

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG020116\
 Data File : BG020775.D
 Acq On : 1 Feb 2016 17:36
 Operator : SJ/IZ
 Sample : H1280-08
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 X2251

Quant Time: Feb 02 10:15:53 2016
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG012716.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Tue Feb 02 02:25:13 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.28	152	14883	20.00	ng/ul	0.00
18) Naphthalene-d8	11.10	136	74773	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.89	164	46120	20.00	ng/ul	0.00
62) Phenanthrene-d10	17.62	188	103262	20.00	ng/ul	0.00
78) Chrysene-d12	21.90	240	92589	20.00	ng/ul	0.00
86) Perylene-d12	25.28	264	87373	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.61	96	1410	4.54	ng/uL	0.00
5) Phenol-d5	7.41	99	39142	25.69	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.59	67	23029	29.01	ng/ul	0.00
9) 2-Chlorophenol-d4	7.80	132	29618	25.89	ng/ul	0.00
13) 4-Methylphenol-d8	8.97	113	32833	24.98	ng/ul	0.00
19) Nitrobenzene-d5	9.45	128	13556	29.71	ng/ul	0.00
22) 2-Nitrophenol-d4	10.18	143	9674	24.18	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.71	165	31199	28.57	ng/ul	0.00
29) 4-Chloroaniline-d4	11.23	131	31807	20.71	ng/ul	0.00
44) Dimethylphthalate-d6	14.28	166	123704	31.40	ng/ul	0.00
47) Acenaphthylene-d8	14.58	160	147287	30.68	ng/ul	0.00
52) 4-Nitrophenol-d4	15.05	143	16981	24.37	ng/ul	0.00
58) Fluorene-d10	15.87	176	108966	31.64	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.97	200	6615	19.40	ng/ul	0.00
71) Anthracene-d10	17.72	188	174058	34.28	ng/ul	0.00
79) Pyrene-d10	19.99	212	179222	35.66	ng/ul	0.00
90) Benzo(a)pyrene-d12	25.06	264	175393	37.45	ng/ul	0.00

Target Compounds

						Qvalue
4) Benzaldehyde	7.40	77	59008	69.03	ng/ul#	82
10) 2-Chlorophenol	7.83	128	61794	51.98	ng/ul	92
14) Acetophenone	9.10	105	88414	43.51	ng/ul#	88
16) 4-Methylphenol	9.02	108	45385	31.64	ng/ul	91
17) Hexachloroethane	9.37	117	17960	43.08	ng/ul#	67
27) 2,4-Dichlorophenol	10.73	162	69969	60.54	ng/ul	96
28) Naphthalene	11.15	128	217565	52.16	ng/ul	99
34) 2-Methylnaphthalene	12.74	142	169536	52.83	ng/ul	95
42) 2-Chloronaphthalene	13.78	162	178395	60.20	ng/ul	97
50) Acenaphthene	14.95	153	118747	32.15	ng/ul	98
59) Fluorene	15.93	166	145974	34.61	ng/ul	97
64) 4,6-Dinitro-2-methylphenol	15.99	198	23095	57.26	ng/ul	97
68) Atrazine	17.07	200	66442	58.38	ng/ul	95
70) Phenanthrene	17.67	178	281255	43.37	ng/ul	97
75) Carbazole	18.02	167	417658	72.58	ng/ul#	93
80) Pyrene	20.02	202	393578	56.22	ng/ul#	73
81) Butylbenzylphthalate	20.89	149	164919	60.01	ng/ul#	96
84) Bis(2-ethylhexyl)phthalate	21.78	149	231813	54.47	ng/ul#	93
92) Indeno(1,2,3-cd)pyrene	29.18	276	395488	61.78	ng/ul#	83
93) Dibenzo(a,h)anthracene	29.25	278	251601	47.57	ng/ul#	90
94) Benzo(g,h,i)perylene	30.38	276	245007	46.63	ng/ul#	84

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Response via : Initial Calibration

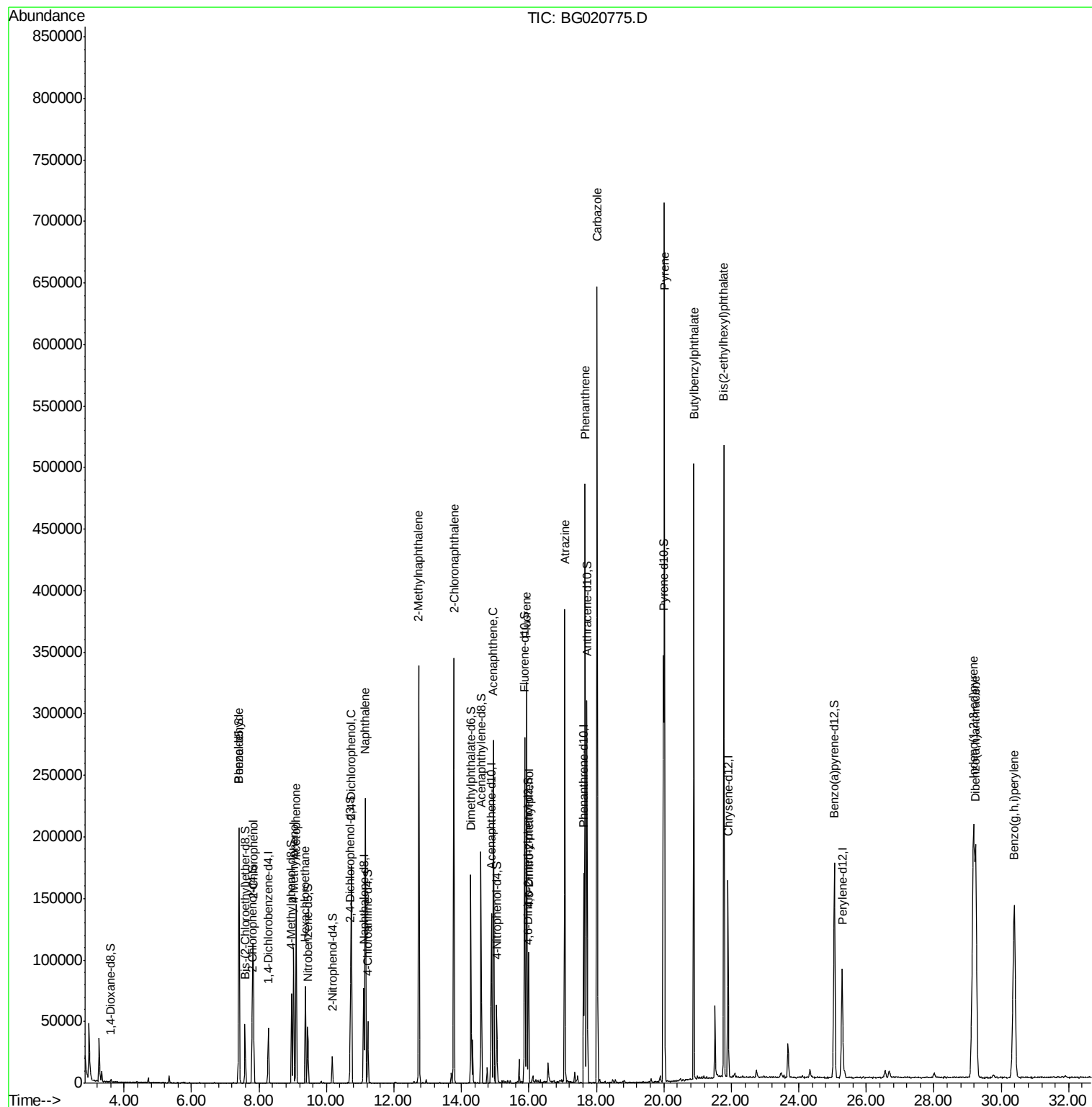
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

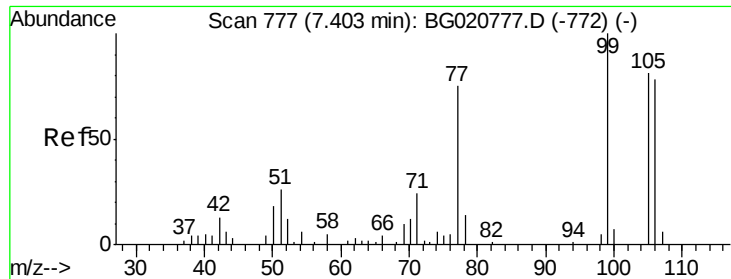
(#) = qualifier out of range (m) = manual integration (+) = signals summed						

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#4

Benzaldehyde

Concen: 69.03 ng/ul

RT: 7.40 min Scan# 777

Delta R.T. -0.00 min

Lab File: BG020775.D

Acq: 1 Feb 2016 17:36

Instrument :

BNA_G

ClientSampled :

X2251

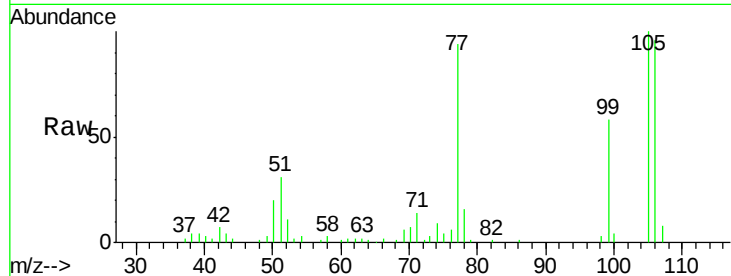
Tgt Ion: 77 Resp: 59008

Ion Ratio Lower Upper

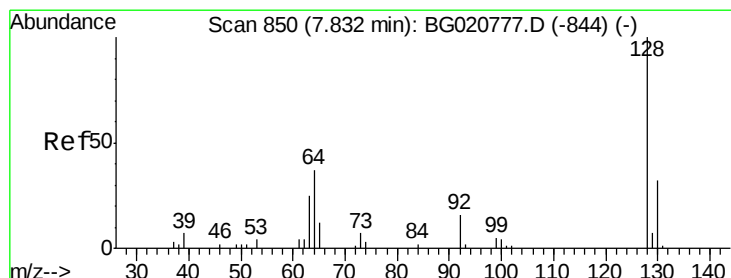
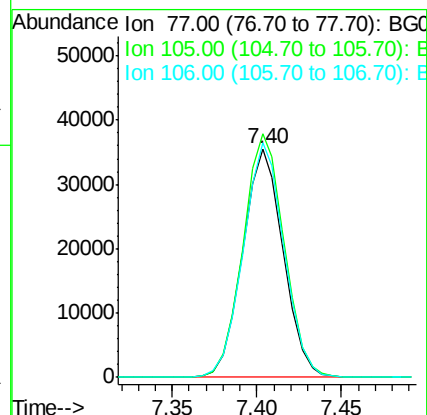
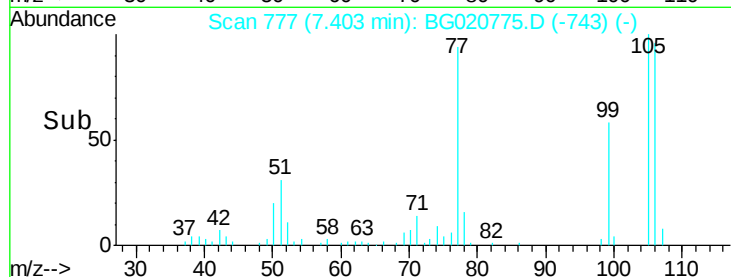
77 100

105 106.6 71.0 106.6#

106 102.9 69.5 104.3



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



#10

2-Chlorophenol

Concen: 51.98 ng/ul

RT: 7.83 min Scan# 850

Delta R.T. -0.00 min

Lab File: BG020775.D

Acq: 1 Feb 2016 17:36

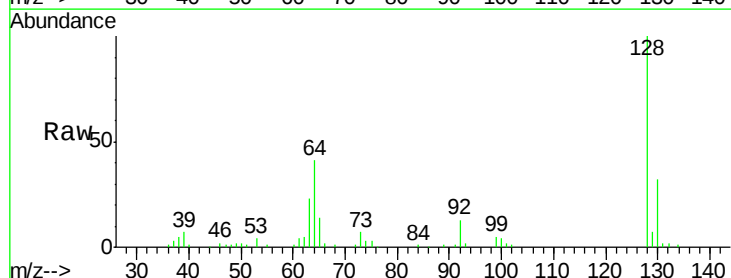
Tgt Ion: 128 Resp: 61794

Ion Ratio Lower Upper

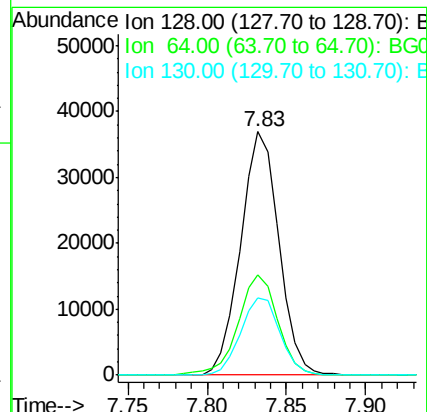
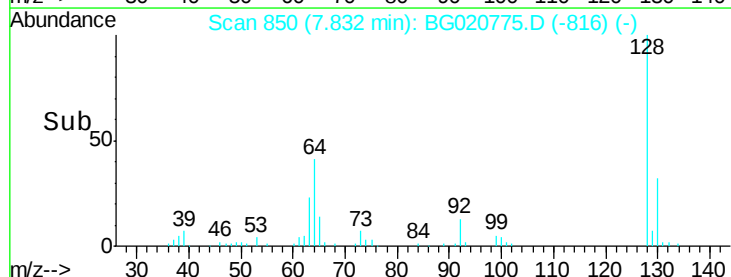
128 100

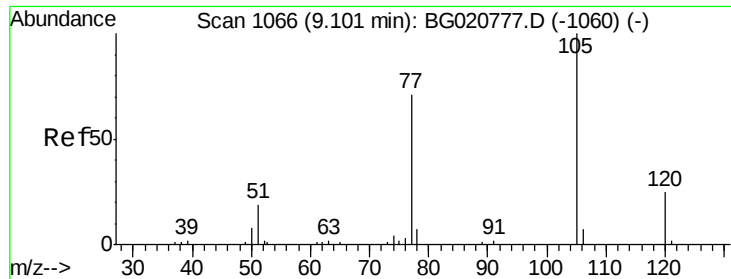
64 41.0 39.8 59.6

130 31.8 25.8 38.8



Abundance Ion 128.00 (127.70 to 128.70): BGC
Ion 64.00 (63.70 to 64.70): BGC
Ion 130.00 (129.70 to 130.70): BGC

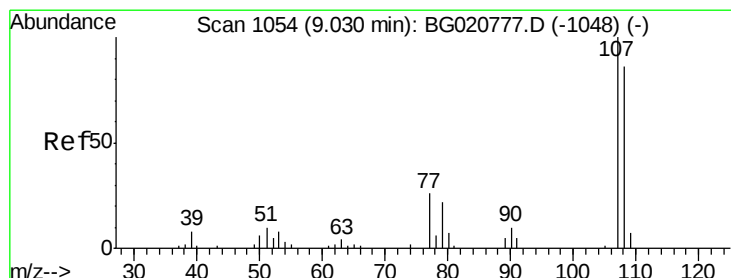
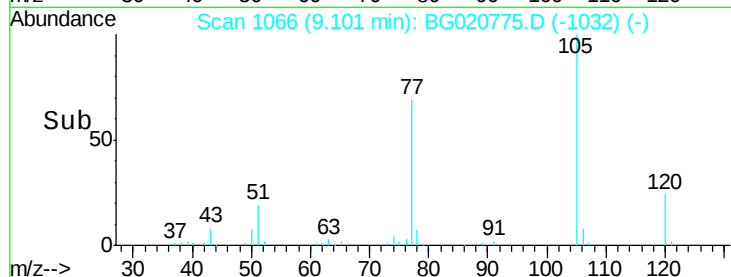
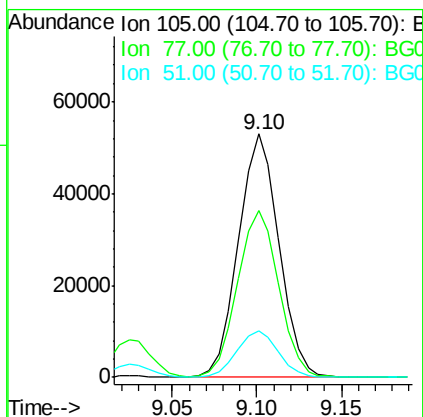
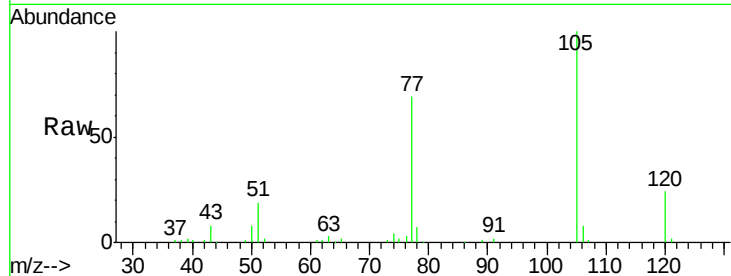




#14
Acetophenone
Concen: 43.51 ng/ul
RT: 9.10 min Scan# 1066
Delta R.T. -0.00 min
Lab File: BG020775.D
Acq: 1 Feb 2016 17:36

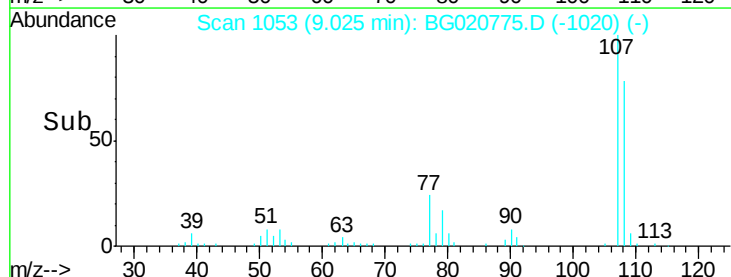
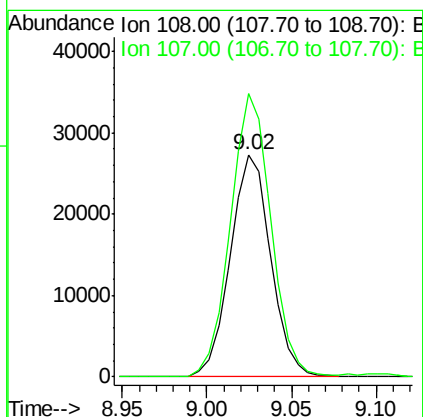
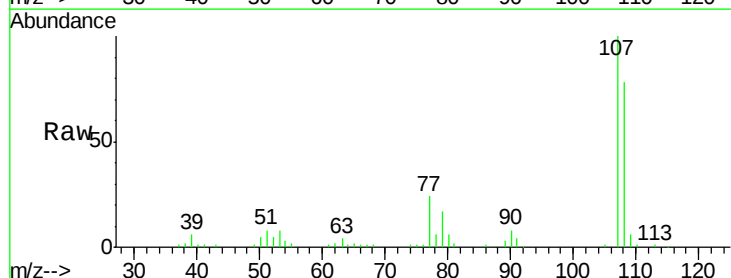
Instrument :
BNA_G
ClientSampleId :
X2251

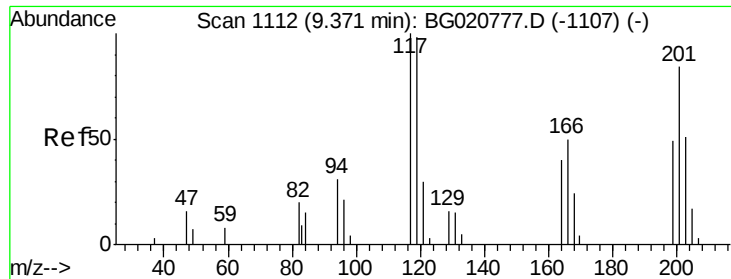
Tgt Ion:105 Resp: 88414
Ion Ratio Lower Upper
105 100
77 68.7 63.2 94.8
51 19.3 19.8 29.8#



#16
4-Methylphenol
Concen: 31.64 ng/ul
RT: 9.02 min Scan# 1053
Delta R.T. -0.01 min
Lab File: BG020775.D
Acq: 1 Feb 2016 17:36

Tgt Ion:108 Resp: 45385
Ion Ratio Lower Upper
108 100
107 127.4 93.6 140.4

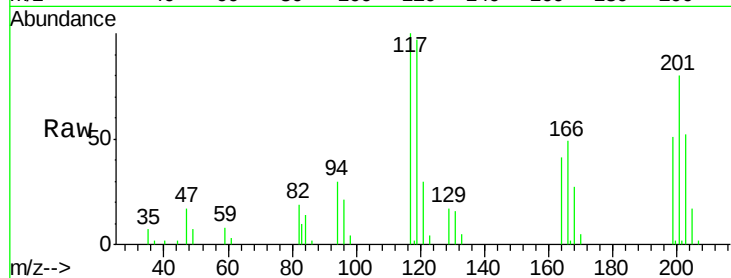




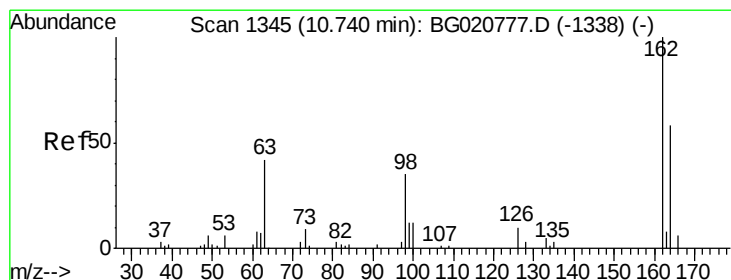
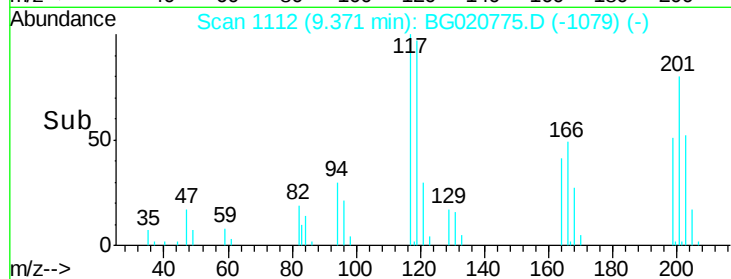
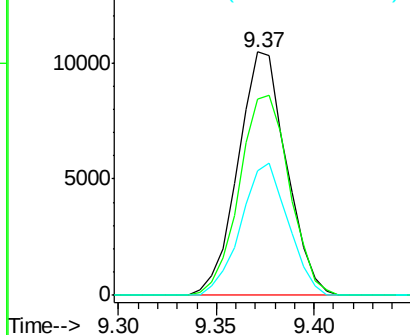
#17
 Hexachloroethane
 Concen: 43.08 ng/ul
 RT: 9.37 min Scan# 1112
 Delta R.T. -0.01 min
 Lab File: BG020775.D
 Acq: 1 Feb 2016 17:36

Instrument :
 BNA_G
 ClientSampleId :
 X2251

Tgt Ion:117 Resp: 17960
 Ion Ratio Lower Upper
 117 100
 201 80.4 96.1 144.1#
 199 51.2 59.7 89.5#

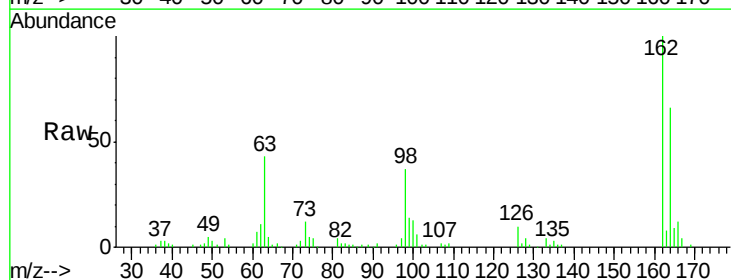


Abundance Ion 117.00 (116.70 to 117.70): E
 Ion 201.00 (200.70 to 201.70): E
 Ion 199.00 (198.70 to 199.70): E

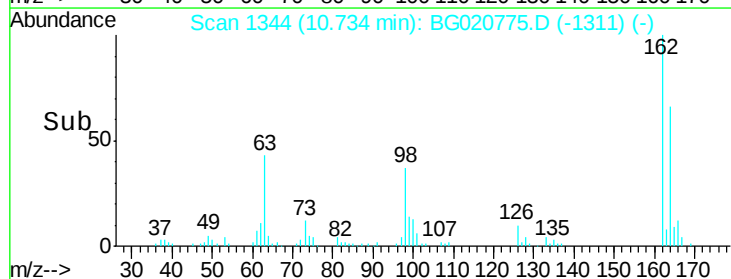
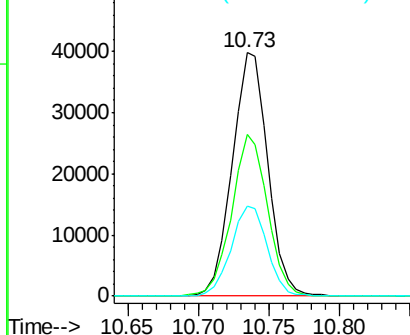


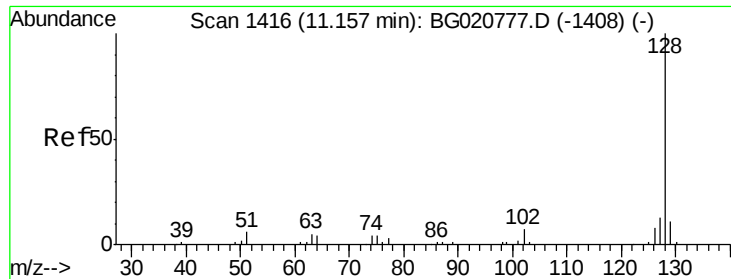
#27
 2,4-Dichlorophenol
 Concen: 60.54 ng/ul
 RT: 10.73 min Scan# 1344
 Delta R.T. -0.01 min
 Lab File: BG020775.D
 Acq: 1 Feb 2016 17:36

Tgt Ion:162 Resp: 69969
 Ion Ratio Lower Upper
 162 100
 164 66.5 52.0 78.0
 98 37.2 26.6 39.8



Abundance Ion 162.00 (161.70 to 162.70): E
 Ion 164.00 (163.70 to 164.70): E
 Ion 98.00 (97.70 to 98.70): BG

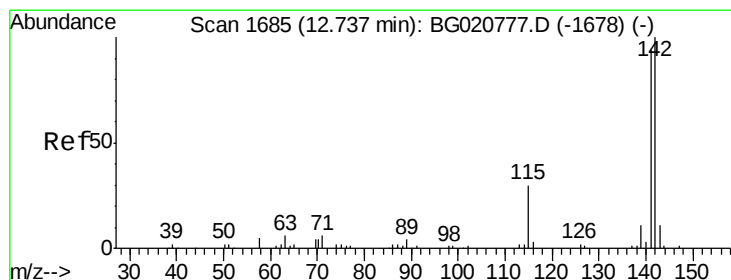
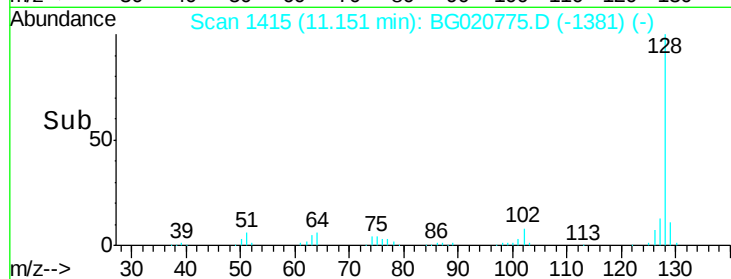
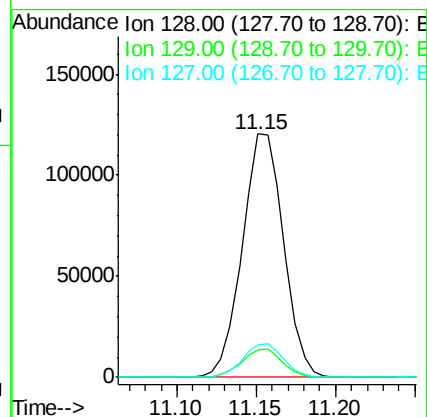
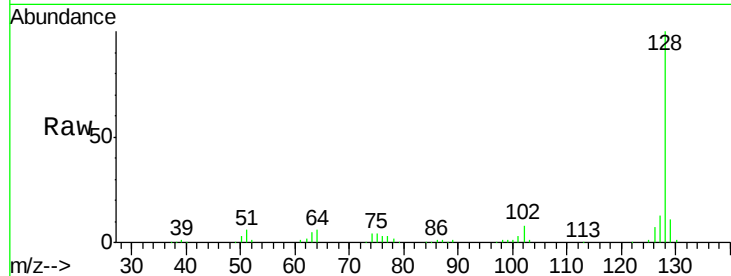




#28
Naphthalene
Concen: 52.16 ng/ul
RT: 11.15 min Scan# 1415
Delta R.T. -0.00 min
Lab File: BG020775.D
Acq: 1 Feb 2016 17:36

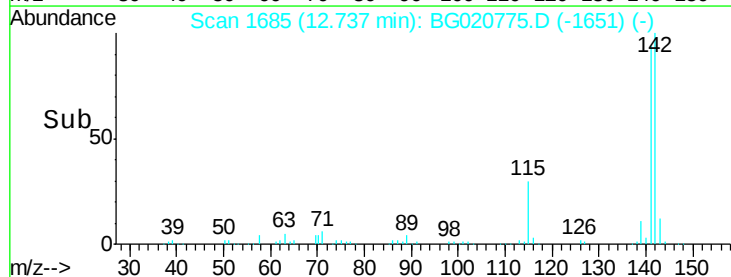
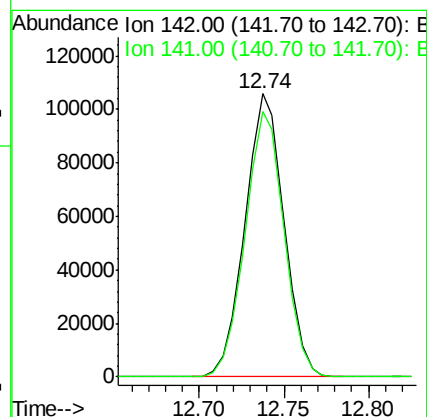
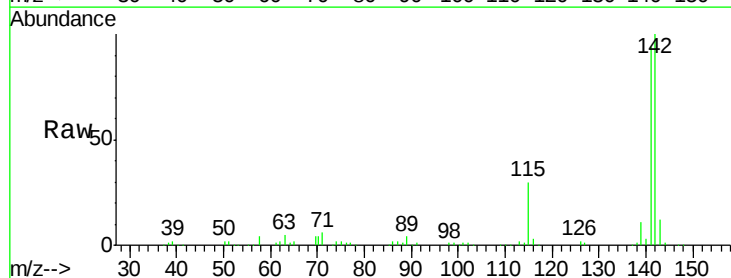
Instrument :
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ClientSampleId :
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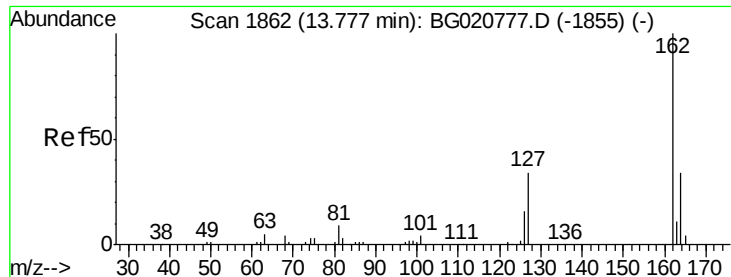
Tgt Ion:128 Resp: 217565
Ion Ratio Lower Upper
128 100
129 11.4 8.3 12.5
127 13.3 10.8 16.2



#34
2-Methylnaphthalene
Concen: 52.83 ng/ul
RT: 12.74 min Scan# 1685
Delta R.T. -0.00 min
Lab File: BG020775.D
Acq: 1 Feb 2016 17:36

Tgt Ion:142 Resp: 169536
Ion Ratio Lower Upper
142 100
141 93.6 71.4 107.2

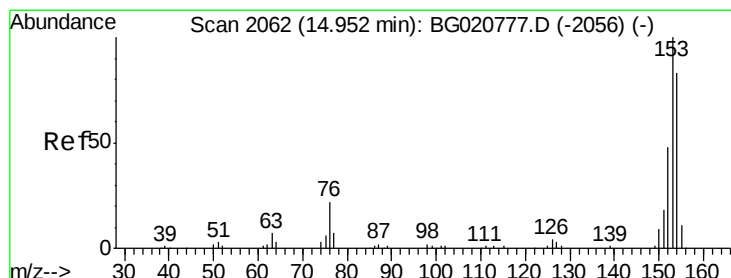
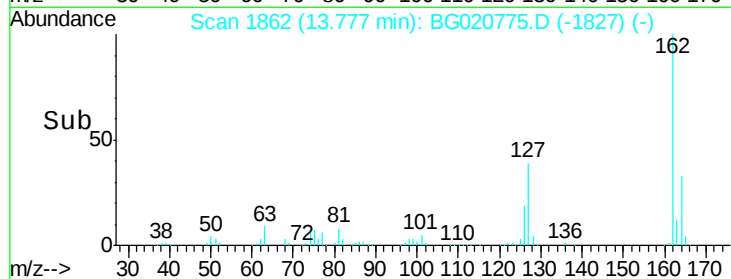
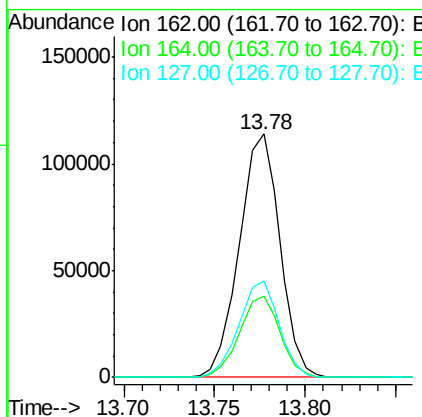
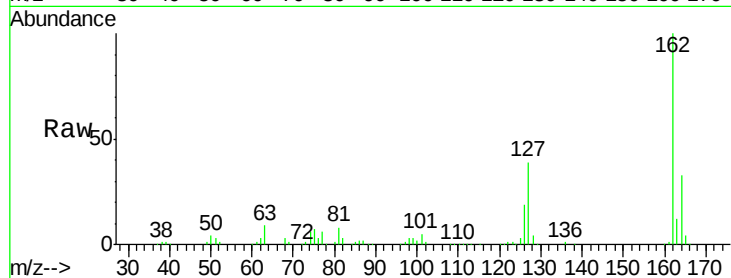




#42
 2-Chloronaphthalene
 Concen: 60.20 ng/ul
 RT: 13.78 min Scan# 1862
 Delta R.T. 0.01 min
 Lab File: BG020775.D
 Acq: 1 Feb 2016 17:36

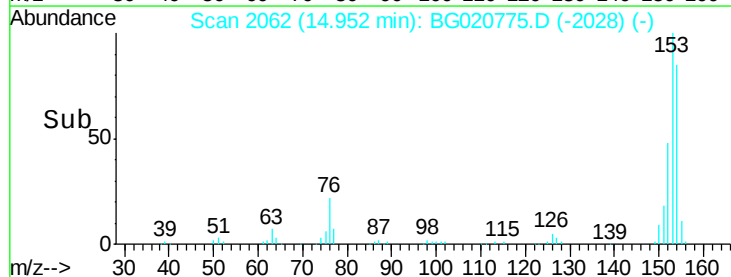
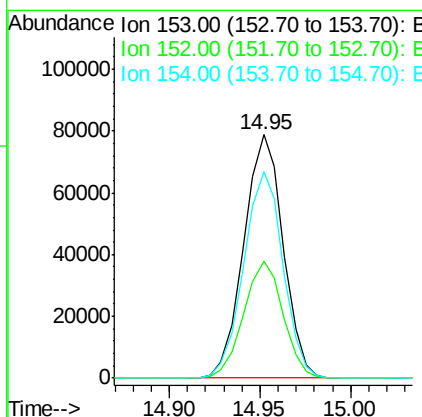
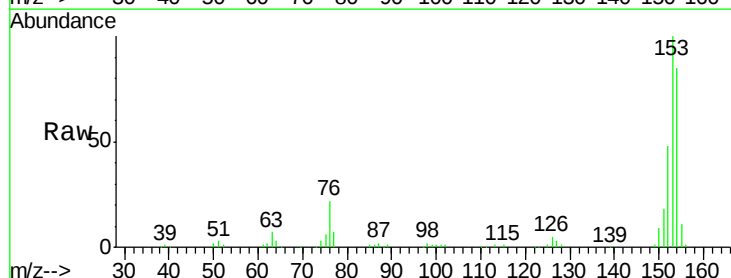
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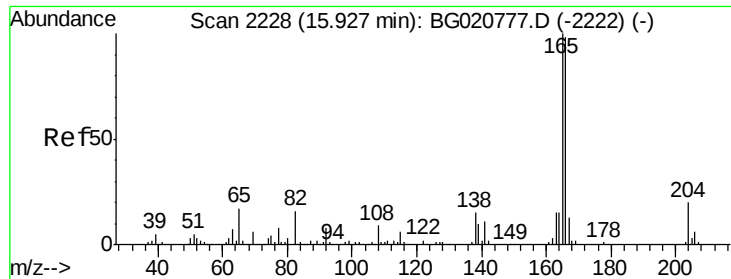
Tgt Ion:162 Resp: 178395
 Ion Ratio Lower Upper
 162 100
 164 33.5 26.2 39.4
 127 39.4 29.5 44.3



#50
 Acenaphthene
 Concen: 32.15 ng/ul
 RT: 14.95 min Scan# 2062
 Delta R.T. -0.00 min
 Lab File: BG020775.D
 Acq: 1 Feb 2016 17:36

Tgt Ion:153 Resp: 118747
 Ion Ratio Lower Upper
 153 100
 152 47.8 37.9 56.9
 154 84.7 69.8 104.6





#59

Fluorene

Concen: 34.61 ng/ul

RT: 15.93 min Scan# 2228

Delta R.T. -0.00 min

Lab File: BG020775.D

Acq: 1 Feb 2016 17:36

Instrument :

BNA_G

ClientSampleId :

X2251

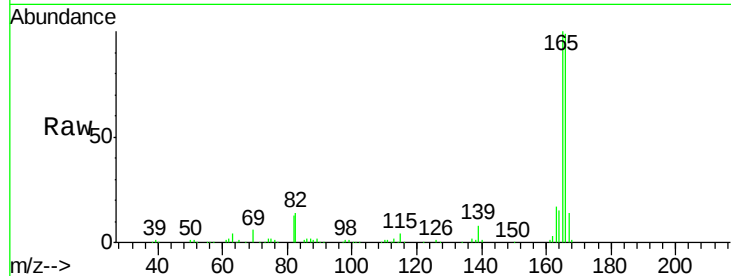
Tgt Ion:166 Resp: 145974

Ion Ratio Lower Upper

166 100

165 100.8 78.4 117.6

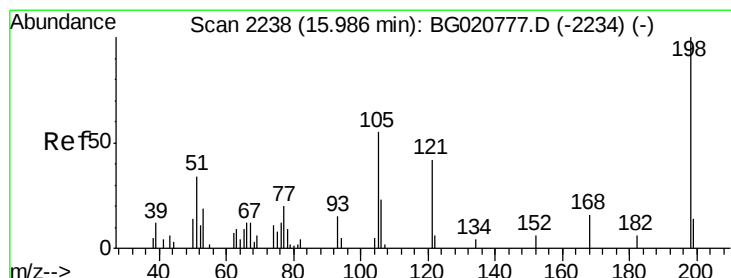
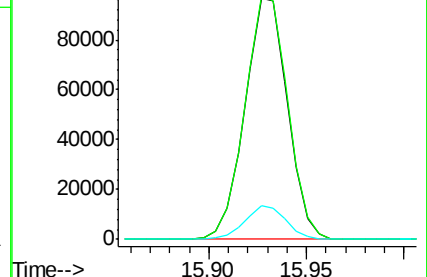
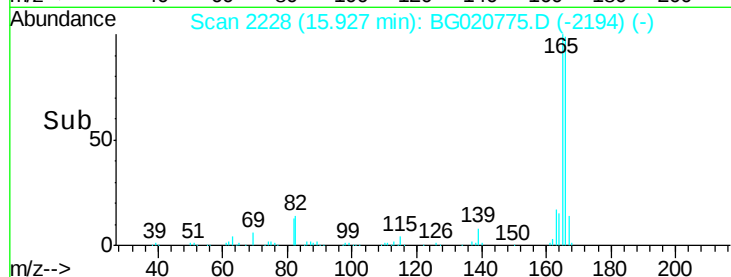
167 13.8 11.1 16.7



Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



#64

4,6-Dinitro-2-methylphenol

Concen: 57.26 ng/ul

RT: 15.99 min Scan# 2239

Delta R.T. 0.01 min

Lab File: BG020775.D

Acq: 1 Feb 2016 17:36

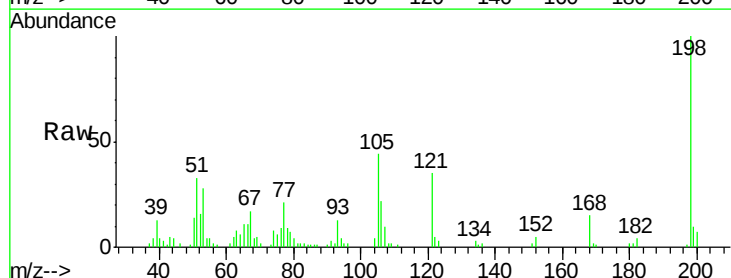
Tgt Ion:198 Resp: 23095

Ion Ratio Lower Upper

198 100

182 4.3 3.5 5.3

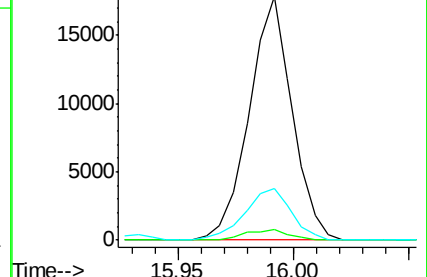
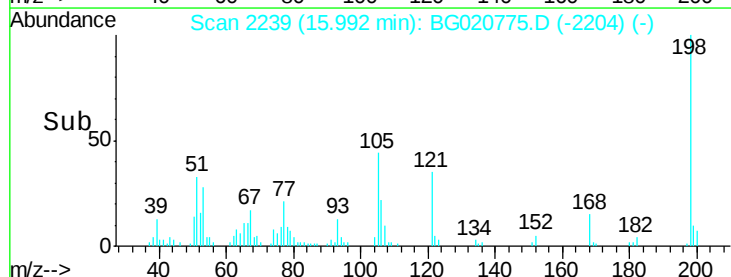
77 21.3 18.2 27.4

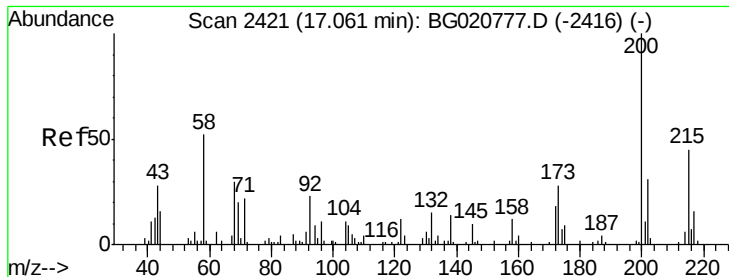


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 182.00 (181.70 to 182.70): E

Ion 77.00 (76.70 to 77.70): BG

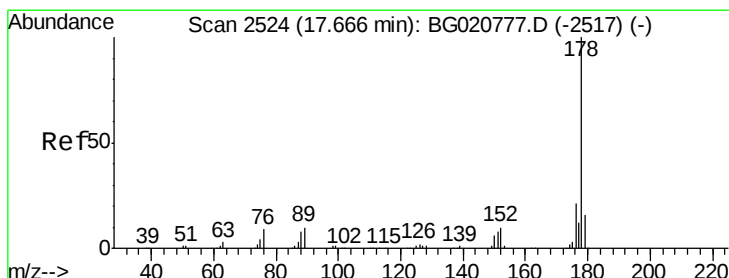
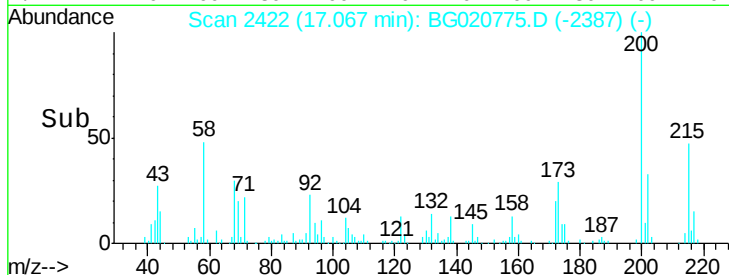
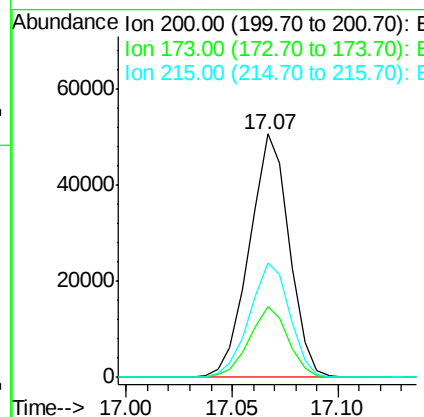
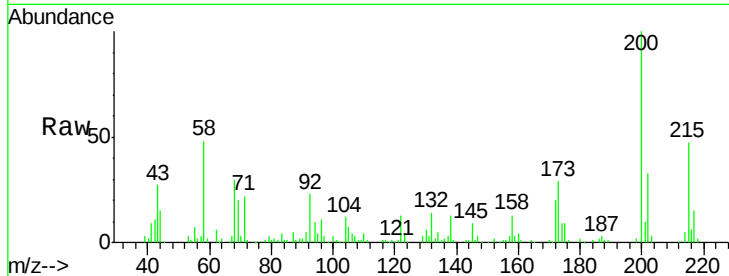




#68
 Atrazine
 Concen: 58.38 ng/ul
 RT: 17.07 min Scan# 2422
 Delta R.T. 0.01 min
 Lab File: BG020775.D
 Acq: 1 Feb 2016 17:36

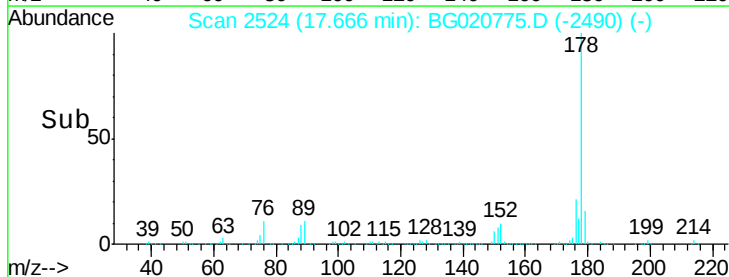
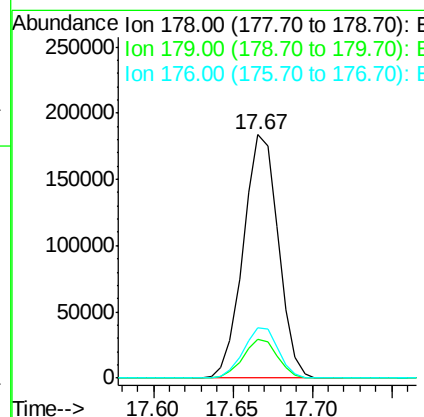
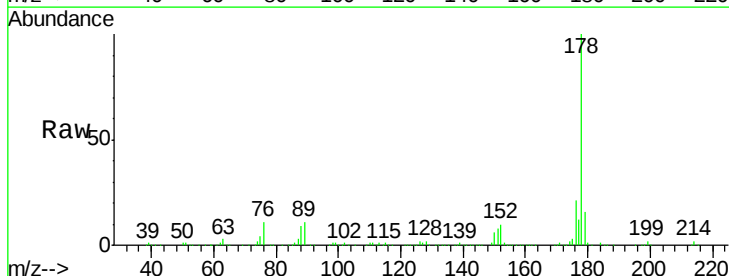
Instrument :
 BNA_G
 ClientSampleId :
 X2251

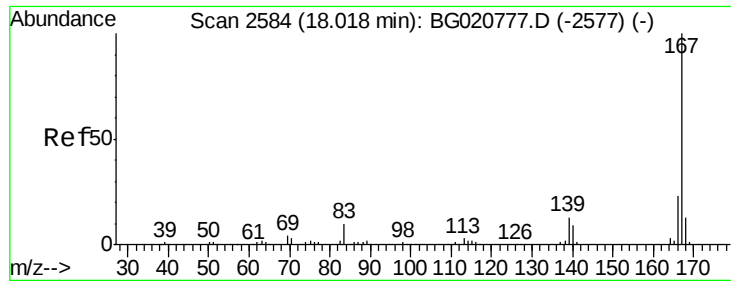
Tgt Ion:200 Resp: 66442
 Ion Ratio Lower Upper
 200 100
 173 29.3 20.6 31.0
 215 46.8 39.8 59.6



#70
 Phenanthrene
 Concen: 43.37 ng/ul
 RT: 17.67 min Scan# 2524
 Delta R.T. -0.00 min
 Lab File: BG020775.D
 Acq: 1 Feb 2016 17:36

Tgt Ion:178 Resp: 281255
 Ion Ratio Lower Upper
 178 100
 179 16.2 12.3 18.5
 176 20.9 15.4 23.0





#75

Carbazole

Concen: 72.58 ng/ul

RT: 18.02 min Scan# 2585

Delta R.T. 0.01 min

Lab File: BG020775.D

Acq: 1 Feb 2016 17:36

Instrument :

BNA_G

ClientSampleId :

X2251

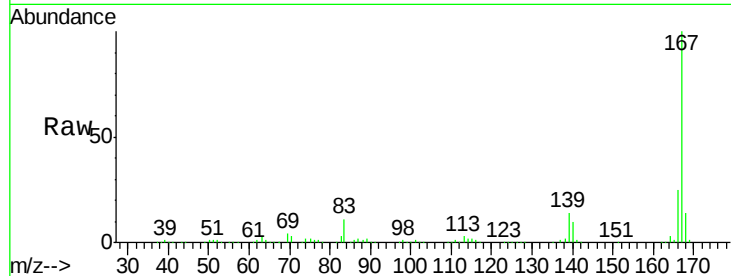
Tgt Ion:167 Resp: 417658

Ion Ratio Lower Upper

167 100

166 24.9 17.0 25.4

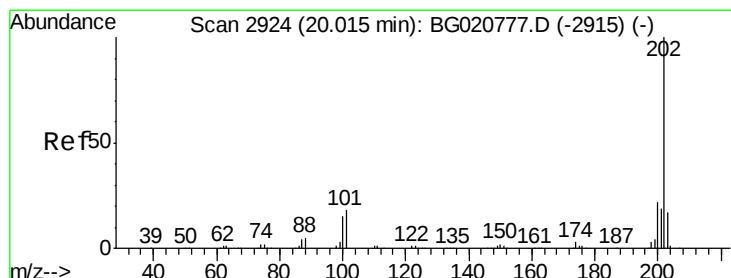
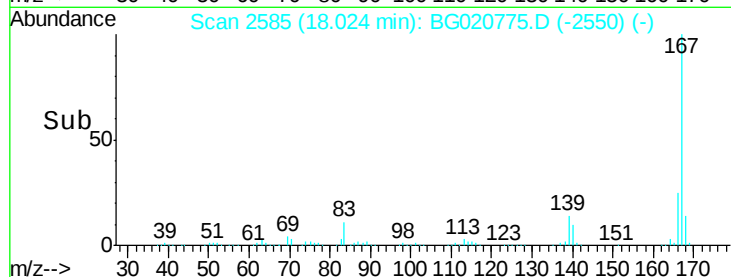
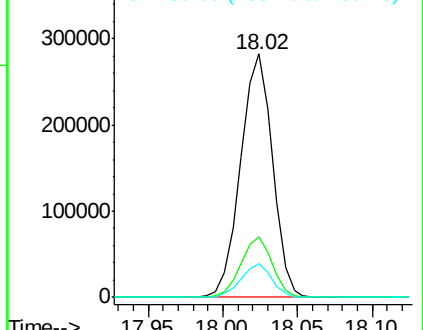
139 13.7 9.1 13.7#



Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E



#80

Pyrene

Concen: 56.22 ng/ul

RT: 20.02 min Scan# 2924

Delta R.T. -0.00 min

Lab File: BG020775.D

Acq: 1 Feb 2016 17:36

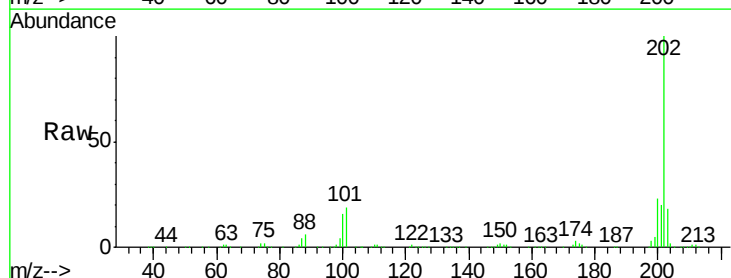
Tgt Ion:202 Resp: 393578

Ion Ratio Lower Upper

202 100

101 18.9 6.9 10.3#

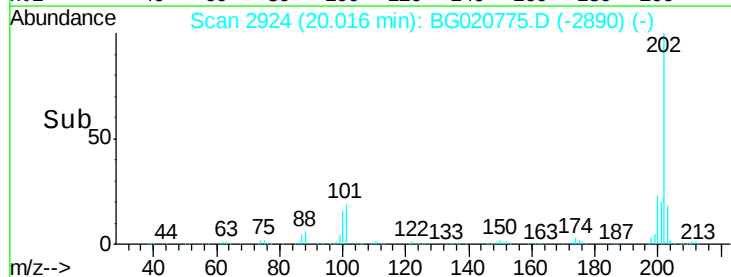
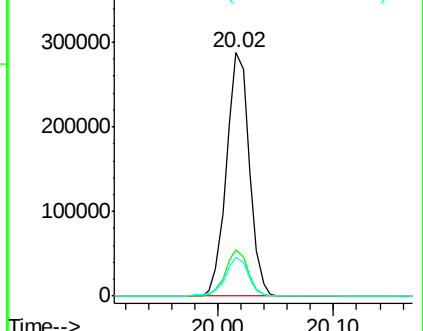
100 15.8 5.6 8.4#

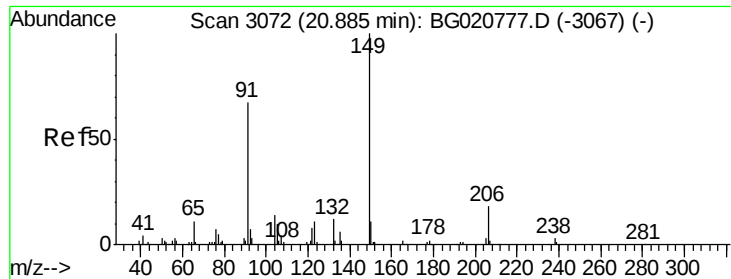


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): E

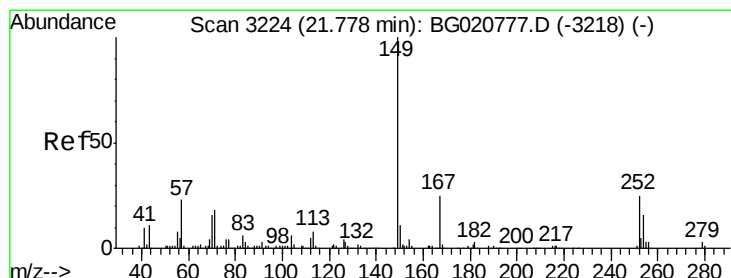
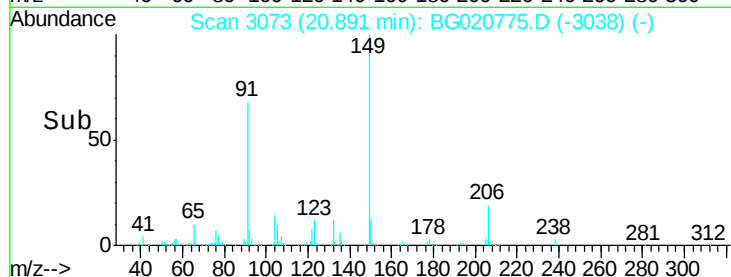
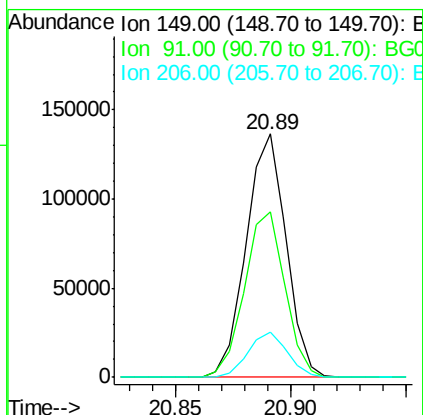
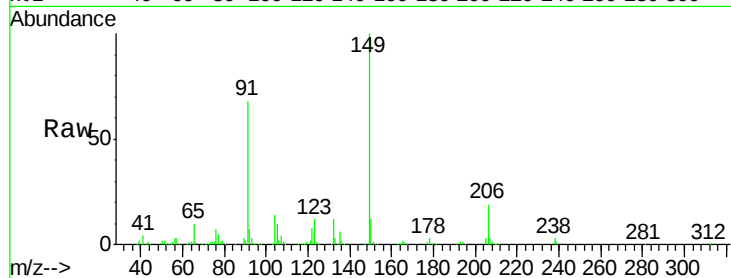




#81
Butylbenzylphthalate
Concen: 60.01 ng/ul
RT: 20.89 min Scan# 3073
Delta R.T. 0.01 min
Lab File: BG020775.D
Acq: 1 Feb 2016 17:36

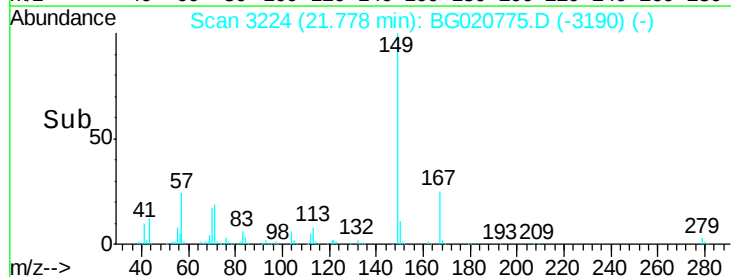
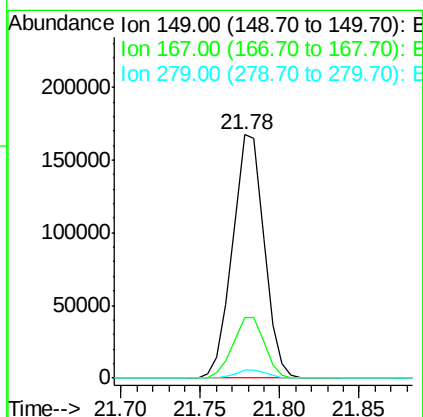
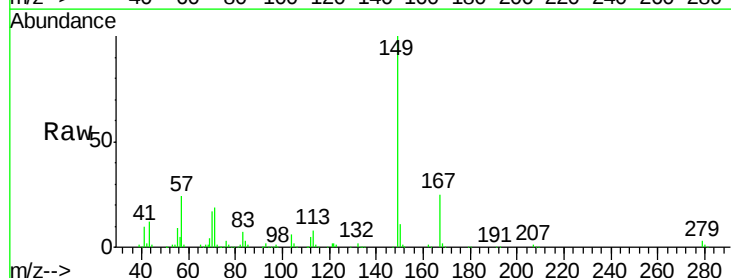
Instrument :
BNA_G
ClientSampleId :
X2251

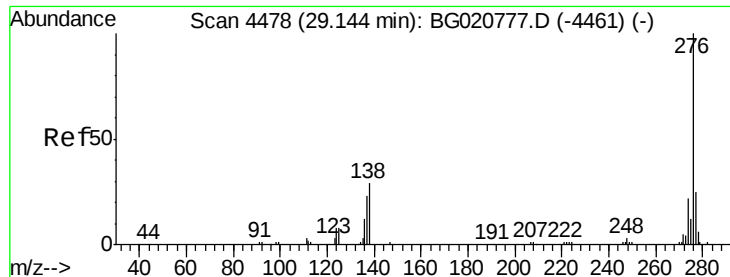
Tgt Ion:149 Resp: 164919
Ion Ratio Lower Upper
149 100
91 68.1 53.4 80.0
206 18.5 19.3 28.9#



#84
Bis(2-ethylhexyl)phthalate
Concen: 54.47 ng/ul
RT: 21.78 min Scan# 3224
Delta R.T. -0.00 min
Lab File: BG020775.D
Acq: 1 Feb 2016 17:36

Tgt Ion:149 Resp: 231813
Ion Ratio Lower Upper
149 100
167 25.1 23.0 34.6
279 3.1 4.3 6.5#





#92

Indeno(1,2,3-cd)pyrene

Concen: 61.78 ng/ul

RT: 29.18 min Scan# 4484

Delta R.T. 0.02 min

Lab File: BG020775.D

Acq: 1 Feb 2016 17:36

Instrument :

BNA_G

ClientSampleId :

X2251

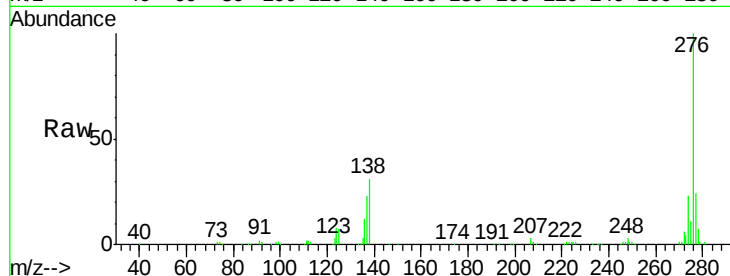
Tgt Ion:276 Resp: 395488

Ion Ratio Lower Upper

276 100

138 31.3 10.9 16.3#

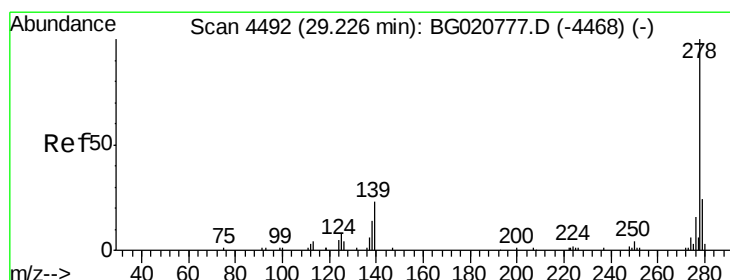
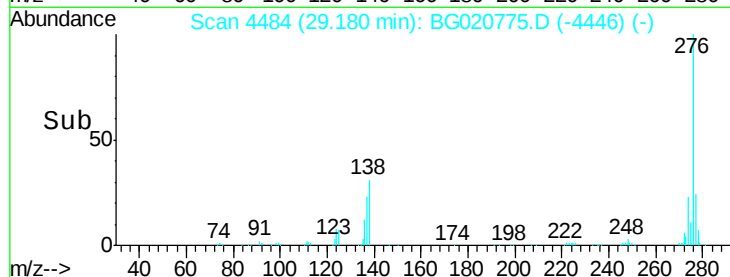
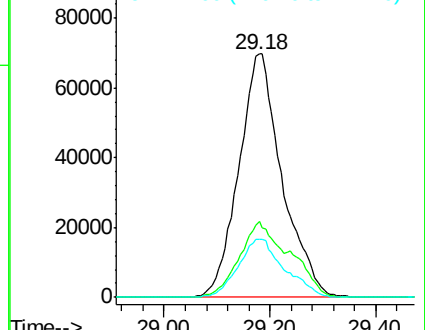
277 24.1 18.9 28.3



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



#93

Dibenzo(a,h)anthracene

Concen: 47.57 ng/ul

RT: 29.25 min Scan# 4496

Delta R.T. 0.02 min

Lab File: BG020775.D

Acq: 1 Feb 2016 17:36

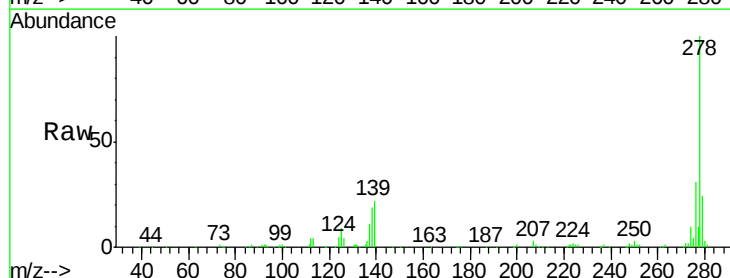
Tgt Ion:278 Resp: 251601

Ion Ratio Lower Upper

278 100

139 22.5 9.0 13.4#

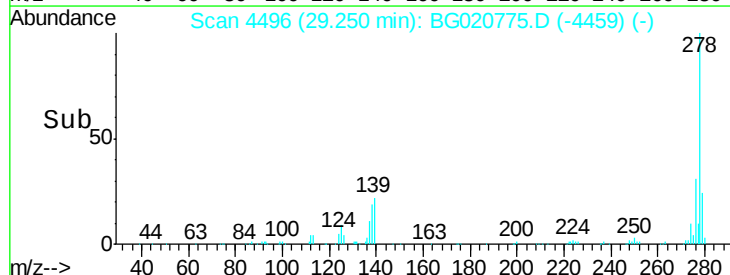
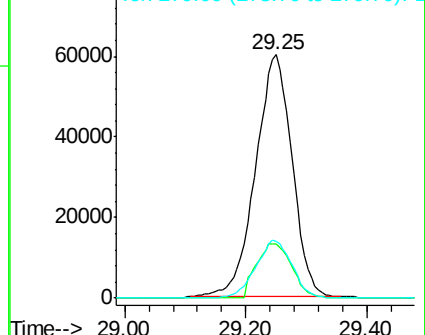
279 23.5 19.1 28.7

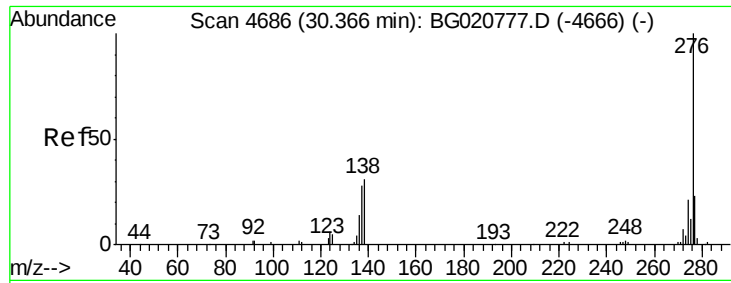


Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#94

Benzo(g,h,i)perylene

Concen: 46.63 ng/ul

RT: 30.38 min Scan# 4689

Delta R.T. 0.02 min

Lab File: BG020775.D

Acq: 1 Feb 2016 17:36

Instrument :

BNA_G

ClientSampleId :

X2251

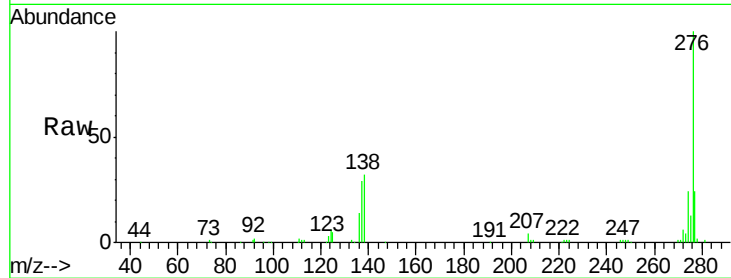
Tgt Ion: 276 Resp: 245007

Ion Ratio Lower Upper

276 100

138 31.8 11.2 16.8#

277 23.9 19.0 28.6



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

