

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG020916\
 Data File : BG020821.D
 Acq On : 9 Feb 2016 17:27
 Operator : SJ/UM
 Sample : H1371-02
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 C04L1

Quant Time: Feb 10 00:39:48 2016
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG020816.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed Feb 10 00:34:52 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.27	152	26217	20.00	ng/ul	0.00
18) Naphthalene-d8	11.10	136	122525	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.89	164	62717	20.00	ng/ul	0.00
62) Phenanthrene-d10	17.62	188	117579	20.00	ng/ul	0.00
78) Chrysene-d12	21.91	240	112930	20.00	ng/ul	0.00
86) Perylene-d12	25.31	264	107358	20.00	ng/ul	0.02

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.61	96	815	1.51	ng/uL	0.00
5) Phenol-d5	7.40	99	23034	8.67	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.58	67	14290	10.08	ng/ul	0.00
9) 2-Chlorophenol-d4	7.80	132	19874	9.56	ng/ul	0.00
13) 4-Methylphenol-d8	8.96	113	19071	8.26	ng/ul	0.00
19) Nitrobenzene-d5	9.44	128	10563	10.74	ng/ul	0.00
22) 2-Nitrophenol-d4	10.17	143	10638	10.88	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.70	165	18957	10.07	ng/ul	0.00
29) 4-Chloroaniline-d4	11.22	131	25002	9.98	ng/ul	0.00
44) Dimethylphthalate-d6	14.28	166	57961	10.74	ng/ul	0.00
47) Acenaphthylene-d8	14.58	160	71996	10.92	ng/ul	0.00
52) 4-Nitrophenol-d4	15.05	143	8516	7.88	ng/ul	0.00
58) Fluorene-d10	15.87	176	53805	11.72	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.97	200	5792	10.16	ng/ul	0.00
71) Anthracene-d10	17.72	188	69005	11.88	ng/ul	0.00
79) Pyrene-d10	19.99	212	71133	12.25	ng/ul	0.00
90) Benzo(a)pyrene-d12	25.07	264	68459	11.51	ng/ul	0.00

Target Compounds

						Qvalue
14) Acetophenone	9.08	105	3746	1.07	ng/ul#	42
17) Hexachloroethane	9.39	117	1653	2.07	ng/ul#	13
28) Naphthalene	11.15	128	41924	6.16	ng/ul#	93
32) Caprolactam	11.99	113	931	1.16	ng/ul#	1
34) 2-Methylnaphthalene	12.74	142	49153	9.54	ng/ul	98
35) 1-Methylnaphthalene	12.95	142	49067	10.06	ng/ul#	98
41) 1,1'-Biphenyl	13.72	154	7699	1.39	ng/ul	95
45) Dimethylphthalate	14.33	163	25465	4.53	ng/ul#	93
50) Acenaphthene	14.95	153	5157	1.02	ng/ul	85
53) 4-Nitrophenol	15.09	109	927	1.51	ng/ul#	10
54) Dibenzofuran	15.28	168	18419	2.81	ng/ul#	79
59) Fluorene	15.93	166	9020	1.58	ng/ul#	82
65) N-Nitrosodiphenylamine	16.13	169	16280	4.03	ng/ul#	38
70) Phenanthrene	17.66	178	82494	11.13	ng/ul	94
77) Fluoranthene	19.66	202	41162	5.37	ng/ul#	94
80) Pyrene	20.02	202	50786	6.23	ng/ul#	93
83) Benzo(a)anthracene	21.89	228	21599	2.93	ng/ul#	77
85) Chrysene	21.96	228	29373	4.33	ng/ul#	80
88) Benzo(b)fluoranthene	24.22	252	23488	3.21	ng/ul#	58
91) Benzo(a)pyrene	25.14	252	15785	2.28	ng/ul#	69
94) Benzo(g,h,i)perylene	30.40	276	11237	1.72	ng/ul	95

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Quant Title : SVOA CALIBRATION
QLast Update : Wed Feb 10 00:34:52 2016
Response via : Initial Calibration

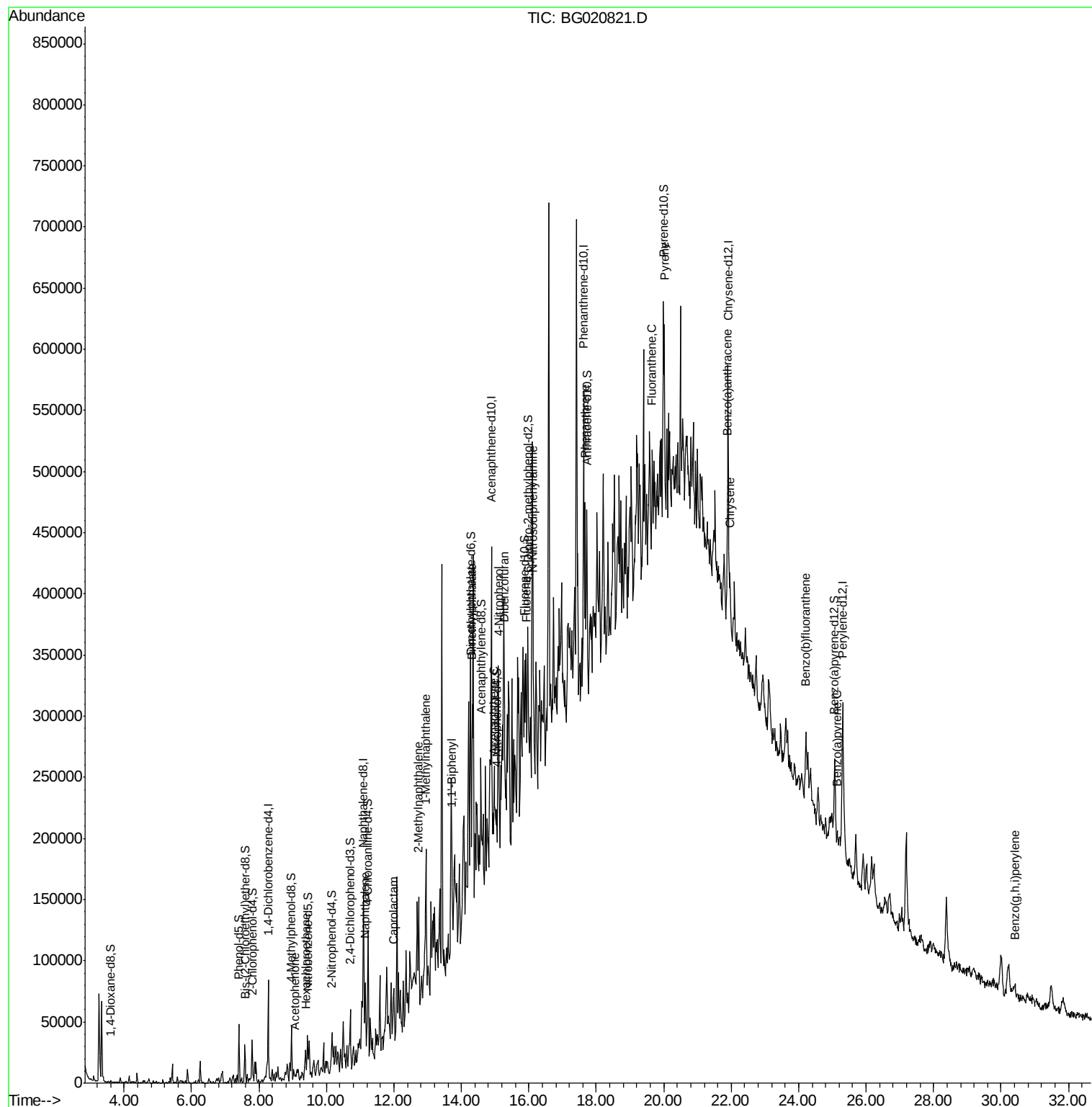
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

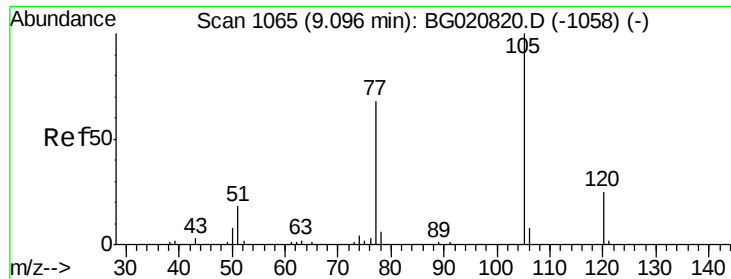
(#) = qualifier out of range (m) = manual integration (+) = signals summed						

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Response via : Initial Calibration





#14

Acetophenone

Concen: 1.07 ng/ul

RT: 9.08 min Scan# 1063

Delta R.T. -0.01 min

Lab File: BG020821.D

Acq: 9 Feb 2016 17:27

Instrument :

BNA_G

ClientSampled :

C04L1

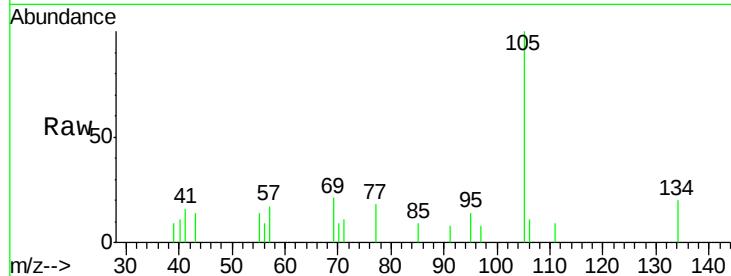
Tgt Ion:105 Resp: 3746

Ion Ratio Lower Upper

105 100

77 17.8 54.9 82.3#

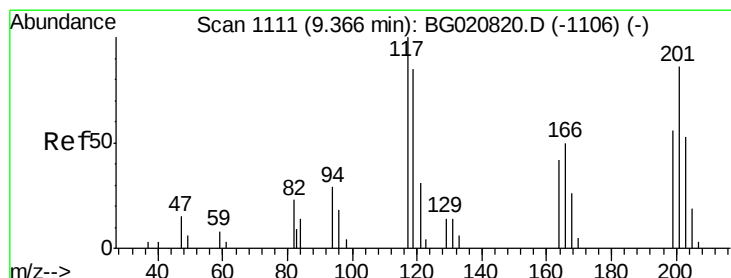
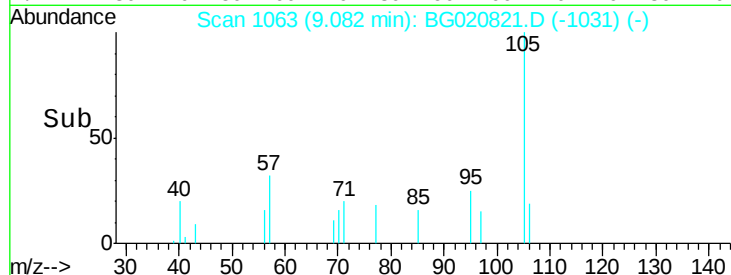
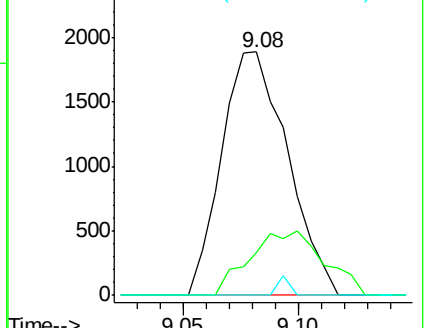
51 0.0 14.7 22.1#



Abundance Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BGC

Ion 51.00 (50.70 to 51.70): BGC



#17

Hexachloroethane

Concen: 2.07 ng/ul

RT: 9.39 min Scan# 1116

Delta R.T. 0.03 min

Lab File: BG020821.D

Acq: 9 Feb 2016 17:27

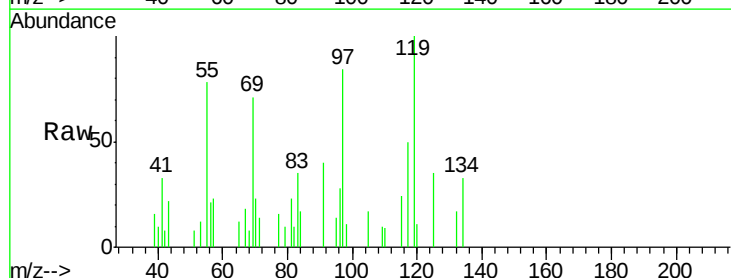
Tgt Ion:117 Resp: 1653

Ion Ratio Lower Upper

117 100

201 0.0 68.7 103.1#

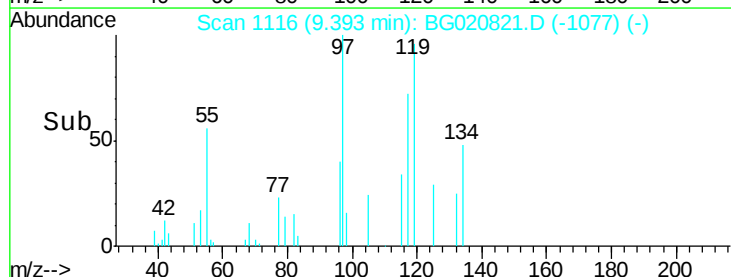
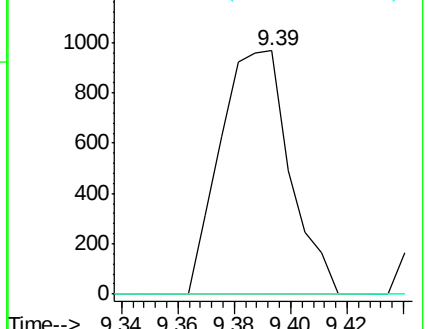
199 0.0 43.4 65.2#

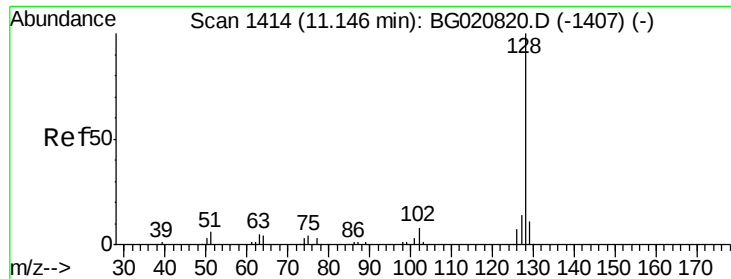


Abundance Ion 117.00 (116.70 to 117.70): E

Ion 201.00 (200.70 to 201.70): E

Ion 199.00 (198.70 to 199.70): E

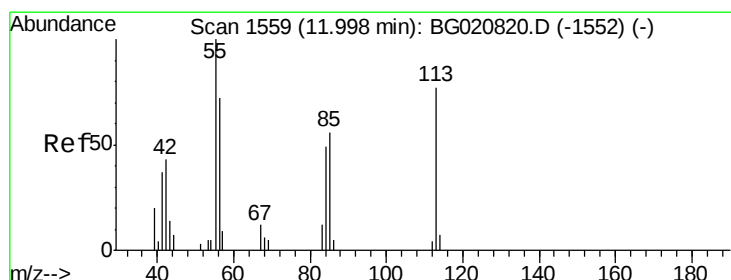
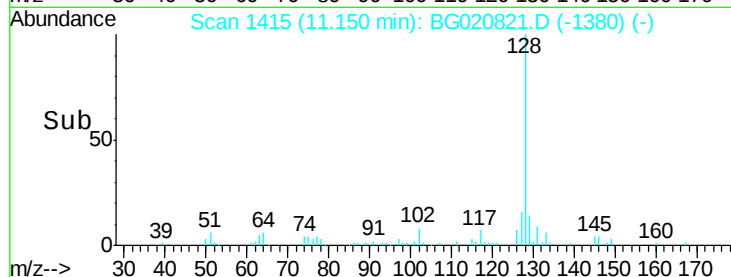
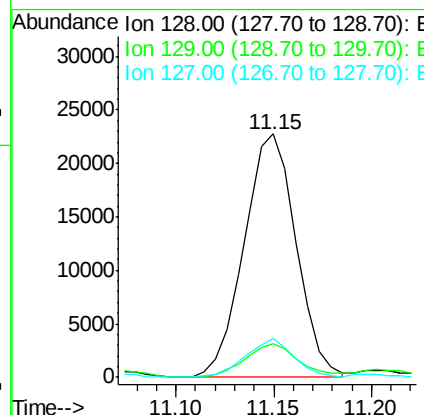
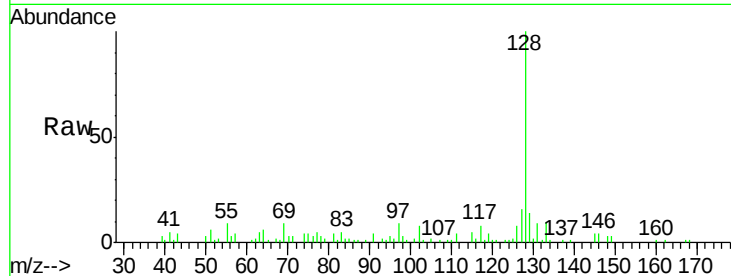




#28
Naphthalene
Concen: 6.16 ng/ul
RT: 11.15 min Scan# 1415
Delta R.T. 0.00 min
Lab File: BG020821.D
Acq: 9 Feb 2016 17:27

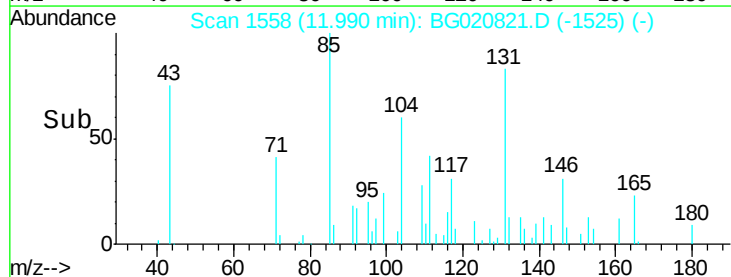
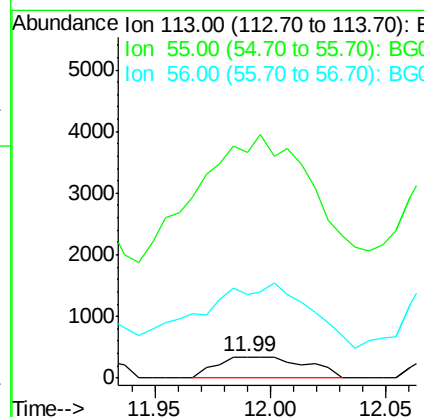
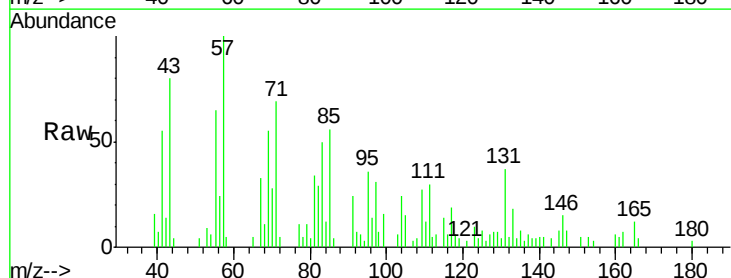
Instrument :
BNA_G
ClientSampleId :
C04L1

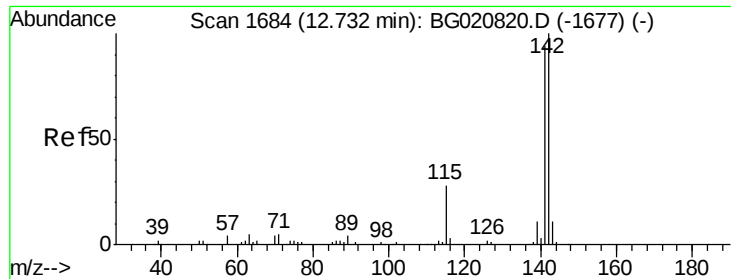
Tgt Ion:128 Resp: 41924
Ion Ratio Lower Upper
128 100
129 13.9 9.0 13.4#
127 15.7 10.6 15.8



#32
Caprolactam
Concen: 1.16 ng/ul
RT: 11.99 min Scan# 1558
Delta R.T. -0.01 min
Lab File: BG020821.D
Acq: 9 Feb 2016 17:27

Tgt Ion:113 Resp: 931
Ion Ratio Lower Upper
113 100
55 1049.3 101.9 152.9#
56 386.5 78.2 117.2#

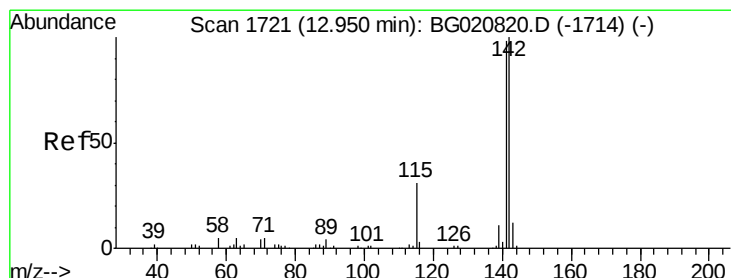
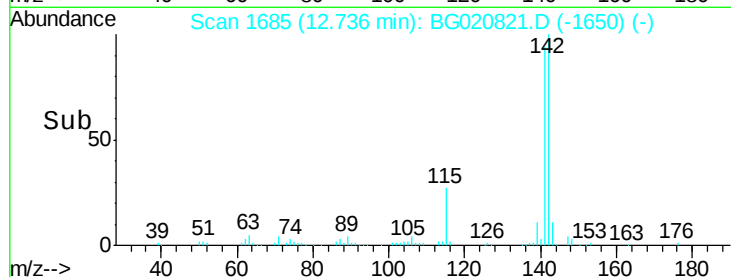
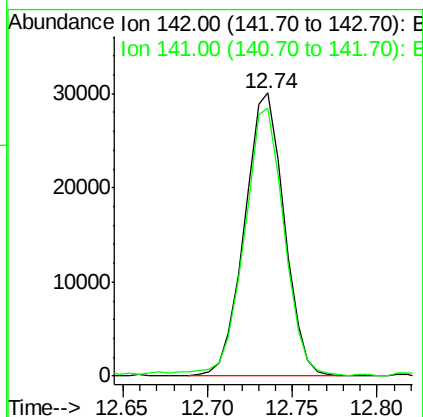
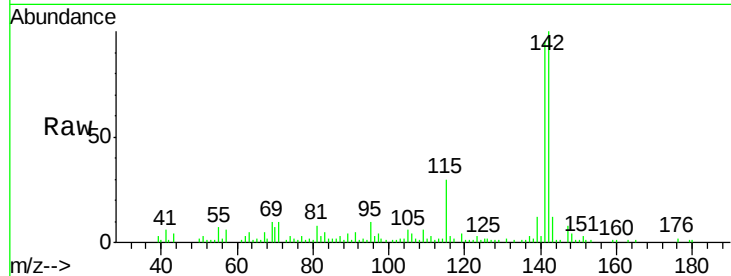




#34
2-Methylnaphthalene
Concen: 9.54 ng/ul
RT: 12.74 min Scan# 1685
Delta R.T. 0.00 min
Lab File: BG020821.D
Acq: 9 Feb 2016 17:27

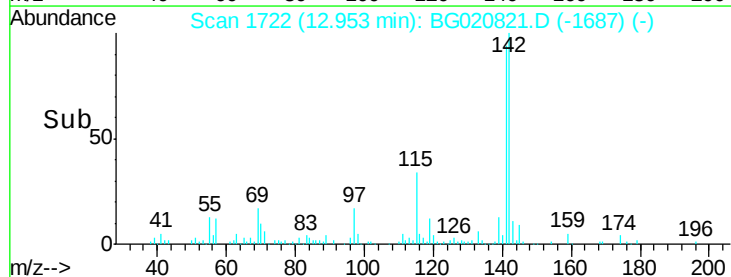
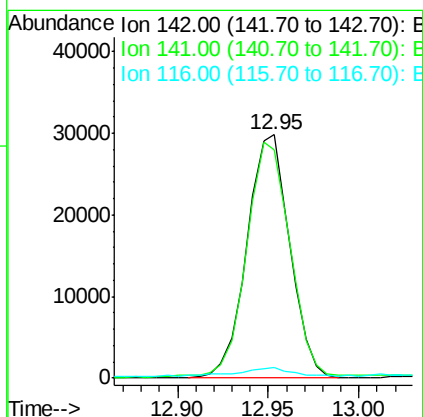
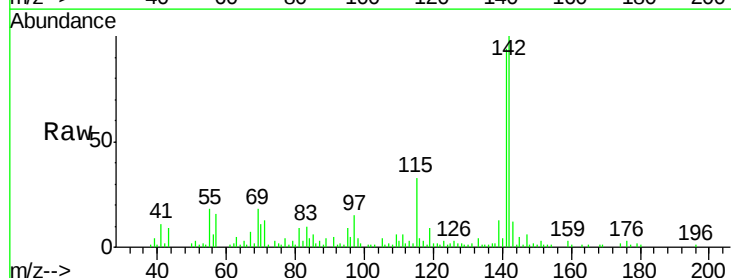
Instrument :
BNA_G
ClientSampleId :
C04L1

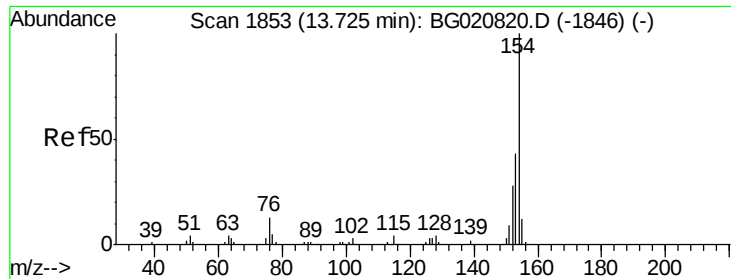
Tgt Ion:142 Resp: 49153
Ion Ratio Lower Upper
142 100
141 94.7 74.0 111.0



#35
1-Methylnaphthalene
Concen: 10.06 ng/ul
RT: 12.95 min Scan# 1722
Delta R.T. 0.00 min
Lab File: BG020821.D
Acq: 9 Feb 2016 17:27

Tgt Ion:142 Resp: 49067
Ion Ratio Lower Upper
142 100
141 93.9 77.0 115.4
116 4.5 2.6 3.8#





#41

1,1'-Biphenyl

Concen: 1.39 ng/ul

RT: 13.72 min Scan# 1853

Delta R.T. -0.00 min

Lab File: BG020821.D

Acq: 9 Feb 2016 17:27

Instrument :

BNA_G

ClientSampleId :

C04L1

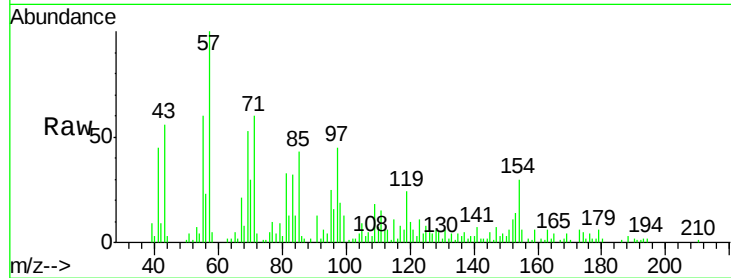
Tgt Ion:154 Resp: 7699

Ion Ratio Lower Upper

154 100

153 45.5 34.2 51.2

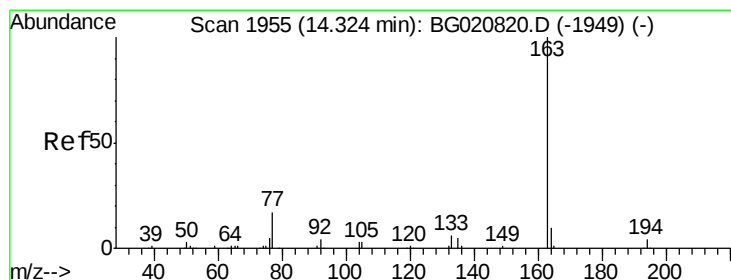
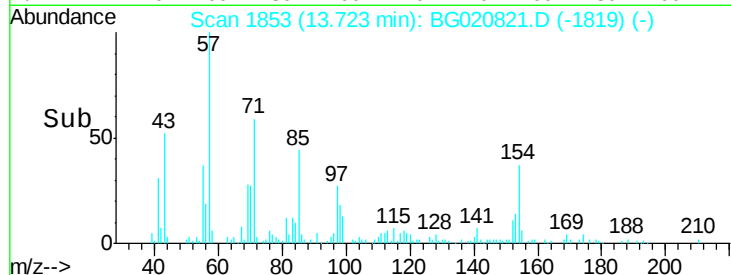
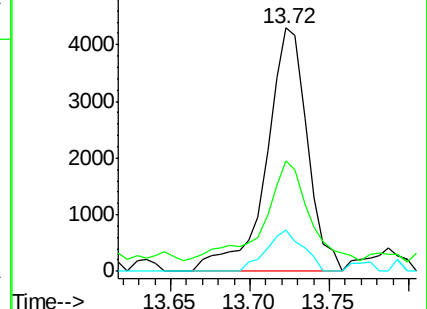
76 17.1 11.6 17.4



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 76.00 (75.70 to 76.70): BGC



#45

Dimethylphthalate

Concen: 4.53 ng/ul

RT: 14.33 min Scan# 1956

Delta R.T. 0.00 min

Lab File: BG020821.D

Acq: 9 Feb 2016 17:27

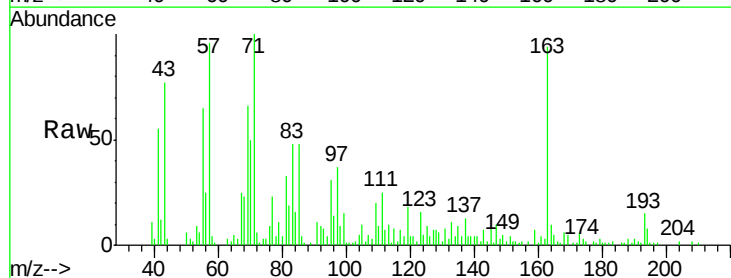
Tgt Ion:163 Resp: 25465

Ion Ratio Lower Upper

163 100

194 8.7 3.0 4.6#

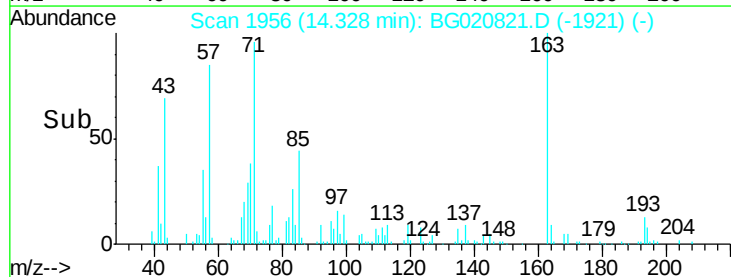
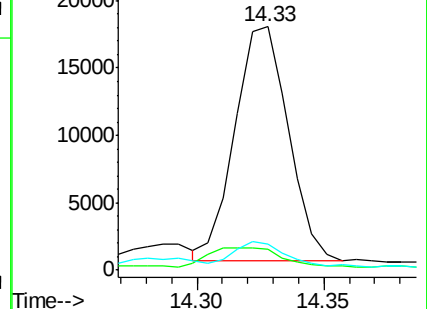
164 10.8 7.7 11.5

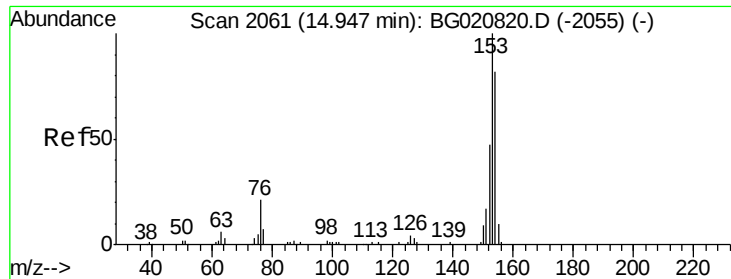


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E





#50

Acenaphthene

Concen: 1.02 ng/ul

RT: 14.95 min Scan# 2062

Delta R.T. 0.00 min

Lab File: BG020821.D

Acq: 9 Feb 2016 17:27

Instrument :

BNA_G

ClientSampleId :

C04L1

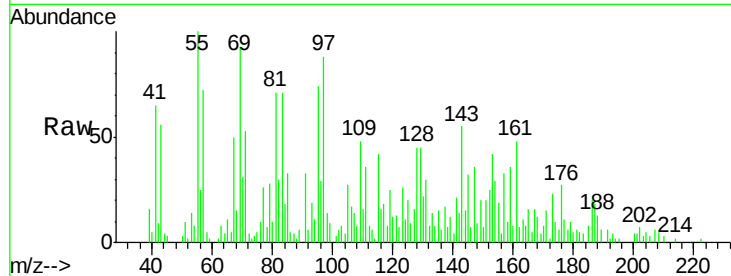
Tgt Ion:153 Resp: 5157

Ion Ratio Lower Upper

153 100

152 59.2 40.6 61.0

154 70.2 68.7 103.1

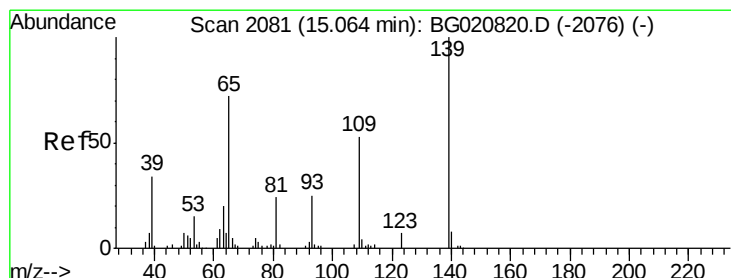
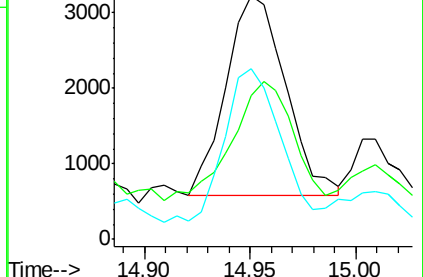
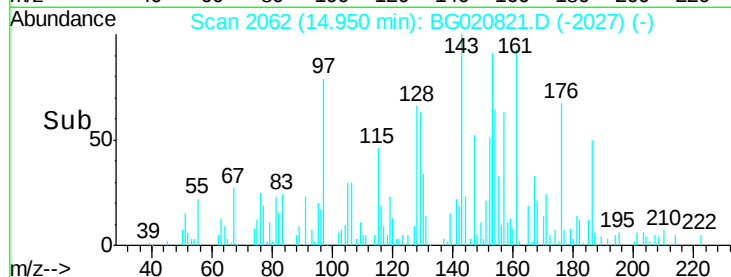


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E

Time-->



#53

4-Nitrophenol

Concen: 1.51 ng/ul

RT: 15.09 min Scan# 2085

Delta R.T. 0.02 min

Lab File: BG020821.D

Acq: 9 Feb 2016 17:27

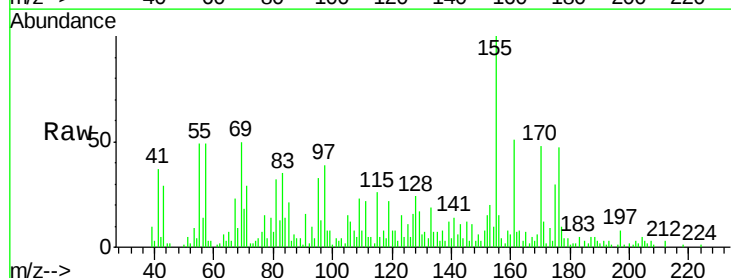
Tgt Ion:109 Resp: 927

Ion Ratio Lower Upper

109 100

139 52.0 150.5 225.7#

65 29.5 103.9 155.9#

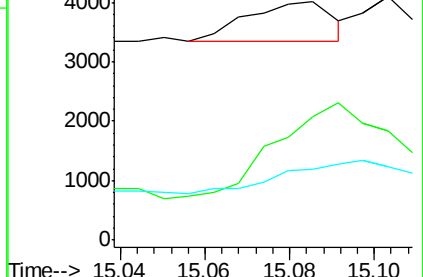
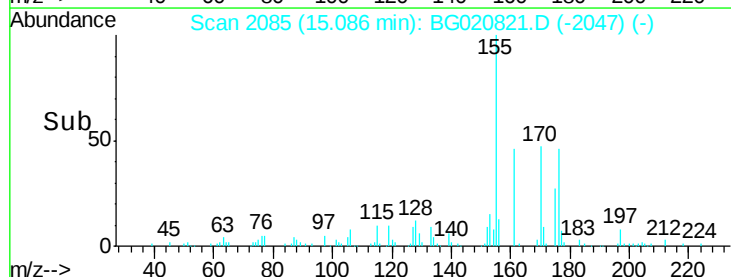


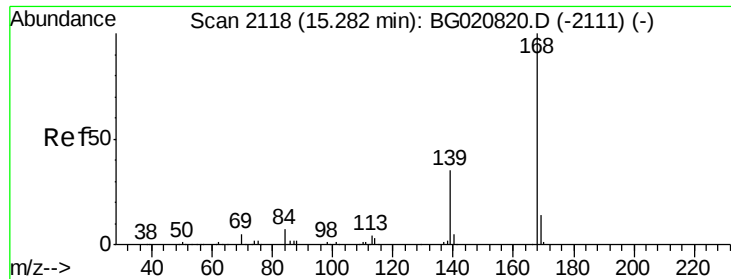
Abundance Ion 109.00 (108.70 to 109.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 65.00 (64.70 to 65.70): BGC

Time-->





#54

Dibenzenofuran

Concen: 2.81 ng/ul

RT: 15.28 min Scan# 2118

Delta R.T. -0.00 min

Lab File: BG020821.D

Acq: 9 Feb 2016 17:27

Instrument :

BNA_G

ClientSampled :

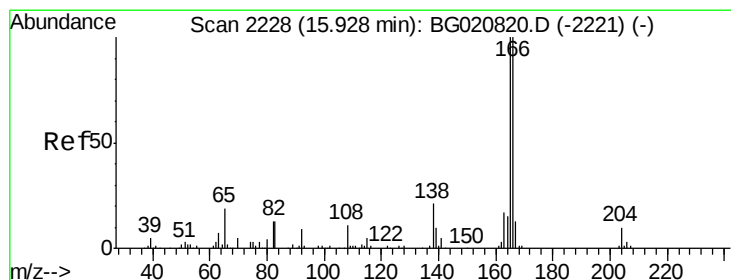
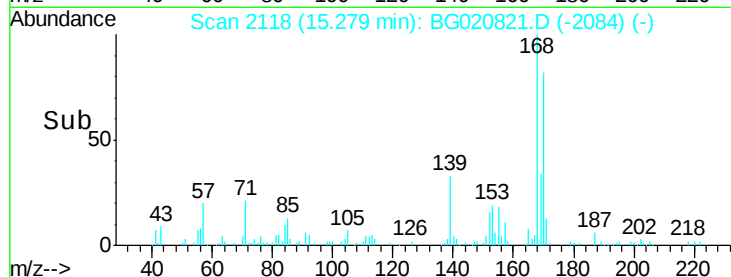
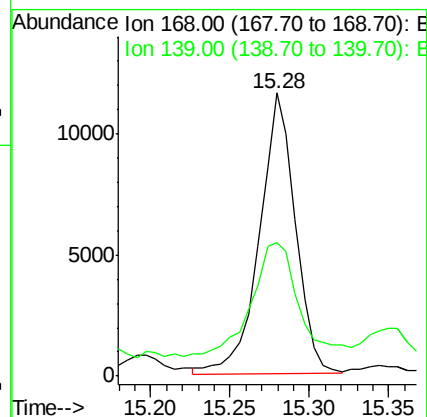
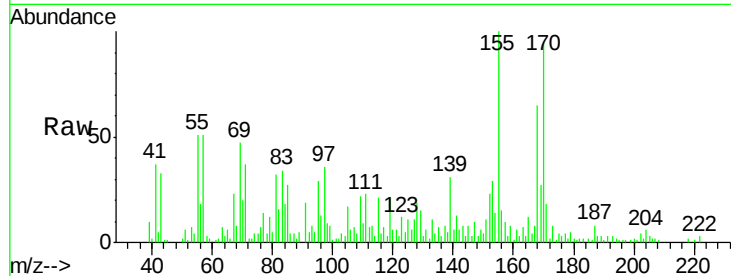
C04L1

Tgt Ion:168 Resp: 18419

Ion Ratio Lower Upper

168 100

139 47.2 27.8 41.8#



#59

Fluorene

Concen: 1.58 ng/ul

RT: 15.93 min Scan# 2228

Delta R.T. -0.00 min

Lab File: BG020821.D

Acq: 9 Feb 2016 17:27

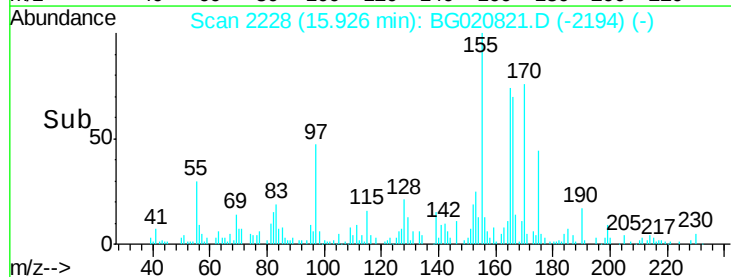
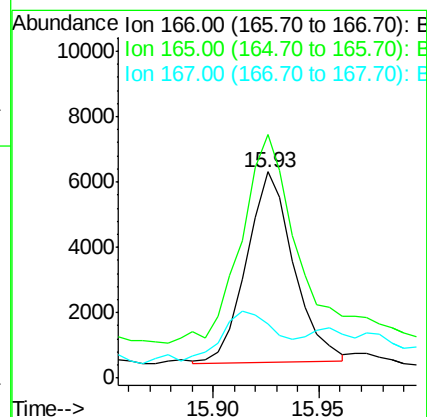
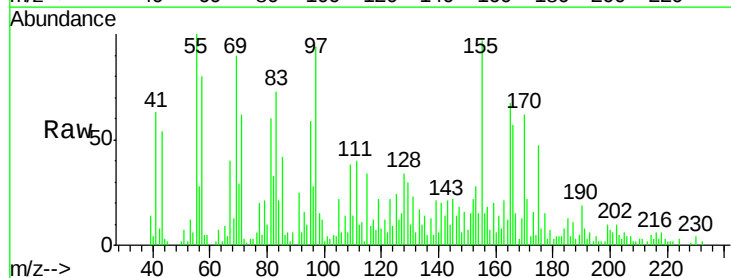
Tgt Ion:166 Resp: 9020

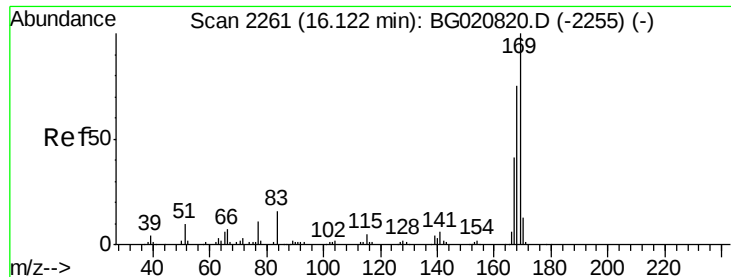
Ion Ratio Lower Upper

166 100

165 118.2 81.6 122.4

167 26.2 10.6 15.8#





#65

N-Nitrosodiphenylamine

Concen: 4.03 ng/ul

RT: 16.13 min Scan# 2263

Delta R.T. 0.01 min

Lab File: BG020821.D

Acq: 9 Feb 2016 17:27

Instrument :

BNA_G

ClientSampleId :

C04L1

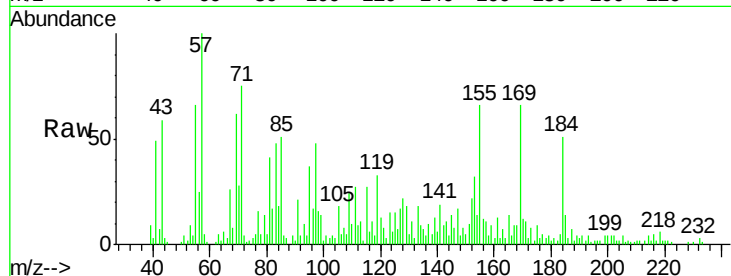
Tgt Ion:169 Resp: 16280

Ion Ratio Lower Upper

169 100

168 13.7 60.6 90.8#

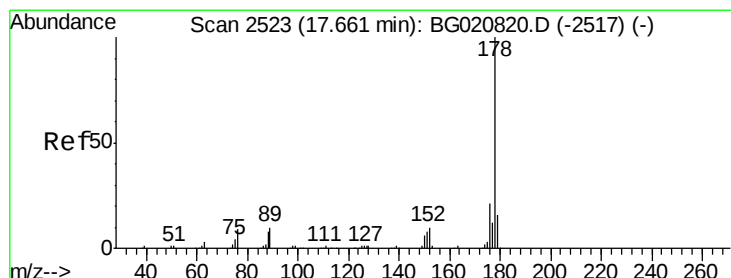
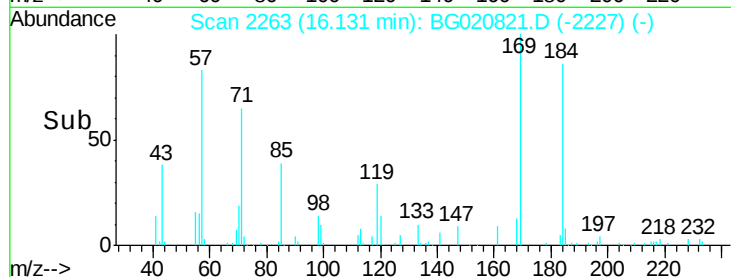
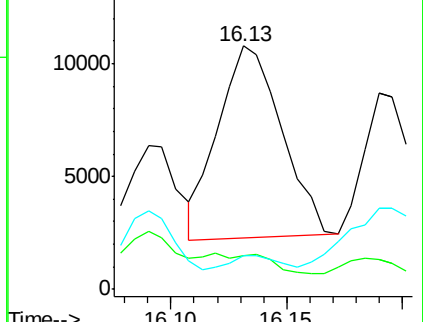
167 13.6 32.0 48.0#



Abundance Ion 169.00 (168.70 to 169.70): E

Ion 168.00 (167.70 to 168.70): E

Ion 167.00 (166.70 to 167.70): E



#70

Phenanthrene

Concen: 11.13 ng/ul

RT: 17.66 min Scan# 2524

Delta R.T. 0.00 min

Lab File: BG020821.D

Acq: 9 Feb 2016 17:27

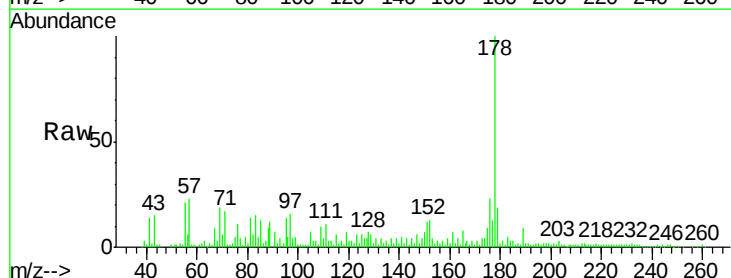
Tgt Ion:178 Resp: 82494

Ion Ratio Lower Upper

178 100

179 18.8 12.6 19.0

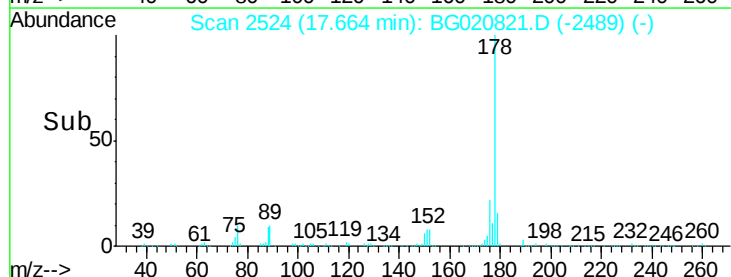
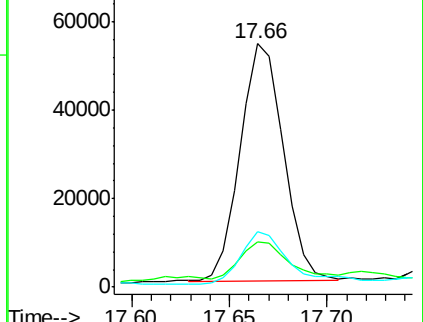
176 22.7 16.0 24.0

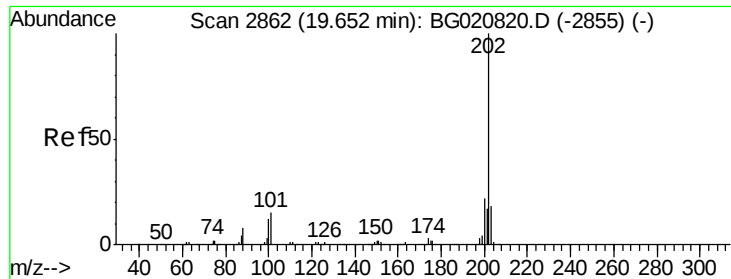


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#77

Fluoranthene

Concen: 5.37 ng/ul

RT: 19.66 min Scan# 2863

Delta R.T. 0.00 min

Lab File: BG020821.D

Acq: 9 Feb 2016 17:27

Instrument :

BNA_G

ClientSampleId :

C04L1

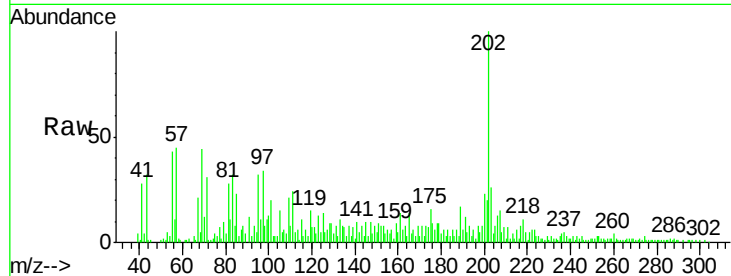
Tgt Ion:202 Resp: 41162

Ion Ratio Lower Upper

202 100

101 19.9 12.5 18.7#

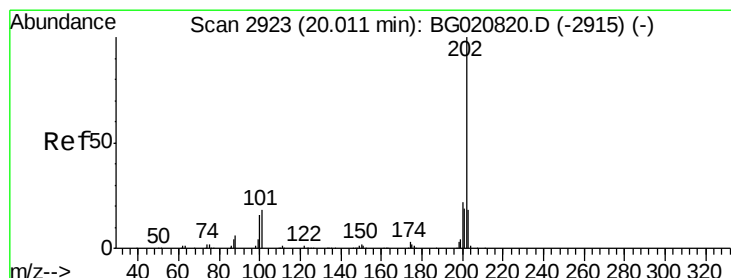
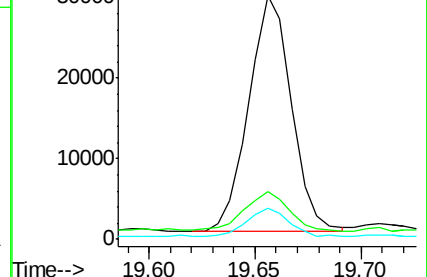
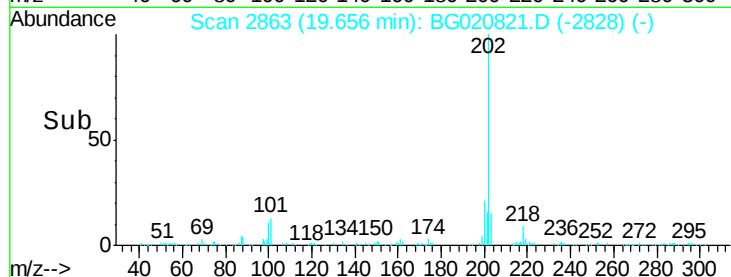
100 12.9 9.9 14.9



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B



#80

Pyrene

Concen: 6.23 ng/ul

RT: 20.02 min Scan# 2925

Delta R.T. 0.01 min

Lab File: BG020821.D

Acq: 9 Feb 2016 17:27

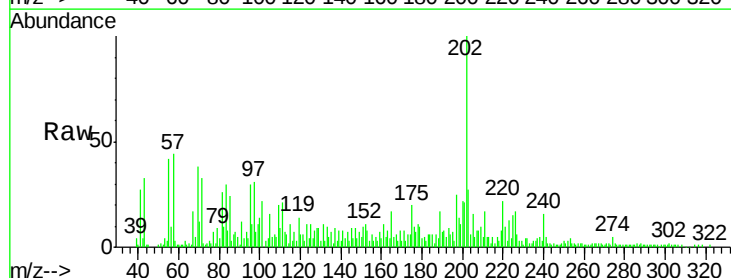
Tgt Ion:202 Resp: 50786

Ion Ratio Lower Upper

202 100

101 21.8 13.5 20.3#

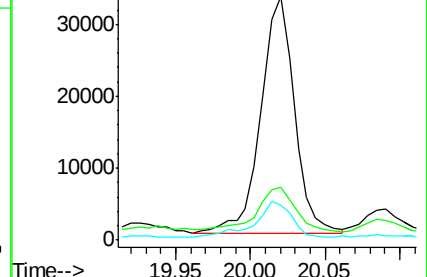
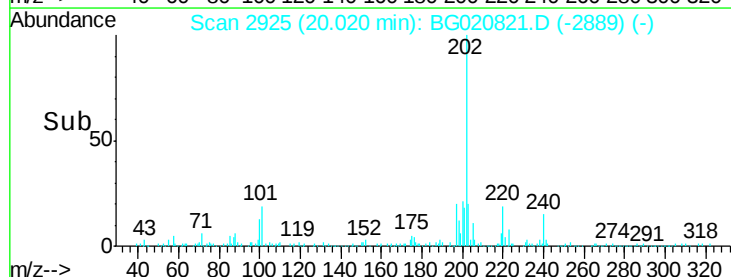
100 14.2 11.7 17.5

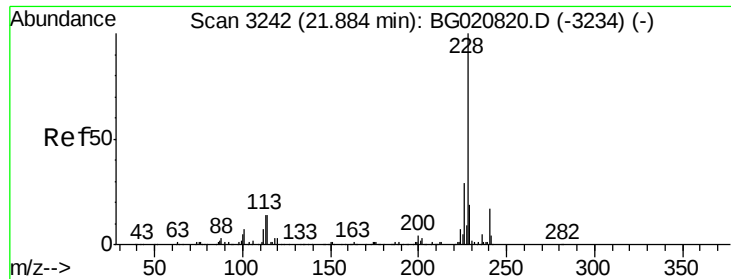


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B

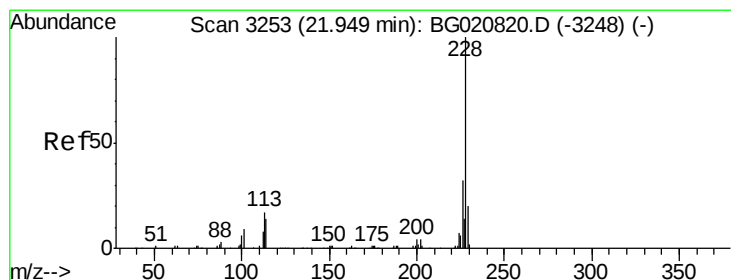
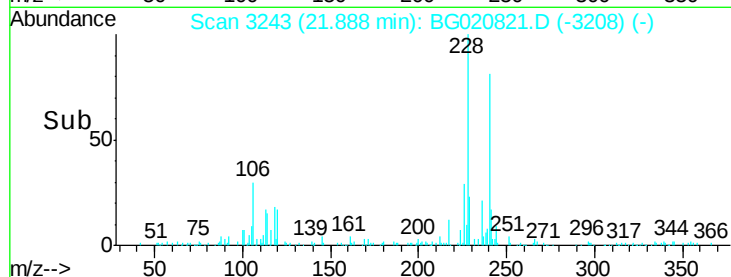
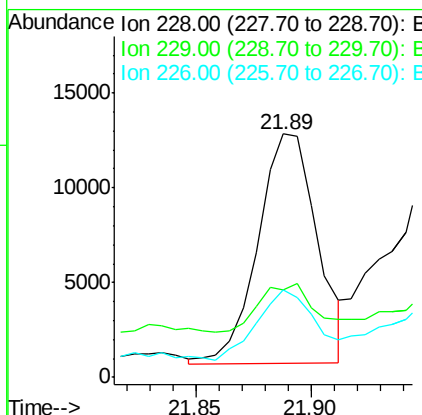
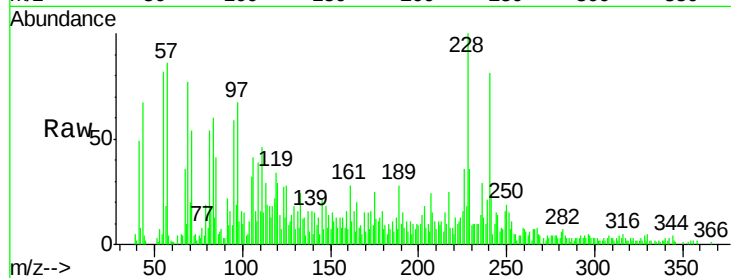




#83
Benzo(a)anthracene
Concen: 2.93 ng/ul
RT: 21.89 min Scan# 3243
Delta R.T. 0.00 min
Lab File: BG020821.D
Acq: 9 Feb 2016 17:27

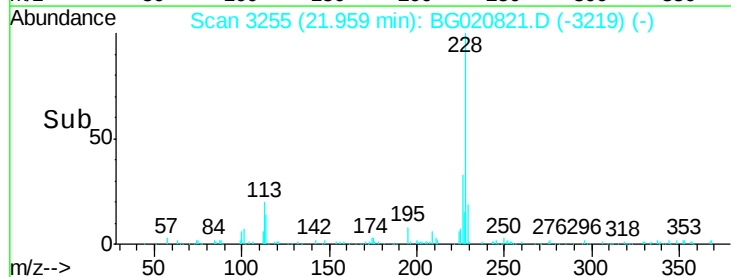
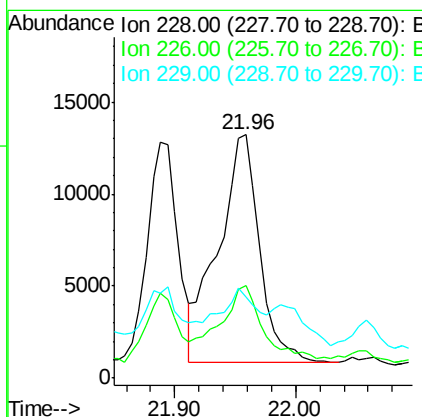
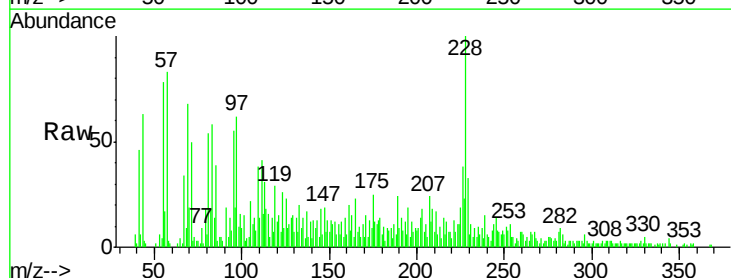
Instrument :
BNA_G
ClientSampleId :
C04L1

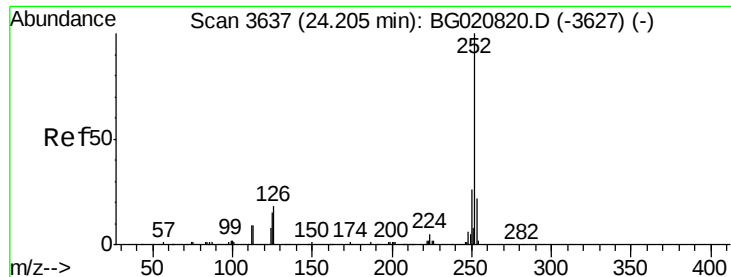
Tgt Ion:228 Resp: 21599
Ion Ratio Lower Upper
228 100
229 35.8 14.8 22.2#
226 35.9 23.0 34.4#



#85
Chrysene
Concen: 4.33 ng/ul
RT: 21.96 min Scan# 3255
Delta R.T. 0.01 min
Lab File: BG020821.D
Acq: 9 Feb 2016 17:27

Tgt Ion:228 Resp: 29373
Ion Ratio Lower Upper
228 100
226 38.0 24.4 36.6#
229 33.3 15.8 23.6#





#88

Benzo(b)fluoranthene

Concen: 3.21 ng/ul

RT: 24.22 min Scan# 3640

Delta R.T. 0.02 min

Lab File: BG020821.D

Acq: 9 Feb 2016 17:27

Instrument :

BNA_G

ClientSampleId :

C04L1

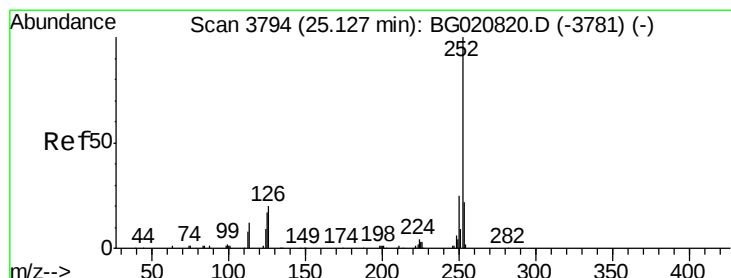
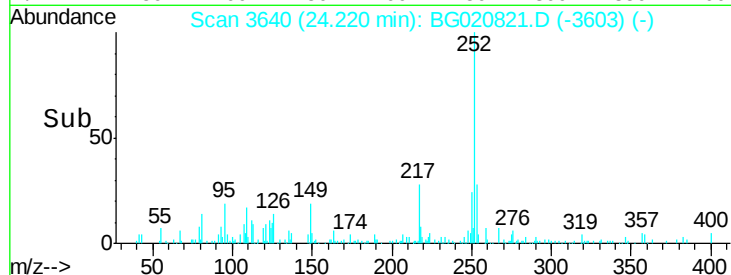
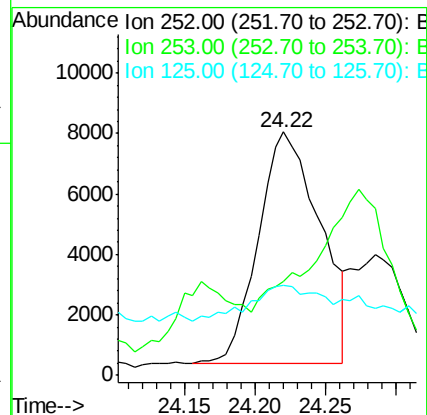
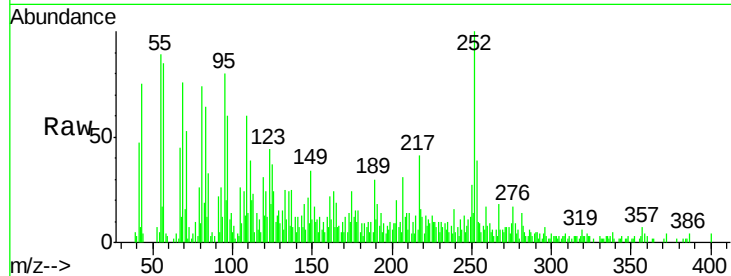
Tgt Ion:252 Resp: 23488

Ion Ratio Lower Upper

252 100

253 38.5 17.1 25.7#

125 37.0 12.5 18.7#



#91

Benzo(a)pyrene

Concen: 2.28 ng/ul

RT: 25.14 min Scan# 3797

Delta R.T. 0.02 min

Lab File: BG020821.D

Acq: 9 Feb 2016 17:27

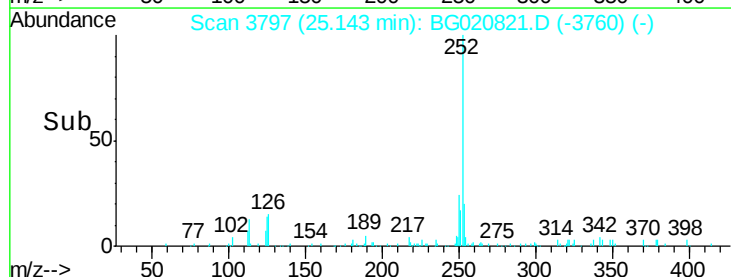
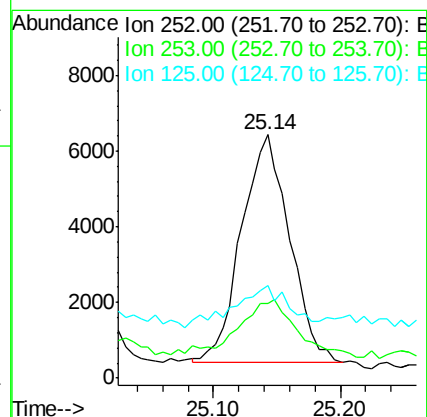
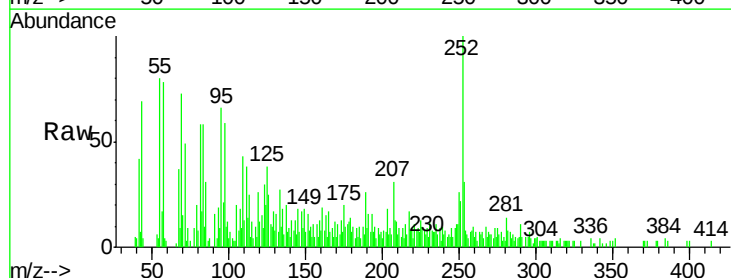
Tgt Ion:252 Resp: 15785

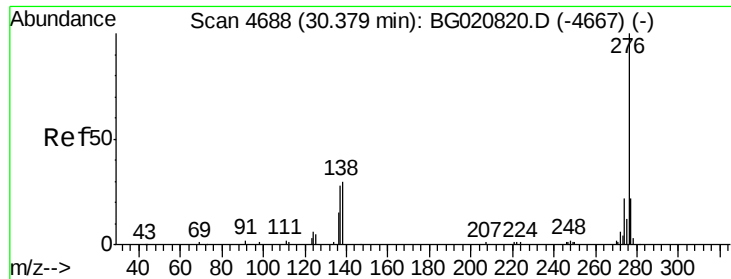
Ion Ratio Lower Upper

252 100

253 30.6 17.3 25.9#

125 37.8 14.2 21.2#





#94

Benzo(g,h,i)perylene

Concen: 1.72 ng/ul

RT: 30.40 min Scan# 4692

Delta R.T. 0.02 min

Lab File: BG020821.D

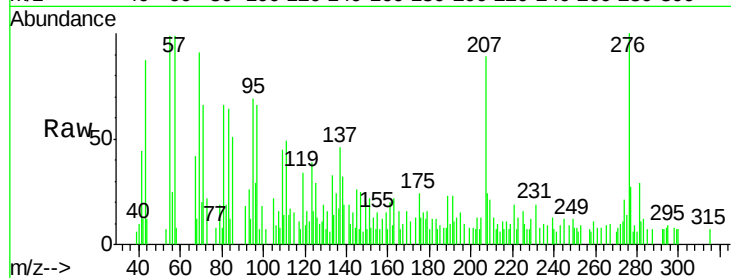
Acq: 9 Feb 2016 17:27

Instrument :

BNA_G

ClientSampleId :

C04L1



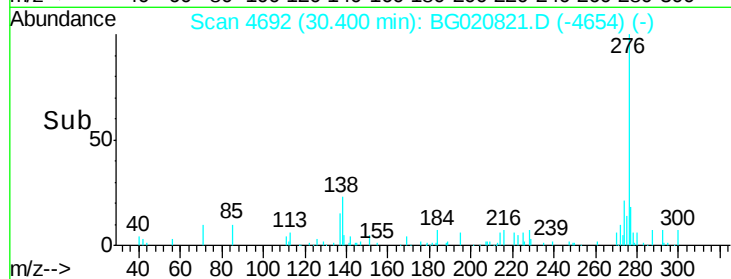
Tgt Ion: 276 Resp: 11237

Ion Ratio Lower Upper

276 100

138 32.5 24.4 36.6

277 26.6 18.7 28.1



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

