

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG031219\
 Data File : BG039883.D
 Acq On : 12 Mar 2019 20:52
 Operator : JU/SJ
 Sample : K1842-04
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 C-MW-10_030719

Quant Time: Mar 13 05:50:04 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG030419.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Mar 13 05:34:05 2019
 Response via : Initial Calibration

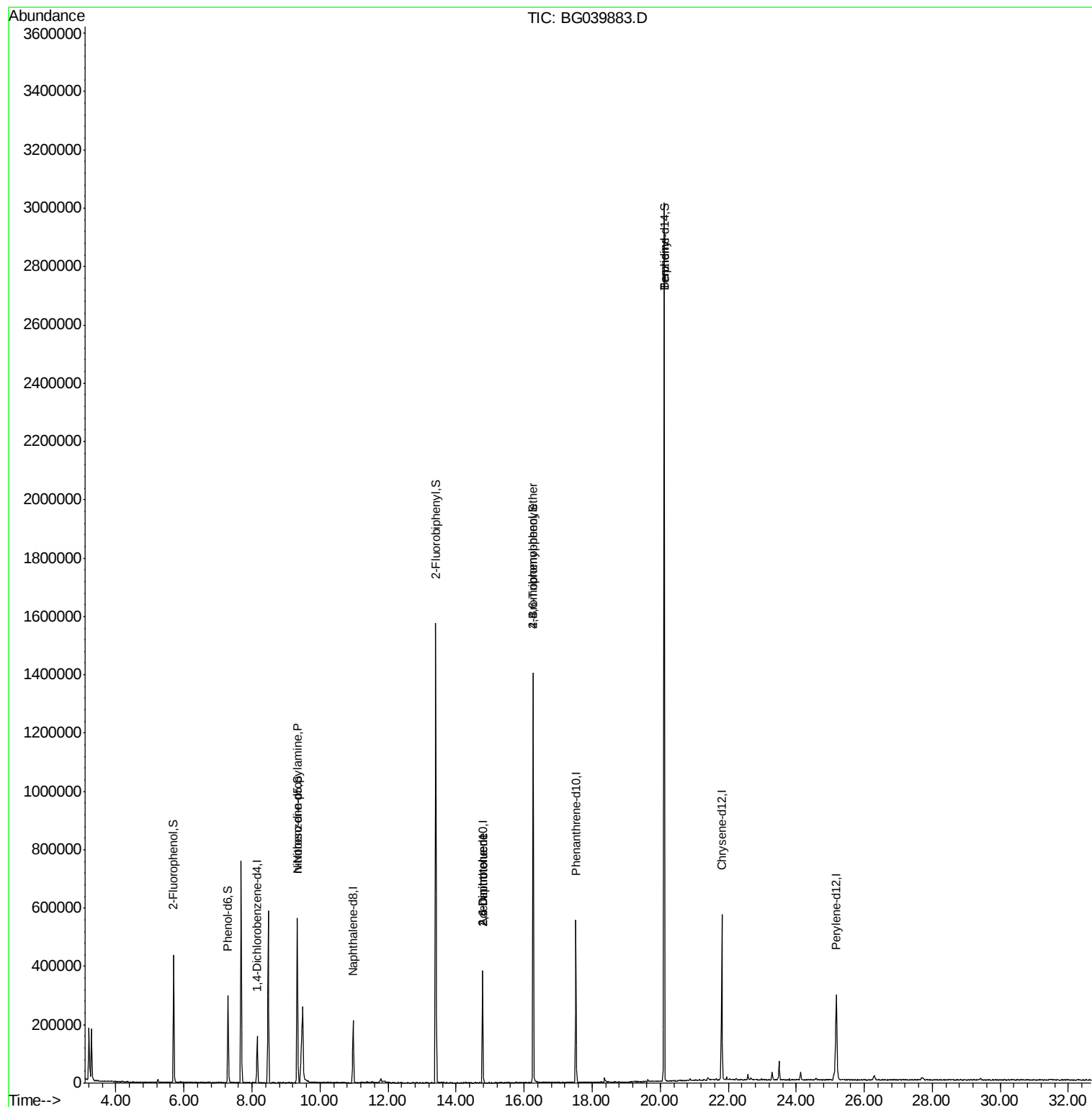
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.15	152	44014	20.00	ng	0.00
21) Naphthalene-d8	10.97	136	182155	20.00	ng	0.00
39) Acenaphthene-d10	14.78	164	130082	20.00	ng	0.00
64) Phenanthrene-d10	17.52	188	329497	20.00	ng	0.00
76) Chrysene-d12	21.81	240	344014	20.00	ng	0.00
87) Perylene-d12	25.18	264	339656	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.70	112	181192	70.23	ng	0.00
7) Phenol-d6	7.29	99	169181	43.98	ng	0.00
23) Nitrobenzene-d5	9.33	82	333810	99.11	ng	0.00
42) 2,4,6-Tribromophenol	16.26	330	231137	152.44	ng	0.00
45) 2-Fluorobiphenyl	13.40	172	813766	89.07	ng	0.00
79) Terphenyl-d14	20.12	244	1368690	87.60	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.33	70	44147	15.944	ng	Qvalue # 68
51) 2,6-Dinitrotoluene	14.78	165	16407	7.115	ng	# 24
57) 2,4-Dinitrotoluene	14.78	165	16407	5.064	ng	# 19
67) 4-Bromophenyl-phenylether	16.26	248	18069	4.899	ng	# 1
77) Benzidine	20.12	184	24676	2.260	ng	# 89

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

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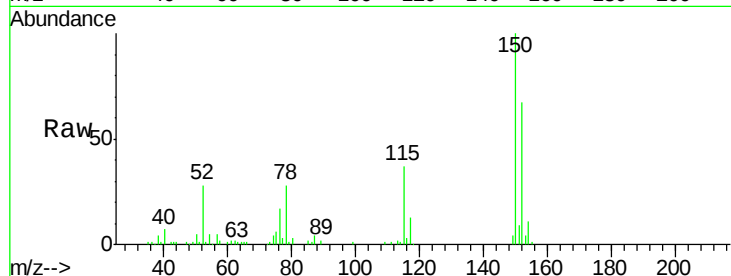


#1

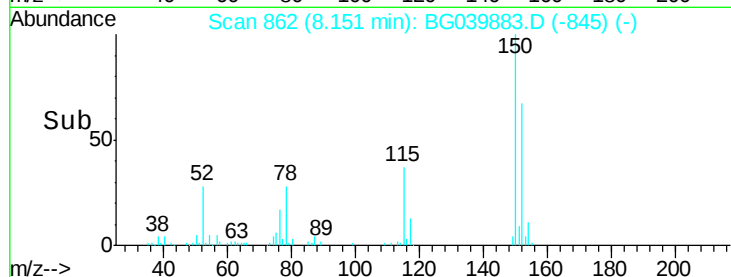
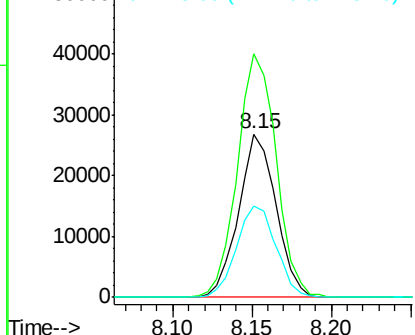
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.15 min Scan# 862
Delta R.T. -0.00 min
Lab File: BG039883.D
Acq: 12 Mar 2019 20:52

Instrument :
BNA_G
ClientSampleId :
C-MW-10_030719

Tgt Ion:152 Resp: 44014
Ion Ratio Lower Upper
152 100
150 148.8 123.7 185.5
115 55.5 45.9 68.9



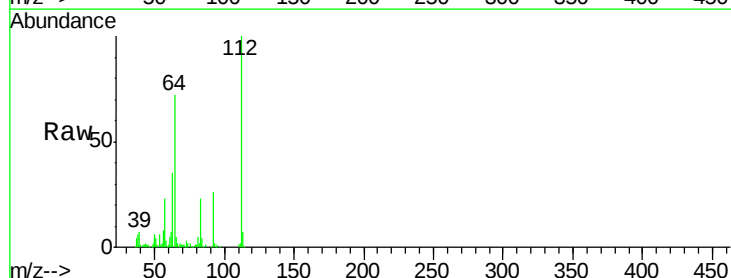
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



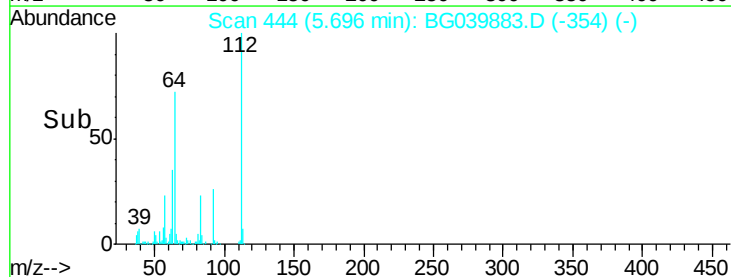
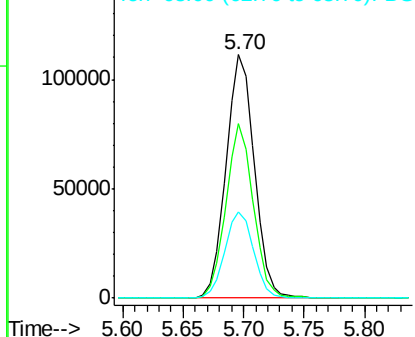
#5

2-Fluorophenol
Concen: 70.231 ng
RT: 5.70 min Scan# 444
Delta R.T. -0.00 min
Lab File: BG039883.D
Acq: 12 Mar 2019 20:52

Tgt Ion:112 Resp: 181192
Ion Ratio Lower Upper
112 100
64 71.5 57.8 86.8
63 35.5 29.8 44.6



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





#7

Phenol-d6

Concen: 43.979 ng

RT: 7.29 min Scan# 716

Delta R.T. -0.00 min

Lab File: BG039883.D

Acq: 12 Mar 2019 20:52

Instrument :

BNA_G

ClientSampleId :

C-MW-10_030719

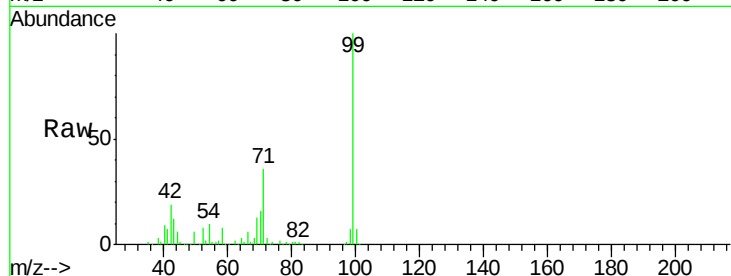
Tgt Ion: 99 Resp: 169181

Ion Ratio Lower Upper

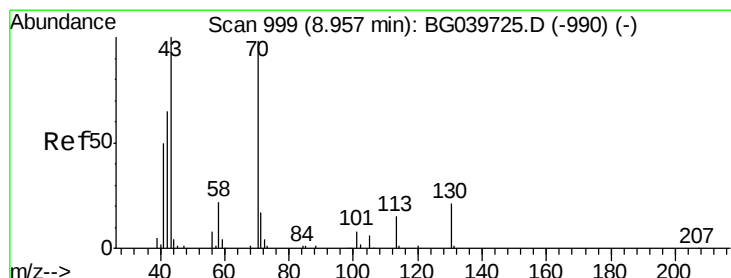
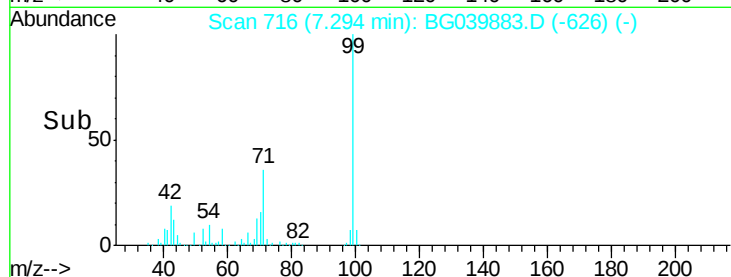
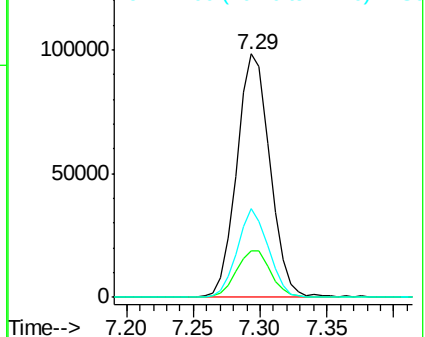
99 100

42 19.4 18.2 27.2

71 36.3 28.0 42.0



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: 15.944 ng

RT: 9.33 min Scan# 1063

Delta R.T. 0.38 min

Lab File: BG039883.D

Acq: 12 Mar 2019 20:52

Tgt Ion: 70 Resp: 44147

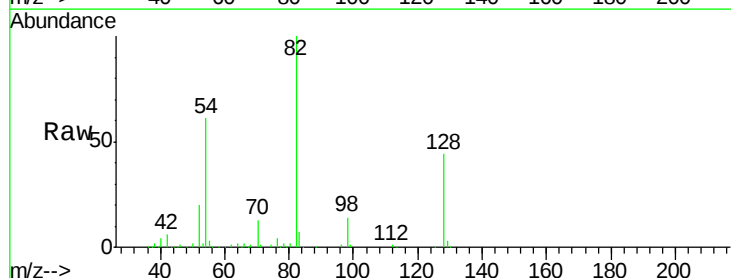
Ion Ratio Lower Upper

70 100

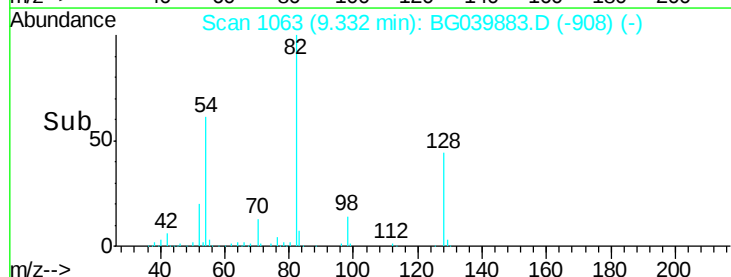
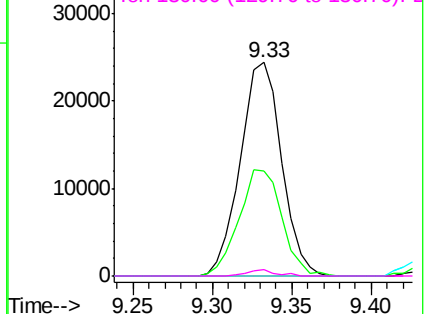
42 49.0 60.4 90.6#

101 0.0 7.5 11.3#

130 2.7 16.9 25.3#



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

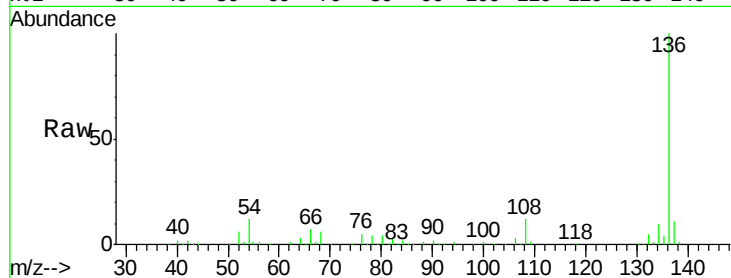




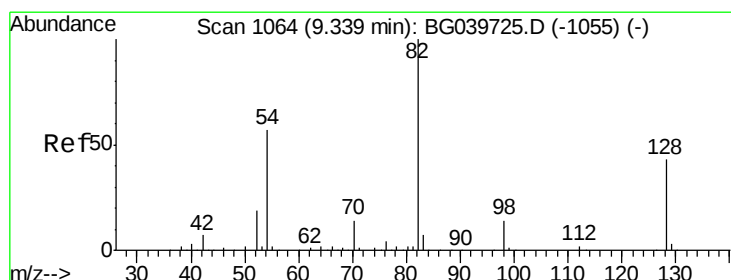
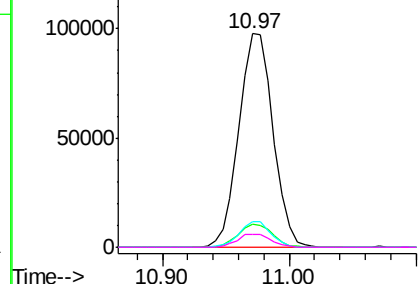
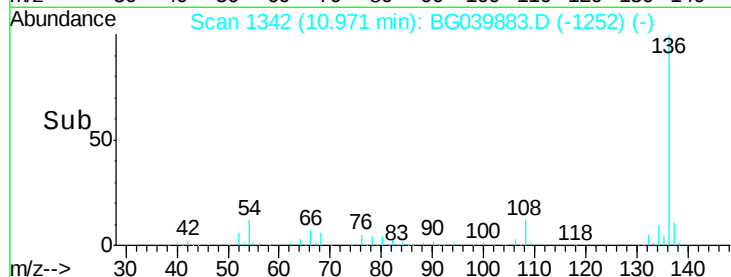
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.97 min Scan# 1342
Delta R.T. -0.00 min
Lab File: BG039883.D
Acq: 12 Mar 2019 20:52

Instrument :
BNA_G
ClientSampleId :
C-MW-10_030719

Tgt Ion:	136	Resp:	182155
Ion	Ratio	Lower	Upper
136	100		
137	11.1	9.1	13.7
54	12.1	9.4	14.2
68	6.3	4.2	6.4

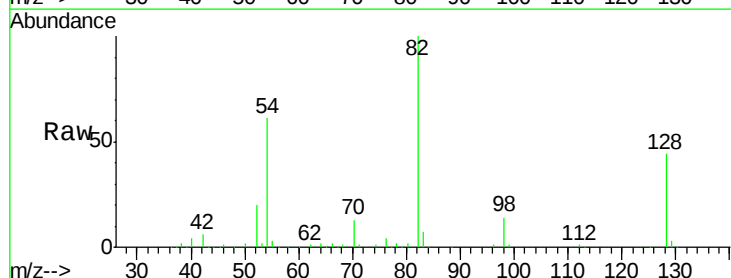


Abundance Ion 136.00 (135.70 to 136.70): BGC
Ion 137.00 (136.70 to 137.70): BGC
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

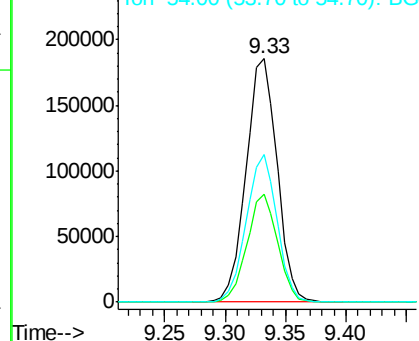
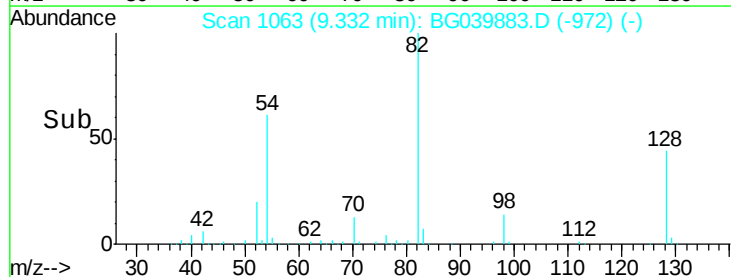


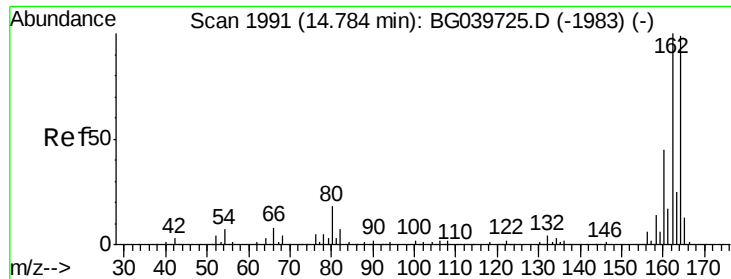
#23
Nitrobenzene-d5
Concen: 99.112 ng
RT: 9.33 min Scan# 1063
Delta R.T. 0.00 min
Lab File: BG039883.D
Acq: 12 Mar 2019 20:52

Tgt Ion:	82	Resp:	333810
Ion	Ratio	Lower	Upper
82	100		
128	44.1	31.3	46.9
54	60.7	50.9	76.3



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





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.78 min Scan# 1990

Delta R.T. -0.00 min

Lab File: BG039883.D

Acq: 12 Mar 2019 20:52

Instrument :

BNA_G

ClientSampleId :

C-MW-10_030719

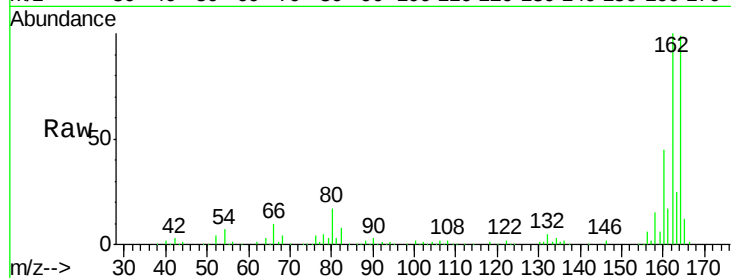
Tgt Ion:164 Resp: 130082

Ion Ratio Lower Upper

164 100

162 101.2 81.6 122.4

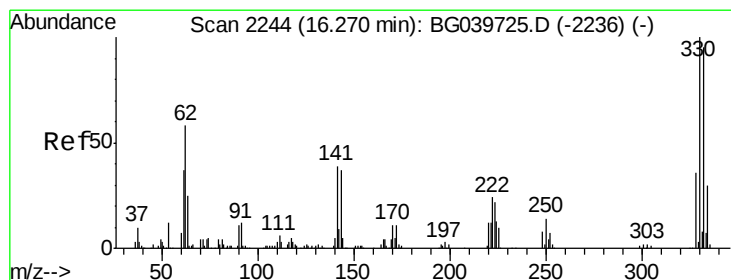
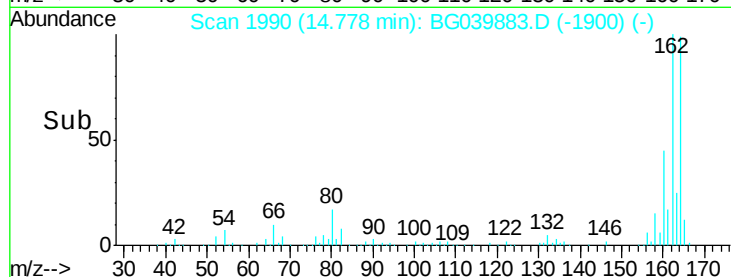
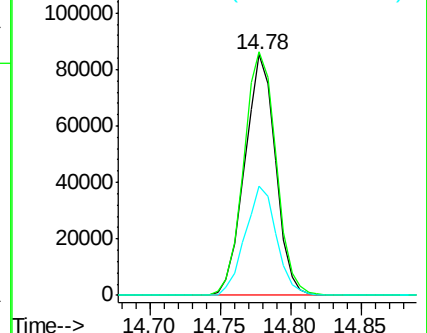
160 45.5 34.2 51.2



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: 152.445 ng

RT: 16.26 min Scan# 2243

Delta R.T. -0.00 min

Lab File: BG039883.D

Acq: 12 Mar 2019 20:52

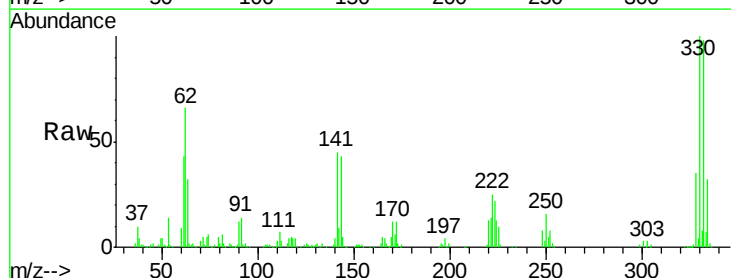
Tgt Ion:330 Resp: 231137

Ion Ratio Lower Upper

330 100

332 96.6 75.7 113.5

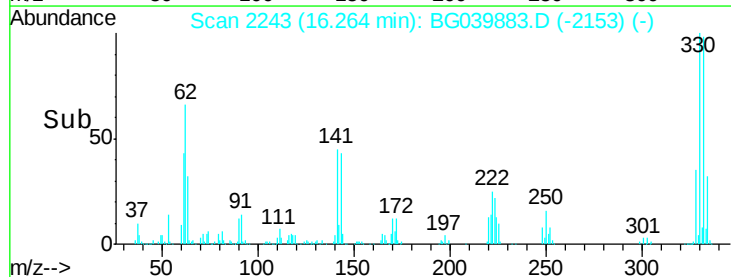
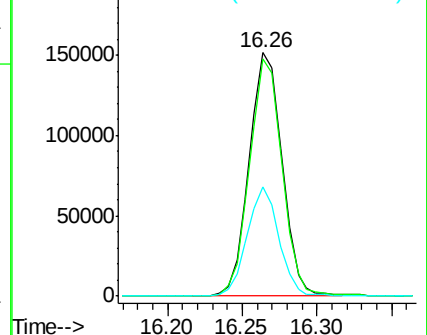
141 43.6 35.6 53.4

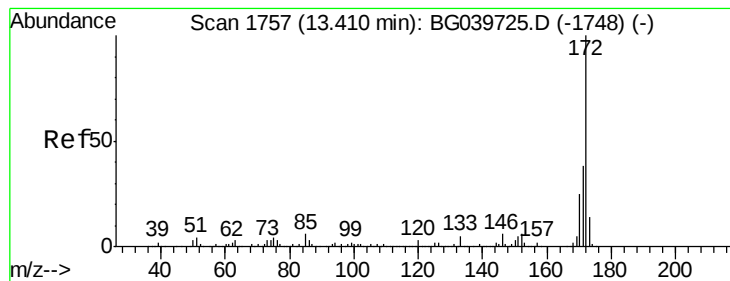


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E





#45

2-Fluorobiphenyl

Concen: 89.072 ng

RT: 13.40 min Scan# 1756

Delta R.T. 0.00 min

Lab File: BG039883.D

Acq: 12 Mar 2019 20:52

Instrument :

BNA_G

ClientSampleId :

C-MW-10_030719

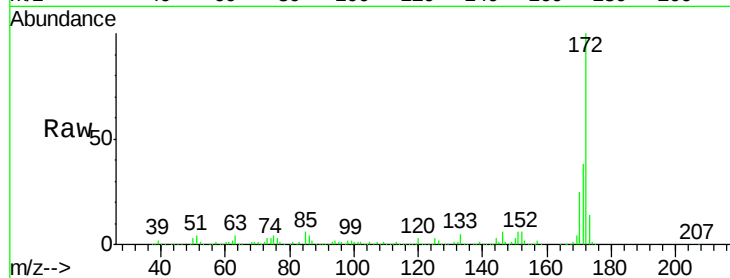
Tgt Ion:172 Resp: 813766

Ion Ratio Lower Upper

172 100

171 37.7 30.8 46.2

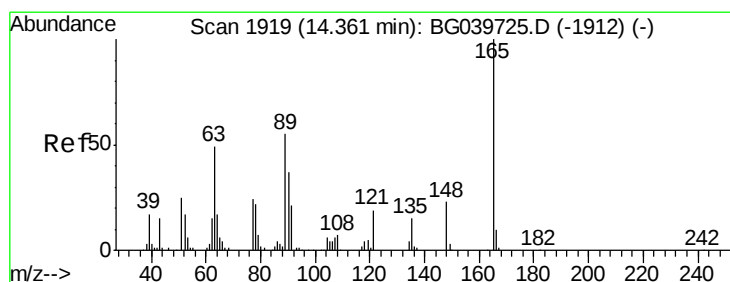
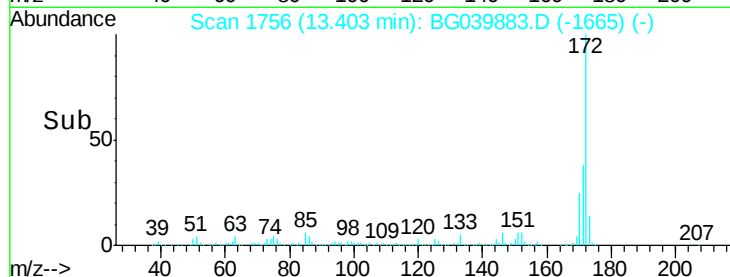
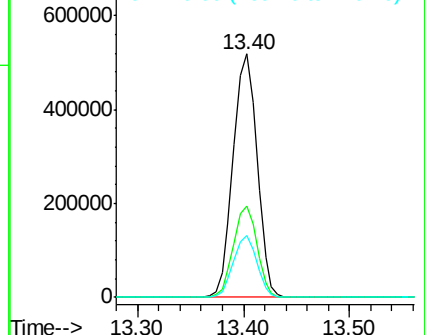
170 25.2 20.2 30.4



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: 7.115 ng

RT: 14.78 min Scan# 1990

Delta R.T. 0.42 min

Lab File: BG039883.D

Acq: 12 Mar 2019 20:52

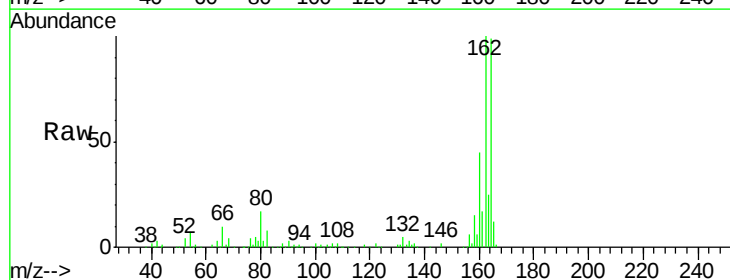
Tgt Ion:165 Resp: 16407

Ion Ratio Lower Upper

165 100

63 0.0 47.0 70.6#

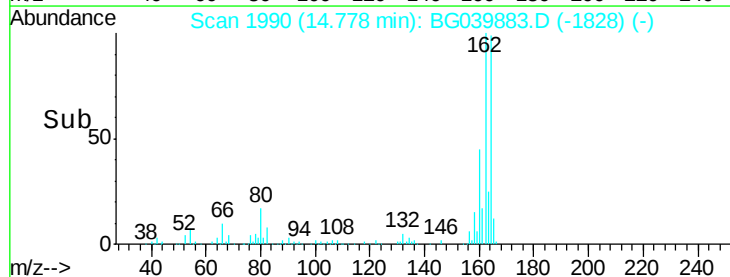
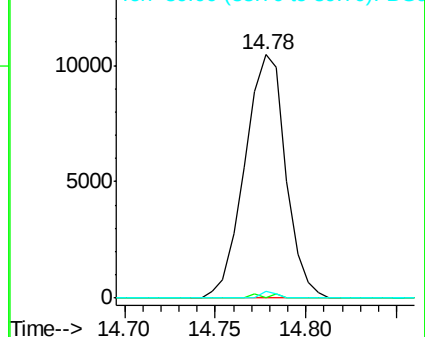
89 2.6 45.8 68.8#



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

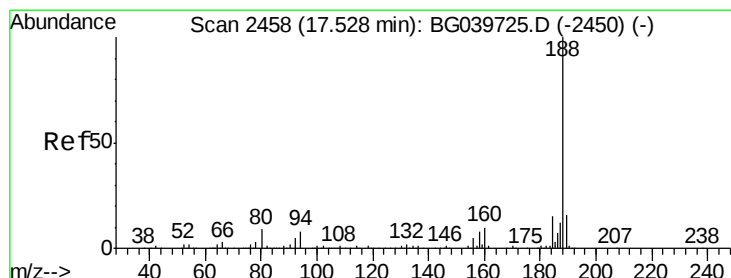
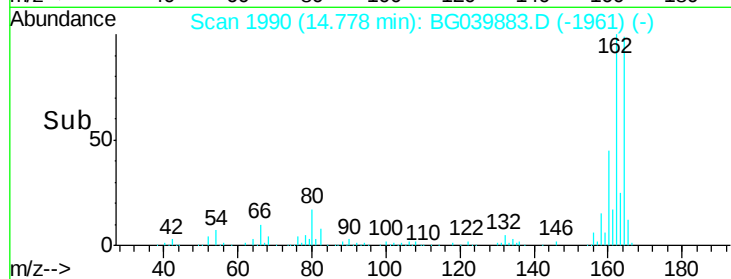
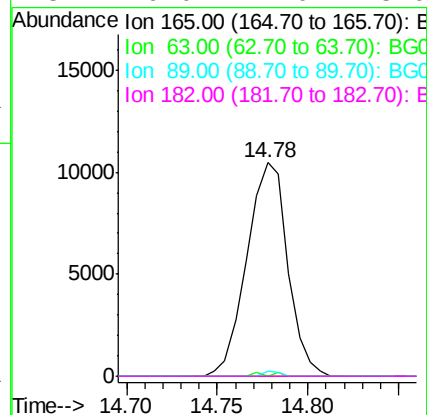
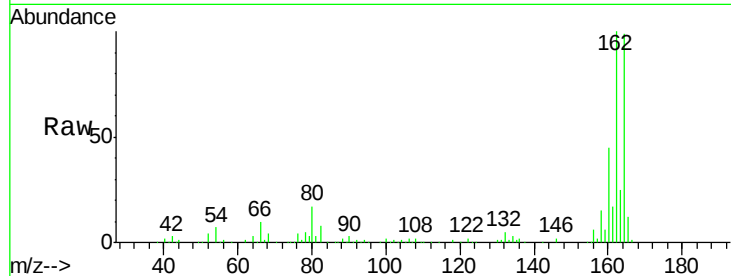




#57
 2,4-Dinitrotoluene
 Concen: 5.064 ng
 RT: 14.78 min Scan# 1990
 Delta R.T. -0.36 min
 Lab File: BG039883.D
 Acq: 12 Mar 2019 20:52

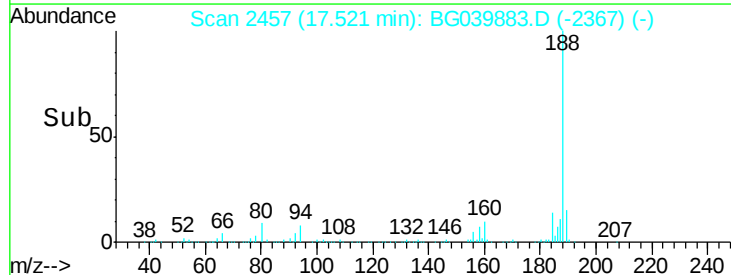
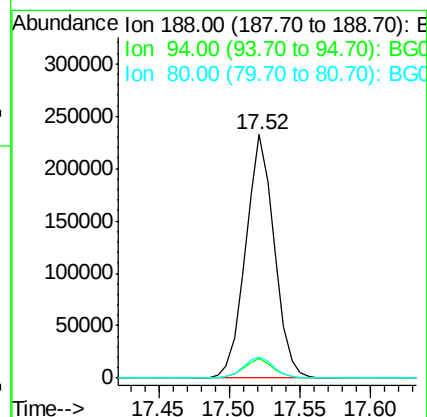
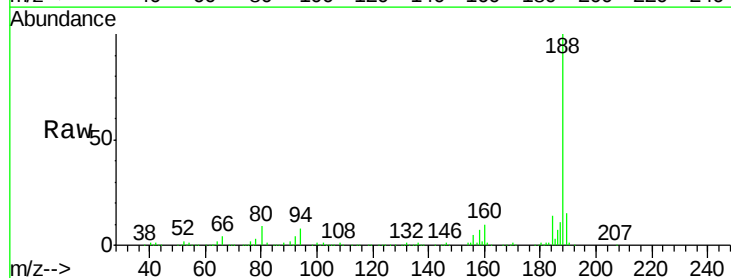
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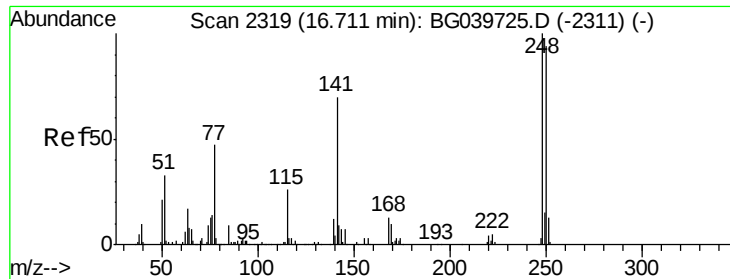
Tgt Ion:	165	Resp:	16407
Ion	Ratio	Lower	Upper
165	100		
63	0.0	41.0	61.6#
89	2.6	64.6	96.8#
182	0.0	2.0	3.0#



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.52 min Scan# 2457
 Delta R.T. -0.00 min
 Lab File: BG039883.D
 Acq: 12 Mar 2019 20:52

Tgt Ion:	188	Resp:	329497
Ion	Ratio	Lower	Upper
188	100		
94	7.9	6.9	10.3
80	8.6	8.1	12.1

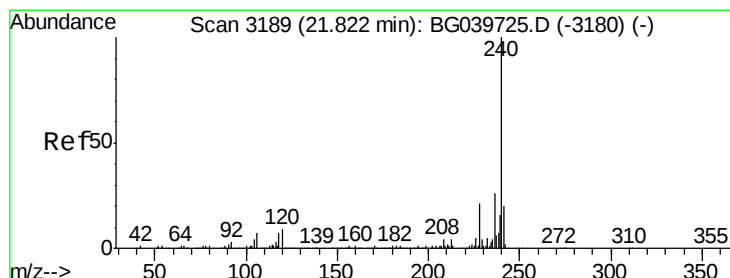
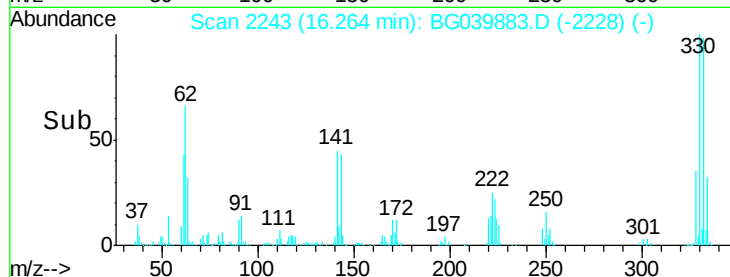
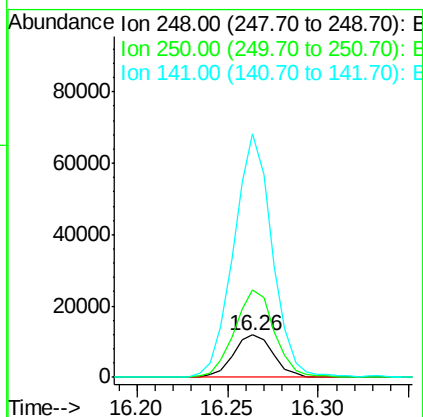
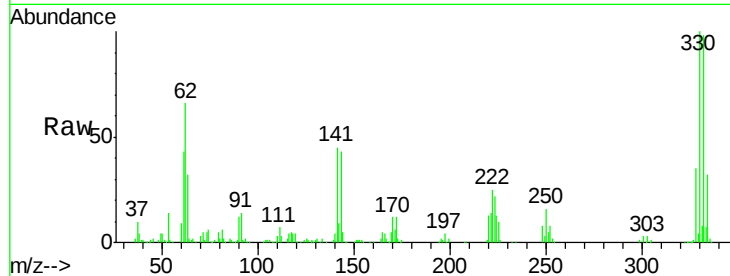




#67
 4-Bromophenyl-phenylether
 Concen: 4.899 ng
 RT: 16.26 min Scan# 2243
 Delta R.T. -0.44 min
 Lab File: BG039883.D
 Acq: 12 Mar 2019 20:52

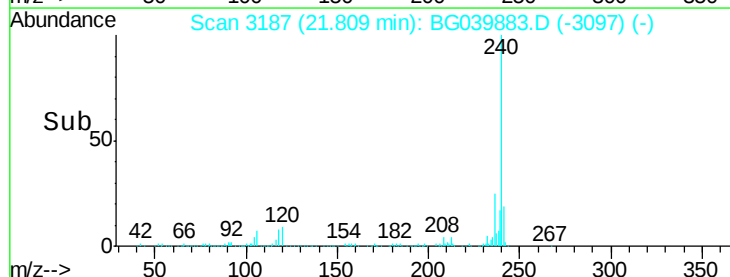
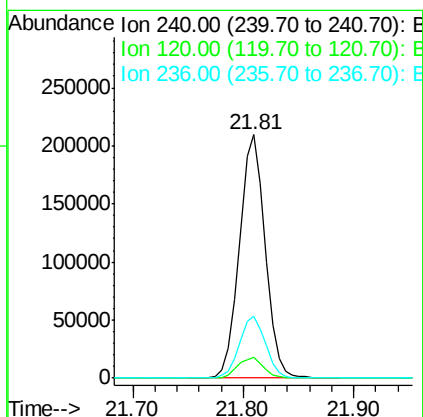
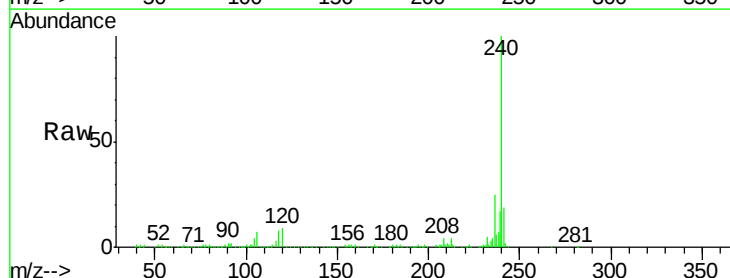
Instrument :
 BNA_G
 ClientSampleId :
 C-MW-10_030719

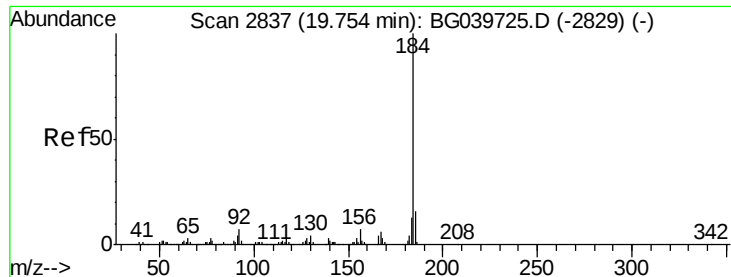
Tgt Ion:248 Resp: 18069
 Ion Ratio Lower Upper
 248 100
 250 206.9 77.6 116.4#
 141 577.0 63.9 95.9#



#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.81 min Scan# 3187
 Delta R.T. -0.00 min
 Lab File: BG039883.D
 Acq: 12 Mar 2019 20:52

Tgt Ion:240 Resp: 344014
 Ion Ratio Lower Upper
 240 100
 120 8.7 7.0 10.6
 236 25.2 21.0 31.4





#77

Benzidine

Concen: 2.260 ng

RT: 20.12 min Scan# 2899

Delta R.T. 0.37 min

Lab File: BG039883.D

Acq: 12 Mar 2019 20:52

Instrument :

BNA_G

ClientSampleId :

C-MW-10_030719

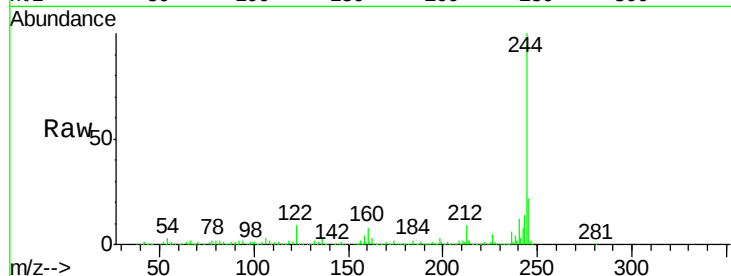
Tgt Ion:184 Resp: 24676

Ion Ratio Lower Upper

184 100

185 18.3 12.2 18.2#

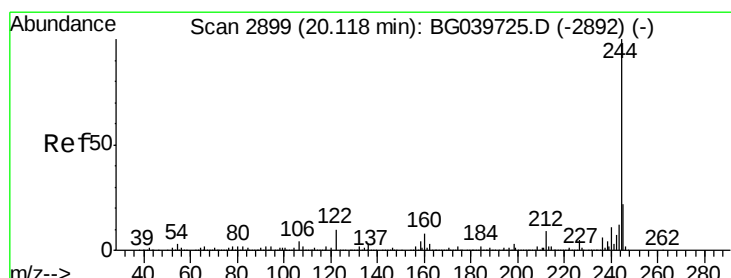
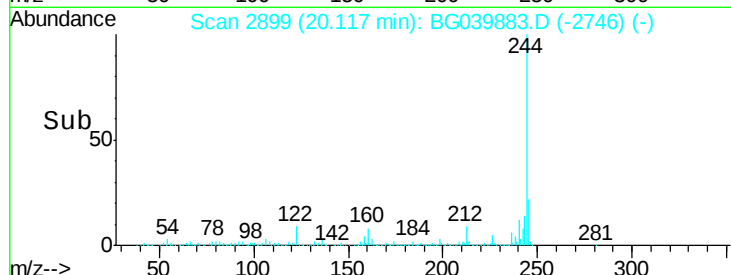
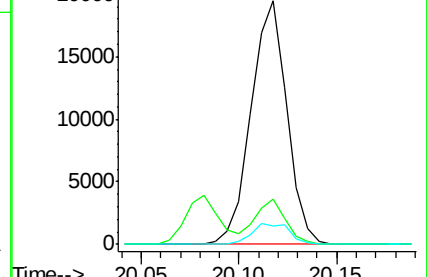
183 7.6 10.6 15.8#



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: 87.601 ng

RT: 20.12 min Scan# 2899

Delta R.T. 0.00 min

Lab File: BG039883.D

Acq: 12 Mar 2019 20:52

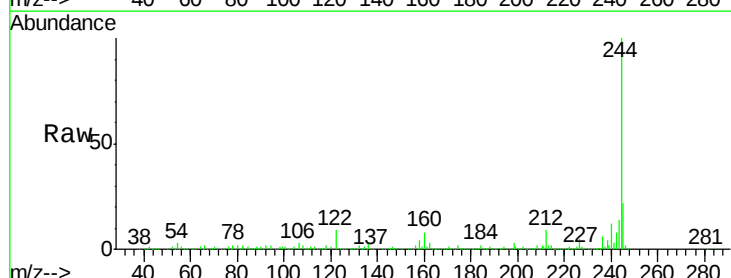
Tgt Ion:244 Resp: 1368690

Ion Ratio Lower Upper

244 100

212 9.4 7.3 10.9

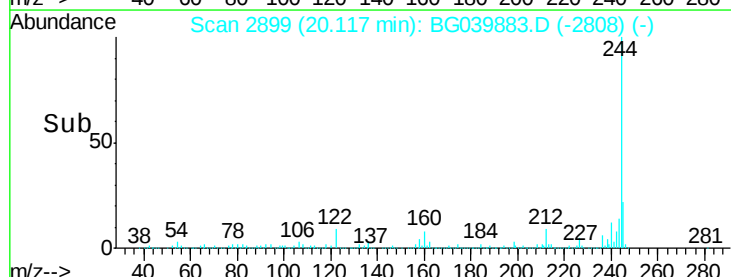
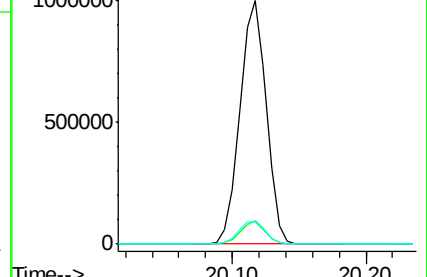
122 9.2 8.4 12.6

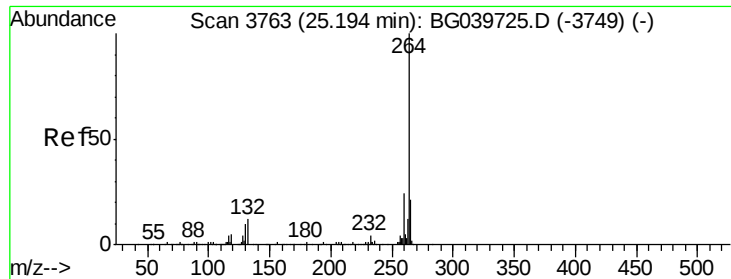


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

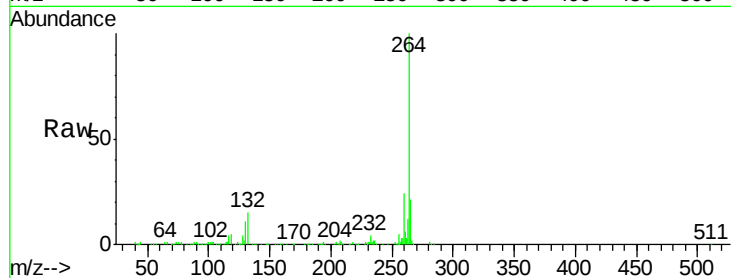




#87
Perylene-d12
Concen: 20.000 ng
RT: 25.18 min Scan# 3760
Delta R.T. -0.01 min
Lab File: BG039883.D
Acq: 12 Mar 2019 20:52

Instrument :
BNA_G
ClientSampleId :
C-MW-10_030719

Tgt Ion:	264	Resp:	339656
Ion	Ratio	Lower	Upper
264	100		
260	24.2	18.2	27.4
265	21.2	18.5	27.7



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

