

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG031419\
 Data File : BG039934.D
 Acq On : 14 Mar 2019 21:00
 Operator : JU/SJ
 Sample : K1899-04
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 MW-5A

Quant Time: Mar 15 08:11:07 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG030419.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Mar 04 14:38:15 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.15	152	48090	20.00	ng	-0.02
21) Naphthalene-d8	10.97	136	205956	20.00	ng	-0.02
39) Acenaphthene-d10	14.77	164	138446	20.00	ng	-0.02
64) Phenanthrene-d10	17.52	188	320892	20.00	ng	-0.02
76) Chrysene-d12	21.80	240	328527	20.00	ng	-0.02
87) Perylene-d12	25.17	264	344394	20.00	ng	-0.03

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.69	112	216182	76.69	ng	-0.02
7) Phenol-d6	7.29	99	203840	48.50	ng	-0.02
23) Nitrobenzene-d5	9.33	82	390587	102.57	ng	-0.02
42) 2,4,6-Tribromophenol	16.26	330	242614	150.35	ng	-0.01
45) 2-Fluorobiphenyl	13.40	172	885500	91.07	ng	-0.02
79) Terphenyl-d14	20.11	244	1325712	88.85	ng	-0.01

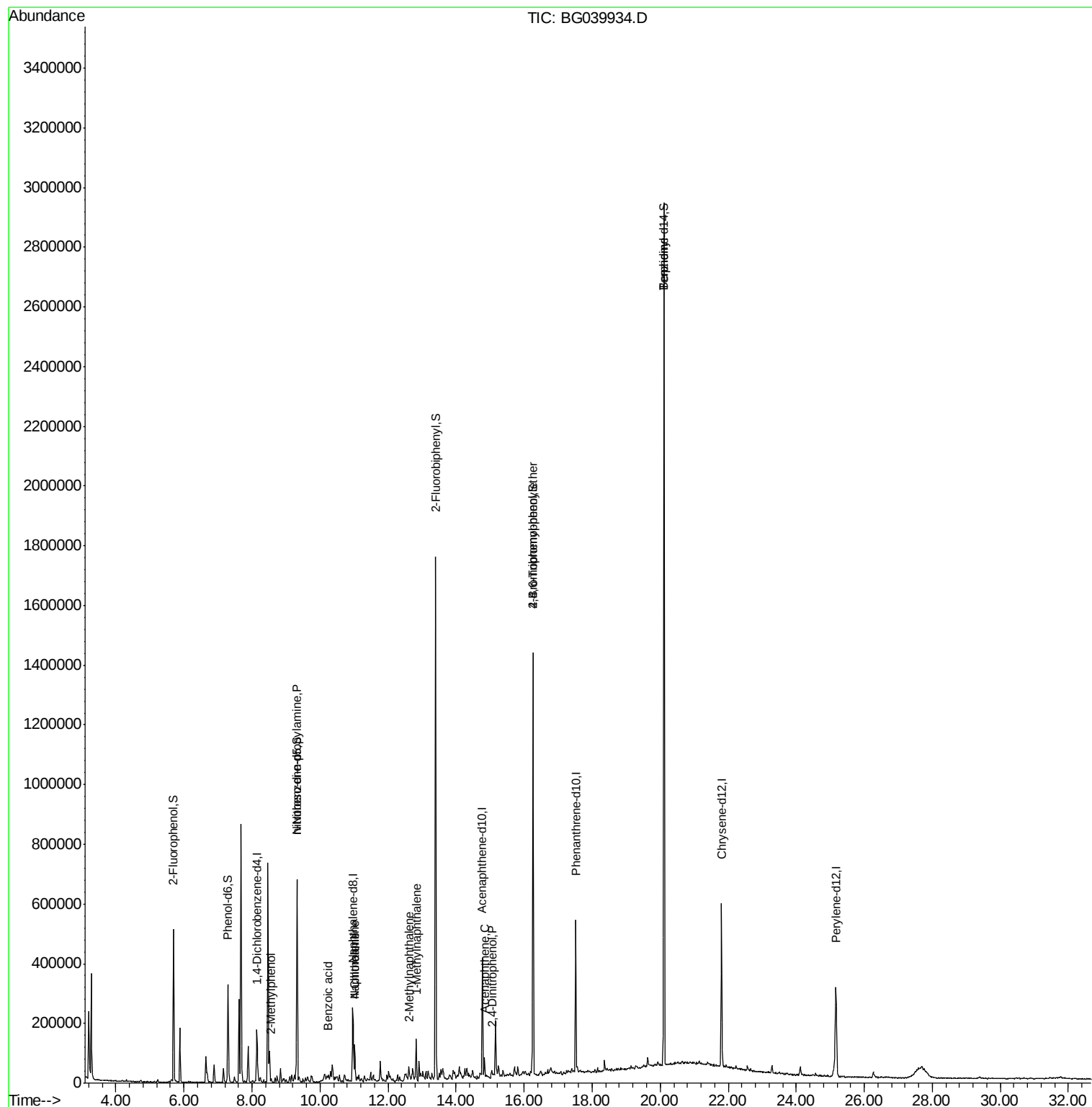
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
17) 2-Methylphenol	8.57	107	7409	2.552	ng	# 28
19) n-Nitroso-di-n-propylamine	9.33	70	51730	17.099	ng	# 69
31) Naphthalene	11.02	128	97893	8.977	ng	# 99
32) Benzoic acid	10.25	122	594	6.847	ng	# 69
33) 4-Chloroaniline	11.02	127	12908	2.792	ng	# 30
37) 2-Methylnaphthalene	12.61	142	20471	2.511	ng	# 93
38) 1-Methylnaphthalene	12.83	142	60896	7.686	ng	# 96
52) Acenaphthene	14.84	154	24137	2.852	ng	# 94
54) 2,4-Dinitrophenol	15.06	184	829	5.757	ng	# 36
67) 4-Bromophenyl-phenylether	16.26	248	19377	5.395	ng	# 1
77) Benzidine	20.11	184	25156	2.413	ng	# 90

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

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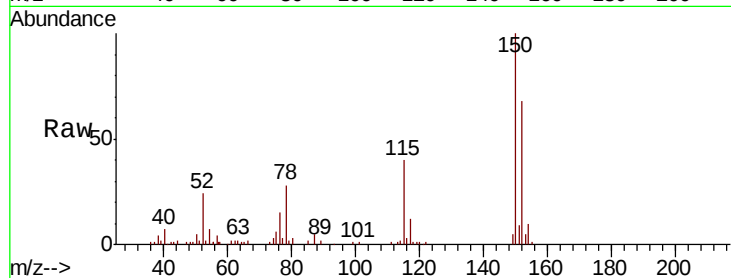


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.15 min Scan# 862
Delta R.T. -0.02 min
Lab File: BG039934.D
Acq: 14 Mar 2019 21:00

Instrument :
BNA_G
ClientSampleId :
MW-5A

Tot Ion	Ratio	Lower	Upper
152	100		
150	147.6	123.7	185.5
115	59.1	45.9	68.9

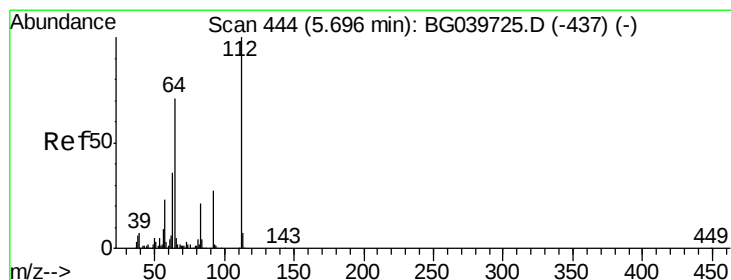
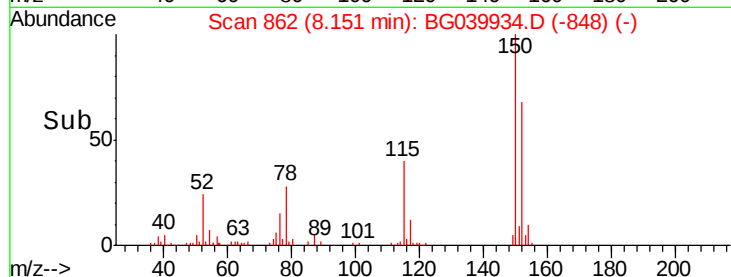
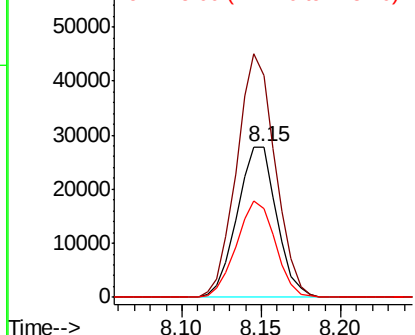


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

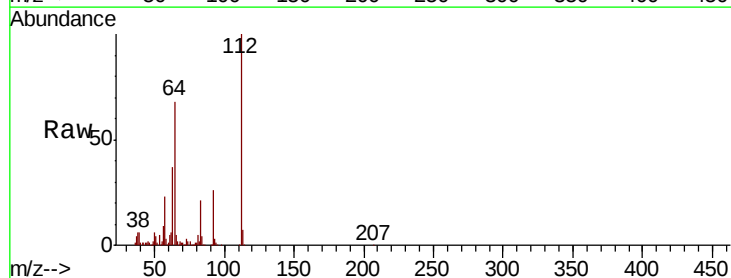
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 76.691 ng
RT: 5.69 min Scan# 443
Delta R.T. -0.02 min
Lab File: BG039934.D
Acq: 14 Mar 2019 21:00

Tgt Ion	Ratio	Lower	Upper
112	100		
64	67.5	57.8	86.8
63	36.6	29.8	44.6

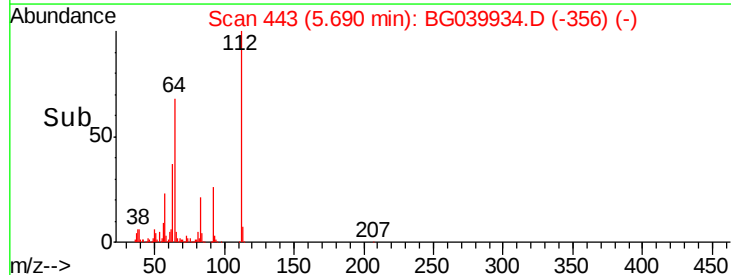
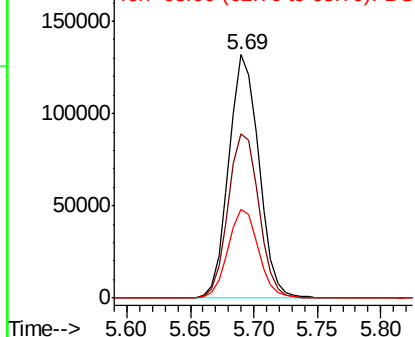


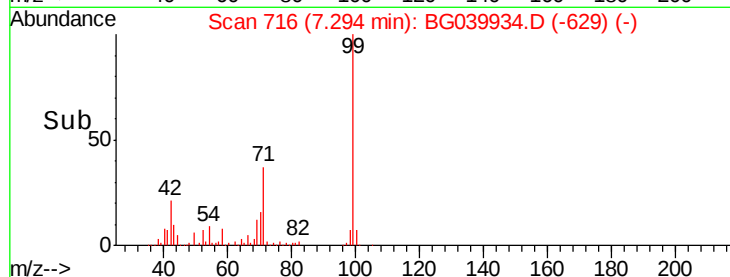
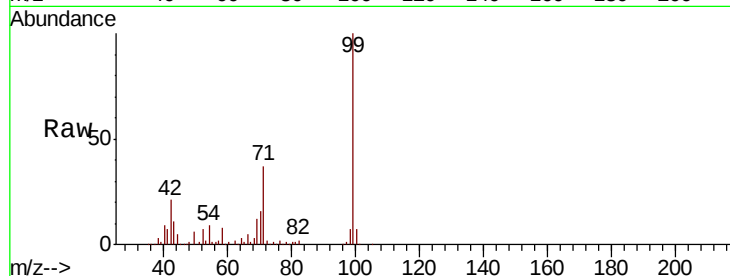
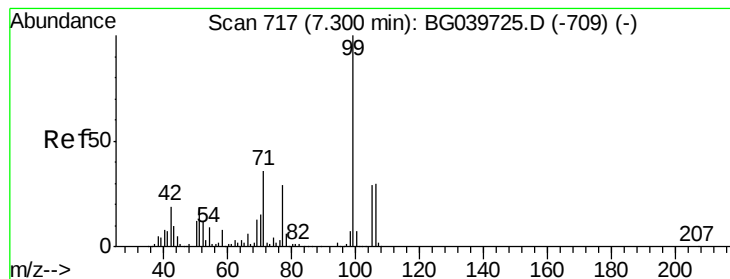
Abundance

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: 48.498 ng

RT: 7.29 min Scan# 716

Delta R.T. -0.02 min

Lab File: BG039934.D

Acq: 14 Mar 2019 21:00

Instrument :

BNA_G

ClientSampled :

MW-5A

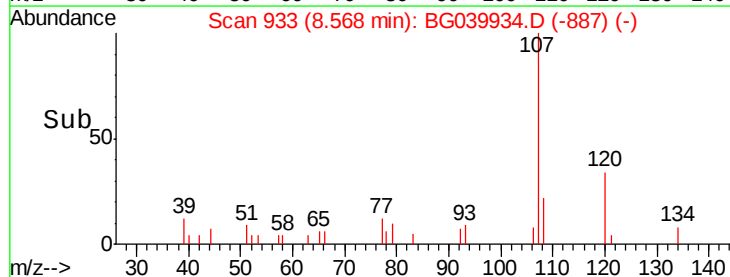
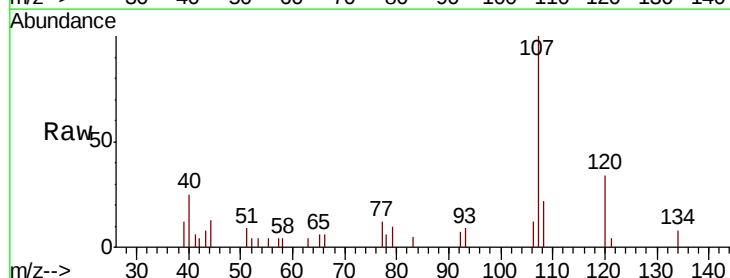
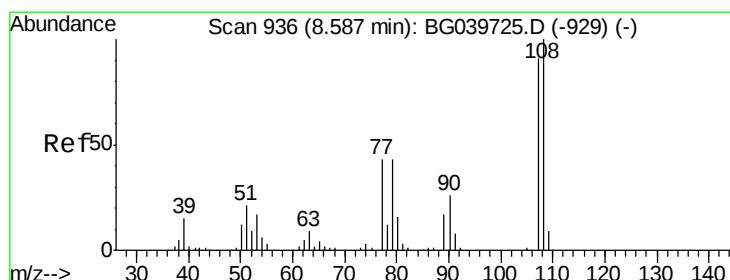
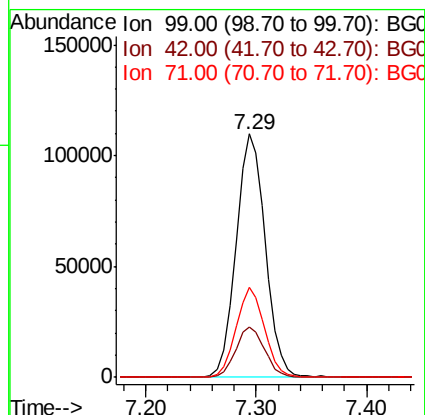
Tot Ion: 99 Resp: 203840

Ion Ratio Lower Upper

99 100

42 20.6 18.2 27.2

71 36.8 28.0 42.0



#17

2-Methylphenol

Concen: 2.552 ng

RT: 8.57 min Scan# 933

Delta R.T. -0.03 min

Lab File: BG039934.D

Acq: 14 Mar 2019 21:00

Tgt Ion: 107 Resp: 7409

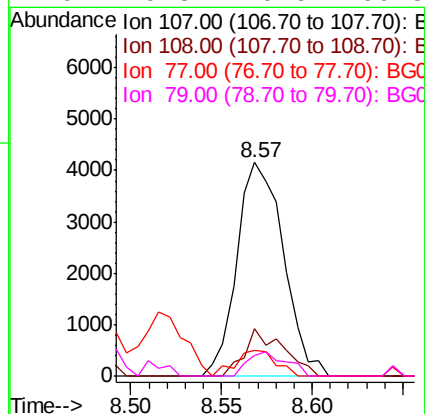
Ion Ratio Lower Upper

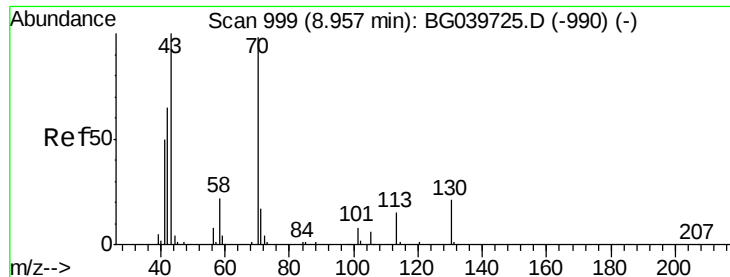
107 100

108 22.1 90.8 136.2#

77 12.0 40.7 61.1#

79 9.8 40.6 60.8#





#19

n-Nitroso-di-n-propylamine

Concen: 17.099 ng

RT: 9.33 min Scan# 1062

Delta R.T. 0.36 min

Lab File: BG039934.D

Acq: 14 Mar 2019 21:00

Instrument :

BNA_G

ClientSampleId :

MW-5A

Tot Ion: 70 Resp: 51730

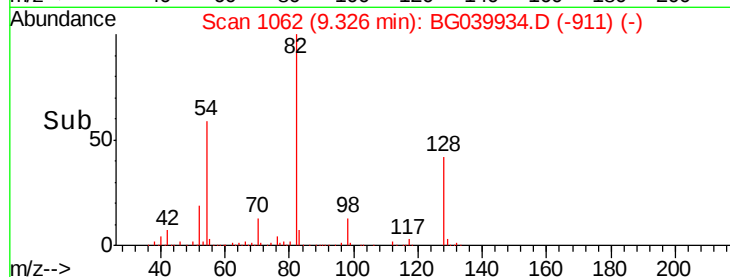
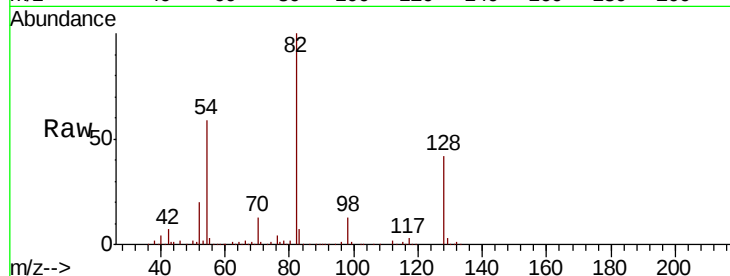
Ion Ratio Lower Upper

70 100

42 50.3 60.4 90.6#

101 0.0 7.5 11.3#

130 3.1 16.9 25.3#



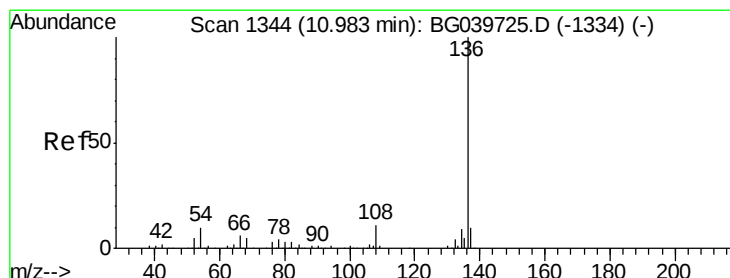
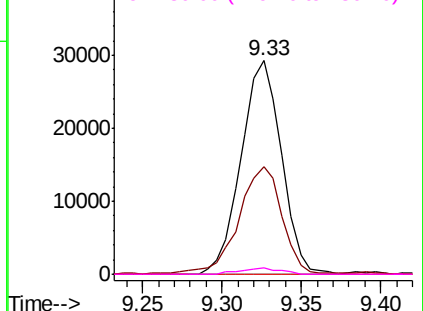
Abundance

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# 1341

Delta R.T. -0.02 min

Lab File: BG039934.D

Acq: 14 Mar 2019 21:00

Tgt Ion: 136 Resp: 205956

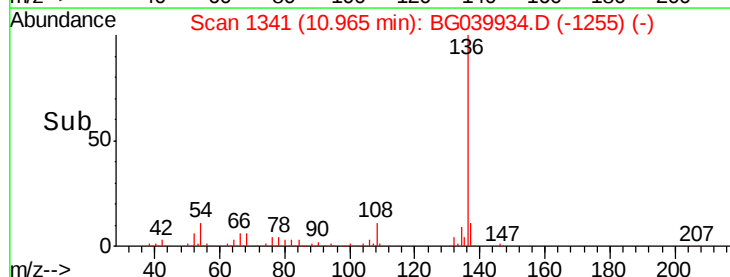
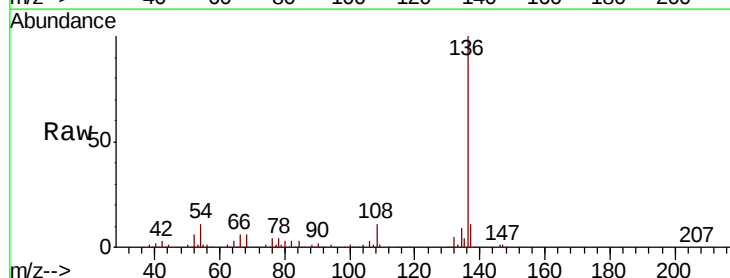
Ion Ratio Lower Upper

136 100

137 11.1 9.1 13.7

54 11.0 9.4 14.2

68 5.7 4.2 6.4



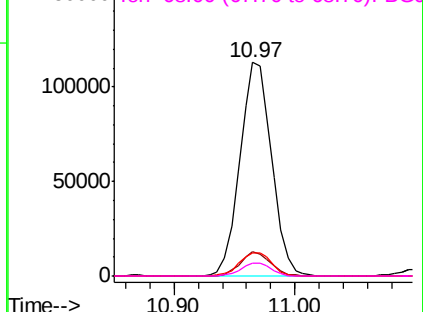
Abundance

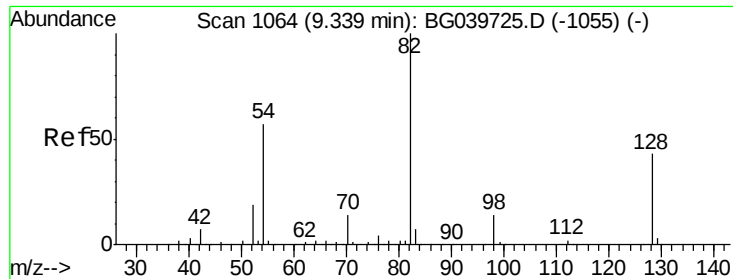
Ion 136.00 (135.70 to 136.70): BGC

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

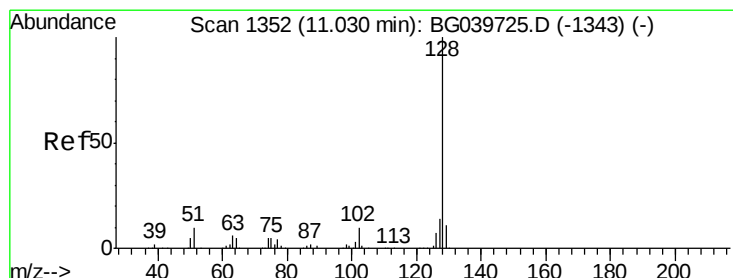
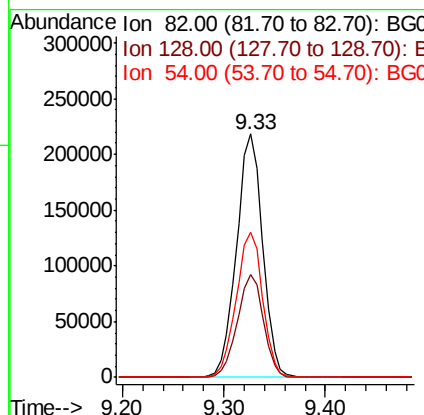
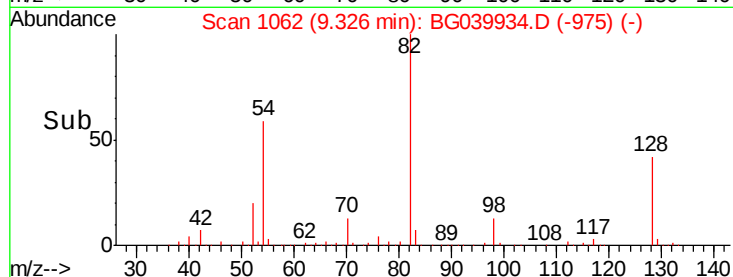
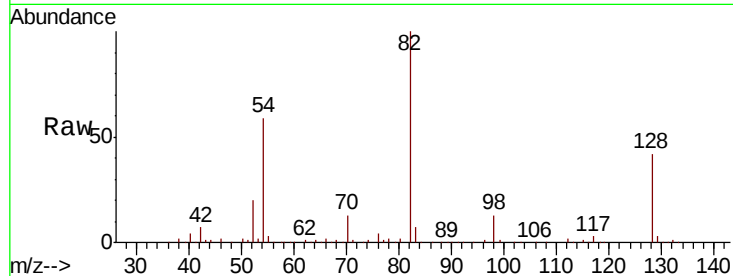




#23
 Nitrobenzene-d5
 Concen: 102.568 ng
 RT: 9.33 min Scan# 1062
 Delta R.T. -0.02 min
 Lab File: BG039934.D
 Acq: 14 Mar 2019 21:00

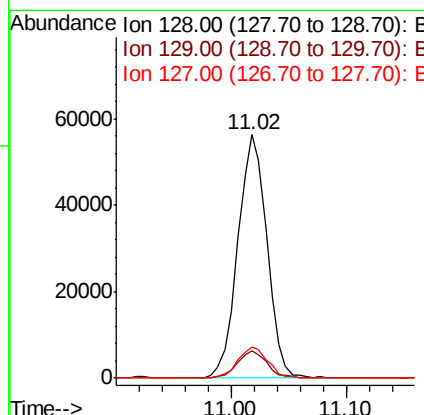
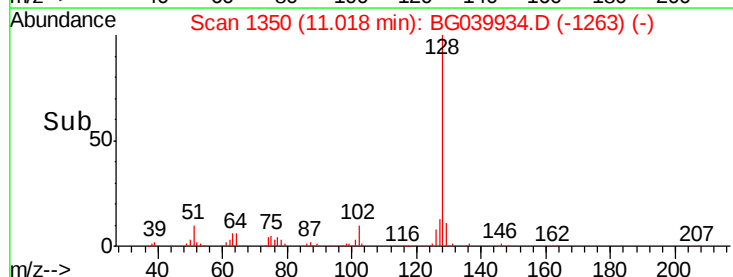
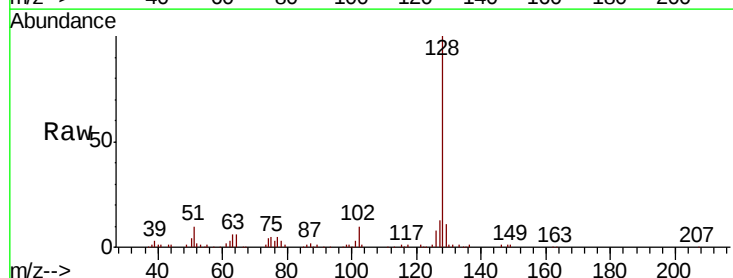
Instrument :
 BNA_G
 ClientSampled :
 MW-5A

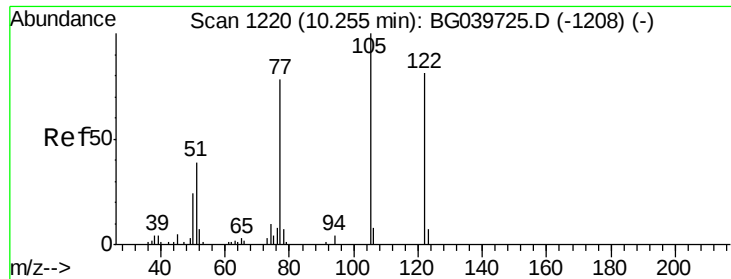
Tot Ion	82	Resp	390587
Ion Ratio	Lower	Upper	
82	100		
128	42.4	31.3	46.9
54	59.5	50.9	76.3



#31
 Naphthalene
 Concen: 8.977 ng
 RT: 11.02 min Scan# 1350
 Delta R.T. -0.02 min
 Lab File: BG039934.D
 Acq: 14 Mar 2019 21:00

Tgt Ion	128	Resp	97893
Ion Ratio	Lower	Upper	
128	100		
129	11.2	8.7	13.1
127	12.8	10.8	16.2





#32

Benzoic acid

Concen: 6.847 ng

RT: 10.25 min Scan# 1219

Delta R.T. -0.01 min

Lab File: BG039934.D

Acq: 14 Mar 2019 21:00

Instrument :

BNA_G

ClientSampled :

MW-5A

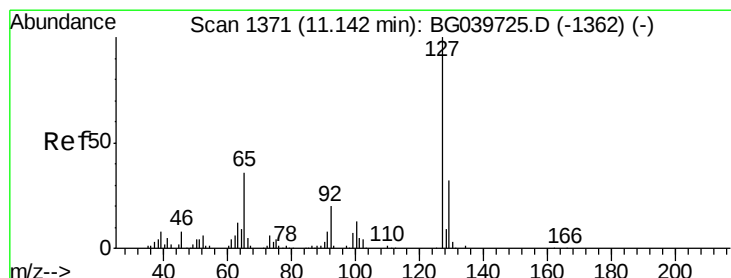
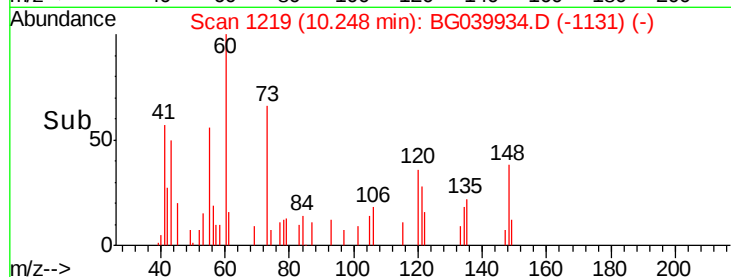
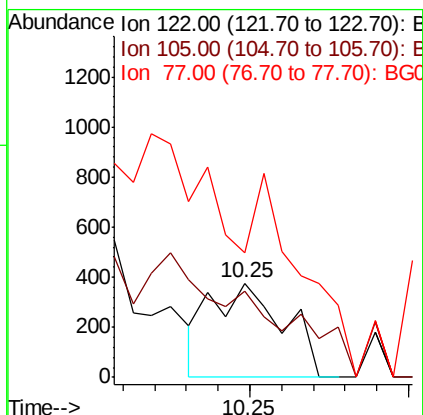
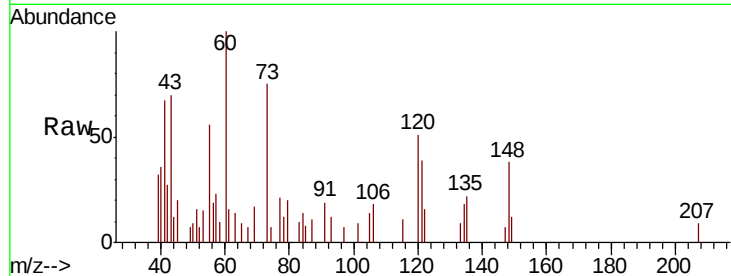
Tot Ion:122 Resp: 594

Ion Ratio Lower Upper

122 100

105 91.5 101.8 141.8#

77 132.4 76.3 116.3#



#33

4-Chloroaniline

Concen: 2.792 ng

RT: 11.02 min Scan# 1350

Delta R.T. -0.13 min

Lab File: BG039934.D

Acq: 14 Mar 2019 21:00

Tgt Ion:127 Resp: 12908

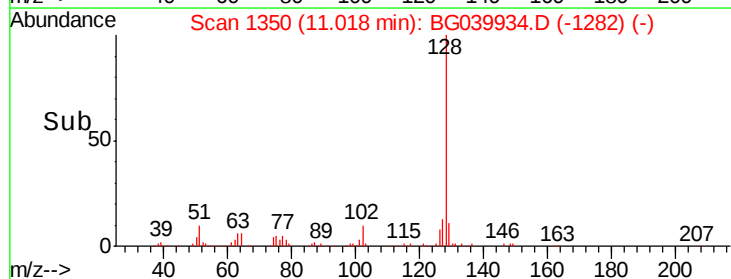
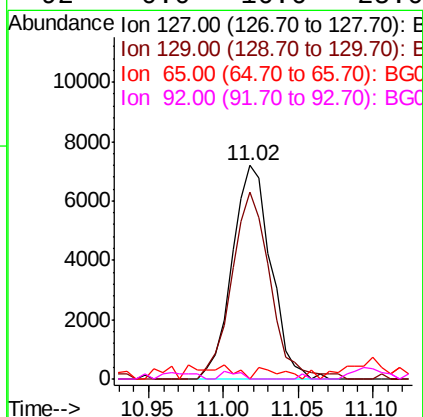
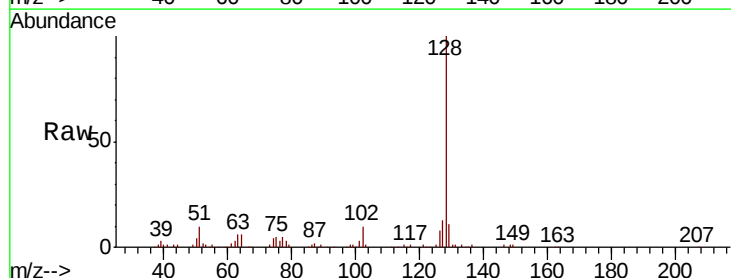
Ion Ratio Lower Upper

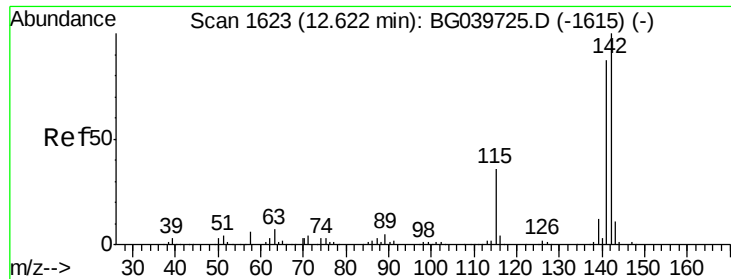
127 100

129 87.3 27.0 40.4#

65 0.0 28.8 43.2#

92 0.0 16.6 25.0#

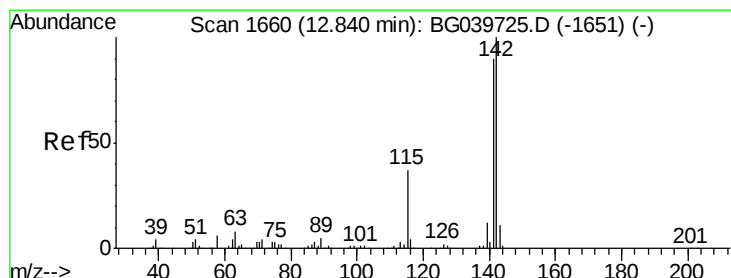
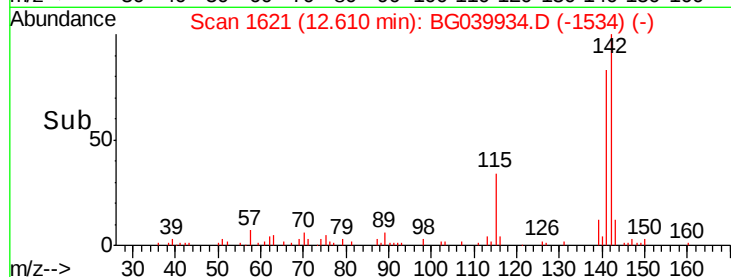
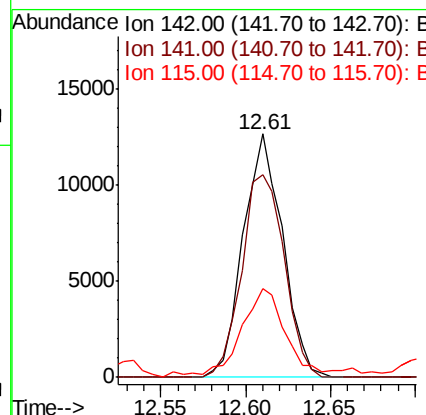
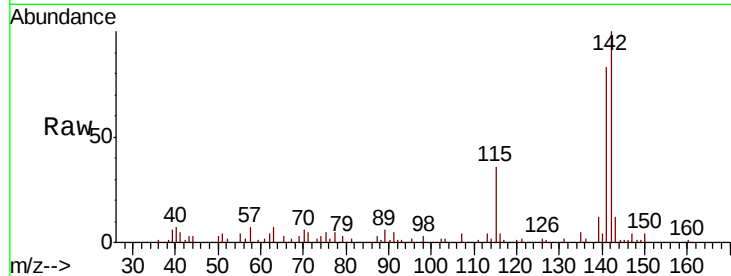




#37
2-Methylnaphthalene
Concen: 2.511 ng
RT: 12.61 min Scan# 1621
Delta R.T. -0.02 min
Lab File: BG039934.D
Acq: 14 Mar 2019 21:00

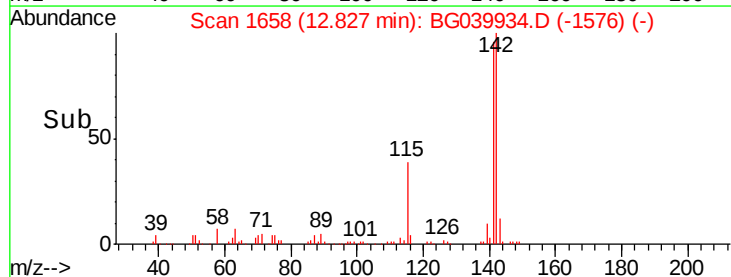
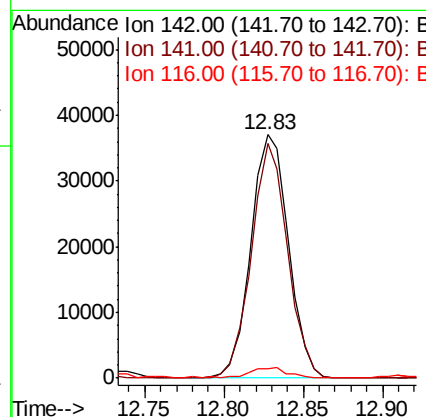
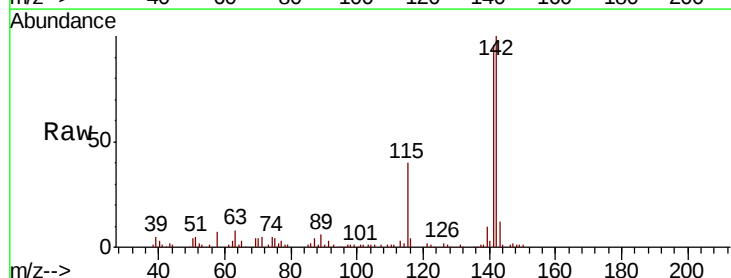
Instrument :
BNA_G
ClientSampleId :
MW-5A

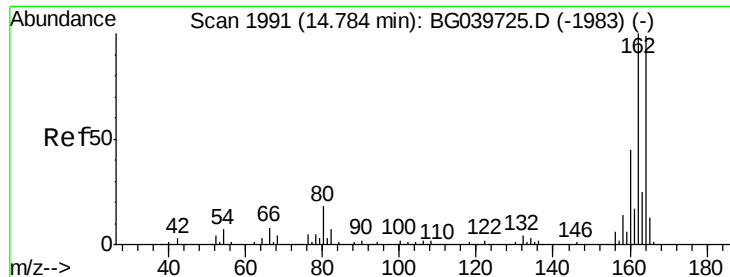
Tot Ion:142 Resp: 20471
Ion Ratio Lower Upper
142 100
141 83.5 73.5 110.3
115 36.3 30.8 46.2



#38
1-Methylnaphthalene
Concen: 7.686 ng
RT: 12.83 min Scan# 1658
Delta R.T. -0.02 min
Lab File: BG039934.D
Acq: 14 Mar 2019 21:00

Tgt Ion:142 Resp: 60896
Ion Ratio Lower Upper
142 100
141 96.3 74.2 111.4
116 4.1 3.0 4.6





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.77 min Scan# 1989

Delta R.T. -0.02 min

Lab File: BG039934.D

Acq: 14 Mar 2019 21:00

Instrument :

BNA_G

ClientSampleId :

MW-5A

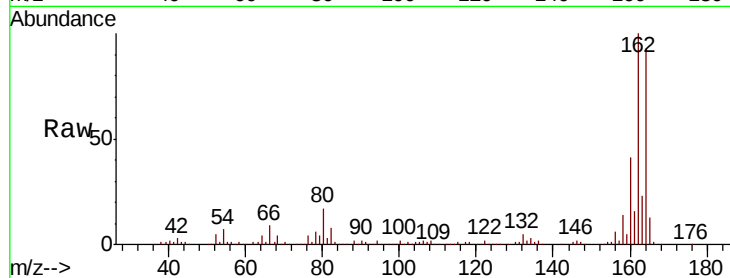
Tot Ion:164 Resp: 138446

Ion Ratio Lower Upper

164 100

162 107.2 81.6 122.4

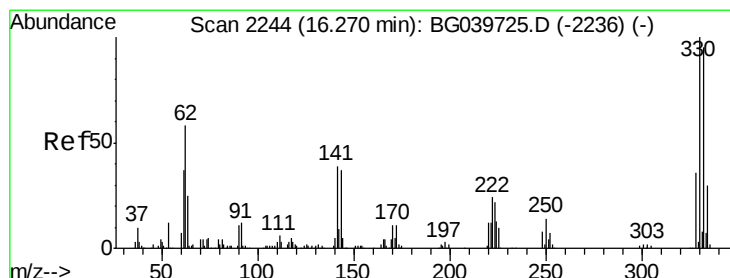
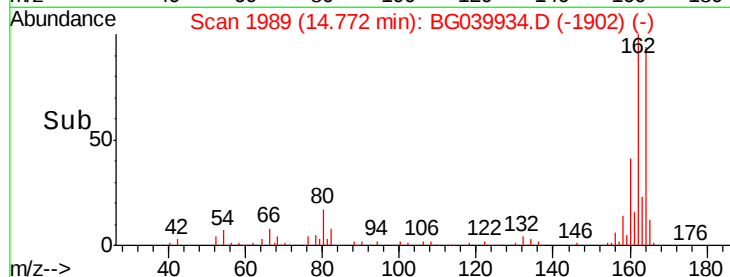
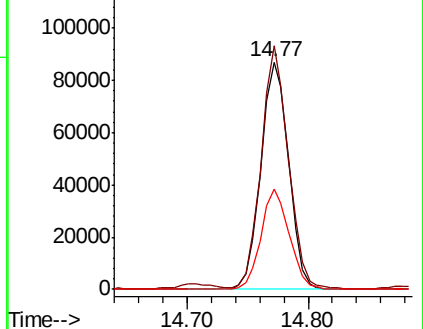
160 44.2 34.2 51.2



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: 150.347 ng

RT: 16.26 min Scan# 2243

Delta R.T. -0.01 min

Lab File: BG039934.D

Acq: 14 Mar 2019 21:00

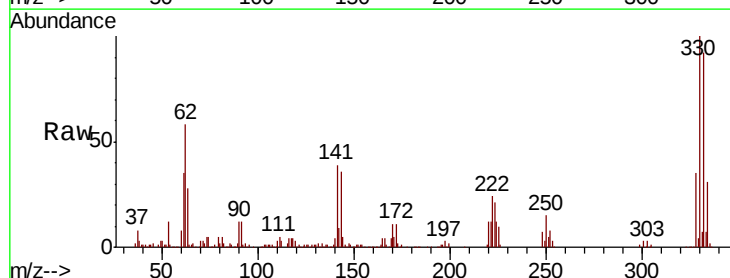
Tgt Ion:330 Resp: 242614

Ion Ratio Lower Upper

330 100

332 94.5 75.7 113.5

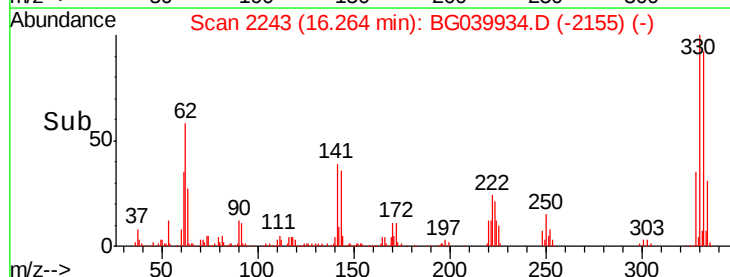
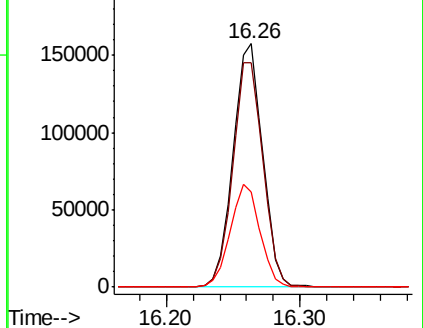
141 43.0 35.6 53.4

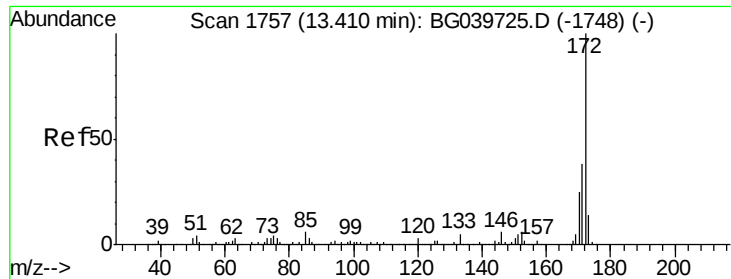


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

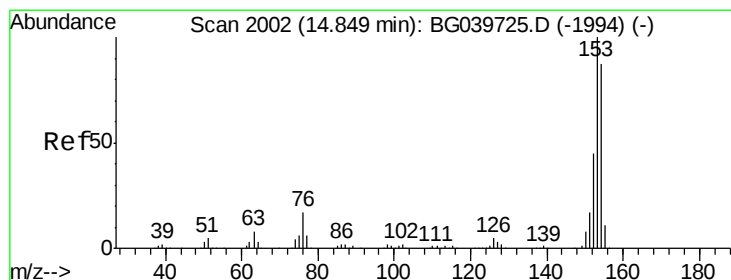
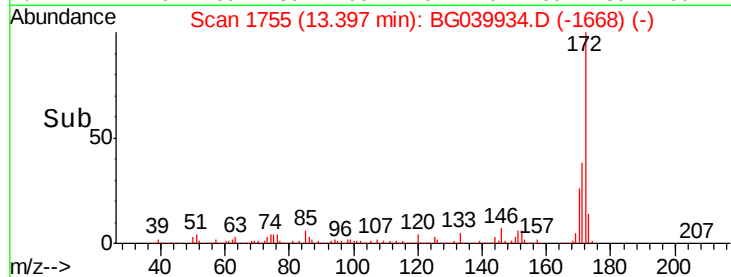
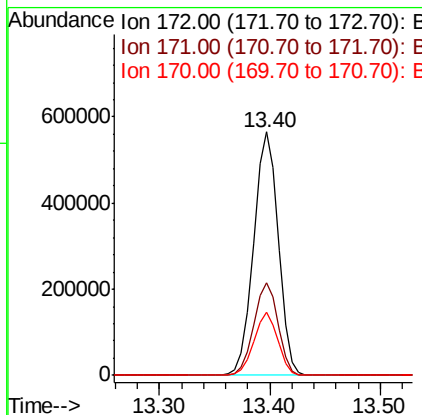
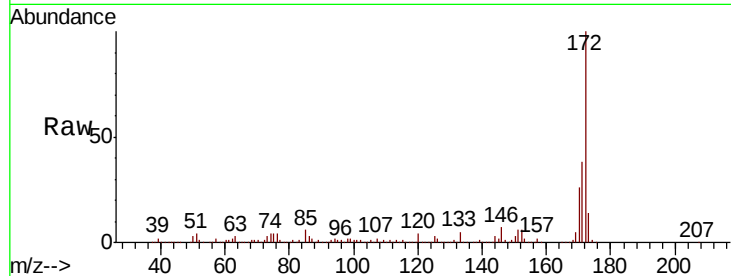




#45
2-Fluorobiphenyl
Concen: 91.068 ng
RT: 13.40 min Scan# 1755
Delta R.T. -0.02 min
Lab File: BG039934.D
Acq: 14 Mar 2019 21:00

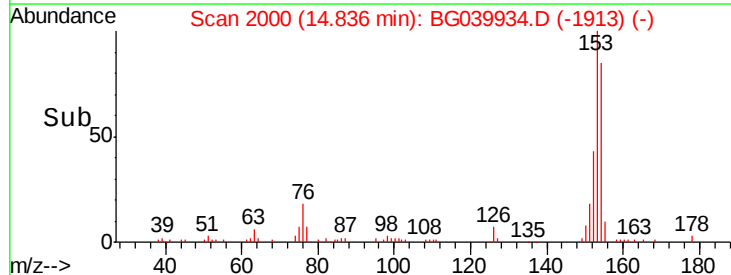
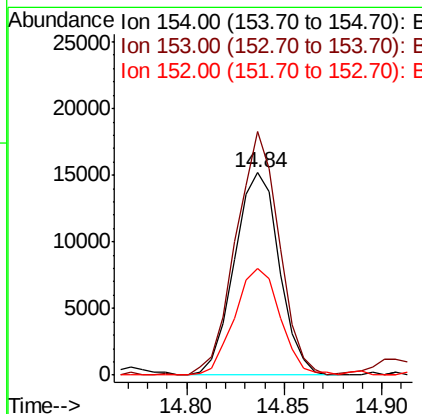
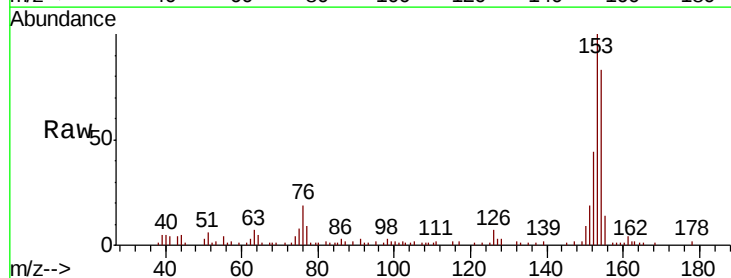
Instrument :
BNA_G
ClientSampleId :
MW-5A

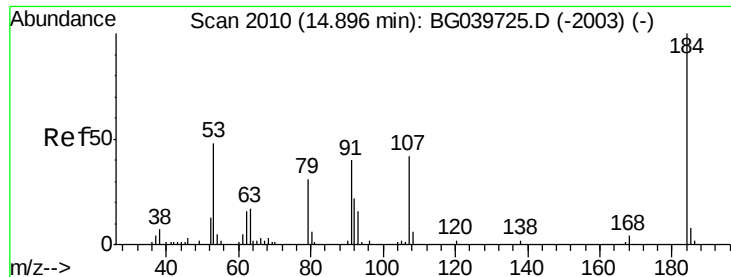
Tot Ion:172 Resp: 885500
Ion Ratio Lower Upper
172 100
171 38.2 30.8 46.2
170 26.0 20.2 30.4



#52
Acenaphthene
Concen: 2.852 ng
RT: 14.84 min Scan# 2000
Delta R.T. -0.02 min
Lab File: BG039934.D
Acq: 14 Mar 2019 21:00

Tgt Ion:154 Resp: 24137
Ion Ratio Lower Upper
154 100
153 120.3 90.1 135.1
152 52.6 40.9 61.3

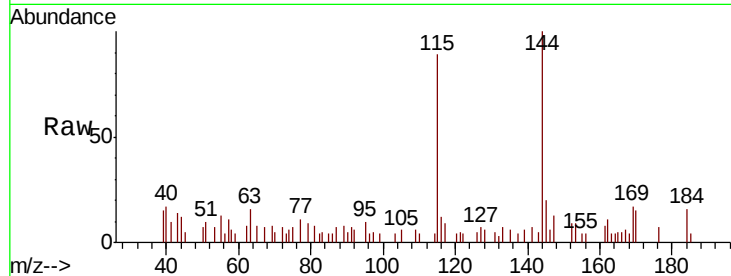




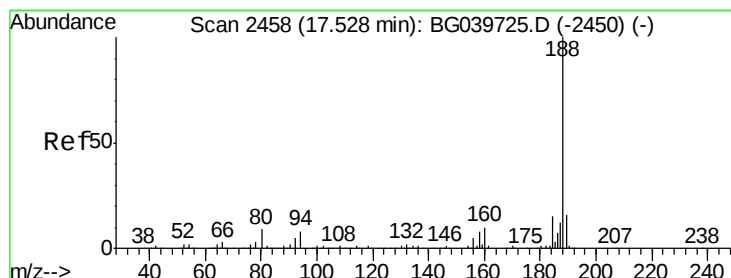
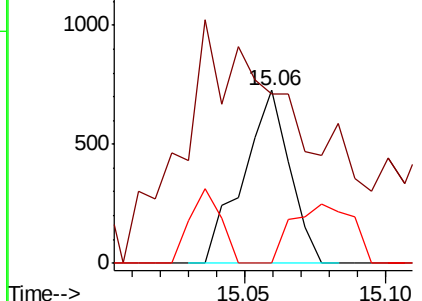
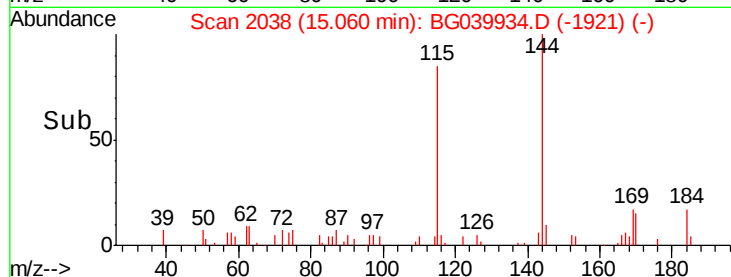
#54
 2,4-Dinitrophenol
 Concen: 5.757 ng
 RT: 15.06 min Scan# 2038
 Delta R.T. 0.16 min
 Lab File: BG039934.D
 Acq: 14 Mar 2019 21:00

Instrument :
 BNA_G
 ClientSampleId :
 MW-5A

Tot Ion:184 Resp: 829
 Ion Ratio Lower Upper
 184 100
 63 98.1 50.9 76.3#
 154 0.0 53.0 79.6#

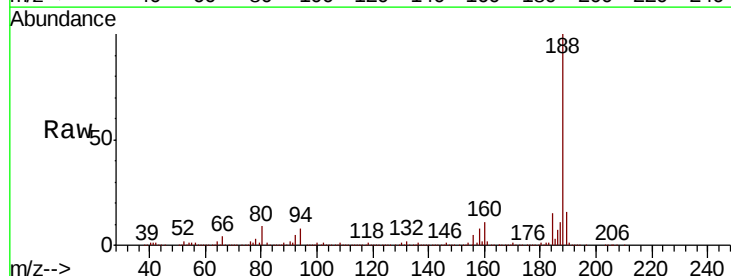


Abundance Ion 184.00 (183.70 to 184.70): E
 Ion 63.00 (62.70 to 63.70): BG
 Ion 154.00 (153.70 to 154.70): E

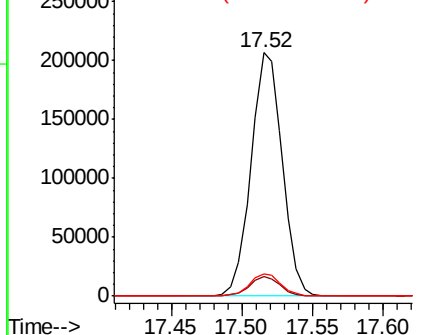
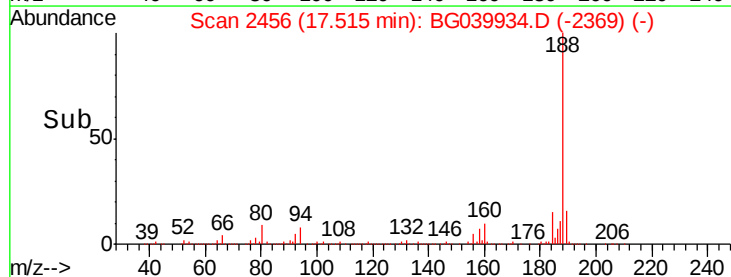


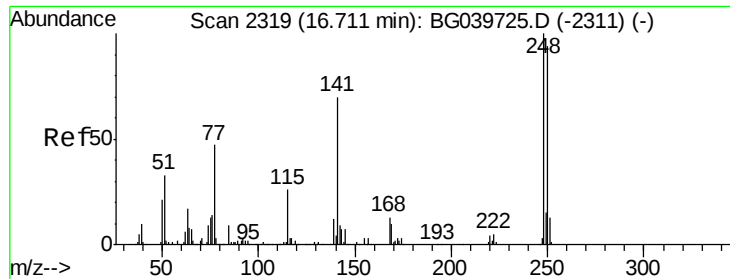
#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.52 min Scan# 2456
 Delta R.T. -0.02 min
 Lab File: BG039934.D
 Acq: 14 Mar 2019 21:00

Tgt Ion:188 Resp: 320892
 Ion Ratio Lower Upper
 188 100
 94 8.0 6.9 10.3
 80 9.3 8.1 12.1



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

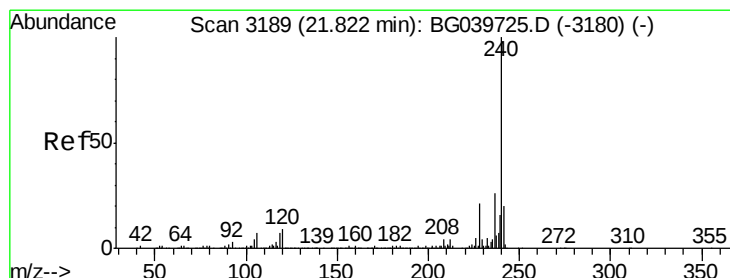
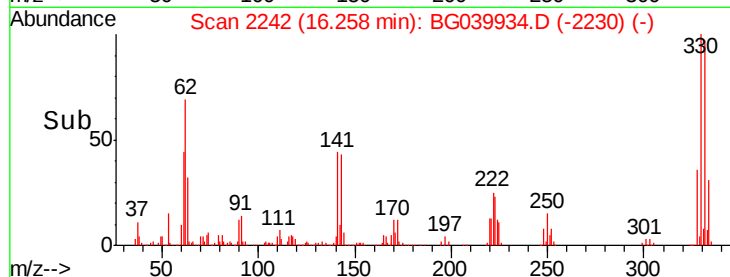
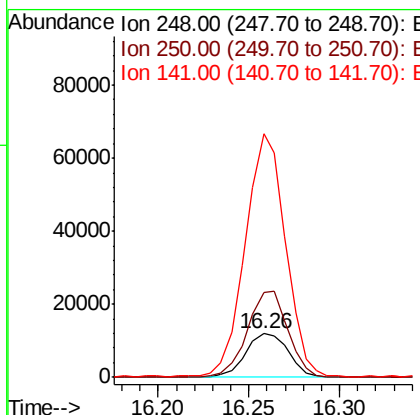
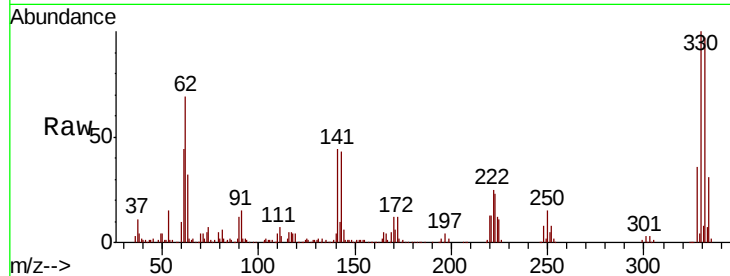




#67
 4-Bromophenyl-phenylether
 Concen: 5.395 ng
 RT: 16.26 min Scan# 2242
 Delta R.T. -0.46 min
 Lab File: BG039934.D
 Acq: 14 Mar 2019 21:00

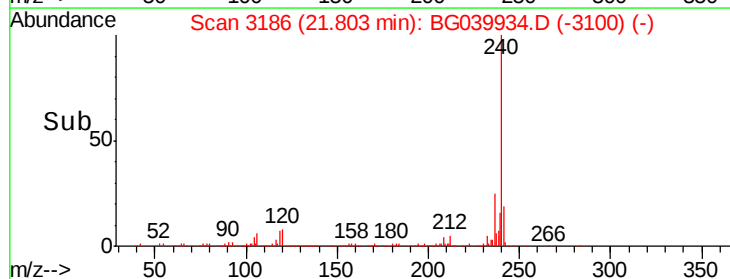
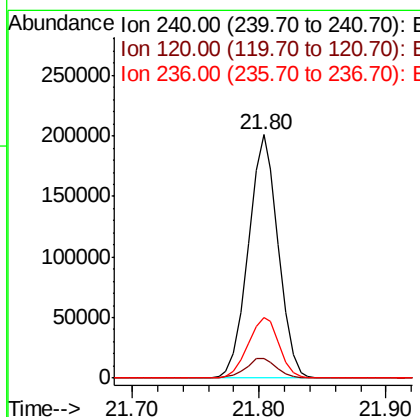
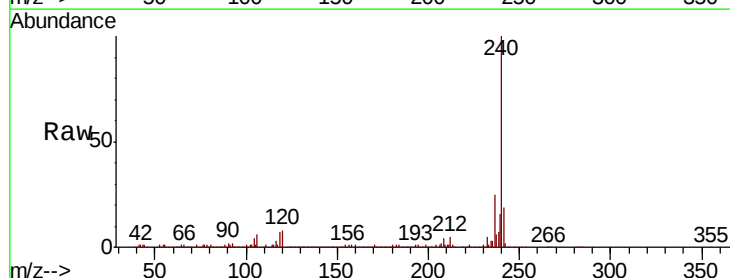
Instrument :
 BNA_G
 ClientSampleId :
 MW-5A

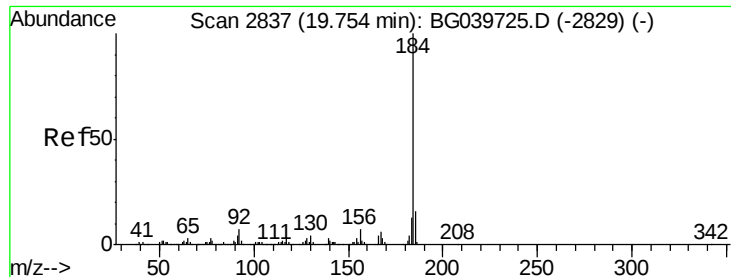
Tot Ion:248 Resp: 19377
 Ion Ratio Lower Upper
 248 100
 250 192.6 77.6 116.4#
 141 556.5 63.9 95.9#



#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.80 min Scan# 3186
 Delta R.T. -0.02 min
 Lab File: BG039934.D
 Acq: 14 Mar 2019 21:00

Tgt Ion:240 Resp: 328527
 Ion Ratio Lower Upper
 240 100
 120 8.2 7.0 10.6
 236 24.6 21.0 31.4





#77

Benzidine

Concen: 2.413 ng

RT: 20.11 min Scan# 2898

Delta R.T. 0.36 min

Lab File: BG039934.D

Acq: 14 Mar 2019 21:00

Instrument :

BNA_G

ClientSampleId :

MW-5A

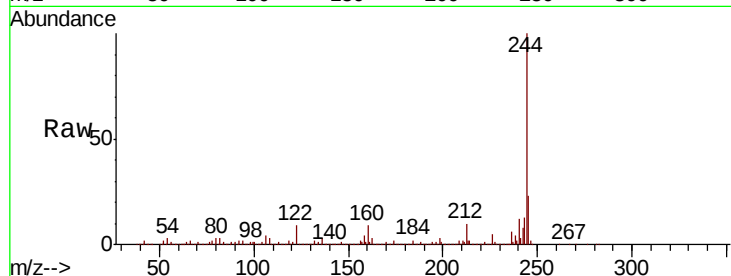
Tot Ion:184 Resp: 25156

Ion Ratio Lower Upper

184 100

185 19.1 12.2 18.2#

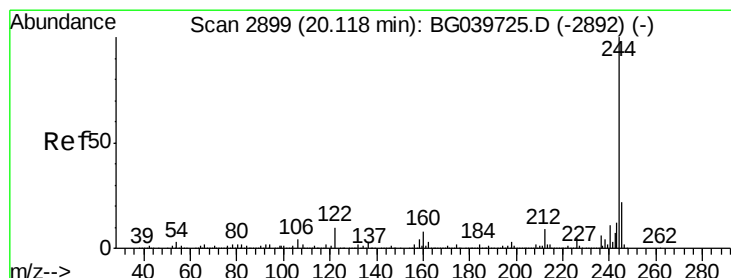
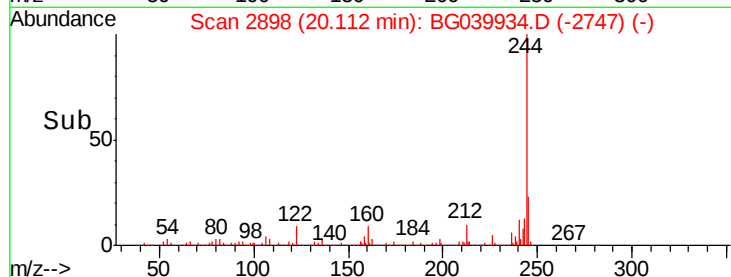
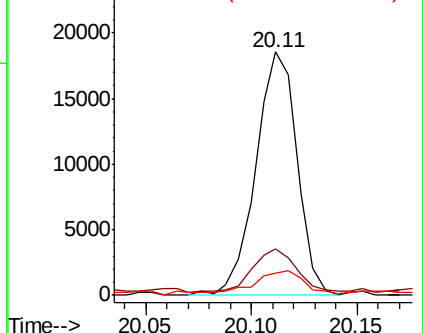
183 9.1 10.6 15.8#



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: 88.850 ng

RT: 20.11 min Scan# 2898

Delta R.T. -0.01 min

Lab File: BG039934.D

Acq: 14 Mar 2019 21:00

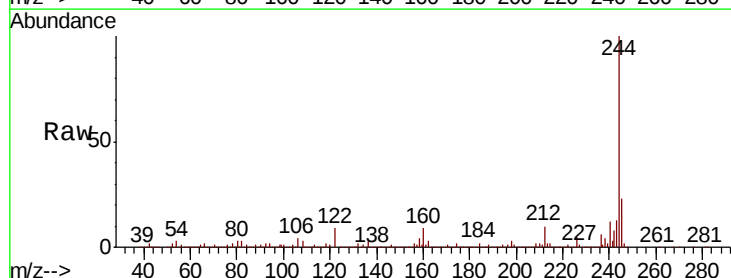
Tgt Ion:244 Resp: 1325712

Ion Ratio Lower Upper

244 100

212 9.9 7.3 10.9

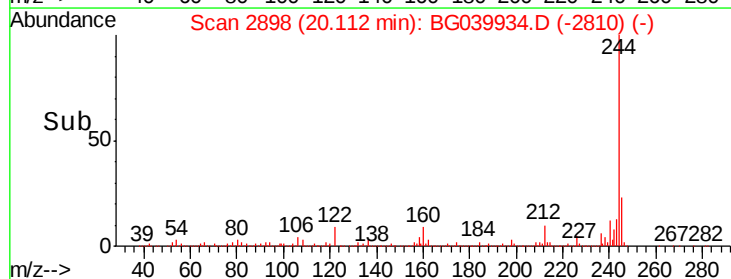
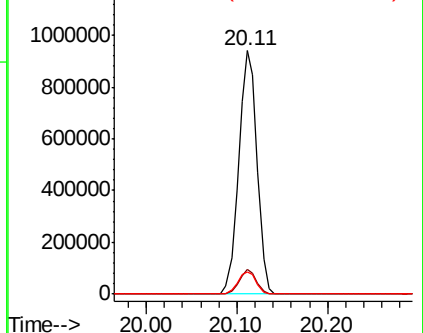
122 9.3 8.4 12.6

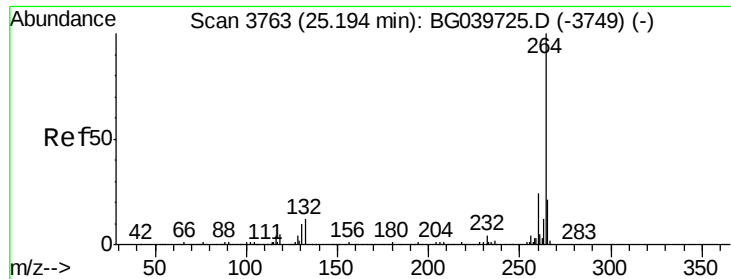


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#87
Pervlone-d12
Concen: 20.000 ng
RT: 25.17 min Scan# 3759
Delta R.T. -0.03 min
Lab File: BG039934.D
Acq: 14 Mar 2019 21:00

Instrument :
BNA_G
ClientSampleId :
MW-5A

Tot Ion:264 Resp: 344394

Ion	Ratio	Lower	Upper
264	100		
260	23.4	18.2	27.4
265	21.6	18.5	27.7

