

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG060719\
 Data File : BG041118.D
 Acq On : 8 Jun 2019 4:07
 Operator : HP/JU
 Sample : PB120423TB
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 PB120423TB

Quant Time: Jun 08 07:04:44 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG052919.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed May 29 18:39:57 2019
 Response via : Initial Calibration

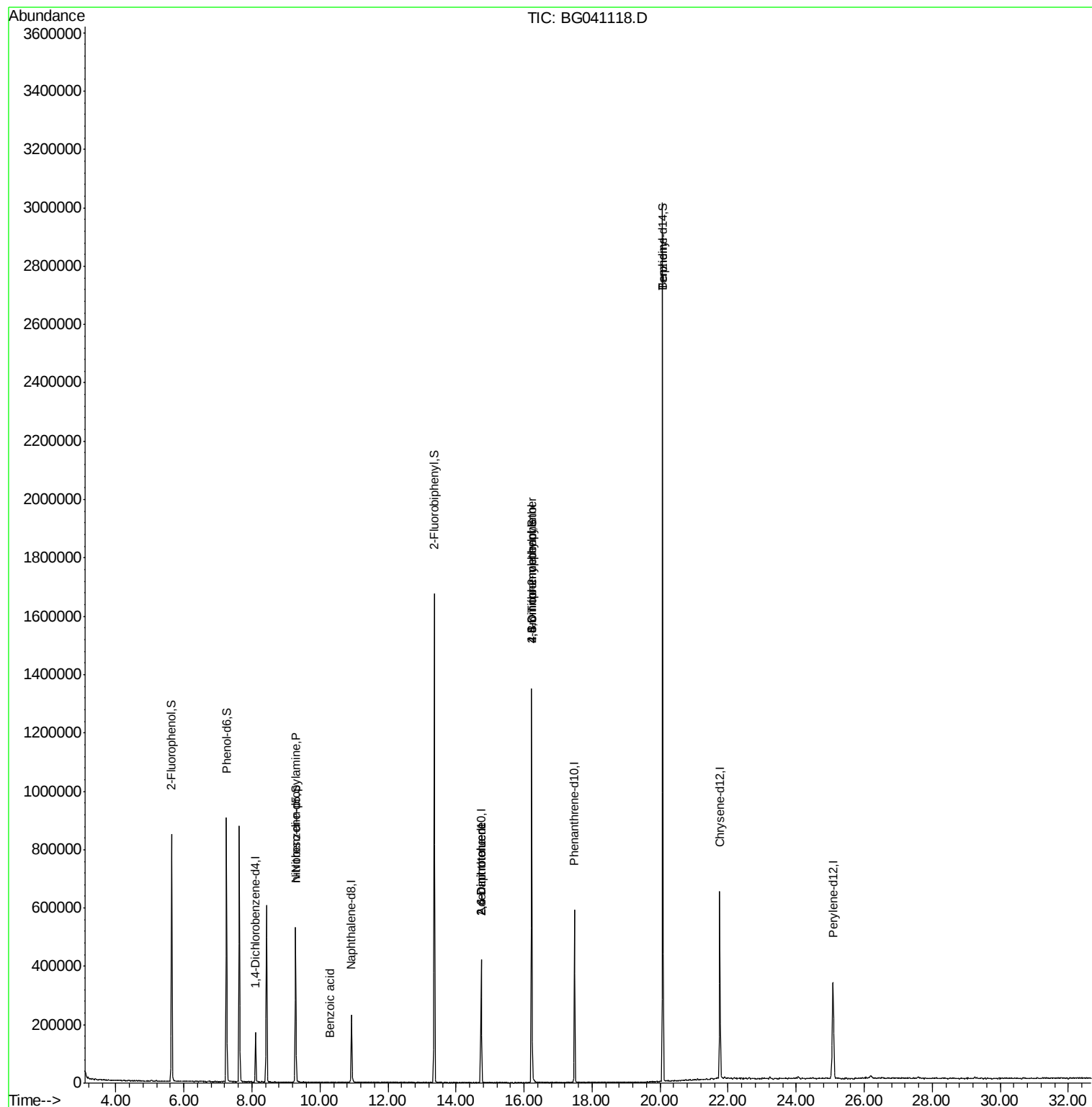
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.11	152	46285	20.00	ng	-0.02
21) Naphthalene-d8	10.93	136	191124	20.00	ng	-0.02
39) Acenaphthene-d10	14.74	164	150851	20.00	ng	-0.02
64) Phenanthrene-d10	17.48	188	373765	20.00	ng	-0.02
76) Chrysene-d12	21.75	240	379236	20.00	ng	-0.03
87) Perylene-d12	25.07	264	396247	20.00	ng	-0.05
System Monitoring Compounds						
5) 2-Fluorophenol	5.64	112	319819	124.60	ng	-0.02
7) Phenol-d6	7.25	99	478623	120.74	ng	-0.02
23) Nitrobenzene-d5	9.28	82	325055	75.50	ng	-0.02
42) 2,4,6-Tribromophenol	16.23	330	255066	113.89	ng	-0.02
45) 2-Fluorobiphenyl	13.36	172	831387	79.37	ng	-0.02
79) Terphenyl-d14	20.07	244	1439302	80.55	ng	-0.02
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.28	70	47425	15.546	ng	# 74
32) Benzoic acid	10.30	122	75	8.157	ng	# 1
51) 2,6-Dinitrotoluene	14.74	165	19786	7.186	ng	# 21
57) 2,4-Dinitrotoluene	14.74	165	19786	5.087	ng	# 23
65) 4,6-Dinitro-2-methylphenol	16.23	198	825	8.928	ng	# 1
67) 4-Bromophenyl-phenylether	16.23	248	18938	3.754	ng	# 1
77) Benzidine	20.07	184	24546	2.713	ng	# 95

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

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#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 8.11 min Scan# 854

Delta R.T. -0.02 min

Lab File: BG041118.D

Acq: 8 Jun 2019 4:07

Instrument :

BNA_G

ClientSampleId :

PB120423TB

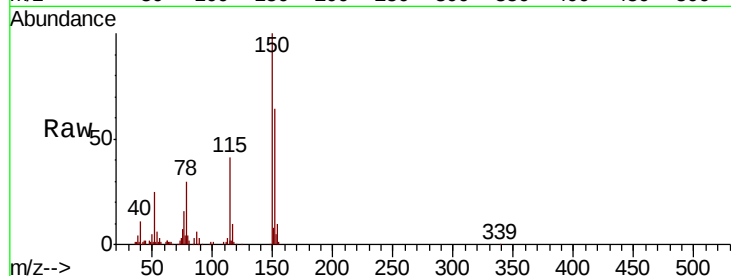
Tgt Ion:152 Resp: 46285

Ion Ratio Lower Upper

152 100

150 155.5 120.6 180.8

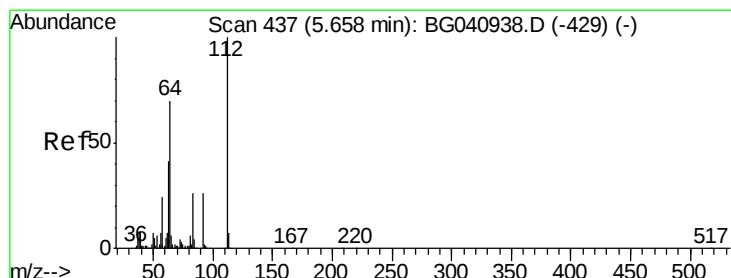
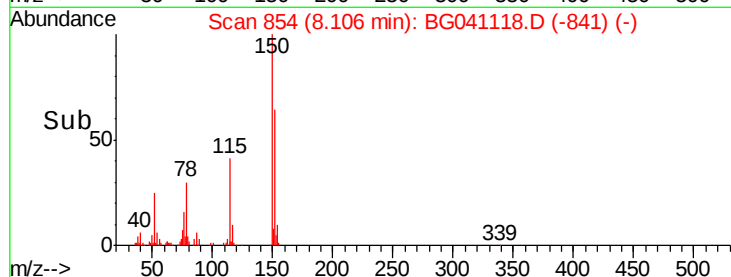
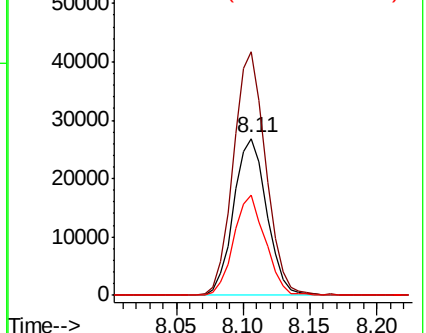
115 63.7 45.1 67.7



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: 124.598 ng

RT: 5.64 min Scan# 434

Delta R.T. -0.02 min

Lab File: BG041118.D

Acq: 8 Jun 2019 4:07

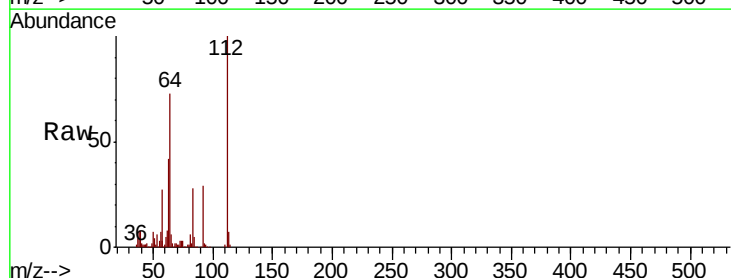
Tgt Ion:112 Resp: 319819

Ion Ratio Lower Upper

112 100

64 73.2 56.2 84.2

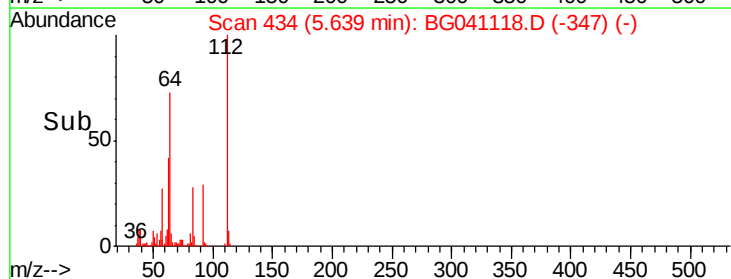
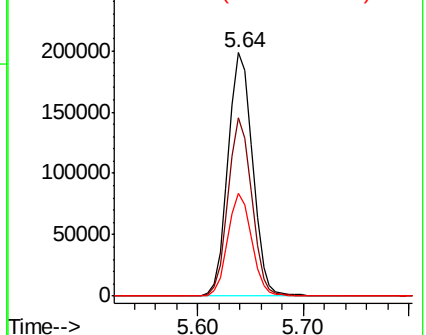
63 42.2 32.8 49.2



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: 120.737 ng

RT: 7.25 min Scan# 708

Delta R.T. -0.02 min

Lab File: BG041118.D

Acq: 8 Jun 2019 4:07

Instrument :

BNA_G

ClientSampleId :

PB120423TB

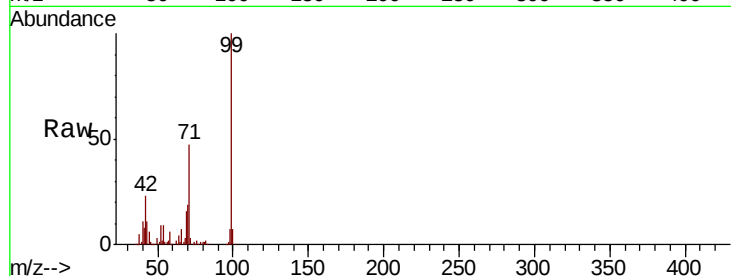
Tgt Ion: 99 Resp: 478623

Ion Ratio Lower Upper

99 100

42 22.9 17.9 26.9

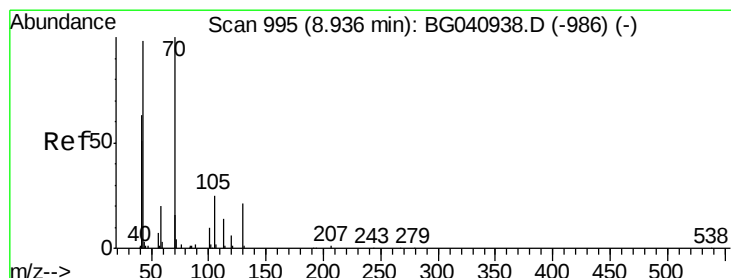
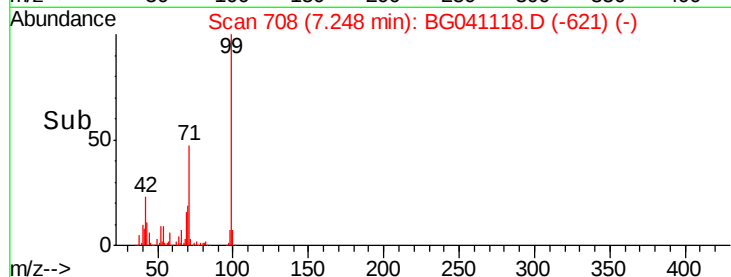
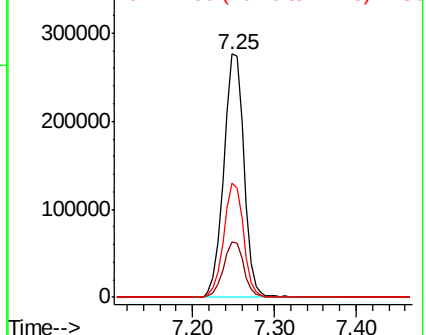
71 46.9 35.4 53.0



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: 15.546 ng

RT: 9.28 min Scan# 1054

Delta R.T. 0.35 min

Lab File: BG041118.D

Acq: 8 Jun 2019 4:07

Tgt Ion: 70 Resp: 47425

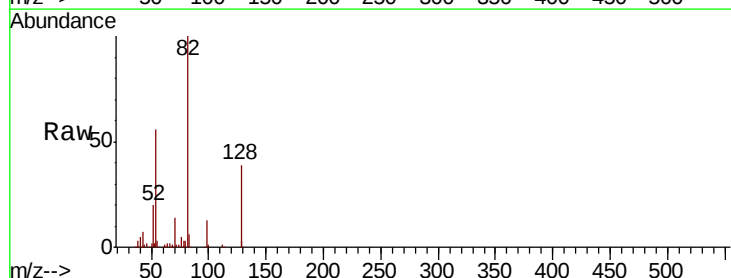
Ion Ratio Lower Upper

70 100

42 48.2 51.5 77.3#

101 0.0 8.1 12.1#

130 2.0 16.6 24.8#

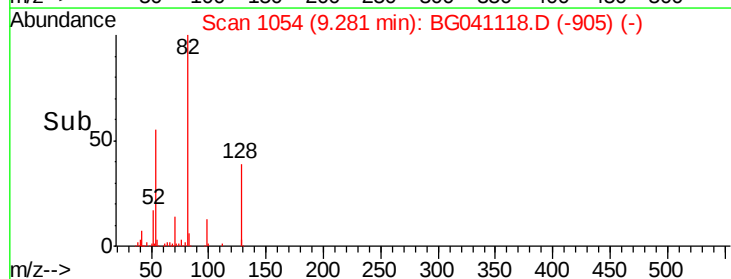
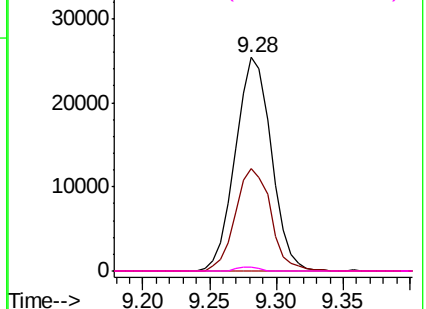


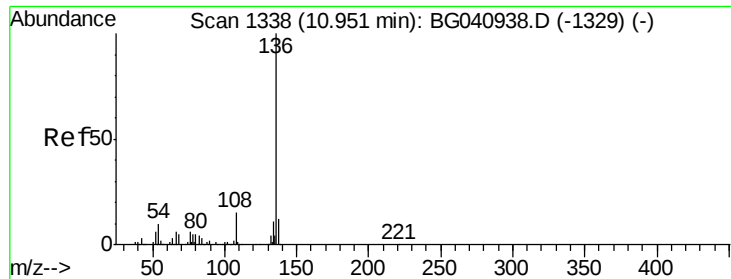
Abundance Ion 70.00 (69.70 to 70.70): BGC

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

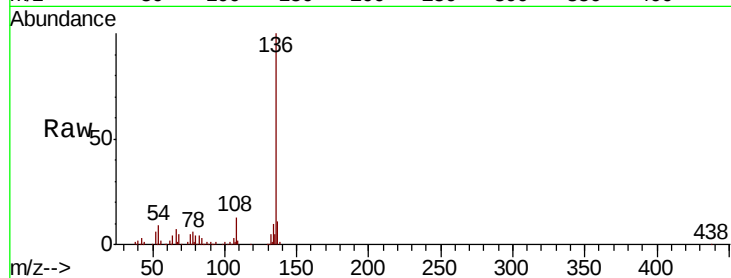




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.93 min Scan# 1334
Delta R.T. -0.02 min
Lab File: BG041118.D
Acq: 8 Jun 2019 4:07

Instrument :
BNA_G
ClientSampleId :
PB120423TB

Tgt Ion:	136	Resp:	191124
Ion	Ratio	Lower	Upper
136	100		
137	11.3	9.5	14.3
54	9.2	7.6	11.4
68	4.9	3.9	5.9



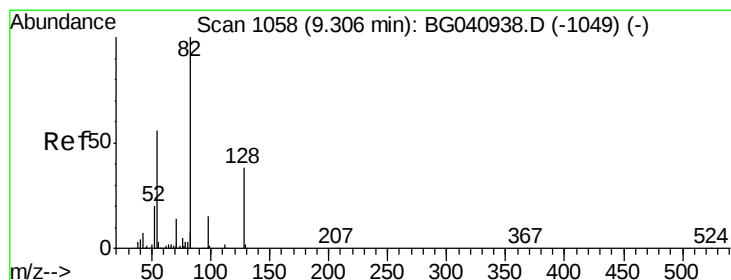
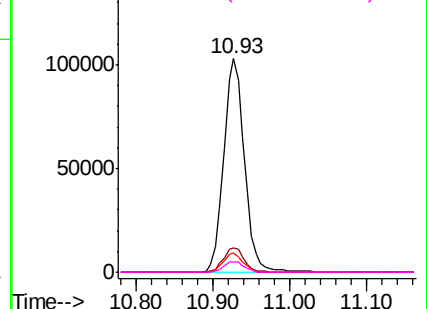
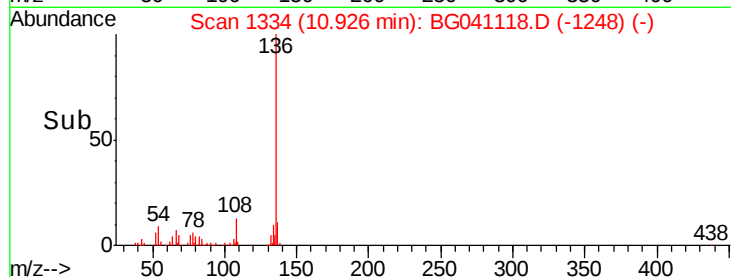
Abundance

Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

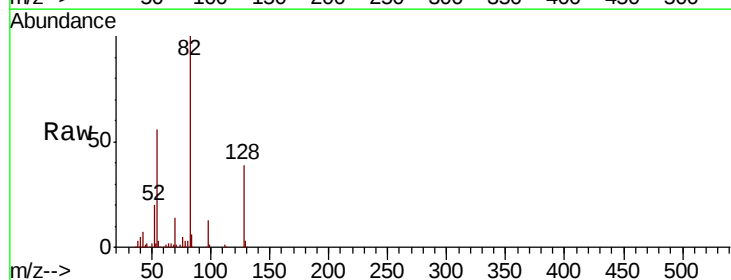
Ion 54.00 (53.70 to 54.70): BGC

Ion 68.00 (67.70 to 68.70): BGC



#23
Nitrobenzene-d5
Concen: 75.503 ng
RT: 9.28 min Scan# 1054
Delta R.T. -0.02 min
Lab File: BG041118.D
Acq: 8 Jun 2019 4:07

Tgt Ion:	82	Resp:	325055
Ion	Ratio	Lower	Upper
82	100		
128	38.5	30.5	45.7
54	55.9	44.6	66.8

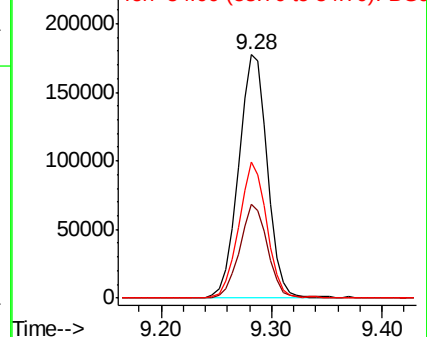
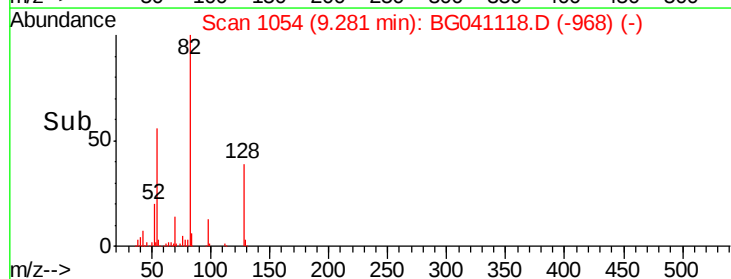


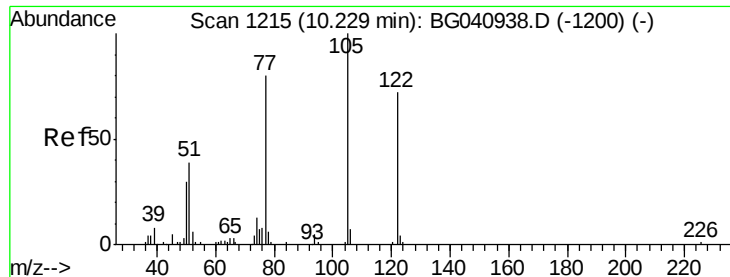
Abundance

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





#32

Benzoic acid

Concen: 8.157 ng

RT: 10.30 min Scan# 1227

Delta R.T. 0.07 min

Lab File: BG041118.D

Acq: 8 Jun 2019 4:07

Instrument :

BNA_G

ClientSampled :

PB120423TB

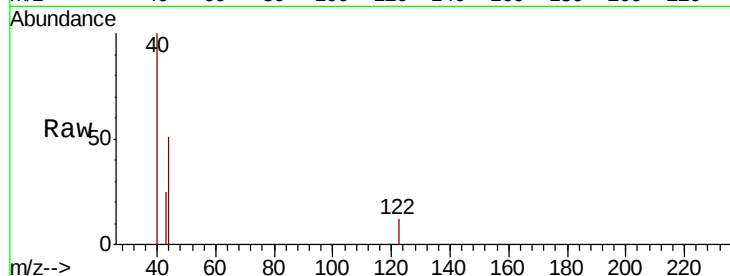
Tgt Ion:122 Resp: 75

Ion Ratio Lower Upper

122 100

105 0.0 114.8 154.8#

77 0.0 89.9 129.9#



Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): B

10.30

250

200

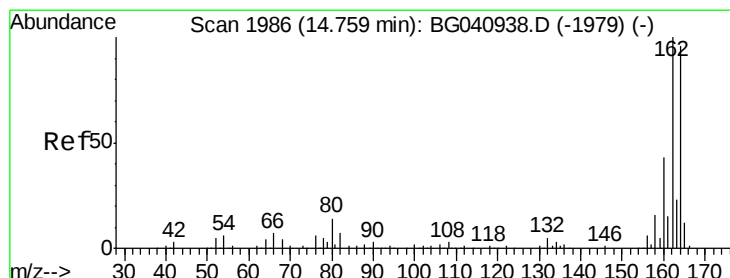
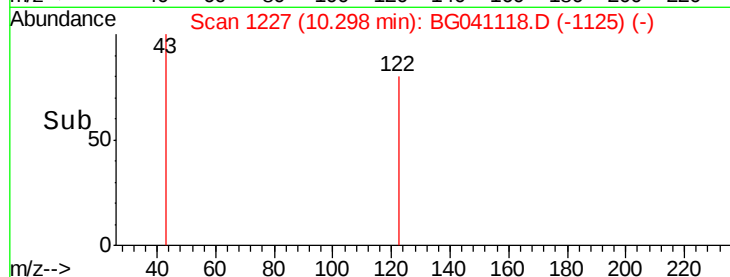
150

100

50

0

Time-->



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.74 min Scan# 1983

Delta R.T. -0.02 min

Lab File: BG041118.D

Acq: 8 Jun 2019 4:07

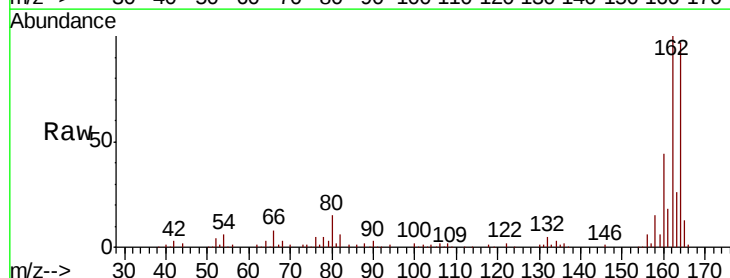
Tgt Ion:164 Resp: 150851

Ion Ratio Lower Upper

164 100

162 103.5 83.0 124.4

160 45.4 35.6 53.4



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

14.74

120000

100000

80000

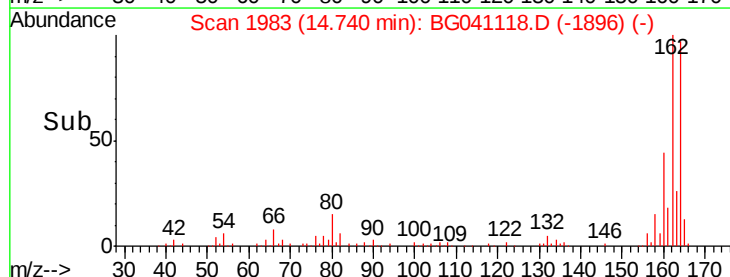
60000

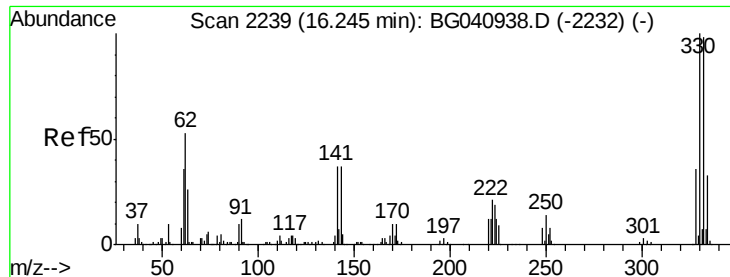
40000

20000

0

Time-->

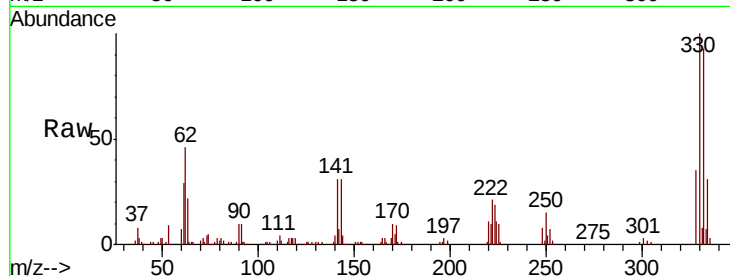




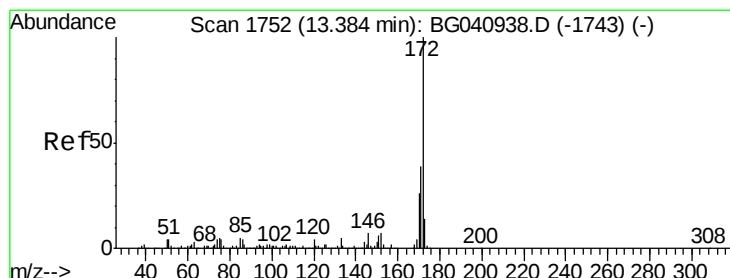
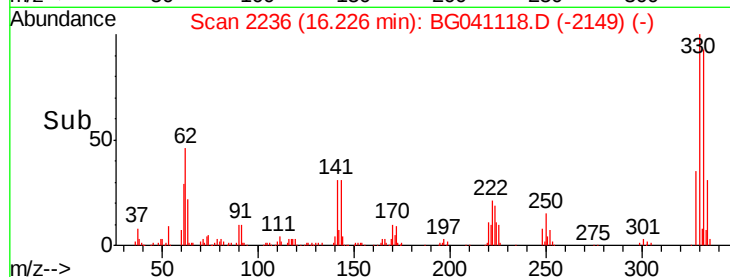
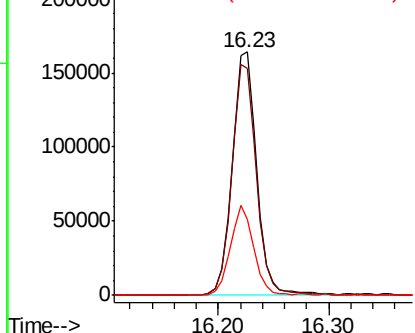
#42
 2,4,6-Tribromophenol
 Concen: 113.895 ng
 RT: 16.23 min Scan# 2236
 Delta R.T. -0.02 min
 Lab File: BG041118.D
 Acq: 8 Jun 2019 4:07

Instrument :
 BNA_G
 ClientSampleId :
 PB120423TB

Tgt Ion:330 Resp: 255066
 Ion Ratio Lower Upper
 330 100
 332 95.7 78.5 117.7
 141 35.3 28.7 43.1

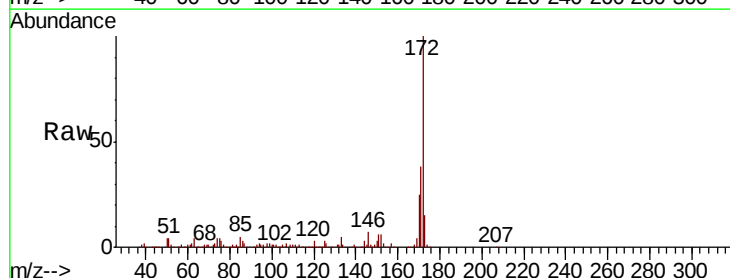


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

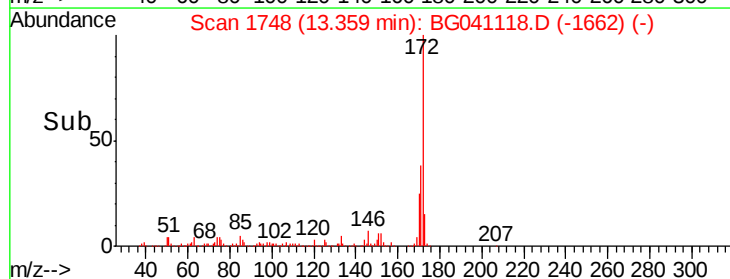
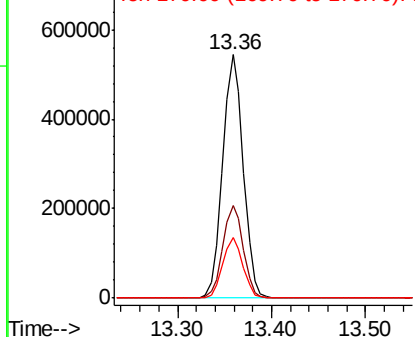


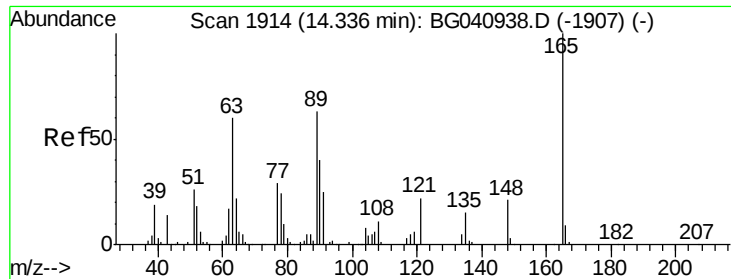
#45
 2-Fluorobiphenyl
 Concen: 79.369 ng
 RT: 13.36 min Scan# 1748
 Delta R.T. -0.02 min
 Lab File: BG041118.D
 Acq: 8 Jun 2019 4:07

Tgt Ion:172 Resp: 831387
 Ion Ratio Lower Upper
 172 100
 171 38.1 31.1 46.7
 170 24.7 20.5 30.7



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

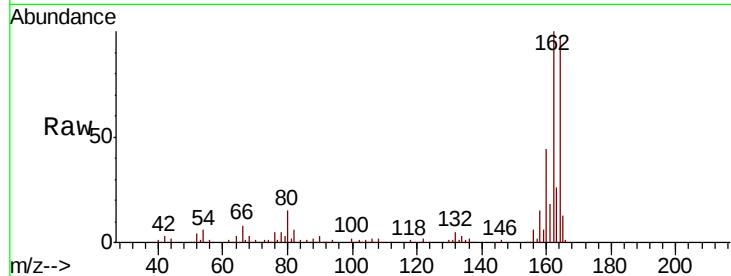




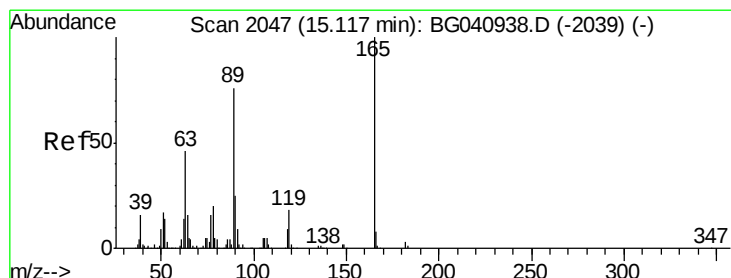
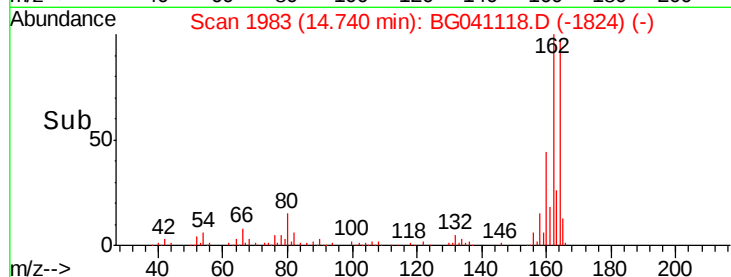
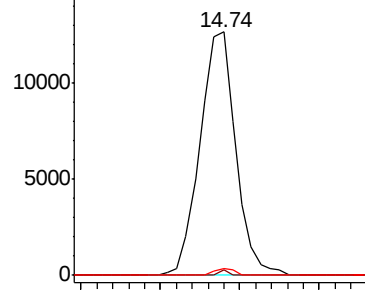
#51
 2,6-Dinitrotoluene
 Concen: 7.186 ng
 RT: 14.74 min Scan# 1983
 Delta R.T. 0.40 min
 Lab File: BG041118.D
 Acq: 8 Jun 2019 4:07

Instrument :
 BNA_G
 ClientSampleId :
 PB120423TB

Tgt Ion:165 Resp: 19786
 Ion Ratio Lower Upper
 165 100
 63 2.2 53.6 80.4#
 89 2.6 50.4 75.6#

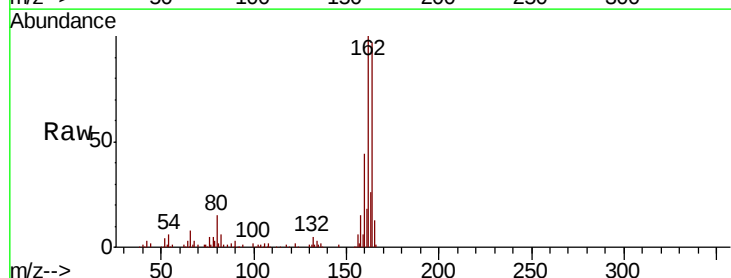


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BGC
 Ion 89.00 (88.70 to 89.70): BGC

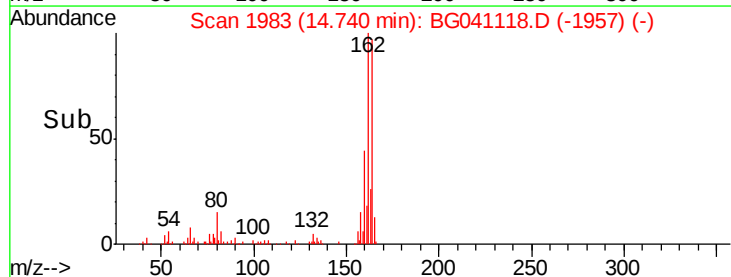
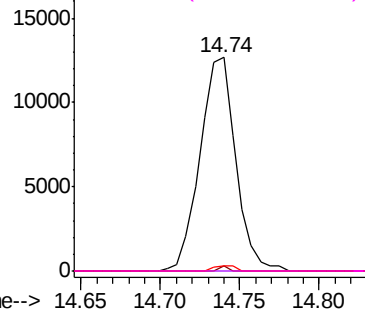


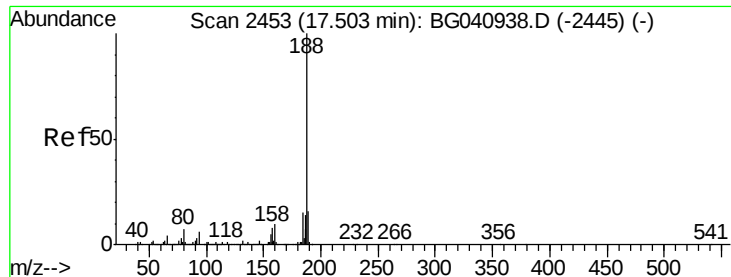
#57
 2,4-Dinitrotoluene
 Concen: 5.087 ng
 RT: 14.74 min Scan# 1983
 Delta R.T. -0.38 min
 Lab File: BG041118.D
 Acq: 8 Jun 2019 4:07

Tgt Ion:165 Resp: 19786
 Ion Ratio Lower Upper
 165 100
 63 2.2 37.3 55.9#
 89 2.6 61.0 91.6#
 182 0.0 2.2 3.2#



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





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.48 min Scan# 2450

Delta R.T. -0.02 min

Lab File: BG041118.D

Acq: 8 Jun 2019 4:07

Instrument :

BNA_G

ClientSampleId :

PB120423TB

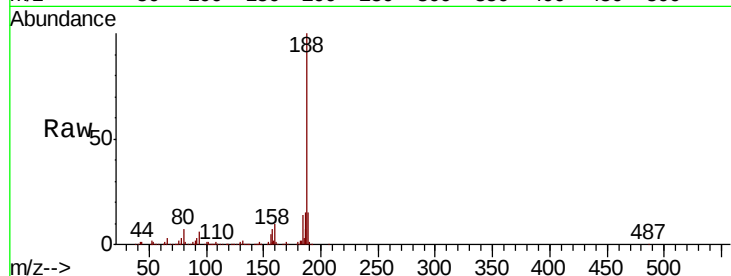
Tgt Ion:188 Resp: 373765

Ion Ratio Lower Upper

188 100

94 5.6 4.7 7.1

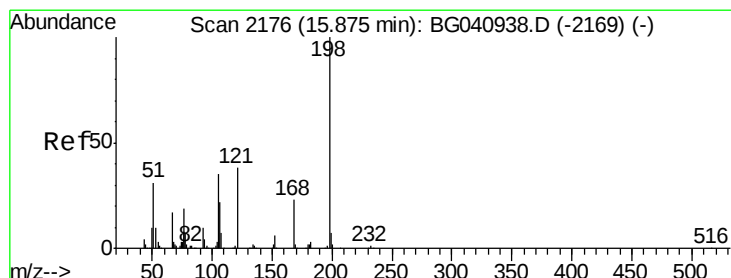
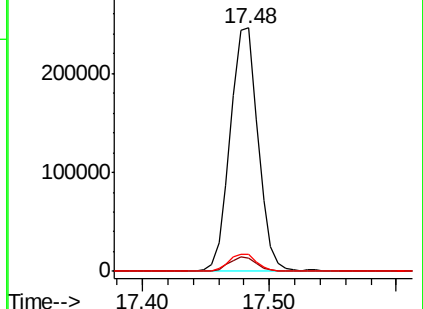
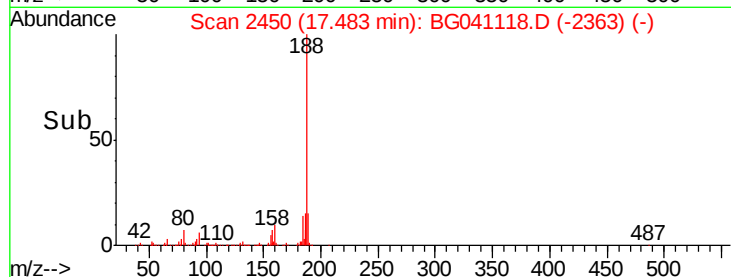
80 6.7 5.8 8.8



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



#65

4,6-Dinitro-2-methylphenol

Concen: 8.928 ng

RT: 16.23 min Scan# 2236

Delta R.T. 0.35 min

Lab File: BG041118.D

Acq: 8 Jun 2019 4:07

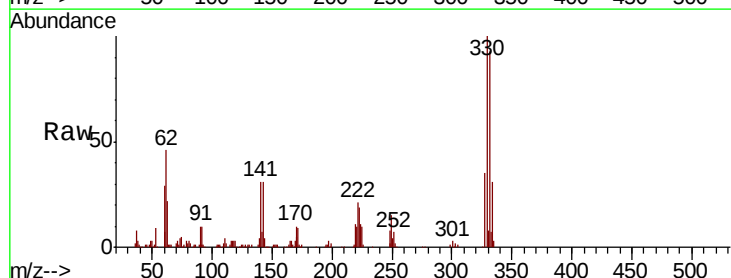
Tgt Ion:198 Resp: 825

Ion Ratio Lower Upper

198 100

51 88.2 21.6 61.6#

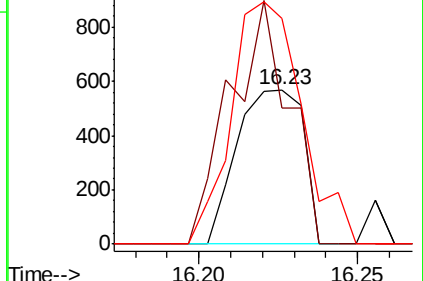
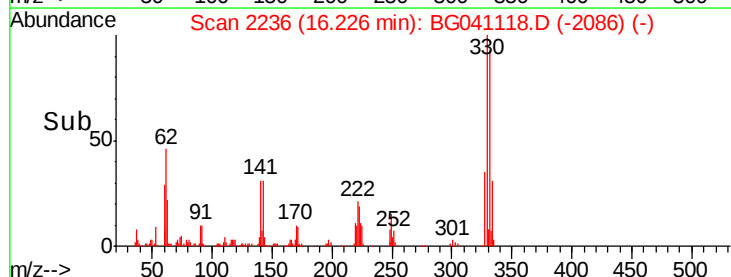
105 145.8 17.5 57.5#

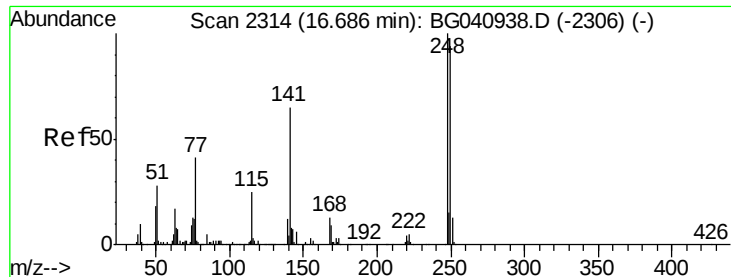


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BGC

Ion 105.00 (104.70 to 105.70): E





#67

4-Bromophenyl-phenylether

Concen: 3.754 ng

RT: 16.23 min Scan# 2236

Delta R.T. -0.46 min

Lab File: BG041118.D

Acq: 8 Jun 2019 4:07

Instrument :

BNA_G

ClientSampleId :

PB120423TB

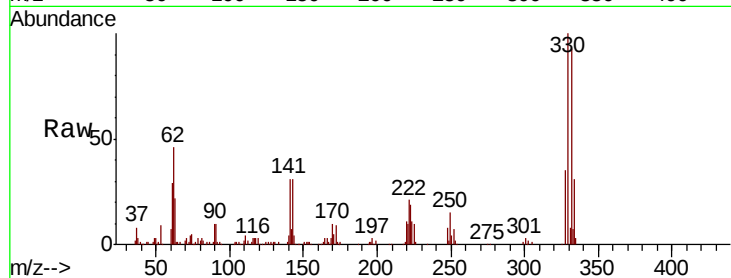
Tgt Ion:248 Resp: 18938

Ion Ratio Lower Upper

248 100

250 248.2 75.0 112.4#

141 410.3 52.4 78.6#

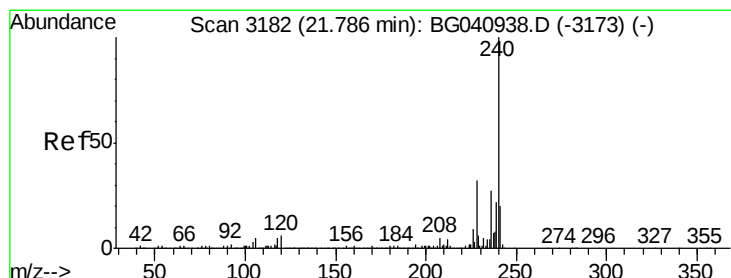
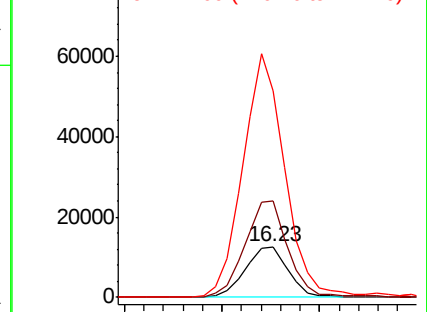
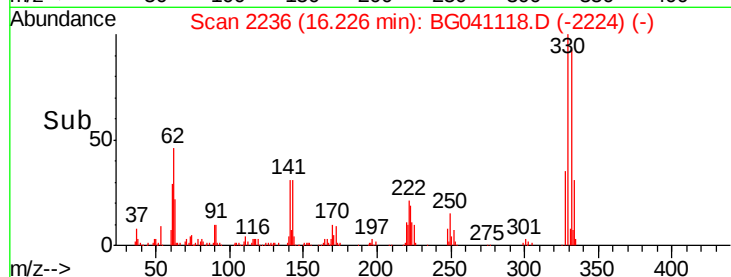


Abundance

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



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.75 min Scan# 3177

Delta R.T. -0.03 min

Lab File: BG041118.D

Acq: 8 Jun 2019 4:07

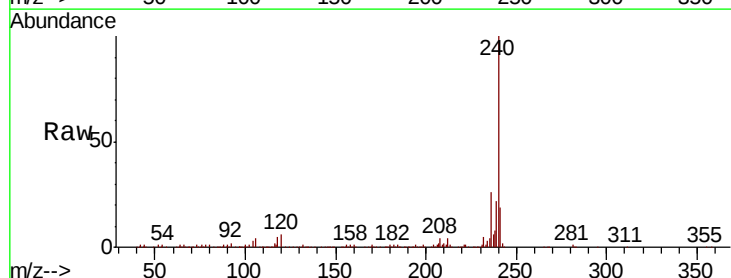
Tgt Ion:240 Resp: 379236

Ion Ratio Lower Upper

240 100

120 5.7 4.5 6.7

236 26.4 21.3 31.9

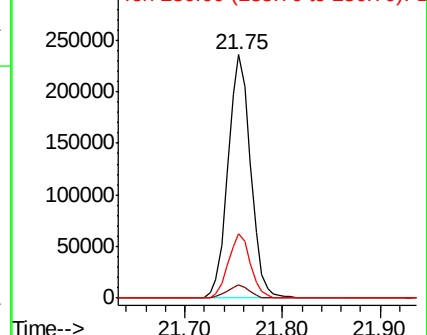
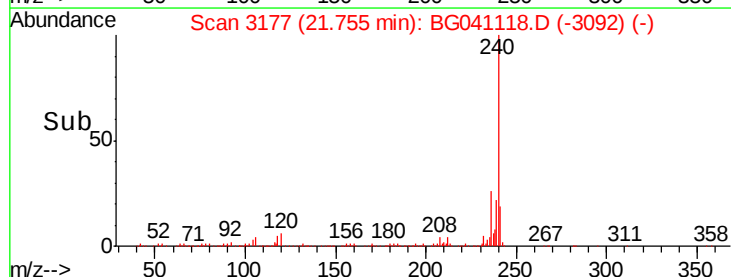


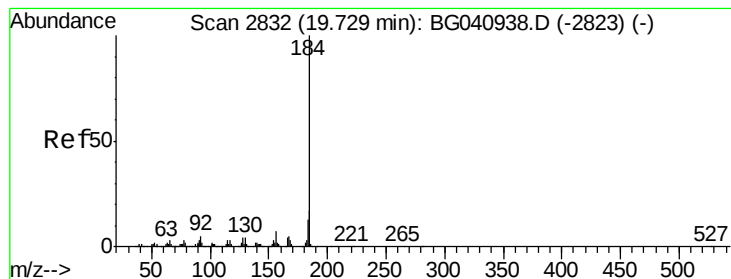
Abundance

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





#77

Benzidine

Concen: 2.713 ng

RT: 20.07 min Scan# 2891

Delta R.T. 0.35 min

Lab File: BG041118.D

Acq: 8 Jun 2019 4:07

Instrument :

BNA_G

ClientSampleId :

PB120423TB

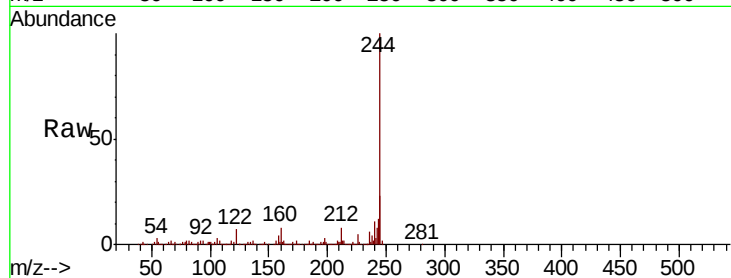
Tgt Ion:184 Resp: 24546

Ion Ratio Lower Upper

184 100

185 17.2 13.3 19.9

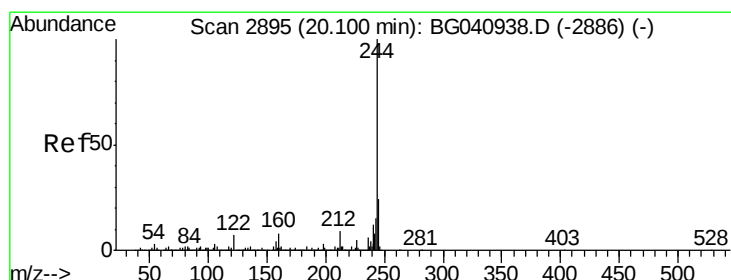
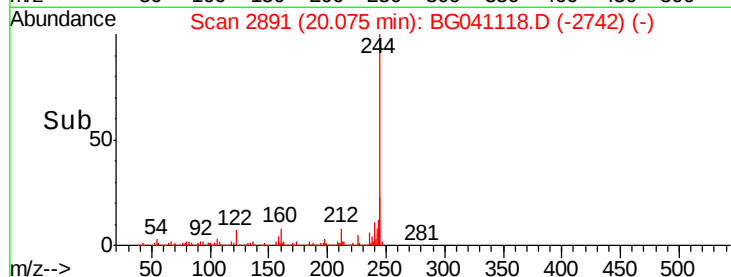
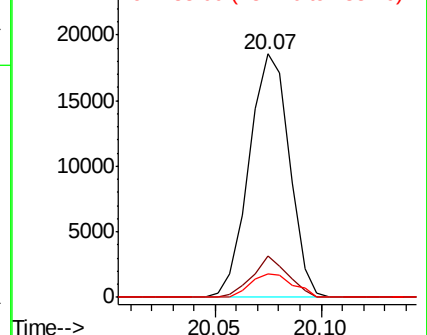
183 9.7 10.7 16.1#



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



#79

Terphenyl-d14

Concen: 80.549 ng

RT: 20.07 min Scan# 2891

Delta R.T. -0.02 min

Lab File: BG041118.D

Acq: 8 Jun 2019 4:07

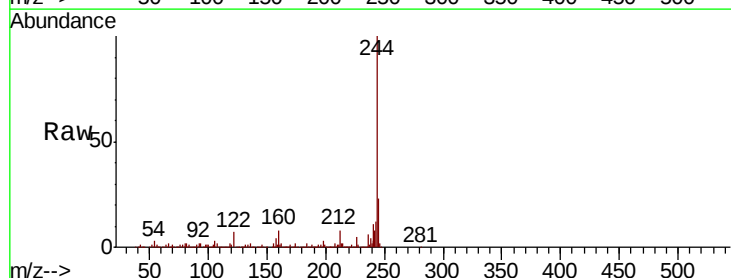
Tgt Ion:244 Resp: 1439302

Ion Ratio Lower Upper

244 100

212 8.5 7.0 10.4

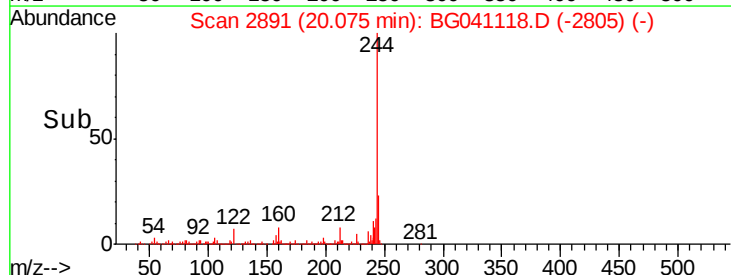
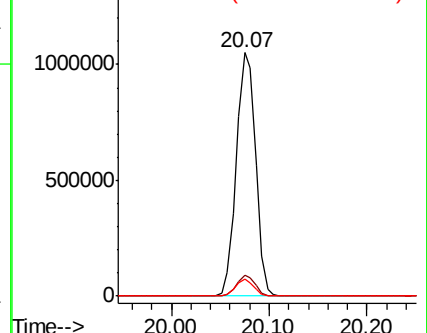
122 7.2 5.4 8.0

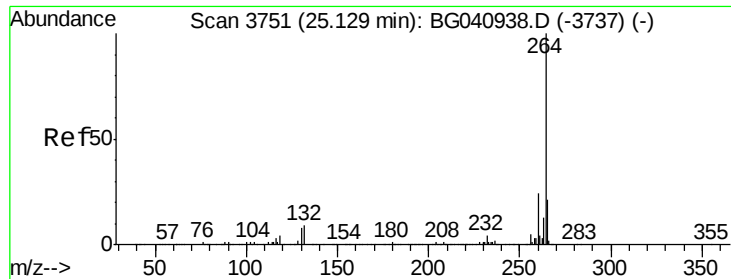


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#87
Perylene-d12
Concen: 20.000 ng
RT: 25.07 min Scan# 3742
Delta R.T. -0.05 min
Lab File: BG041118.D
Acq: 8 Jun 2019 4:07

Instrument :
BNA_G
ClientSampleId :
PB120423TB

Tgt Ion	Ratio	Lower	Upper
264	100		
260	21.5	19.0	28.4
265	20.6	17.0	25.4

