

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG051016\
 Data File : BG021822.D
 Acq On : 10 May 2016 18:42
 Operator : UM/SJ
 Sample : H2938-13
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 D9XB0

Quant Time: May 11 03:32:17 2016
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG050916.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed May 11 02:37:33 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.19	152	80008	20.00	ng/ul	0.00
18) Naphthalene-d8	11.00	136	395443	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.80	164	220200	20.00	ng/ul	0.00
62) Phenanthrene-d10	17.54	188	443664	20.00	ng/ul	0.00
76) Chrysene-d12	21.83	240	446780	20.00	ng/ul	0.00
84) Perylene-d12	25.18	264	438166	20.00	ng/ul	0.03

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.57	96	7232	4.36	ng/uL	0.00
5) Phenol-d5	7.33	99	164788	27.76	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.50	67	80697	27.41	ng/ul	0.00
9) 2-Chlorophenol-d4	7.72	132	147809	32.08	ng/ul	0.00
13) 4-Methylphenol-d8	8.88	113	118217	23.71	ng/ul	0.00
19) Nitrobenzene-d5	9.35	128	77091	29.65	ng/ul	0.00
22) 2-Nitrophenol-d4	10.08	143	71227	43.37	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	11.03	165	187	0.04	ng/ul	0.42
29) 4-Chloroaniline-d4	11.36	131	156	0.03	ng/ul	0.23
44) Dimethylphthalate-d6	14.20	166	453366	29.31	ng/ul	0.00
47) Acenaphthylene-d8	14.50	160	610198	27.79	ng/ul	0.00
52) 4-Nitrophenol-d4	14.99	143	57466	21.68	ng/ul	0.00
58) Fluorene-d10	15.79	176	419474	25.76	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.90	200	43304	35.24	ng/ul	0.00
71) Anthracene-d10	17.64	188	576610	26.70	ng/ul	0.00
77) Pyrene-d10	19.92	212	620526	29.67	ng/ul	0.00
88) Benzo(a)pyrene-d12	24.95	264	577428	27.74	ng/ul	0.03

Target Compounds

					Qvalue
4) Benzaldehyde	7.71	77	2216	3.43 ng/ul	92
28) Naphthalene	11.05	128	24524	1.24 ng/ul	98
45) Dimethylphthalate	14.25	163	81847	5.19 ng/ul	98
48) Acenaphthylene	14.53	152	28861	1.28 ng/ul	97
50) Acenaphthene	14.87	153	36545	2.34 ng/ul	96
59) Fluorene	15.85	166	44443	2.45 ng/ul	99
64) 4,6-Dinitro-2-methylphenol	15.83	198	4250	3.17 ng/ul#	72
70) Phenanthrene	17.59	178	1146923	47.28 ng/ul	93
72) Anthracene	17.67	178	156892	6.37 ng/ul	100
73) Carbazole	17.94	167	152424	7.14 ng/ul#	96
74) Di-n-butylphthalate	18.49	149	59252	3.05 ng/ul#	95
78) Pyrene	19.95	202	1996728	77.25 ng/ul#	82
81) Benzo(a)anthracene	21.82	228	1329266	53.46 ng/ul#	91
82) Bis(2-ethylhexyl)phthalate	21.70	149	170099	18.24 ng/ul	98
83) Chrysene	21.82	228	1329266	54.05 ng/ul	94
86) Benzo(b)fluoranthene	24.12	252	2085517	83.15 ng/ul#	92
87) Benzo(k)fluoranthene	24.12	252	2085517	77.67 ng/ul#	91
89) Benzo(a)pyrene	25.02	252	1261059	50.51 ng/ul#	91
90) Indeno(1,2,3-cd)pyrene	29.03	276	1004632	33.95 ng/ul#	91
91) Dibenzo(a,h)anthracene	28.89	278	42265	1.72 ng/ul	95
92) Benzo(g,h,i)perylene	30.23	276	798276	32.69 ng/ul#	89

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Response via : Initial Calibration

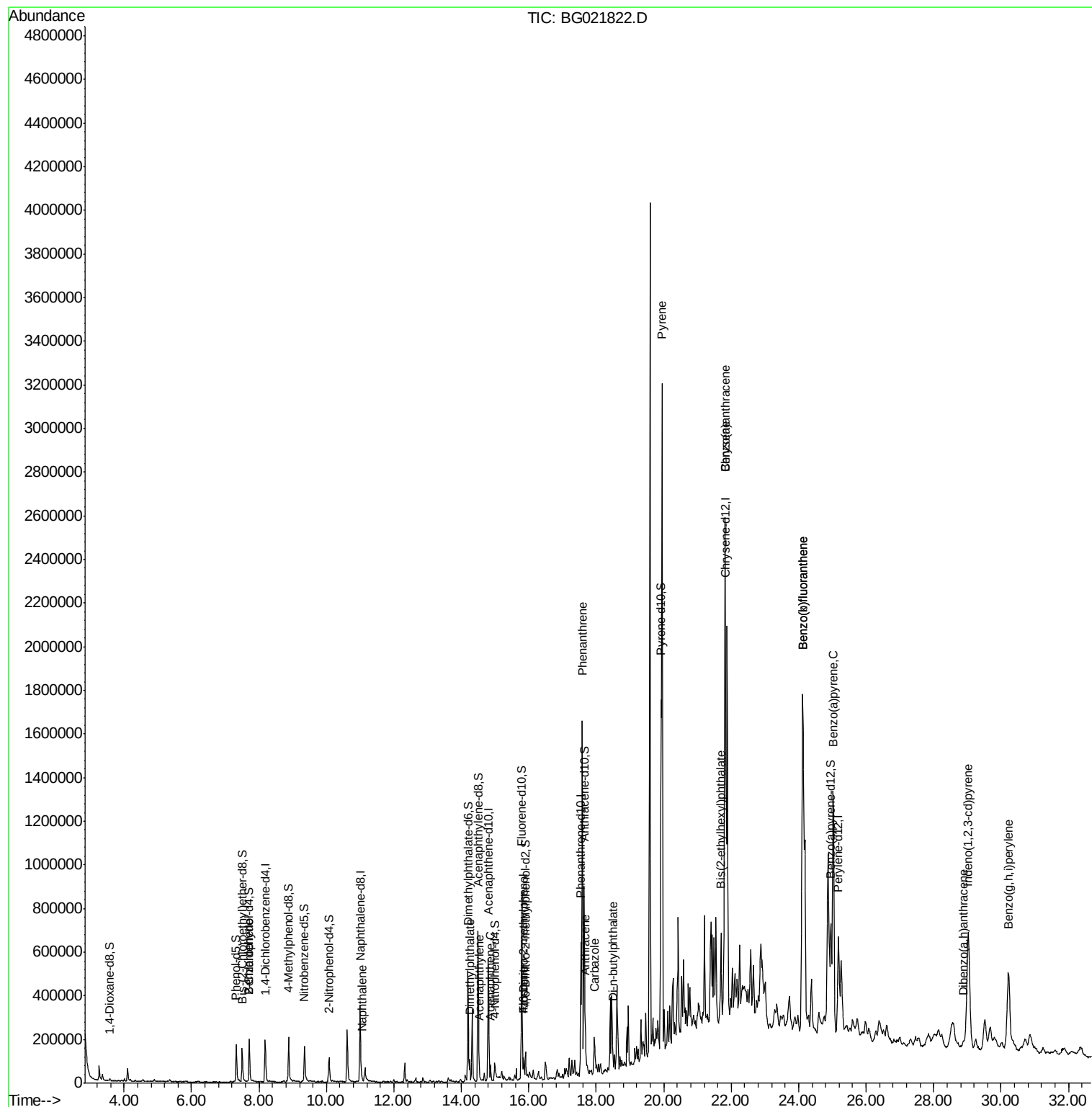
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

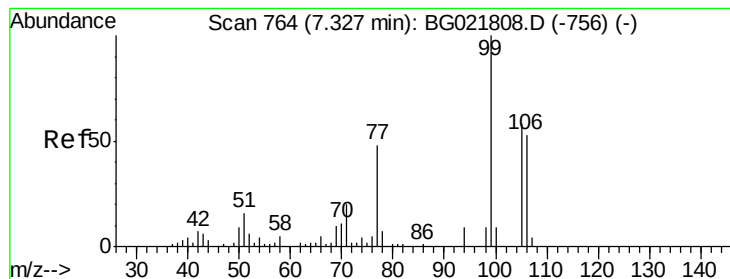
(#) = qualifier out of range (m) = manual integration (+) = signals summed						

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#4

Benzaldehyde

Concen: 3.43 ng/ul

RT: 7.71 min Scan# 829

Delta R.T. 0.38 min

Lab File: BG021822.D

Acq: 10 May 2016 18:42

Instrument :

BNA_G

ClientSampleId :

D9XB0

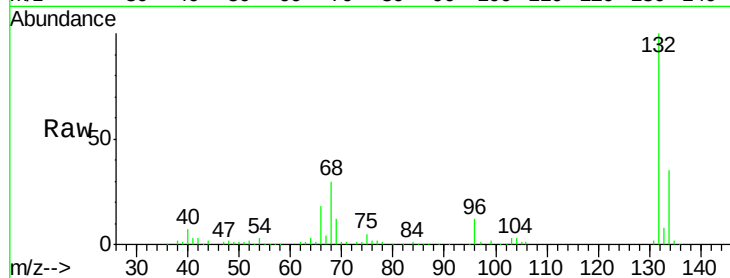
Tgt Ion: 77 Resp: 2216

Ion Ratio Lower Upper

77 100

105 92.7 68.5 102.7

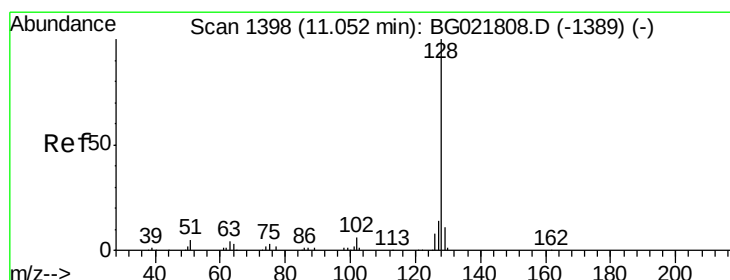
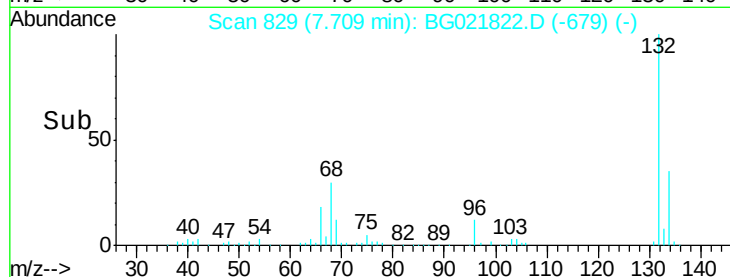
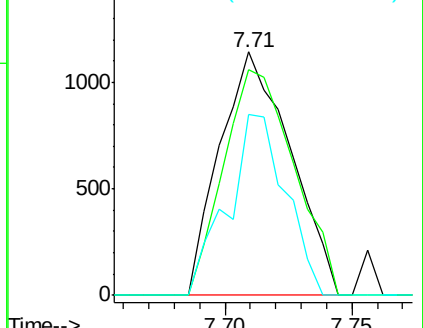
106 74.1 65.0 97.4



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



#28

Naphthalene

Concen: 1.24 ng/ul

RT: 11.05 min Scan# 1398

Delta R.T. 0.00 min

Lab File: BG021822.D

Acq: 10 May 2016 18:42

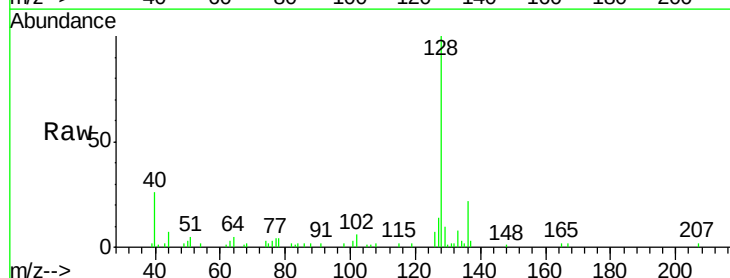
Tgt Ion: 128 Resp: 24524

Ion Ratio Lower Upper

128 100

129 9.6 8.3 12.5

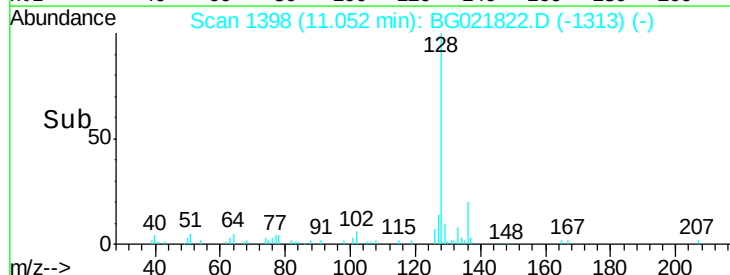
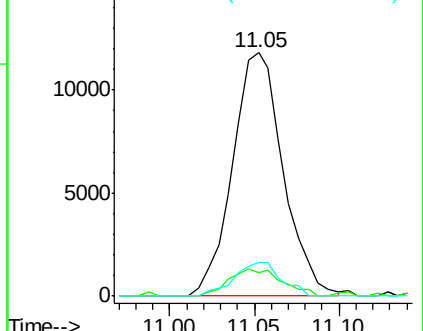
127 14.0 10.8 16.2

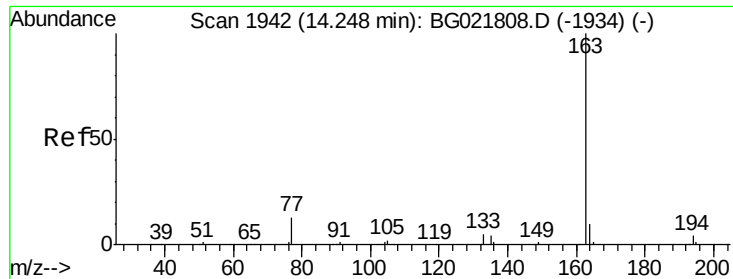


Abundance Ion 128.00 (127.70 to 128.70): BGC

Ion 129.00 (128.70 to 129.70): BGC

Ion 127.00 (126.70 to 127.70): BGC





#45

Dimethylphthalate

Concen: 5.19 ng/ul

RT: 14.25 min Scan# 1942

Delta R.T. 0.00 min

Lab File: BG021822.D

Acq: 10 May 2016 18:42

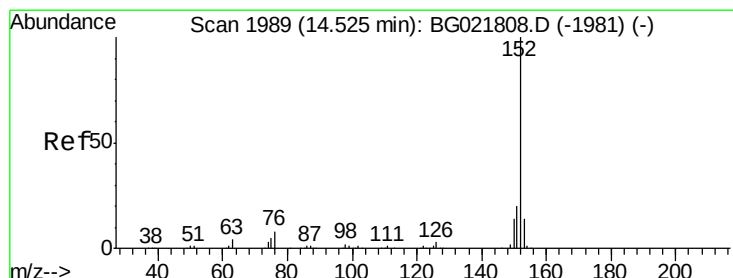
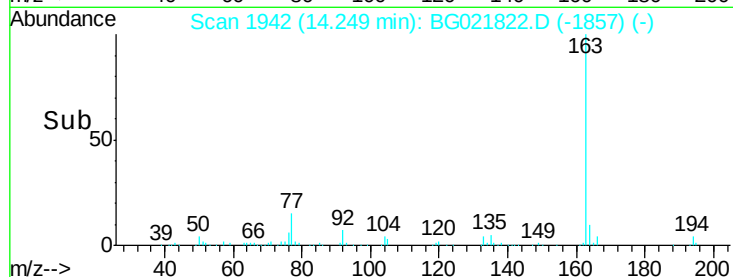
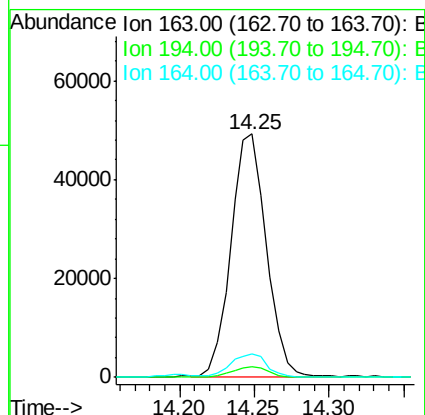
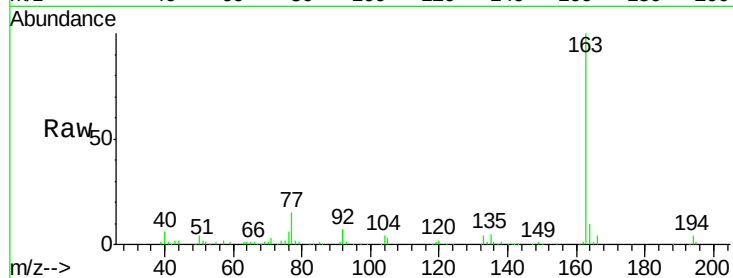
Instrument :

BNA_G

ClientSampleId :

D9XB0

Tgt Ion:	163	Resp:	81847
Ion	Ratio	Lower	Upper
163	100		
194	4.5	3.9	5.9
164	9.9	8.7	13.1



#48

Acenaphthylene

Concen: 1.28 ng/ul

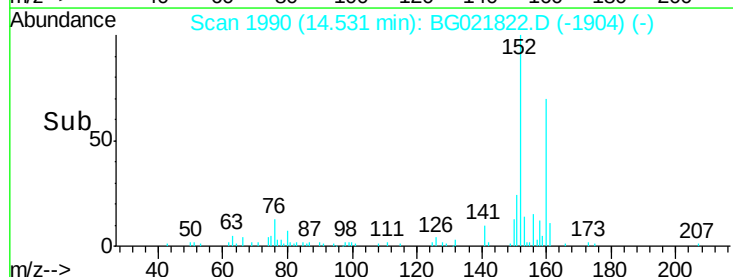
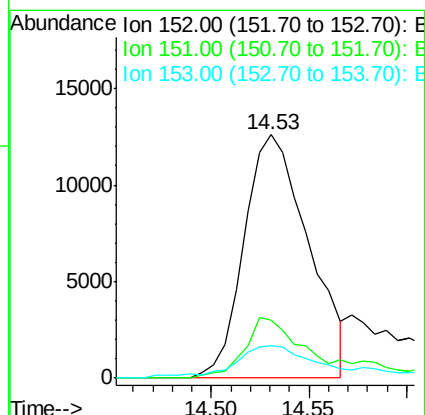
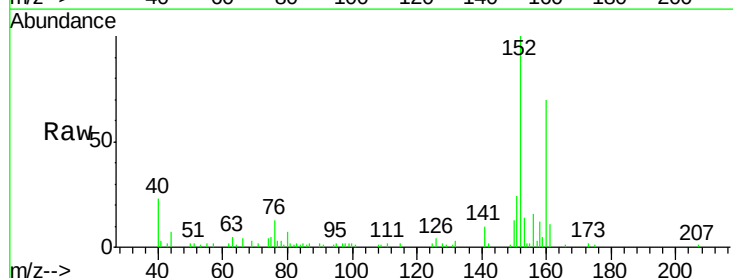
RT: 14.53 min Scan# 1990

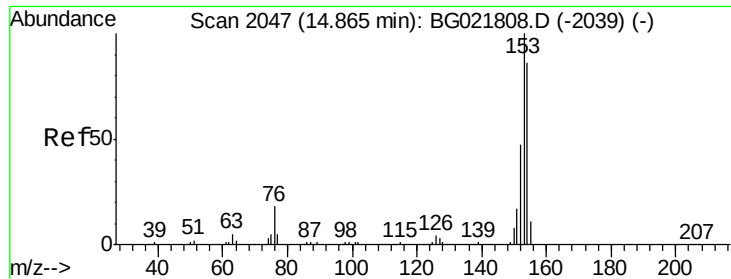
Delta R.T. 0.01 min

Lab File: BG021822.D

Acq: 10 May 2016 18:42

Tgt Ion:	152	Resp:	28861
Ion	Ratio	Lower	Upper
152	100		
151	23.6	17.3	25.9
153	13.5	11.1	16.7





#50

Acenaphthene

Concen: 2.34 ng/ul

RT: 14.87 min Scan# 2047

Delta R.T. 0.00 min

Lab File: BG021822.D

Acq: 10 May 2016 18:42

Instrument :

BNA_G

ClientSampleId :

D9XB0

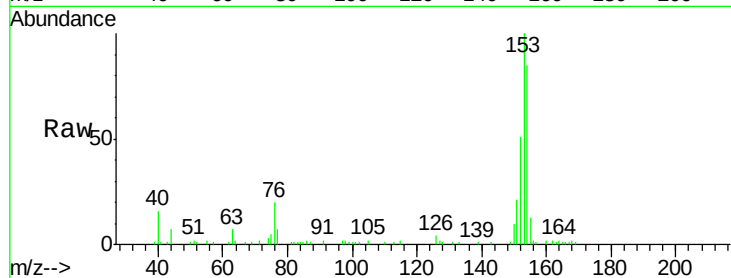
Tgt Ion:153 Resp: 36545

Ion Ratio Lower Upper

153 100

152 50.9 36.5 54.7

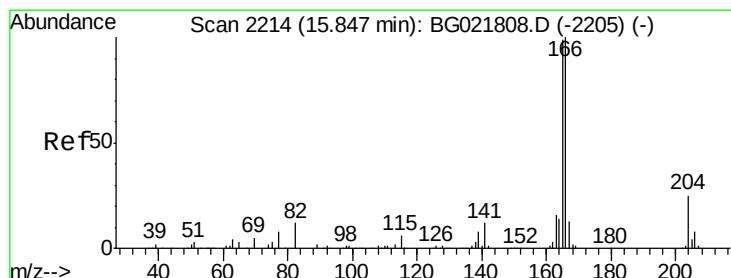
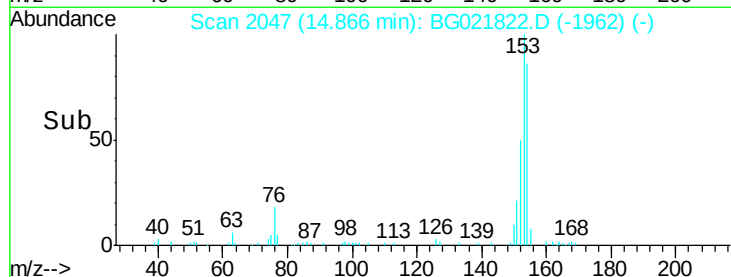
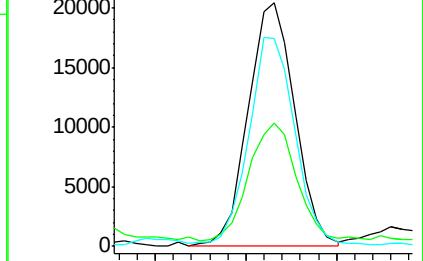
154 85.4 67.3 100.9



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



#59

Fluorene

Concen: 2.45 ng/ul

RT: 15.85 min Scan# 2214

Delta R.T. 0.00 min

Lab File: BG021822.D

Acq: 10 May 2016 18:42

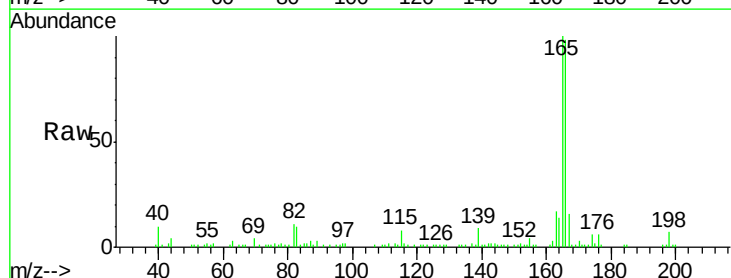
Tgt Ion:166 Resp: 44443

Ion Ratio Lower Upper

166 100

165 102.1 81.1 121.7

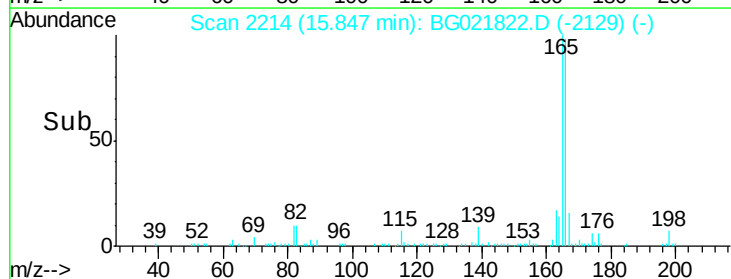
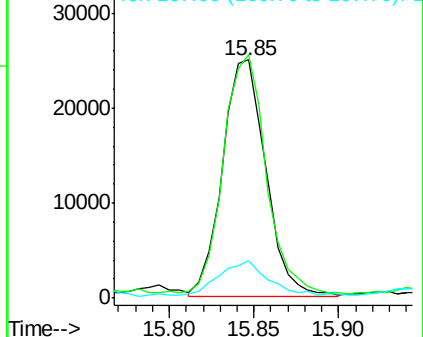
167 15.9 10.6 16.0

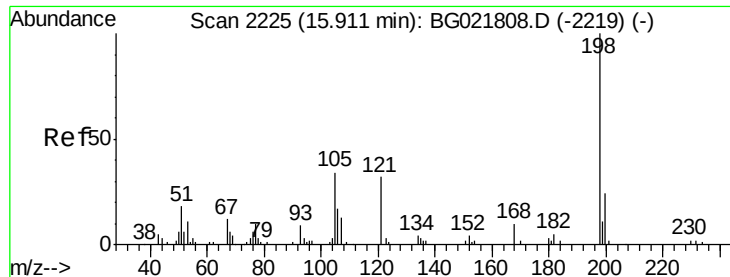


Abundance Ion 166.00 (165.70 to 166.70): E

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: 3.17 ng/ul

RT: 15.83 min Scan# 2212

Delta R.T. -0.08 min

Lab File: BG021822.D

Acq: 10 May 2016 18:42

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BNA_G

ClientSampleId :

D9XB0

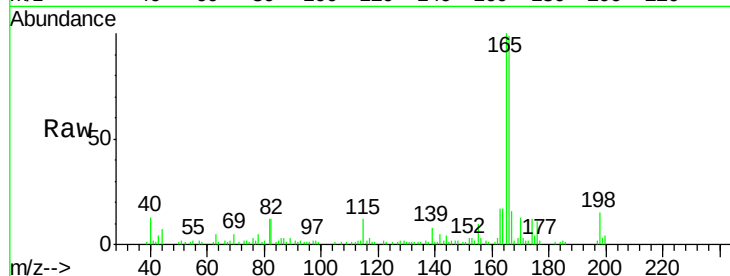
Tgt Ion:198 Resp: 4250

Ion Ratio Lower Upper

198 100

182 7.0 3.8 5.8#

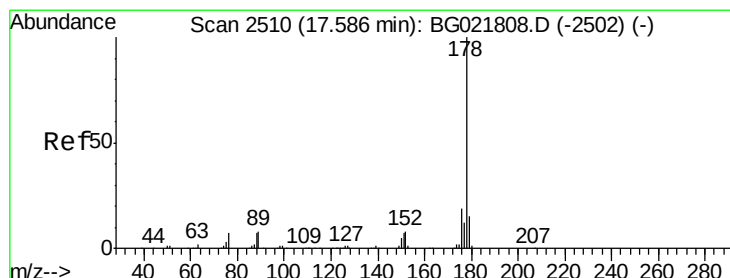
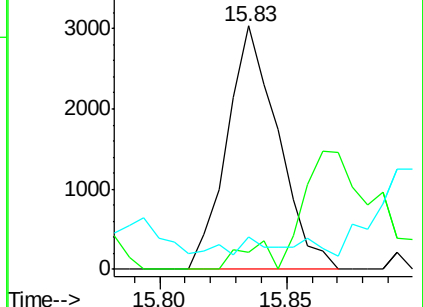
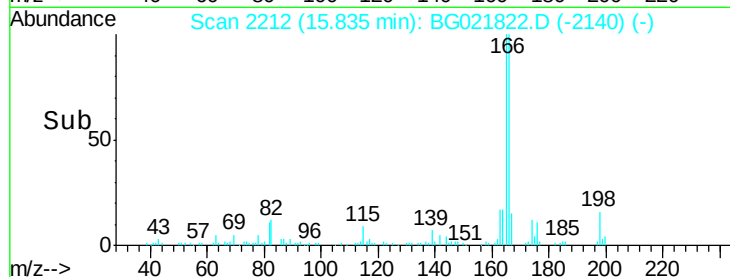
77 13.4 24.2 36.4#



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): BGC



#70

Phenanthrene

Concen: 47.28 ng/ul

RT: 17.59 min Scan# 2510

Delta R.T. 0.00 min

Lab File: BG021822.D

Acq: 10 May 2016 18:42

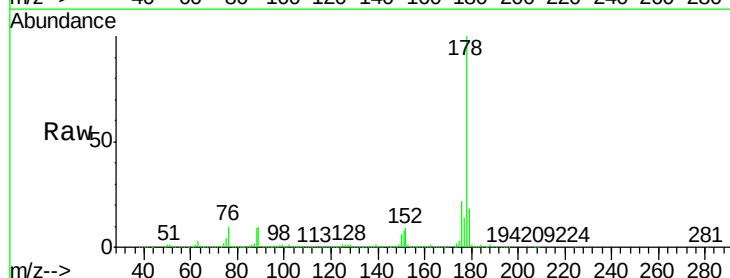
Tgt Ion:178 Resp: 1146923

Ion Ratio Lower Upper

178 100

179 17.5 11.8 17.8

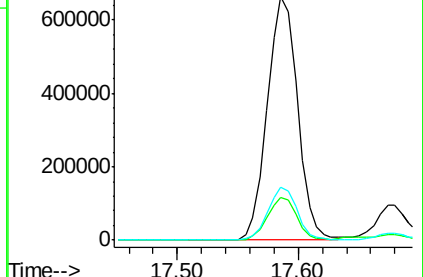
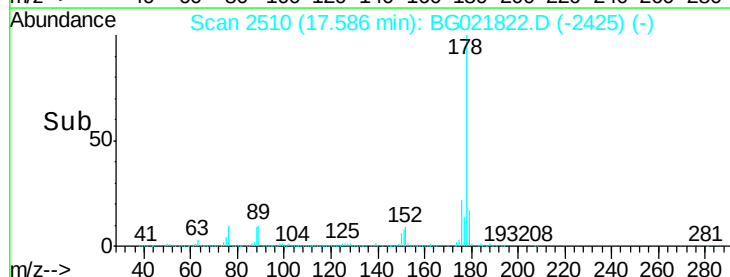
176 21.7 14.8 22.2

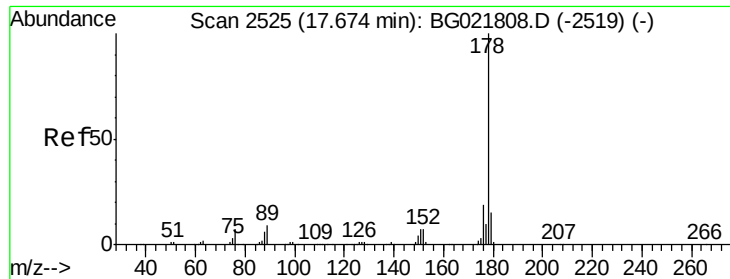


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#72

Anthracene

Concen: 6.37 ng/ul

RT: 17.67 min Scan# 2525

Delta R.T. 0.00 min

Lab File: BG021822.D

Acq: 10 May 2016 18:42

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BNA_G

ClientSampleId :

D9XB0

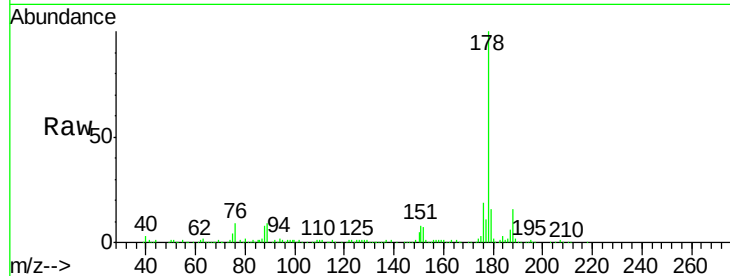
Tgt Ion:178 Resp: 156892

Ion Ratio Lower Upper

178 100

179 16.1 12.9 19.3

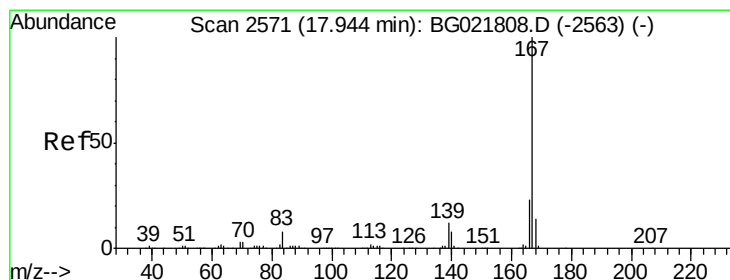
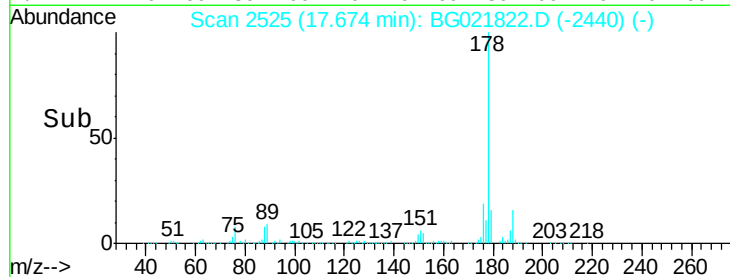
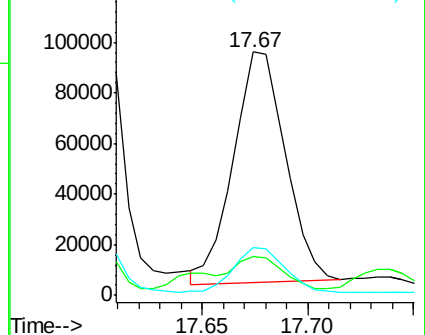
176 19.5 15.6 23.4



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



#73

Carbazole

Concen: 7.14 ng/ul

RT: 17.94 min Scan# 2571

Delta R.T. 0.00 min

Lab File: BG021822.D

Acq: 10 May 2016 18:42

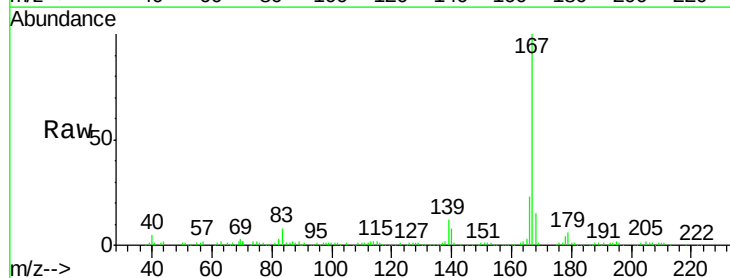
Tgt Ion:167 Resp: 152424

Ion Ratio Lower Upper

167 100

166 23.5 19.0 28.4

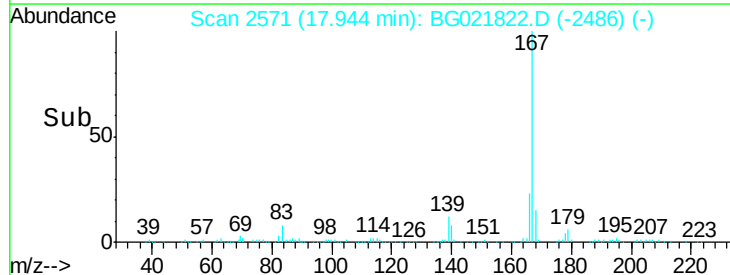
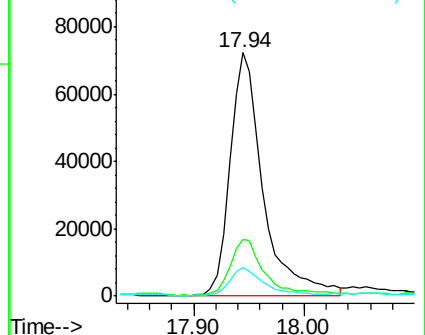
139 11.6 12.2 18.4#

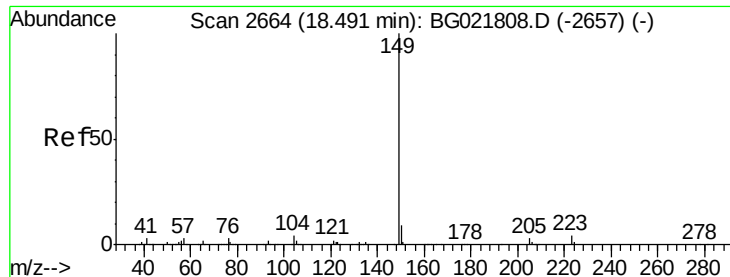


Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E





#74

Di-n-butylphthalate

Concen: 3.05 ng/ul

RT: 18.49 min Scan# 2664

Delta R.T. 0.00 min

Lab File: BG021822.D

Acq: 10 May 2016 18:42

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BNA_G

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D9XB0

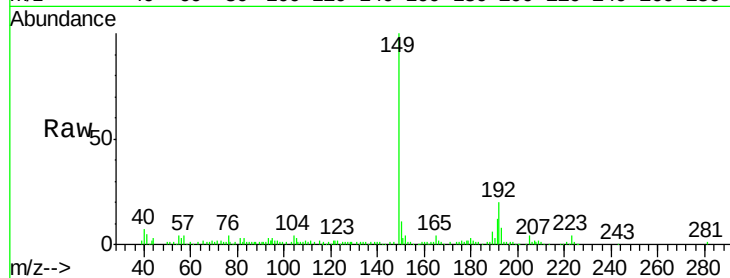
Tgt Ion:149 Resp: 59252

Ion Ratio Lower Upper

149 100

150 10.5 7.5 11.3

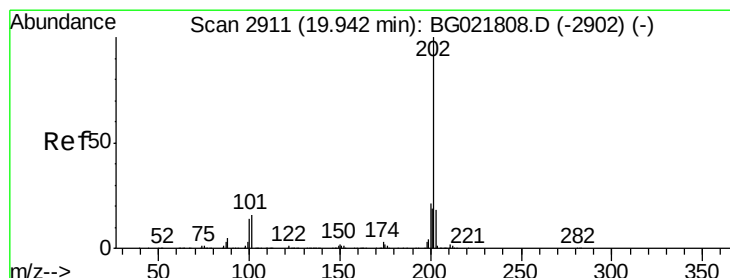
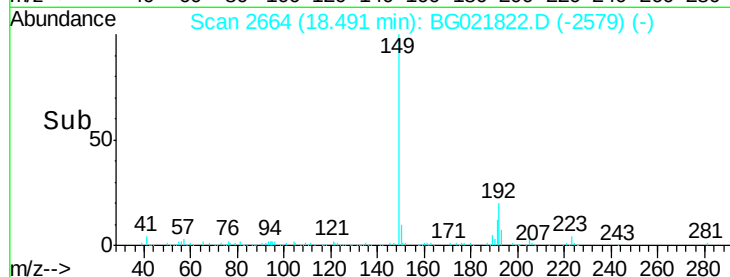
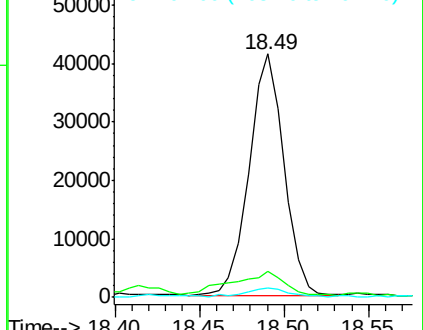
104 3.8 5.4 8.2#



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E



#78

Pyrene

Concen: 77.25 ng/ul

RT: 19.95 min Scan# 2913

Delta R.T. 0.01 min

Lab File: BG021822.D

Acq: 10 May 2016 18:42

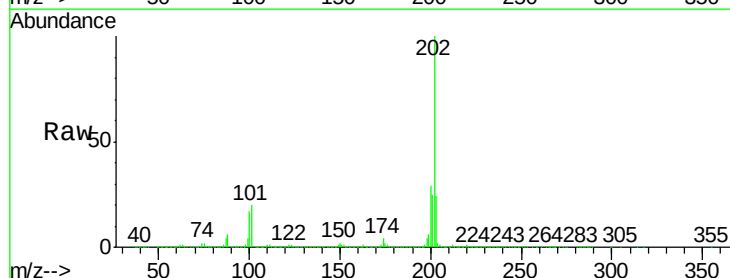
Tgt Ion:202 Resp: 1996728

Ion Ratio Lower Upper

202 100

101 20.3 9.8 14.8#

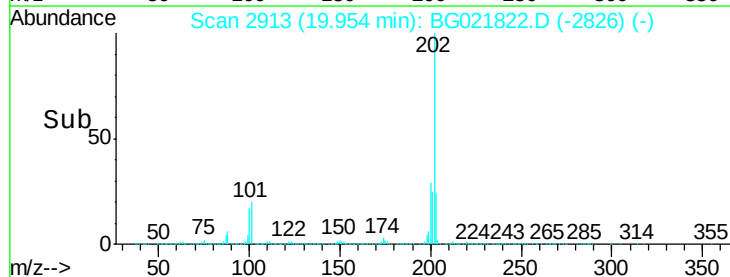
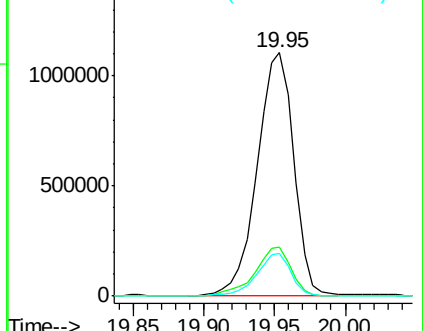
100 17.3 9.3 13.9#

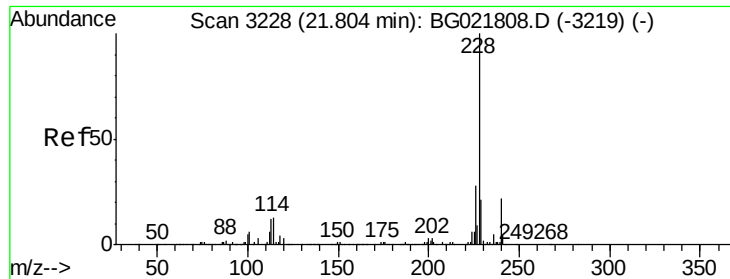


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): E

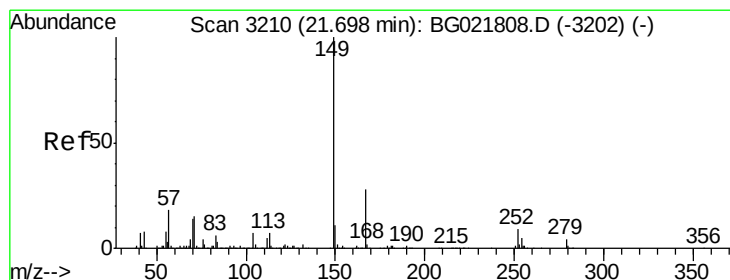
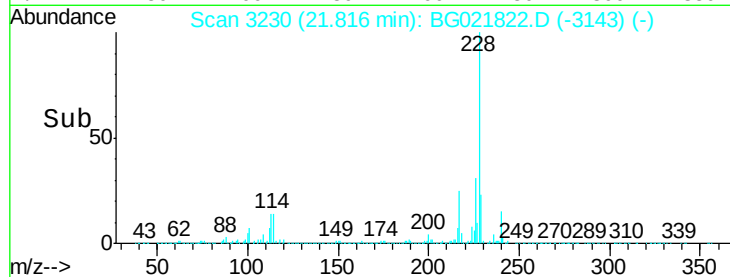
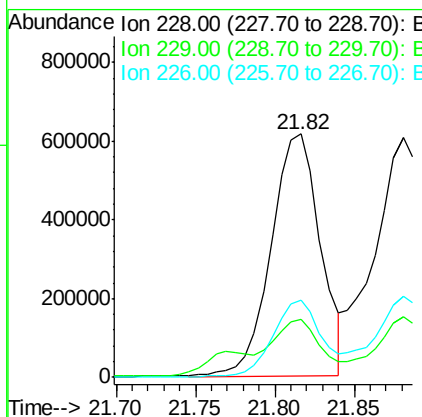
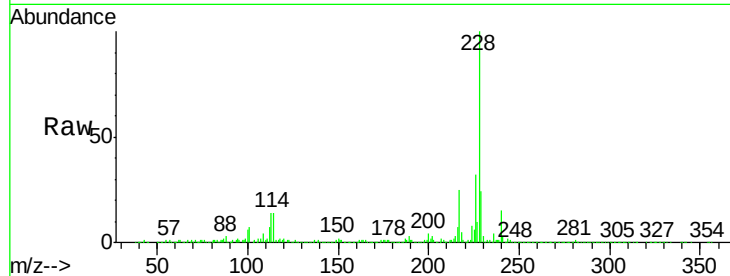




#81
Benzo(a)anthracene
Concen: 53.46 ng/ul
RT: 21.82 min Scan# 3230
Delta R.T. 0.01 min
Lab File: BG021822.D
Acq: 10 May 2016 18:42

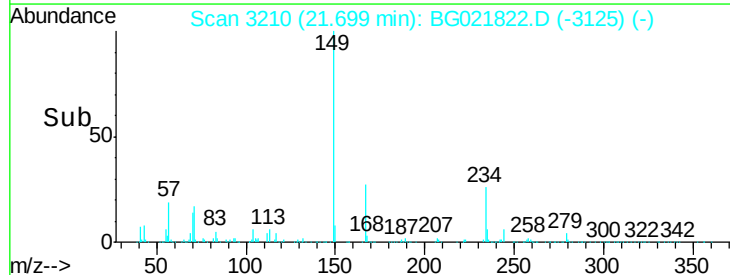
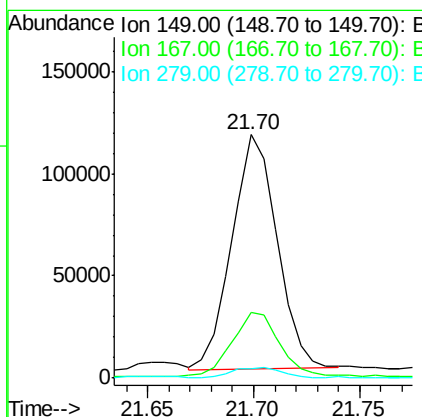
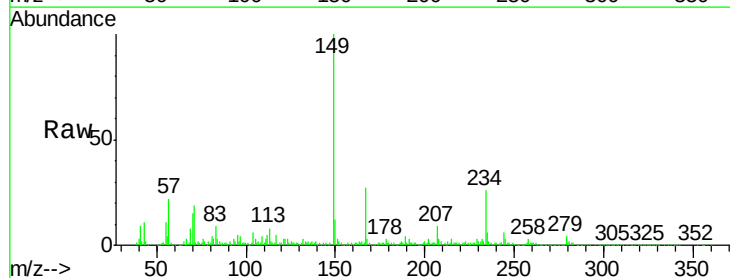
Instrument :
BNA_G
ClientSampleId :
D9XB0

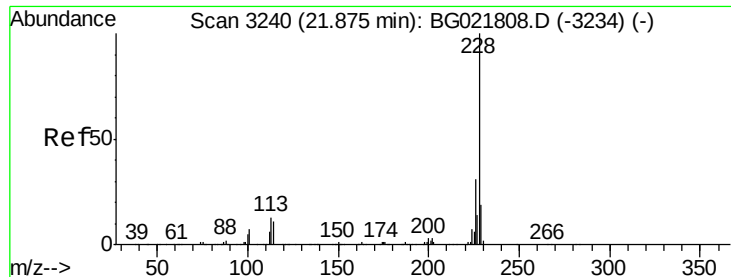
Tgt Ion:228 Resp: 1329266
Ion Ratio Lower Upper
228 100
229 23.9 16.6 25.0
226 31.5 21.0 31.4#



#82
Bis(2-ethylhexyl)phthalate
Concen: 18.24 ng/ul
RT: 21.70 min Scan# 3210
Delta R.T. 0.00 min
Lab File: BG021822.D
Acq: 10 May 2016 18:42

Tgt Ion:149 Resp: 170099
Ion Ratio Lower Upper
149 100
167 26.7 20.5 30.7
279 4.1 3.7 5.5

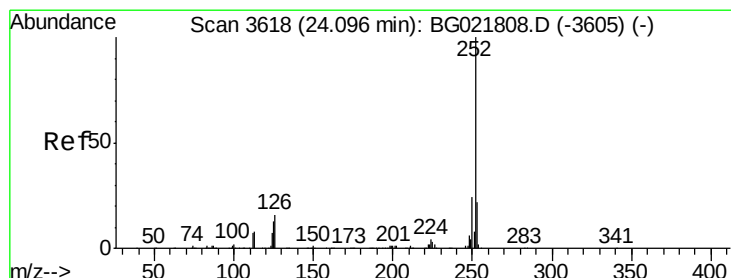
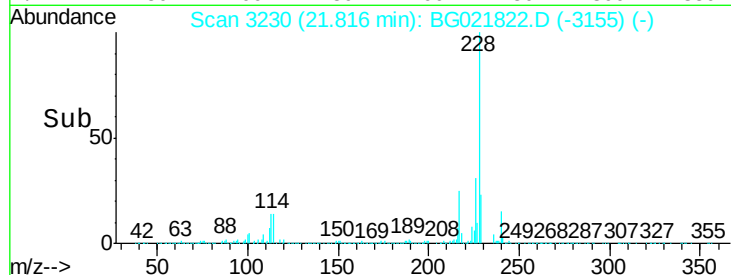
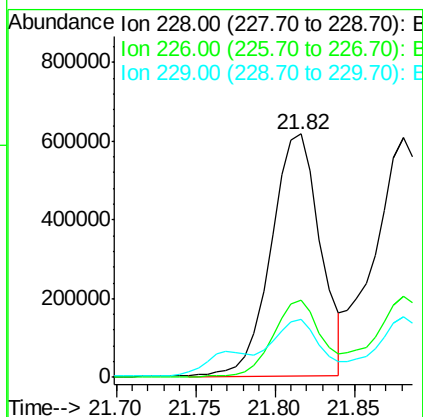
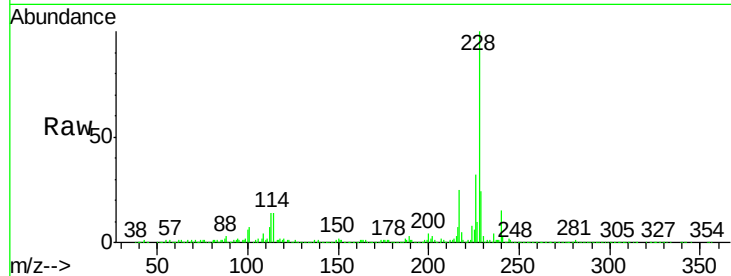




#83
Chrysene
Concen: 54.05 ng/ul
RT: 21.82 min Scan# 3230
Delta R.T. -0.06 min
Lab File: BG021822.D
Acq: 10 May 2016 18:42

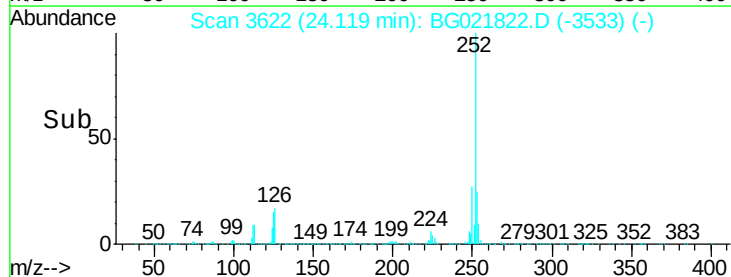
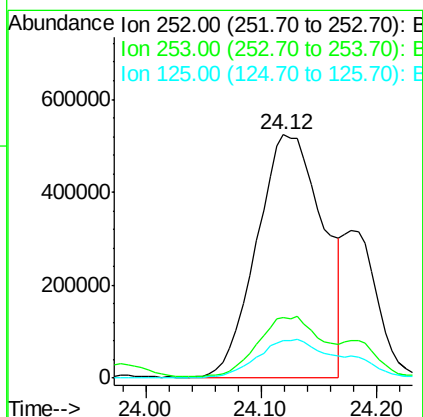
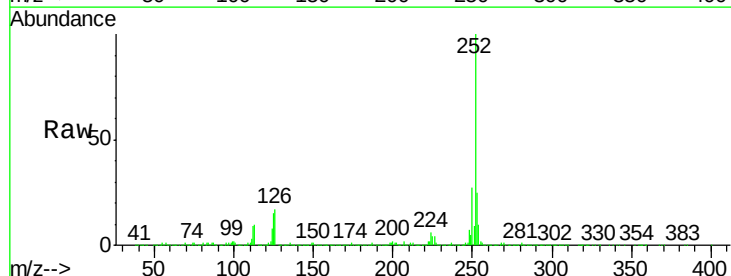
Instrument :
BNA_G
ClientSampleId :
D9XB0

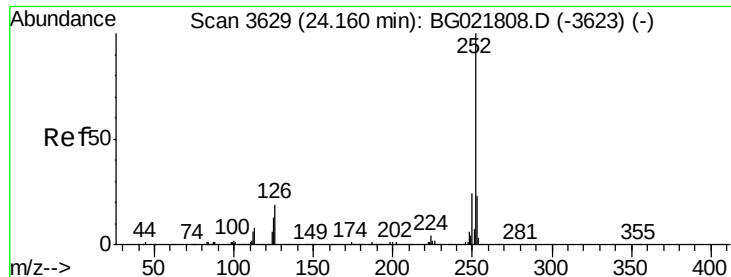
Tgt Ion: 228 Resp: 1329266
Ion Ratio Lower Upper
228 100
226 31.5 23.4 35.2
229 23.9 16.2 24.2



#86
Benzo(b)fluoranthene
Concen: 83.15 ng/ul
RT: 24.12 min Scan# 3622
Delta R.T. 0.02 min
Lab File: BG021822.D
Acq: 10 May 2016 18:42

Tgt Ion: 252 Resp: 2085517
Ion Ratio Lower Upper
252 100
253 25.0 18.1 27.1
125 15.2 7.6 11.4#

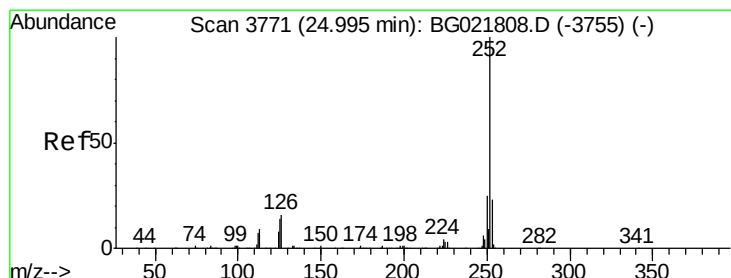
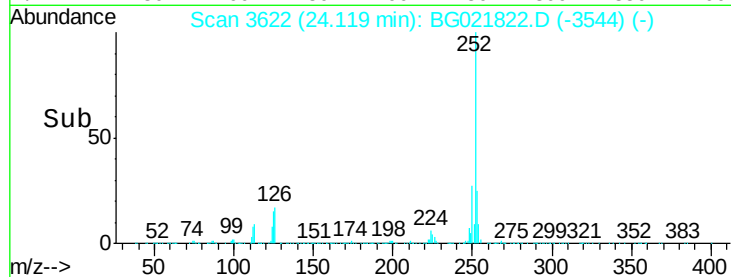
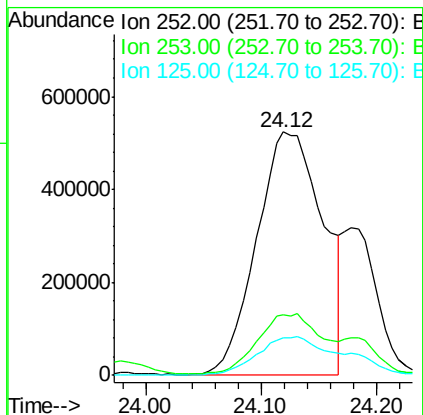
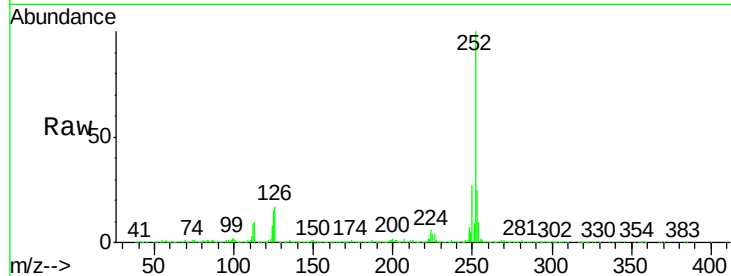




#87
Benzo(k)fluoranthene
Concen: 77.67 ng/ul
RT: 24.12 min Scan# 3622
Delta R.T. -0.04 min
Lab File: BG021822.D
Acq: 10 May 2016 18:42

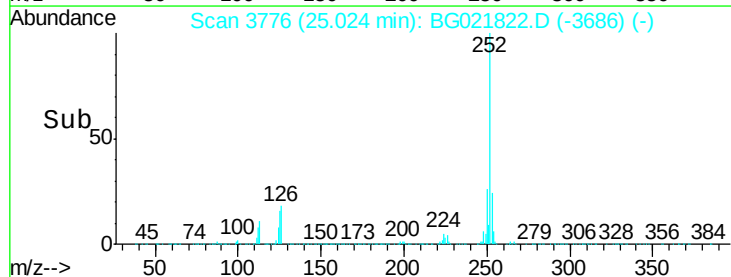
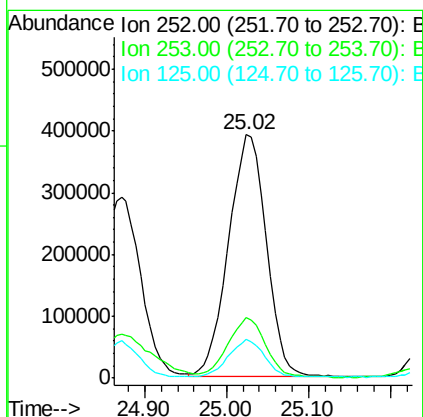
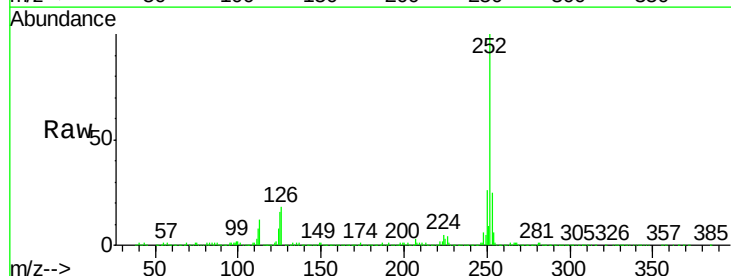
Instrument :
BNA_G
ClientSampleId :
D9XB0

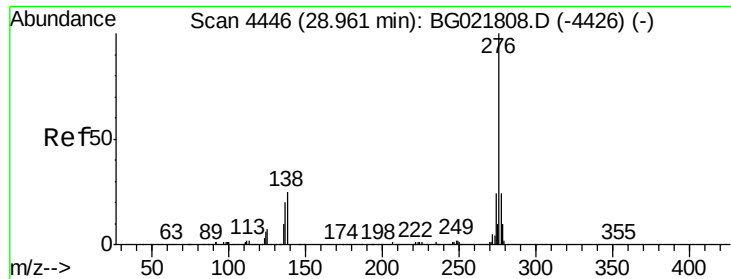
Tgt Ion:252 Resp: 2085517
Ion Ratio Lower Upper
252 100
253 25.0 17.8 26.8
125 15.2 7.7 11.5#



#89
Benzo(a)pyrene
Concen: 50.51 ng/ul
RT: 25.02 min Scan# 3776
Delta R.T. 0.03 min
Lab File: BG021822.D
Acq: 10 May 2016 18:42

Tgt Ion:252 Resp: 1261059
Ion Ratio Lower Upper
252 100
253 24.7 17.4 26.0
125 16.0 8.2 12.2#





#90

Indeno(1,2,3-cd)pyrene

Concen: 33.95 ng/ul

RT: 29.03 min Scan# 4457

Delta R.T. 0.06 min

Lab File: BG021822.D

Acq: 10 May 2016 18:42

Instrument :

BNA_G

ClientSampleId :

D9XB0

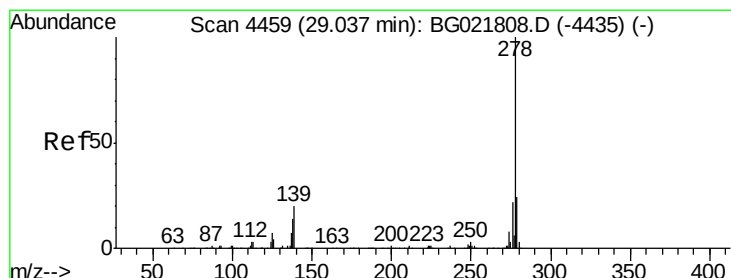
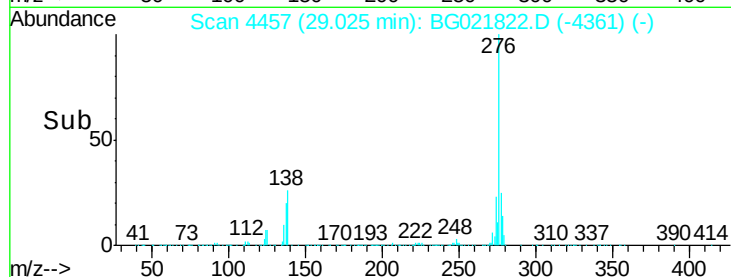
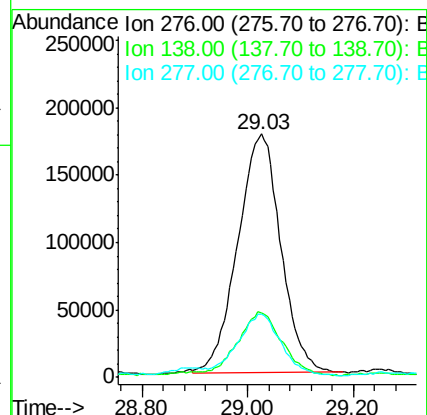
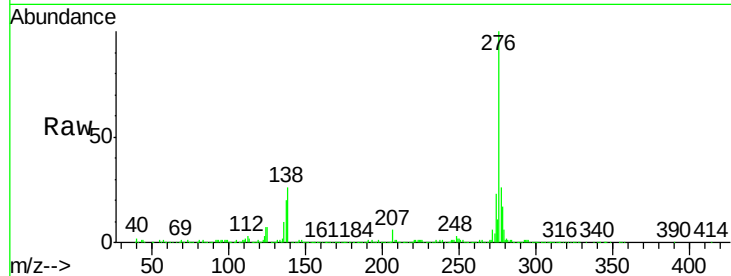
Tgt Ion:276 Resp: 1004632

Ion Ratio Lower Upper

276 100

138 26.3 15.8 23.6#

277 25.8 19.0 28.6



#91

Dibenzo(a,h)anthracene

Concen: 1.72 ng/ul

RT: 28.89 min Scan# 4434

Delta R.T. -0.15 min

Lab File: BG021822.D

Acq: 10 May 2016 18:42

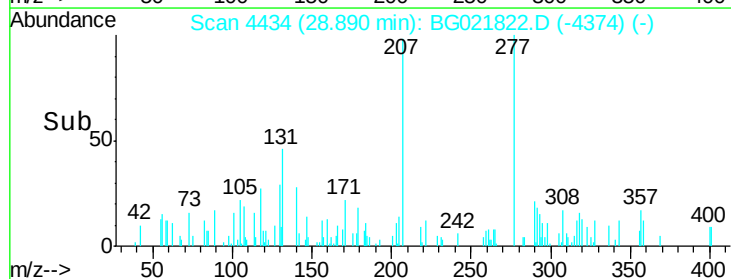
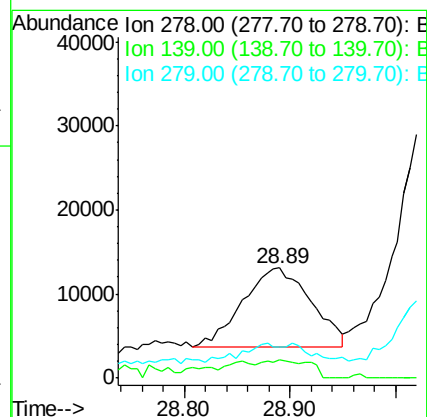
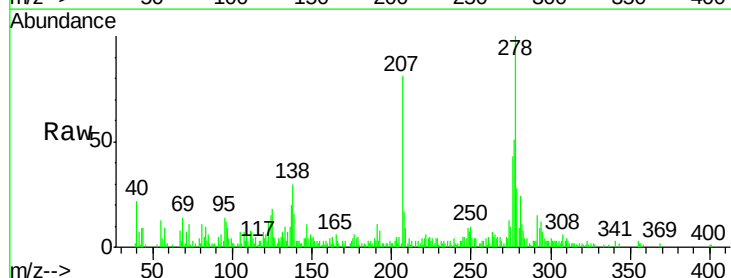
Tgt Ion:278 Resp: 42265

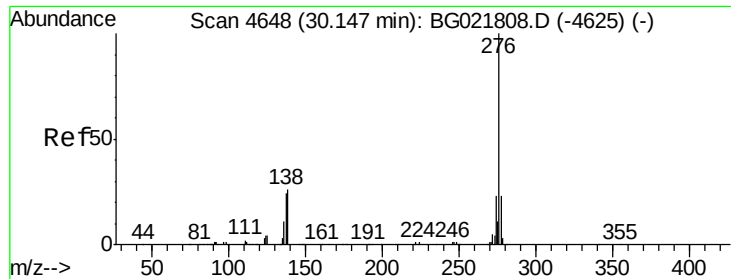
Ion Ratio Lower Upper

278 100

139 16.2 12.1 18.1

279 27.9 19.8 29.8





#92

Benzo(g,h,i)perylene

Concen: 32.69 ng/ul

RT: 30.23 min Scan# 4662

Delta R.T. 0.08 min

Lab File: BG021822.D

Acq: 10 May 2016 18:42

Instrument :

BNA_G

ClientSampleId :

D9XB0

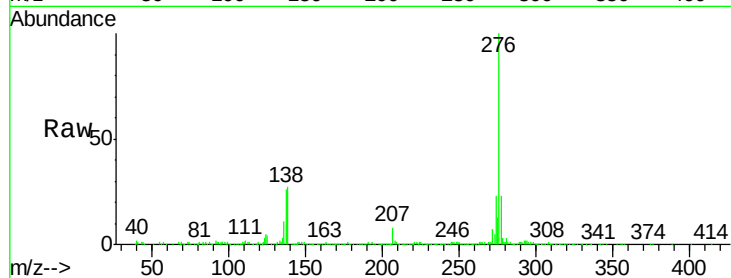
Tgt Ion: 276 Resp: 798276

Ion Ratio Lower Upper

276 100

138 26.9 13.9 20.9#

277 23.4 19.8 29.6



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

