

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG060619\
 Data File : BG041083.D
 Acq On : 6 Jun 2019 9:52
 Operator : HP/JU
 Sample : PB120328BL
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 PB120328BL

Quant Time: Jun 06 23:14:49 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

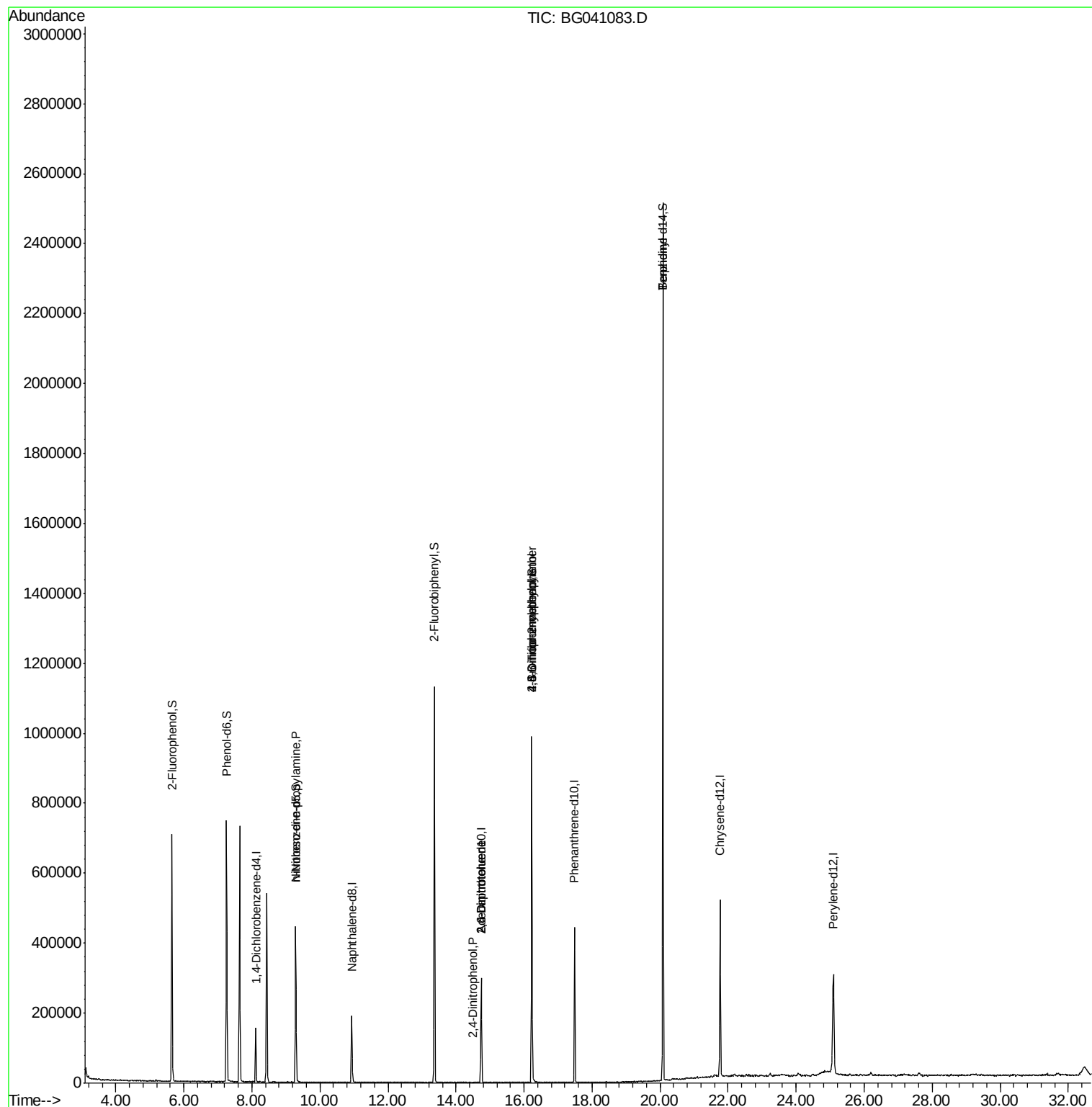
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.11	152	41676	20.00	ng	-0.02
21) Naphthalene-d8	10.93	136	157280	20.00	ng	-0.02
39) Acenaphthene-d10	14.74	164	104521	20.00	ng	-0.02
64) Phenanthrene-d10	17.48	188	273488	20.00	ng	-0.02
76) Chrysene-d12	21.76	240	313005	20.00	ng	-0.02
87) Perylene-d12	25.09	264	329666	20.00	ng	-0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.65	112	278737	120.60	ng	0.00
7) Phenol-d6	7.26	99	386604	108.31	ng	-0.01
23) Nitrobenzene-d5	9.29	82	266780	75.30	ng	-0.02
42) 2,4,6-Tribromophenol	16.23	330	186794	120.38	ng	-0.02
45) 2-Fluorobiphenyl	13.37	172	602944	83.07	ng	-0.02
79) Terphenyl-d14	20.08	244	1151397	78.07	ng	-0.02
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.29	70	38940	14.176	ng	# 73
51) 2,6-Dinitrotoluene	14.74	165	13614	7.137	ng	# 19
54) 2,4-Dinitrophenol	14.49	184	53	8.318	ng	# 18
57) 2,4-Dinitrotoluene	14.74	165	13614	5.052	ng	# 22
65) 4,6-Dinitro-2-methylphenol	16.23	198	597	8.924	ng	# 34
67) 4-Bromophenyl-phenylether	16.23	248	14038	3.803	ng	# 1
77) Benzidine	20.08	184	18251	2.444	ng	# 93

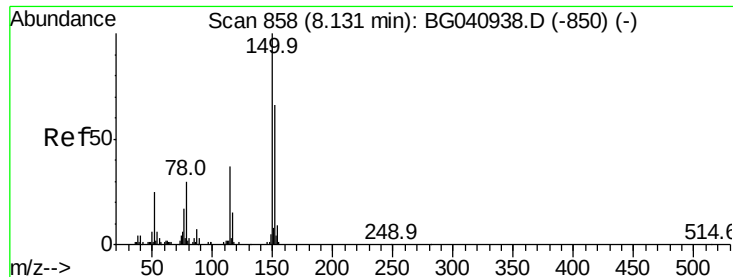
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: BG041083.D

Acq: 6 Jun 2019 9:52

Instrument :

BNA_G

ClientSampleId :

PB120328BL

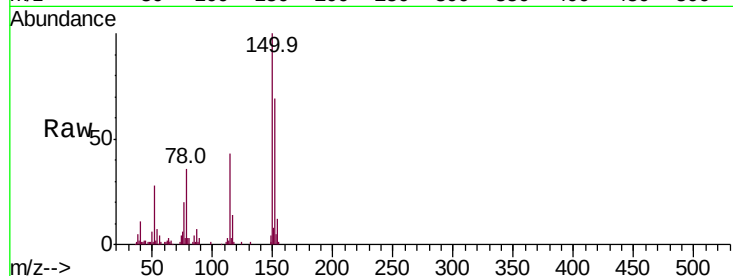
Tot Ion:152 Resp: 41676

Ion Ratio Lower Upper

152 100

150 145.5 120.6 180.8

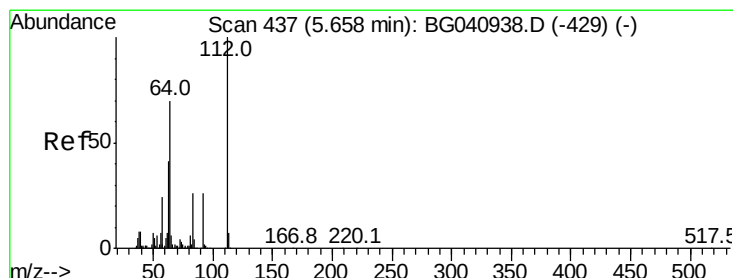
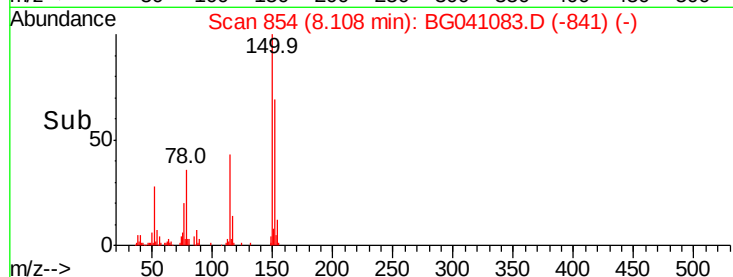
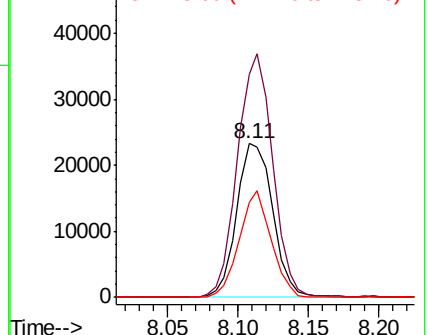
115 62.0 45.1 67.7



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: 120.602 ng

RT: 5.65 min Scan# 436

Delta R.T. -0.01 min

Lab File: BG041083.D

Acq: 6 Jun 2019 9:52

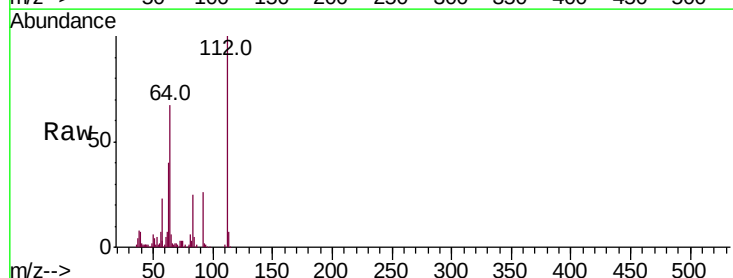
Tgt Ion:112 Resp: 278737

Ion Ratio Lower Upper

112 100

64 67.4 56.2 84.2

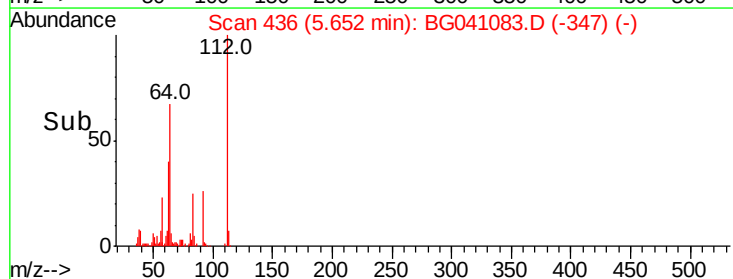
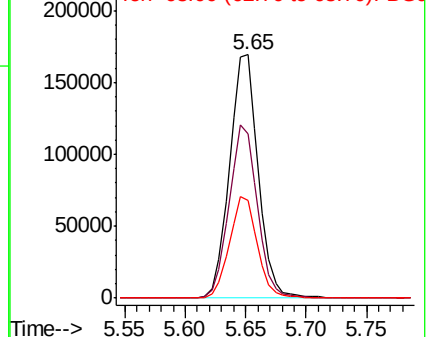
63 40.0 32.8 49.2

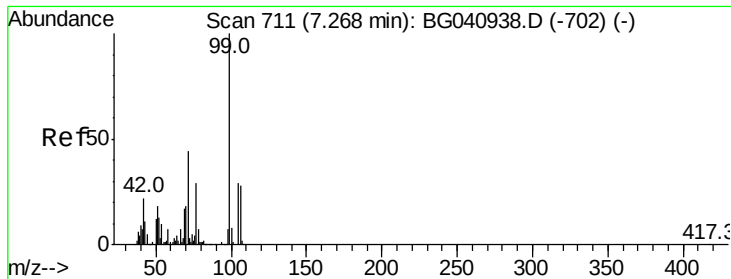


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BG0

Ion 63.00 (62.70 to 63.70): BG0





#7

Phenol-d6

Concen: 108.310 ng

RT: 7.26 min Scan# 709

Delta R.T. -0.01 min

Lab File: BG041083.D

Acq: 6 Jun 2019 9:52

Instrument :

BNA_G

ClientSampleId :

PB120328BL

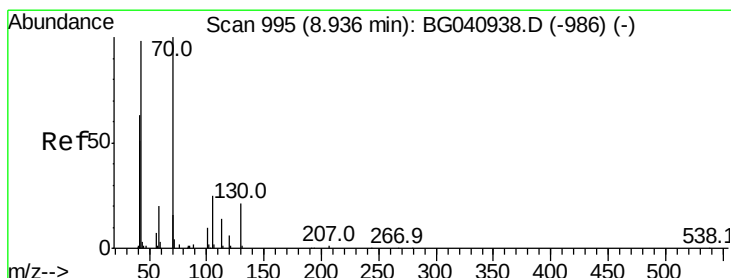
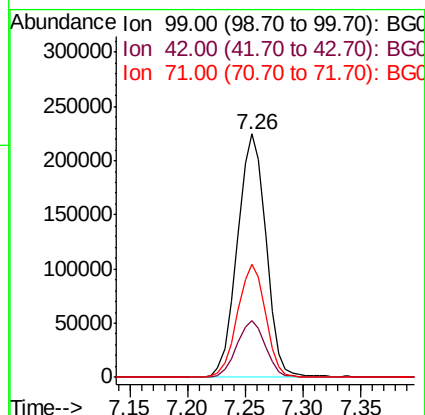
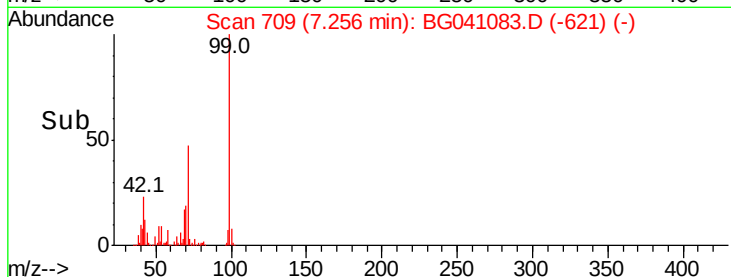
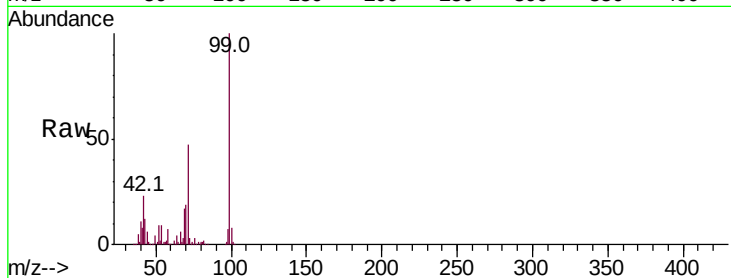
Tot Ion: 99 Resp: 386604

Ion Ratio Lower Upper

99 100

42 23.4 17.9 26.9

71 46.6 35.4 53.0



#19

n-Nitroso-di-n-propylamine

Concen: 14.176 ng

RT: 9.29 min Scan# 1055

Delta R.T. 0.35 min

Lab File: BG041083.D

Acq: 6 Jun 2019 9:52

Tgt Ion: 70 Resp: 38940

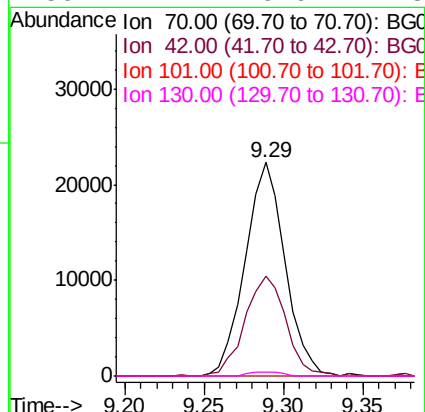
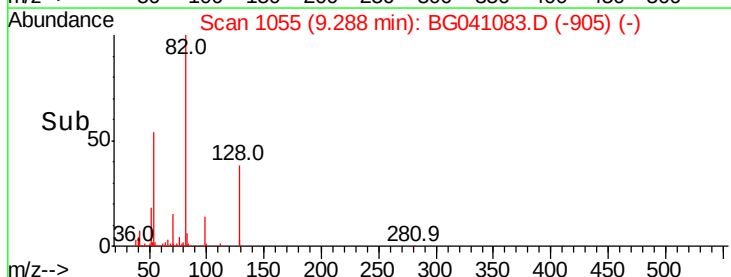
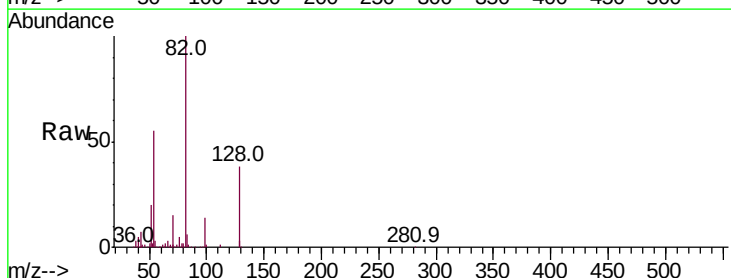
Ion Ratio Lower Upper

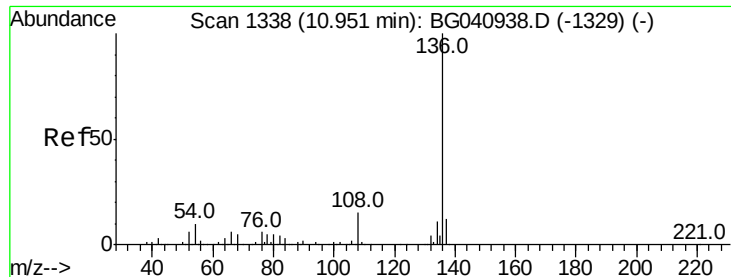
70 100

42 46.7 51.5 77.3#

101 0.0 8.1 12.1#

130 1.7 16.6 24.8#

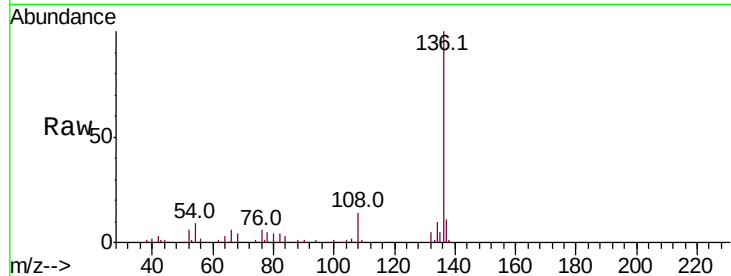




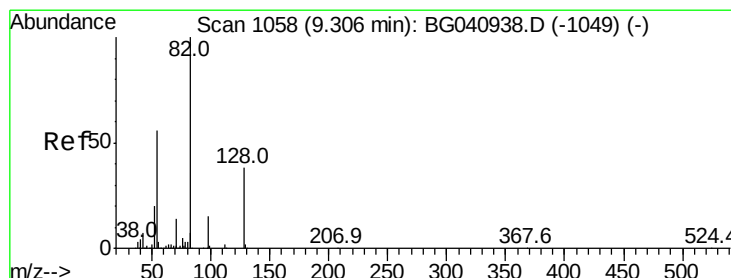
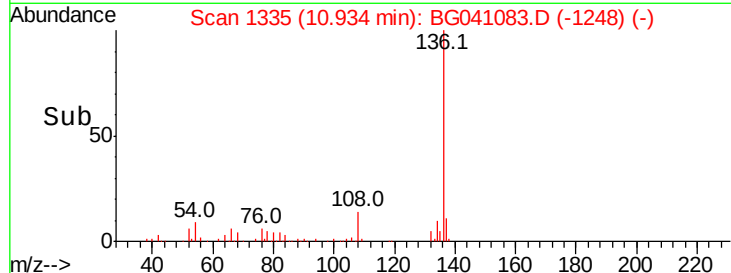
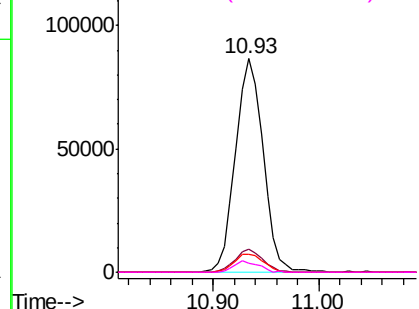
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.93 min Scan# 1335
Delta R.T. -0.02 min
Lab File: BG041083.D
Acq: 6 Jun 2019 9:52

Instrument :
BNA_G
ClientSampleId :
PB120328BL

Tot Ion:	136	Resp:	157280
Ion	Ratio	Lower	Upper
136	100		
137	11.0	9.5	14.3
54	8.5	7.6	11.4
68	4.2	3.9	5.9

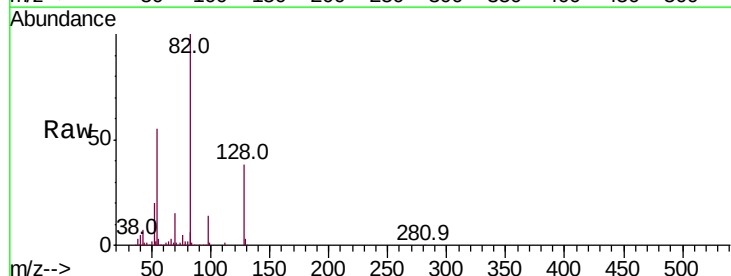


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

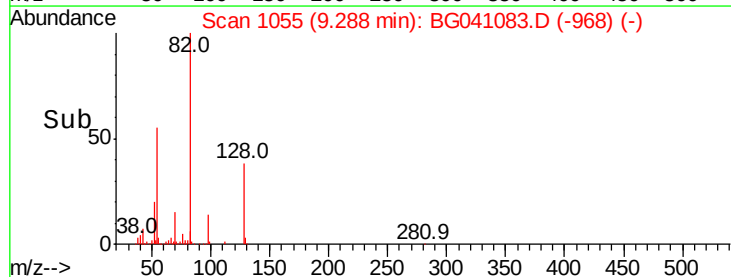
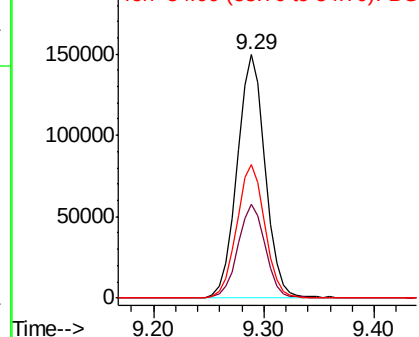


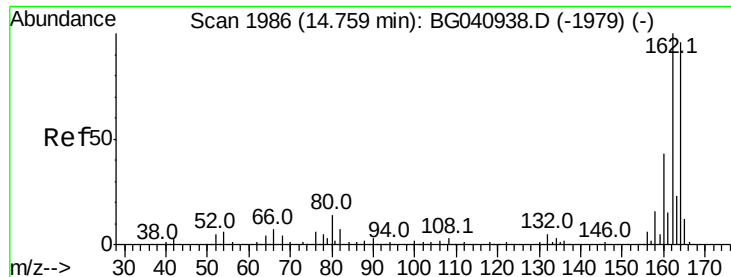
#23
Nitrobenzene-d5
Concen: 75.301 ng
RT: 9.29 min Scan# 1055
Delta R.T. -0.02 min
Lab File: BG041083.D
Acq: 6 Jun 2019 9:52

Tgt Ion:	82	Resp:	266780
Ion	Ratio	Lower	Upper
82	100		
128	38.4	30.5	45.7
54	54.7	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





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.74 min Scan# 1983

Delta R.T. -0.02 min

Lab File: BG041083.D

Acq: 6 Jun 2019 9:52

Instrument :

BNA_G

ClientSampleId :

PB120328BL

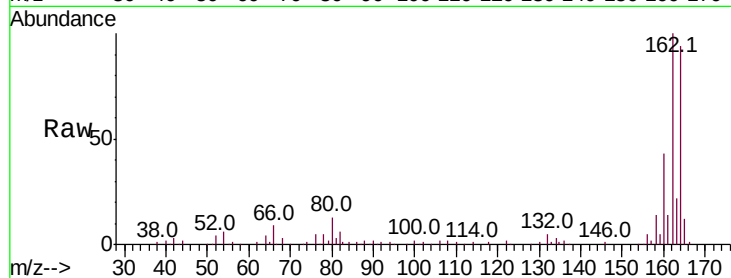
Tot Ion:164 Resp: 104521

Ion Ratio Lower Upper

164 100

162 106.8 83.0 124.4

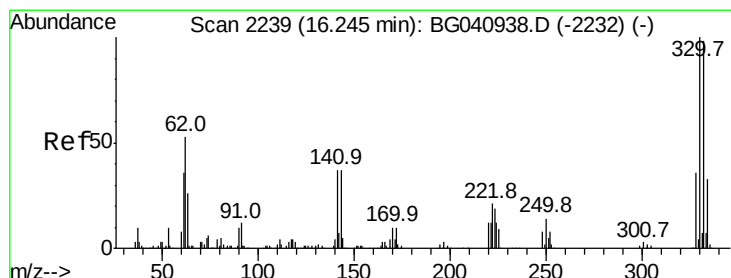
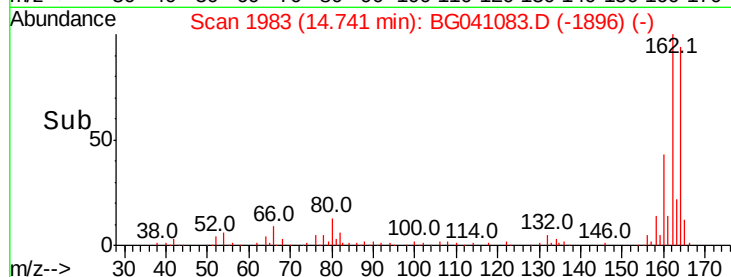
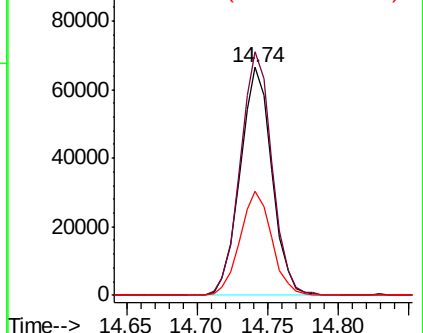
160 45.7 35.6 53.4



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



#42

2,4,6-Tribromophenol

Concen: 120.381 ng

RT: 16.23 min Scan# 2236

Delta R.T. -0.02 min

Lab File: BG041083.D

Acq: 6 Jun 2019 9:52

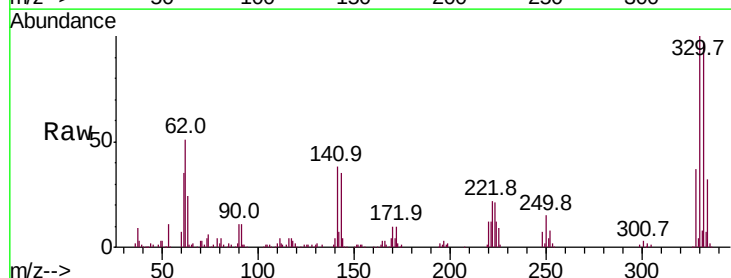
Tgt Ion:330 Resp: 186794

Ion Ratio Lower Upper

330 100

332 96.7 78.5 117.7

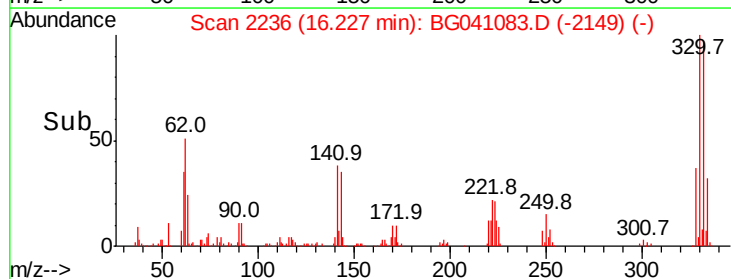
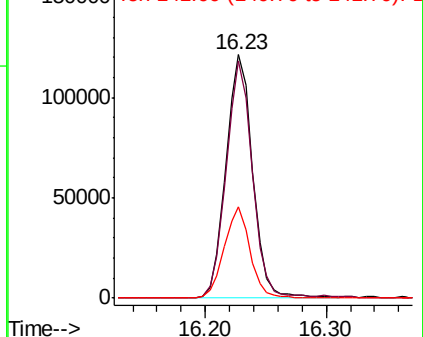
141 36.2 28.7 43.1

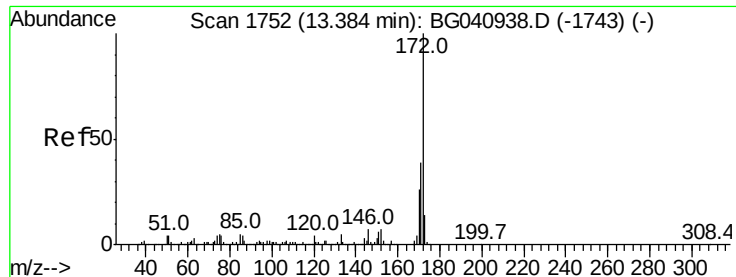


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E





#45

2-Fluorobiphenyl

Concen: 83.075 ng

RT: 13.37 min Scan# 1749

Delta R.T. -0.02 min

Lab File: BG041083.D

Acq: 6 Jun 2019 9:52

Instrument :

BNA_G

ClientSampleId :

PB120328BL

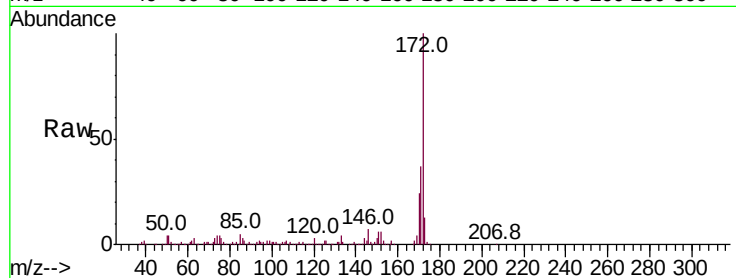
Tot Ion:172 Resp: 602944

Ion Ratio Lower Upper

172 100

171 37.3 31.1 46.7

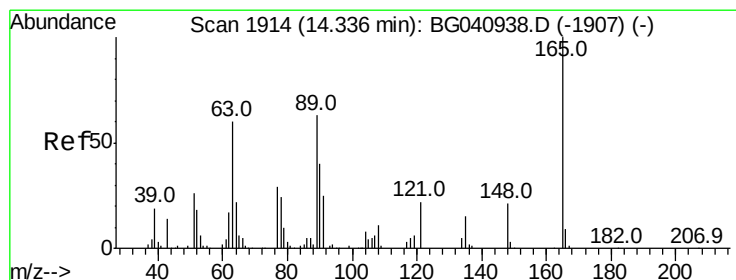
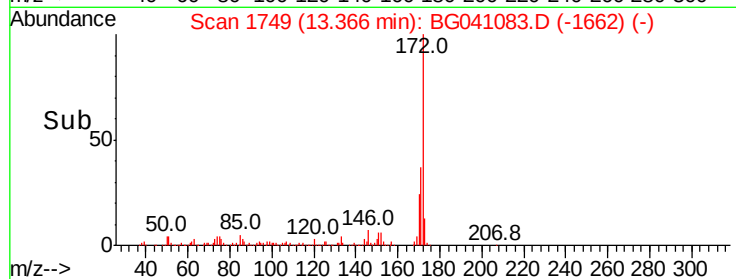
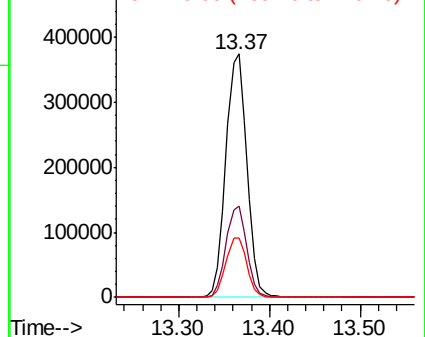
170 24.4 20.5 30.7



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: 7.137 ng

RT: 14.74 min Scan# 1983

Delta R.T. 0.41 min

Lab File: BG041083.D

Acq: 6 Jun 2019 9:52

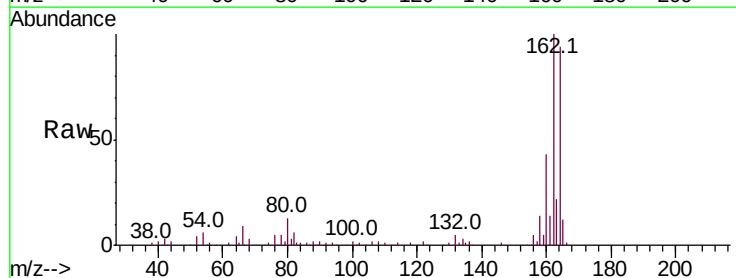
Tgt Ion:165 Resp: 13614

Ion Ratio Lower Upper

165 100

63 0.0 53.6 80.4#

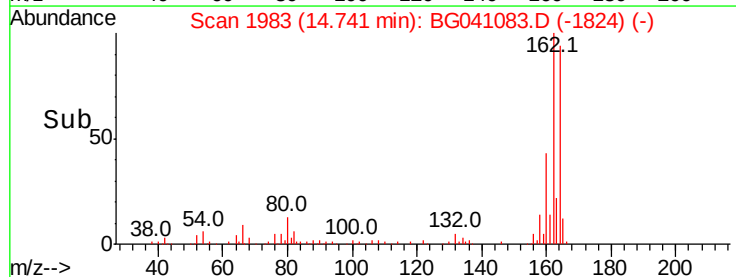
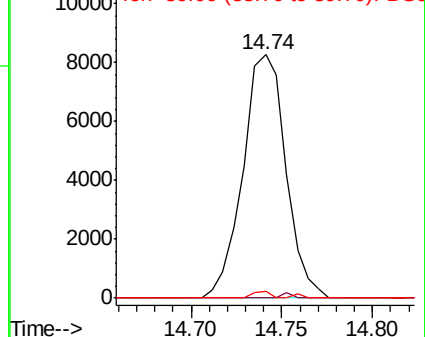
89 2.8 50.4 75.6#

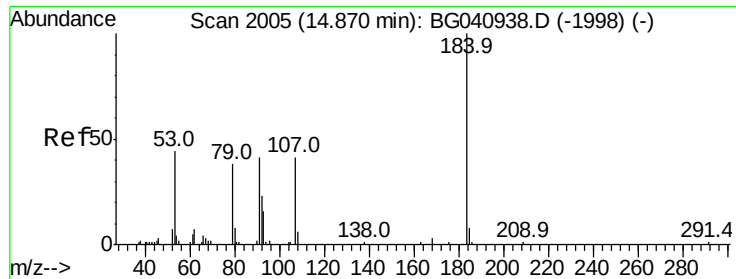


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BG0

Ion 89.00 (88.70 to 89.70): BG0





#54

2,4-Dinitrophenol

Concen: 8.318 ng

RT: 14.49 min Scan# 1941

Delta R.T. -0.38 min

Lab File: BG041083.D

Acq: 6 Jun 2019 9:52

Instrument :

BNA_G

ClientSampleId :

PB120328BL

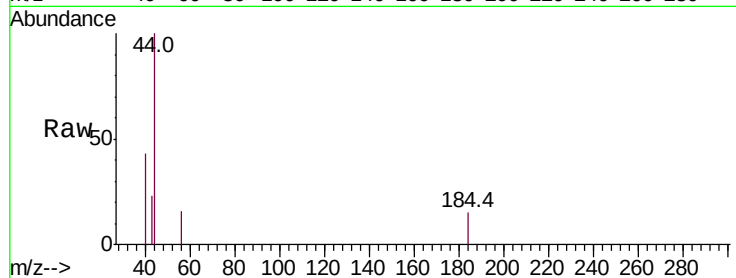
Tot Ion:184 Resp: 53

Ion Ratio Lower Upper

184 100

63 0.0 49.8 74.6#

154 0.0 52.2 78.4#



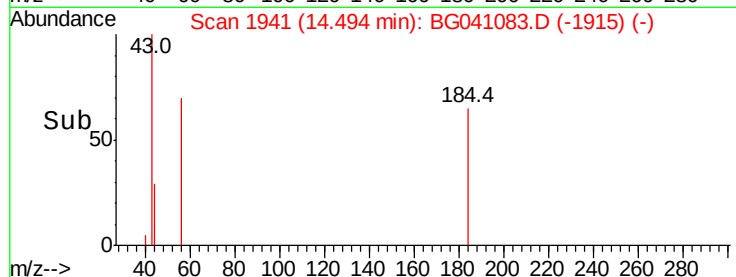
Abundance Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BGC

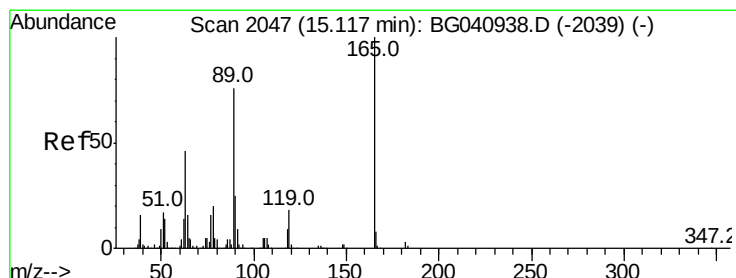
Ion 154.00 (153.70 to 154.70): E

14.49

14.48 14.50



Time-->



#57

2,4-Dinitrotoluene

Concen: 5.052 ng

RT: 14.74 min Scan# 1983

Delta R.T. -0.38 min

Lab File: BG041083.D

Acq: 6 Jun 2019 9:52

Tgt Ion:165 Resp: 13614

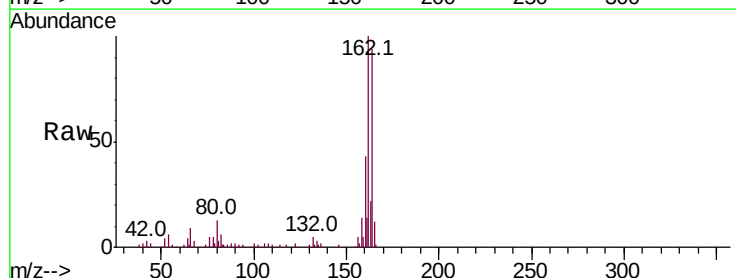
Ion Ratio Lower Upper

165 100

63 0.0 37.3 55.9#

89 2.8 61.0 91.6#

182 0.0 2.2 3.2#



Abundance Ion 165.00 (164.70 to 165.70): E

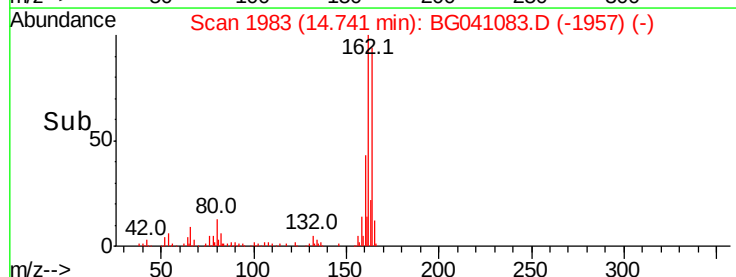
Ion 63.00 (62.70 to 63.70): BGC

Ion 89.00 (88.70 to 89.70): BGC

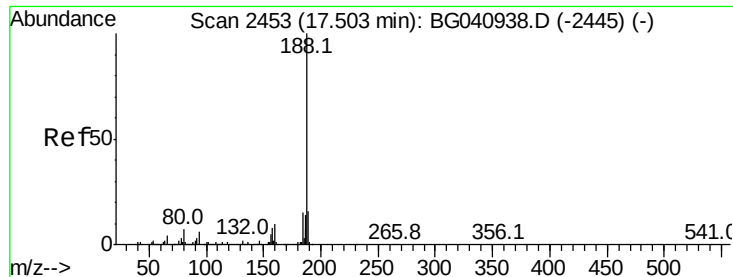
Ion 182.00 (181.70 to 182.70): E

14.74

14.70 14.75 14.80



Time-->



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.48 min Scan# 2450

Delta R.T. -0.02 min

Lab File: BG041083.D

Acq: 6 Jun 2019 9:52

Instrument :

BNA_G

ClientSampleId :

PB120328BL

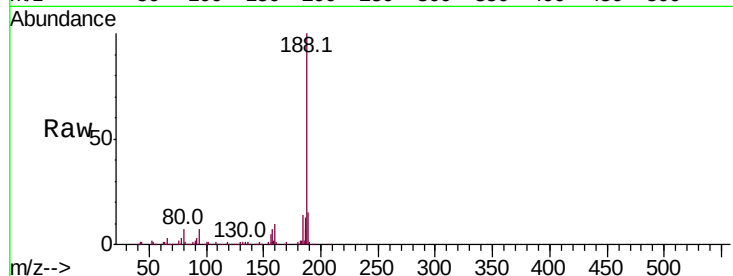
Tot Ion:188 Resp: 273488

Ion Ratio Lower Upper

188 100

94 6.5 4.7 7.1

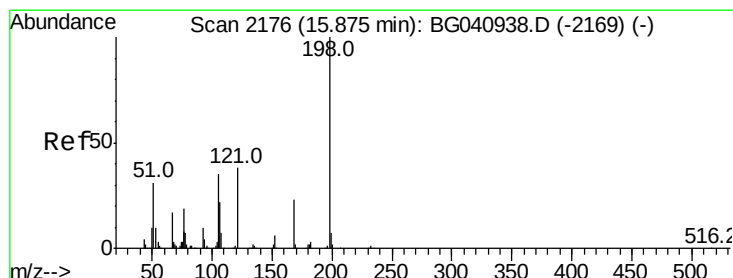
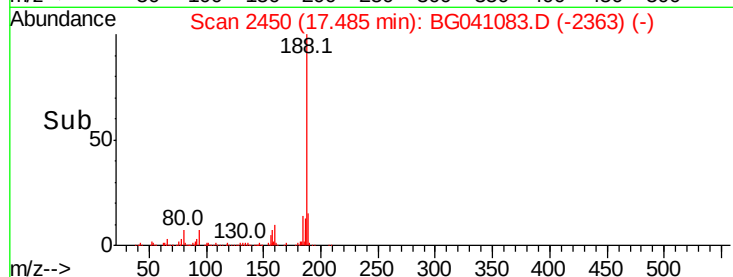
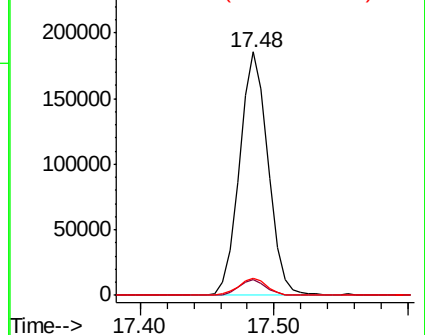
80 7.2 5.8 8.8



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: 8.924 ng

RT: 16.23 min Scan# 2236

Delta R.T. 0.35 min

Lab File: BG041083.D

Acq: 6 Jun 2019 9:52

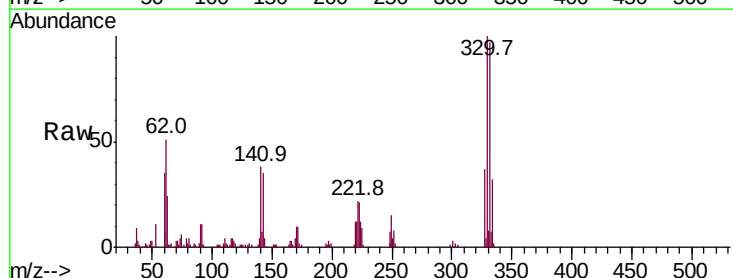
Tgt Ion:198 Resp: 597

Ion Ratio Lower Upper

198 100

51 68.5 21.6 61.6#

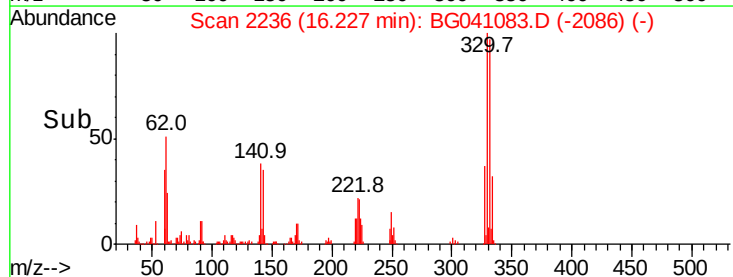
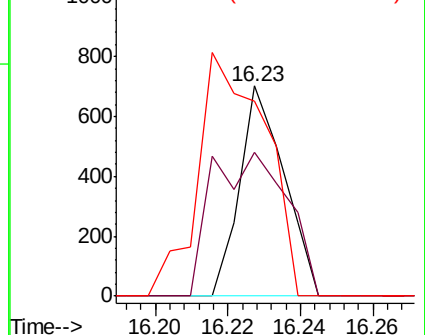
105 92.9 17.5 57.5#

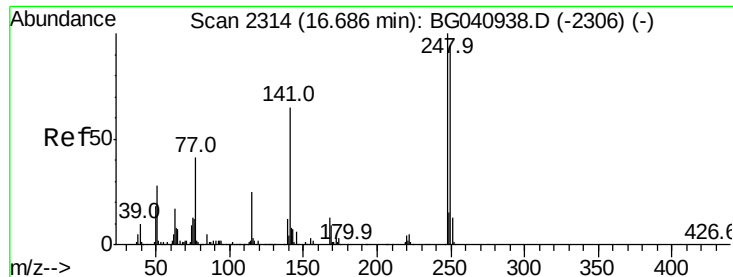


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BGC

Ion 105.00 (104.70 to 105.70): E

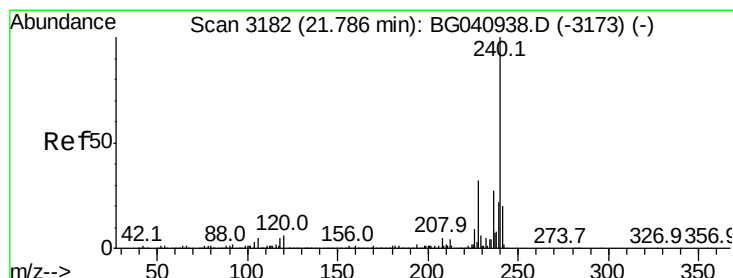
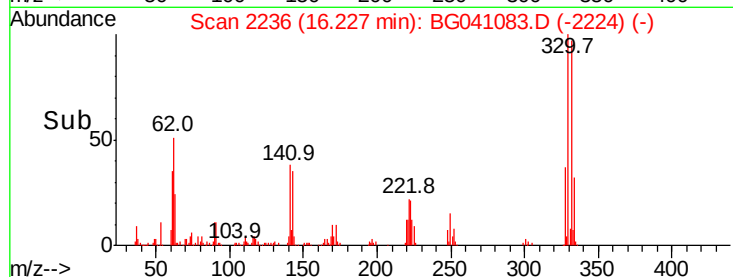
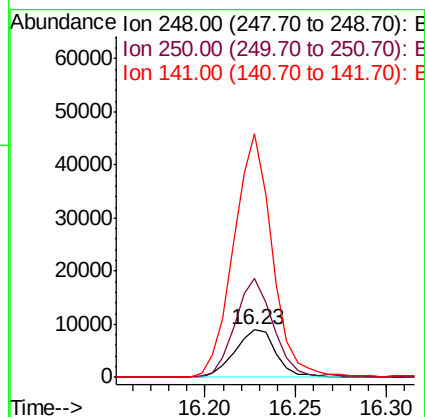
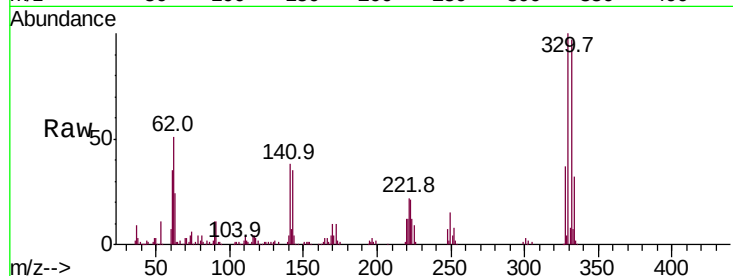




#67
4-Bromophenyl-phenylether
Concen: 3.803 ng
RT: 16.23 min Scan# 2236
Delta R.T. -0.46 min
Lab File: BG041083.D
Acq: 6 Jun 2019 9:52

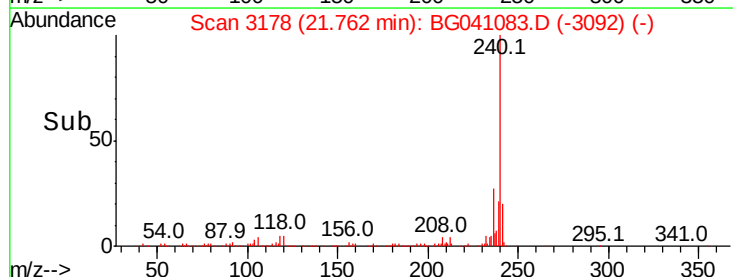
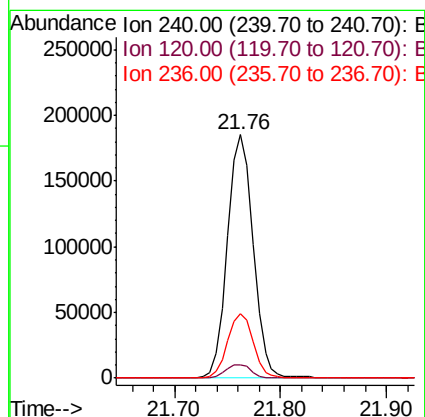
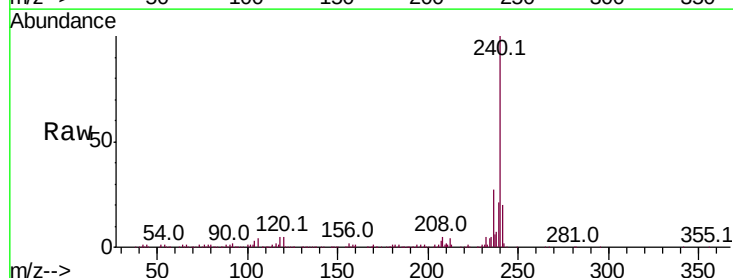
Instrument :
BNA_G
ClientSampleId :
PB120328BL

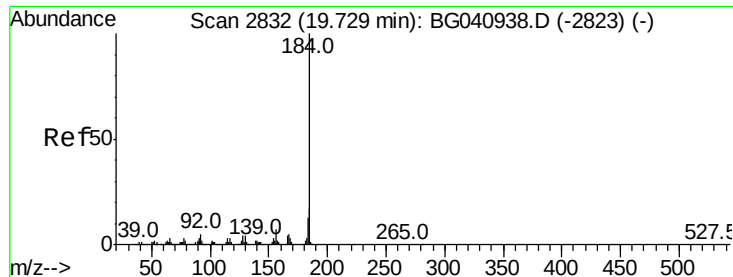
Tot Ion:248 Resp: 14038
Ion Ratio Lower Upper
248 100
250 207.4 75.0 112.4#
141 510.3 52.4 78.6#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.76 min Scan# 3178
Delta R.T. -0.02 min
Lab File: BG041083.D
Acq: 6 Jun 2019 9:52

Tgt Ion:240 Resp: 313005
Ion Ratio Lower Upper
240 100
120 5.3 4.5 6.7
236 26.7 21.3 31.9





#77

Benzidine

Concen: 2.444 ng

RT: 20.08 min Scan# 2892

Delta R.T. 0.35 min

Lab File: BG041083.D

Acq: 6 Jun 2019 9:52

Instrument :

BNA_G

ClientSampleId :

PB120328BL

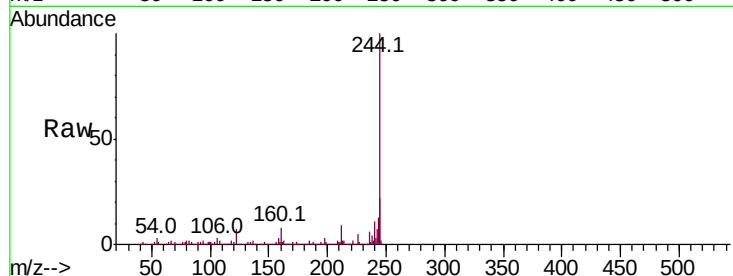
Tot Ion:184 Resp: 18251

Ion Ratio Lower Upper

184 100

185 17.3 13.3 19.9

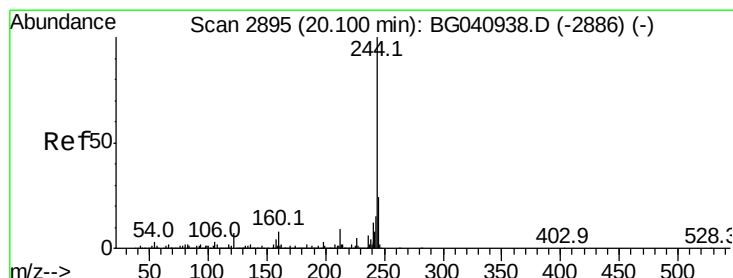
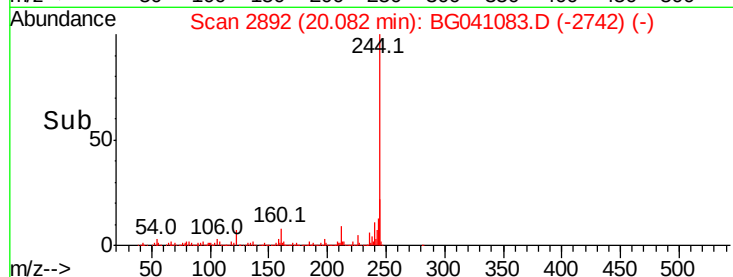
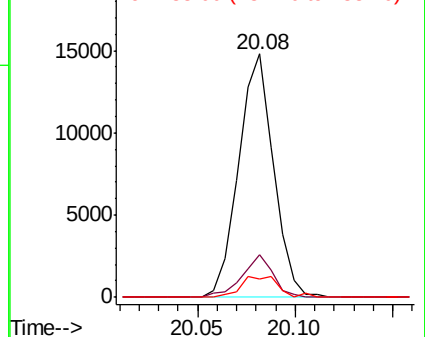
183 7.7 10.7 16.1#



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: 78.071 ng

RT: 20.08 min Scan# 2892

Delta R.T. -0.02 min

Lab File: BG041083.D

Acq: 6 Jun 2019 9:52

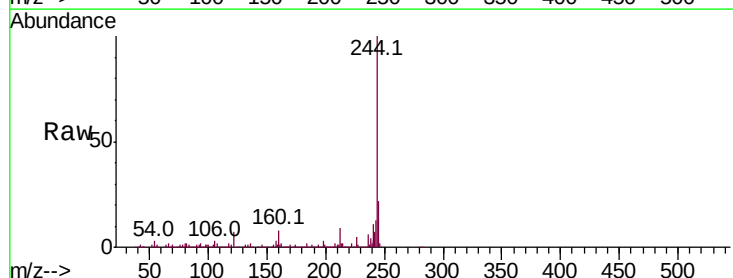
Tgt Ion:244 Resp: 1151397

Ion Ratio Lower Upper

244 100

212 8.5 7.0 10.4

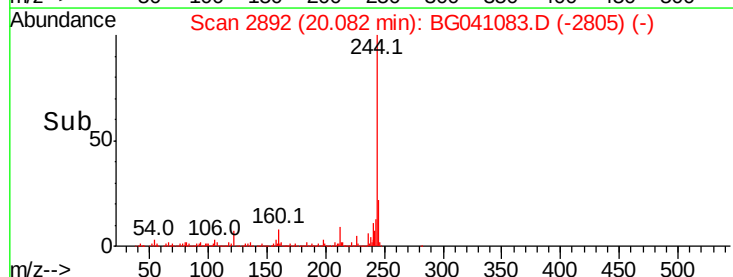
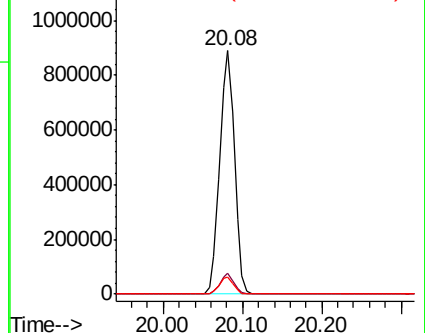
122 6.8 5.4 8.0

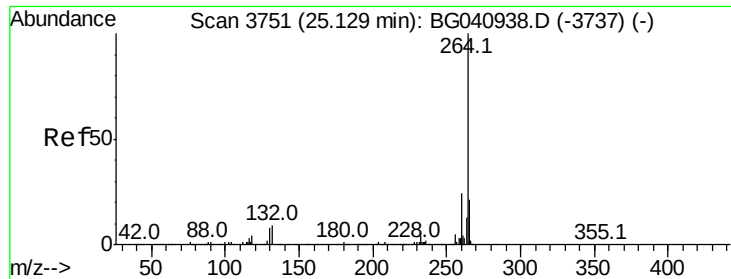


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

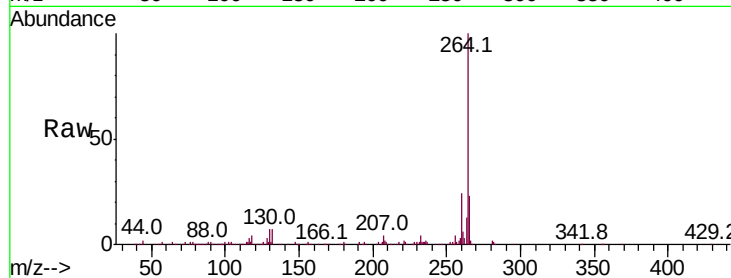




#87
 Pervlene-d12
 Concen: 20.000 ng
 RT: 25.09 min Scan# 3745
 Delta R.T. -0.04 min
 Lab File: BG041083.D
 Acq: 6 Jun 2019 9:52

Instrument :
 BNA_G
 ClientSampleId :
 PB120328BL

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.5	19.0	28.4
265	23.3	17.0	25.4



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

