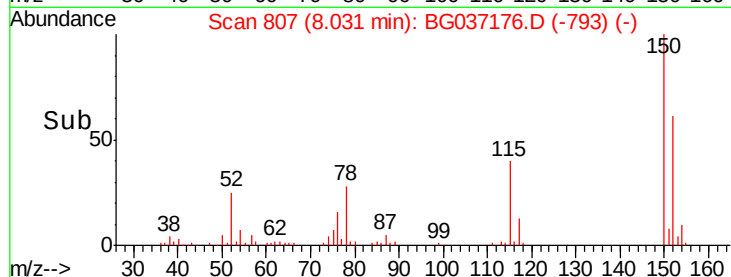
115 65.5 44.5 66.7



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: 131.713 ng

RT: 5.60 min Scan# 394

Delta R.T. -0.02 min

Lab File: BG037176.D

Acq: 5 Oct 2018 6:05

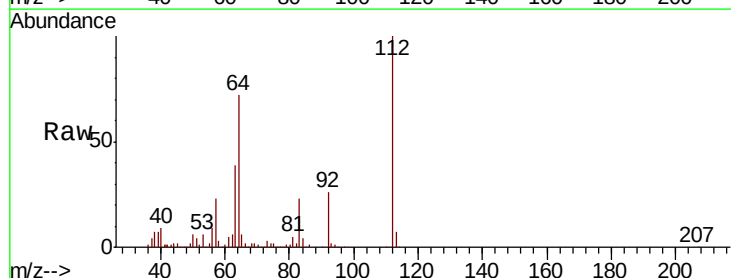
Tgt Ion:112 Resp: 303978

Ion Ratio Lower Upper

112 100

64 71.9 57.2 85.8

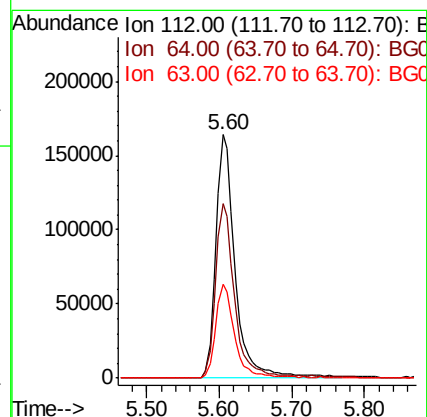
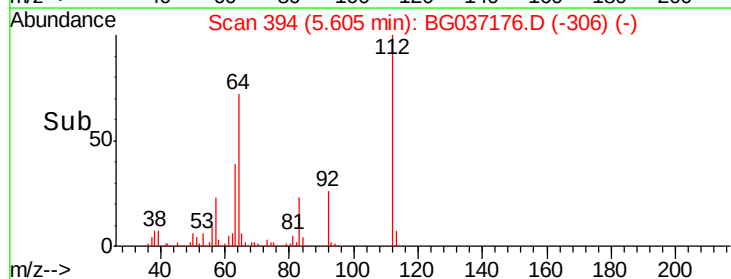
63 38.5 30.8 46.2

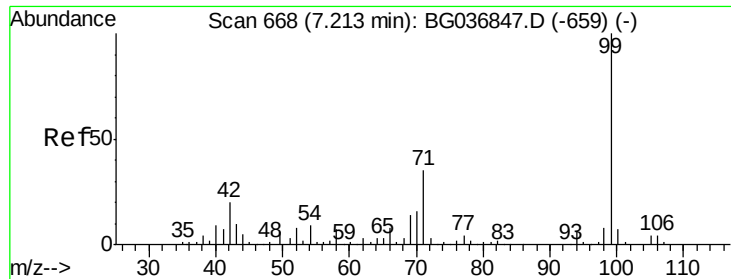


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BG0

Ion 63.00 (62.70 to 63.70): BG0





#7

Phenol-d6

Concen: 106.154 ng

RT: 7.20 min Scan# 665

Delta R.T. -0.02 min

Lab File: BG037176.D

Acq: 5 Oct 2018 6:05

Instrument :

BNA_G

ClientSampleId :

280-356

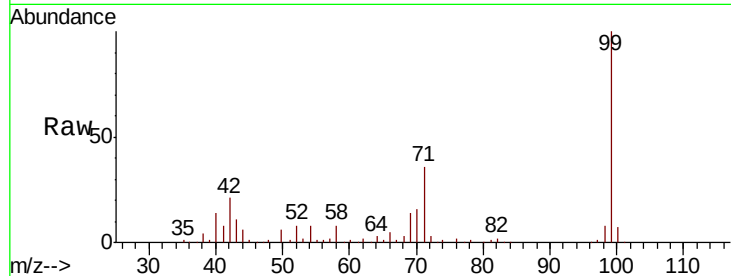
Tgt Ion: 99 Resp: 379040

Ion Ratio Lower Upper

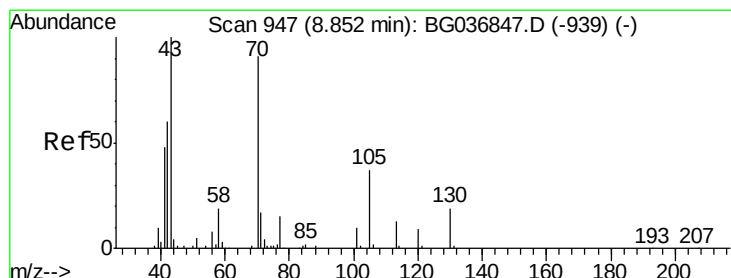
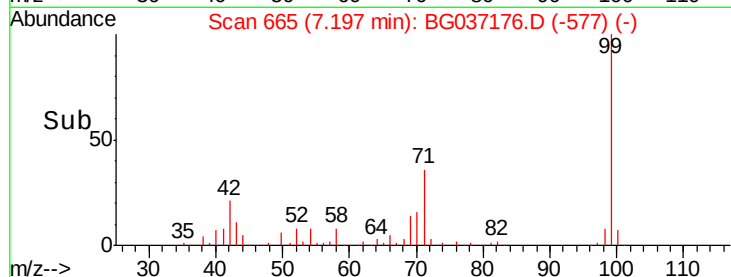
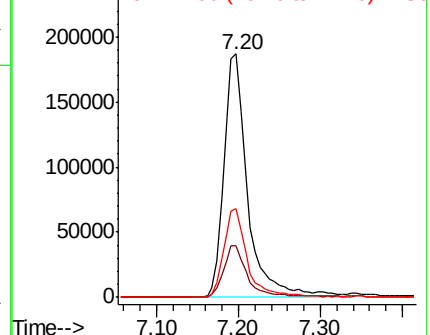
99 100

42 21.0 16.5 24.7

71 36.4 29.4 44.2



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: 14.102 ng

RT: 9.19 min Scan# 1005

Delta R.T. 0.34 min

Lab File: BG037176.D

Acq: 5 Oct 2018 6:05

Tgt Ion: 70 Resp: 41889

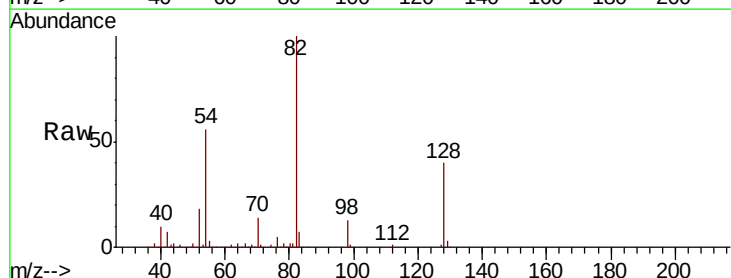
Ion Ratio Lower Upper

70 100

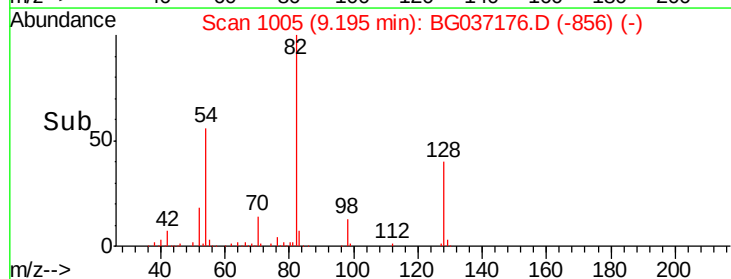
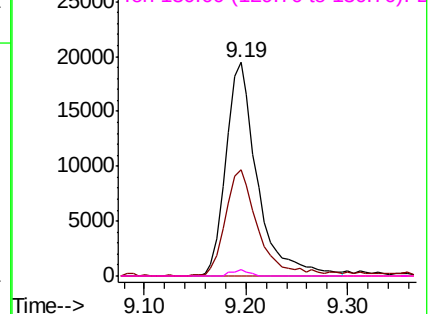
42 49.9 56.2 84.4#

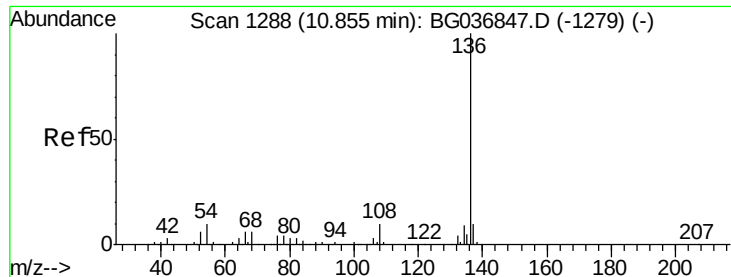
101 0.0 7.8 11.6#

130 2.8 16.2 24.2#



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# 1284

Delta R.T. -0.02 min

Lab File: BG037176.D

Acq: 5 Oct 2018 6:05

Instrument :

BNA_G

ClientSampleId :

280-356

Tgt Ion: 136 Resp: 184554

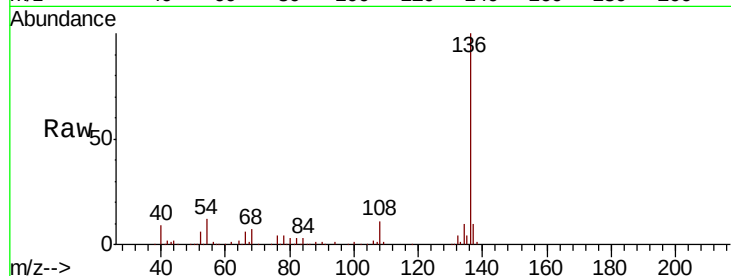
Ion Ratio Lower Upper

136 100

137 10.5 8.8 13.2

54 11.6 9.2 13.8

68 6.8 5.8 8.6

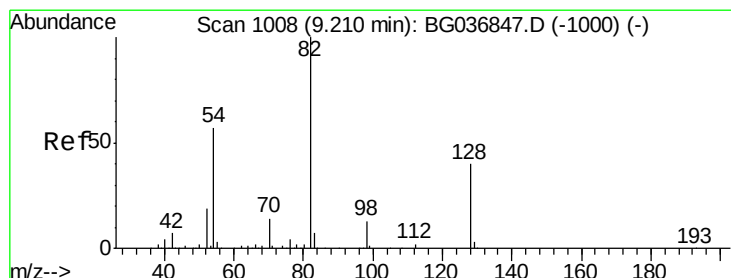
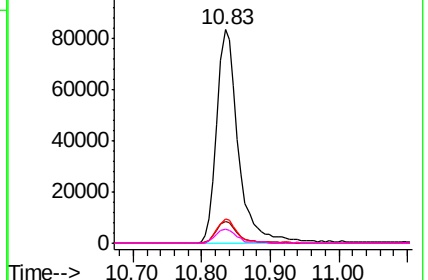
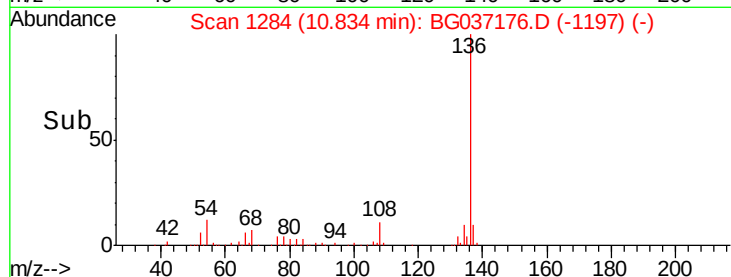


Abundance Ion 136.00 (135.70 to 136.70): E

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: 89.680 ng

RT: 9.19 min Scan# 1005

Delta R.T. -0.02 min

Lab File: BG037176.D

Acq: 5 Oct 2018 6:05

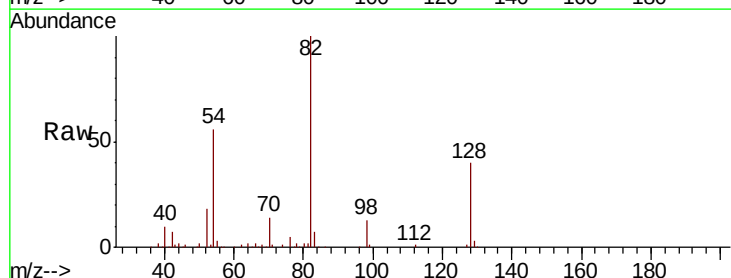
Tgt Ion: 82 Resp: 309066

Ion Ratio Lower Upper

82 100

128 40.1 33.3 49.9

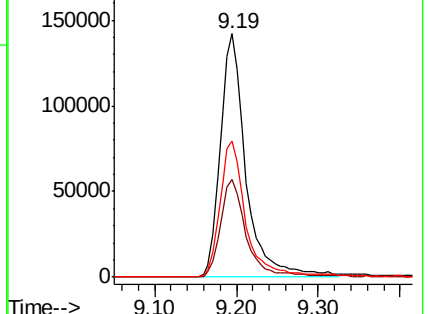
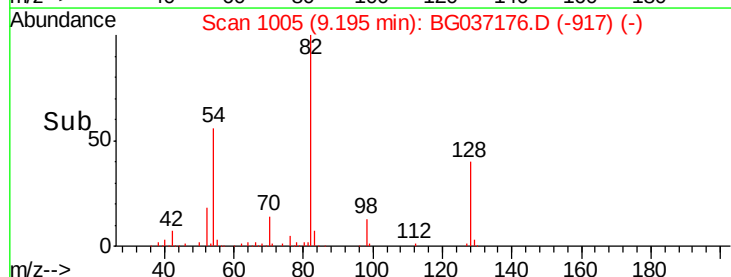
54 56.1 45.1 67.7

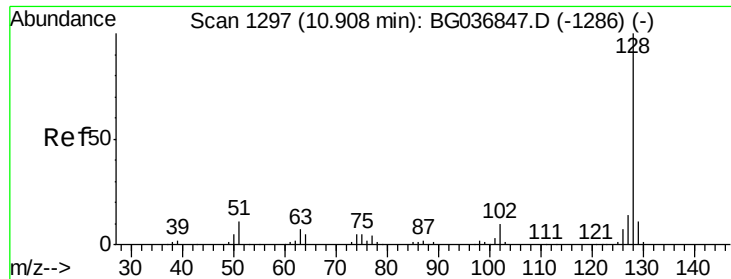


Abundance Ion 82.00 (81.70 to 82.70): BGC

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BGC

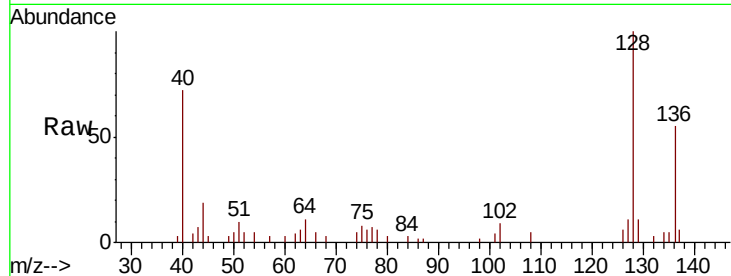




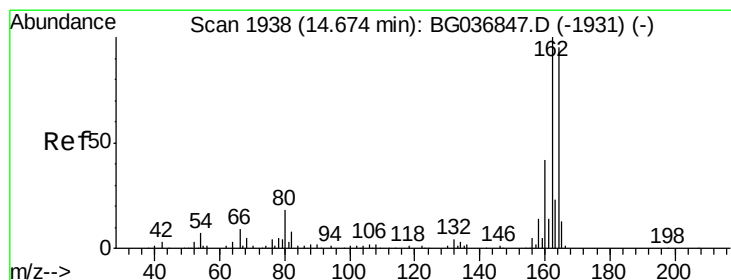
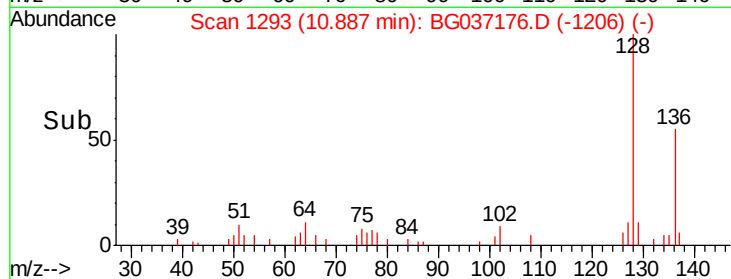
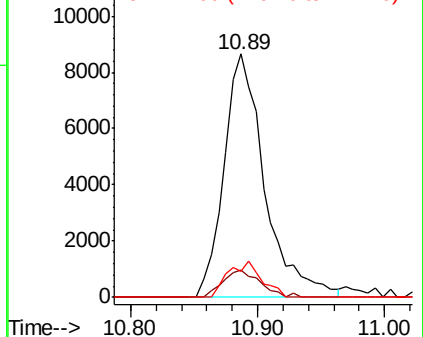
#31
Naphthalene
Concen: 2.186 ng
RT: 10.89 min Scan# 1293
Delta R.T. -0.02 min
Lab File: BG037176.D
Acq: 5 Oct 2018 6:05

Instrument :
BNA_G
ClientSampleId :
280-356

Tgt Ion:128 Resp: 19192
Ion Ratio Lower Upper
128 100
129 11.1 9.4 14.2
127 10.6 11.0 16.4#

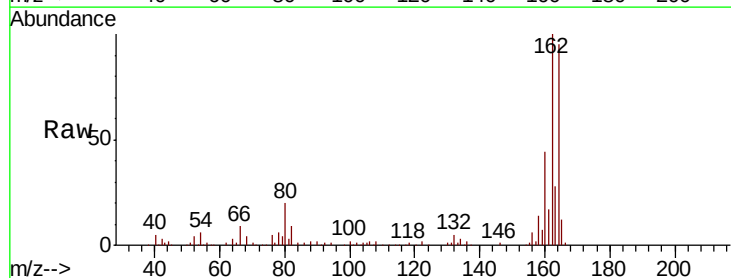


Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E

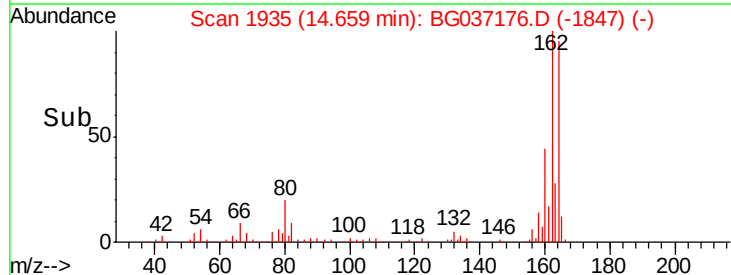
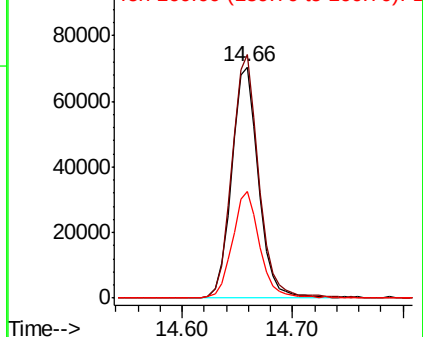


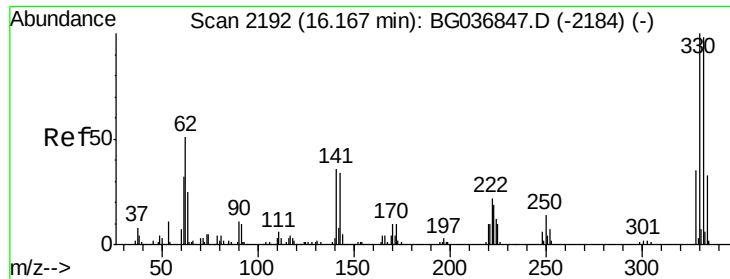
#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.66 min Scan# 1935
Delta R.T. -0.02 min
Lab File: BG037176.D
Acq: 5 Oct 2018 6:05

Tgt Ion:164 Resp: 120413
Ion Ratio Lower Upper
164 100
162 105.2 80.7 121.1
160 45.9 35.3 52.9



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

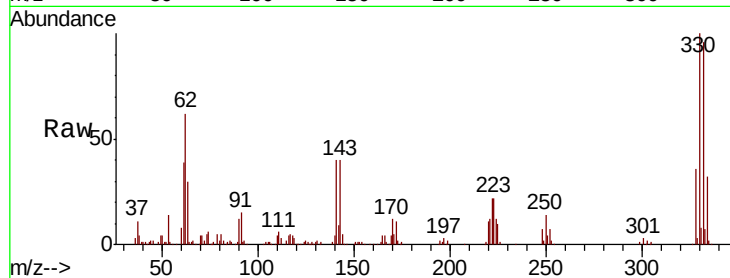




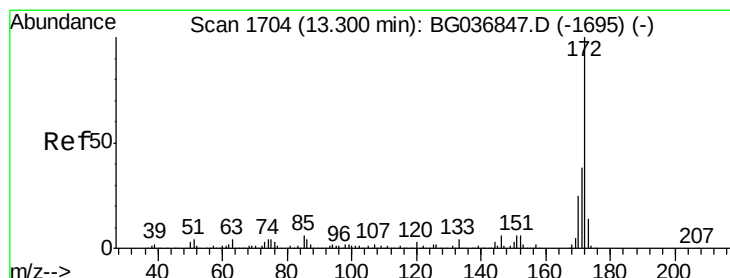
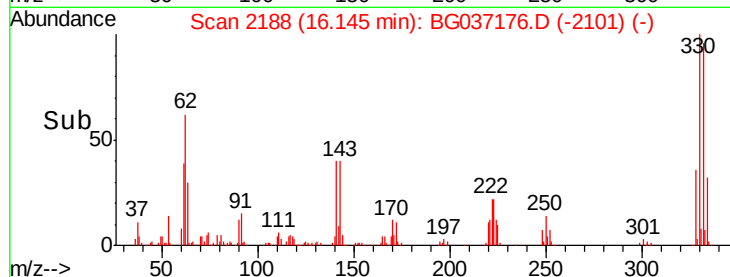
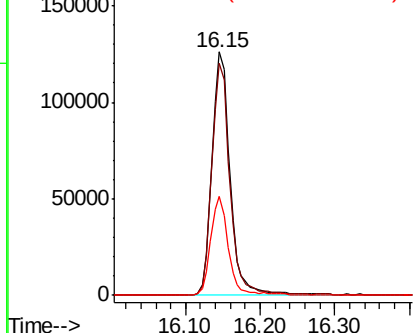
#41
 2,4,6-Tribromophenol
 Concen: 147.577 ng
 RT: 16.15 min Scan# 2188
 Delta R.T. -0.02 min
 Lab File: BG037176.D
 Acq: 5 Oct 2018 6:05

Instrument :
 BNA_G
 ClientSampleId :
 280-356

Tgt Ion:330 Resp: 212610
 Ion Ratio Lower Upper
 330 100
 332 94.8 75.4 113.2
 141 40.1 30.7 46.1

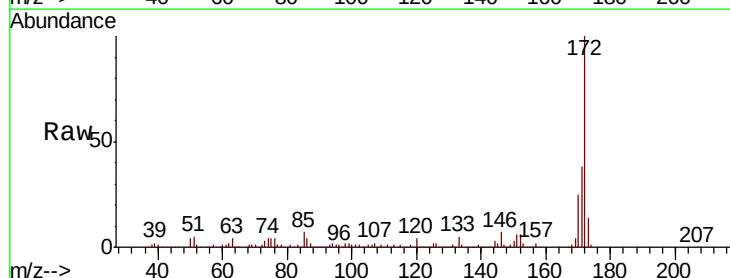


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

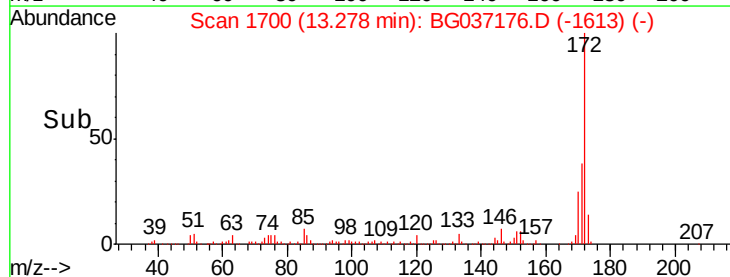
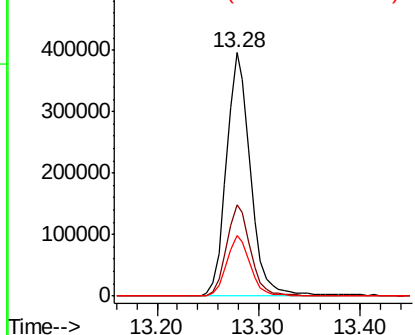


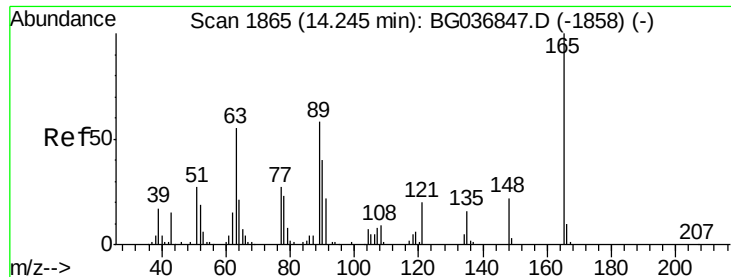
#44
 2-Fluorobiphenyl
 Concen: 80.447 ng
 RT: 13.28 min Scan# 1700
 Delta R.T. -0.02 min
 Lab File: BG037176.D
 Acq: 5 Oct 2018 6:05

Tgt Ion:172 Resp: 650388
 Ion Ratio Lower Upper
 172 100
 171 37.5 31.3 46.9
 170 25.0 21.0 31.6



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

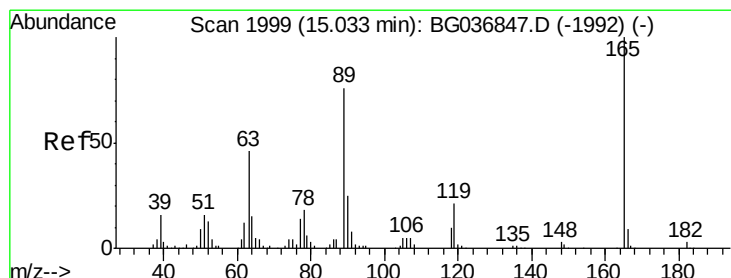
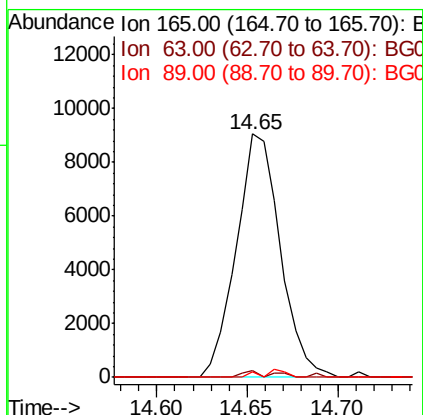
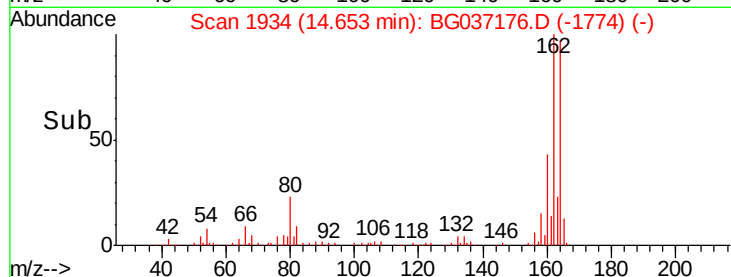
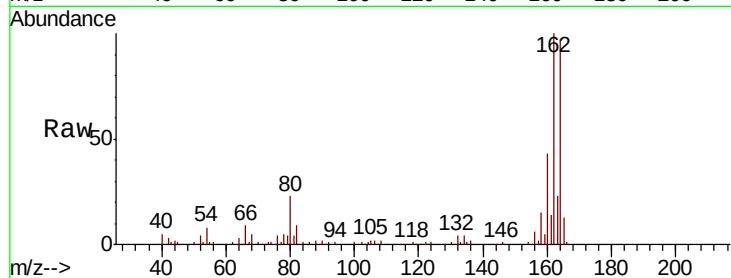




#50
2,6-Dinitrotoluene
Concen: 7.210 ng
RT: 14.65 min Scan# 1934
Delta R.T. 0.41 min
Lab File: BG037176.D
Acq: 5 Oct 2018 6:05

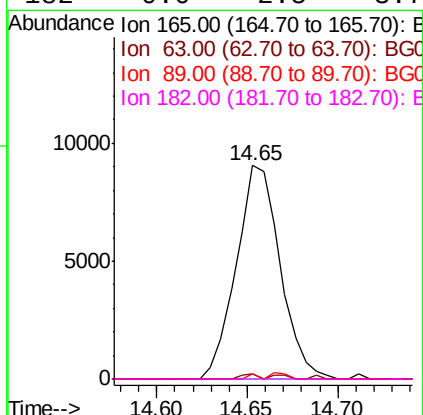
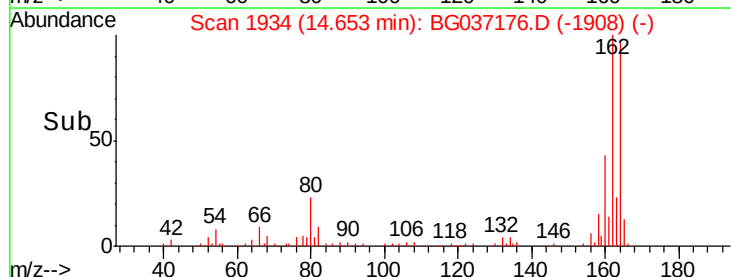
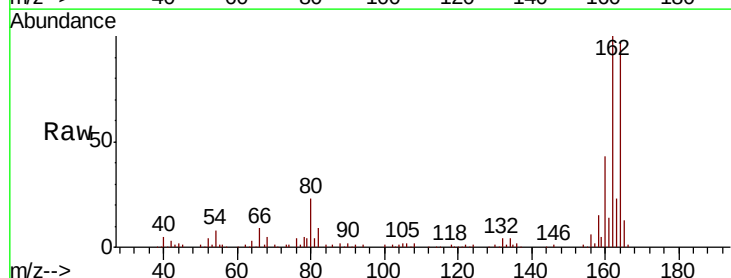
Instrument :
BNA_G
ClientSampleId :
280-356

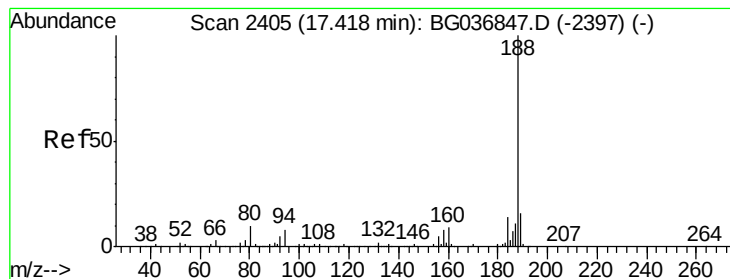
Tgt Ion	Ratio	Lower	Upper
165	100		
63	2.6	50.1	75.1#
89	2.2	47.8	71.6#



#56
2,4-Dinitrotoluene
Concen: 5.167 ng
RT: 14.65 min Scan# 1934
Delta R.T. -0.38 min
Lab File: BG037176.D
Acq: 5 Oct 2018 6:05

Tgt Ion	Ratio	Lower	Upper
165	100		
63	2.6	40.1	60.1#
89	2.2	63.7	95.5#
182	0.0	2.5	3.7#





#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.40 min Scan# 2402

Delta R.T. -0.02 min

Lab File: BG037176.D

Acq: 5 Oct 2018 6:05

Instrument :

BNA_G

ClientSampleId :

280-356

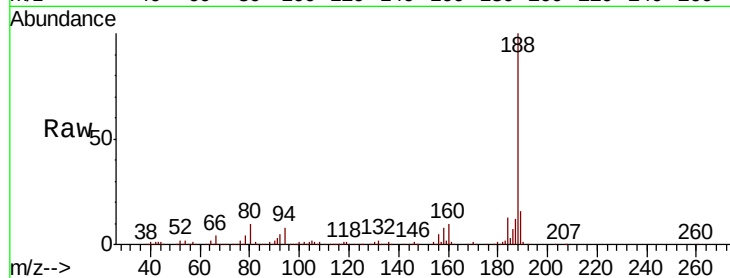
Tgt Ion:188 Resp: 333018

Ion Ratio Lower Upper

188 100

94 7.5 6.7 10.1

80 10.3 8.1 12.1



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

250000

200000

150000

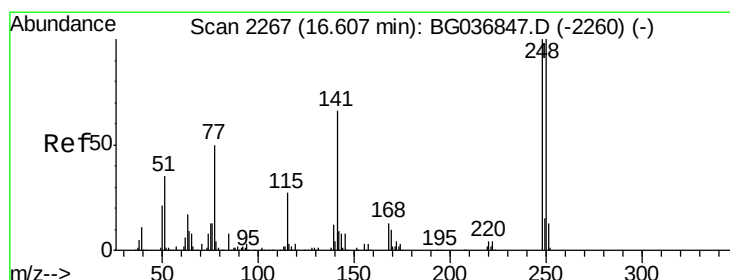
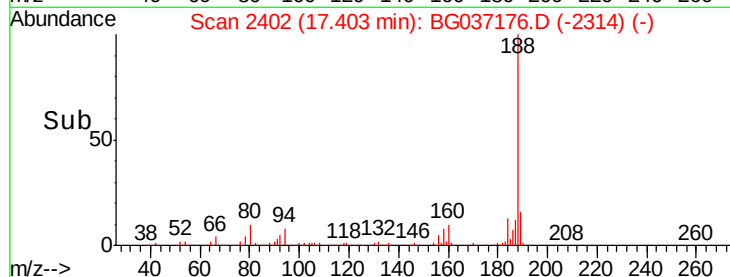
100000

50000

0

17.30 17.40 17.50 17.60

Time-->



#66

4-Bromophenyl-phenylether

Concen: 3.911 ng

RT: 16.15 min Scan# 2188

Delta R.T. -0.46 min

Lab File: BG037176.D

Acq: 5 Oct 2018 6:05

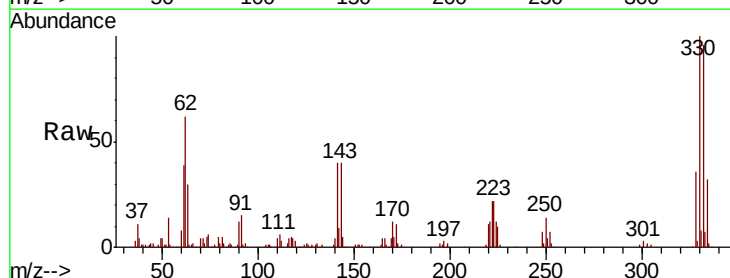
Tgt Ion:248 Resp: 14816

Ion Ratio Lower Upper

248 100

250 193.9 78.1 117.1#

141 555.8 53.7 80.5#



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

60000

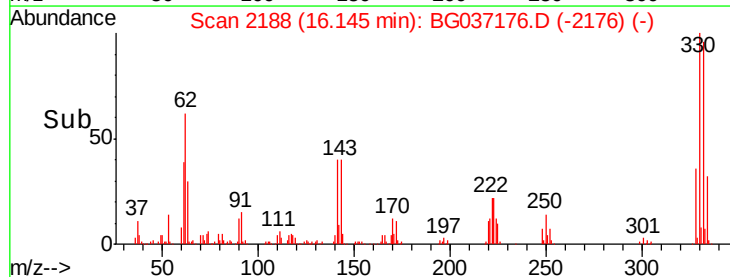
40000

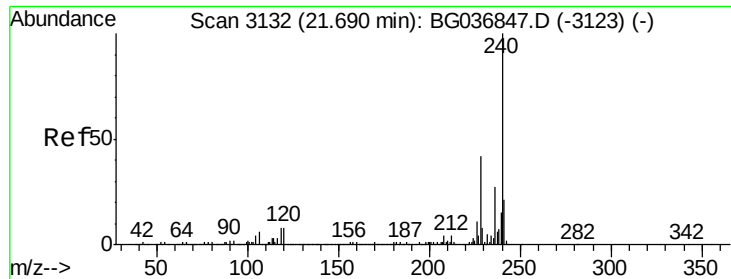
20000

0

16.10 16.15 16.20

Time-->





#75

Chrysene-d12

Concen: 20.000 ng

RT: 21.67 min Scan# 3128

Delta R.T. -0.02 min

Lab File: BG037176.D

Acq: 5 Oct 2018 6:05

Instrument :

BNA_G

ClientSampleId :

280-356

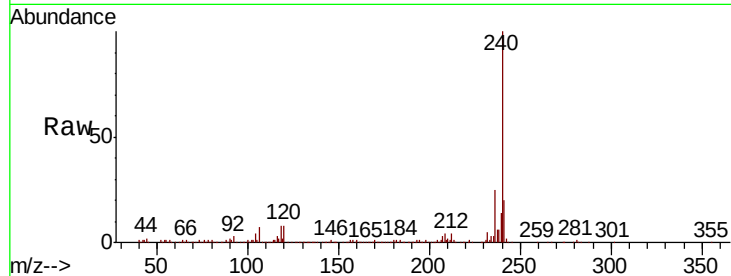
Tgt Ion:240 Resp: 337777

Ion Ratio Lower Upper

240 100

120 8.3 6.9 10.3

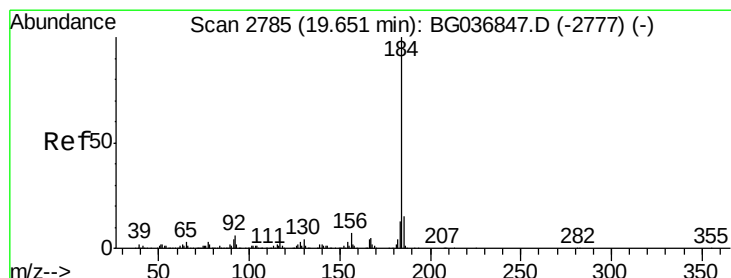
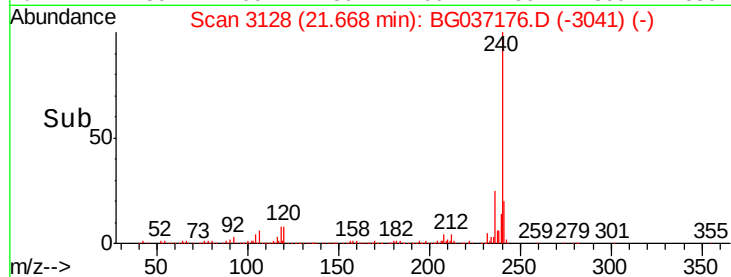
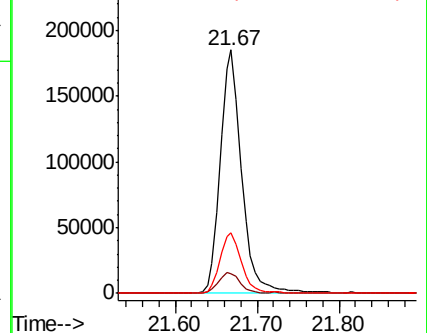
236 24.6 21.2 31.8



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: 2.093 ng

RT: 20.01 min Scan# 2846

Delta R.T. 0.36 min

Lab File: BG037176.D

Acq: 5 Oct 2018 6:05

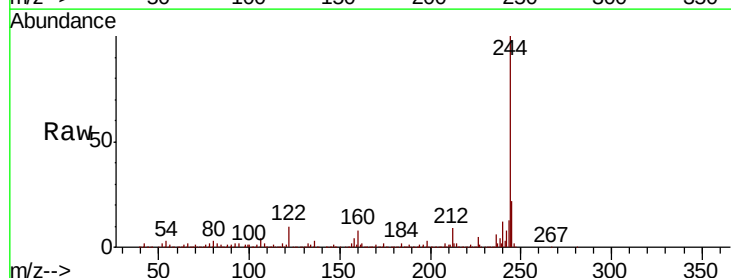
Tgt Ion:184 Resp: 21369

Ion Ratio Lower Upper

184 100

185 19.1 12.6 18.8#

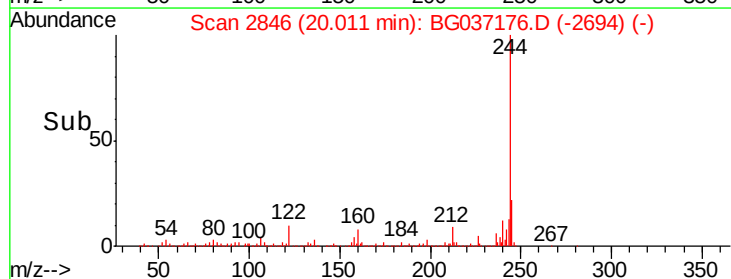
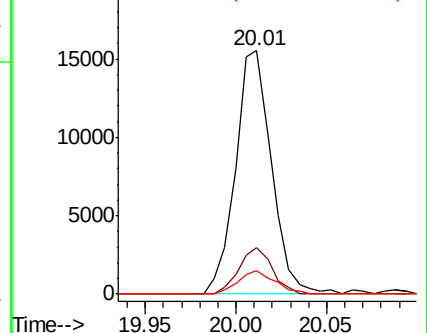
183 9.5 10.9 16.3#

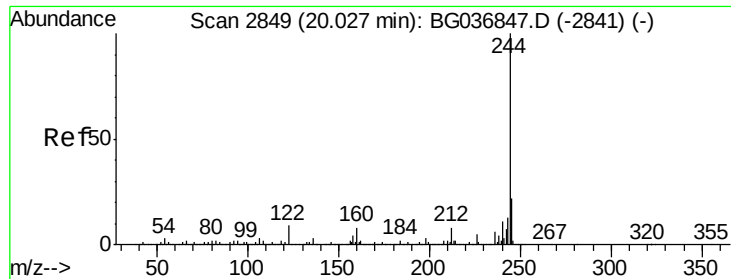


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#78

Terphenyl-d14

Concen: 94.299 ng

RT: 20.01 min Scan# 2846

Delta R.T. -0.02 min

Lab File: BG037176.D

Acq: 5 Oct 2018 6:05

Instrument :

BNA_G

ClientSampleId :

280-356

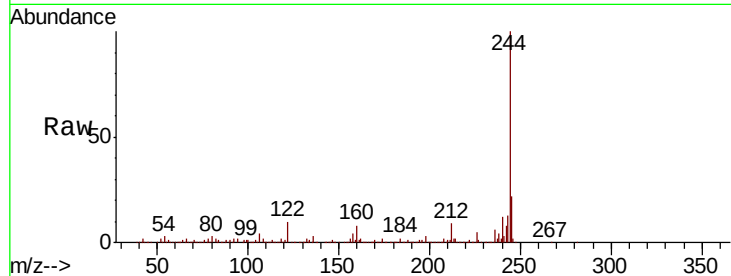
Tgt Ion:244 Resp: 1211342

Ion Ratio Lower Upper

244 100

212 8.7 7.0 10.6

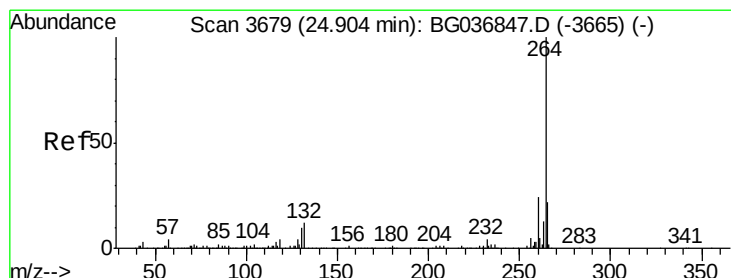
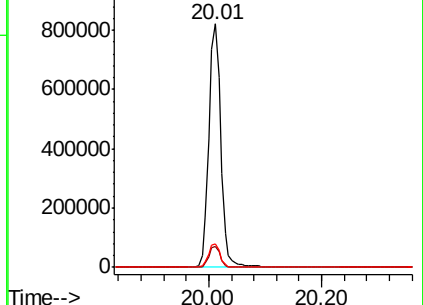
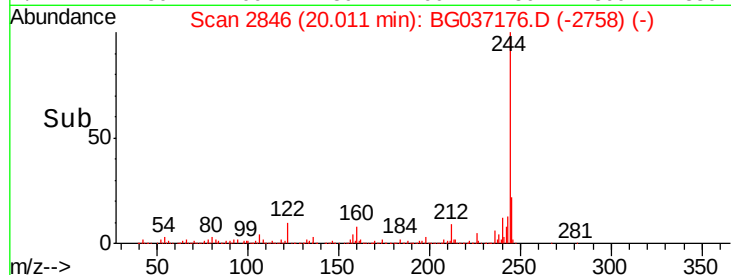
122 9.6 7.1 10.7



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# 3672

Delta R.T. -0.04 min

Lab File: BG037176.D

Acq: 5 Oct 2018 6:05

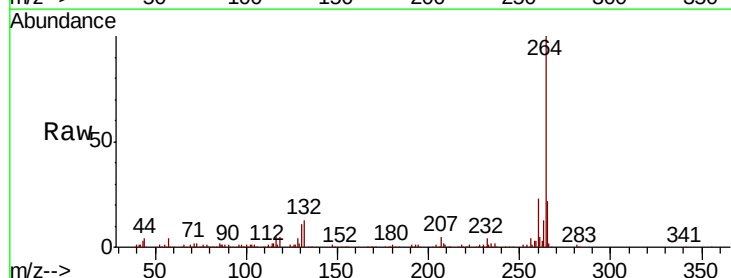
Tgt Ion:264 Resp: 341956

Ion Ratio Lower Upper

264 100

260 23.3 19.6 29.4

265 21.5 17.4 26.0



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

