

Data Path : Z:\HPCHEM1\BNA G\DATA\BG011718\
 Data File : BG032109.D
 Acq On : 17 Jan 2018 20:28
 Operator : SJ/JU
 Sample : J1156-11
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Jan 18 05:18:44 2018
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG011218.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jan 15 10:05:15 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.75	152	68535	20.00	ng	-0.03
21) Naphthalene-d8	11.62	136	260990	20.00	ng	-0.04
38) Acenaphthene-d10	15.38	164	156777	20.00	ng	-0.02
63) Phenanthrene-d10	18.14	188	357601	20.00	ng	0.00
75) Chrysene-d12	22.47	240	482158	20.00	ng	-0.01
86) Perylene-d12	26.16	264	542034	20.00	ng	-0.05

System Monitoring Compounds

5) 2-Fluorophenol	6.17	112	513817	137.12	ng	-0.02
7) Phenol-d6	7.85	99	636055	134.77	ng	-0.02
23) Nitrobenzene-d5	9.94	82	414806	107.53	ng	-0.03
41) 2,4,6-Tribromophenol	16.87	330	406765	156.79	ng	0.00
44) 2-Fluorobiphenyl	14.01	172	1248061	98.71	ng	-0.02
78) Terphenyl-d14	20.67	244	2054077	94.07	ng	0.00

Target Compounds

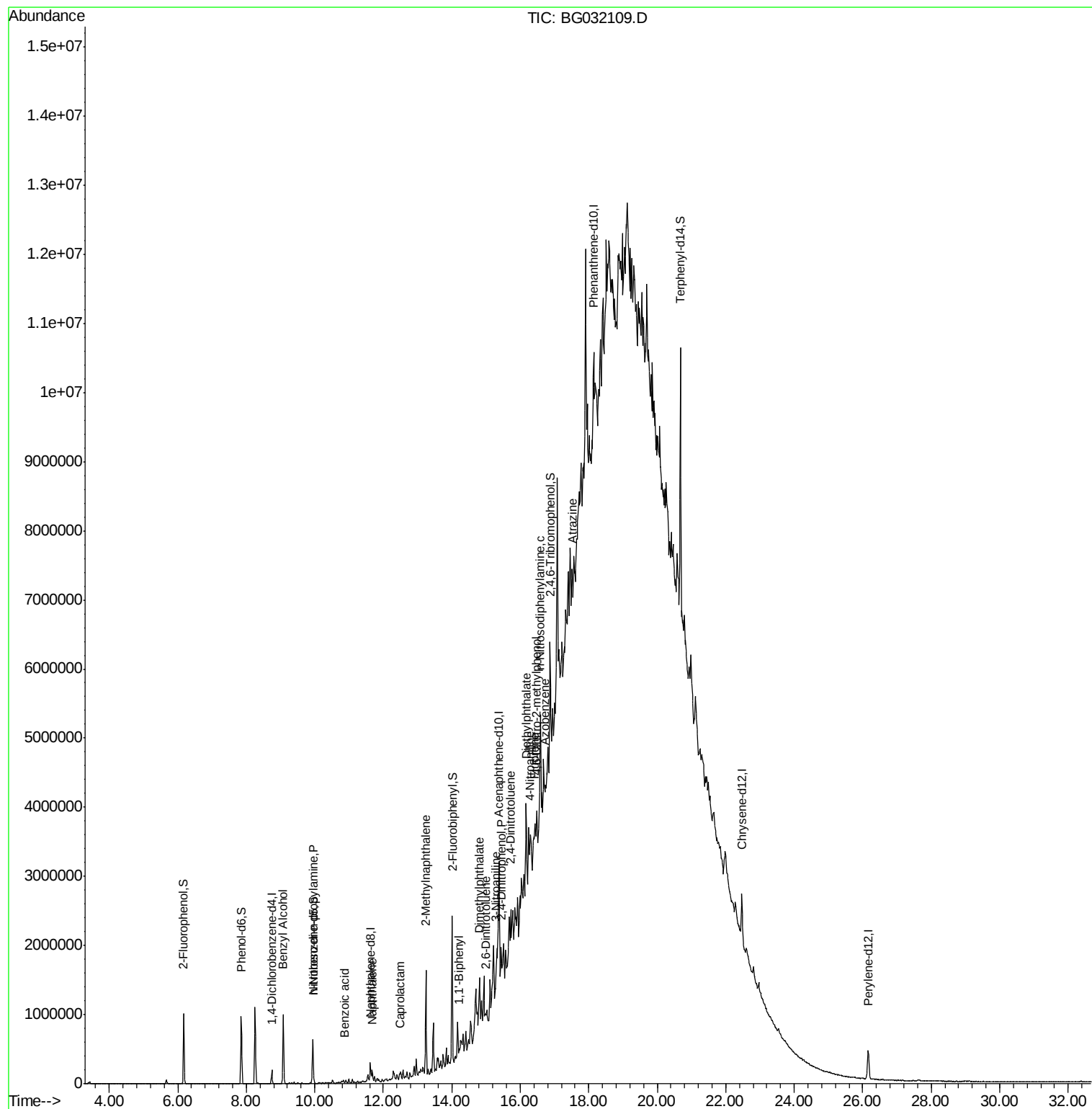
						Qvalue
15) Benzyl Alcohol	9.08	79	7874	2.297	ng	# 33
19) n-Nitroso-di-n-propylamine	9.94	70	59671	20.378	ng	# 79
31) Naphthalene	11.68	128	147775	11.430	ng	99
32) Benzoic acid	10.88	122	73	5.278	ng	# 26
35) Caprolactam	12.47	113	2738	2.027	ng	# 1
37) 2-Methylnaphthalene	13.25	142	791679	77.128	ng	95
45) 1,1'-Biphenyl	14.22	154	57722	4.295	ng	97
49) Dimethylphthalate	14.81	163	86701	6.320	ng	# 61
50) 2,6-Dinitrotoluene	14.99	165	9060	3.182	ng	# 26
52) 3-Nitroaniline	15.29	138	9231	3.589	ng	# 20
53) 2,4-Dinitrophenol	15.47	184	119	7.040	ng	# 1
56) 2,4-Dinitrotoluene	15.72	165	13797	3.599	ng	# 28
57) Fluorene	16.43	166	31932	2.479	ng	# 7
59) Diethylphthalate	16.17	149	30307	2.279	ng	# 31
61) 4-Nitroaniline	16.27	138	26099	10.578	ng	88
62) Azobenzene	16.72	77	58847	7.069	ng	# 10
64) 4,6-Dinitro-2-methylphenol	16.47	198	5250	6.945	ng	# 1
65) n-Nitrosodiphenylamine	16.60	169	54466	5.019	ng	94
68) Atrazine	17.54	200	14698	3.221	ng	# 1

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

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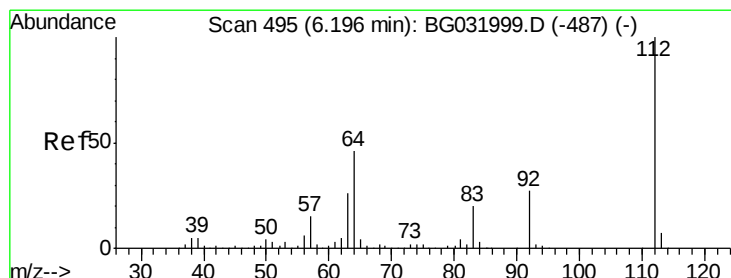
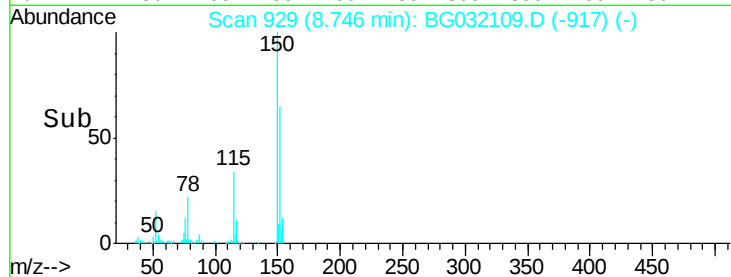
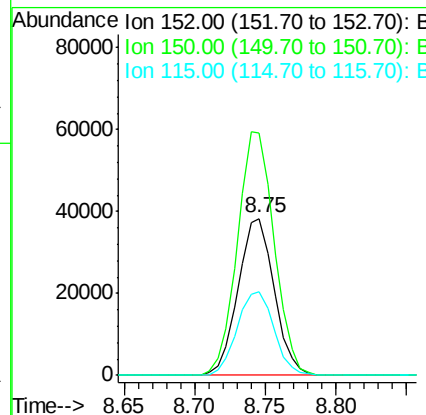
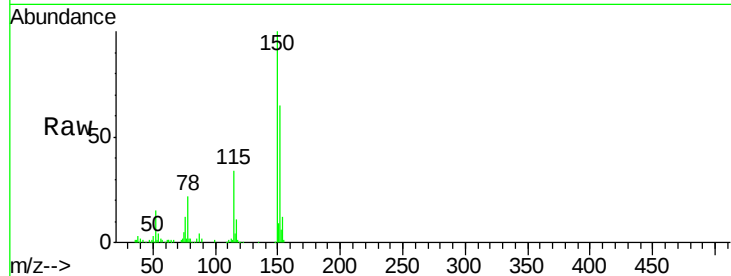


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.75 min Scan# 929
Delta R.T. -0.03 min
Lab File: BG032109.D
Acq: 17 Jan 2018 20:28

Instrument :
BNA_G
ClientSampleId :

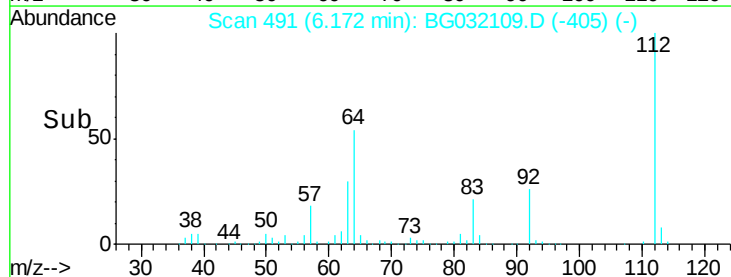
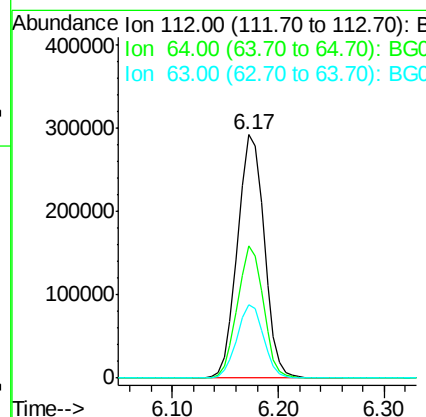
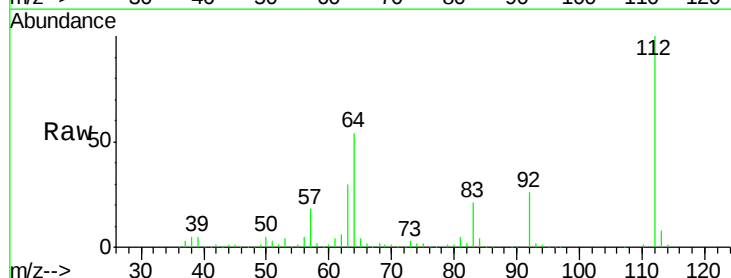
Tot Ion:152 Resp: 68535
Ion Ratio Lower Upper
152 100
150 154.4 126.6 189.8
115 53.2 53.0 79.4

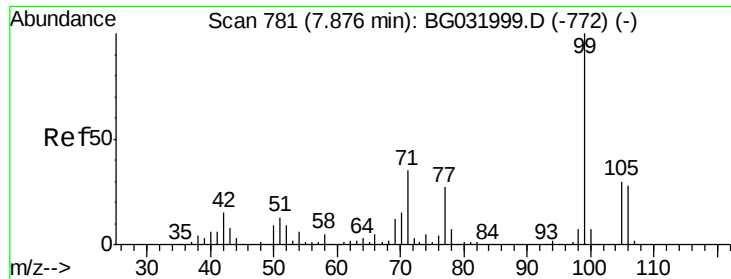


#5

2-Fluorophenol
Concen: 137.118 ng
RT: 6.17 min Scan# 491
Delta R.T. -0.02 min
Lab File: BG032109.D
Acq: 17 Jan 2018 20:28

Tgt Ion:112 Resp: 513817
Ion Ratio Lower Upper
112 100
64 54.5 56.3 84.5#
63 30.1 30.1 45.1#





#7

Phenol-d6

Concen: 134.773 ng

RT: 7.85 min Scan# 777

Delta R.T. -0.02 min

Lab File: BG032109.D

Acq: 17 Jan 2018 20:28

Instrument :

BNA_G

ClientSampleId :

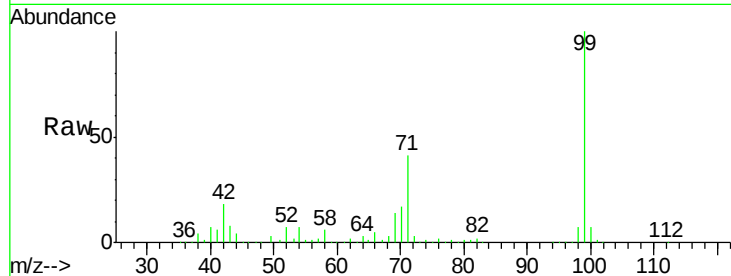
Tot Ion: 99 Resp: 636055

Ion Ratio Lower Upper

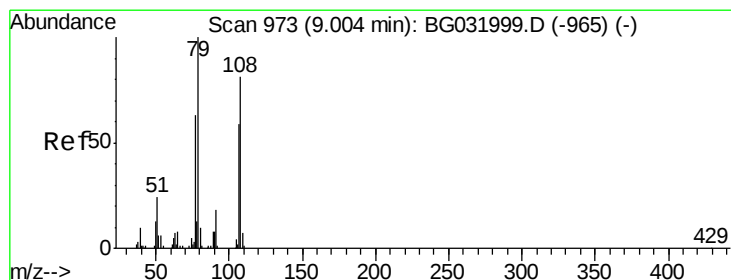
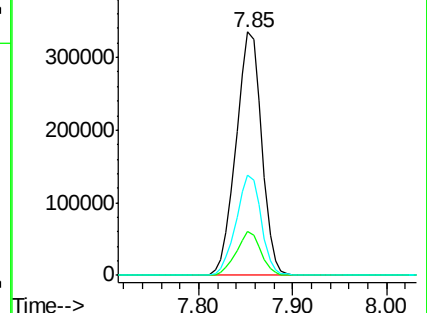
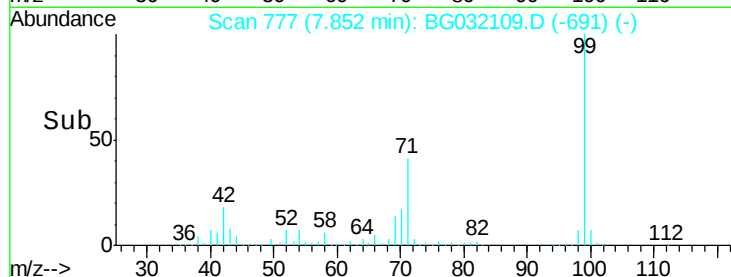
99 100

42 17.9 14.1 21.1

71 41.0 26.1 39.1#



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



#15

Benzyl Alcohol

Concen: 2.297 ng

RT: 9.08 min Scan# 986

Delta R.T. 0.08 min

Lab File: BG032109.D

Acq: 17 Jan 2018 20:28

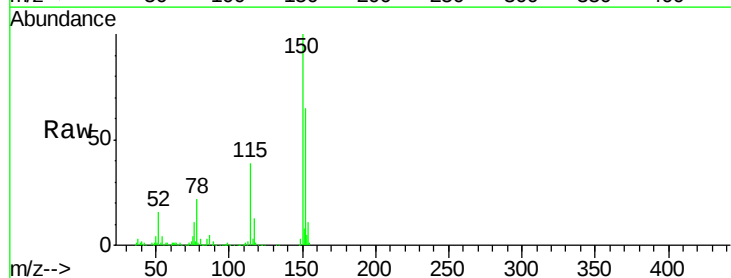
Tgt Ion: 79 Resp: 7874

Ion Ratio Lower Upper

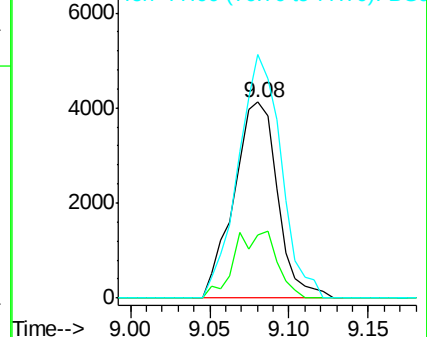
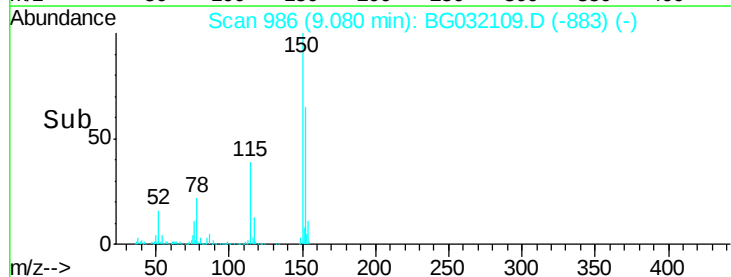
79 100

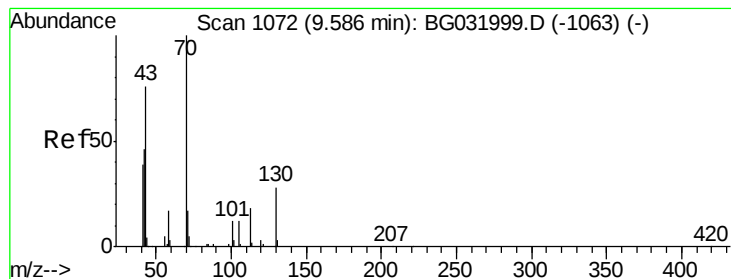
108 32.1 57.2 85.8#

77 124.4 46.1 69.1#



Abundance Ion 79.00 (78.70 to 79.70): BGC
Ion 108.00 (107.70 to 108.70): BGC
Ion 77.00 (76.70 to 77.70): BGC





#19

n-Nitroso-di-n-propylamine

Concen: 20.378 ng

RT: 9.94 min Scan# 1133

Delta R.T. 0.36 min

Lab File: BG032109.D

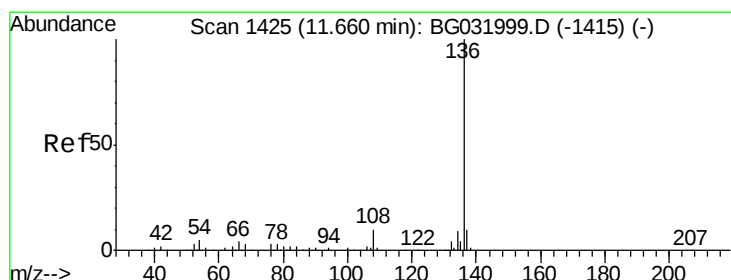
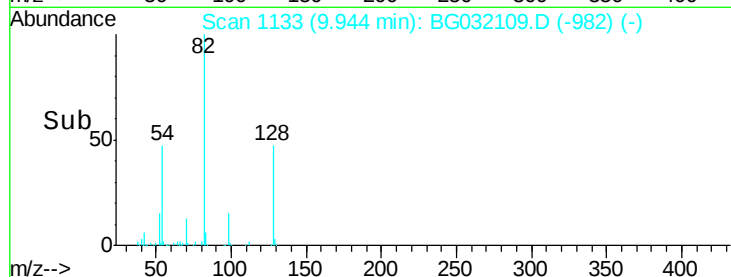
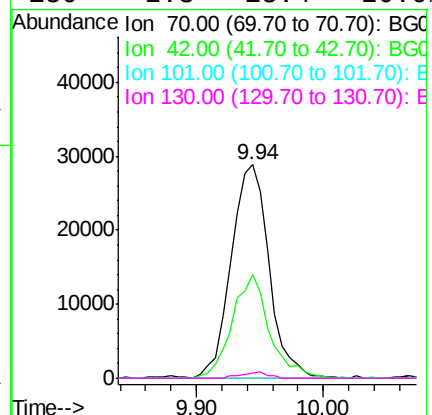
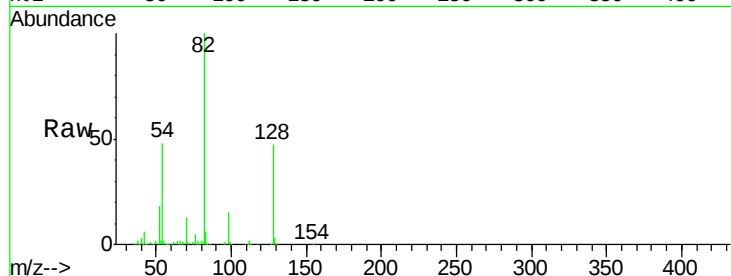
Acq: 17 Jan 2018 20:28

Instrument :

BNA_G

ClientSampleId :

Tot Ion:	70	Resp:	59671
Ion	Ratio	Lower	Upper
70	100		
42	48.4	49.1	73.7#
101	0.0	8.5	12.7#
130	2.3	13.4	20.0#



#21

Naphthalene-d8

Concen: 20.000 ng

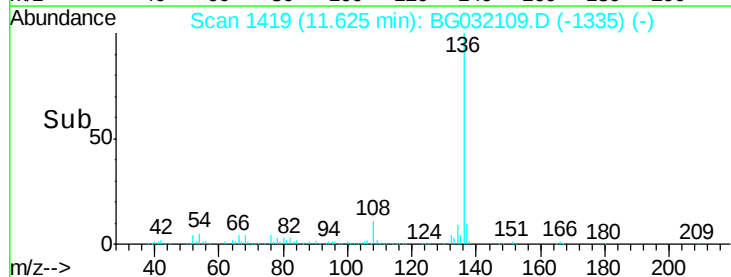
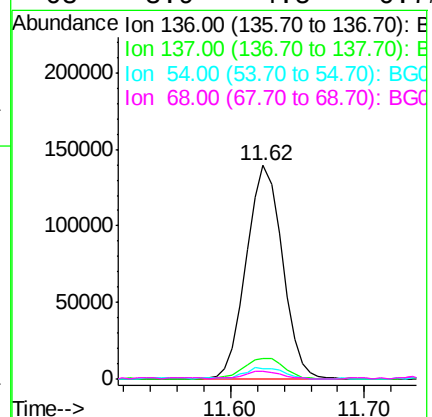
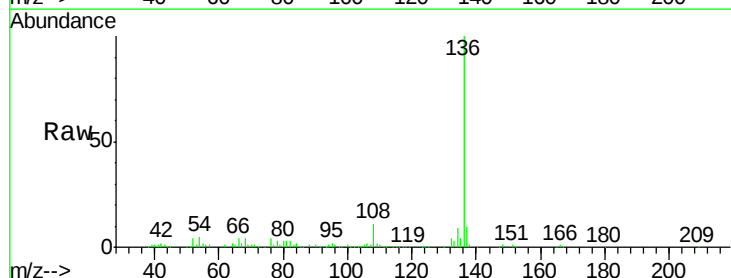
RT: 11.62 min Scan# 1419

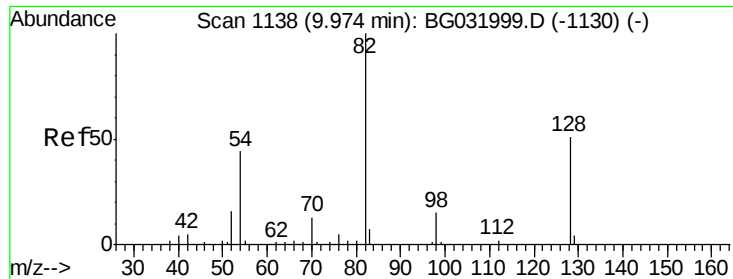
Delta R.T. -0.04 min

Lab File: BG032109.D

Acq: 17 Jan 2018 20:28

Tgt Ion:	136	Resp:	260990
Ion	Ratio	Lower	Upper
136	100		
137	9.8	9.2	13.8
54	5.1	10.3	15.5#
68	3.9	4.5	6.7#

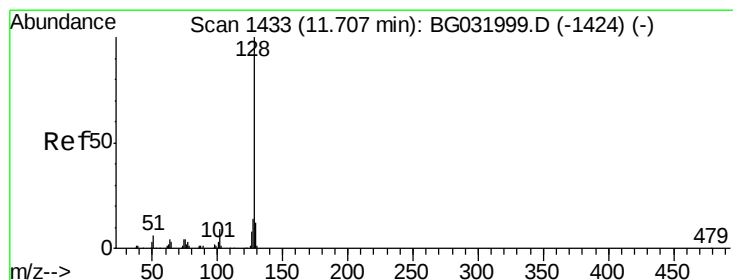
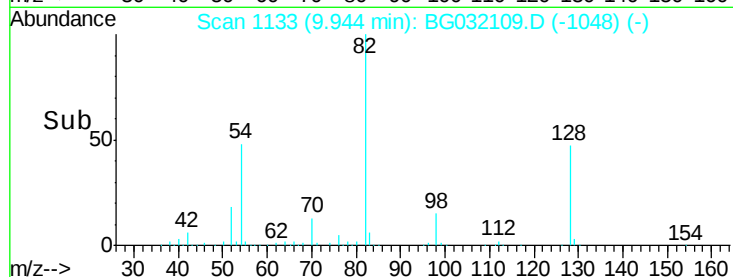
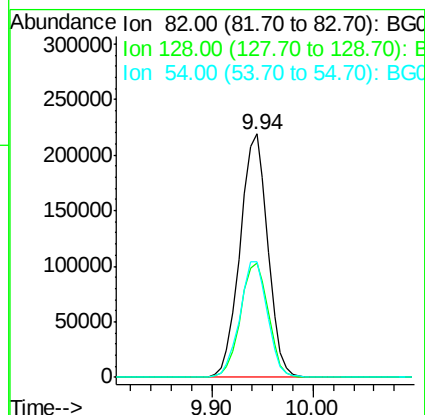
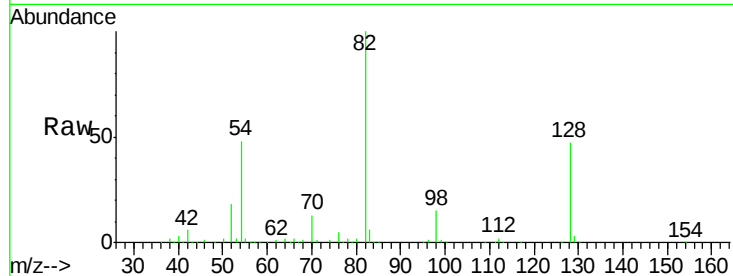




#23
 Nitrobenzene-d5
 Concen: 107.527 ng
 RT: 9.94 min Scan# 1133
 Delta R.T. -0.03 min
 Lab File: BG032109.D
 Acq: 17 Jan 2018 20:28

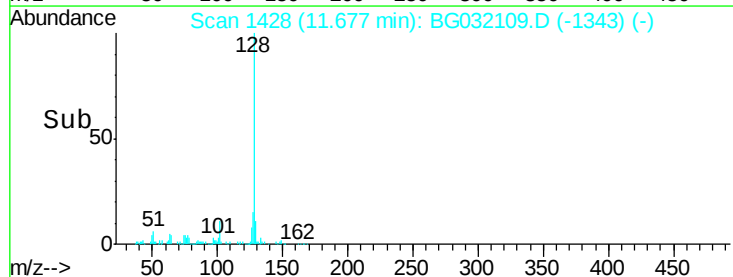
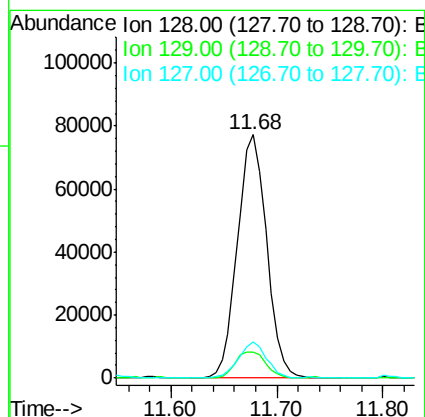
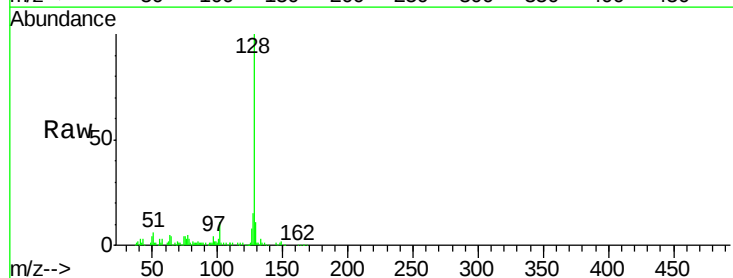
Instrument :
 BNA_G
 ClientSampled :

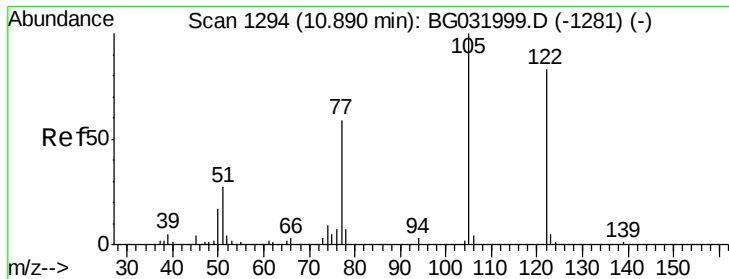
Tot Ion	82	Resp	414806
Ion Ratio	100	Lower	Upper
128	46.8	29.7	44.5#
54	47.5	43.1	64.7



#31
 Naphthalene
 Concen: 11.430 ng
 RT: 11.68 min Scan# 1428
 Delta R.T. -0.03 min
 Lab File: BG032109.D
 Acq: 17 Jan 2018 20:28

Tgt Ion	128	Resp	147775
Ion Ratio	100	Lower	Upper
129	10.7	8.6	12.8
127	15.1	11.6	17.4

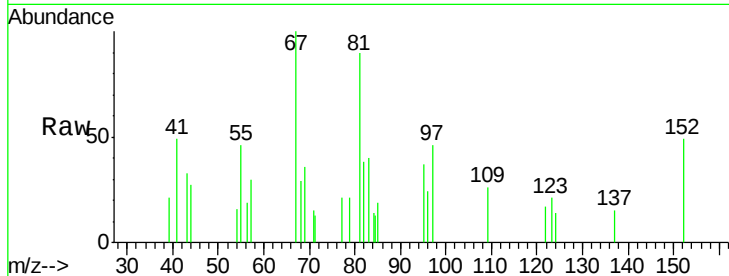




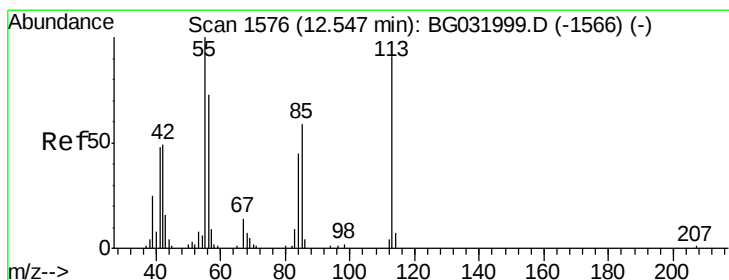
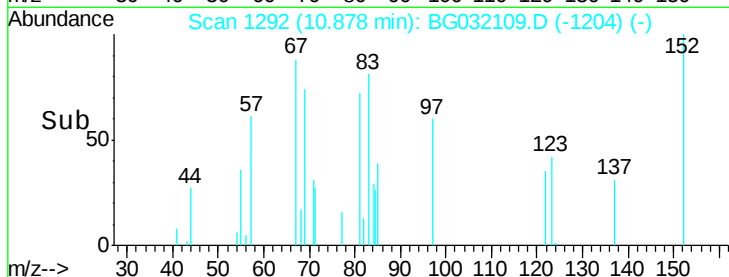
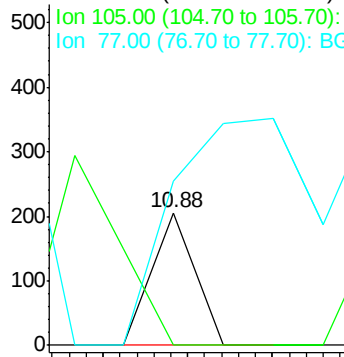
#32
Benzoic acid
Concen: 5.278 ng
RT: 10.88 min Scan# 1292
Delta R.T. -0.01 min
Lab File: BG032109.D
Acq: 17 Jan 2018 20:28

Instrument :
BNA_G
ClientSampleId :

Tot Ion:122 Resp: 73
Ion Ratio Lower Upper
122 100
105 0.0 123.5 163.5#
77 123.8 85.7 125.7

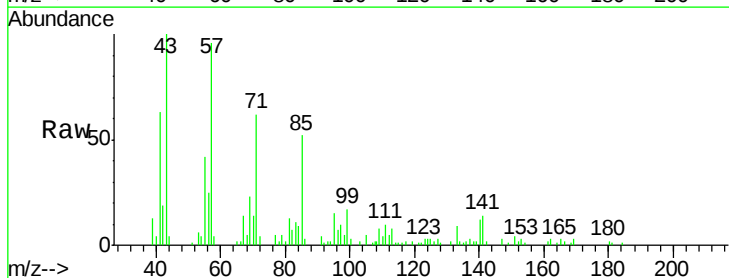


Abundance Ion 122.00 (121.70 to 122.70): E
Ion 105.00 (104.70 to 105.70): E
Ion 77.00 (76.70 to 77.70): BGC

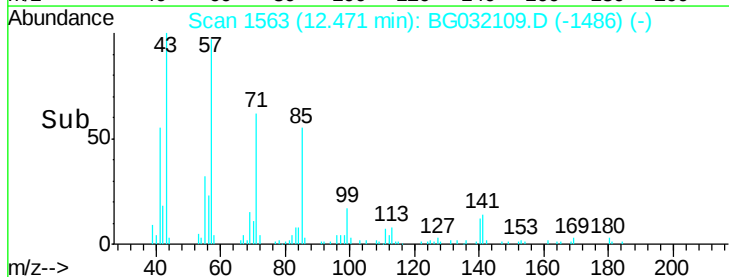
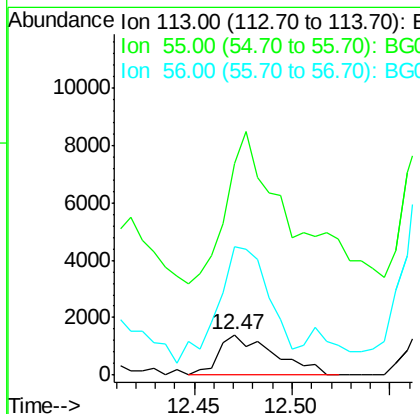


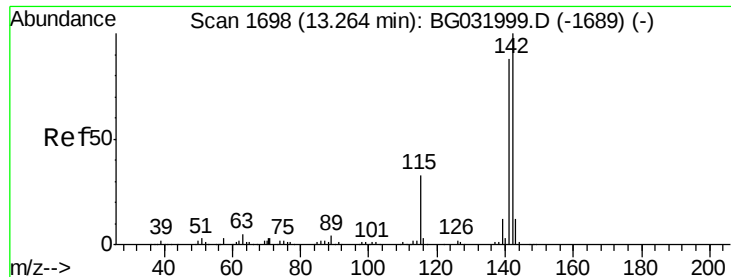
#35
Caprolactam
Concen: 2.027 ng
RT: 12.47 min Scan# 1563
Delta R.T. -0.08 min
Lab File: BG032109.D
Acq: 17 Jan 2018 20:28

Tgt Ion:113 Resp: 2738
Ion Ratio Lower Upper
113 100
55 526.8 186.9 226.9#
56 319.2 130.9 170.9#



Abundance Ion 113.00 (112.70 to 113.70): E
Ion 55.00 (54.70 to 55.70): BGC
Ion 56.00 (55.70 to 56.70): BGC

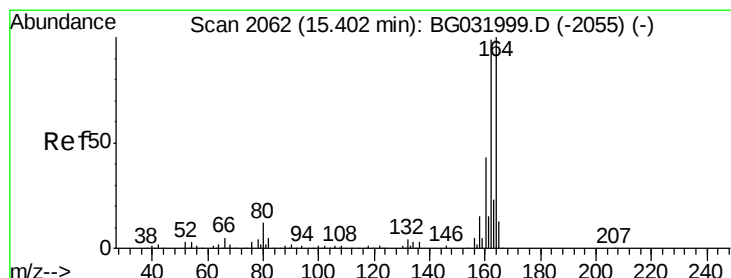
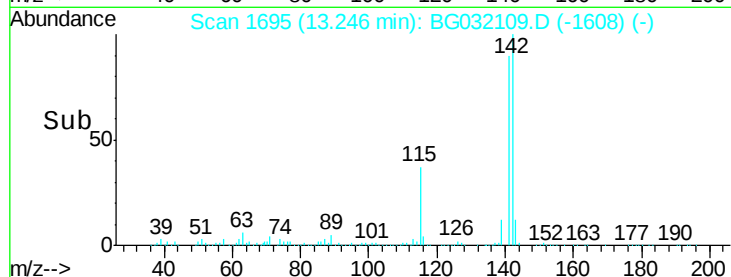
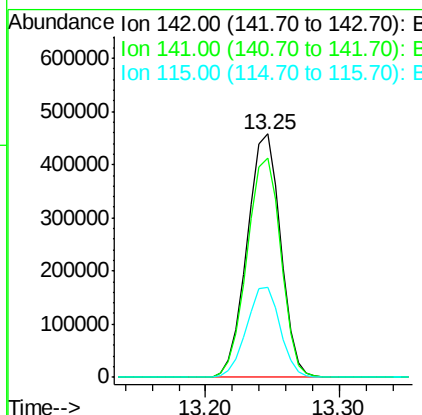
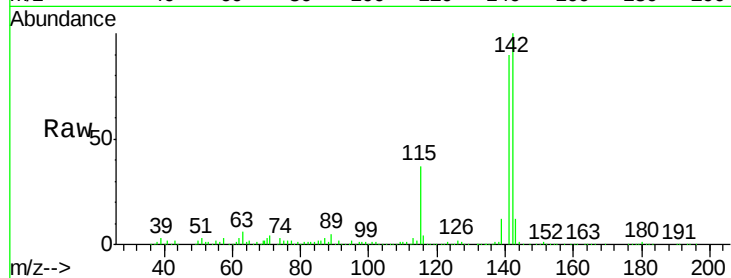




#37
2-Methylnaphthalene
Concen: 77.128 ng
RT: 13.25 min Scan# 1695
Delta R.T. -0.02 min
Lab File: BG032109.D
Acq: 17 Jan 2018 20:28

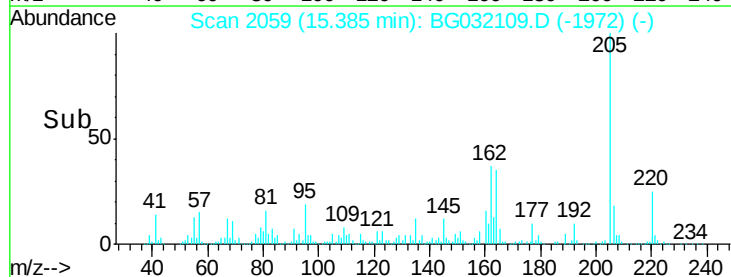
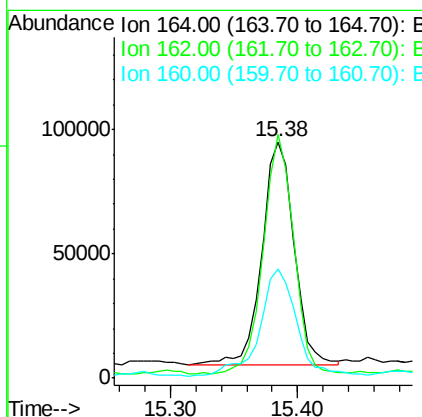
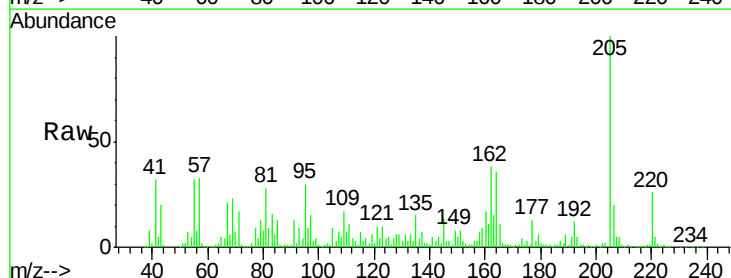
Instrument :
BNA_G
ClientSampleId :

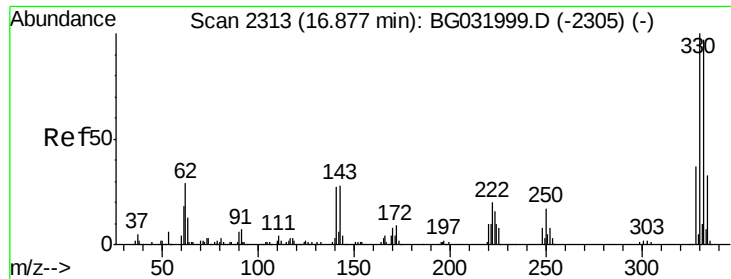
Tot Ion:142 Resp: 791679
Ion Ratio Lower Upper
142 100
141 90.0 67.1 100.7
115 36.9 30.7 46.1



#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 15.38 min Scan# 2059
Delta R.T. -0.02 min
Lab File: BG032109.D
Acq: 17 Jan 2018 20:28

Tgt Ion:164 Resp: 156777
Ion Ratio Lower Upper
164 100
162 103.1 78.8 118.2
160 46.4 35.4 53.0

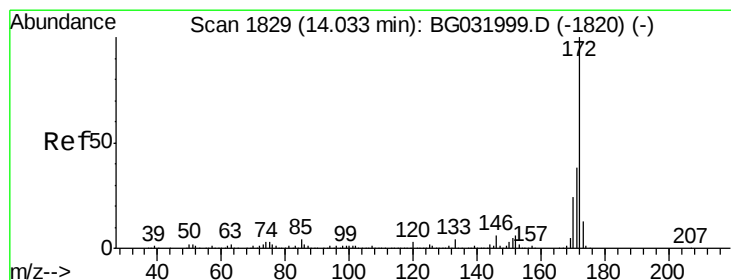
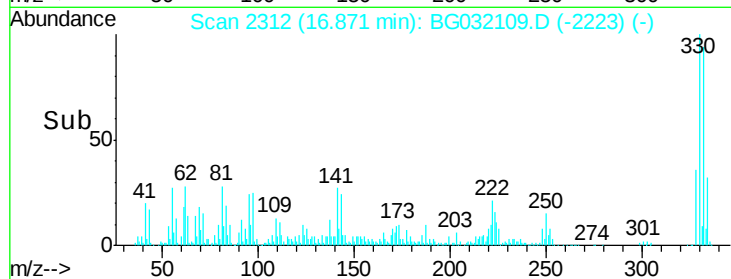
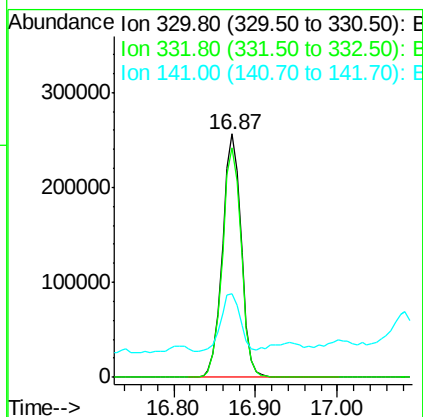
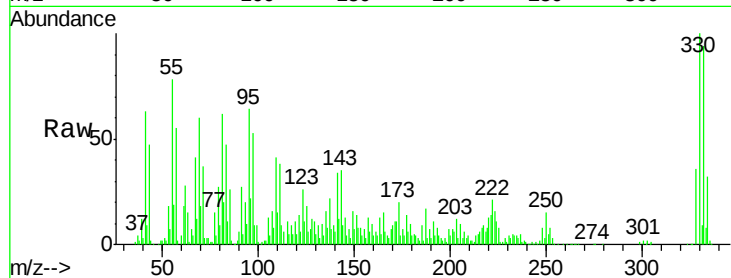




#41
 2,4,6-Tribromophenol
 Concen: 156.792 ng
 RT: 16.87 min Scan# 2312
 Delta R.T. -0.01 min
 Lab File: BG032109.D
 Acq: 17 Jan 2018 20:28

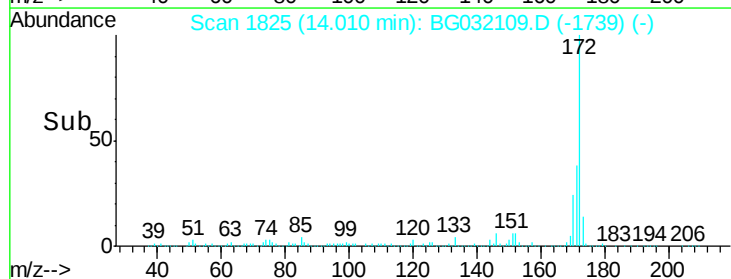
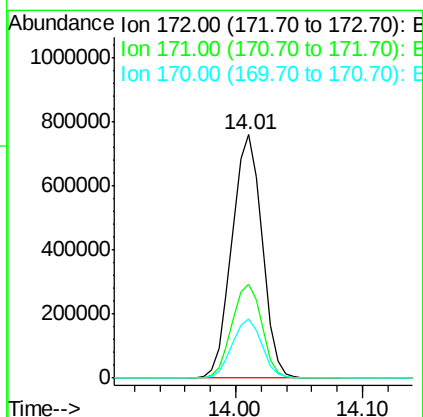
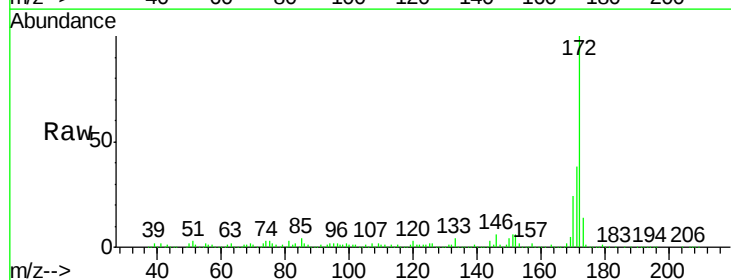
Instrument :
 BNA_G
 ClientSampleId :

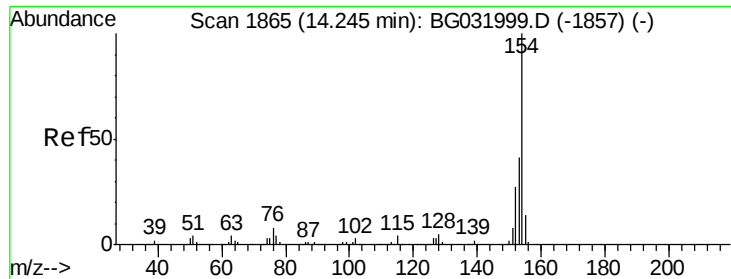
Tot Ion:330 Resp: 406765
 Ion Ratio Lower Upper
 330 100
 332 95.1 77.0 115.6
 141 24.3 25.2 37.8#



#44
 2-Fluorobiphenyl
 Concen: 98.709 ng
 RT: 14.01 min Scan# 1825
 Delta R.T. -0.02 min
 Lab File: BG032109.D
 Acq: 17 Jan 2018 20:28

Tgt Ion:172 Resp: 1248061
 Ion Ratio Lower Upper
 172 100
 171 38.3 30.0 45.0
 170 24.4 19.5 29.3

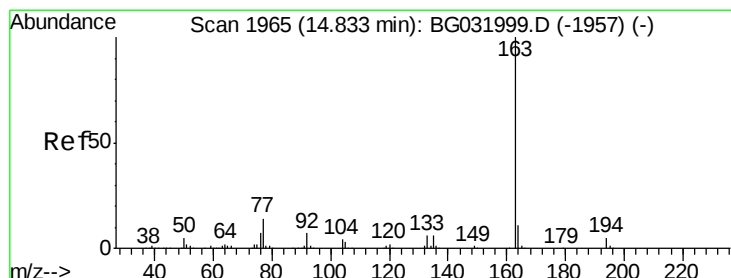
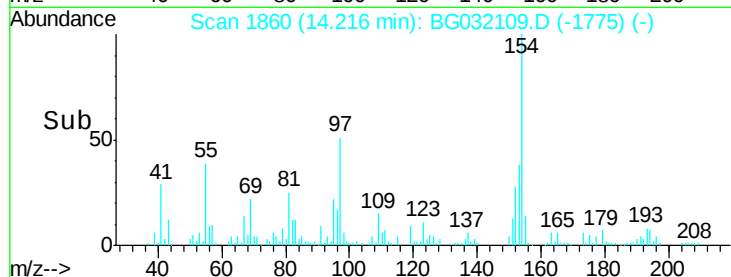
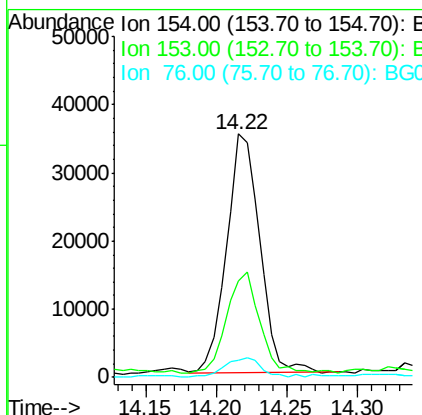
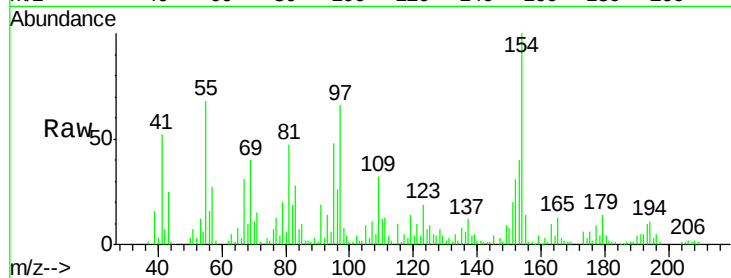




#45
 1,1'-Biphenyl
 Concen: 4.295 ng
 RT: 14.22 min Scan# 1860
 Delta R.T. -0.03 min
 Lab File: BG032109.D
 Acq: 17 Jan 2018 20:28

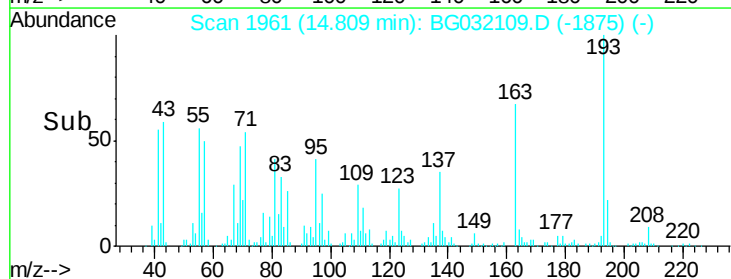
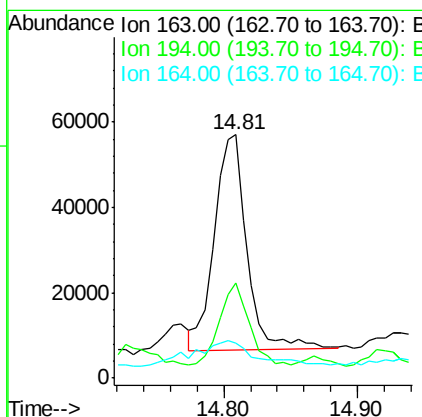
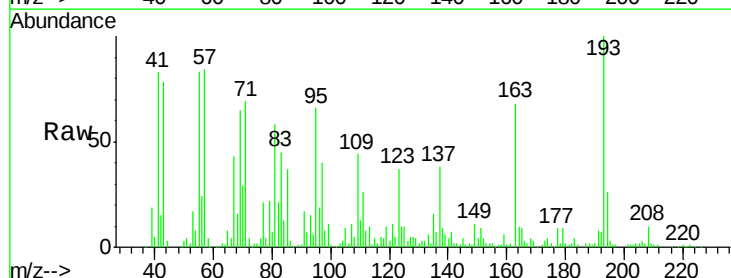
Instrument :
 BNA_G
 ClientSampled :

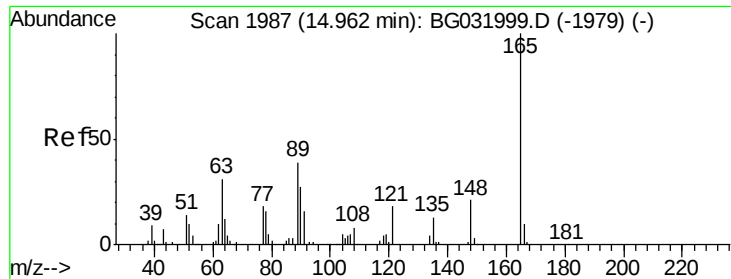
Tot Ion:154 Resp: 57722
 Ion Ratio Lower Upper
 154 100
 153 39.7 19.8 59.8
 76 6.9 0.0 31.9



#49
 Dimethylphthalate
 Concen: 6.320 ng
 RT: 14.81 min Scan# 1961
 Delta R.T. -0.02 min
 Lab File: BG032109.D
 Acq: 17 Jan 2018 20:28

Tgt Ion:163 Resp: 86701
 Ion Ratio Lower Upper
 163 100
 194 38.8 3.4 5.2#
 164 14.5 8.2 12.4#

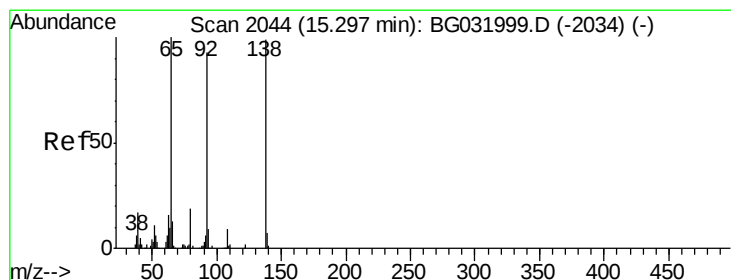
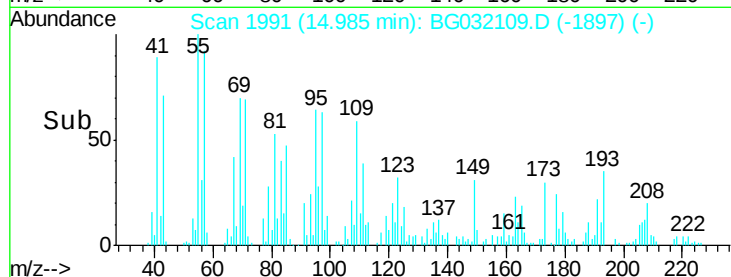
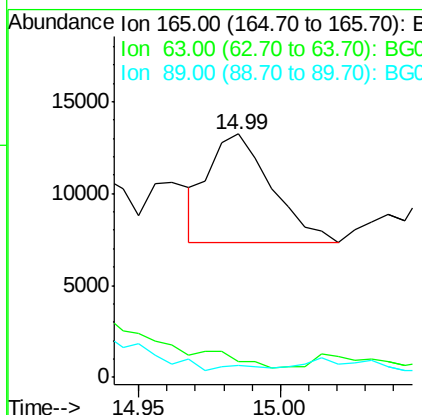
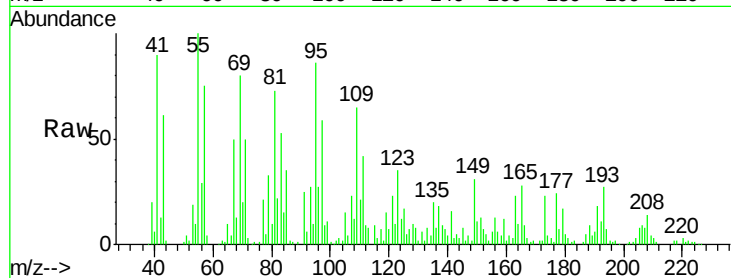




#50
 2,6-Dinitrotoluene
 Concen: 3.182 ng
 RT: 14.99 min Scan# 1991
 Delta R.T. 0.02 min
 Lab File: BG032109.D
 Acq: 17 Jan 2018 20:28

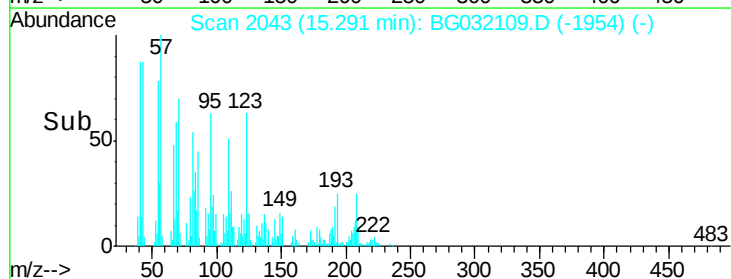
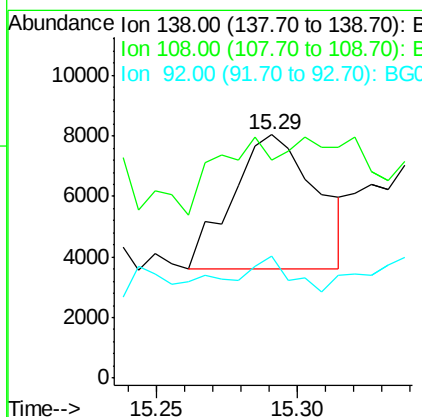
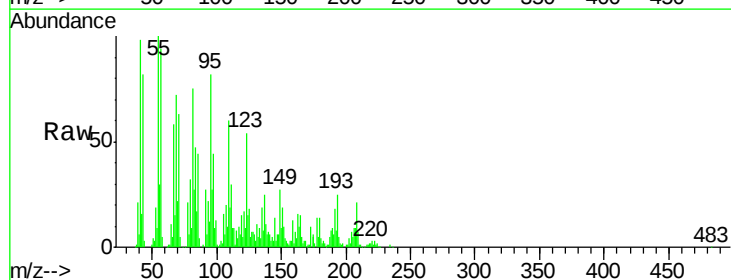
Instrument :
 BNA_G
 ClientSampleId :

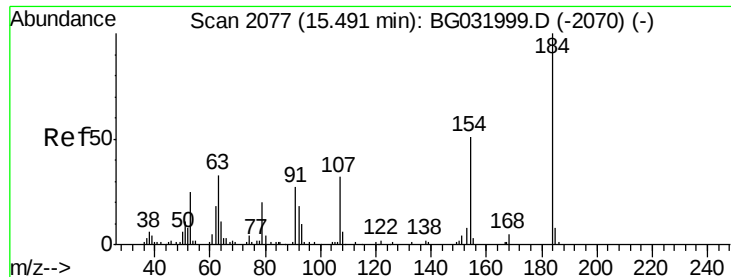
Tot Ion:165 Resp: 9060
 Ion Ratio Lower Upper
 165 100
 63 6.3 52.7 79.1#
 89 5.0 49.2 73.8#



#52
 3-Nitroaniline
 Concen: 3.589 ng
 RT: 15.29 min Scan# 2043
 Delta R.T. -0.01 min
 Lab File: BG032109.D
 Acq: 17 Jan 2018 20:28

Tgt Ion:138 Resp: 9231
 Ion Ratio Lower Upper
 138 100
 108 89.3 17.5 26.3#
 92 49.9 105.8 158.8#

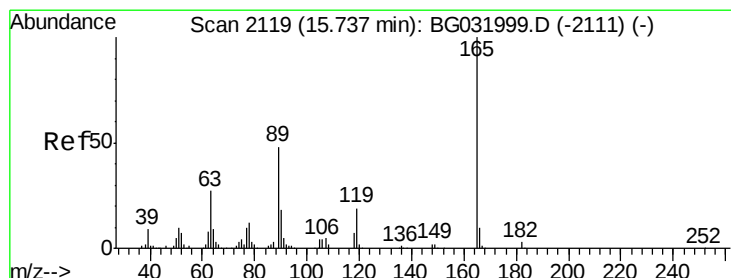
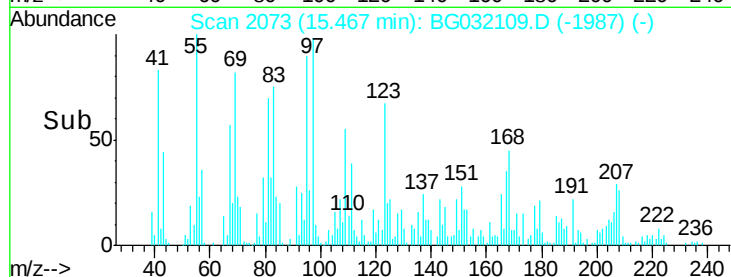
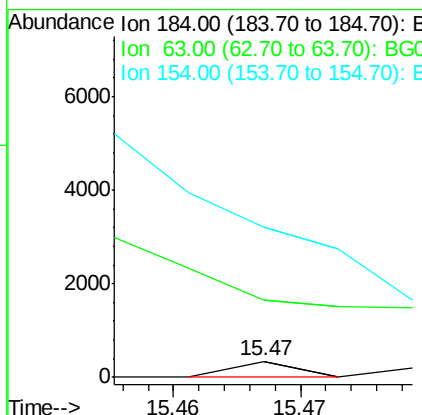
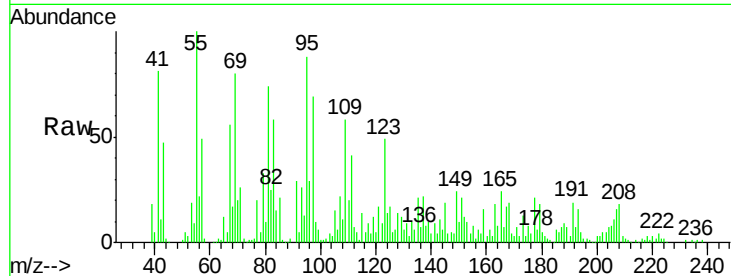




#53
2,4-Dinitrophenol
Concen: 7.040 ng
RT: 15.47 min Scan# 2073
Delta R.T. -0.02 min
Lab File: BG032109.D
Acq: 17 Jan 2018 20:28

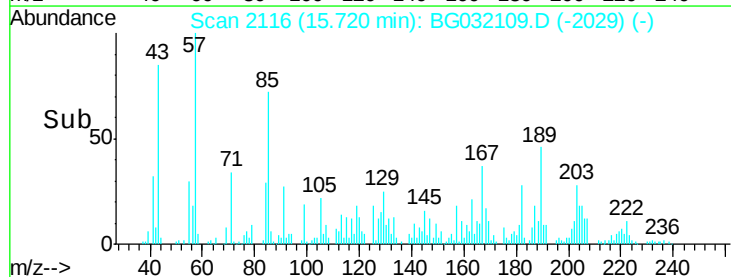
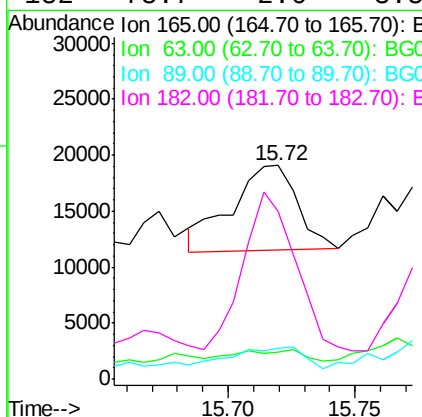
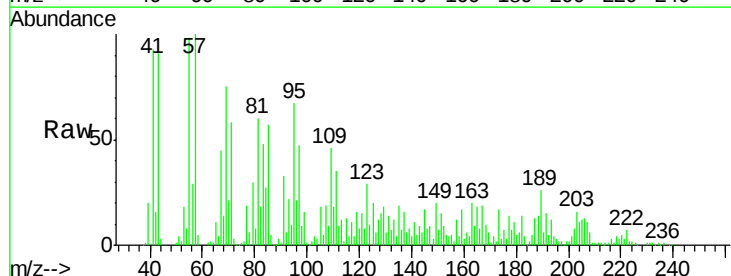
Instrument :
BNA_G
ClientSampleId :

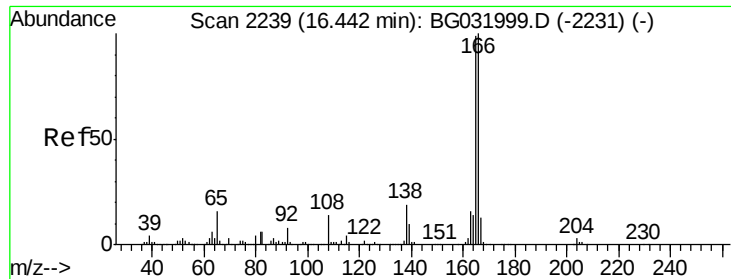
Tot Ion:184 Resp: 119
Ion Ratio Lower Upper
184 100
63 490.5 59.8 89.8#
154 956.4 101.8 152.8#



#56
2,4-Dinitrotoluene
Concen: 3.599 ng
RT: 15.72 min Scan# 2116
Delta R.T. -0.02 min
Lab File: BG032109.D
Acq: 17 Jan 2018 20:28

Tgt Ion:165 Resp: 13797
Ion Ratio Lower Upper
165 100
63 12.9 42.0 63.0#
89 14.6 66.9 100.3#
182 78.7 2.6 3.8#





#57

Fluorene

Concen: 2.479 ng

RT: 16.43 min Scan# 2237

Delta R.T. -0.01 min

Lab File: BG032109.D

Acq: 17 Jan 2018 20:28

Instrument :

BNA_G

ClientSampleId :

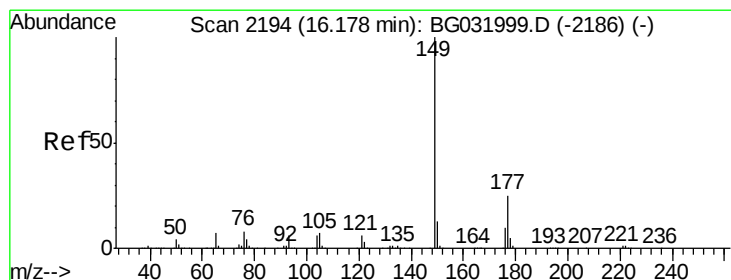
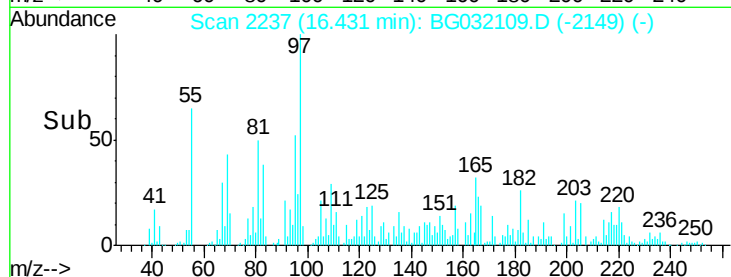
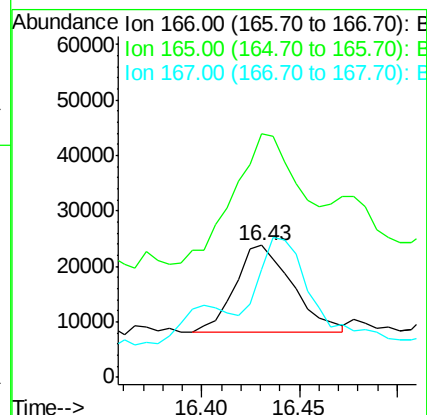
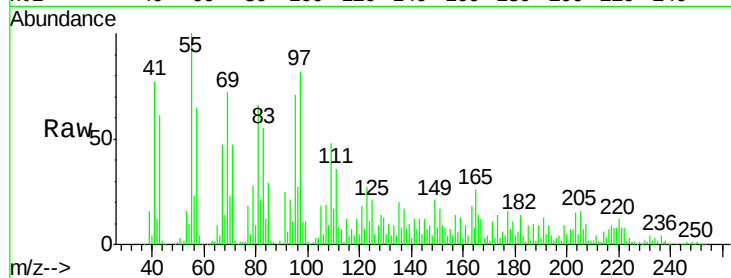
Tot Ion:166 Resp: 31932

Ion Ratio Lower Upper

166 100

165 184.2 80.6 121.0#

167 81.6 10.4 15.6#



#59

Diethylphthalate

Concen: 2.279 ng

RT: 16.17 min Scan# 2193

Delta R.T. -0.01 min

Lab File: BG032109.D

Acq: 17 Jan 2018 20:28

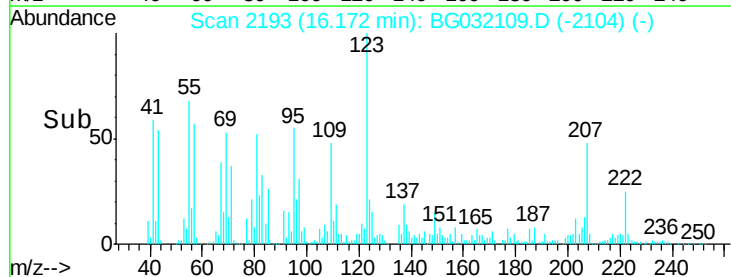
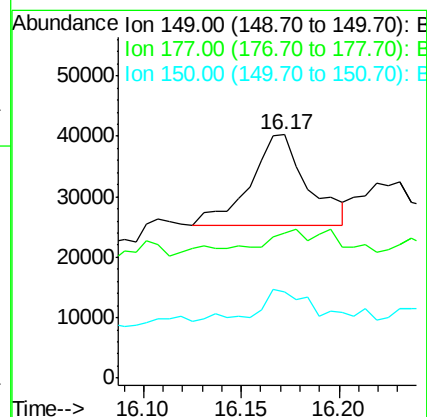
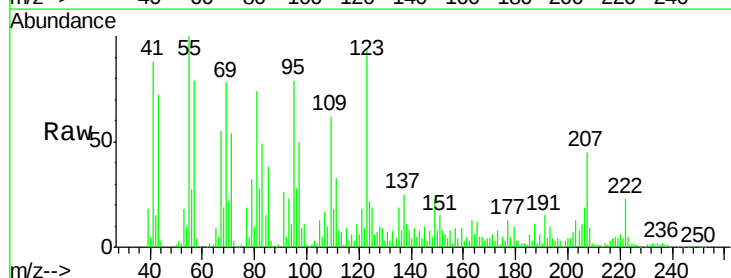
Tgt Ion:149 Resp: 30307

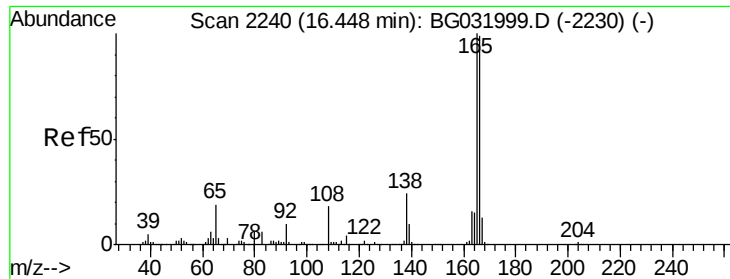
Ion Ratio Lower Upper

149 100

177 59.8 18.5 27.7#

150 35.6 10.2 15.2#

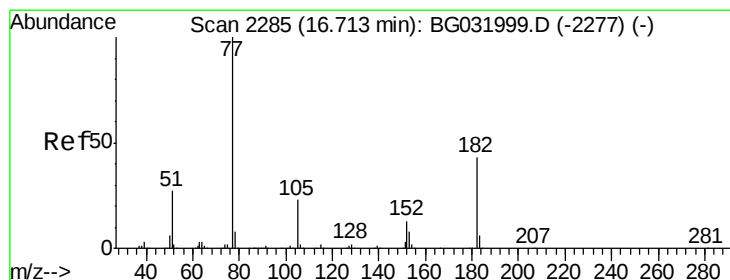
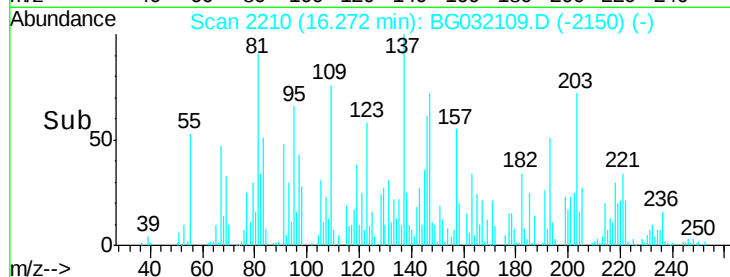
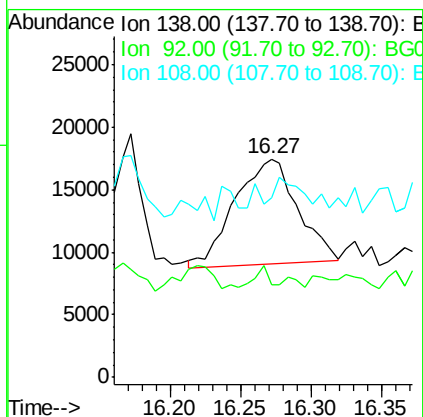
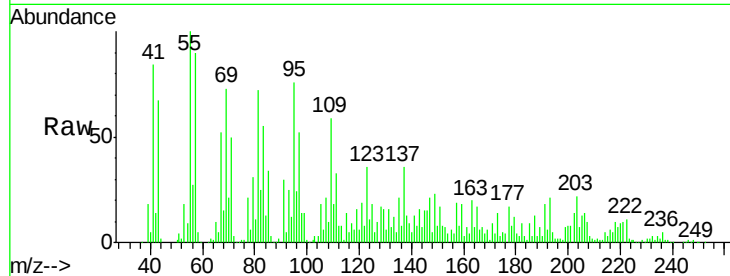




#61
4-Nitroaniline
Concen: 10.578 ng
RT: 16.27 min Scan# 2210
Delta R.T. -0.18 min
Lab File: BG032109.D
Acq: 17 Jan 2018 20:28

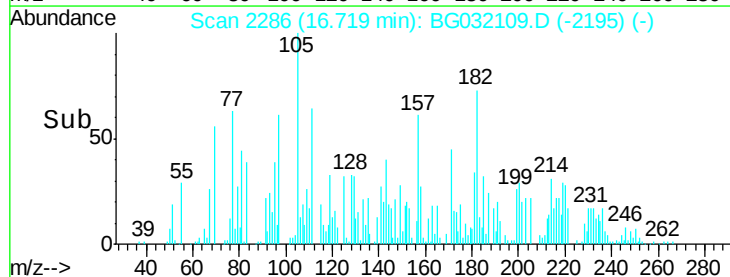
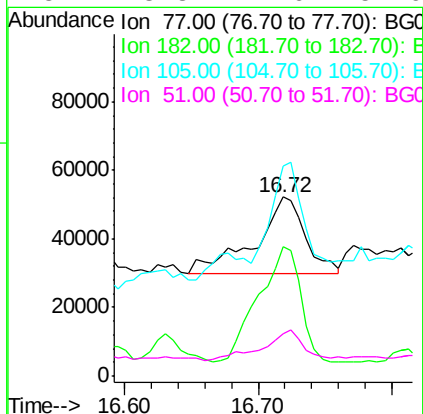
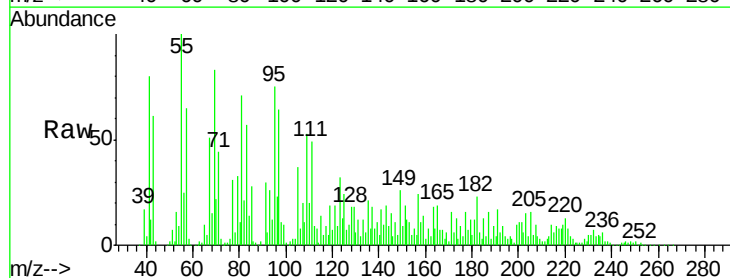
Instrument :
BNA_G
ClientSampled :

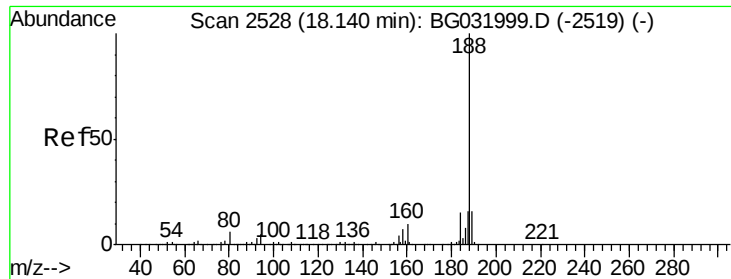
Tot Ion:138 Resp: 26099
Ion Ratio Lower Upper
138 100
92 42.2 40.1 80.1
108 82.3 65.4 105.4



#62
Azobenzene
Concen: 7.069 ng
RT: 16.72 min Scan# 2286
Delta R.T. 0.01 min
Lab File: BG032109.D
Acq: 17 Jan 2018 20:28

Tgt Ion: 77 Resp: 58847
Ion Ratio Lower Upper
77 100
182 72.5 7.4 47.4#
105 117.4 0.3 40.3#
51 23.3 11.6 51.6





#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 18.14 min Scan# 2528

Delta R.T. -0.00 min

Lab File: BG032109.D

Acq: 17 Jan 2018 20:28

Instrument :

BNA_G

ClientSampled :

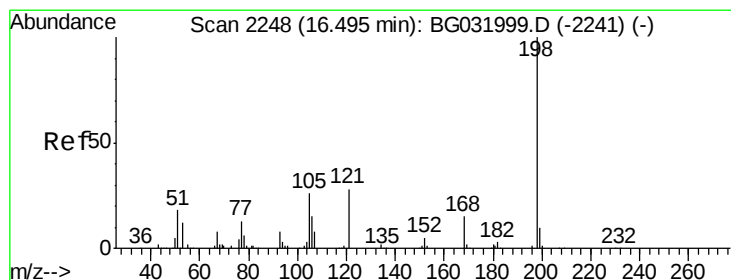
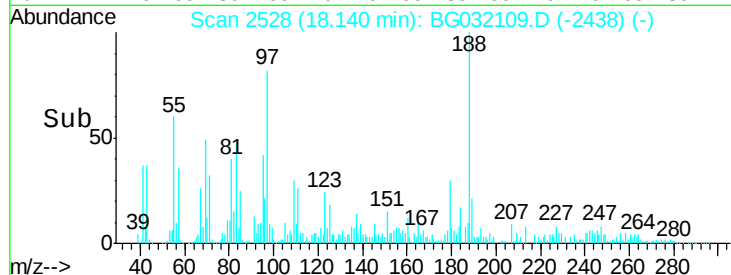
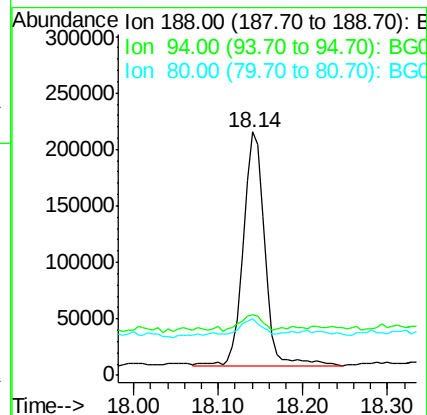
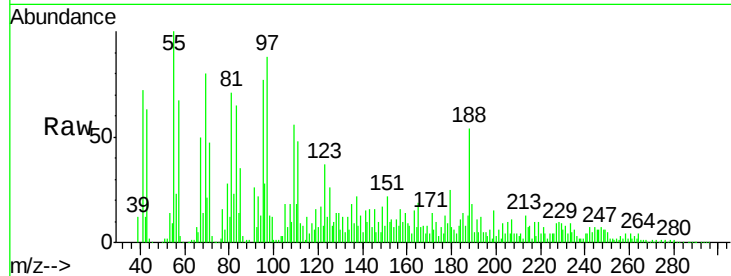
Tot Ion:188 Resp: 357601

Ion Ratio Lower Upper

188 100

94 24.9 6.9 10.3#

80 23.1 7.7 11.5#



#64

4,6-Dinitro-2-methylphenol

Concen: 6.945 ng

RT: 16.47 min Scan# 2243

Delta R.T. -0.03 min

Lab File: BG032109.D

Acq: 17 Jan 2018 20:28

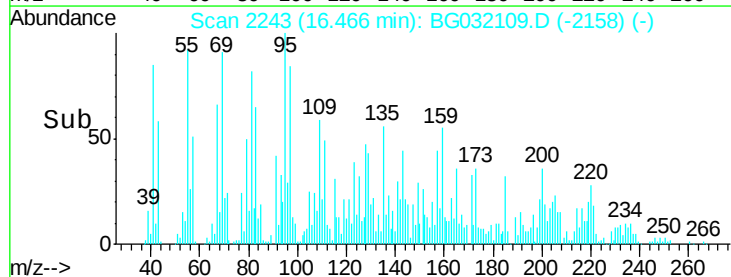
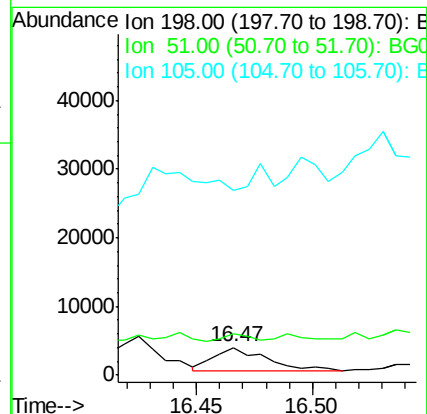
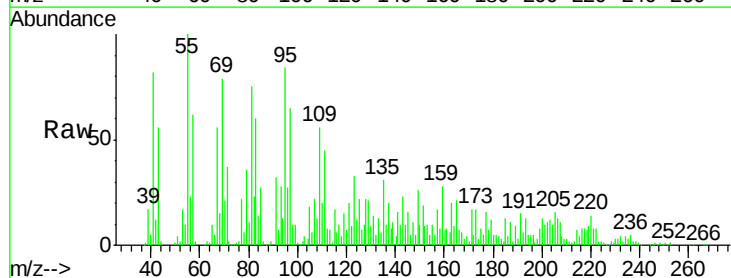
Tgt Ion:198 Resp: 5250

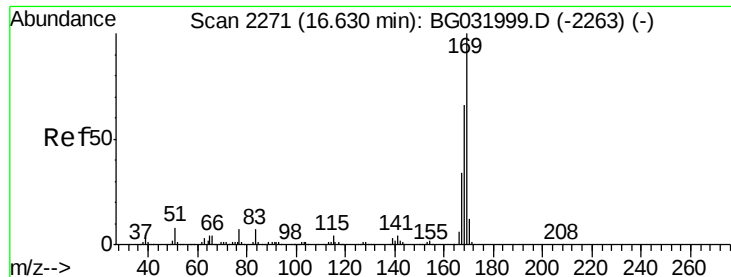
Ion Ratio Lower Upper

198 100

51 147.5 30.6 70.6#

105 666.8 23.8 63.8#

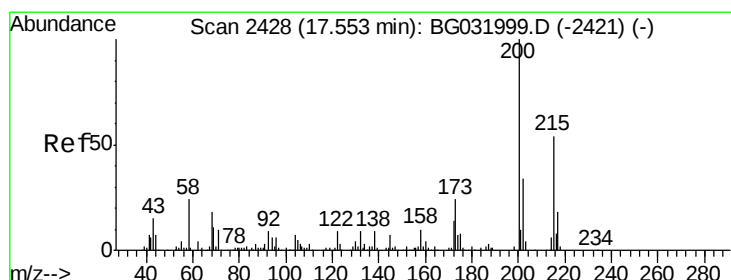
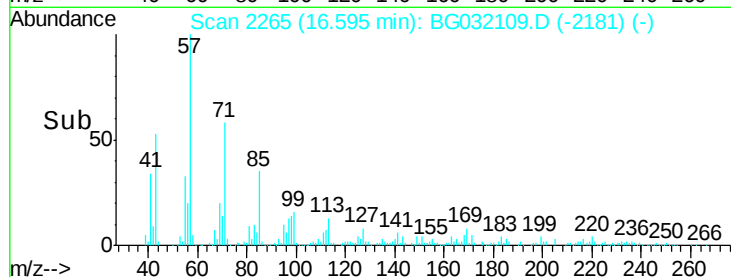
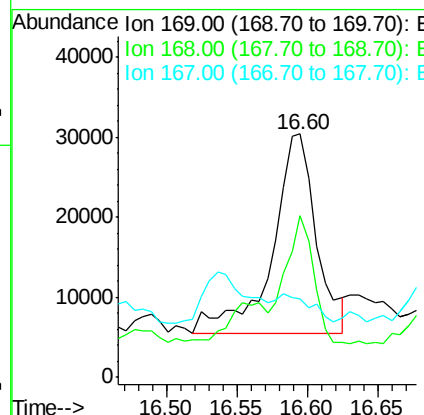
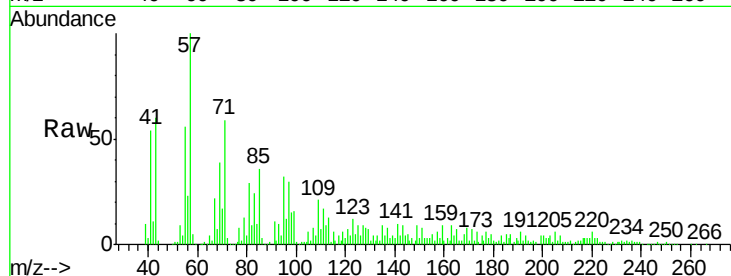




#65
n-Nitrosodiphenylamine
Concen: 5.019 ng
RT: 16.60 min Scan# 2265
Delta R.T. -0.04 min
Lab File: BG032109.D
Acq: 17 Jan 2018 20:28

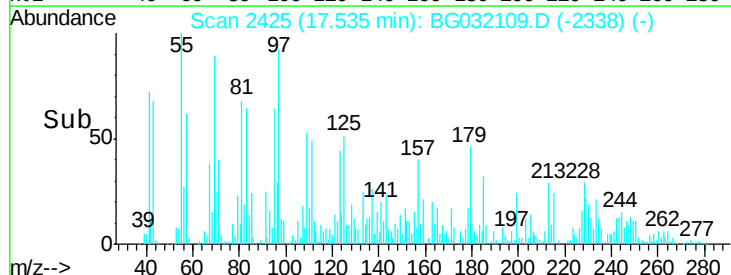
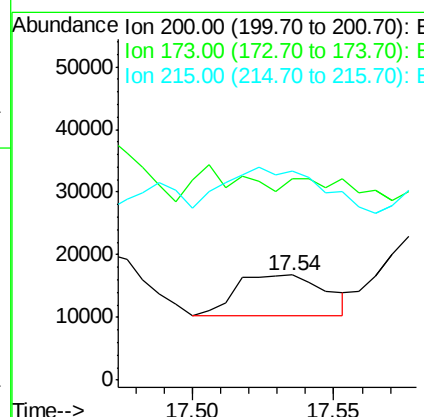
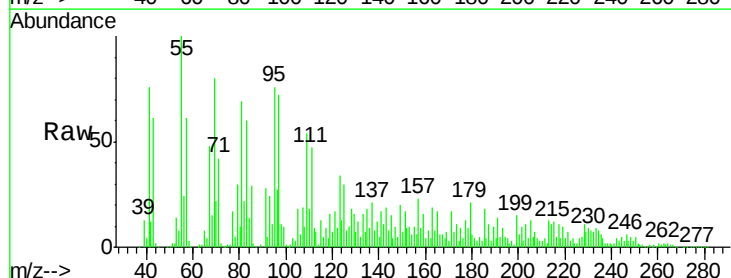
Instrument :
BNA_G
ClientSampleId :

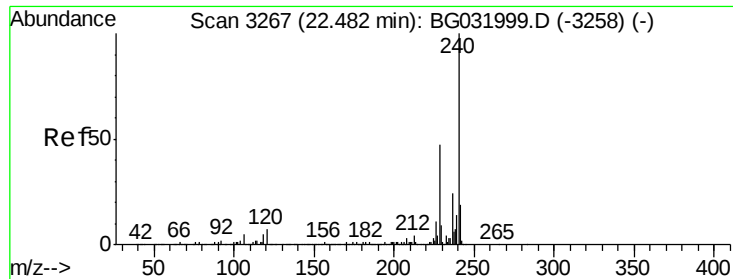
Tot Ion	Ratio	Lower	Upper
169	100		
168	66.4	55.7	83.5
167	32.2	30.1	45.1



#68
Atrazine
Concen: 3.221 ng
RT: 17.54 min Scan# 2425
Delta R.T. -0.02 min
Lab File: BG032109.D
Acq: 17 Jan 2018 20:28

Tgt Ion	Ratio	Lower	Upper
200	100		
173	191.4	5.2	45.2#
215	199.3	30.4	70.4#





#75

Chrysene-d12

Concen: 20.000 ng

RT: 22.47 min Scan# 3265

Delta R.T. -0.01 min

Lab File: BG032109.D

Acq: 17 Jan 2018 20:28

Instrument :

BNA_G

ClientSampleId :

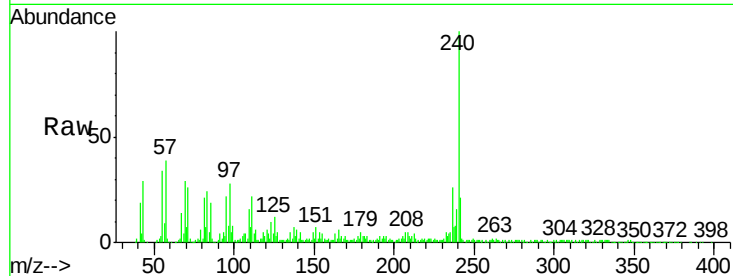
Tot Ion:240 Resp: 482158

Ion Ratio Lower Upper

240 100

120 6.0 6.8 10.2#

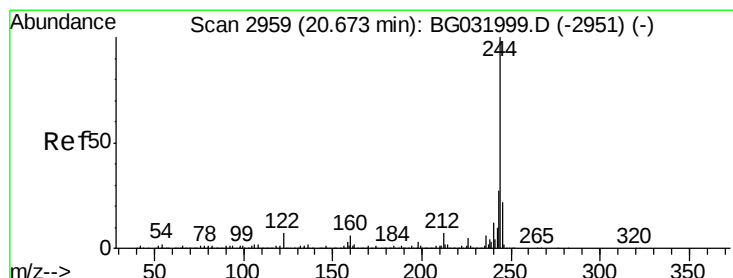
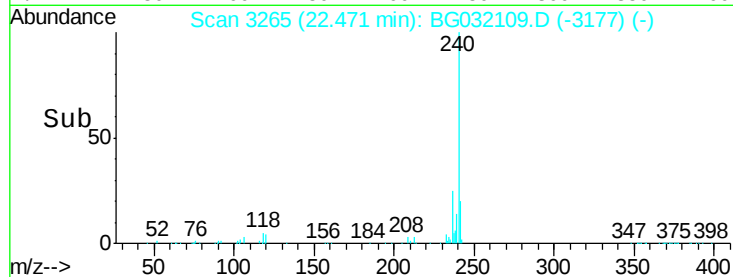
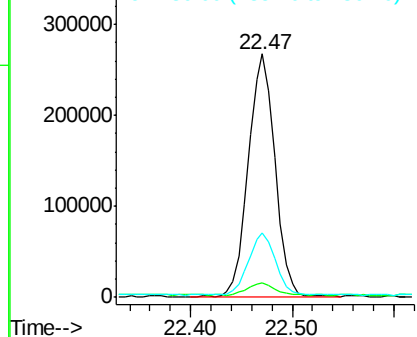
236 26.5 20.9 31.3



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



#78

Terphenyl-d14

Concen: 94.067 ng

RT: 20.67 min Scan# 2959

Delta R.T. -0.00 min

Lab File: BG032109.D

Acq: 17 Jan 2018 20:28

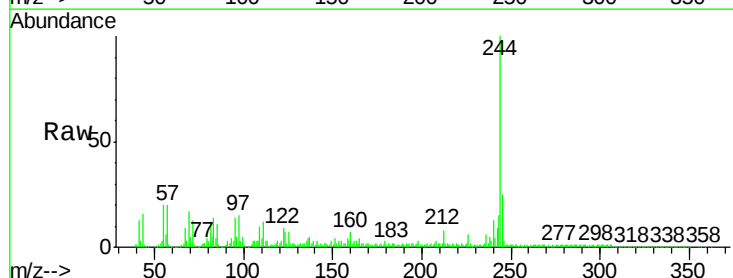
Tgt Ion:244 Resp: 2054077

Ion Ratio Lower Upper

244 100

212 8.4 5.8 8.8

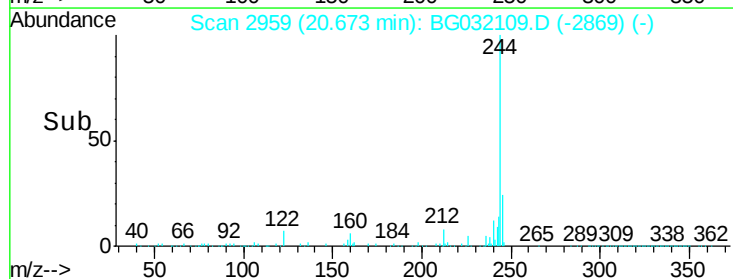
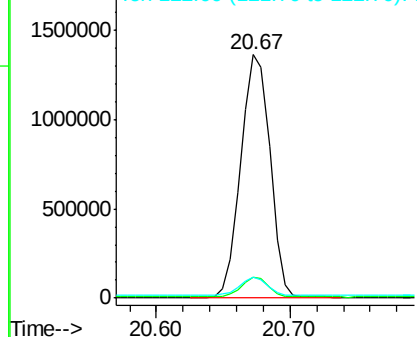
122 8.7 7.0 10.4

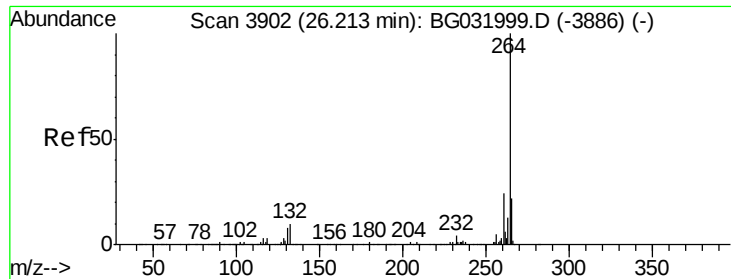


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

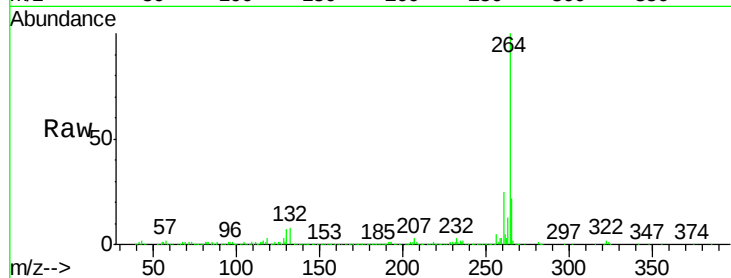




#86
 Pervlene-d12
 Concen: 20.000 ng
 RT: 26.16 min Scan# 3893
 Delta R.T. -0.05 min
 Lab File: BG032109.D
 Acq: 17 Jan 2018 20:28

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	25.0	17.4	26.0
265	21.9	17.7	26.5



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

