

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG022819\
 Data File : BG039686.D
 Acq On : 1 Mar 2019 8:49
 Operator : JU/SJ
 Sample : K1652-13
 Misc :
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Mar 01 10:07:40 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG012919.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Mar 01 06:15:02 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.16	152	47165	20.00	ng	0.00
21) Naphthalene-d8	10.98	136	203534	20.00	ng	0.00
39) Acenaphthene-d10	14.79	164	129423	20.00	ng	0.00
64) Phenanthrene-d10	17.53	188	307393	20.00	ng	0.00
76) Chrysene-d12	21.82	240	328587	20.00	ng	-0.01
87) Perylene-d12	25.19	264	309926	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.71	112	440967	160.02	ng	0.00
7) Phenol-d6	7.31	99	565717	139.46	ng	0.00
23) Nitrobenzene-d5	9.34	82	413648	126.96	ng	0.00
42) 2,4,6-Tribromophenol	16.28	330	188259	135.08	ng	0.00
45) 2-Fluorobiphenyl	13.41	172	904806	100.29	ng	0.00
79) Terphenyl-d14	20.12	244	1475188	95.03	ng	0.00

Target Compounds

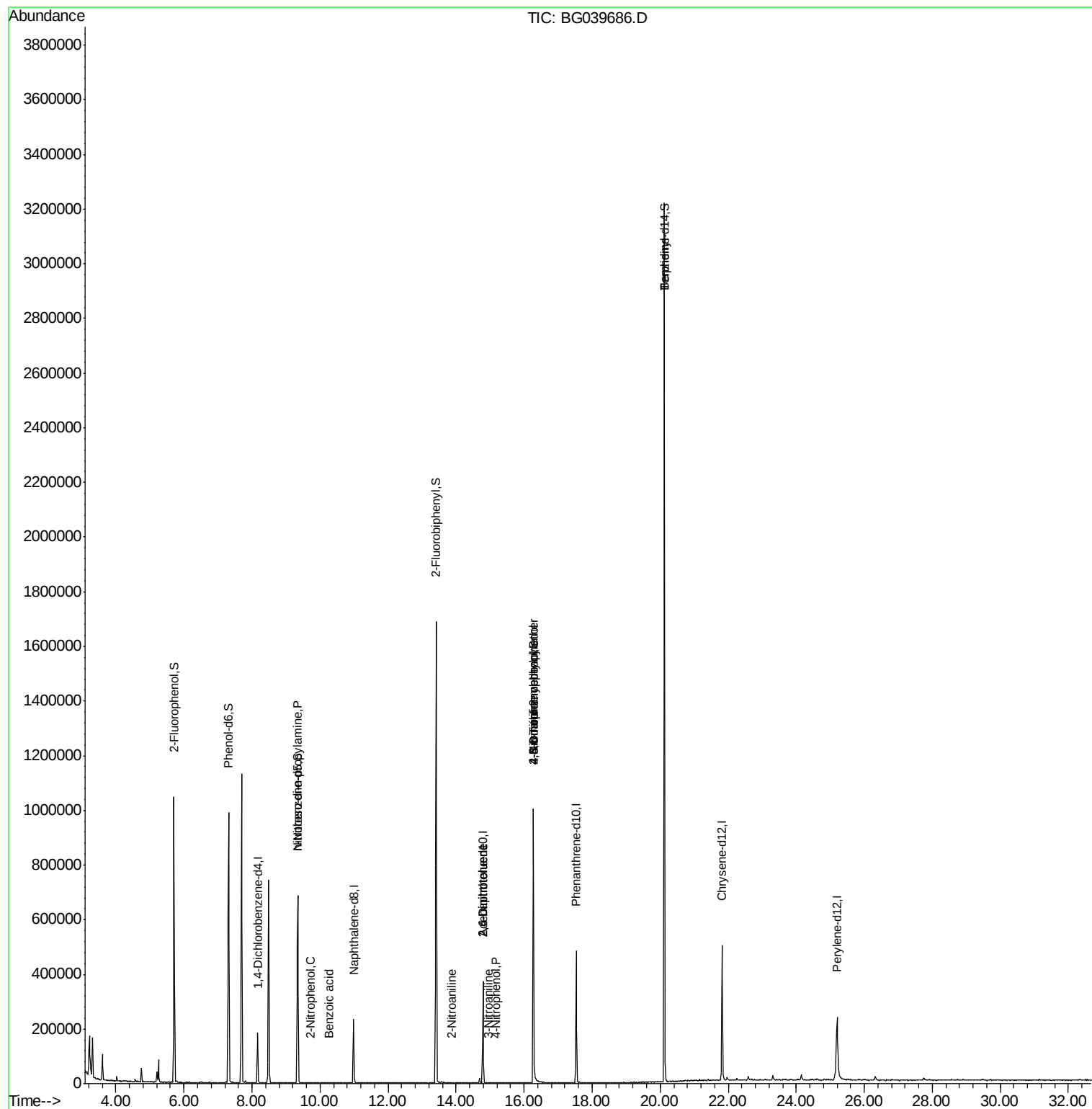
						Qvalue
9) Benzaldehyde	7.31	77	946	Below Cal	#	36
19) n-Nitroso-di-n-propylamine	9.34	70	54789	19.030 ng	#	68
26) 2-Nitrophenol	9.71	139	57	4.054 ng	#	31
32) Benzoic acid	10.27	122	224	9.116 ng	#	85
48) 2-Nitroaniline	13.87	65	72	8.322 ng	#	10
51) 2,6-Dinitrotoluene	14.78	165	16235	13.734 ng	#	24
53) 3-Nitroaniline	14.95	138	57	5.817 ng	#	1
56) 4-Nitrophenol	15.18	139	62	5.824 ng	#	1
57) 2,4-Dinitrotoluene	14.78	165	16235	13.255 ng	#	19
62) 4-Nitroaniline	16.27	138	59	4.227 ng	#	1
65) 4,6-Dinitro-2-methylphenol	16.26	198	619	4.820 ng	#	20
67) 4-Bromophenyl-phenylether	16.27	248	14218	4.169 ng	#	1
77) Benzidine	20.12	184	25539	2.371 ng	#	94

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

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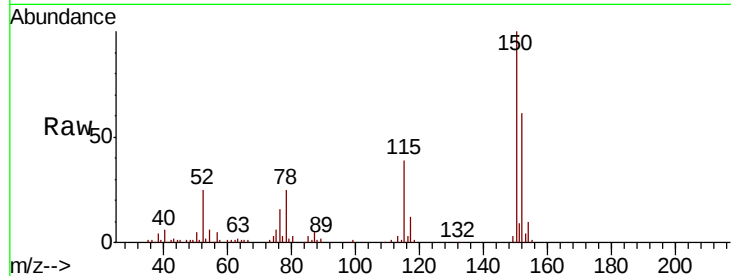


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.16 min Scan# 864
Delta R.T. -0.01 min
Lab File: BG039686.D
Acq: 1 Mar 2019 8:49

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	162.6	123.7	185.5
115	63.3	45.9	68.9

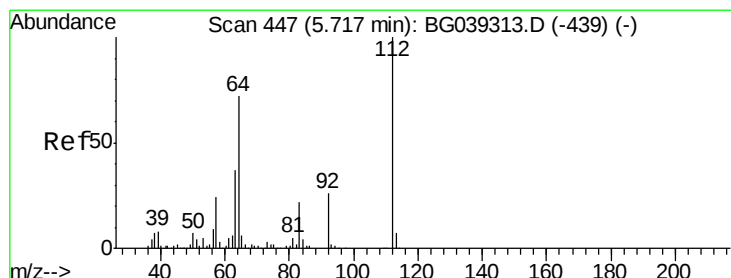
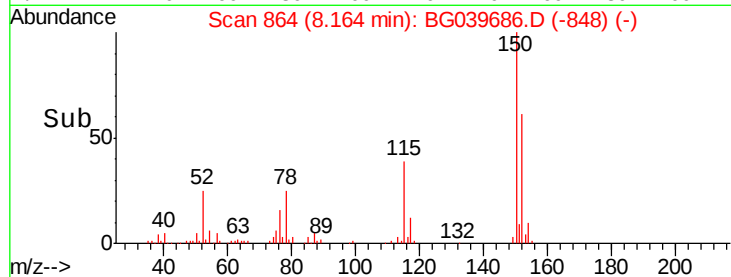
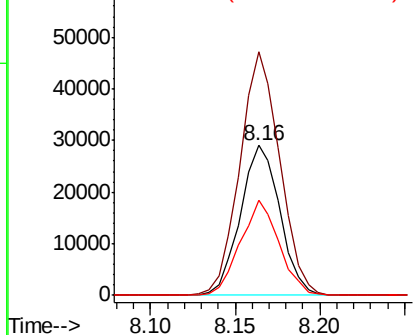


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

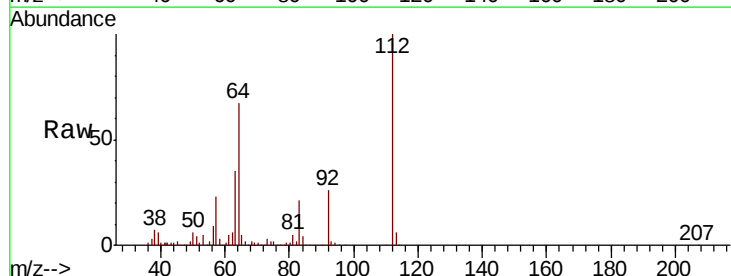
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 160.017 ng
RT: 5.71 min Scan# 447
Delta R.T. 0.01 min
Lab File: BG039686.D
Acq: 1 Mar 2019 8:49

Tgt Ion	Ratio	Lower	Upper
112	100		
64	67.2	57.8	86.8
63	35.3	29.8	44.6

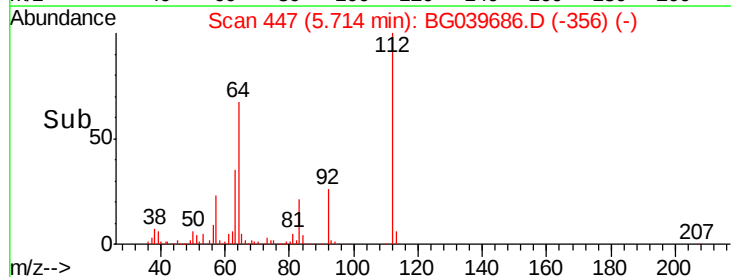
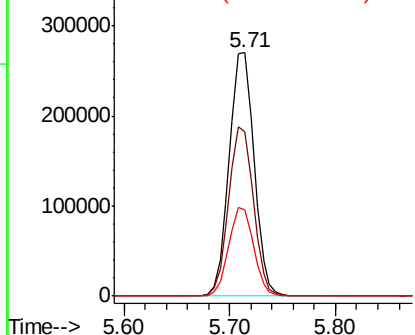


Abundance

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: 139.463 ng

RT: 7.31 min Scan# 719

Delta R.T. -0.00 min

Lab File: BG039686.D

Acq: 1 Mar 2019 8:49

Instrument :

BNA_G

ClientSampleId :

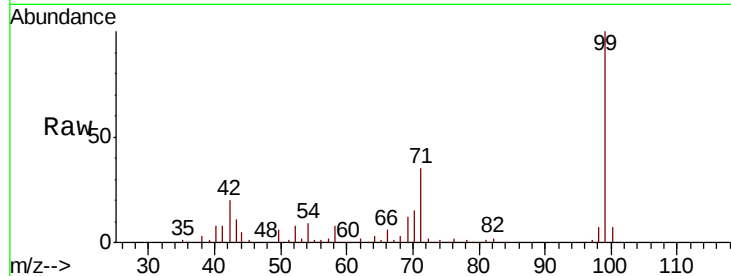
Tot Ion: 99 Resp: 565717

Ion Ratio Lower Upper

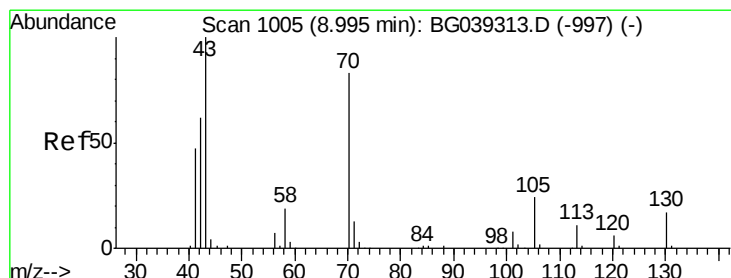
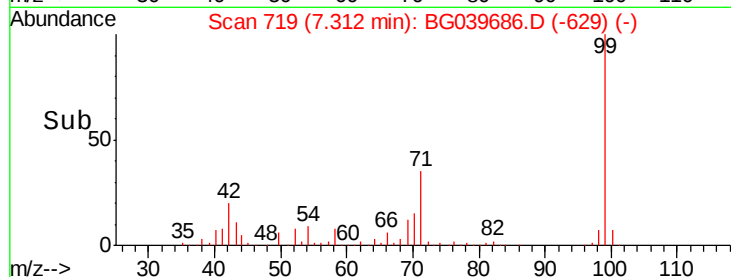
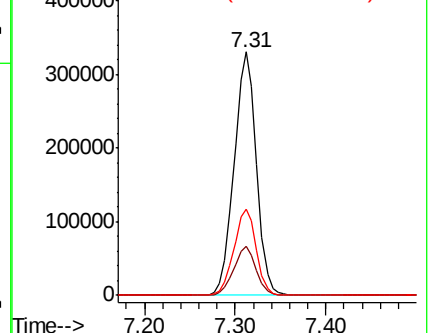
99 100

42 20.0 18.2 27.2

71 35.3 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: 19.030 ng

RT: 9.34 min Scan# 1064

Delta R.T. 0.37 min

Lab File: BG039686.D

Acq: 1 Mar 2019 8:49

Tgt Ion: 70 Resp: 54789

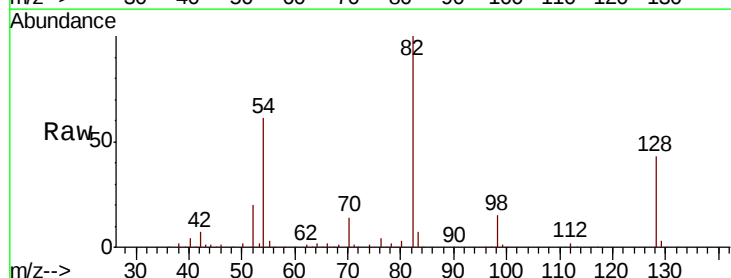
Ion Ratio Lower Upper

70 100

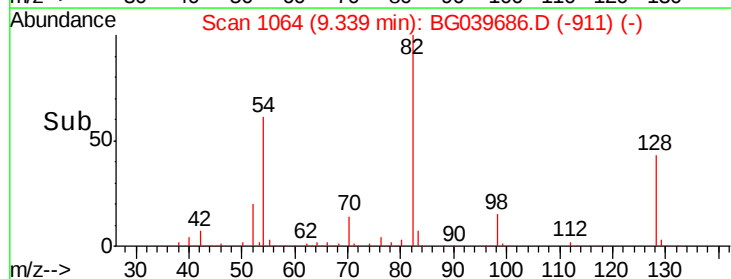
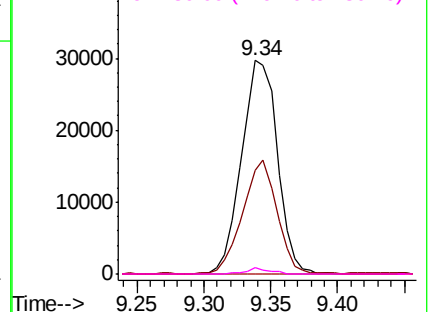
42 48.7 60.4 90.6#

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

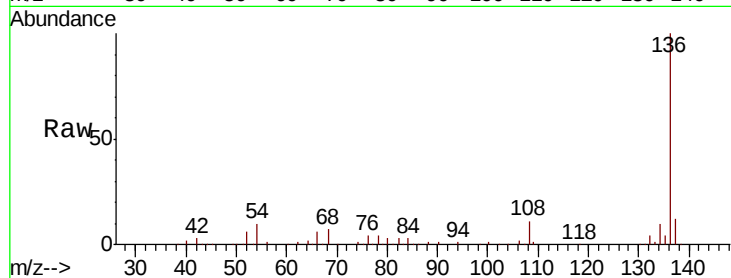




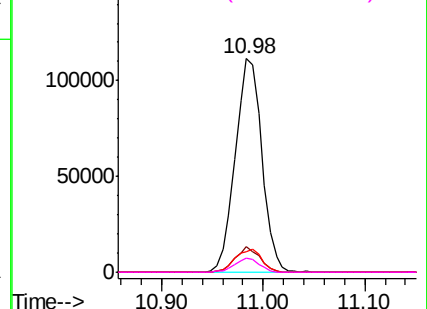
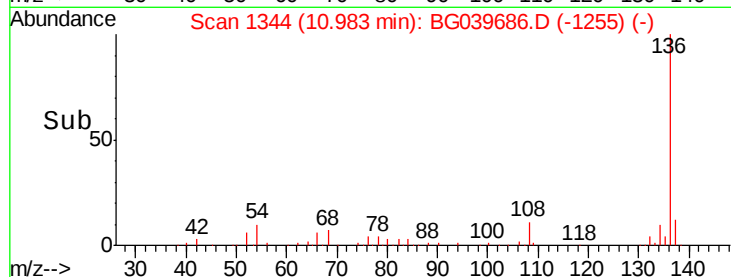
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.98 min Scan# 1344
Delta R.T. -0.01 min
Lab File: BG039686.D
Acq: 1 Mar 2019 8:49

Instrument :
BNA_G
ClientSampleId :

Tot Ion:136	Resp:	203534
Ion Ratio	Lower	Upper
136	100	
137	11.8	9.1 13.7
54	9.7	9.4 14.2
68	6.7	4.2 6.4

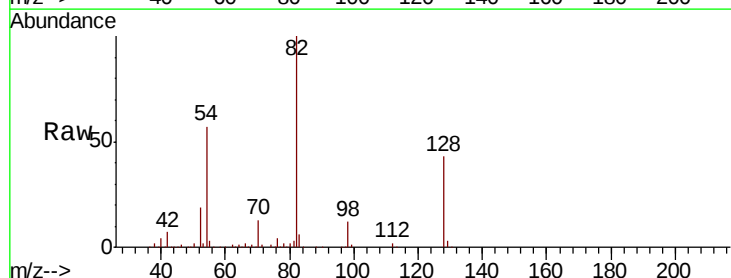


Abundance Ion 136.00 (135.70 to 136.70): BGC
Ion 137.00 (136.70 to 137.70): BGC
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

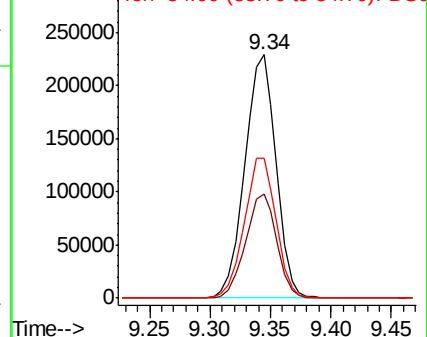
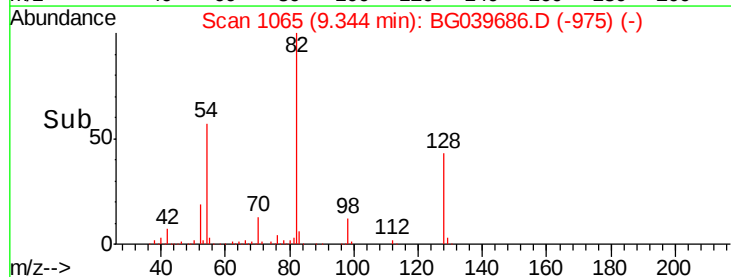


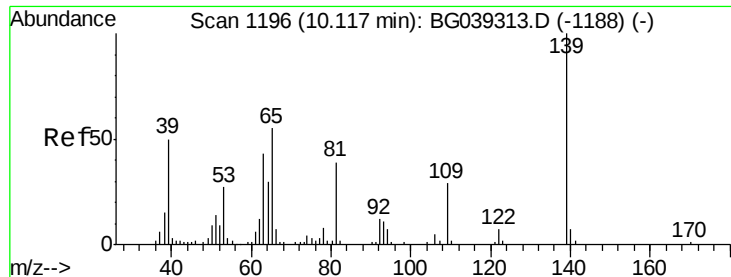
#23
Nitrobenzene-d5
Concen: 126.963 ng
RT: 9.34 min Scan# 1065
Delta R.T. -0.00 min
Lab File: BG039686.D
Acq: 1 Mar 2019 8:49

Tgt Ion: 82	Resp:	413648
Ion Ratio	Lower	Upper
82	100	
128	42.6	31.3 46.9
54	57.2	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

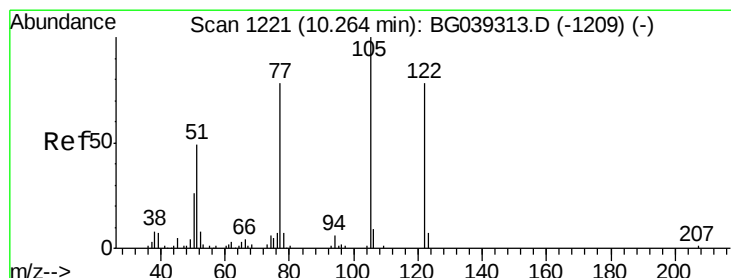
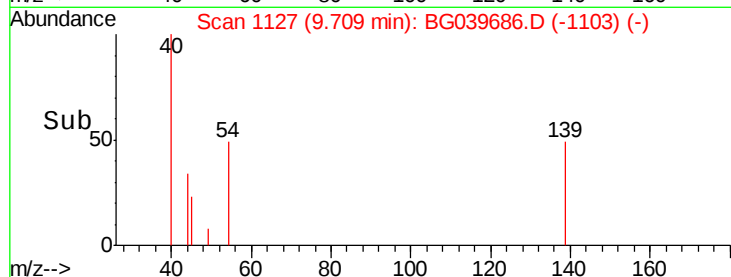
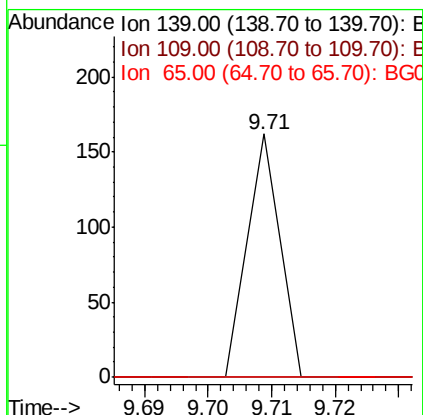
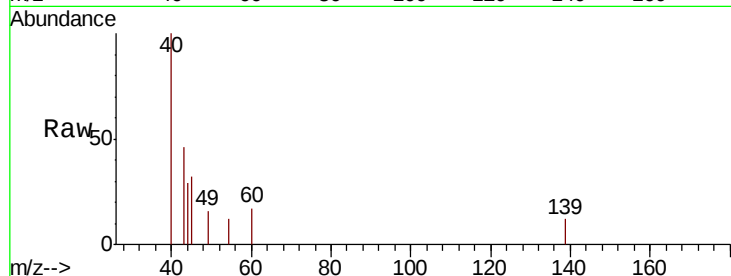




#26
2-Nitrophenol
Concen: 4.054 ng
RT: 9.71 min Scan# 1127
Delta R.T. -0.39 min
Lab File: BG039686.D
Acq: 1 Mar 2019 8:49

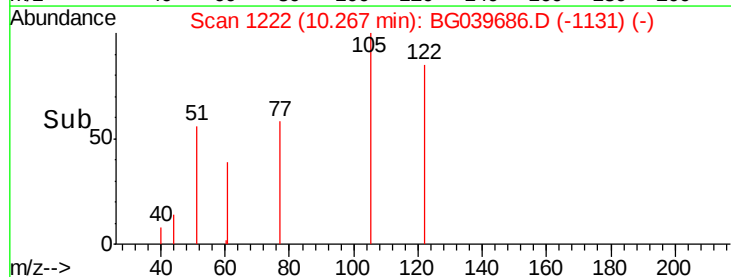
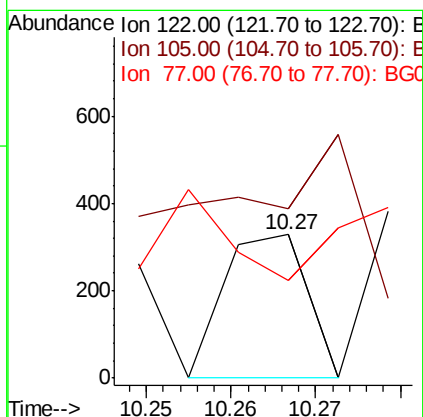
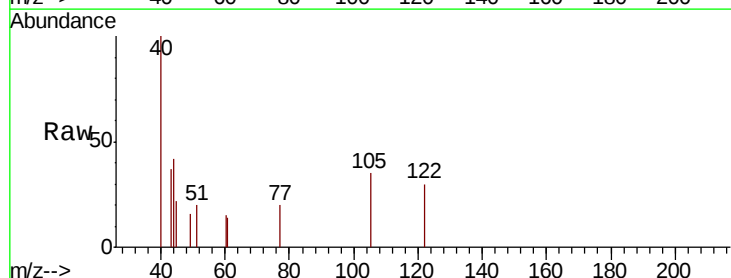
Instrument :
BNA_G
ClientSampleId :

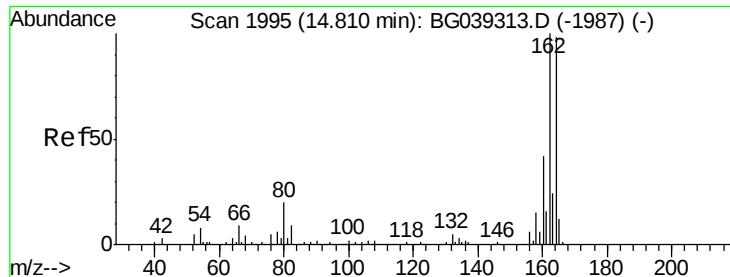
Tot Ion:139 Resp: 57
Ion Ratio Lower Upper
139 100
109 0.0 23.4 35.0#
65 0.0 44.3 66.5#



#32
Benzoic acid
Concen: 9.116 ng
RT: 10.27 min Scan# 1222
Delta R.T. 0.01 min
Lab File: BG039686.D
Acq: 1 Mar 2019 8:49

Tgt Ion:122 Resp: 224
Ion Ratio Lower Upper
122 100
105 117.9 101.8 141.8
77 68.1 76.3 116.3#





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.79 min Scan# 1992

Delta R.T. -0.00 min

Lab File: BG039686.D

Acq: 1 Mar 2019 8:49

Instrument :

BNA_G

ClientSampleId :

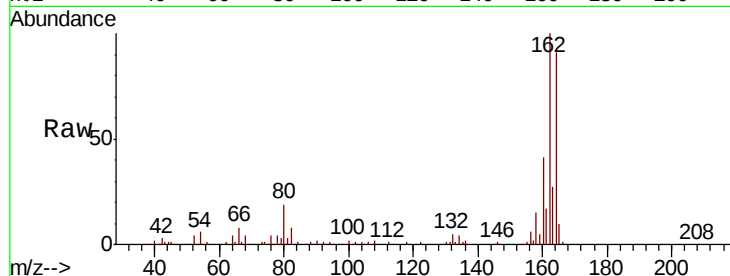
Tot Ion:164 Resp: 129423

Ion Ratio Lower Upper

164 100

162 109.4 81.6 122.4

160 44.9 34.2 51.2

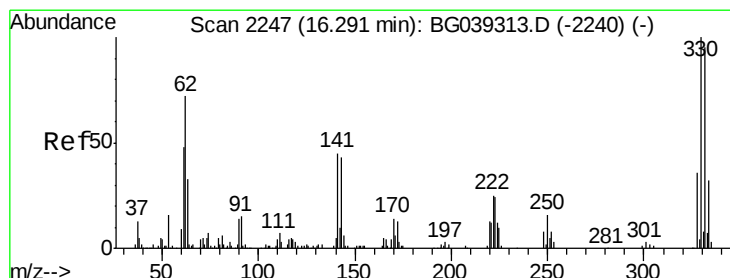
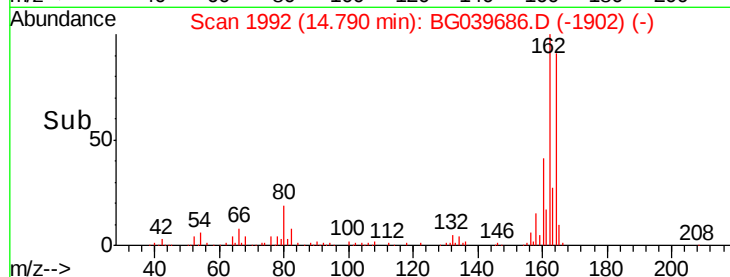
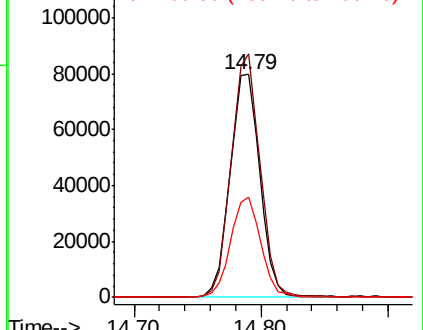


Abundance

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: 135.082 ng

RT: 16.28 min Scan# 2245

Delta R.T. -0.00 min

Lab File: BG039686.D

Acq: 1 Mar 2019 8:49

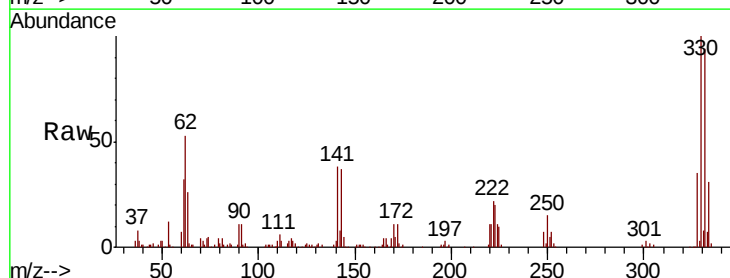
Tgt Ion:330 Resp: 188259

Ion Ratio Lower Upper

330 100

332 93.3 75.7 113.5

141 39.9 35.6 53.4

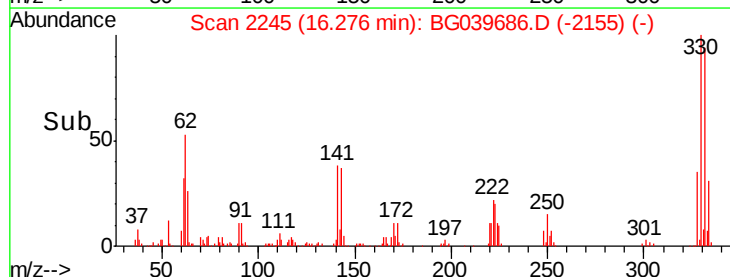
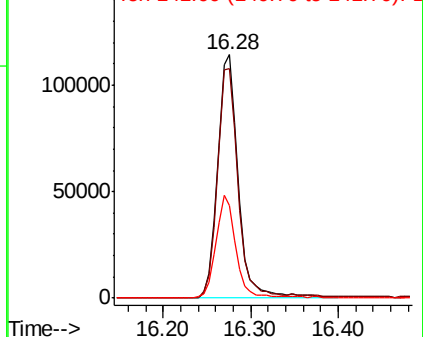


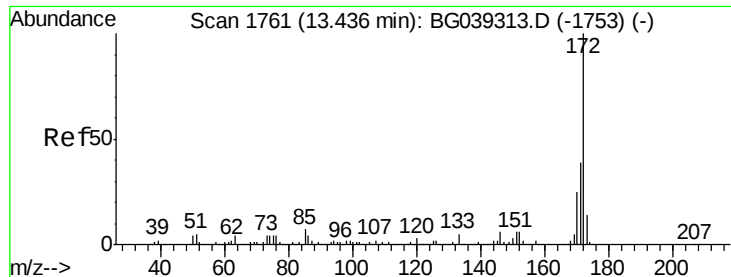
Abundance

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

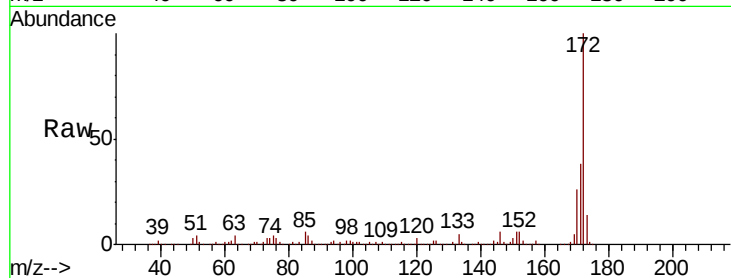




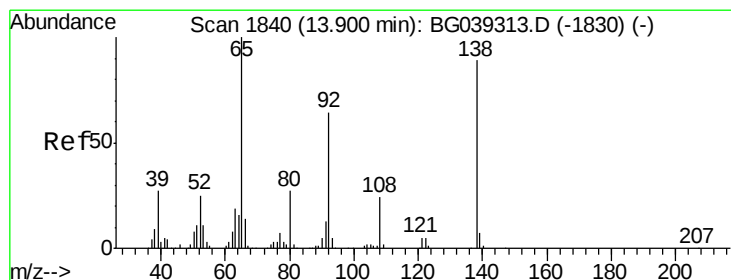
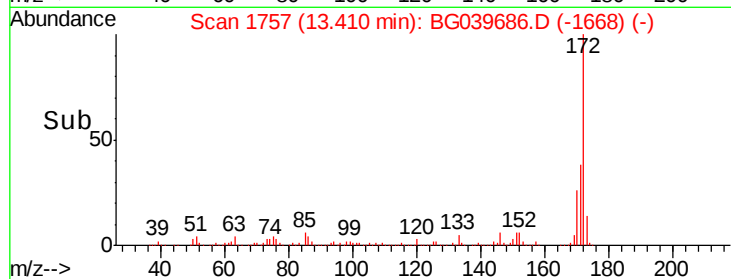
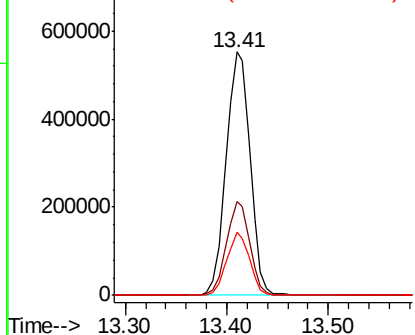
#45
2-Fluorobiphenyl
Concen: 100.290 ng
RT: 13.41 min Scan# 1757
Delta R.T. -0.01 min
Lab File: BG039686.D
Acq: 1 Mar 2019 8:49

Instrument :
BNA_G
ClientSampleId :

Tot Ion:172 Resp: 904806
Ion Ratio Lower Upper
172 100
171 38.5 30.8 46.2
170 25.8 20.2 30.4

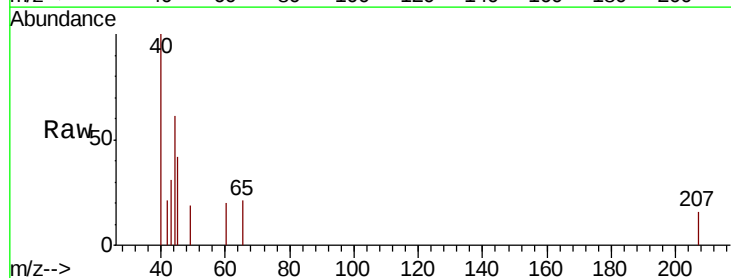


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

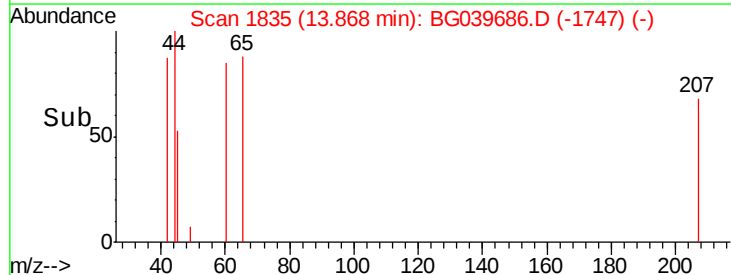
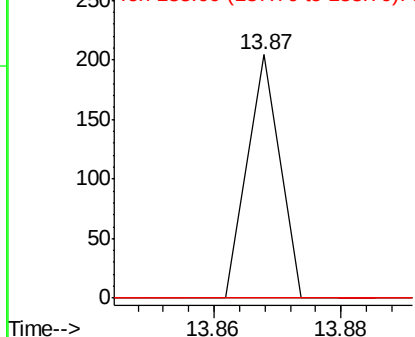


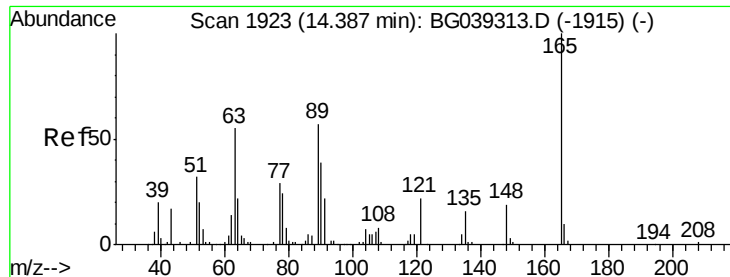
#48
2-Nitroaniline
Concen: 8.322 ng
RT: 13.87 min Scan# 1835
Delta R.T. -0.01 min
Lab File: BG039686.D
Acq: 1 Mar 2019 8:49

Tgt Ion: 65 Resp: 72
Ion Ratio Lower Upper
65 100
92 0.0 51.4 77.2#
138 0.0 71.4 107.2#



Abundance Ion 65.00 (64.70 to 65.70): BGC
Ion 92.00 (91.70 to 92.70): BGC
Ion 138.00 (137.70 to 138.70): E

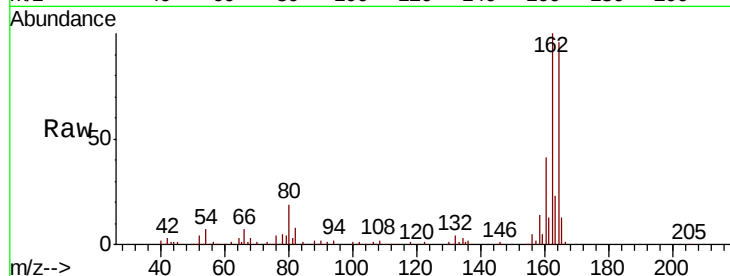




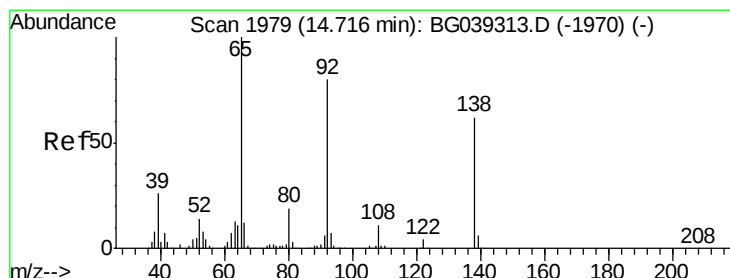
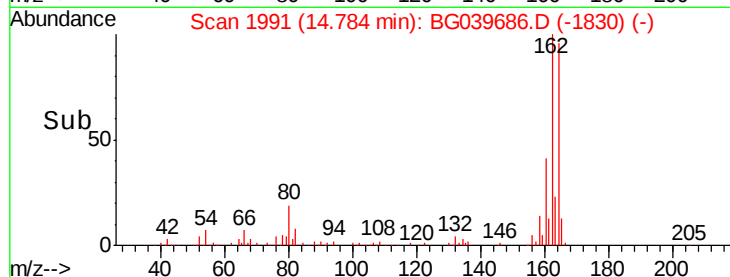
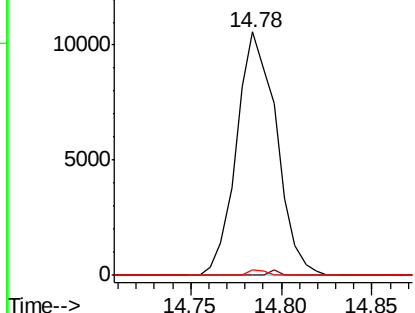
#51
 2,6-Dinitrotoluene
 Concen: 13.734 ng
 RT: 14.78 min Scan# 1991
 Delta R.T. 0.42 min
 Lab File: BG039686.D
 Acq: 1 Mar 2019 8:49

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
165	100		
63	0.0	47.0	70.6#
89	2.5	45.8	68.8#

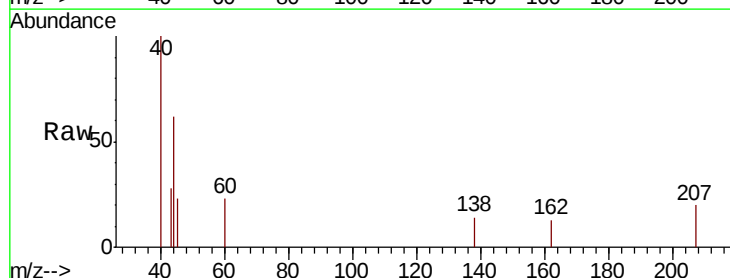


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BG
 Ion 89.00 (88.70 to 89.70): BG

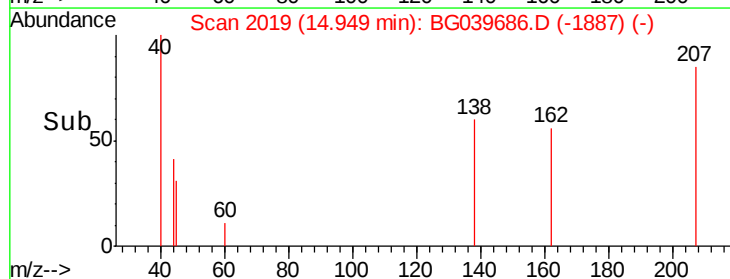
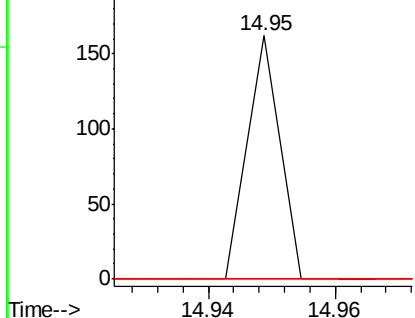


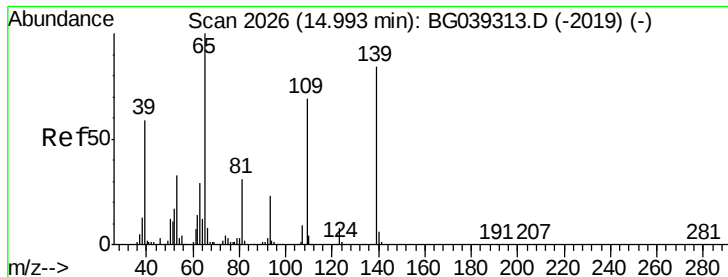
#53
 3-Nitroaniline
 Concen: 5.817 ng
 RT: 14.95 min Scan# 2019
 Delta R.T. 0.25 min
 Lab File: BG039686.D
 Acq: 1 Mar 2019 8:49

Tgt Ion	Ratio	Lower	Upper
138	100		
108	0.0	13.8	20.8#
92	0.0	103.7	155.5#



Abundance Ion 138.00 (137.70 to 138.70): E
 Ion 108.00 (107.70 to 108.70): E
 Ion 92.00 (91.70 to 92.70): BG





#56

4-Nitrophenol

Concen: 5.824 ng

RT: 15.18 min Scan# 2058

Delta R.T. 0.19 min

Lab File: BG039686.D

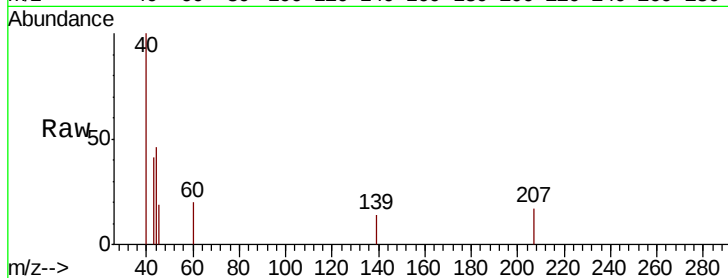
Acq: 1 Mar 2019 8:49

Instrument :

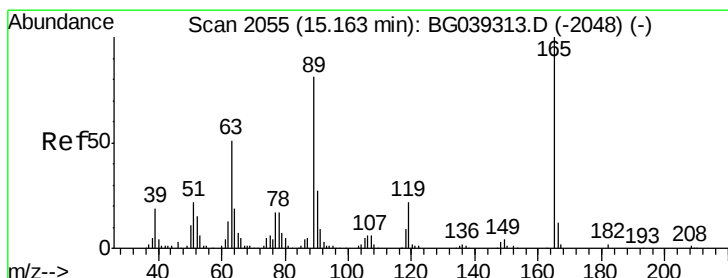
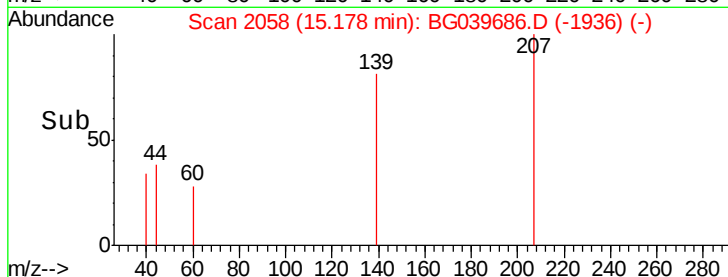
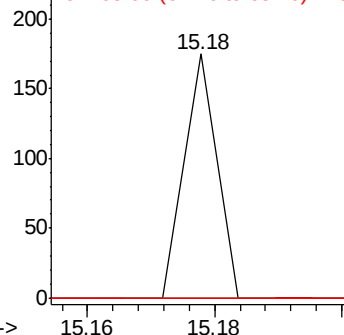
BNA_G

ClientSampleId :

Tot Ion:	139	Resp:	62
Ion	Ratio	Lower	Upper
139	100		
109	0.0	61.9	101.9#
65	0.0	99.1	139.1#



Abundance Ion 139.00 (138.70 to 139.70): E
Ion 109.00 (108.70 to 109.70): E
Ion 65.00 (64.70 to 65.70): BGC



#57

2,4-Dinitrotoluene

Concen: 13.255 ng

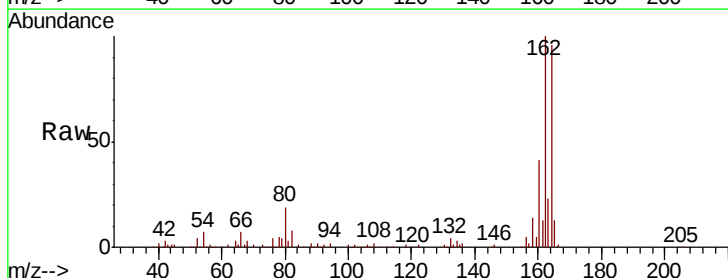
RT: 14.78 min Scan# 1991

Delta R.T. -0.36 min

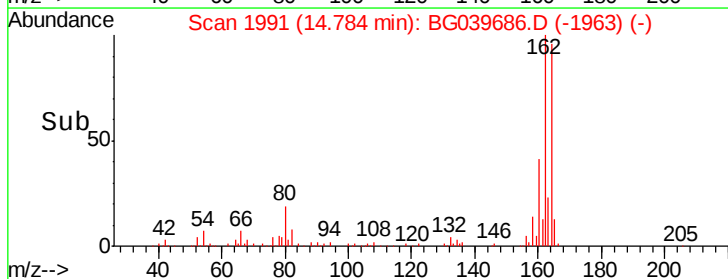
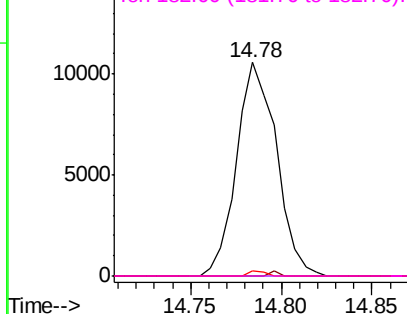
Lab File: BG039686.D

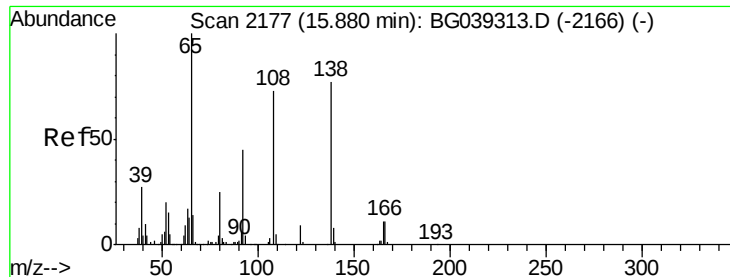
Acq: 1 Mar 2019 8:49

Tgt Ion:	165	Resp:	16235
Ion	Ratio	Lower	Upper
165	100		
63	0.0	41.0	61.6#
89	2.5	64.6	96.8#
182	0.0	2.0	3.0#



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





#62

4-Nitroaniline

Concen: 4.227 ng

RT: 16.27 min Scan# 2244

Delta R.T. 0.40 min

Lab File: BG039686.D

Acq: 1 Mar 2019 8:49

Instrument :

BNA_G

ClientSampleId :

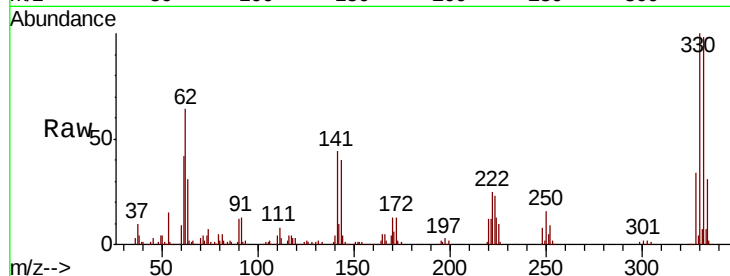
Tot Ion:138 Resp: 59

Ion Ratio Lower Upper

138 100

92 511.4 38.7 78.7#

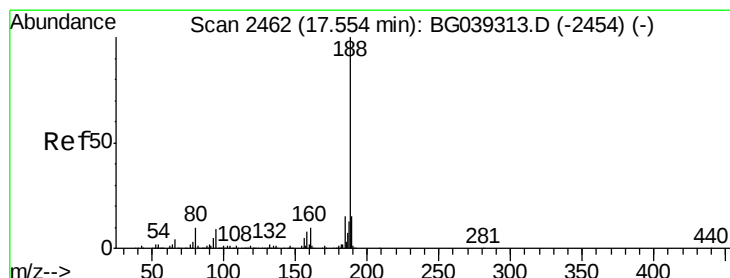
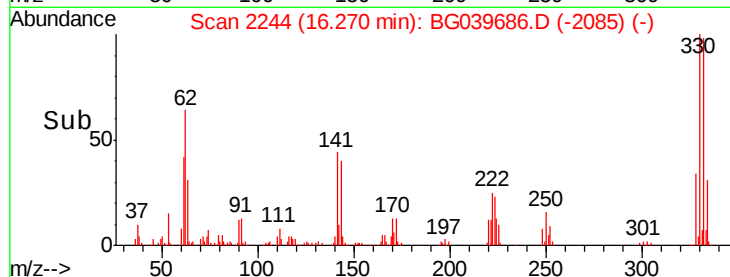
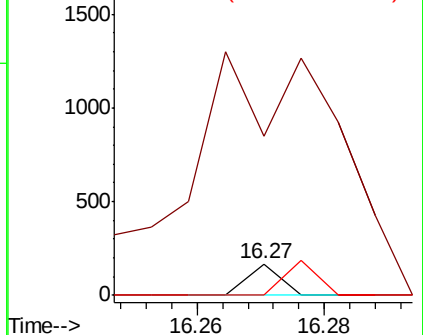
108 0.0 74.6 114.6#



Abundance Ion 138.00 (137.70 to 138.70): E

Ion 92.00 (91.70 to 92.70): BG0

Ion 108.00 (107.70 to 108.70): E



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.53 min Scan# 2459

Delta R.T. -0.00 min

Lab File: BG039686.D

Acq: 1 Mar 2019 8:49

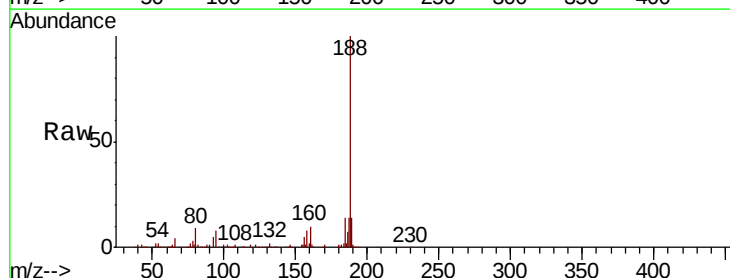
Tgt Ion:188 Resp: 307393

Ion Ratio Lower Upper

188 100

94 8.4 6.9 10.3

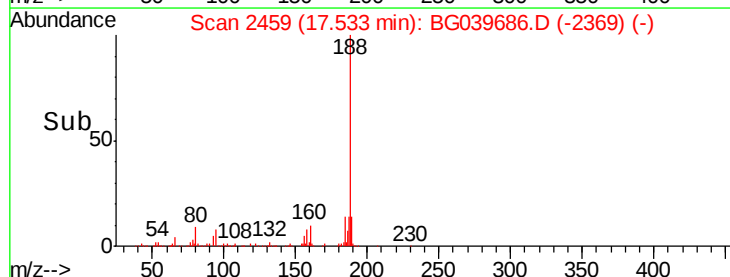
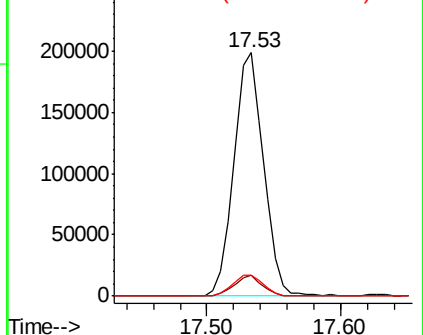
80 8.6 8.1 12.1

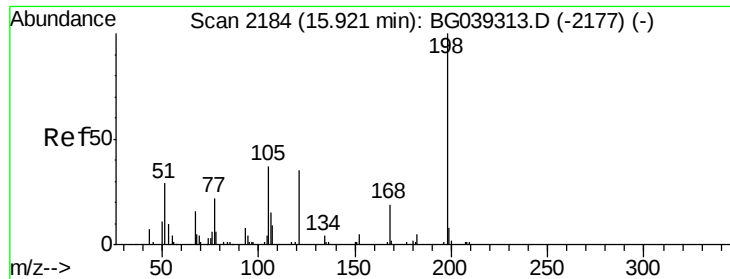


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BG0

Ion 80.00 (79.70 to 80.70): BG0





#65

4,6-Dinitro-2-methylphenol

Concen: 4.820 ng

RT: 16.26 min Scan# 2243

Delta R.T. 0.36 min

Lab File: BG039686.D

Acq: 1 Mar 2019 8:49

Instrument :

BNA_G

ClientSampleId :

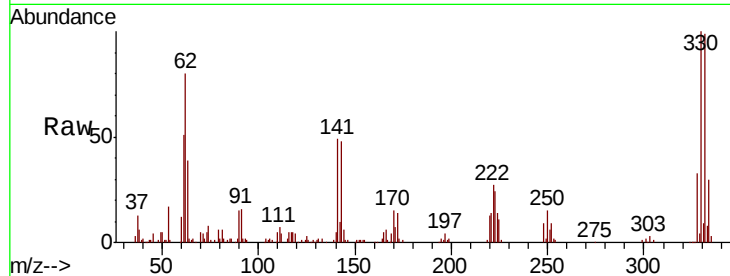
Tot Ion:198 Resp: 619

Ion Ratio Lower Upper

198 100

51 95.8 27.4 67.4#

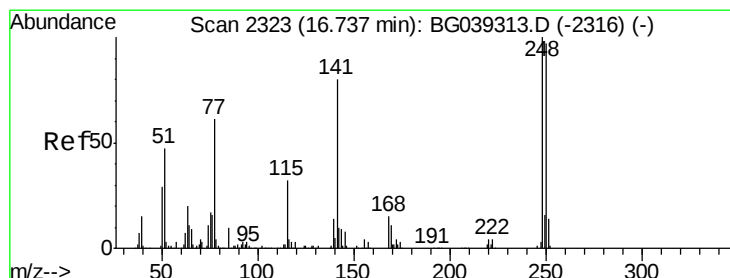
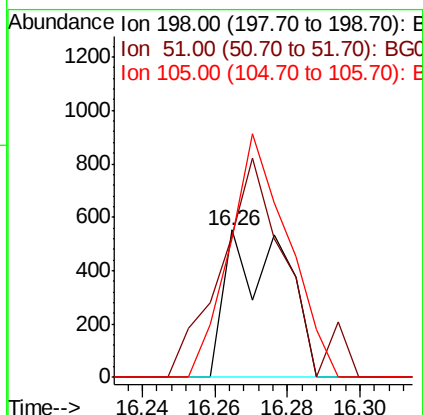
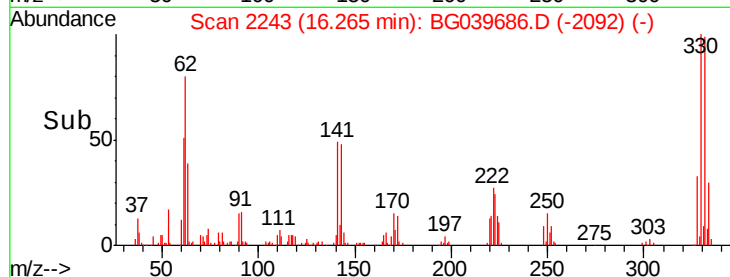
105 94.4 19.7 59.7#



Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BG

Ion 105.00 (104.70 to 105.70): E



#67

4-Bromophenyl-phenylether

Concen: 4.169 ng

RT: 16.27 min Scan# 2244

Delta R.T. -0.45 min

Lab File: BG039686.D

Acq: 1 Mar 2019 8:49

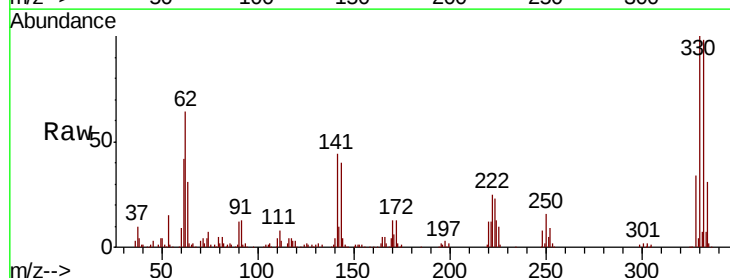
Tgt Ion:248 Resp: 14218

Ion Ratio Lower Upper

248 100

250 207.3 77.6 116.4#

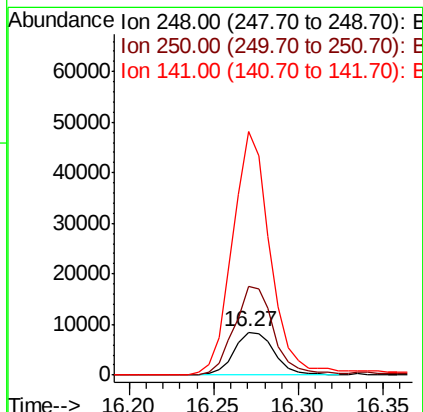
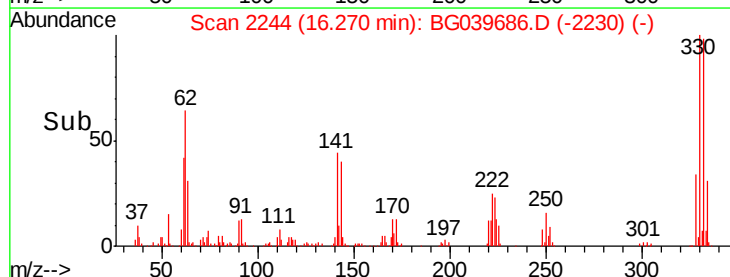
141 566.9 63.9 95.9#

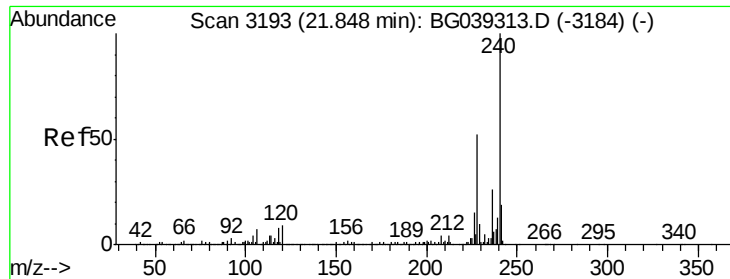


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

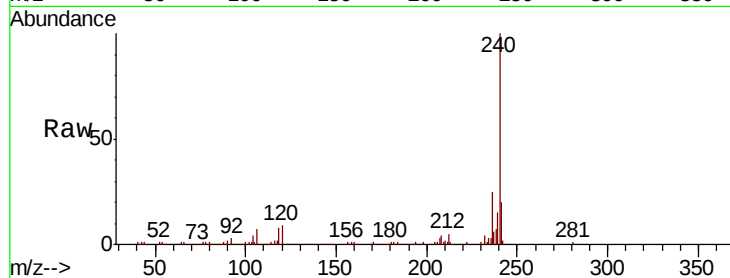




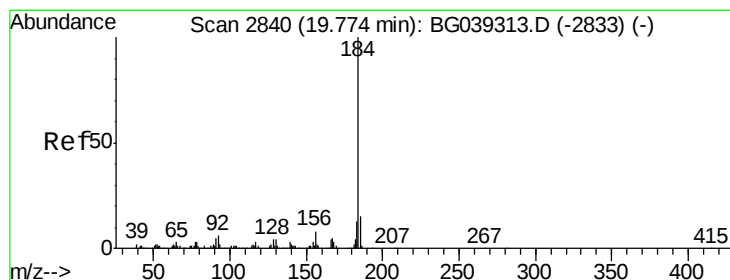
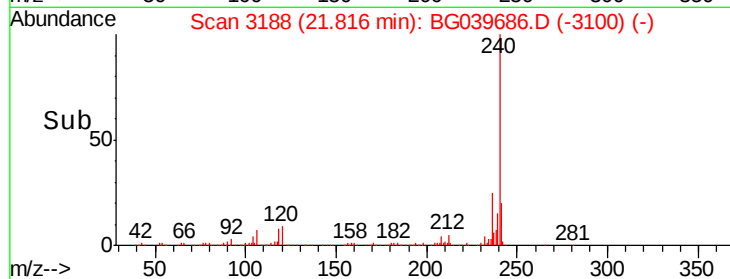
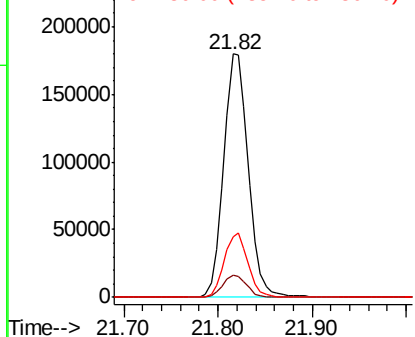
#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.82 min Scan# 3188
Delta R.T. -0.01 min
Lab File: BG039686.D
Acq: 1 Mar 2019 8:49

Instrument :
BNA_G
ClientSampled :

Tot Ion:240 Resp: 328587
Ion Ratio Lower Upper
240 100
120 9.1 7.0 10.6
236 24.9 21.0 31.4

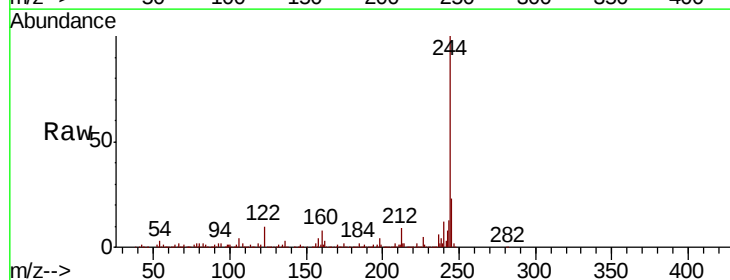


Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E

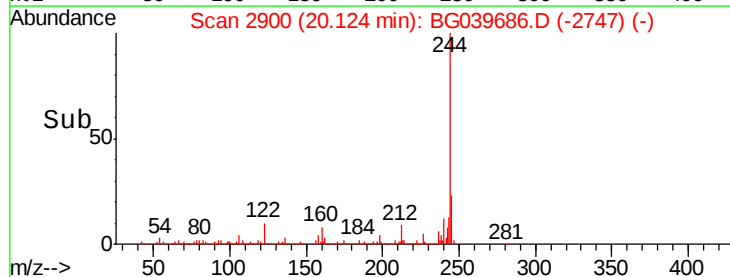
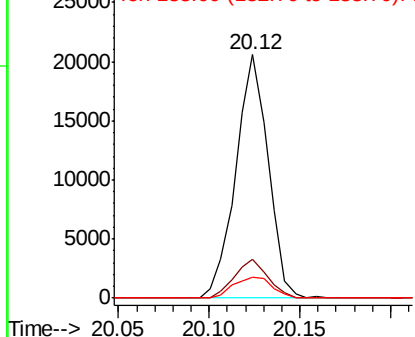


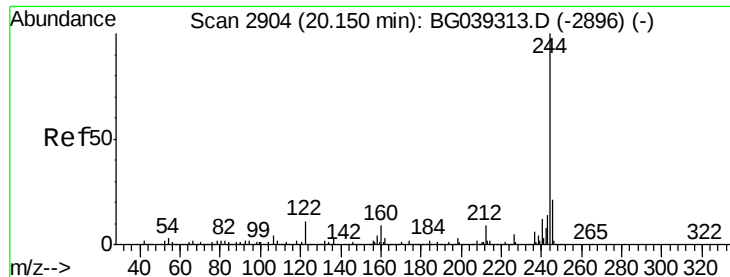
#77
Benzidine
Concen: 2.371 ng
RT: 20.12 min Scan# 2900
Delta R.T. 0.37 min
Lab File: BG039686.D
Acq: 1 Mar 2019 8:49

Tgt Ion:184 Resp: 25539
Ion Ratio Lower Upper
184 100
185 15.8 12.2 18.2
183 8.8 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



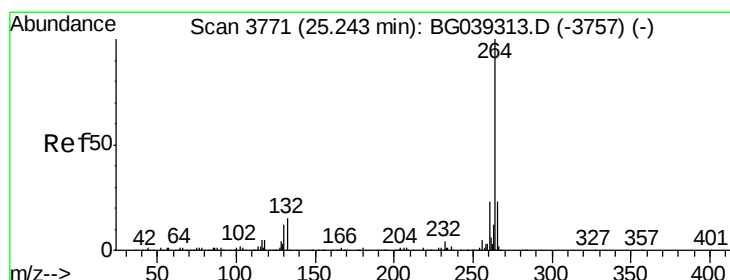
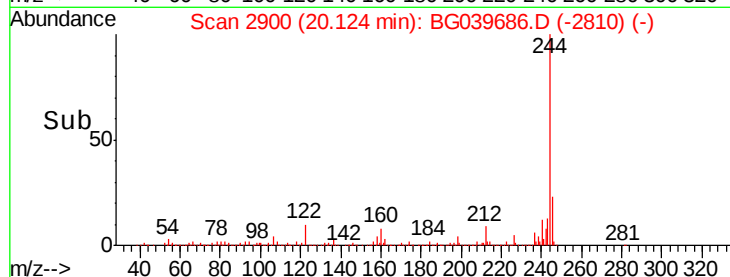
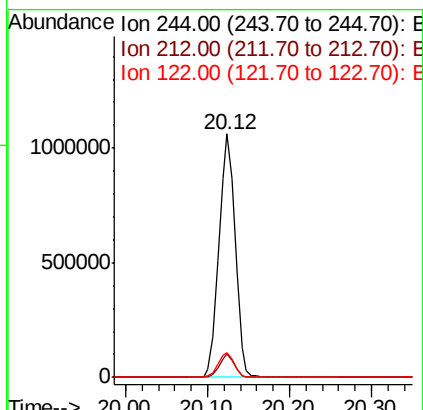
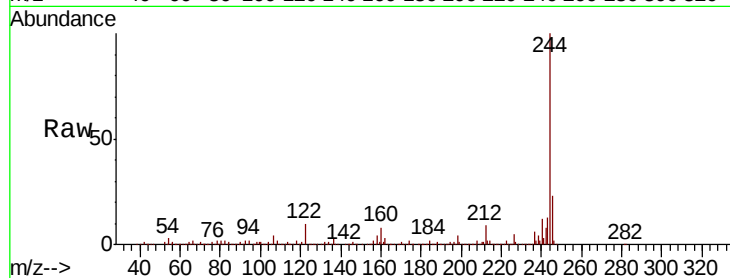


#79
 Terphenyl-d14
 Concen: 95.028 ng
 RT: 20.12 min Scan# 2900
 Delta R.T. -0.00 min
 Lab File: BG039686.D
 Acq: 1 Mar 2019 8:49

Instrument :
 BNA_G
 ClientSampled :

Tot Ion:244 Resp: 1475188

Ion	Ratio	Lower	Upper
244	100		
212	9.4	7.3	10.9
122	10.1	8.4	12.6



#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 25.19 min Scan# 3763
 Delta R.T. -0.01 min
 Lab File: BG039686.D
 Acq: 1 Mar 2019 8:49

Tgt Ion:264 Resp: 309926

Ion	Ratio	Lower	Upper
264	100		
260	23.6	18.2	27.4
265	20.8	18.5	27.7

