

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG011019\
 Data File : BG039083.D
 Acq On : 11 Jan 2019 10:59
 Operator : JU/SJ
 Sample : K1099-08
 Misc :
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Jan 11 12:40:04 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG010919.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jan 09 14:23:53 2019
 Response via : Initial Calibration

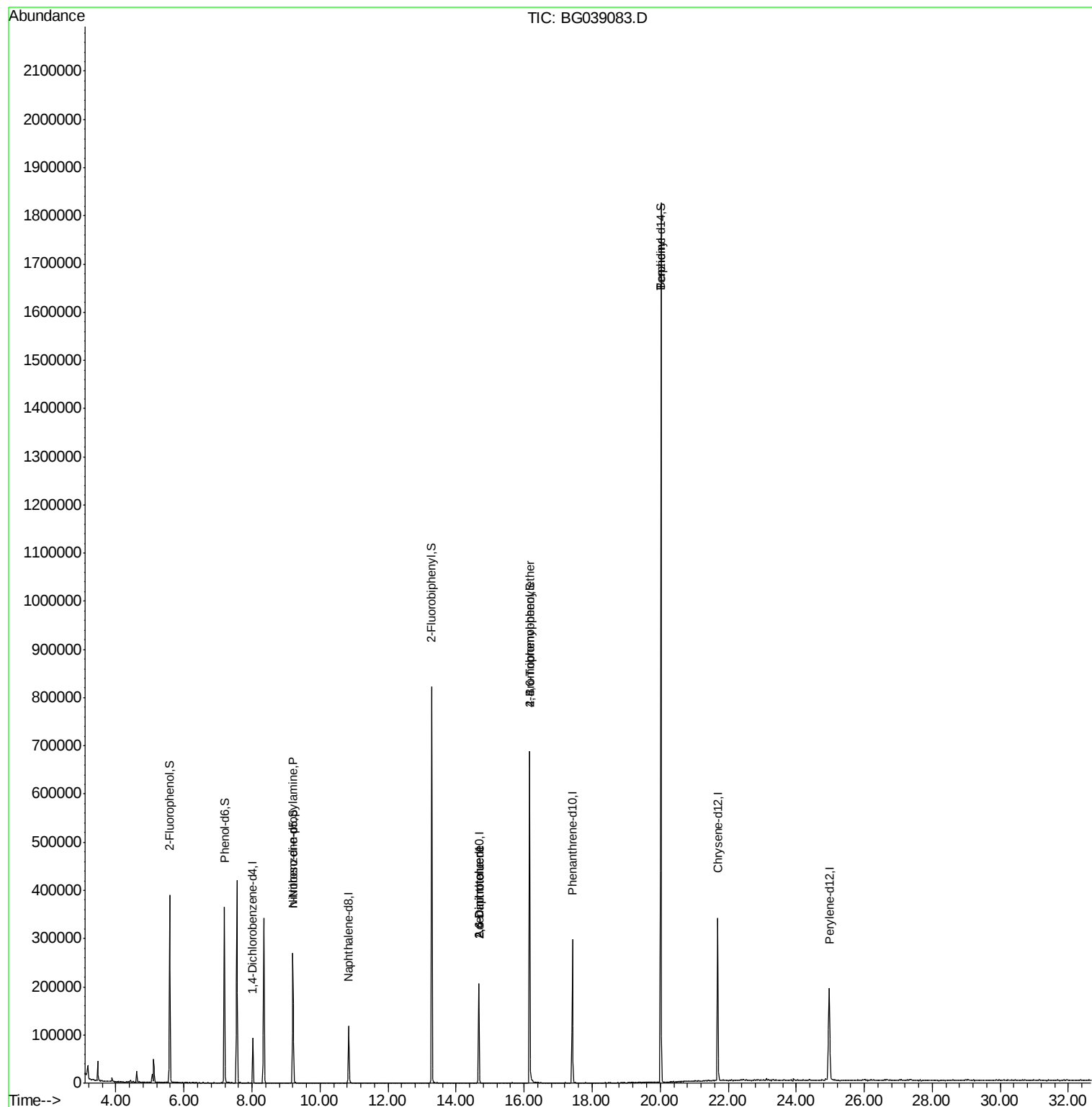
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.02	152	27083	20.00	ng	0.00
21) Naphthalene-d8	10.84	136	109270	20.00	ng	0.00
39) Acenaphthene-d10	14.67	164	77531	20.00	ng	0.00
64) Phenanthrene-d10	17.42	188	207616	20.00	ng	0.00
76) Chrysene-d12	21.69	240	228208	20.00	ng	-0.01
87) Perylene-d12	24.97	264	242173	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.58	112	176975	123.96	ng	0.00
7) Phenol-d6	7.19	99	220051	107.10	ng	0.00
23) Nitrobenzene-d5	9.20	82	163811	82.03	ng	0.00
42) 2,4,6-Tribromophenol	16.16	330	159799	122.96	ng	0.00
45) 2-Fluorobiphenyl	13.28	172	462005	81.55	ng	0.00
79) Terphenyl-d14	20.02	244	934005	75.71	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.20	70	21636	16.036	ng	# 69
51) 2,6-Dinitrotoluene	14.67	165	10009	6.833	ng	# 24
57) 2,4-Dinitrotoluene	14.67	165	10009	4.763	ng	# 26
67) 4-Bromophenyl-phenylether	16.16	248	10580	3.964	ng	# 1
77) Benzidine	20.02	184	14779	2.117	ng	# 93

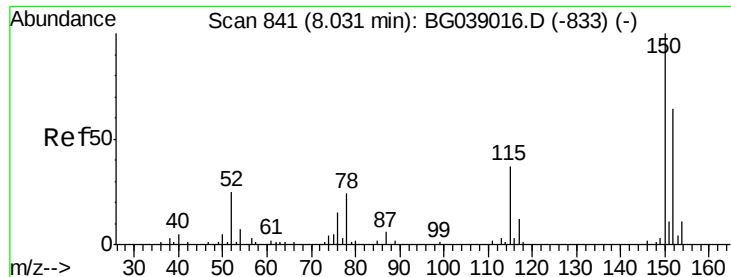
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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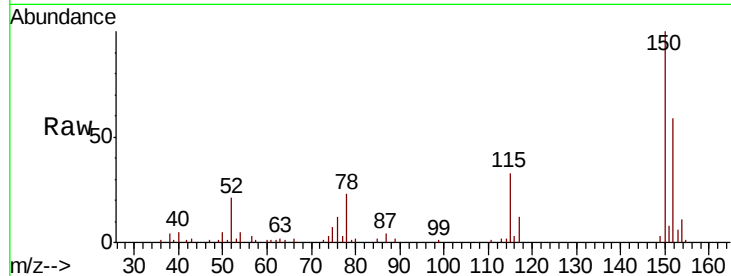


#1

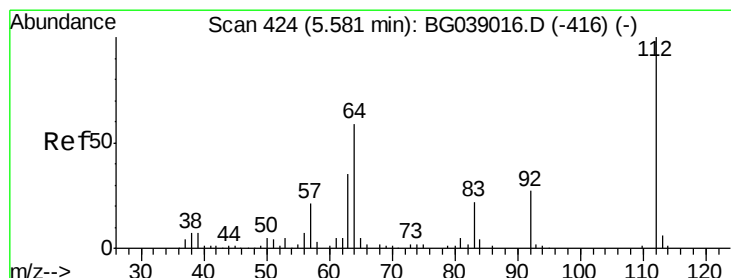
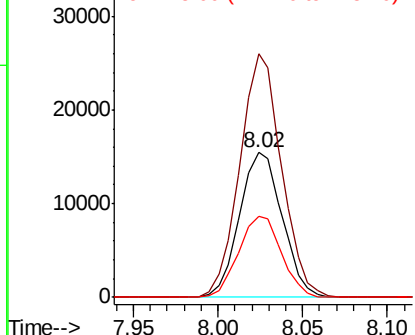
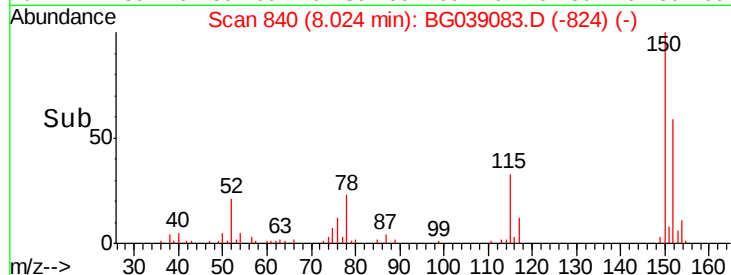
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.02 min Scan# 840
Delta R.T. -0.01 min
Lab File: BG039083.D
Acq: 11 Jan 2019 10:59

Instrument :
BNA_G
ClientSampleId :

Tot Ion:152 Resp: 27083
Ion Ratio Lower Upper
152 100
150 168.4 124.7 187.1
115 55.9 46.5 69.7



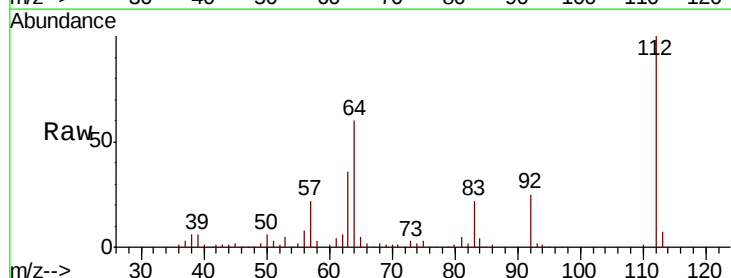
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



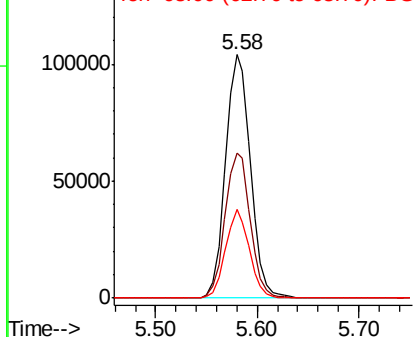
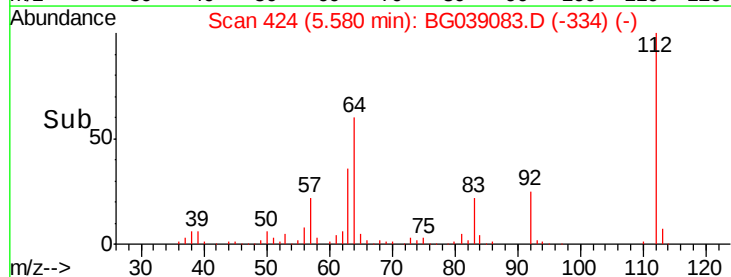
#5

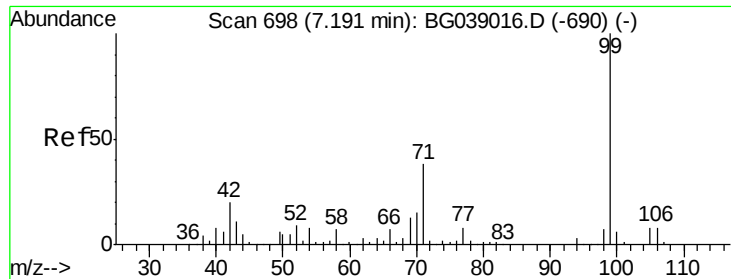
2-Fluorophenol
Concen: 123.959 ng
RT: 5.58 min Scan# 424
Delta R.T. -0.00 min
Lab File: BG039083.D
Acq: 11 Jan 2019 10:59

Tgt Ion:112 Resp: 176975
Ion Ratio Lower Upper
112 100
64 59.5 47.0 70.6
63 36.3 28.0 42.0



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BG
Ion 63.00 (62.70 to 63.70): BG





#7

Phenol-d6

Concen: 107.100 ng

RT: 7.19 min Scan# 698

Delta R.T. -0.00 min

Lab File: BG039083.D

Acq: 11 Jan 2019 10:59

Instrument :

BNA_G

ClientSampleId :

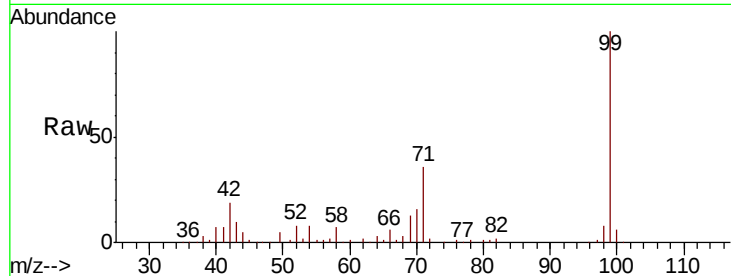
Tot Ion: 99 Resp: 220051

Ion Ratio Lower Upper

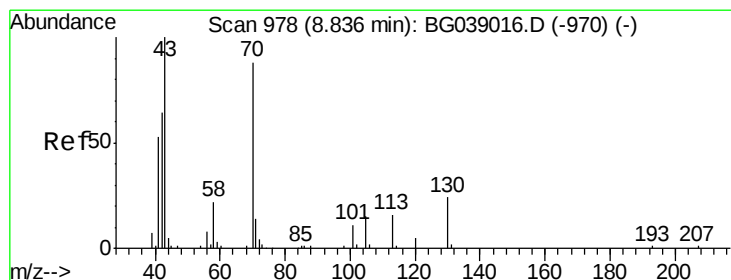
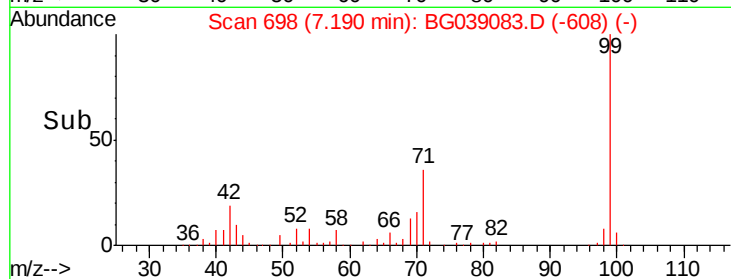
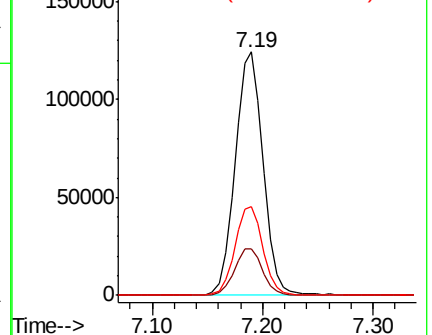
99 100

42 19.1 15.8 23.6

71 36.4 30.2 45.4



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: 16.036 ng

RT: 9.20 min Scan# 1041

Delta R.T. 0.37 min

Lab File: BG039083.D

Acq: 11 Jan 2019 10:59

Tgt Ion: 70 Resp: 21636

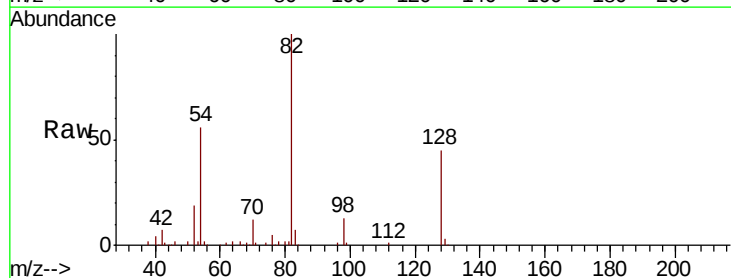
Ion Ratio Lower Upper

70 100

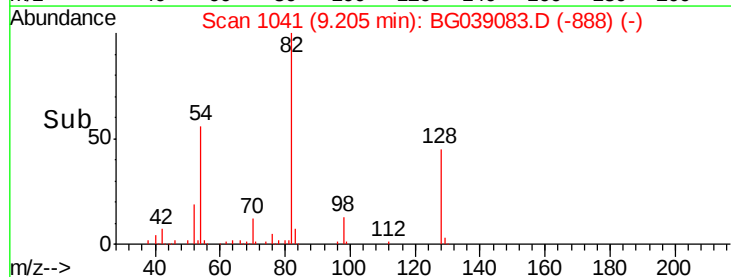
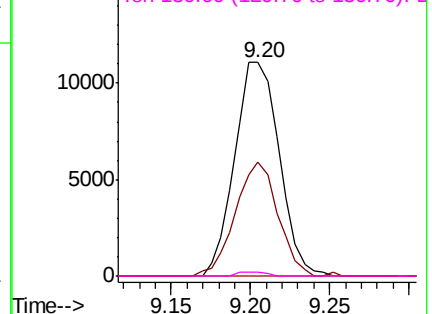
42 53.3 59.0 88.4#

101 0.0 10.4 15.6#

130 1.8 21.6 32.4#



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: 10.84 min Scan# 1320

Delta R.T. -0.00 min

Lab File: BG039083.D

Acq: 11 Jan 2019 10:59

Instrument :

BNA_G

ClientSampleId :

Tot Ion:136 Resp: 109270

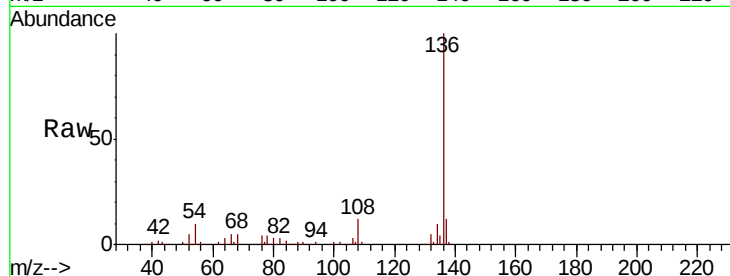
Ion Ratio Lower Upper

136 100

137 12.3 9.4 14.2

54 9.7 7.2 10.8

68 4.5 3.5 5.3

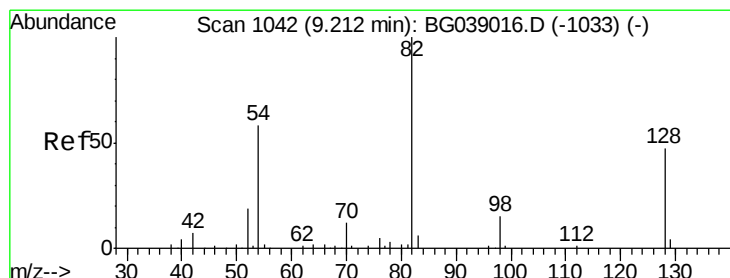
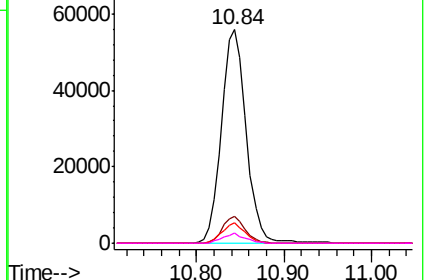
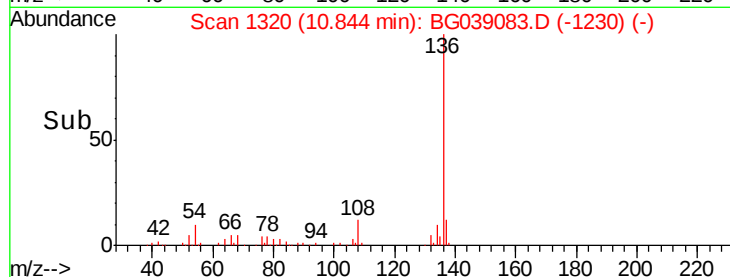


Abundance Ion 136.00 (135.70 to 136.70): E

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: 82.032 ng

RT: 9.20 min Scan# 1041

Delta R.T. -0.01 min

Lab File: BG039083.D

Acq: 11 Jan 2019 10:59

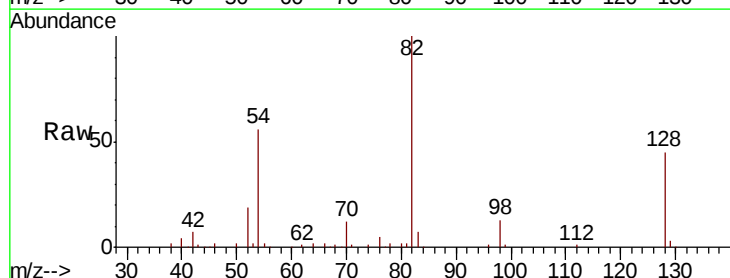
Tgt Ion: 82 Resp: 163811

Ion Ratio Lower Upper

82 100

128 44.5 37.3 55.9

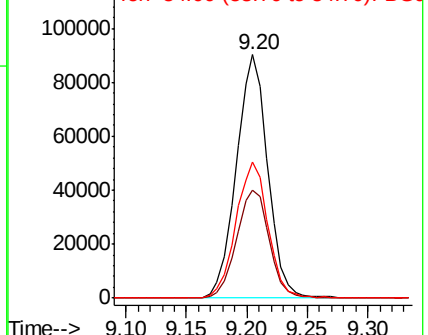
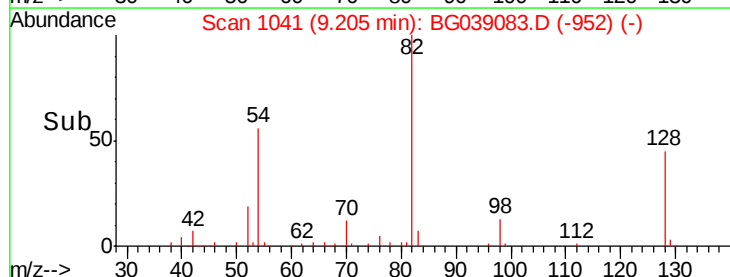
54 55.9 46.4 69.6



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: 14.67 min Scan# 1971

Delta R.T. -0.00 min

Lab File: BG039083.D

Acq: 11 Jan 2019 10:59

Instrument :

BNA_G

ClientSampleId :

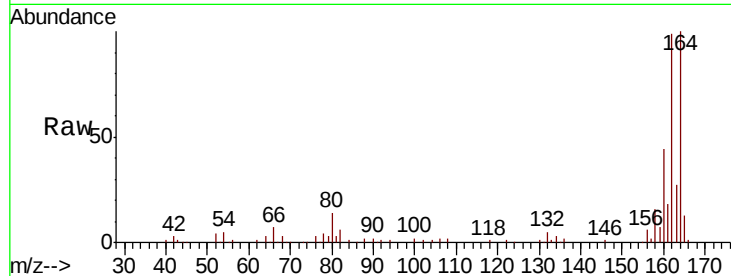
Tot Ion:164 Resp: 77531

Ion Ratio Lower Upper

164 100

162 99.2 87.2 130.8

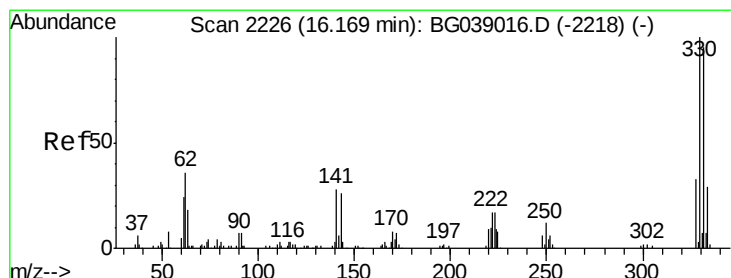
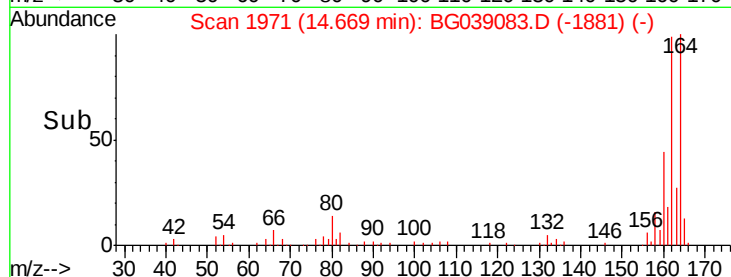
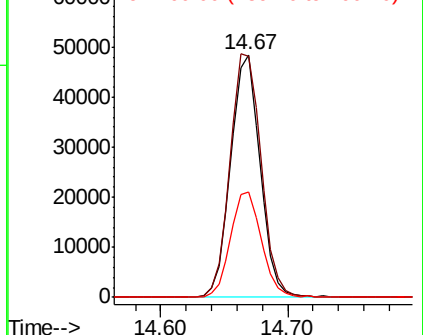
160 43.7 33.3 49.9



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



#42

2,4,6-Tribromophenol

Concen: 122.957 ng

RT: 16.16 min Scan# 2225

Delta R.T. -0.01 min

Lab File: BG039083.D

Acq: 11 Jan 2019 10:59

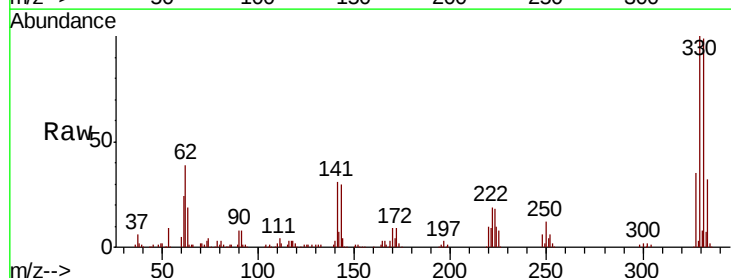
Tgt Ion:330 Resp: 159799

Ion Ratio Lower Upper

330 100

332 95.7 75.7 113.5

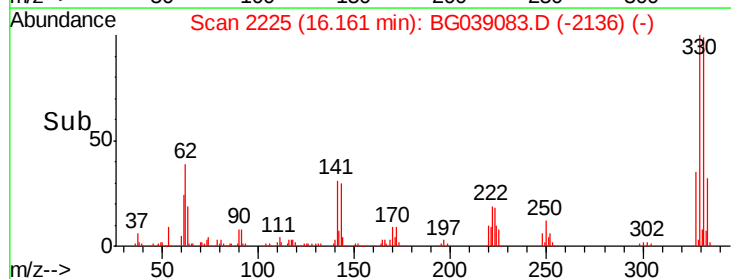
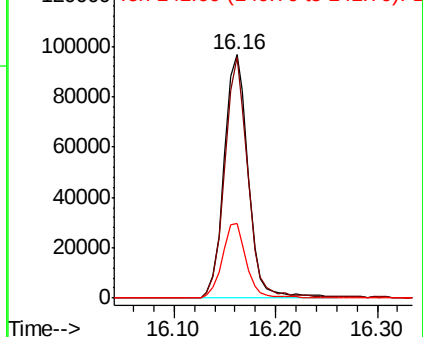
141 30.5 24.9 37.3



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

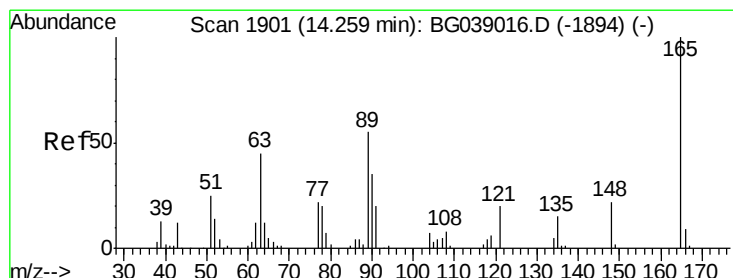
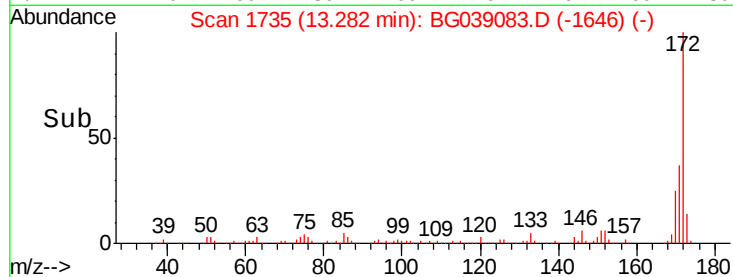
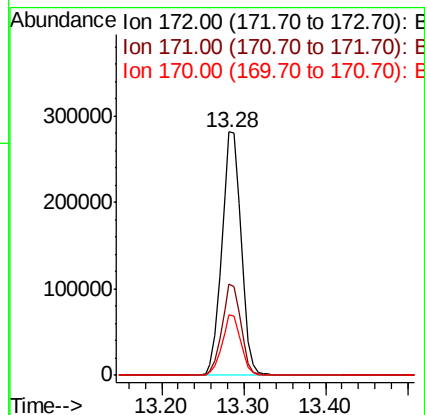
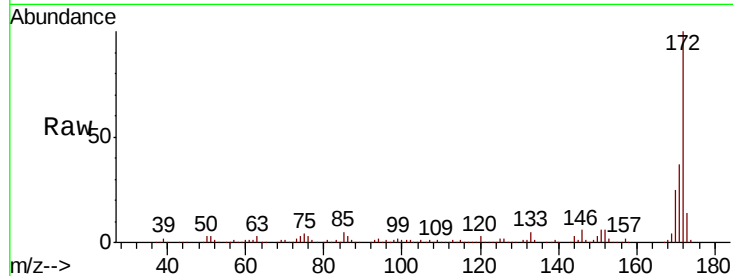




#45
 2-Fluorobiphenyl
 Concen: 81.552 ng
 RT: 13.28 min Scan# 1735
 Delta R.T. -0.01 min
 Lab File: BG039083.D
 Acq: 11 Jan 2019 10:59

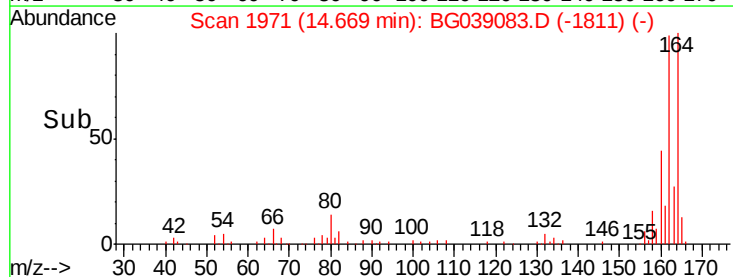
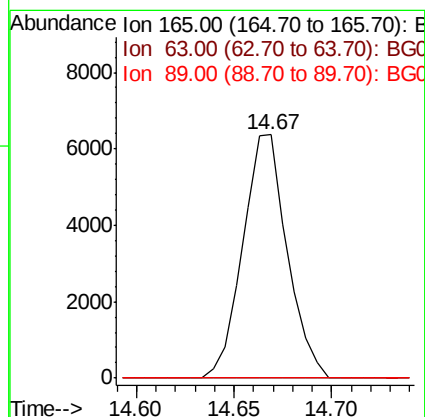
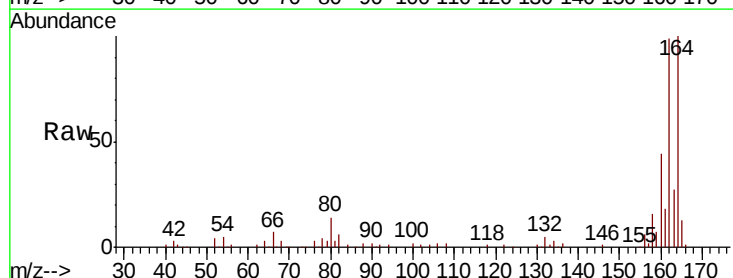
Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
172	100		
171	37.5	29.4	44.0
170	24.6	20.1	30.1



#51
 2,6-Dinitrotoluene
 Concen: 6.833 ng
 RT: 14.67 min Scan# 1971
 Delta R.T. 0.41 min
 Lab File: BG039083.D
 Acq: 11 Jan 2019 10:59

Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.0	43.6	65.4#
89	0.0	43.7	65.5#

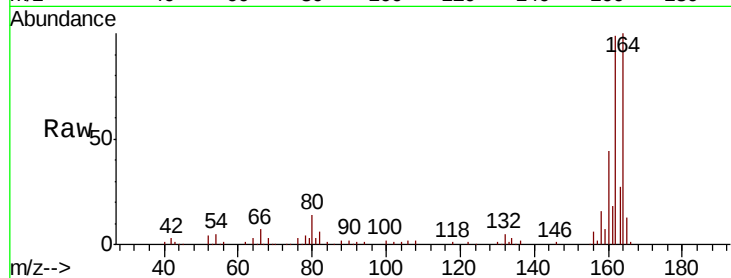




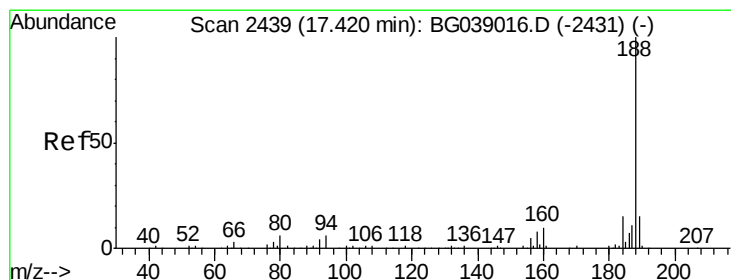
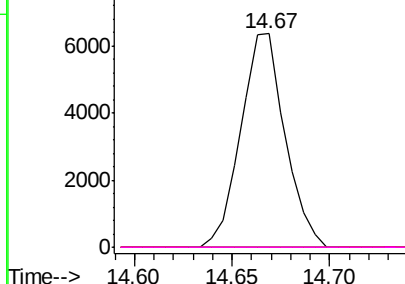
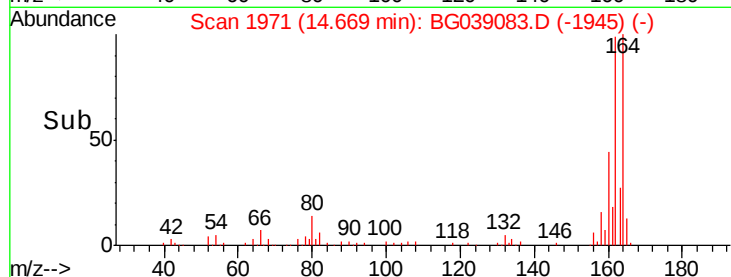
#57
 2,4-Dinitrotoluene
 Concen: 4.763 ng
 RT: 14.67 min Scan# 1971
 Delta R.T. -0.38 min
 Lab File: BG039083.D
 Acq: 11 Jan 2019 10:59

Instrument :
 BNA_G
 ClientSampled :

Tot Ion:165 Resp: 10009
 Ion Ratio Lower Upper
 165 100
 63 0.0 30.2 45.4#
 89 0.0 53.2 79.8#
 182 0.0 2.7 4.1#

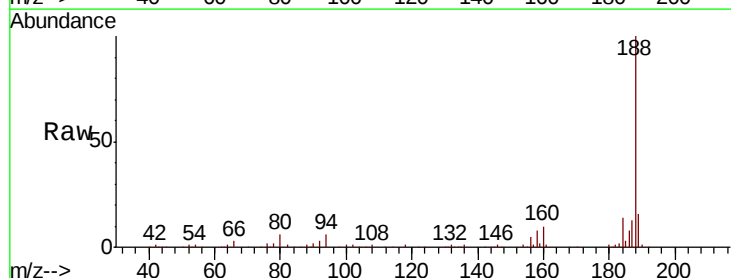


Abundance Ion 165.00 (164.70 to 165.70): E
 10000
 Ion 63.00 (62.70 to 63.70): BGC
 Ion 89.00 (88.70 to 89.70): BGC
 Ion 182.00 (181.70 to 182.70): E

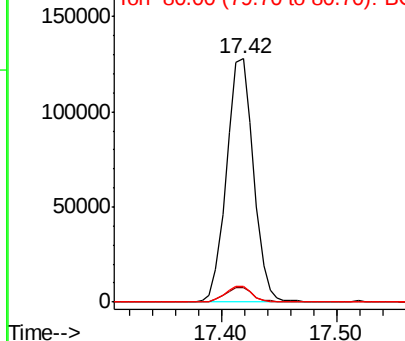
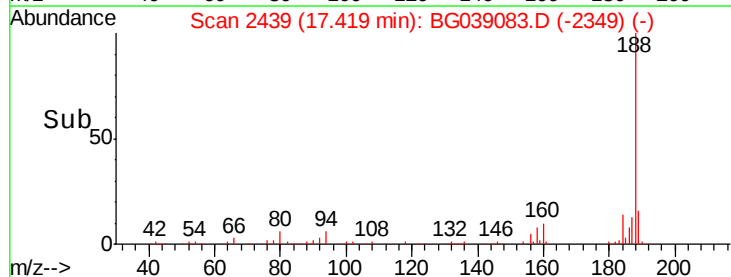


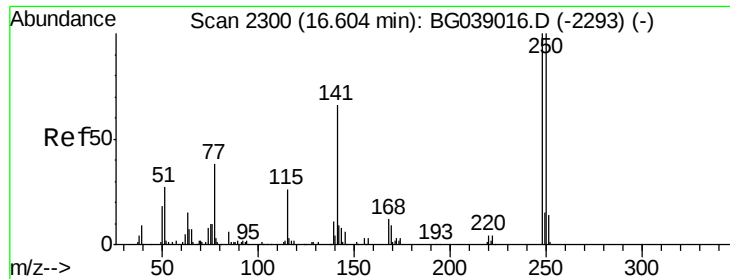
#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.42 min Scan# 2439
 Delta R.T. -0.00 min
 Lab File: BG039083.D
 Acq: 11 Jan 2019 10:59

Tgt Ion:188 Resp: 207616
 Ion Ratio Lower Upper
 188 100
 94 5.9 5.0 7.4
 80 6.2 4.7 7.1



Abundance Ion 188.00 (187.70 to 188.70): E
 150000
 Ion 94.00 (93.70 to 94.70): BGC
 Ion 80.00 (79.70 to 80.70): BGC





#67

4-Bromophenyl-phenylether

Concen: 3.964 ng

RT: 16.16 min Scan# 2224

Delta R.T. -0.45 min

Lab File: BG039083.D

Acq: 11 Jan 2019 10:59

Instrument :

BNA_G

ClientSampleId :

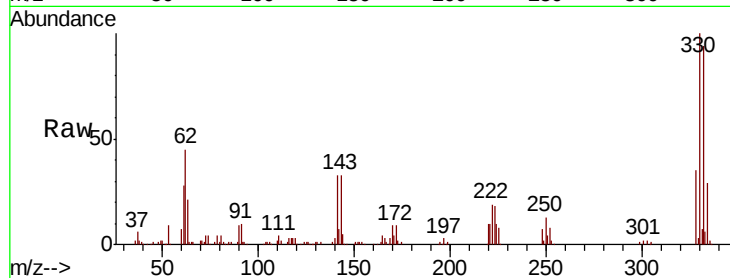
Tot Ion:248 Resp: 10580

Ion Ratio Lower Upper

248 100

250 191.3 79.9 119.9#

141 368.8 52.7 79.1#

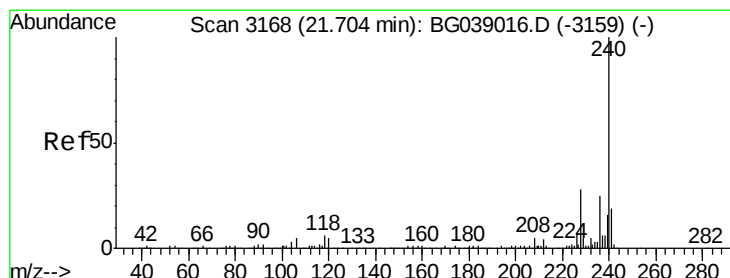
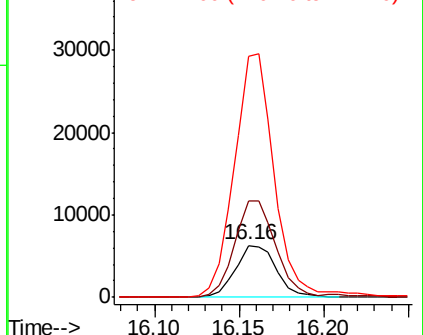
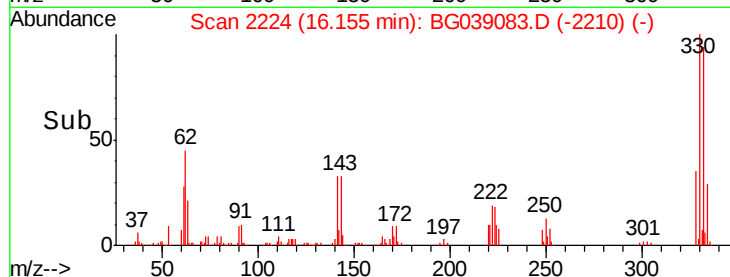


Abundance

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: 21.69 min Scan# 3166

Delta R.T. -0.01 min

Lab File: BG039083.D

Acq: 11 Jan 2019 10:59

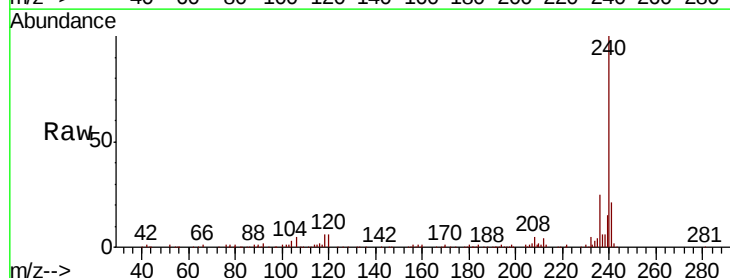
Tgt Ion:240 Resp: 228208

Ion Ratio Lower Upper

240 100

120 6.5 4.3 6.5#

236 25.3 20.1 30.1

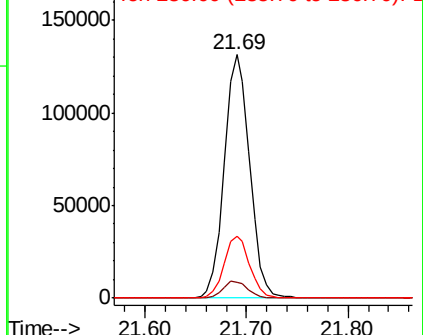
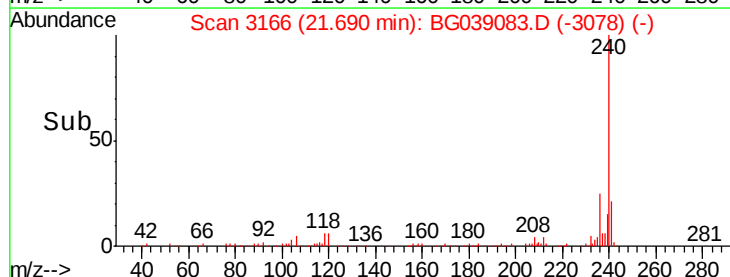


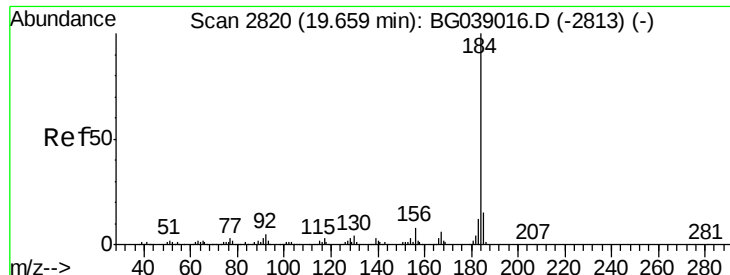
Abundance

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: 2.117 ng

RT: 20.02 min Scan# 2882

Delta R.T. 0.36 min

Lab File: BG039083.D

Acq: 11 Jan 2019 10:59

Instrument :

BNA_G

ClientSampleId :

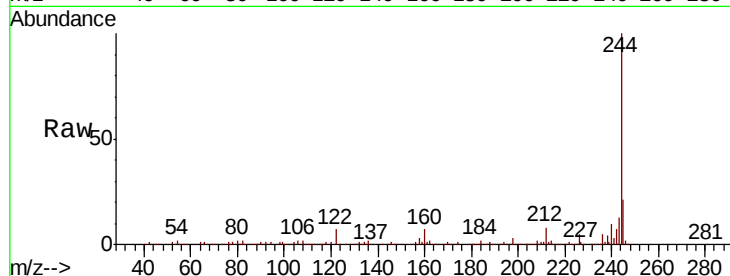
Tot Ion:184 Resp: 14779

Ion Ratio Lower Upper

184 100

185 14.1 12.1 18.1

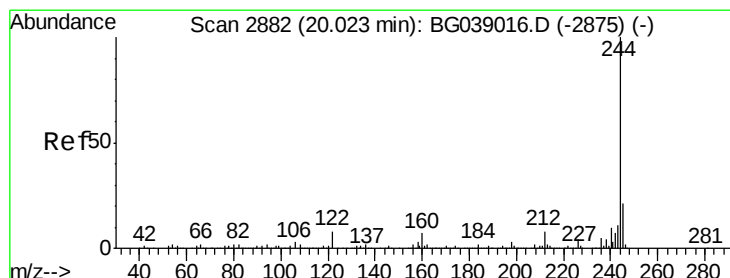
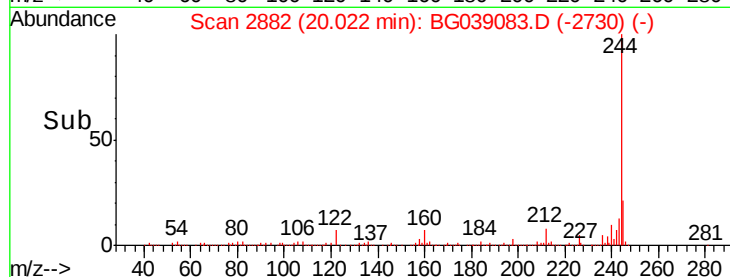
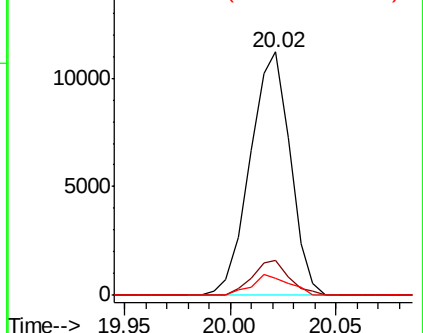
183 7.1 9.5 14.3#



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



#79

Terphenyl-d14

Concen: 75.712 ng

RT: 20.02 min Scan# 2882

Delta R.T. -0.00 min

Lab File: BG039083.D

Acq: 11 Jan 2019 10:59

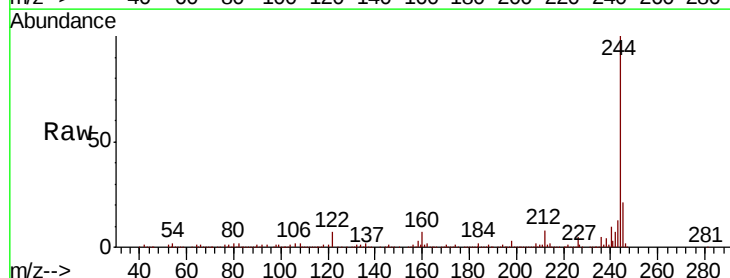
Tgt Ion:244 Resp: 934005

Ion Ratio Lower Upper

244 100

212 7.6 6.1 9.1

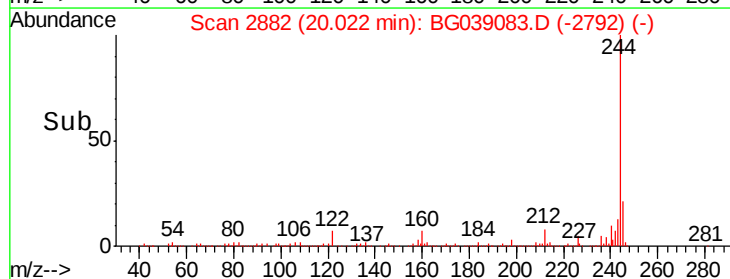
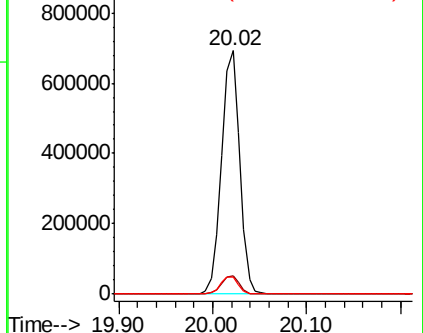
122 7.0 6.1 9.1

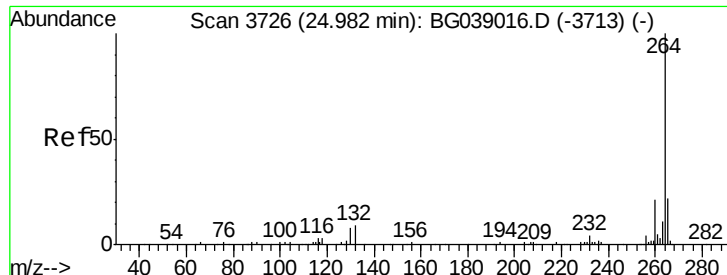


Abundance Ion 244.00 (243.70 to 244.70): E

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: 24.97 min Scan# 3724
Delta R.T. -0.01 min
Lab File: BG039083.D
Acq: 11 Jan 2019 10:59

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	20.8	17.0	25.6
265	21.9	17.2	25.8

