

Data Path : Z:\HPCHEM1\BNA G\DATA\BG073116\
 Data File : BG023360.D
 Acq On : 30 Jul 2016 16:48
 Operator : UM/SJ
 Sample : H4176-22
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Aug 01 01:23:48 2016
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG072616.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jul 27 17:30:33 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.14	152	253332	20.00	ng	0.00
21) Naphthalene-d8	10.98	136	1020536	20.00	ng	0.00
38) Acenaphthene-d10	14.82	164	514604	20.00	ng	0.01
63) Phenanthrene-d10	17.58	188	840077	20.00	ng	0.01
75) Chrysene-d12	21.90	240	936767	20.00	ng	0.01
86) Perylene-d12	25.31	264	1003305	20.00	ng	0.00

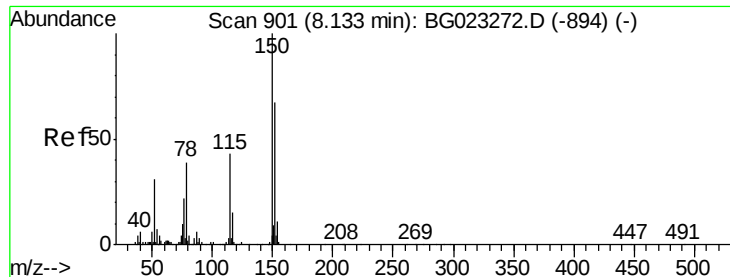
System Monitoring Compounds

5) 2-Fluorophenol	5.67	112	1249422	84.20	ng	0.00
7) Phenol-d6	7.29	99	1448079	63.56	ng	0.00
23) Nitrobenzene-d5	9.32	82	1891616	90.64	ng	0.00
41) 2,4,6-Tribromophenol	16.32	330	805483	151.23	ng	0.01
44) 2-Fluorobiphenyl	13.44	172	2726379	99.16	ng	0.01
78) Terphenyl-d14	20.18	244	2558167	88.77	ng	0.00

Target Compounds

						Qvalue
9) Benzaldehyde	7.27	77	34798	2.13	ng	# 46
18) Hexachloroethane	9.26	117	52312	6.60	ng	# 1
19) n-Nitroso-di-n-propylamine	8.90	70	44731	2.18	ng	# 76
22) Acetophenone	8.95	105	61308	2.30	ng	# 52
25) Isophorone	9.88	82	350608	8.13	ng	# 1
26) 2-Nitrophenol	10.07	139	46898	5.12	ng	# 1
32) Benzoic acid	10.29	122	24850	9.75	ng	# 22
36) 4-Chloro-3-methylphenol	12.27	107	47024	2.40	ng	# 31
49) Dimethylphthalate	14.25	163	133660	3.52	ng	# 20
50) 2,6-Dinitrotoluene	14.42	165	46616	5.24	ng	# 31
51) Acenaphthene	14.89	154	59326	2.08	ng	# 37
52) 3-Nitroaniline	14.72	138	36115	4.03	ng	# 21
55) 4-Nitrophenol	15.03	139	69865	8.99	ng	# 1
57) Fluorene	15.87	166	118612	3.32	ng	# 43
64) 4,6-Dinitro-2-methylphenol	15.91	198	18767	3.48	ng	# 1
65) n-Nitrosodiphenylamine	16.08	169	380277	16.96	ng	# 45
70) Phenanthrene	17.62	178	258657	7.04	ng	# 62
71) Anthracene	17.78	178	343995	9.27	ng	# 1
74) Fluoranthene	19.63	202	95582	2.28	ng	# 14
77) Pvrene	20.00	202	279273	5.25	ng	# 53
82) Chrysene	21.92	228	260741	5.50	ng	# 55

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



#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 8.14 min Scan# 902

Delta R.T. -0.00 min

Lab File: BG023360.D

Acq: 30 Jul 2016 16:48

Instrument :

BNA_G

ClientSampled :

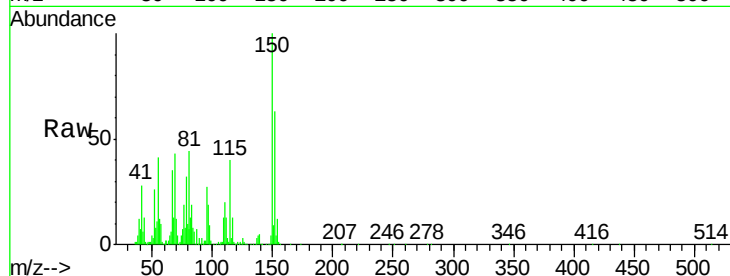
Tot Ion:152 Resp: 253332

Ion Ratio Lower Upper

152 100

150 158.6 144.7 217.1

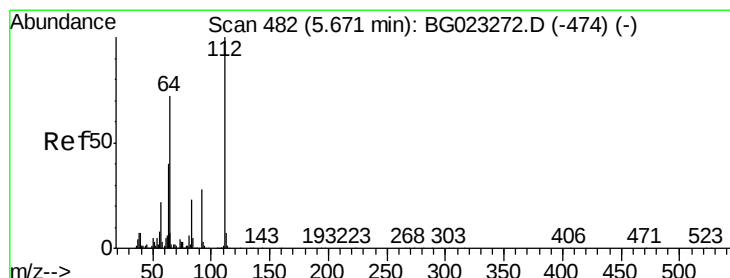
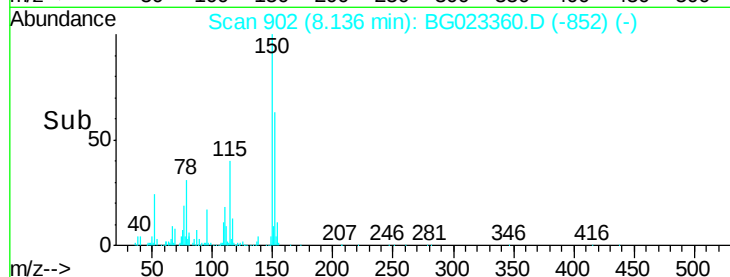
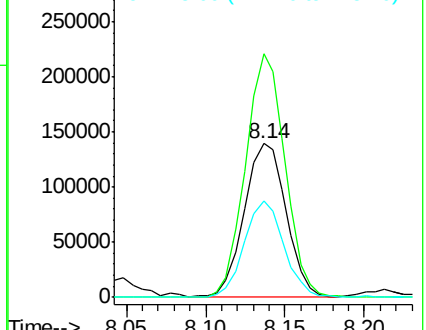
115 63.1 64.0 96.0#



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: 84.20 ng

RT: 5.67 min Scan# 483

Delta R.T. 0.00 min

Lab File: BG023360.D

Acq: 30 Jul 2016 16:48

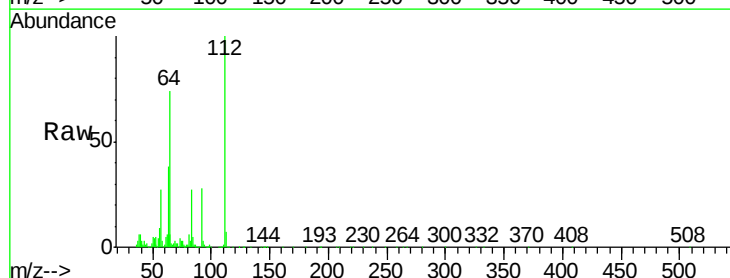
Tgt Ion:112 Resp: 1249422

Ion Ratio Lower Upper

112 100

64 73.8 59.0 88.4

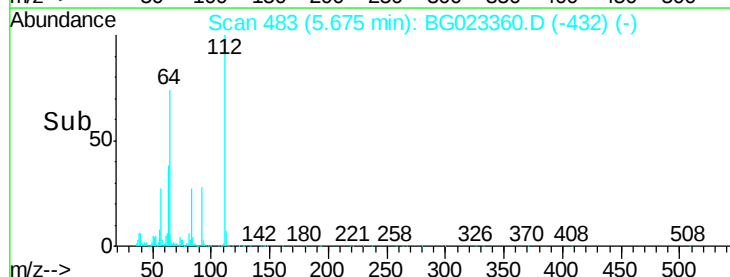
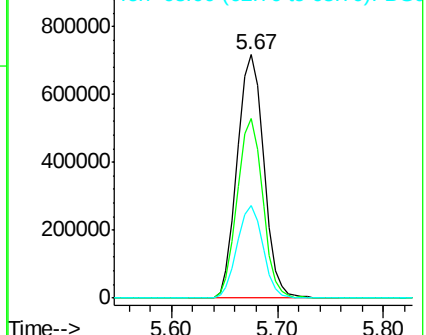
63 37.9 37.8 56.8

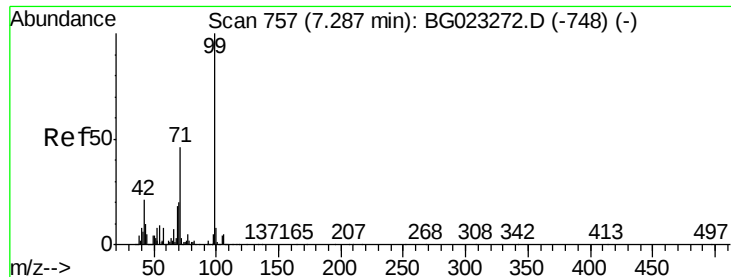


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BG0

Ion 63.00 (62.70 to 63.70): BG0





#7

Phenol-d6

Concen: 63.56 ng

RT: 7.29 min Scan# 758

Delta R.T. 0.00 min

Lab File: BG023360.D

Acq: 30 Jul 2016 16:48

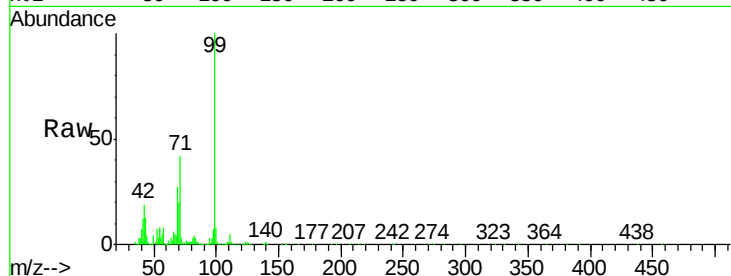
Instrument :

BNA_G

ClientSampleId :

Tot Ion: 99 Resp: 1448079

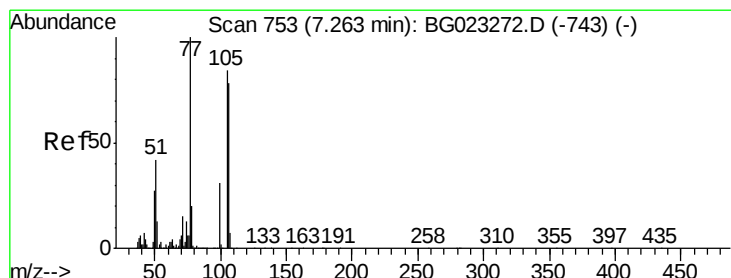
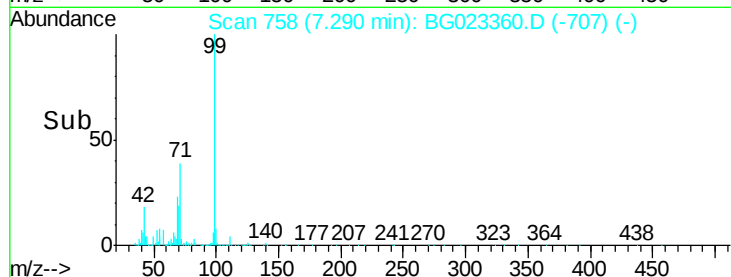
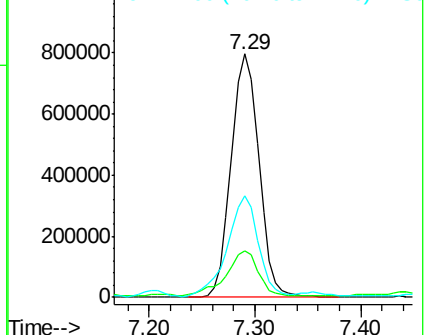
Ion	Ratio	Lower	Upper
99	100		
42	19.2	17.8	26.6
71	41.6	41.5	62.3



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



#9

Benzaldehyde

Concen: 2.13 ng

RT: 7.27 min Scan# 754

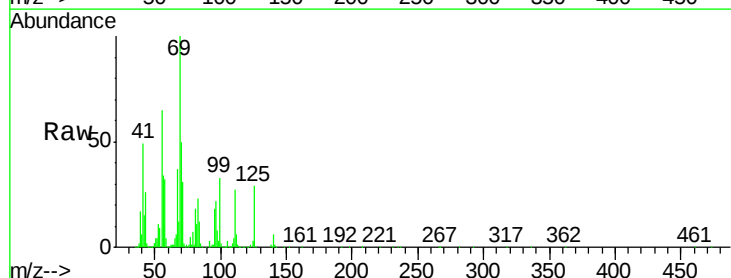
Delta R.T. -0.00 min

Lab File: BG023360.D

Acq: 30 Jul 2016 16:48

Tgt Ion: 77 Resp: 34798

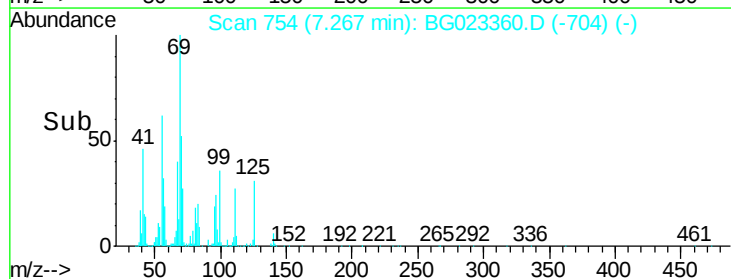
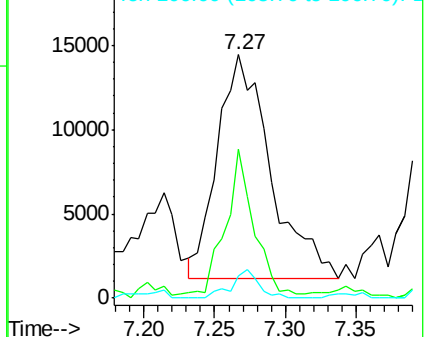
Ion	Ratio	Lower	Upper
77	100		
105	61.4	58.7	98.7
106	9.0	67.5	107.5

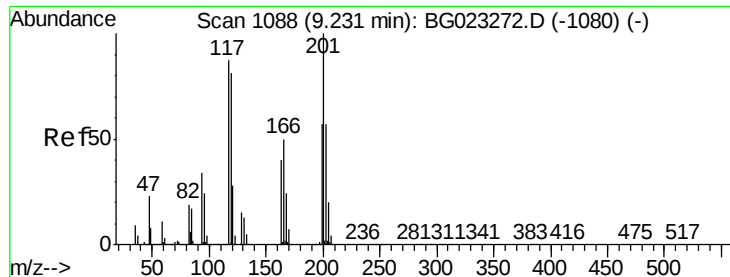


Abundance Ion 77.00 (76.70 to 77.70): BGC

Ion 105.00 (104.70 to 105.70): BGC

Ion 106.00 (105.70 to 106.70): BGC

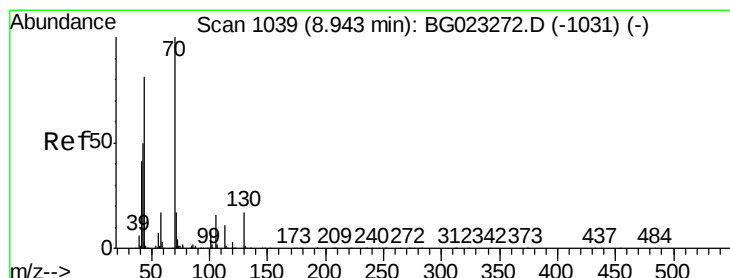
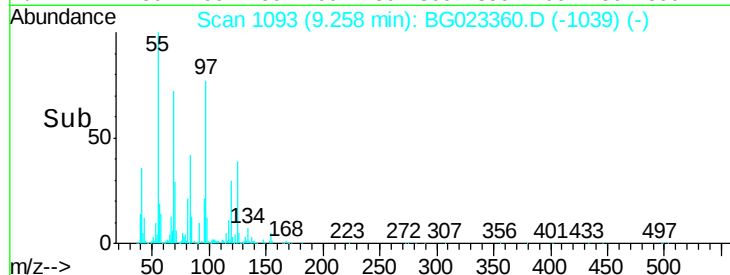
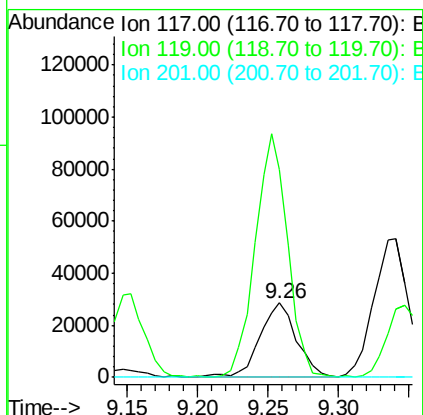
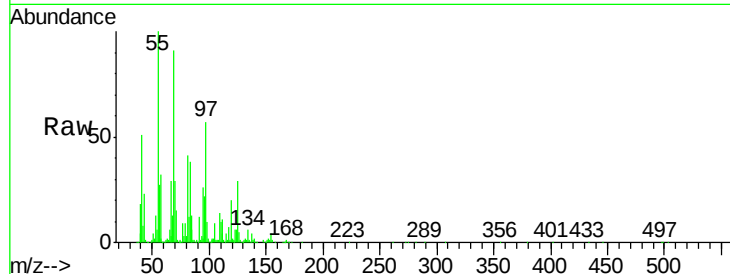




#18
Hexachloroethane
Concen: 6.60 ng
RT: 9.26 min Scan# 1093
Delta R.T. 0.02 min
Lab File: BG023360.D
Acq: 30 Jul 2016 16:48

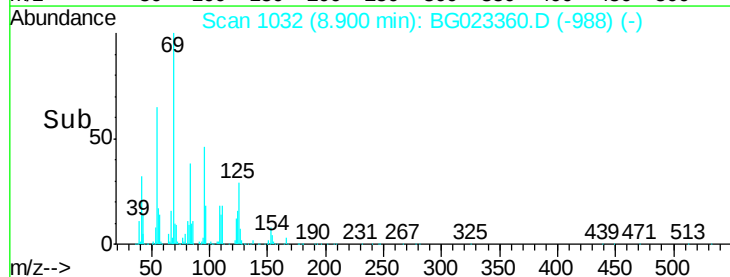
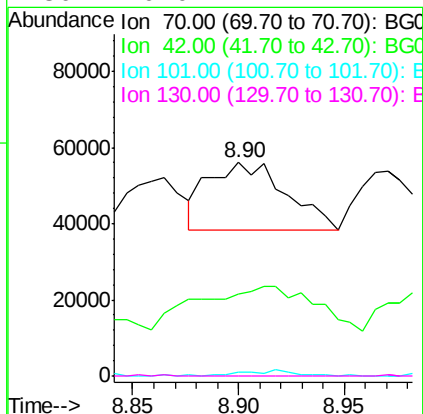
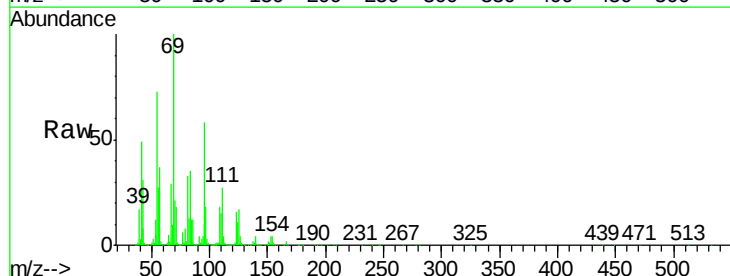
Instrument :
BNA_G
ClientSampleId :

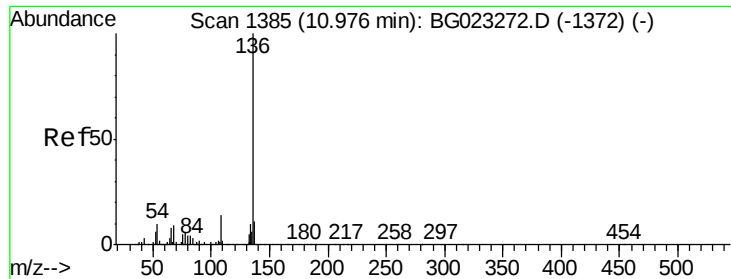
Tot Ion: 117 Resp: 52312
Ion Ratio Lower Upper
117 100
119 279.7 73.7 110.5#
201 0.0 88.7 133.1#



#19
n-Nitroso-di-n-propylamine
Concen: 2.18 ng
RT: 8.90 min Scan# 1032
Delta R.T. -0.04 min
Lab File: BG023360.D
Acq: 30 Jul 2016 16:48

Tgt Ion: 70 Resp: 44731
Ion Ratio Lower Upper
70 100
42 38.6 42.1 63.1#
101 1.7 7.2 10.8#
130 0.0 14.2 21.2#

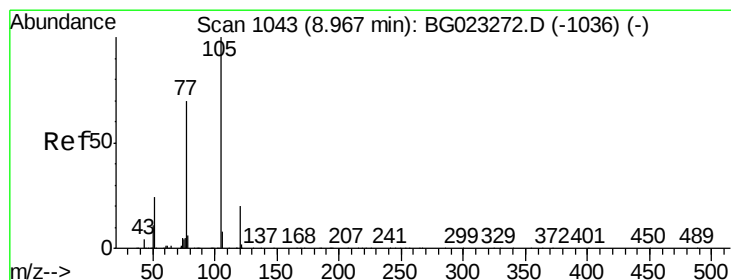
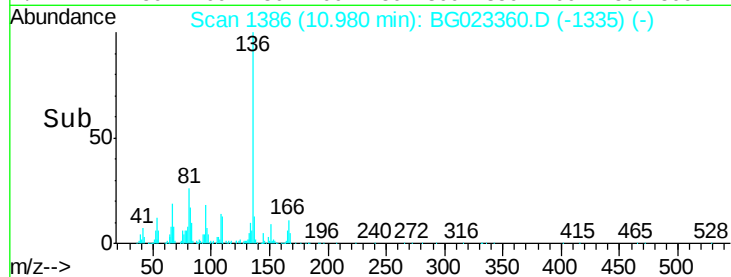
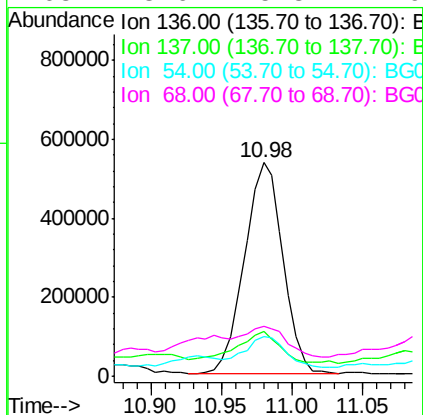
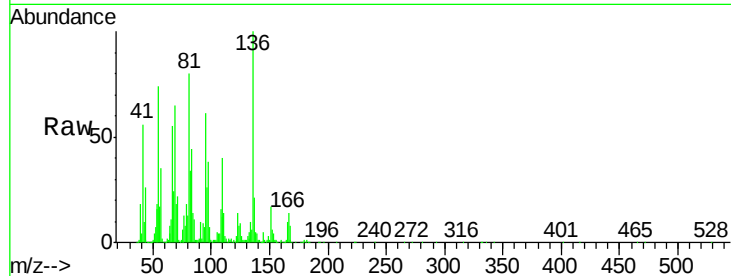




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 10.98 min Scan# 1386
Delta R.T. 0.00 min
Lab File: BG023360.D
Acq: 30 Jul 2016 16:48

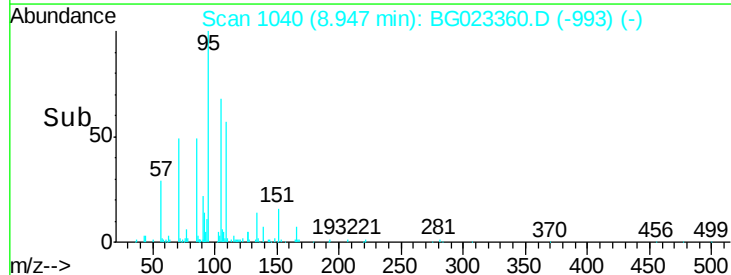
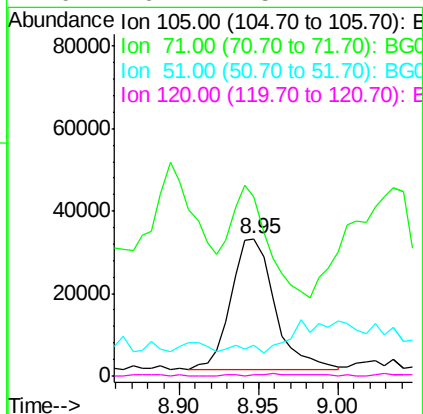
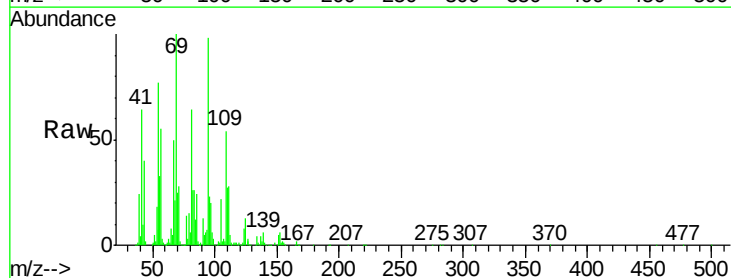
Instrument :
BNA_G
ClientSampleId :

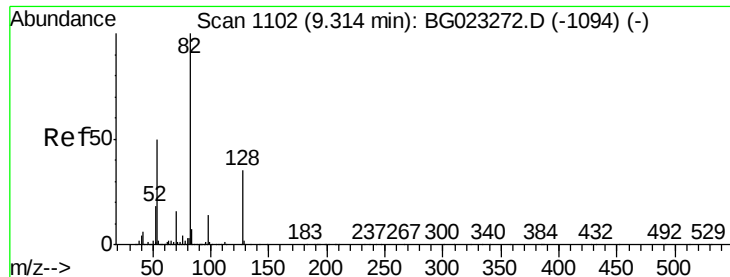
Tot Ion:136	Resp: 1020536
Ion Ratio	Lower Upper
136 100	
137 20.7	9.6 14.4#
54 18.3	7.3 10.9#
68 23.6	5.3 7.9#



#22
Acetophenone
Concen: 2.30 ng
RT: 8.95 min Scan# 1040
Delta R.T. -0.02 min
Lab File: BG023360.D
Acq: 30 Jul 2016 16:48

Tgt	Ion:105	Resp:	61308
Ion	Ratio	Lower	Upper
105	100		
71	130.6	2.6	3.8#
51	22.5	27.1	40.7#
120	0.7	15.1	22.7#





#23

Nitrobenzene-d5

Concen: 90.64 ng

RT: 9.32 min Scan# 1103

Delta R.T. 0.01 min

Lab File: BG023360.D

Acq: 30 Jul 2016 16:48

Instrument :

BNA_G

ClientSampleId :

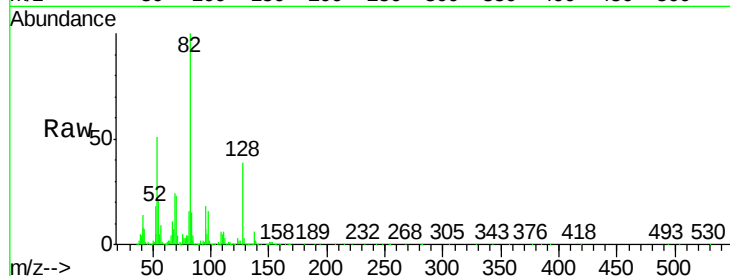
Tot Ion: 82 Resp: 1891616

Ion Ratio Lower Upper

82 100

128 38.5 24.4 36.6#

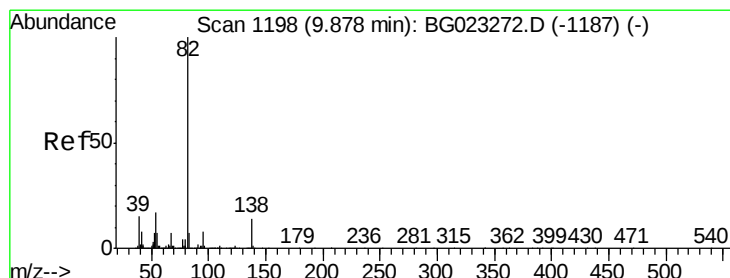
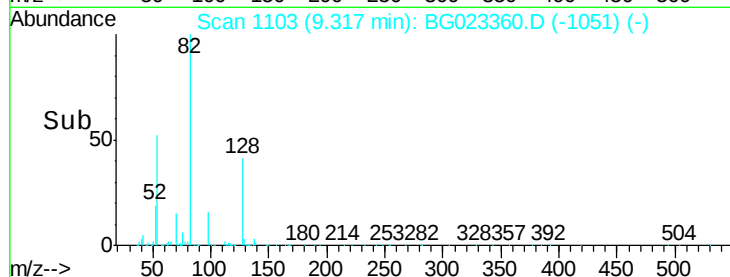
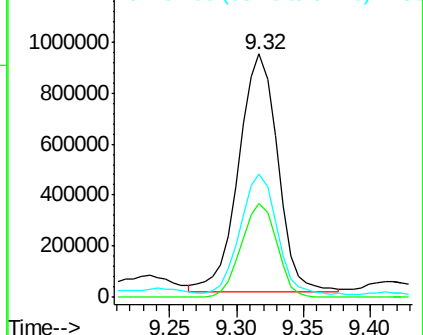
54 50.9 41.4 62.0



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



#25

Isophorone

Concen: 8.13 ng

RT: 9.88 min Scan# 1199

Delta R.T. 0.00 min

Lab File: BG023360.D

Acq: 30 Jul 2016 16:48

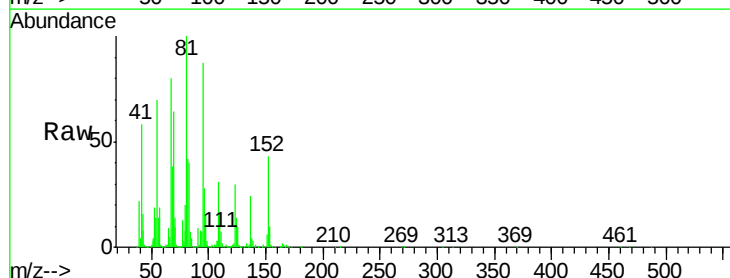
Tgt Ion: 82 Resp: 350608

Ion Ratio Lower Upper

82 100

95 207.9 8.2 12.2#

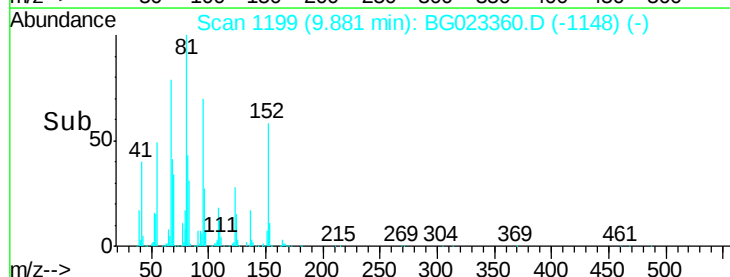
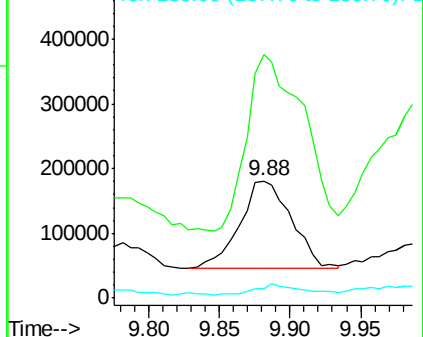
138 8.6 10.7 16.1#

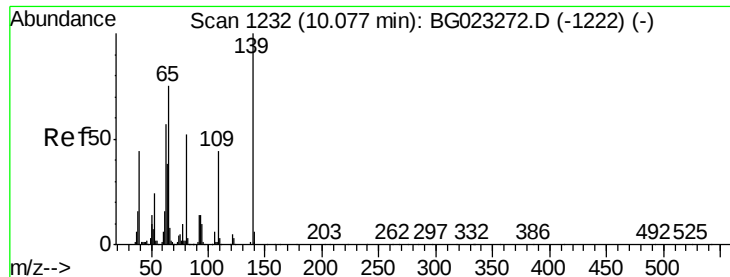


Abundance Ion 82.00 (81.70 to 82.70): BGC

Ion 95.00 (94.70 to 95.70): BGC

Ion 138.00 (137.70 to 138.70): BGC

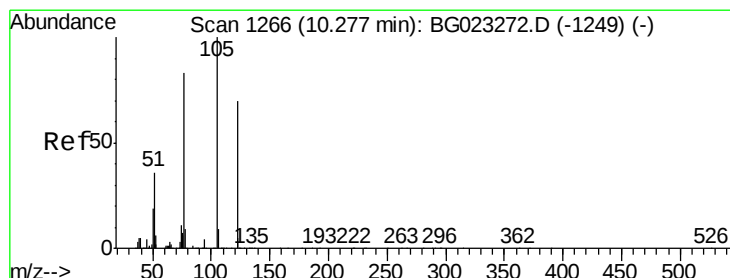
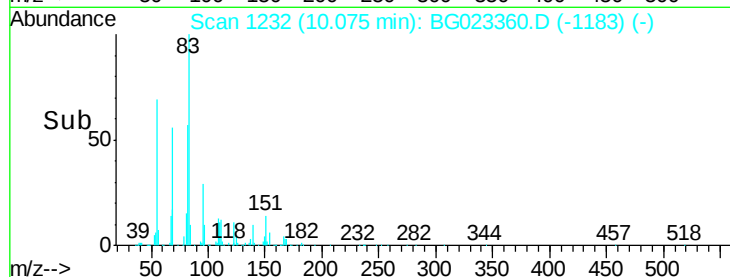
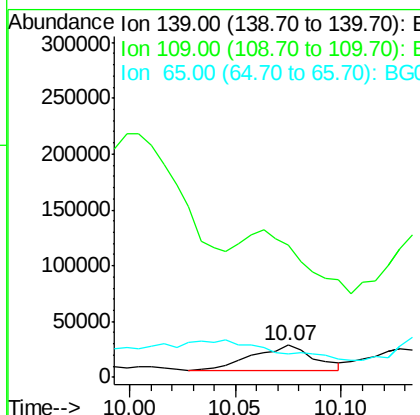
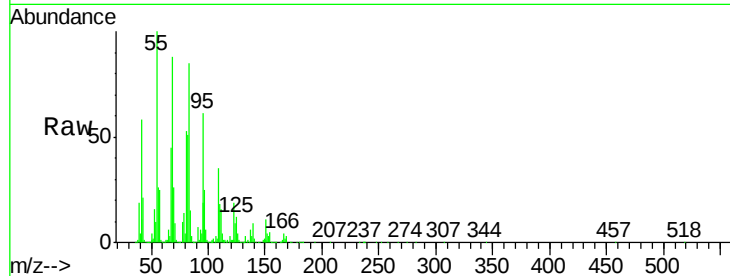




#26
2-Nitrophenol
Concen: 5.12 ng
RT: 10.07 min Scan# 1232
Delta R.T. -0.01 min
Lab File: BG023360.D
Acq: 30 Jul 2016 16:48

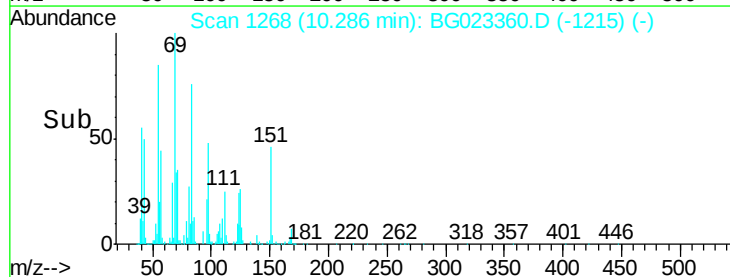
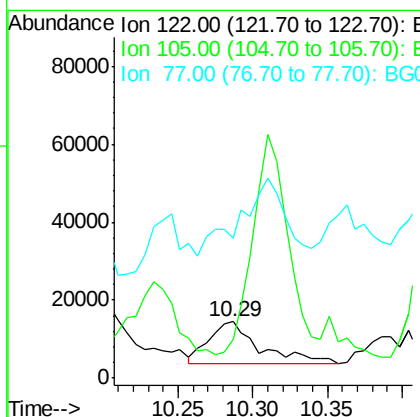
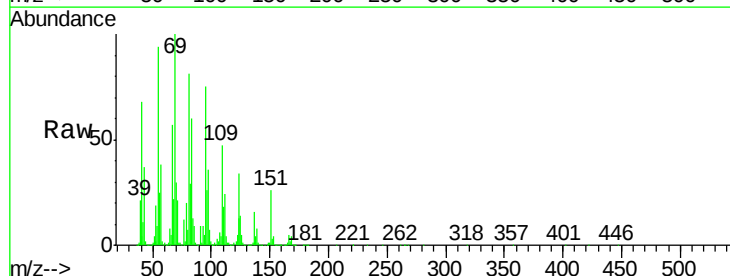
Instrument :
BNA_G
ClientSampleId :

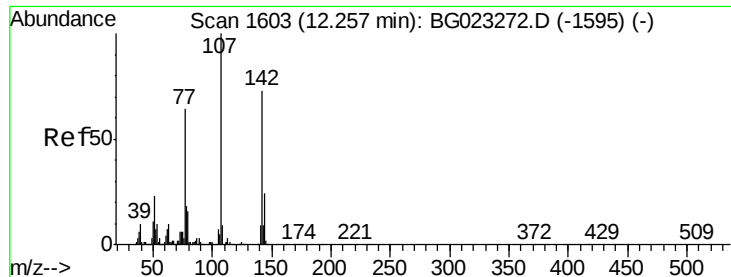
Tot Ion	Ratio	Lower	Upper
139	100		
109	411.0	43.5	65.3#
65	71.2	64.3	96.5



#32
Benzoic acid
Concen: 9.75 ng
RT: 10.29 min Scan# 1268
Delta R.T. 0.01 min
Lab File: BG023360.D
Acq: 30 Jul 2016 16:48

Tgt Ion	Ratio	Lower	Upper
122	100		
105	69.8	117.2	157.2#
77	247.2	109.2	149.2#

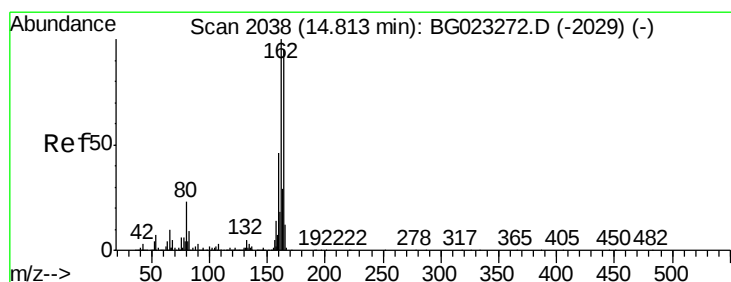
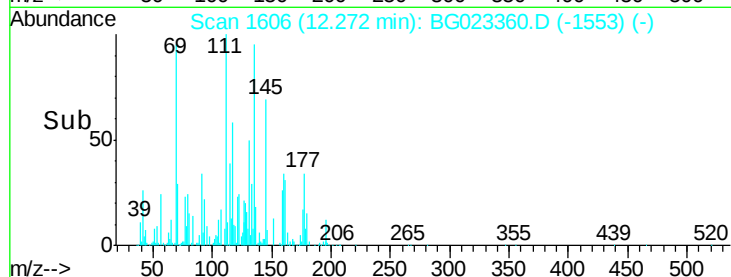
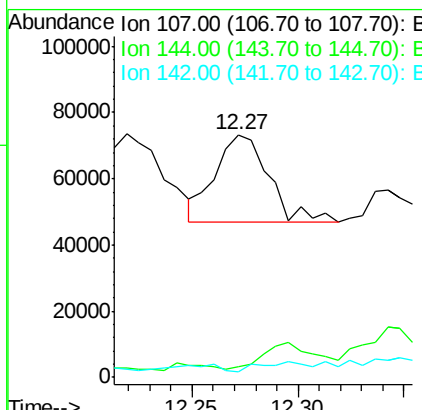
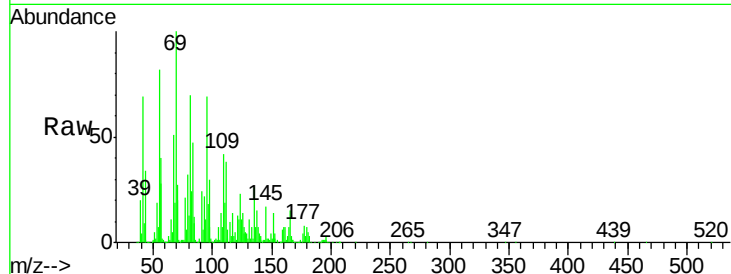




#36
4-Chloro-3-methylphenol
Concen: 2.40 ng
RT: 12.27 min Scan# 1606
Delta R.T. 0.01 min
Lab File: BG023360.D
Acq: 30 Jul 2016 16:48

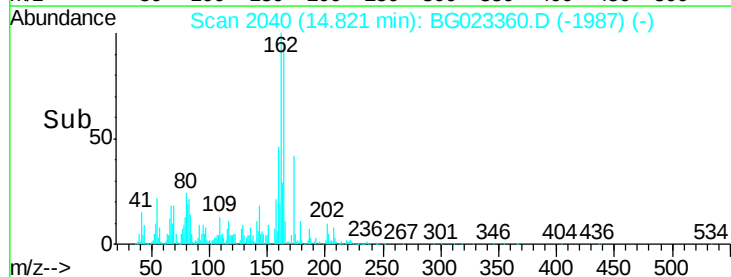
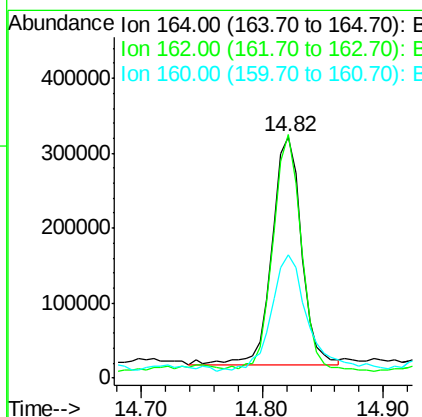
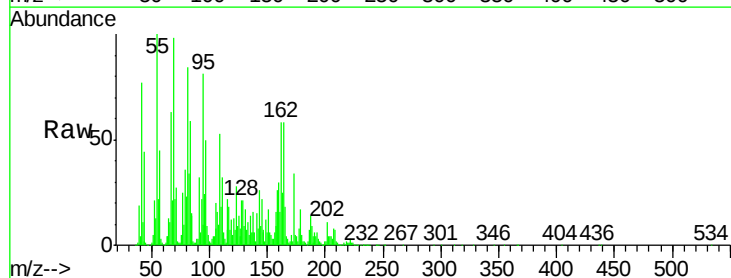
Instrument :
BNA_G
ClientSampleId :

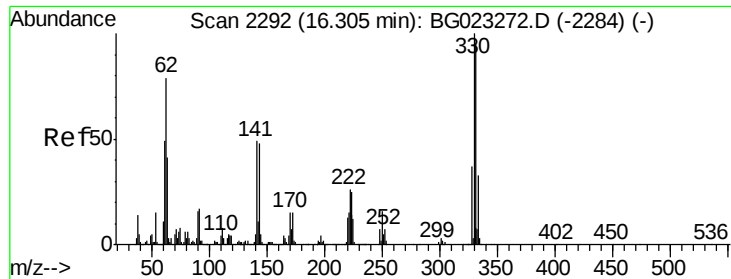
Tot Ion:107 Resp: 47024
Ion Ratio Lower Upper
107 100
144 4.2 17.0 25.6#
142 2.5 53.0 79.6#



#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 14.82 min Scan# 2040
Delta R.T. 0.01 min
Lab File: BG023360.D
Acq: 30 Jul 2016 16:48

Tgt Ion:164 Resp: 514604
Ion Ratio Lower Upper
164 100
162 100.9 87.7 131.5
160 51.2 37.2 55.8

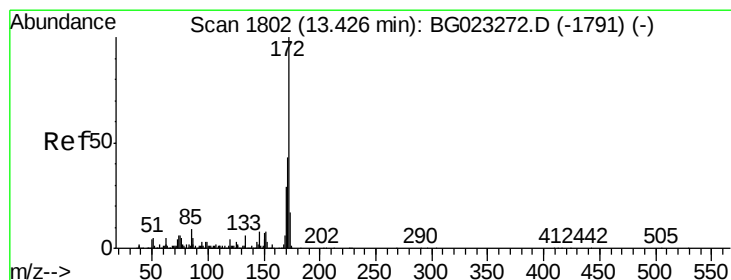
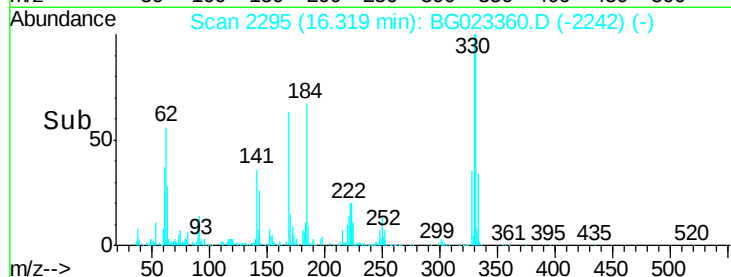
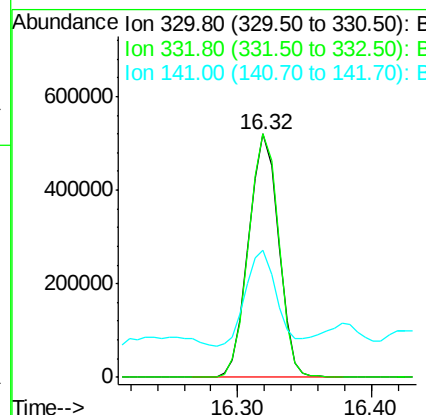
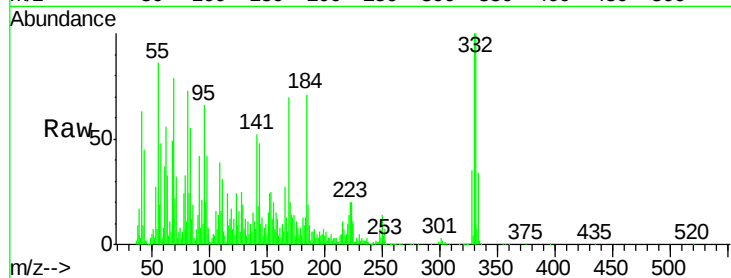




#41
 2,4,6-Tribromophenol
 Concen: 151.23 ng
 RT: 16.32 min Scan# 2295
 Delta R.T. 0.01 min
 Lab File: BG023360.D
 Acq: 30 Jul 2016 16:48

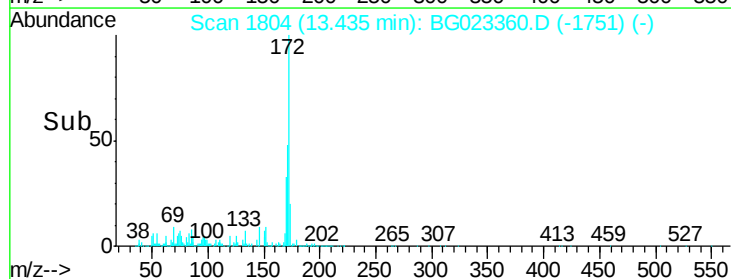
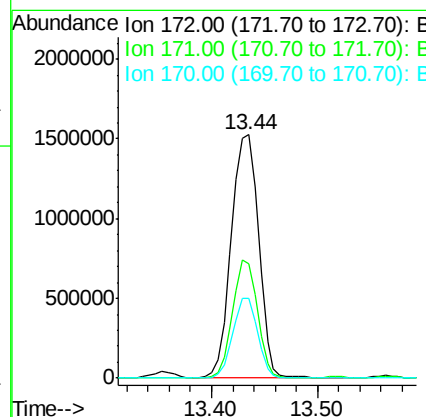
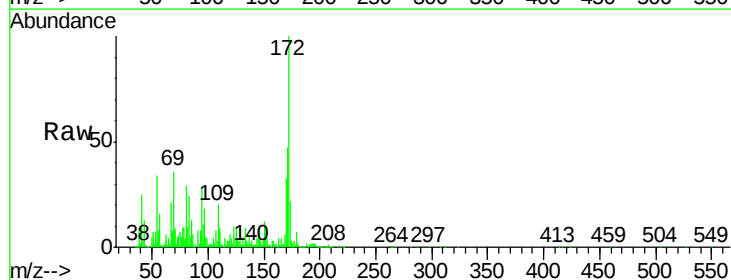
Instrument :
 BNA_G
 ClientSampleId :

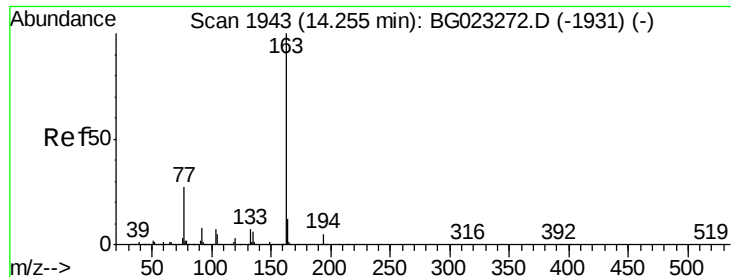
Tot Ion:330 Resp: 805483
 Ion Ratio Lower Upper
 330 100
 332 100.5 77.4 116.2
 141 40.2 31.7 47.5



#44
 2-Fluorobiphenyl
 Concen: 99.16 ng
 RT: 13.44 min Scan# 1804
 Delta R.T. 0.01 min
 Lab File: BG023360.D
 Acq: 30 Jul 2016 16:48

Tgt Ion:172 Resp: 2726379
 Ion Ratio Lower Upper
 172 100
 171 46.9 31.6 47.4
 170 32.7 21.3 31.9#





#49

Dimethylphthalate

Concen: 3.52 ng

RT: 14.25 min Scan# 1943

Delta R.T. 0.00 min

Lab File: BG023360.D

Acq: 30 Jul 2016 16:48

Instrument :

BNA_G

ClientSampled :

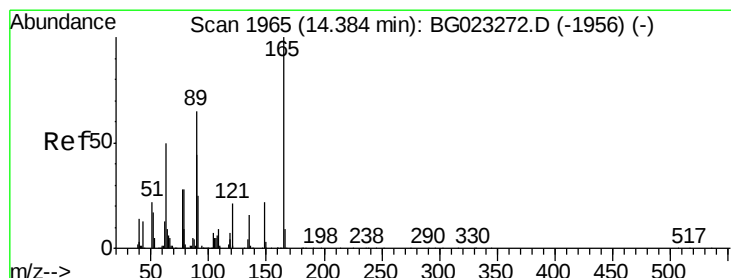
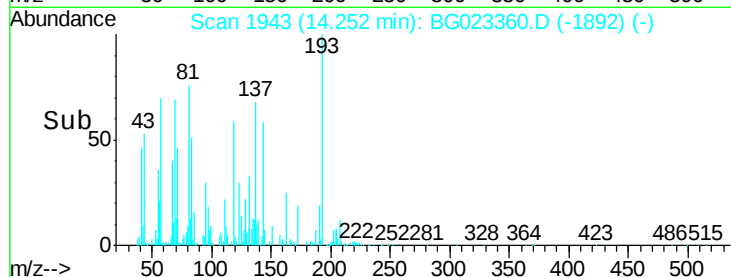
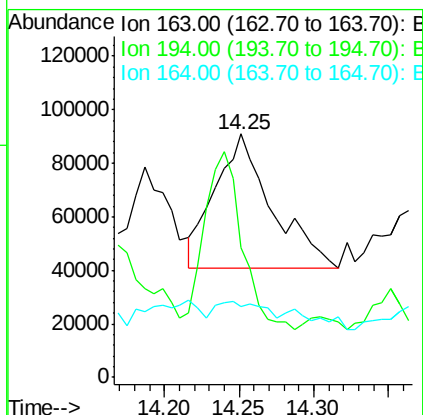
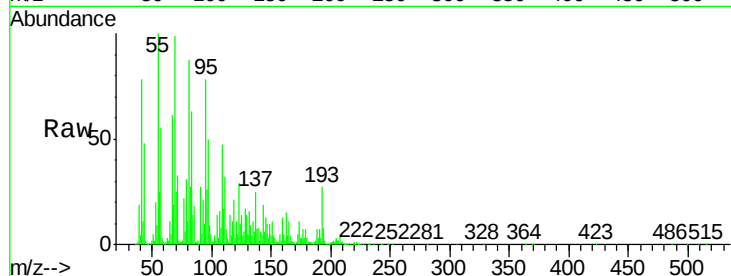
Tot Ion:163 Resp: 133660

Ion Ratio Lower Upper

163 100

194 53.2 3.6 5.4#

164 28.8 8.1 12.1#



#50

2,6-Dinitrotoluene

Concen: 5.24 ng

RT: 14.42 min Scan# 1972

Delta R.T. 0.05 min

Lab File: BG023360.D

Acq: 30 Jul 2016 16:48

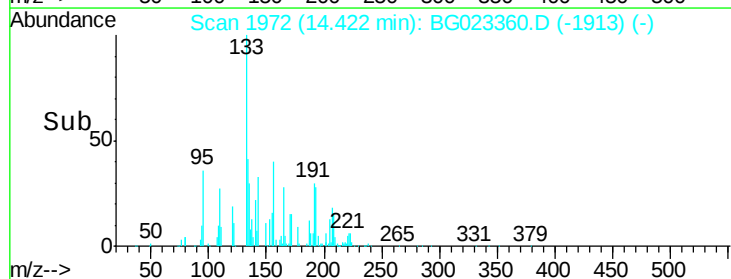
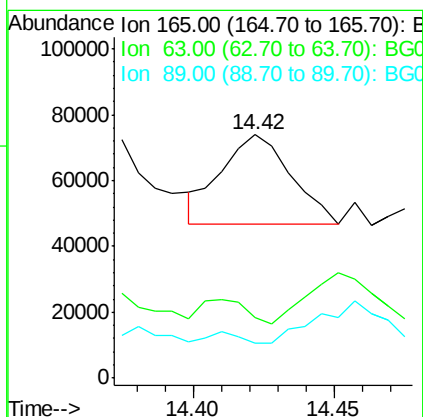
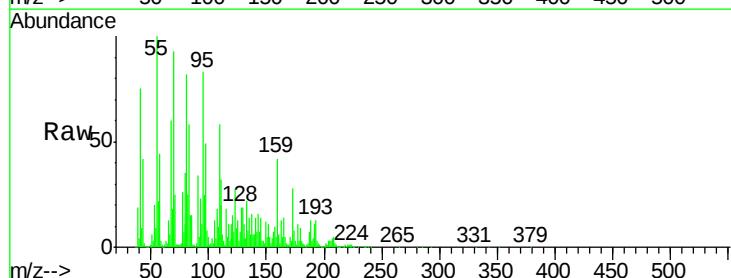
Tgt Ion:165 Resp: 46616

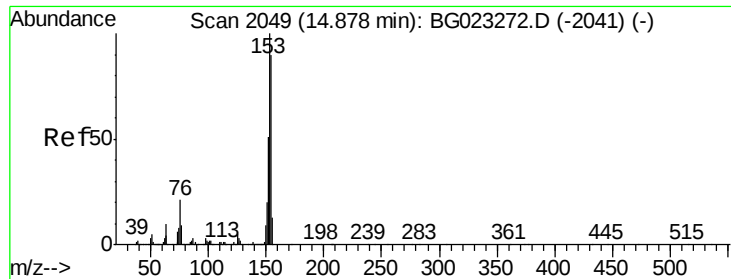
Ion Ratio Lower Upper

165 100

63 24.7 64.3 96.5#

89 14.3 64.3 96.5#





#51

Acenaphthene

Concen: 2.08 ng

RT: 14.89 min Scan# 2051

Delta R.T. 0.01 min

Lab File: BG023360.D

Acq: 30 Jul 2016 16:48

Instrument :

BNA_G

ClientSampleId :

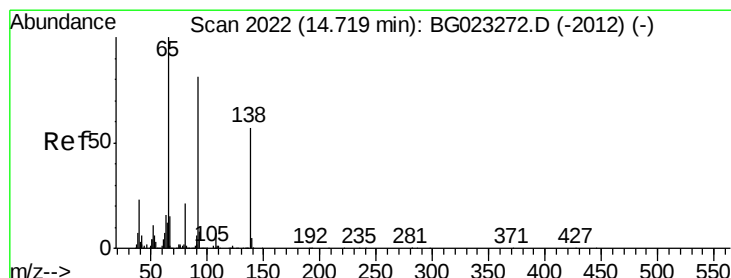
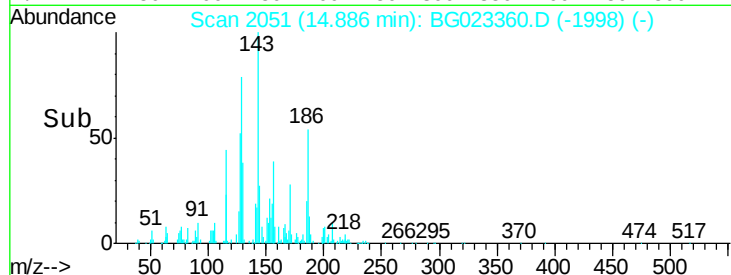
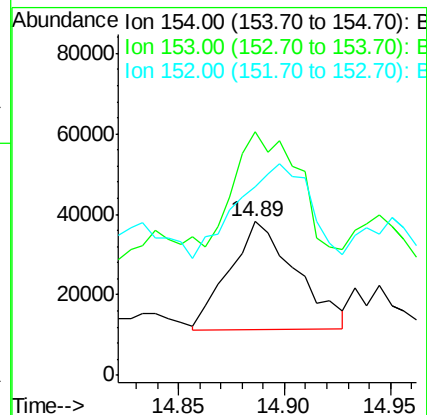
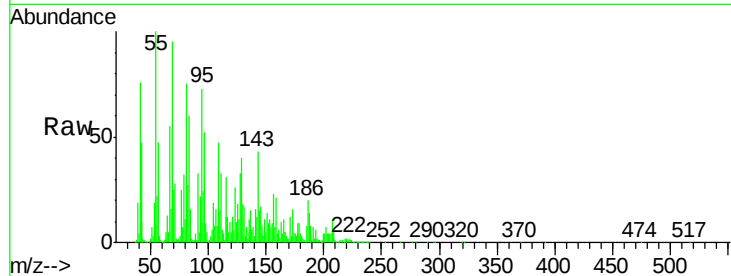
Tot Ion:154 Resp: 59326

Ion Ratio Lower Upper

154 100

153 158.2 87.5 131.3#

152 122.8 42.7 64.1#



#52

3-Nitroaniline

Concen: 4.03 ng

RT: 14.72 min Scan# 2022

Delta R.T. 0.00 min

Lab File: BG023360.D

Acq: 30 Jul 2016 16:48

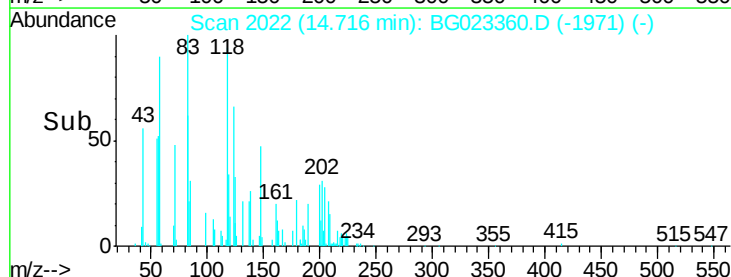
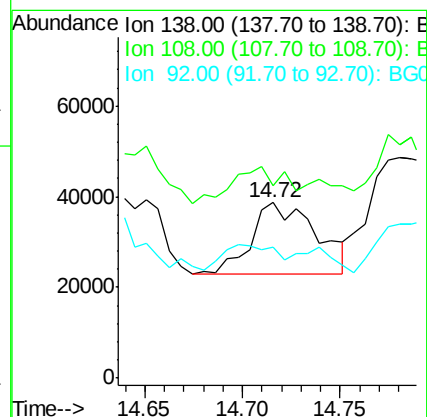
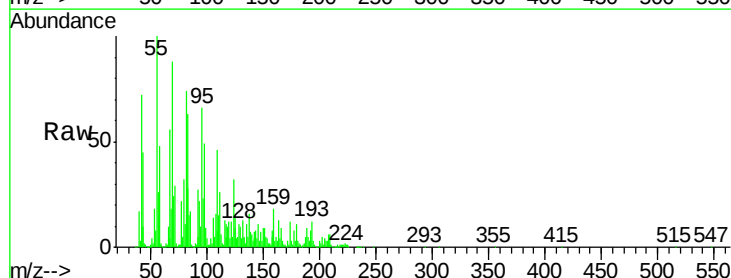
Tgt Ion:138 Resp: 36115

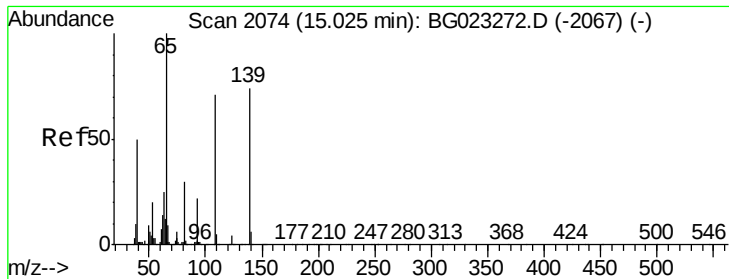
Ion Ratio Lower Upper

138 100

108 109.5 11.7 17.5#

92 74.6 129.7 194.5#

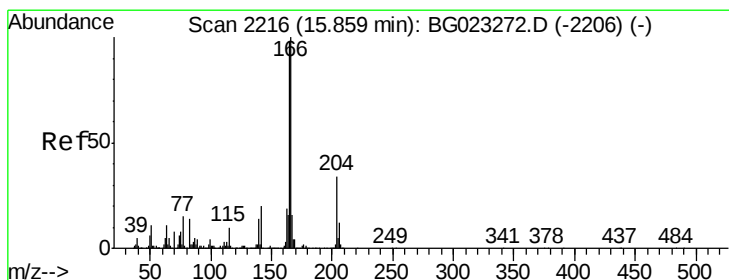
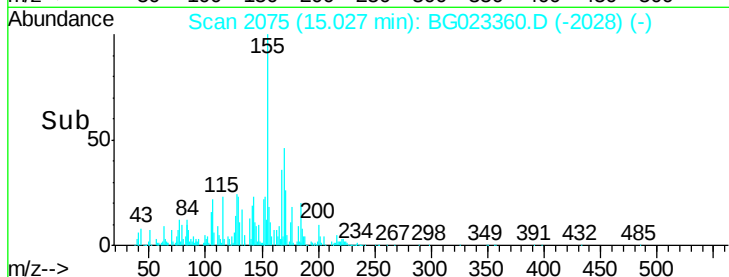
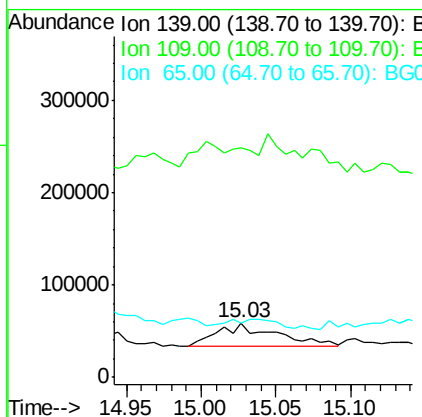
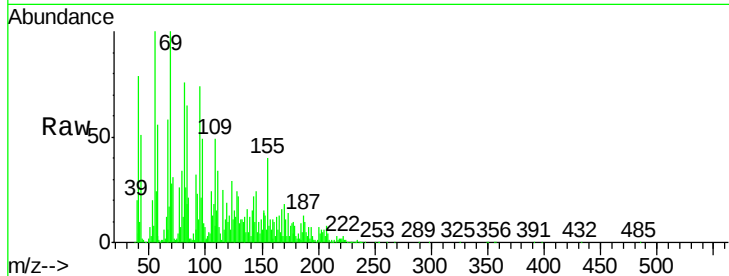




#55
4-Nitrophenol
Concen: 8.99 ng
RT: 15.03 min Scan# 2075
Delta R.T. -0.02 min
Lab File: BG023360.D
Acq: 30 Jul 2016 16:48

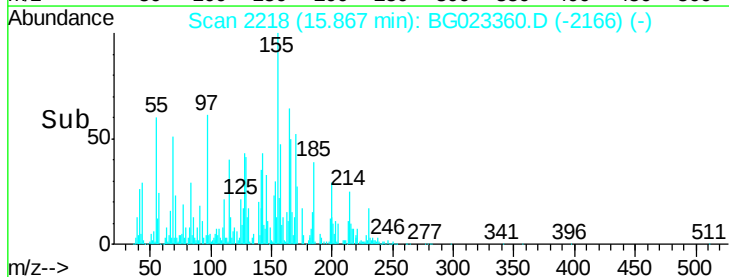
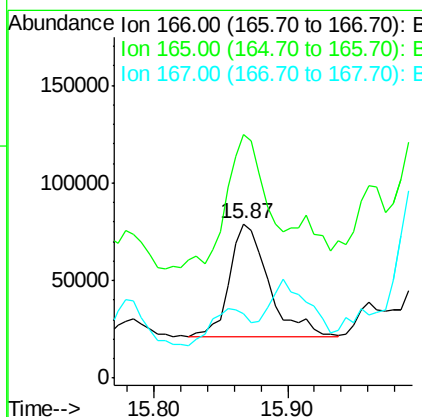
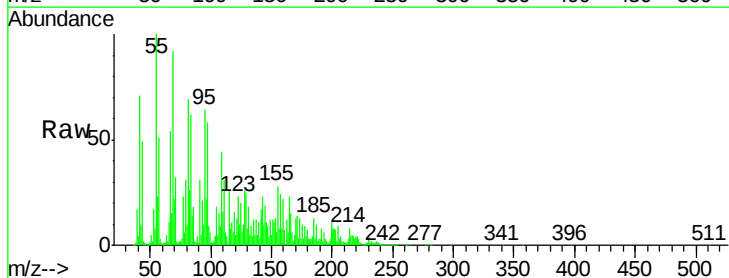
Instrument :
BNA_G
ClientSampleId :

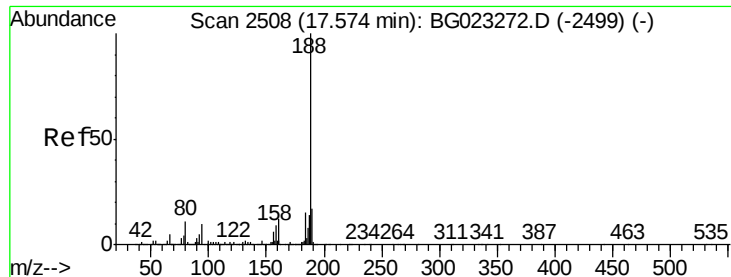
Tot Ion:139 Resp: 69865
Ion Ratio Lower Upper
139 100
109 421.3 103.0 143.0#
65 100.3 112.7 152.7#



#57
Fluorene
Concen: 3.32 ng
RT: 15.87 min Scan# 2218
Delta R.T. 0.01 min
Lab File: BG023360.D
Acq: 30 Jul 2016 16:48

Tgt Ion:166 Resp: 118612
Ion Ratio Lower Upper
166 100
165 157.7 81.0 121.6#
167 41.5 12.0 18.0#





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 17.58 min Scan# 2510

Delta R.T. 0.01 min

Lab File: BG023360.D

Acq: 30 Jul 2016 16:48

Instrument :

BNA_G

ClientSampleId :

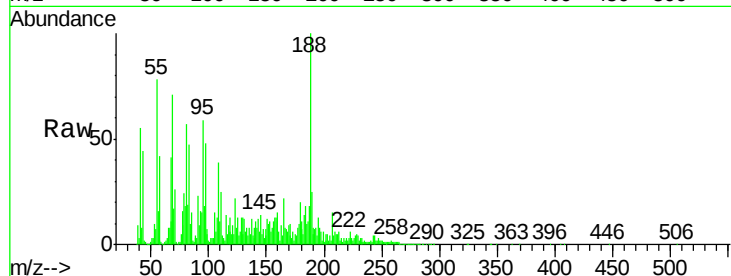
Tot Ion:188 Resp: 840077

Ion Ratio Lower Upper

188 100

94 15.5 5.2 7.8#

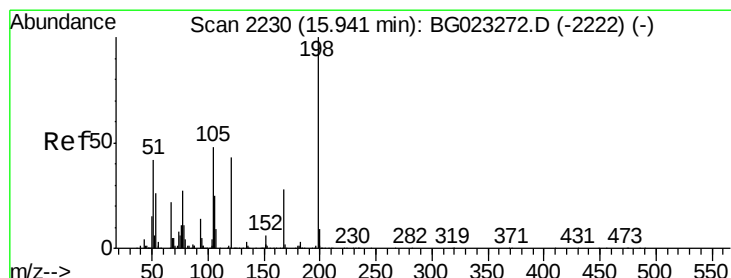
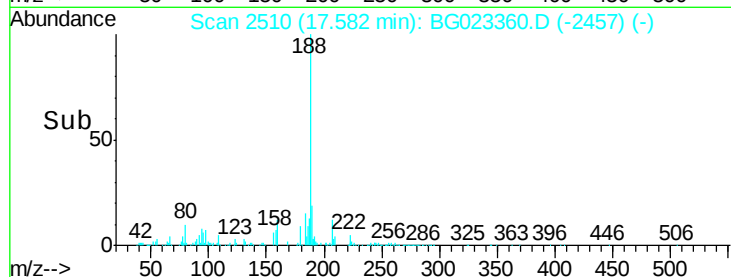
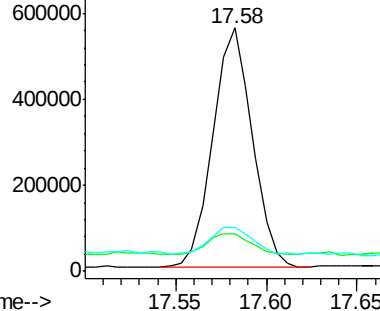
80 18.1 7.2 10.8#



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC



#64

4,6-Dinitro-2-methylphenol

Concen: 3.48 ng

RT: 15.91 min Scan# 2226

Delta R.T. -0.02 min

Lab File: BG023360.D

Acq: 30 Jul 2016 16:48

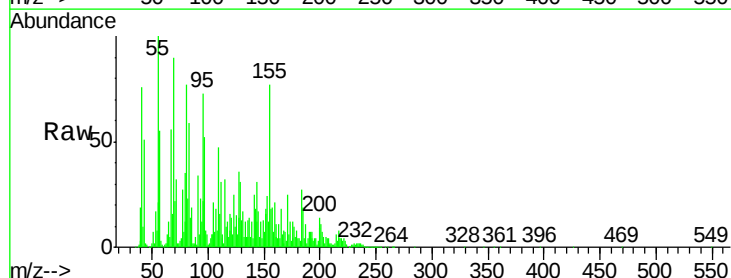
Tgt Ion:198 Resp: 18767

Ion Ratio Lower Upper

198 100

51 226.5 26.0 66.0#

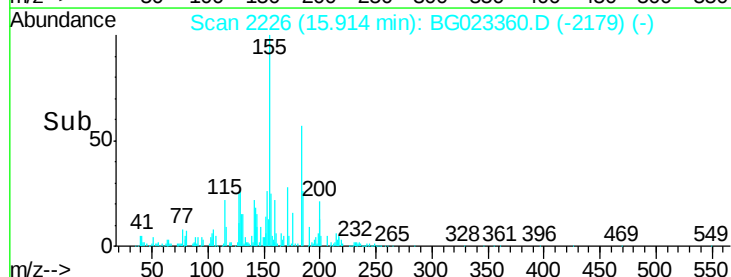
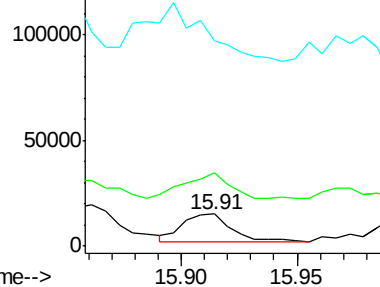
105 635.8 20.1 60.1#

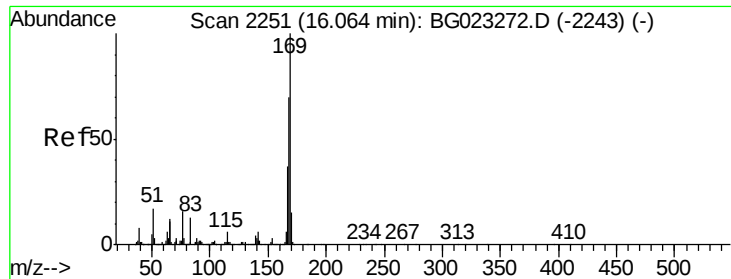


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BGC

Ion 105.00 (104.70 to 105.70): E

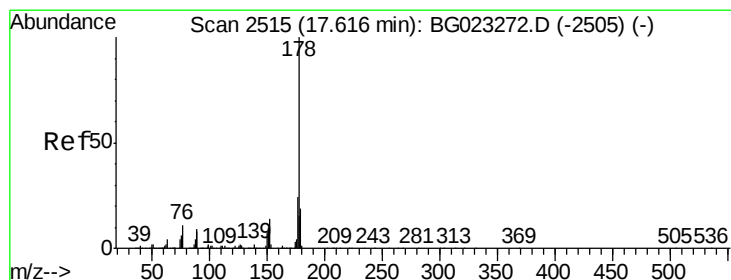
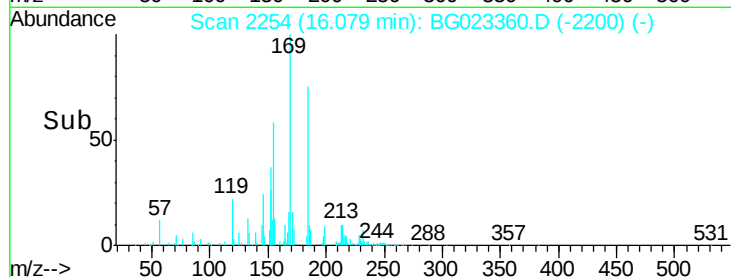
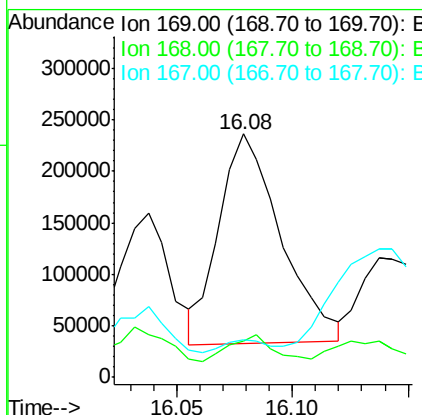
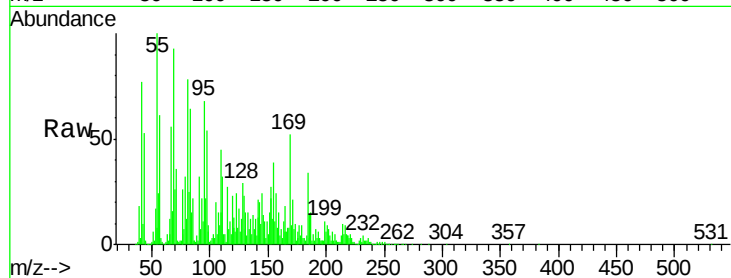




#65
n-Nitrosodiphenylamine
Concen: 16.96 ng
RT: 16.08 min Scan# 2254
Delta R.T. 0.02 min
Lab File: BG023360.D
Acq: 30 Jul 2016 16:48

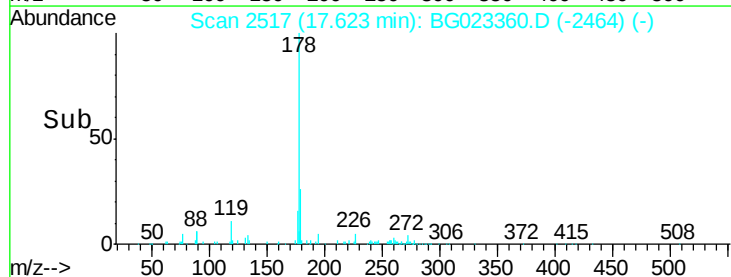
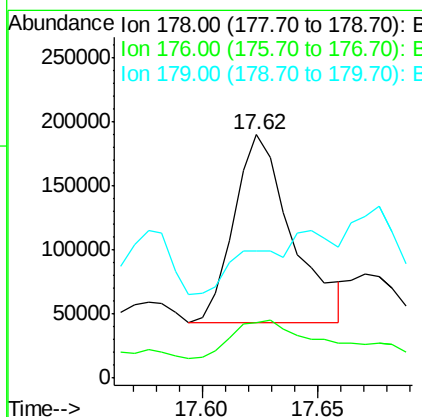
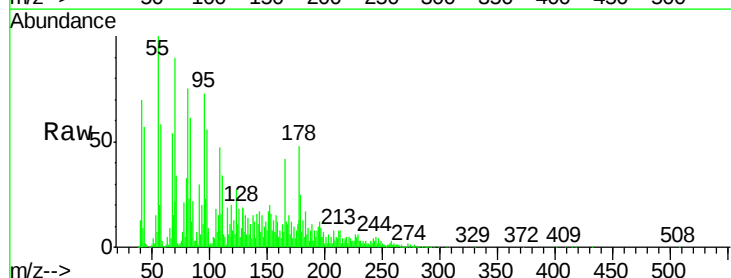
Instrument :
BNA_G
ClientSampleId :

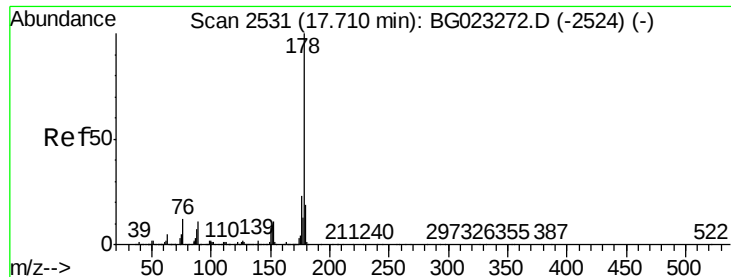
Tot Ion:169 Resp: 380277
Ion Ratio Lower Upper
169 100
168 15.0 55.0 82.4#
167 15.2 27.4 41.0#



#70
Phenanthrene
Concen: 7.04 ng
RT: 17.62 min Scan# 2517
Delta R.T. 0.01 min
Lab File: BG023360.D
Acq: 30 Jul 2016 16:48

Tgt Ion:178 Resp: 258657
Ion Ratio Lower Upper
178 100
176 23.0 16.8 25.2
179 52.0 14.3 21.5#





#71

Anthracene

Concen: 9.27 ng

RT: 17.78 min Scan# 2543

Delta R.T. 0.07 min

Lab File: BG023360.D

Acq: 30 Jul 2016 16:48

Instrument :

BNA_G

ClientSampleId :

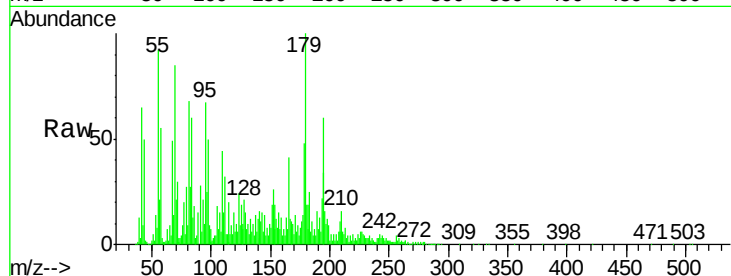
Tot Ion:178 Resp: 343995

Ion Ratio Lower Upper

178 100

176 23.5 17.3 25.9

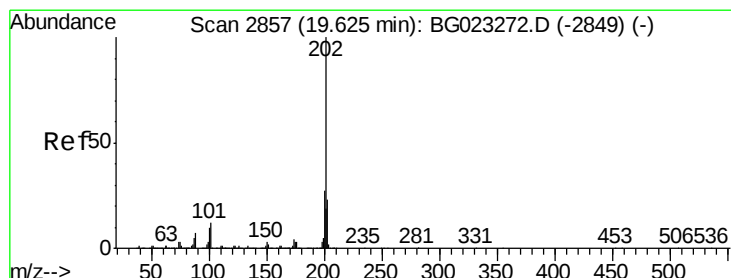
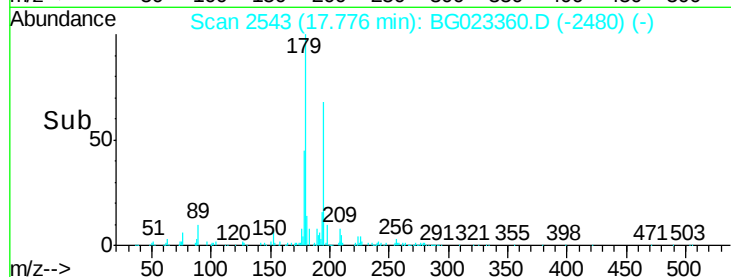
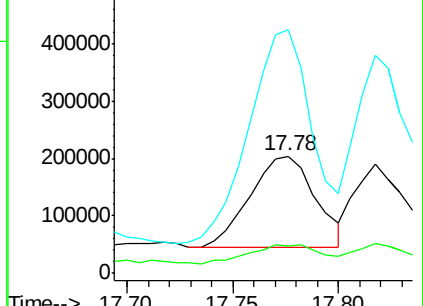
179 207.6 14.0 21.0#



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#74

Fluoranthene

Concen: 2.28 ng

RT: 19.63 min Scan# 2859

Delta R.T. 0.01 min

Lab File: BG023360.D

Acq: 30 Jul 2016 16:48

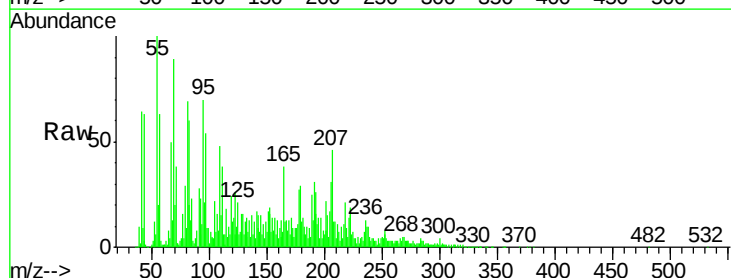
Tgt Ion:202 Resp: 95582

Ion Ratio Lower Upper

202 100

101 31.6 0.0 27.4#

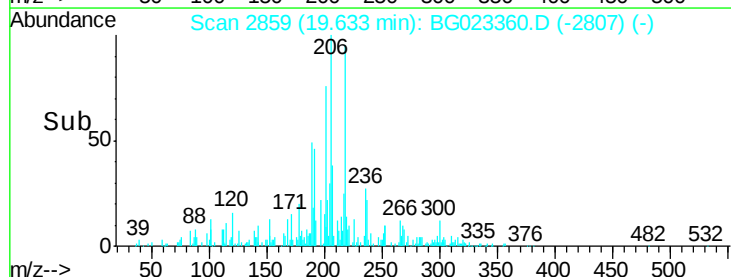
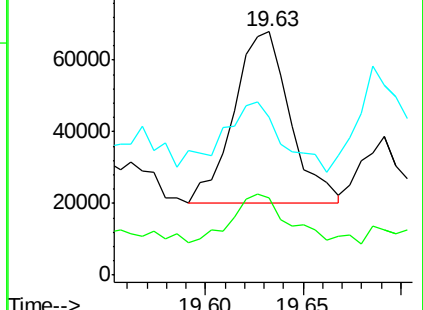
203 64.9 1.7 41.7#

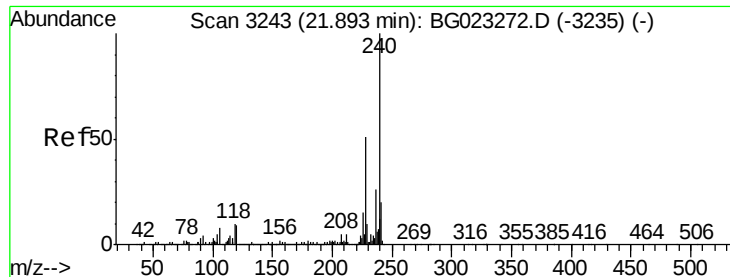


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#75

Chrysene-d12

Concen: 20.00 ng

RT: 21.90 min Scan# 3245

Delta R.T. 0.01 min

Lab File: BG023360.D

Acq: 30 Jul 2016 16:48

Instrument :

BNA_G

ClientSampleId :

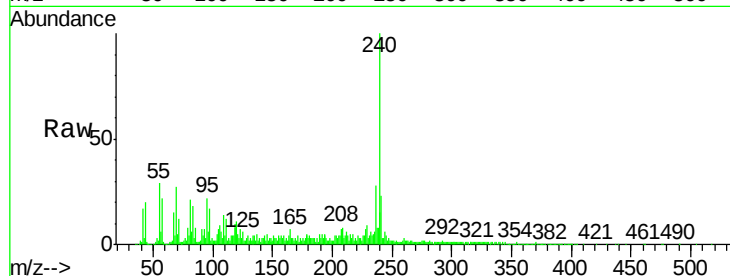
Tot Ion:240 Resp: 936767

Ion Ratio Lower Upper

240 100

120 10.7 4.1 6.1#

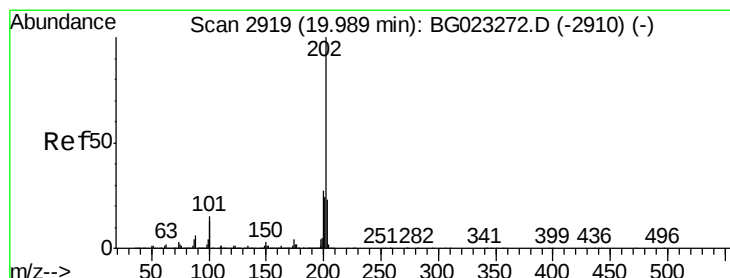
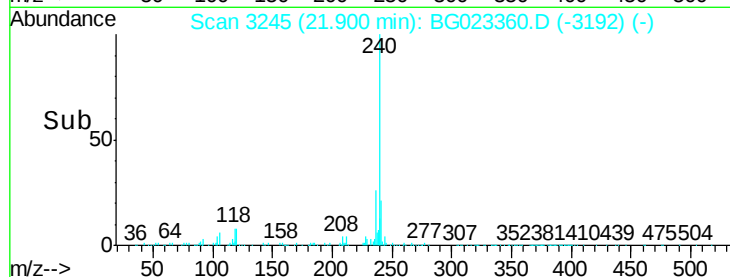
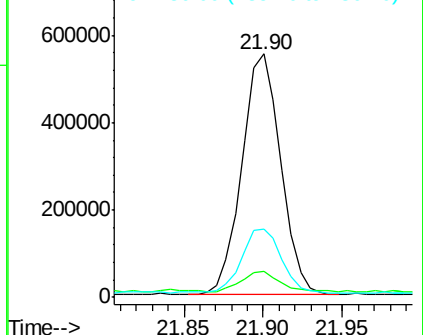
236 27.9 21.1 31.7



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

Pyrene

Concen: 5.25 ng

RT: 20.00 min Scan# 2922

Delta R.T. 0.01 min

Lab File: BG023360.D

Acq: 30 Jul 2016 16:48

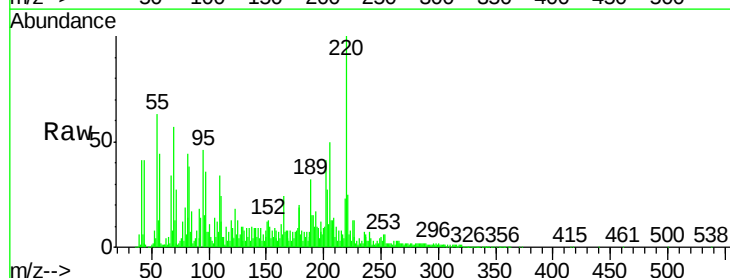
Tgt Ion:202 Resp: 279273

Ion Ratio Lower Upper

202 100

200 23.0 21.2 31.8

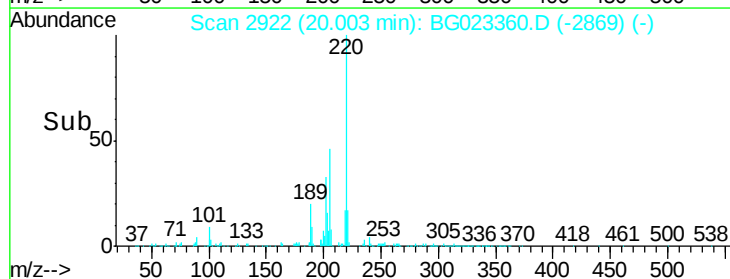
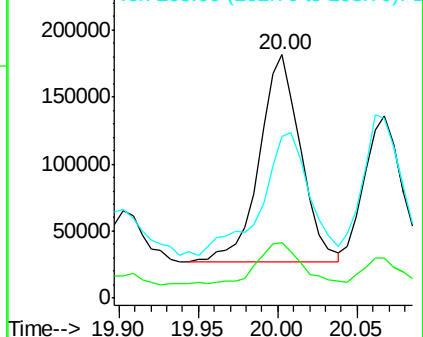
203 66.6 16.8 25.2#

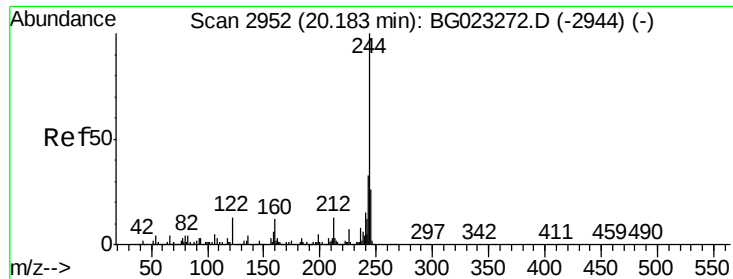


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 88.77 ng

RT: 20.18 min Scan# 2953

Delta R.T. 0.01 min

Lab File: BG023360.D

Acq: 30 Jul 2016 16:48

Instrument :

BNA_G

ClientSampled :

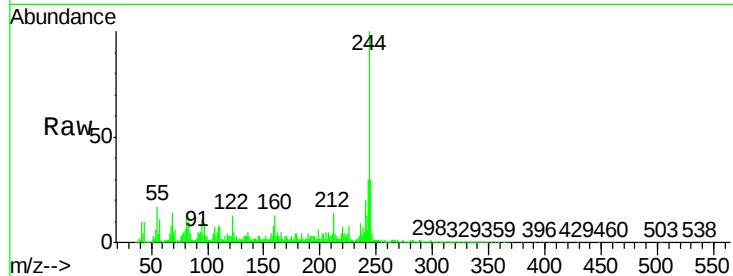
Tot Ion:244 Resp: 2558167

Ion Ratio Lower Upper

244 100

212 13.9 10.8 16.2

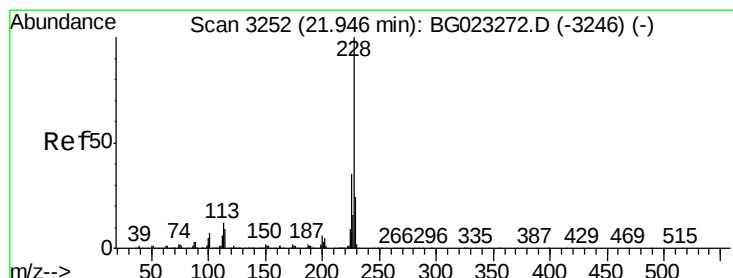
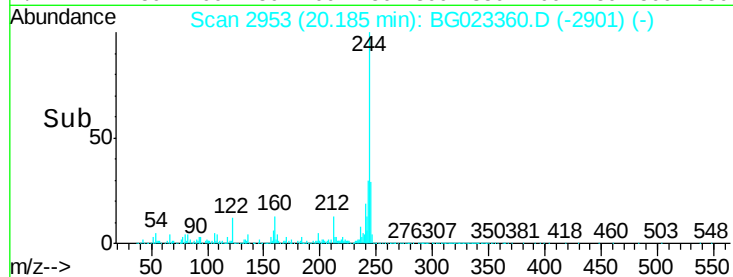
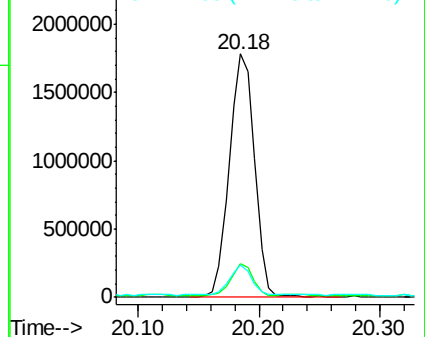
122 13.4 8.0 12.0#



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



#82

Chrysene

Concen: 5.50 ng

RT: 21.92 min Scan# 3249

Delta R.T. -0.02 min

Lab File: BG023360.D

Acq: 30 Jul 2016 16:48

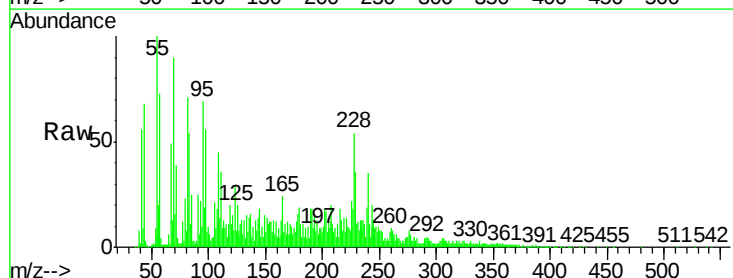
Tgt Ion:228 Resp: 260741

Ion Ratio Lower Upper

228 100

226 40.3 26.7 40.1#

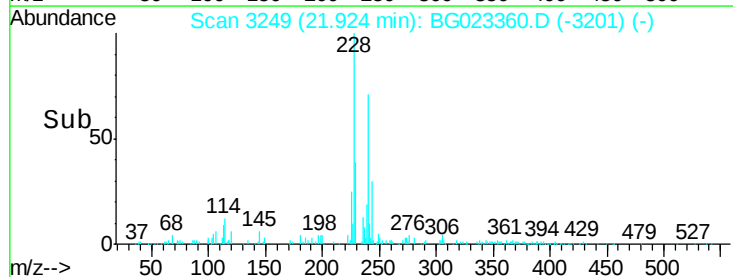
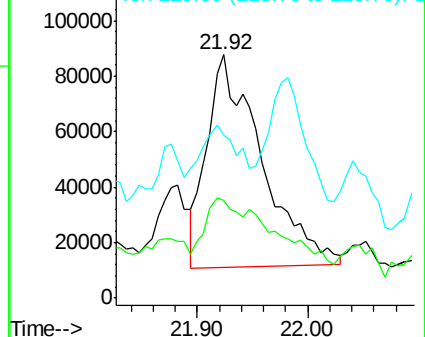
229 66.8 17.4 26.2#

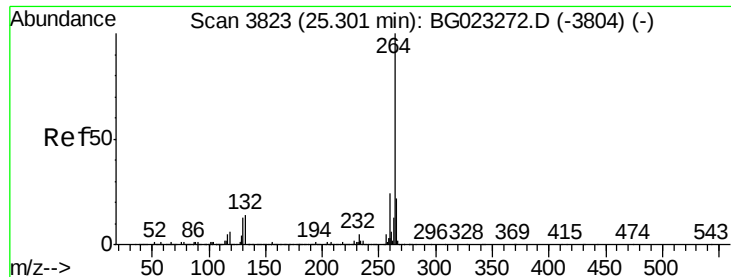


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



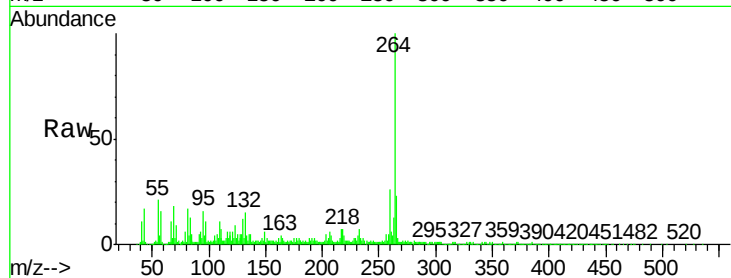


#86
Pervlene-d12
Concen: 20.00 ng
RT: 25.31 min Scan# 3825
Delta R.T. 0.00 min
Lab File: BG023360.D
Acq: 30 Jul 2016 16:48

Instrument :
BNA_G
ClientSampleId :

Tot Ion:264 Resp: 1003305

Ion	Ratio	Lower	Upper
264	100		
260	26.0	18.4	27.6
265	22.7	18.9	28.3



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

