

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG100915\
 Data File : BG019079.D
 Acq On : 9 Oct 2015 14:08
 Operator : UM/NP
 Sample : G3981-08
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 X2062

Quant Time: Oct 09 15:25:24 2015
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG100415.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri Oct 09 02:23:12 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.04	152	16902	20.00	ng/ul	0.00
18) Naphthalene-d8	10.84	136	76761	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.67	164	55537	20.00	ng/ul	0.00
62) Phenanthrene-d10	17.41	188	141836	20.00	ng/ul	0.00
78) Chrysene-d12	21.69	240	173165	20.00	ng/ul	0.00
86) Perylene-d12	24.92	264	168750	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.48	96	817	2.18	ng/uL	0.00
5) Phenol-d5	7.19	99	31572	21.68	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.36	67	19739	20.94	ng/ul	0.00
9) 2-Chlorophenol-d4	7.57	132	23768	21.74	ng/ul	0.00
13) 4-Methylphenol-d8	8.74	113	26307	22.98	ng/ul	0.00
19) Nitrobenzene-d5	9.20	128	13000	22.40	ng/ul	0.00
22) 2-Nitrophenol-d4	9.92	143	13760	23.05	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.46	165	27355	22.89	ng/ul	0.00
29) 4-Chloroaniline-d4	10.97	131	23542	16.15	ng/ul	0.00
44) Dimethylphthalate-d6	14.07	166	122075	27.88	ng/ul	0.00
47) Acenaphthylene-d8	14.36	160	130548	24.10	ng/ul	0.00
52) 4-Nitrophenol-d4	14.85	143	24536	27.74	ng/ul	0.00
58) Fluorene-d10	15.66	176	111826	28.21	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.77	200	18261	23.73	ng/ul	0.00
71) Anthracene-d10	17.51	188	208267	31.18	ng/ul	0.00
79) Pyrene-d10	19.80	212	257965	32.16	ng/ul	0.00
90) Benzo(a)pyrene-d12	24.70	264	274009	31.74	ng/ul	0.00

Target Compounds

						Qvalue
6) Phenol	7.22	94	63491	42.73	ng/ul#	86
20) Nitrobenzene	9.24	77	53795	37.24	ng/ul	95
21) Isophorone	9.76	82	132730	47.10	ng/ul#	97
28) Naphthalene	10.89	128	191489	48.18	ng/ul	98
34) 2-Methylnaphthalene	12.50	142	119169	40.03	ng/ul	97
39) 2,4,6-Trichlorophenol	13.10	196	61965	52.86	ng/ul	97
41) 1,1'-Biphenyl	13.50	154	139691	30.86	ng/ul	97
48) Acenaphthylene	14.39	152	126808	21.87	ng/ul	100
54) Dibenzofuran	15.07	168	243873	45.55	ng/ul	93
57) Diethylphthalate	15.48	149	194791	43.42	ng/ul	98
67) Hexachlorobenzene	16.72	284	63970	36.33	ng/ul	98
69) Pentachlorophenol	17.06	266	58498	52.94	ng/ul	96
72) Anthracene	17.55	178	386692	48.01	ng/ul	98
75) Carbazole	17.82	167	429434	61.79	ng/ul	98
77) Fluoranthene	19.47	202	467705	50.26	ng/ul	95
83) Benzo(a)anthracene	21.67	228	373106	37.33	ng/ul	97
84) Bis(2-ethylhexyl)phthalate	21.59	149	280015	48.81	ng/ul#	98
87) Di-n-octyl phthalate	22.80	149	513003	53.56	ng/ul	100
92) Indeno(1,2,3-cd)pyrene	28.63	276	494082	44.77	ng/ul#	96
93) Dibenzo(a,h)anthracene	28.70	278	452288	47.41	ng/ul#	95
94) Benzo(g,h,i)perylene	29.79	276	433505	47.18	ng/ul#	95

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Quant Title : SVOA CALIBRATION
QLast Update : Fri Oct 09 02:23:12 2015
Response via : Initial Calibration

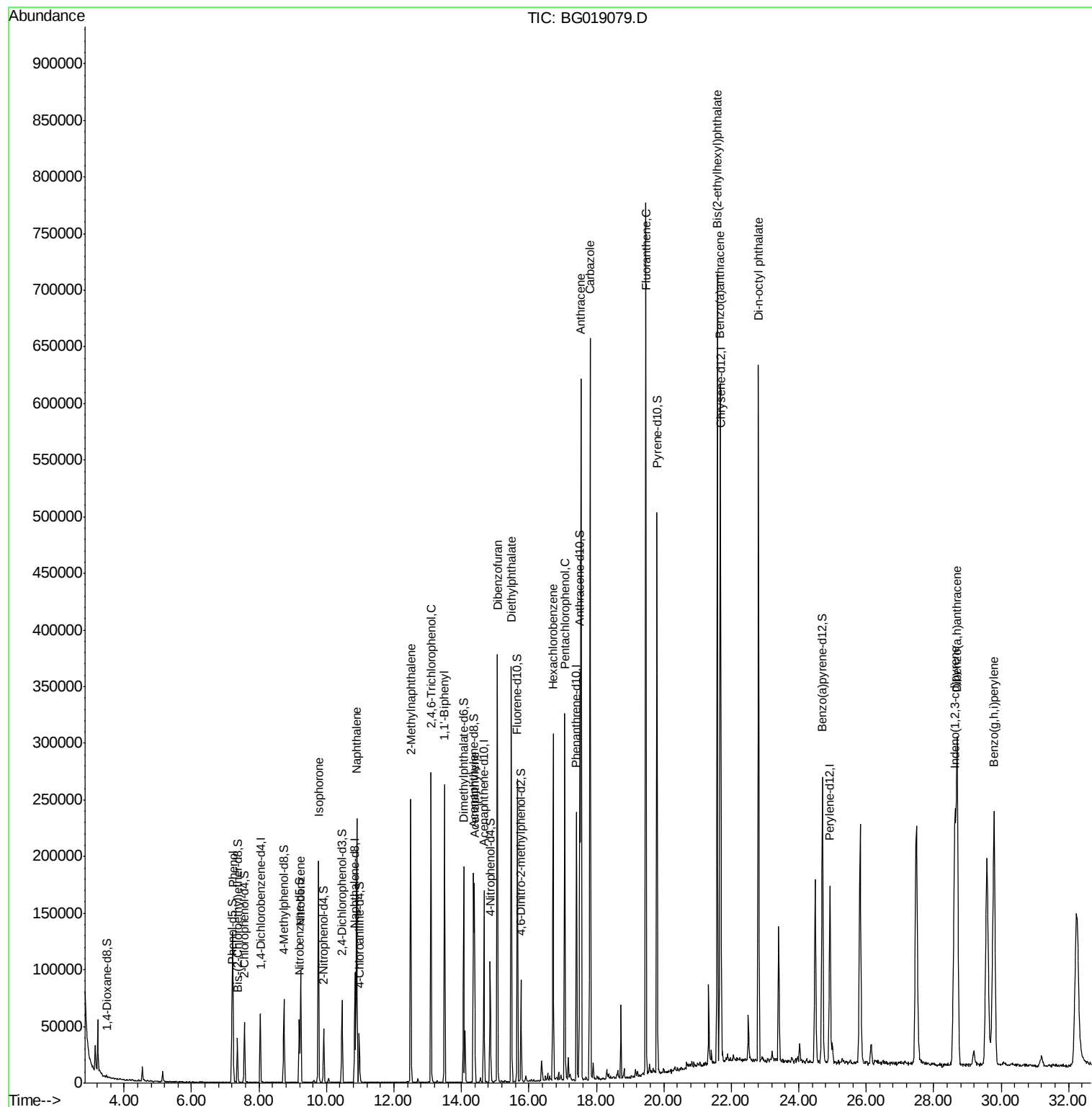
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

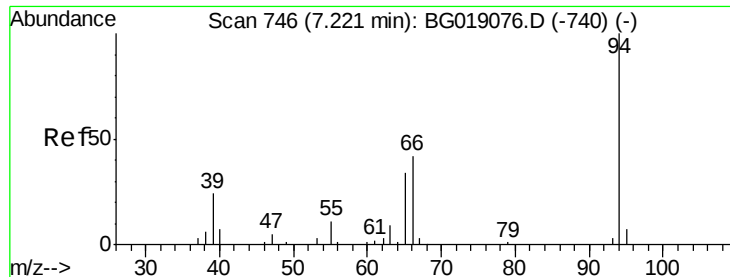
(#) = qualifier out of range (m) = manual integration (+) = signals summed						

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Instrument :
BNA_G
ClientSampled :
X2062

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Quant Title : SVOA CALIBRATION
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Response via : Initial Calibration





#6

Phenol

Concen: 42.73 ng/ul

RT: 7.22 min Scan# 746

Delta R.T. -0.01 min

Lab File: BG019079.D

Acq: 9 Oct 2015 14:08

Instrument :

BNA_G

ClientSampled :

X2062

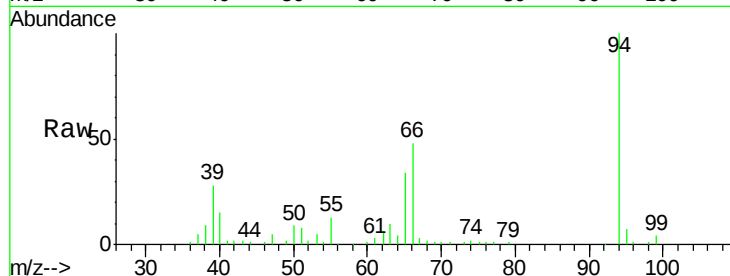
Tgt Ion: 94 Resp: 63491

Ion Ratio Lower Upper

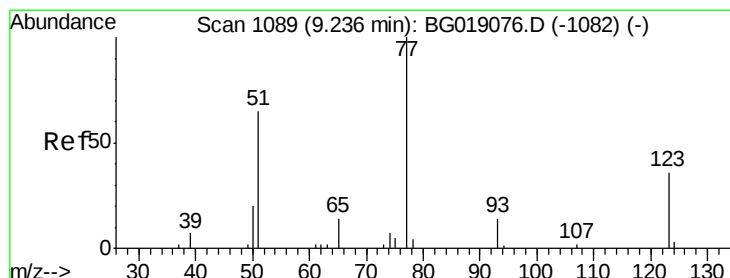
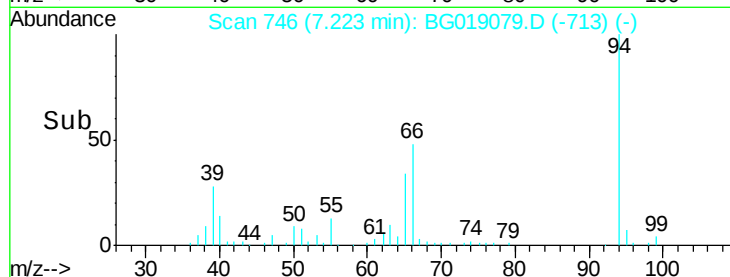
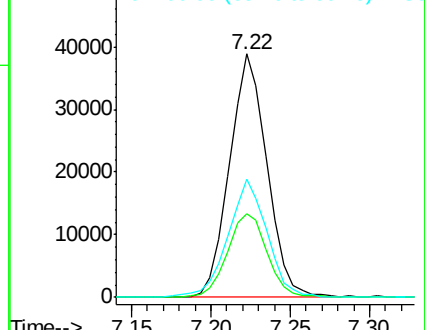
94 100

65 34.2 24.9 37.3

66 48.4 29.1 43.7#



Abundance Ion 94.00 (93.70 to 94.70): BGC
Ion 65.00 (64.70 to 65.70): BGC
Ion 66.00 (65.70 to 66.70): BGC



#20

Nitrobenzene

Concen: 37.24 ng/ul

RT: 9.24 min Scan# 1089

Delta R.T. 0.00 min

Lab File: BG019079.D

Acq: 9 Oct 2015 14:08

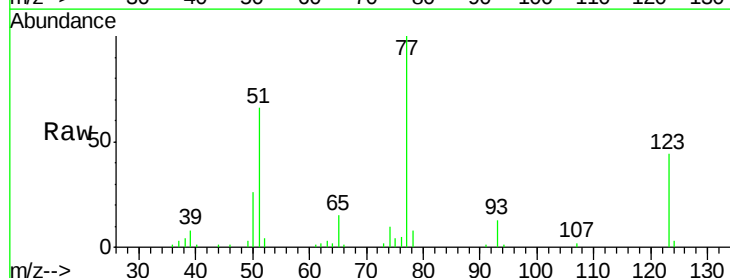
Tgt Ion: 77 Resp: 53795

Ion Ratio Lower Upper

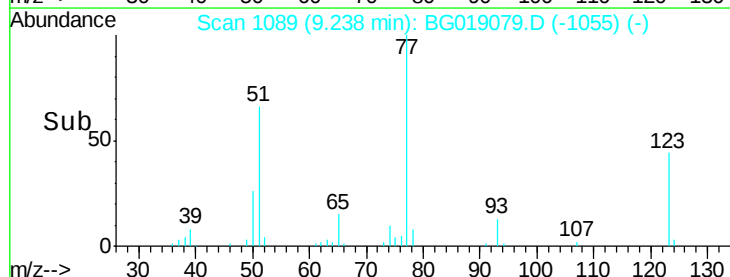
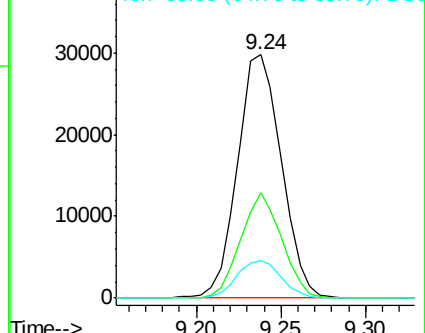
77 100

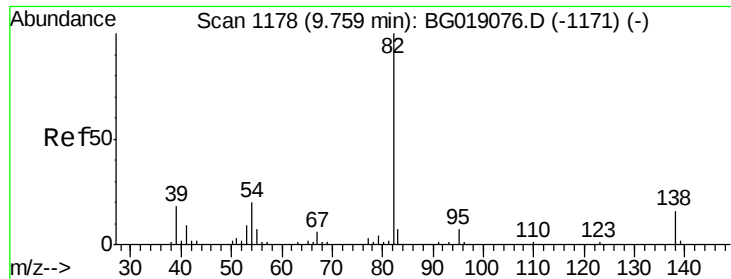
123 43.5 32.6 48.8

65 15.2 10.6 15.8



Abundance Ion 77.00 (76.70 to 77.70): BGC
Ion 123.00 (122.70 to 123.70): BGC
Ion 65.00 (64.70 to 65.70): BGC





#21

Isophorone

Concen: 47.10 ng/ul

RT: 9.76 min Scan# 1178

Delta R.T. -0.01 min

Lab File: BG019079.D

Acq: 9 Oct 2015 14:08

Instrument :

BNA_G

ClientSampleId :

X2062

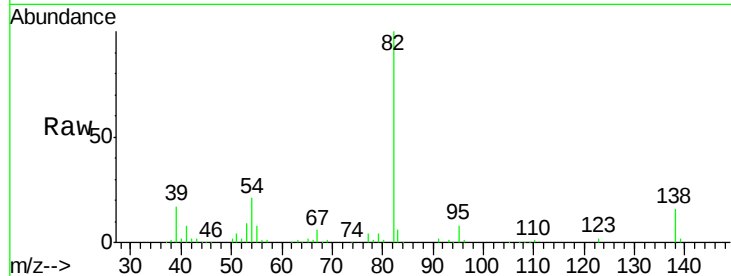
Tgt Ion: 82 Resp: 132730

Ion Ratio Lower Upper

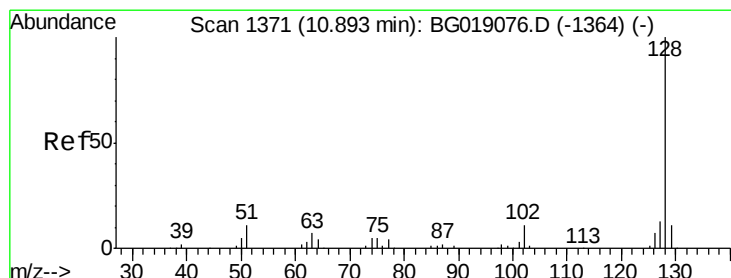
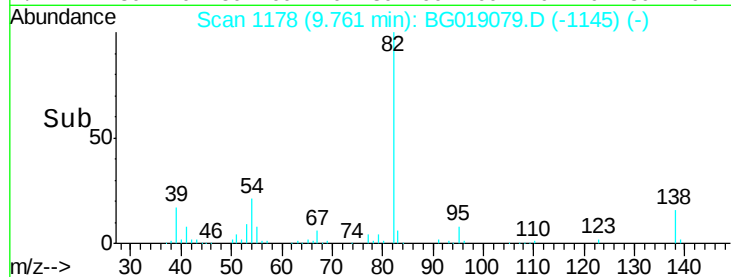
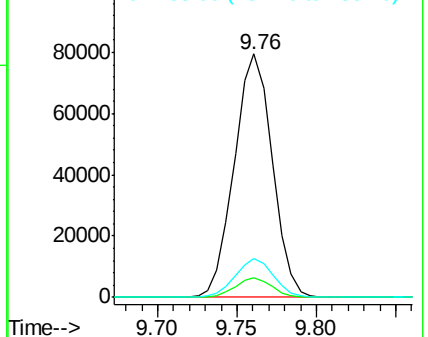
82 100

95 8.2 5.1 7.7#

138 16.1 12.2 18.2



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



#28

Naphthalene

Concen: 48.18 ng/ul

RT: 10.89 min Scan# 1371

Delta R.T. 0.00 min

Lab File: BG019079.D

Acq: 9 Oct 2015 14:08

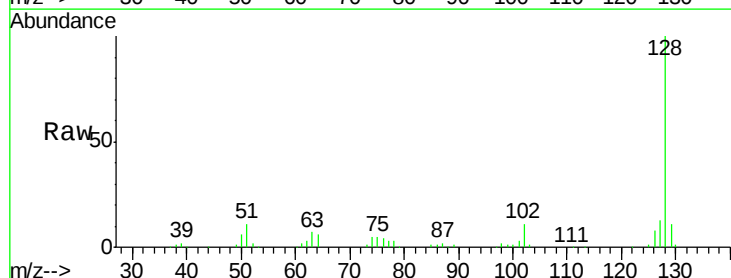
Tgt Ion: 128 Resp: 191489

Ion Ratio Lower Upper

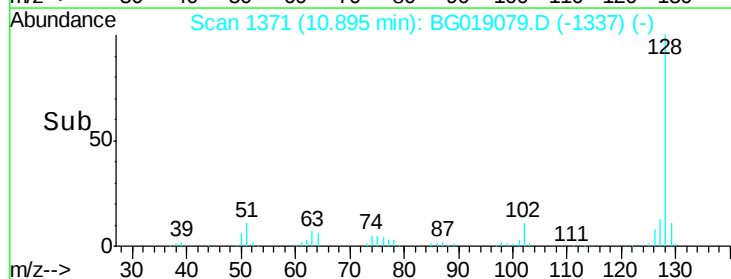
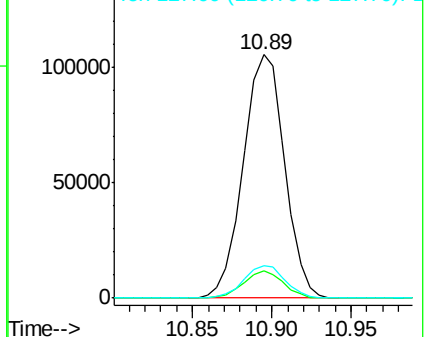
128 100

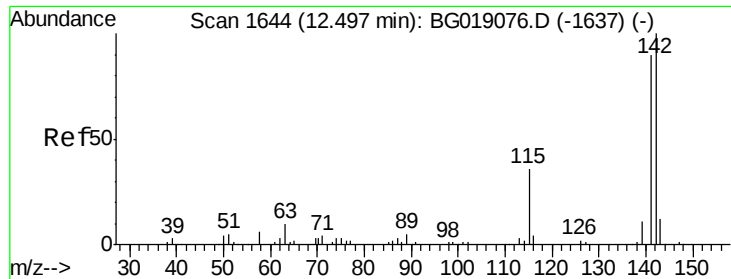
129 11.2 9.6 14.4

127 13.1 11.3 16.9



Abundance Ion 128.00 (127.70 to 128.70): BGC
Ion 129.00 (128.70 to 129.70): BGC
Ion 127.00 (126.70 to 127.70): BGC

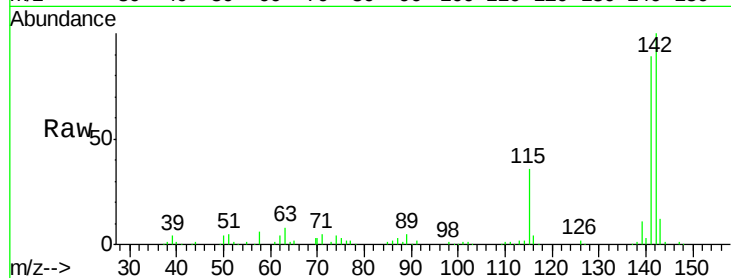




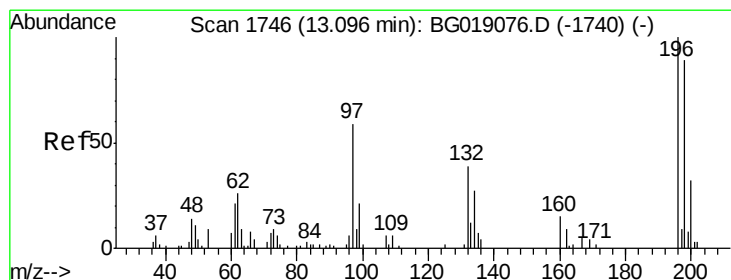
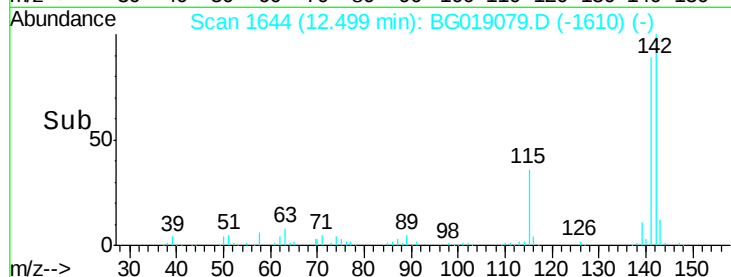
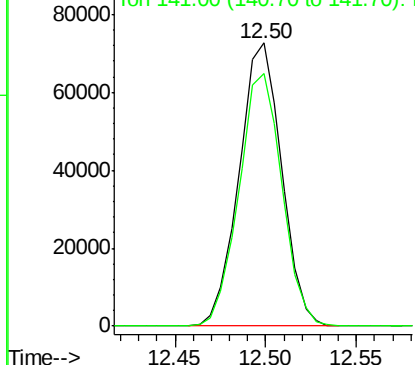
#34
 2-Methylnaphthalene
 Concen: 40.03 ng/ul
 RT: 12.50 min Scan# 1644
 Delta R.T. 0.00 min
 Lab File: BG019079.D
 Acq: 9 Oct 2015 14:08

Instrument :
 BNA_G
 ClientSampleId :
 X2062

Tgt Ion:142 Resp: 119169
 Ion Ratio Lower Upper
 142 100
 141 89.3 73.4 110.0

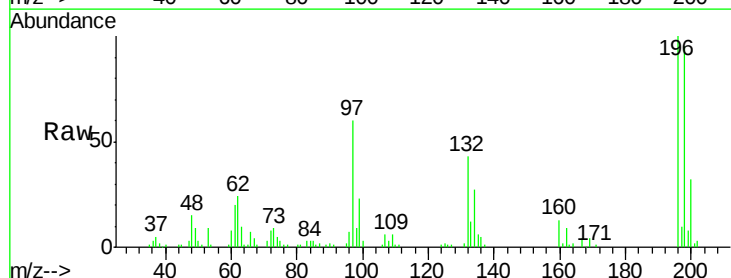


Abundance Ion 142.00 (141.70 to 142.70): E
 Ion 141.00 (140.70 to 141.70): E

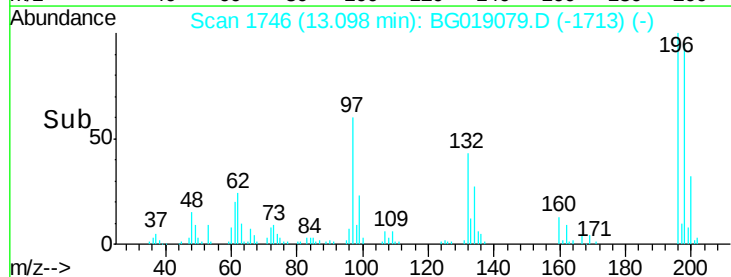
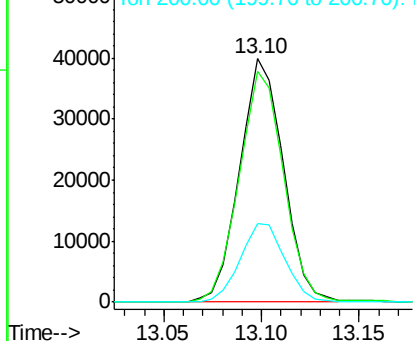


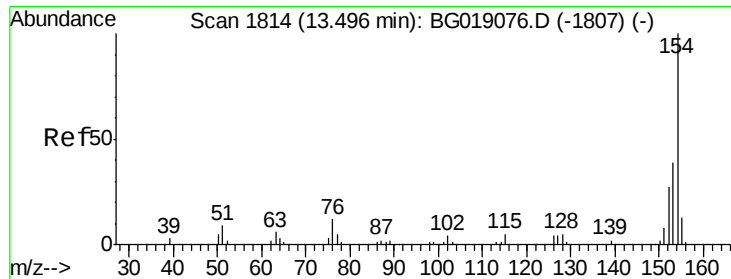
#39
 2,4,6-Trichlorophenol
 Concen: 52.86 ng/ul
 RT: 13.10 min Scan# 1746
 Delta R.T. -0.01 min
 Lab File: BG019079.D
 Acq: 9 Oct 2015 14:08

Tgt Ion:196 Resp: 61965
 Ion Ratio Lower Upper
 196 100
 198 95.0 79.0 118.6
 200 32.1 25.8 38.6



Abundance Ion 196.00 (195.70 to 196.70): E
 Ion 198.00 (197.70 to 198.70): E
 Ion 200.00 (199.70 to 200.70): E

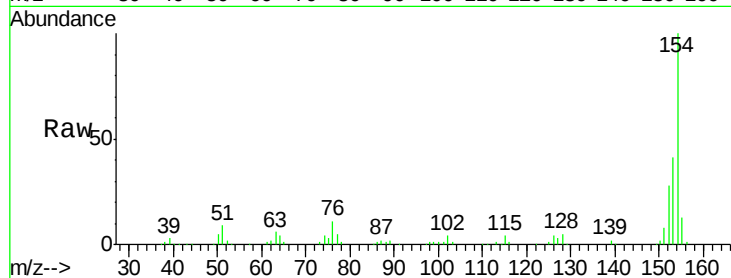




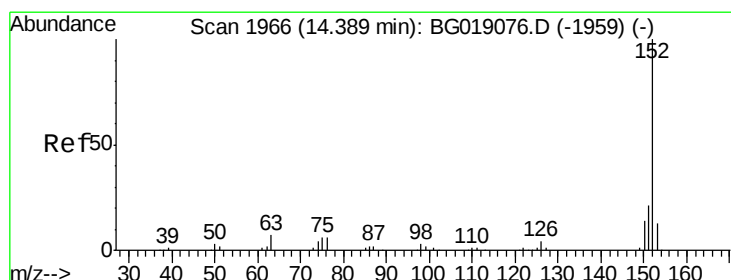
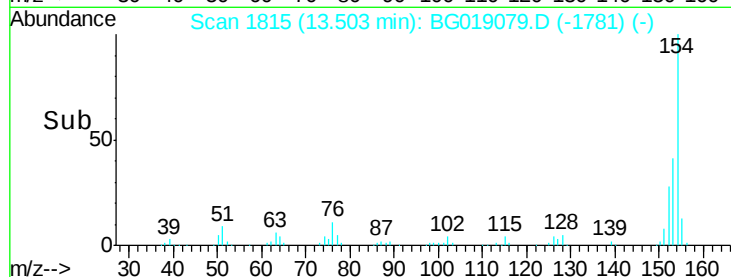
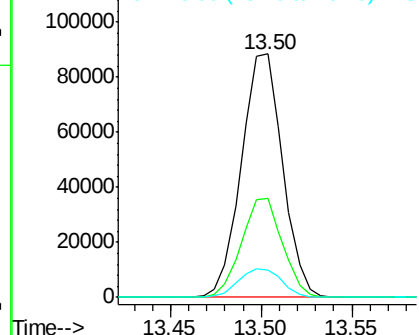
#41
 1,1'-Biphenyl
 Concen: 30.86 ng/ul
 RT: 13.50 min Scan# 1815
 Delta R.T. 0.00 min
 Lab File: BG019079.D
 Acq: 9 Oct 2015 14:08

Instrument :
 BNA_G
 ClientSampleId :
 X2062

Tgt Ion:154 Resp: 139691
 Ion Ratio Lower Upper
 154 100
 153 40.7 31.4 47.0
 76 11.3 10.8 16.2

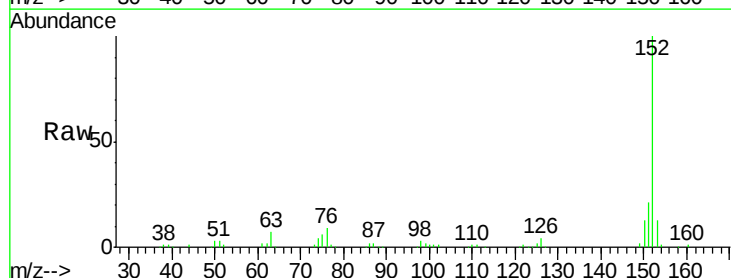


Abundance Ion 154.00 (153.70 to 154.70): E
 Ion 153.00 (152.70 to 153.70): E
 Ion 76.00 (75.70 to 76.70): BGC

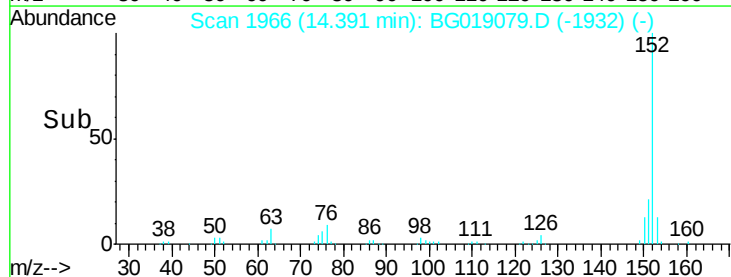
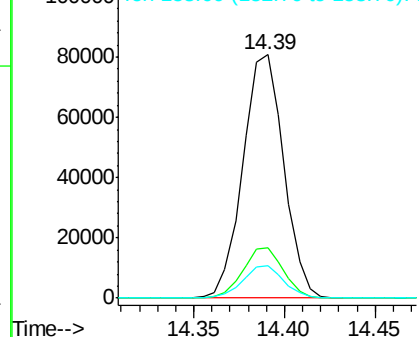


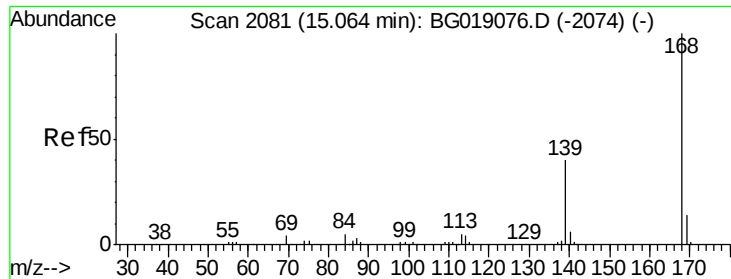
#48
 Acenaphthylene
 Concen: 21.87 ng/ul
 RT: 14.39 min Scan# 1966
 Delta R.T. 0.00 min
 Lab File: BG019079.D
 Acq: 9 Oct 2015 14:08

Tgt Ion:152 Resp: 126808
 Ion Ratio Lower Upper
 152 100
 151 20.9 16.6 25.0
 153 13.2 10.5 15.7



Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 151.00 (150.70 to 151.70): E
 Ion 153.00 (152.70 to 153.70): E

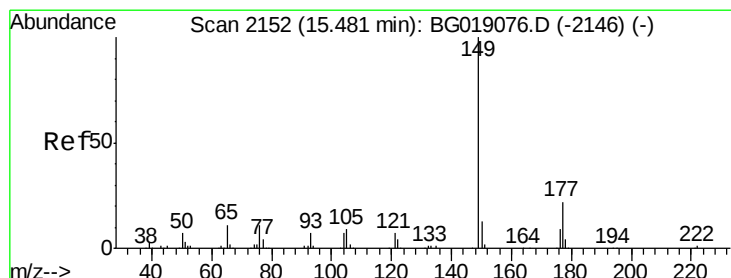
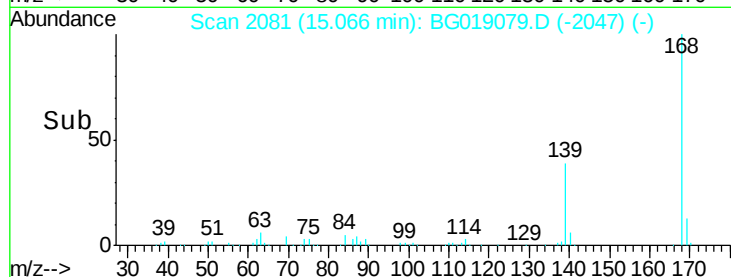
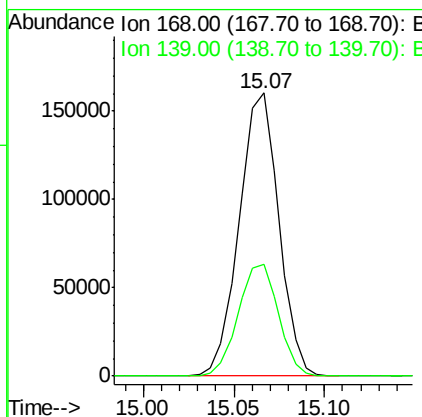
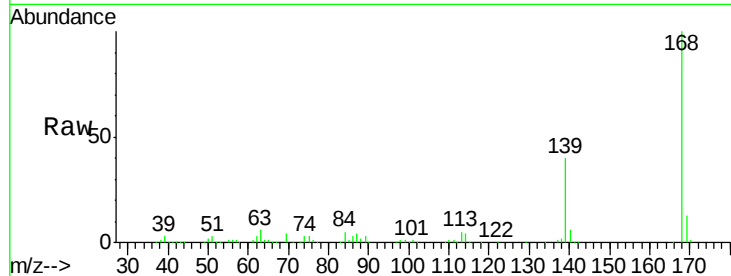




#54
Dibenzenofuran
Concen: 45.55 ng/ul
RT: 15.07 min Scan# 2081
Delta R.T. 0.00 min
Lab File: BG019079.D
Acq: 9 Oct 2015 14:08

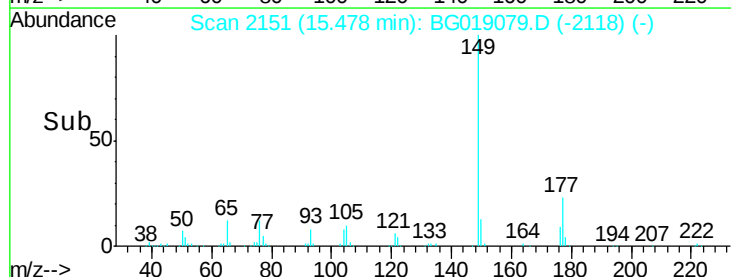
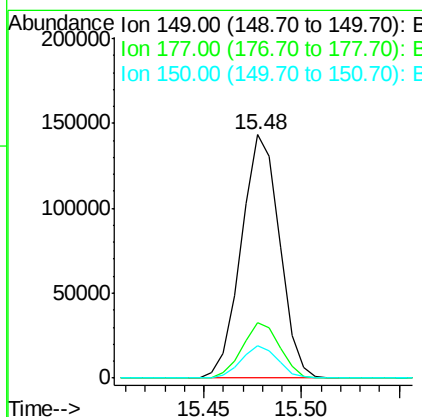
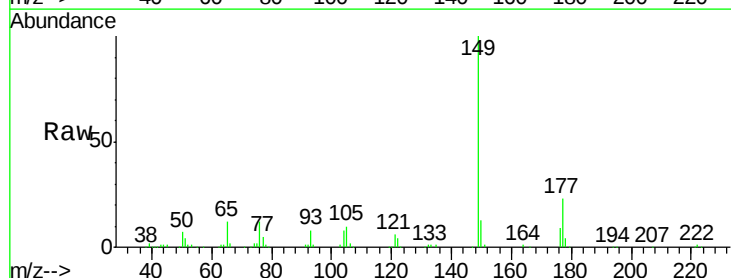
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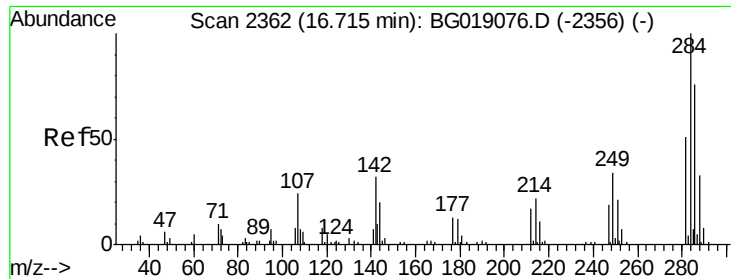
Tgt Ion:168 Resp: 243873
Ion Ratio Lower Upper
168 100
139 39.5 28.5 42.7



#57
Diethylphthalate
Concen: 43.42 ng/ul
RT: 15.48 min Scan# 2151
Delta R.T. -0.01 min
Lab File: BG019079.D
Acq: 9 Oct 2015 14:08

Tgt Ion:149 Resp: 194791
Ion Ratio Lower Upper
149 100
177 22.6 17.4 26.0
150 13.2 10.0 15.0

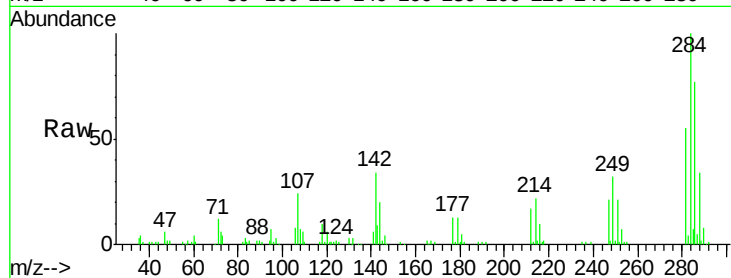




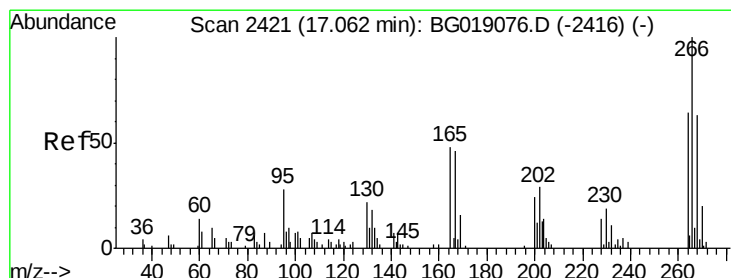
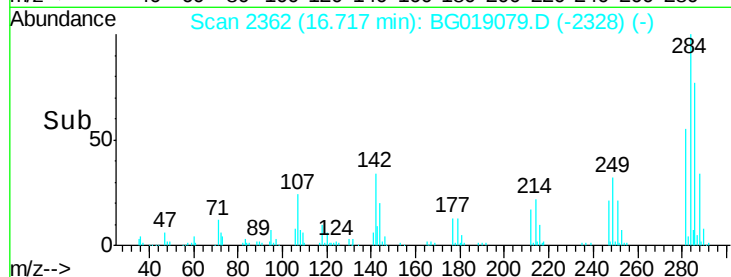
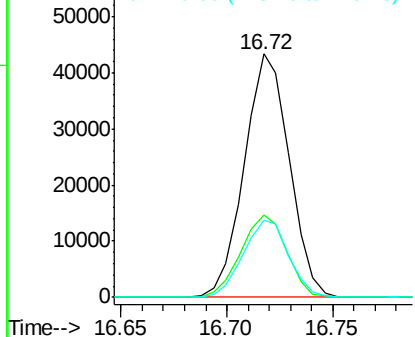
#67
Hexachlorobenzene
Concen: 36.33 ng/ul
RT: 16.72 min Scan# 2362
Delta R.T. 0.00 min
Lab File: BG019079.D
Acq: 9 Oct 2015 14:08

Instrument :
BNA_G
ClientSampleId :
X2062

Tgt Ion:284 Resp: 63970
Ion Ratio Lower Upper
284 100
142 34.0 25.4 38.0
249 31.8 25.6 38.4

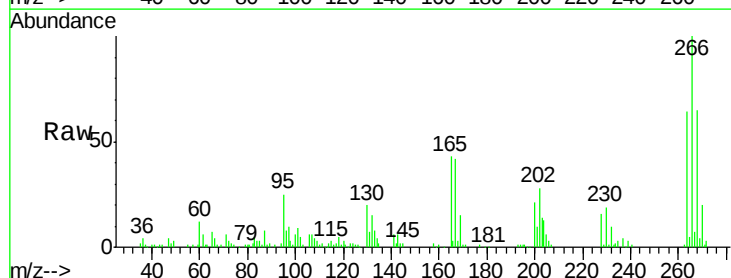


Abundance Ion 284.00 (283.70 to 284.70): E
Ion 142.00 (141.70 to 142.70): E
Ion 249.00 (248.70 to 249.70): E

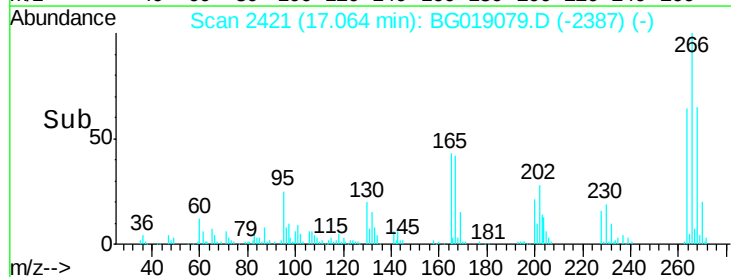
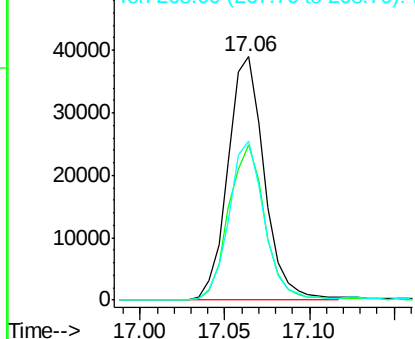


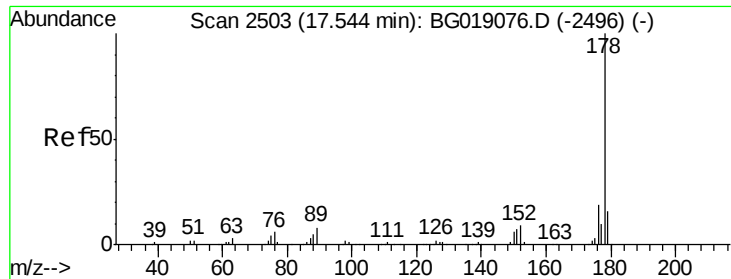
#69
Pentachlorophenol
Concen: 52.94 ng/ul
RT: 17.06 min Scan# 2421
Delta R.T. 0.00 min
Lab File: BG019079.D
Acq: 9 Oct 2015 14:08

Tgt Ion:266 Resp: 58498
Ion Ratio Lower Upper
266 100
264 63.5 49.0 73.6
268 65.3 55.6 83.4



Abundance Ion 265.70 (265.40 to 266.40): E
Ion 264.00 (263.70 to 264.70): E
Ion 268.00 (267.70 to 268.70): E





#72

Anthracene

Concen: 48.01 ng/ul

RT: 17.55 min Scan# 2503

Delta R.T. 0.00 min

Lab File: BG019079.D

Acq: 9 Oct 2015 14:08

Instrument :

BNA_G

ClientSampleId :

X2062

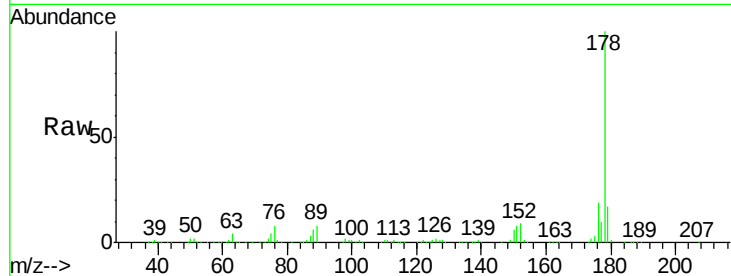
Tgt Ion:178 Resp: 386692

Ion Ratio Lower Upper

178 100

179 16.5 12.2 18.4

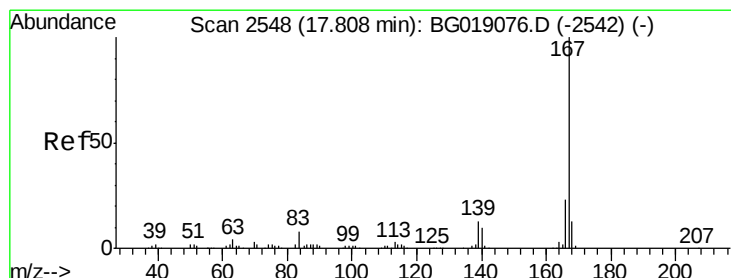
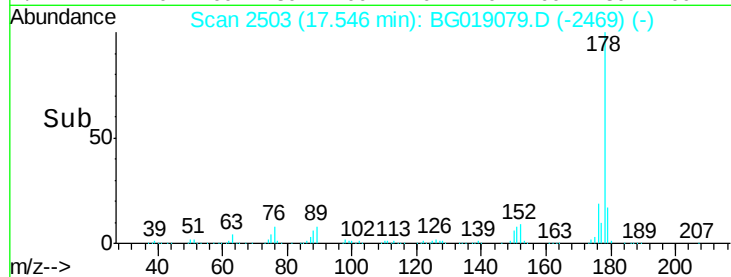
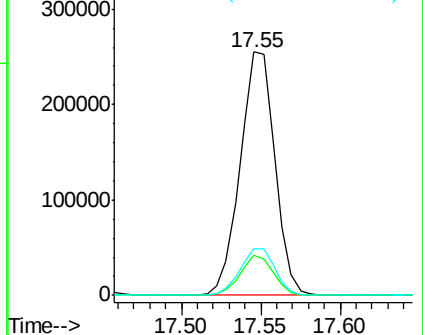
176 19.3 15.0 22.6



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



#75

Carbazole

Concen: 61.79 ng/ul

RT: 17.82 min Scan# 2549

Delta R.T. 0.00 min

Lab File: BG019079.D

Acq: 9 Oct 2015 14:08

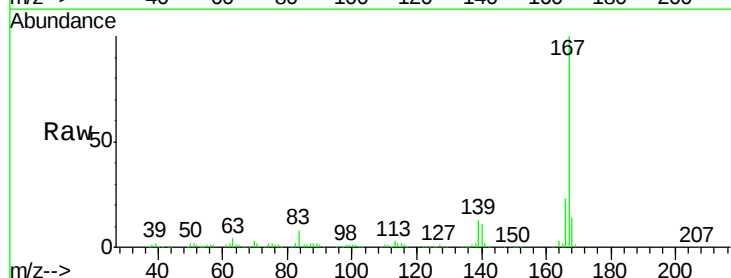
Tgt Ion:167 Resp: 429434

Ion Ratio Lower Upper

167 100

166 22.7 18.6 27.8

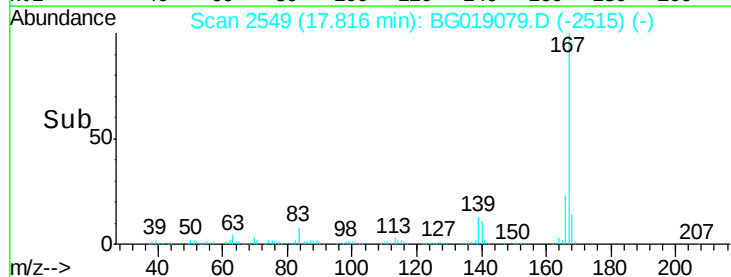
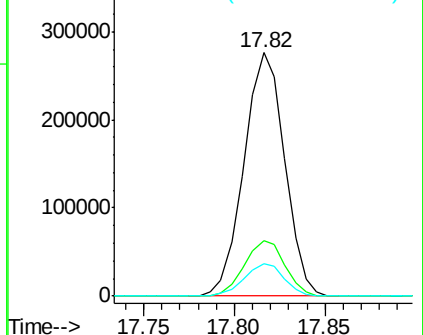
139 13.3 9.8 14.8

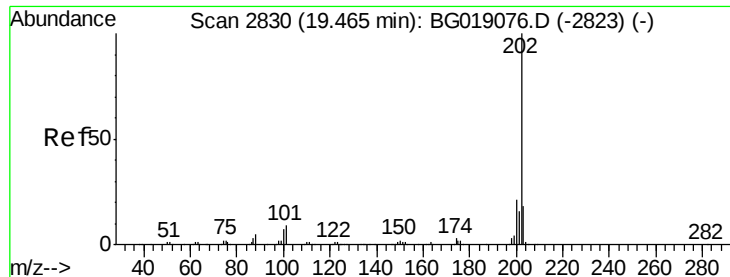


Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E

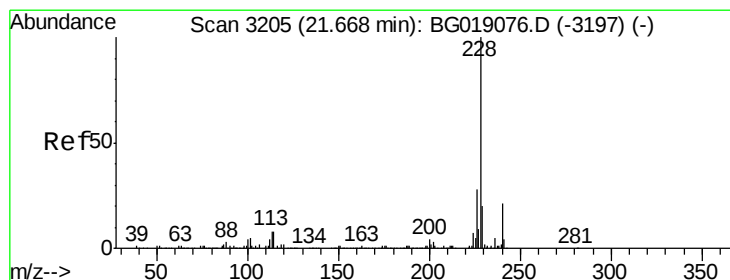
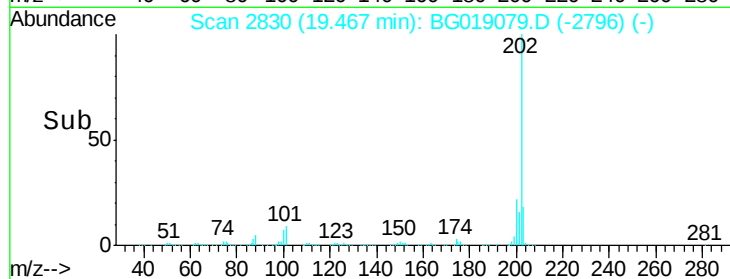
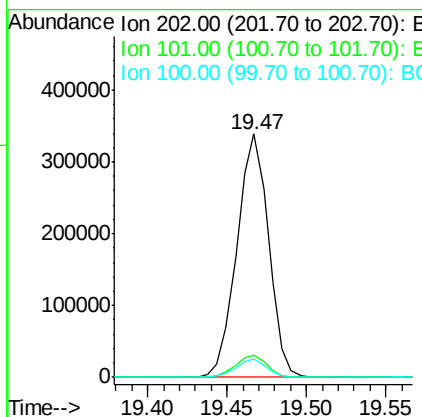
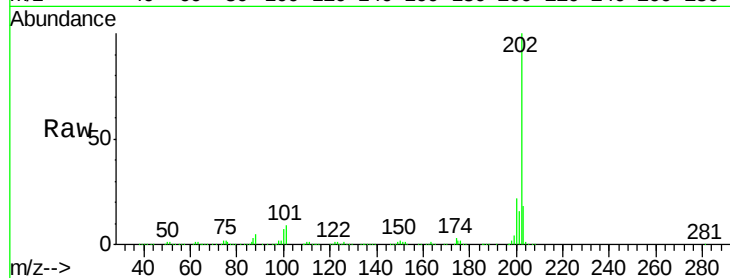




#77
 Fluoranthene
 Concen: 50.26 ng/ul
 RT: 19.47 min Scan# 2830
 Delta R.T. 0.00 min
 Lab File: BG019079.D
 Acq: 9 Oct 2015 14:08

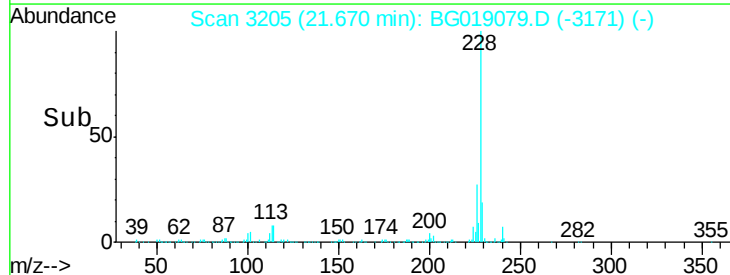
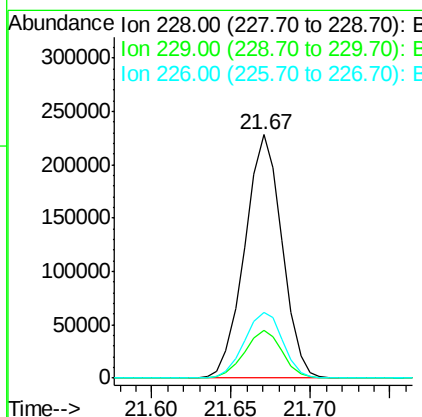
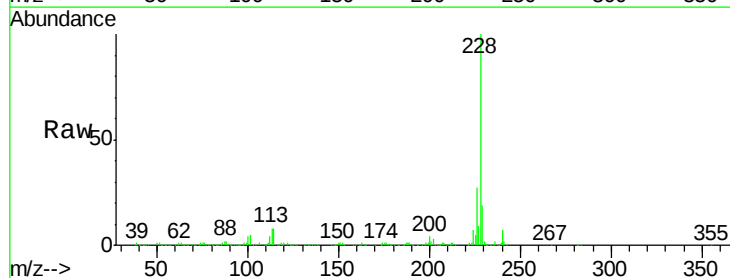
Instrument :
 BNA_G
 ClientSampleId :
 X2062

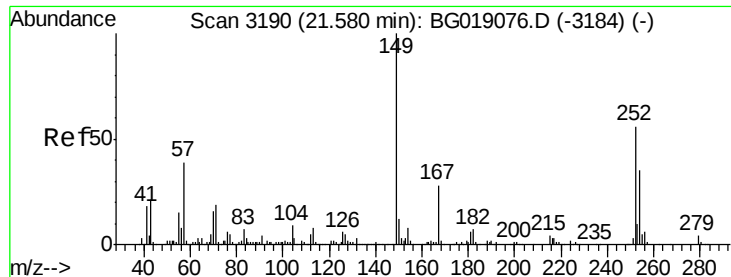
Tgt Ion	Ratio	Lower	Upper
202	100		
101	9.1	9.0	13.4
100	7.4	6.9	10.3



#83
 Benzo(a)anthracene
 Concen: 37.33 ng/ul
 RT: 21.67 min Scan# 3205
 Delta R.T. 0.00 min
 Lab File: BG019079.D
 Acq: 9 Oct 2015 14:08

Tgt Ion	Ratio	Lower	Upper
228	100		
229	19.4	16.6	24.8
226	26.9	22.8	34.2





#84

Bis(2-ethylhexyl)phthalate

Concen: 48.81 ng/ul

RT: 21.59 min Scan# 3191

Delta R.T. 0.01 min

Lab File: BG019079.D

Acq: 9 Oct 2015 14:08

Instrument :

BNA_G

ClientSampleId :

X2062

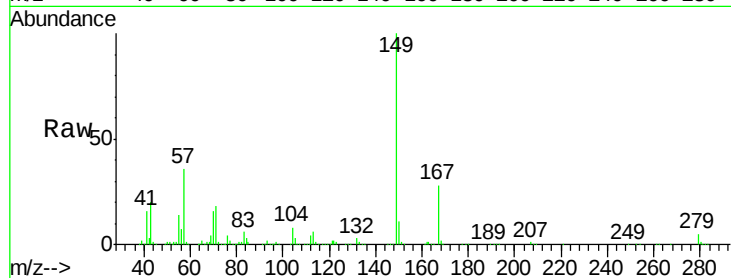
Tgt Ion:149 Resp: 280015

Ion Ratio Lower Upper

149 100

167 27.6 22.8 34.2

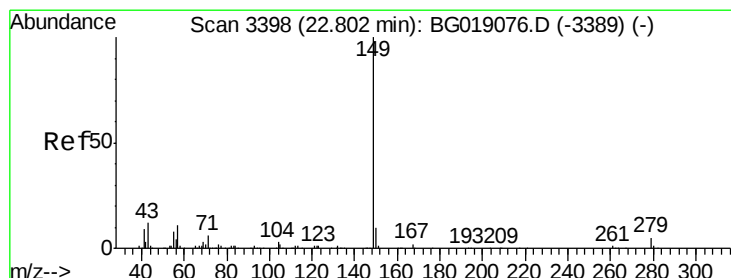
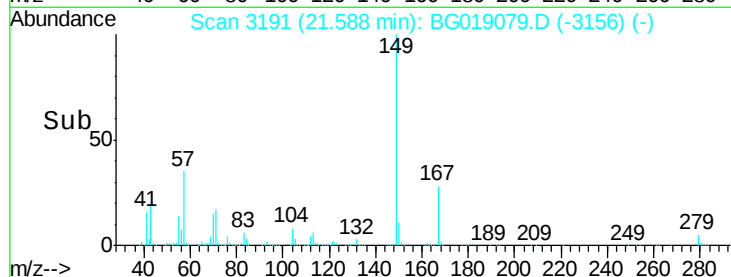
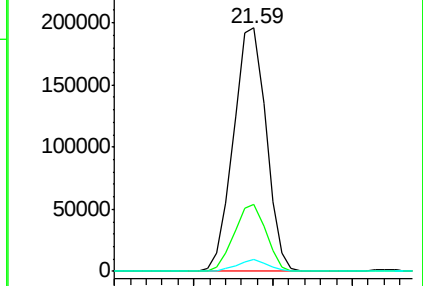
279 5.0 3.3 4.9#



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E



#87

Di-n-octyl phthalate

Concen: 53.56 ng/ul

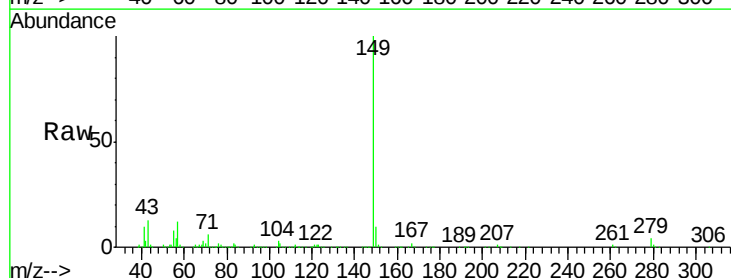
RT: 22.80 min Scan# 3398

Delta R.T. 0.00 min

Lab File: BG019079.D

Acq: 9 Oct 2015 14:08

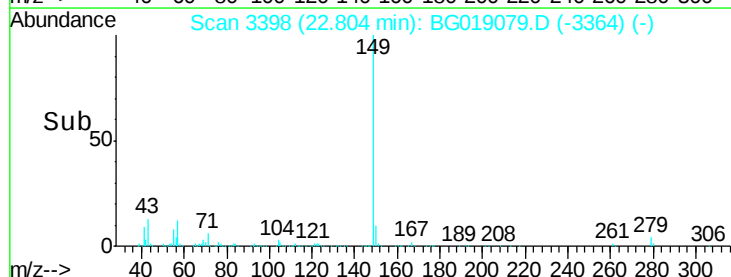
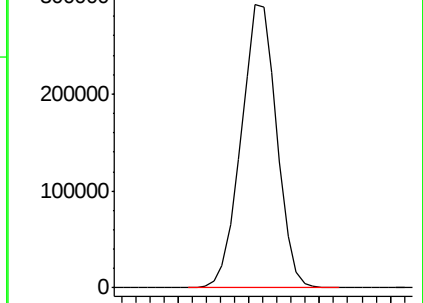
Tgt Ion:149 Resp: 513003

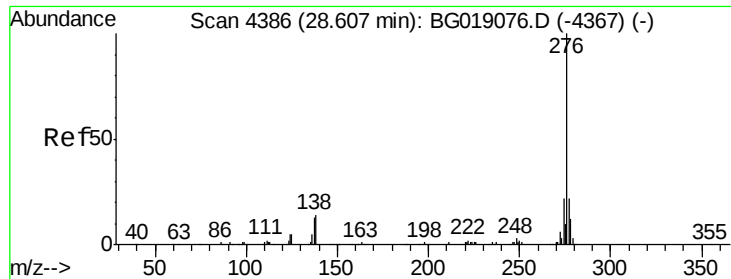


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E





#92

Indeno(1,2,3-cd)pyrene

Concen: 44.77 ng/ul

RT: 28.63 min Scan# 4389

Delta R.T. 0.01 min

Lab File: BG019079.D

Acq: 9 Oct 2015 14:08

Instrument :

BNA_G

ClientSampled :

X2062

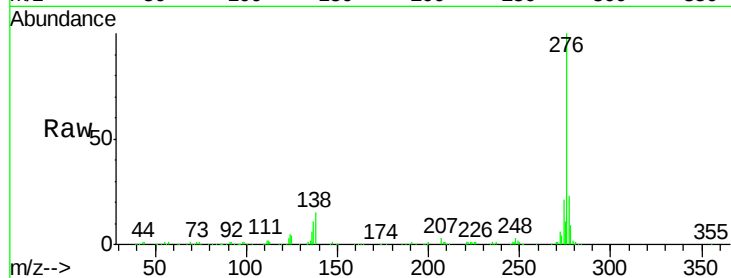
Tgt Ion:276 Resp: 494082

Ion Ratio Lower Upper

276 100

138 14.8 14.9 22.3#

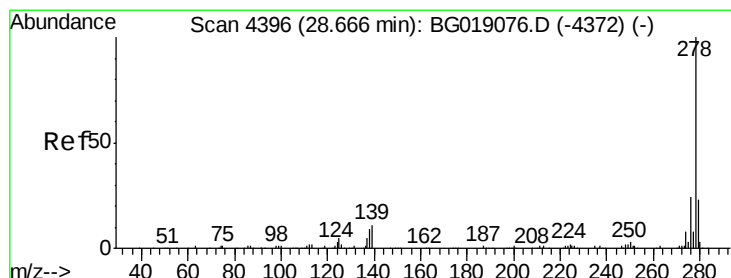
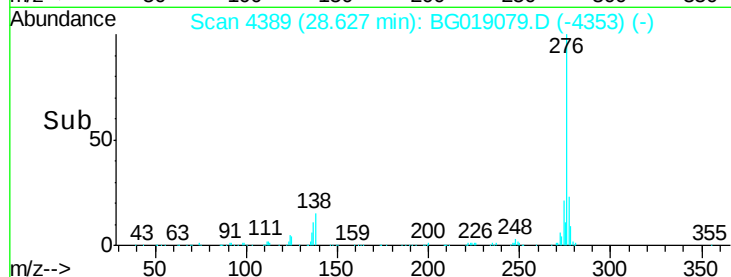
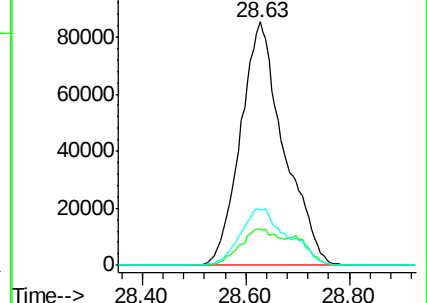
277 23.0 18.0 27.0



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: 47.41 ng/ul

RT: 28.70 min Scan# 4401

Delta R.T. 0.02 min

Lab File: BG019079.D

Acq: 9 Oct 2015 14:08

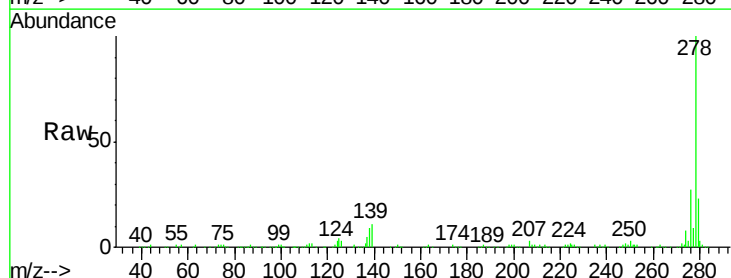
Tgt Ion:278 Resp: 452288

Ion Ratio Lower Upper

278 100

139 11.0 11.2 16.8#

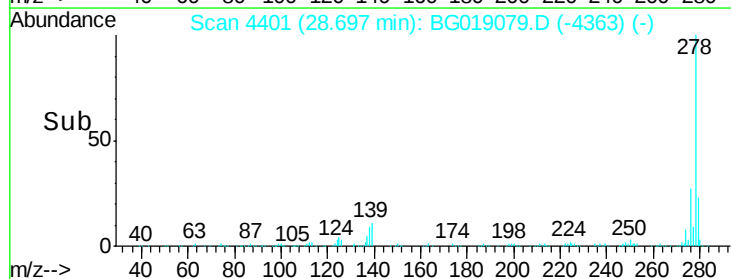
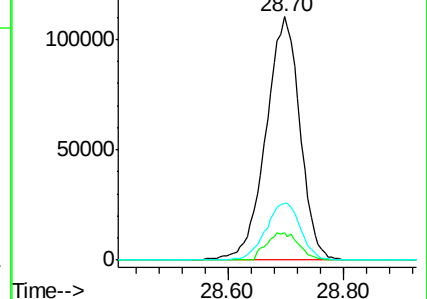
279 23.4 17.6 26.4

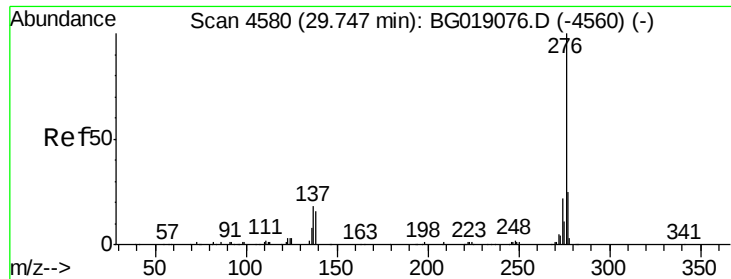


Abundance Ion 278.00 (277.70 to 278.70): E

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: 47.18 ng/ul

RT: 29.79 min Scan# 4587

Delta R.T. 0.04 min

Lab File: BG019079.D

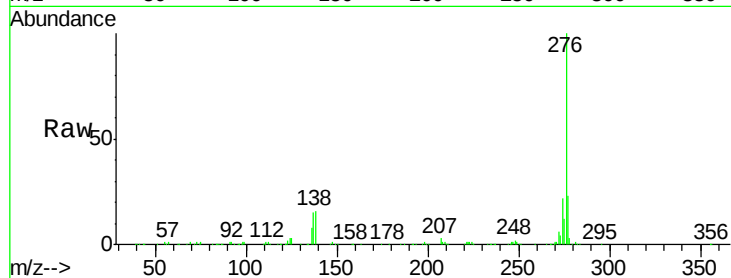
Acq: 9 Oct 2015 14:08

Instrument :

BNA_G

ClientSampleId :

X2062



Tgt Ion:	276	Resp:	433505
Ion	Ratio	Lower	Upper
276	100		
138	15.6	16.3	24.5#
277	22.8	18.7	28.1

