

Data Path : Z:\HPCHEM1\BNA G\DATA\BG033115\
 Data File : BG016212.D
 Acq On : 31 Mar 2015 22:22
 Operator : TP/IZ
 Sample : G1647-07 10X
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Apr 01 08:50:31 2015
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM01.2-EPA-BG033115.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed Apr 01 04:39:57 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.77	152	83544	20.00	ng/ul	0.00
18) Naphthalene-d8	10.55	136	370313	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.40	164	208658	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.14	188	376790	20.00	ng/ul	0.00
75) Chrysene-d12	21.32	240	386097	20.00	ng/ul	0.00
83) Perylene-d12	23.60	264	377689	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	2.86	96	108	0.06	ng/uL	-0.37
5) Phenol-d5	6.94	99	42909	5.60	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.10	67	24663	5.57	ng/ul	0.00
9) 2-Chlorophenol-d4	7.30	132	32465	5.40	ng/ul	0.00
13) 4-Methylphenol-d8	8.47	113	33073	5.54	ng/ul	0.00
19) Nitrobenzene-d5	8.92	128	17424	5.61	ng/ul	0.00
22) 2-Nitrophenol-d4	9.64	143	18048	5.20	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.18	165	29437	5.22	ng/ul	0.00
29) 4-Chloroaniline-d4	10.69	131	28565	3.76	ng/ul	0.00
43) Dimethylphthalate-d6	13.80	166	84328	6.11	ng/ul	0.00
46) Acenaphthylene-d8	14.09	160	112648	5.81	ng/ul	0.00
51) 4-Nitrophenol-d4	14.60	143	13317	3.83	ng/ul	0.00
57) Fluorene-d10	15.38	176	76510	5.67	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.51	200	5217	2.03	ng/ul	0.00
70) Anthracene-d10	17.24	188	103373	5.97	ng/ul	0.00
76) Pyrene-d10	19.53	212	103342	5.89	ng/ul	0.00
87) Benzo(a)pyrene-d12	23.45	264	93660	5.50	ng/ul	0.00

Target Compounds

						Ovalue
28) Naphthalene	10.60	128	244853	12.30	ng/ul	99
34) 2-Methylnaphthalene	12.22	142	156261	11.08	ng/ul	98
40) 1,1'-Biphenyl	13.23	154	47540	2.85	ng/ul	97
44) Dimethylphthalate	13.85	163	29937	1.93	ng/ul	99
49) Acenaphthene	14.46	153	286167	19.67	ng/ul	99
53) Dibenzofuran	14.80	168	326298	17.26	ng/ul	100
58) Fluorene	15.44	166	344121	20.78	ng/ul	100
64) N-Nitrosodiphenylamine	15.65	169	19757	1.60	ng/ul#	88
69) Phenanthrene	17.19	178	2042654	95.50	ng/ul#	88
71) Anthracene	17.27	178	716413	32.76	ng/ul	99
72) Carbazole	17.54	167	246285	11.67	ng/ul	98
74) Fluoranthene	19.20	202	2252723	94.75	ng/ul#	90
77) Pyrene	19.56	202	1958469	81.72	ng/ul#	91
80) Benzo(a)anthracene	21.30	228	1064045	47.61	ng/ul	96
82) Chrysene	21.35	228	892947	43.02	ng/ul	96
85) Benzo(b)fluoranthene	22.91	252	1192301	52.86	ng/ul	96
86) Benzo(k)fluoranthene	22.91	252	465345	21.41	ng/ul	99
88) Benzo(a)pyrene	23.50	252	858209	39.91	ng/ul	95
89) Indeno(1,2,3-cd)pyrene	25.94	276	519421	20.66	ng/ul#	90
90) Dibenzo(a,h)anthracene	25.94	278	129886	6.20	ng/ul#	74
91) Benzo(a,h,i)perylene	26.65	276	412024	20.05	ng/ul	99

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Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_G
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Quant Title : SVOA CALIBRATION
QLast Update : Wed Apr 01 04:39:57 2015
Response via : Initial Calibration

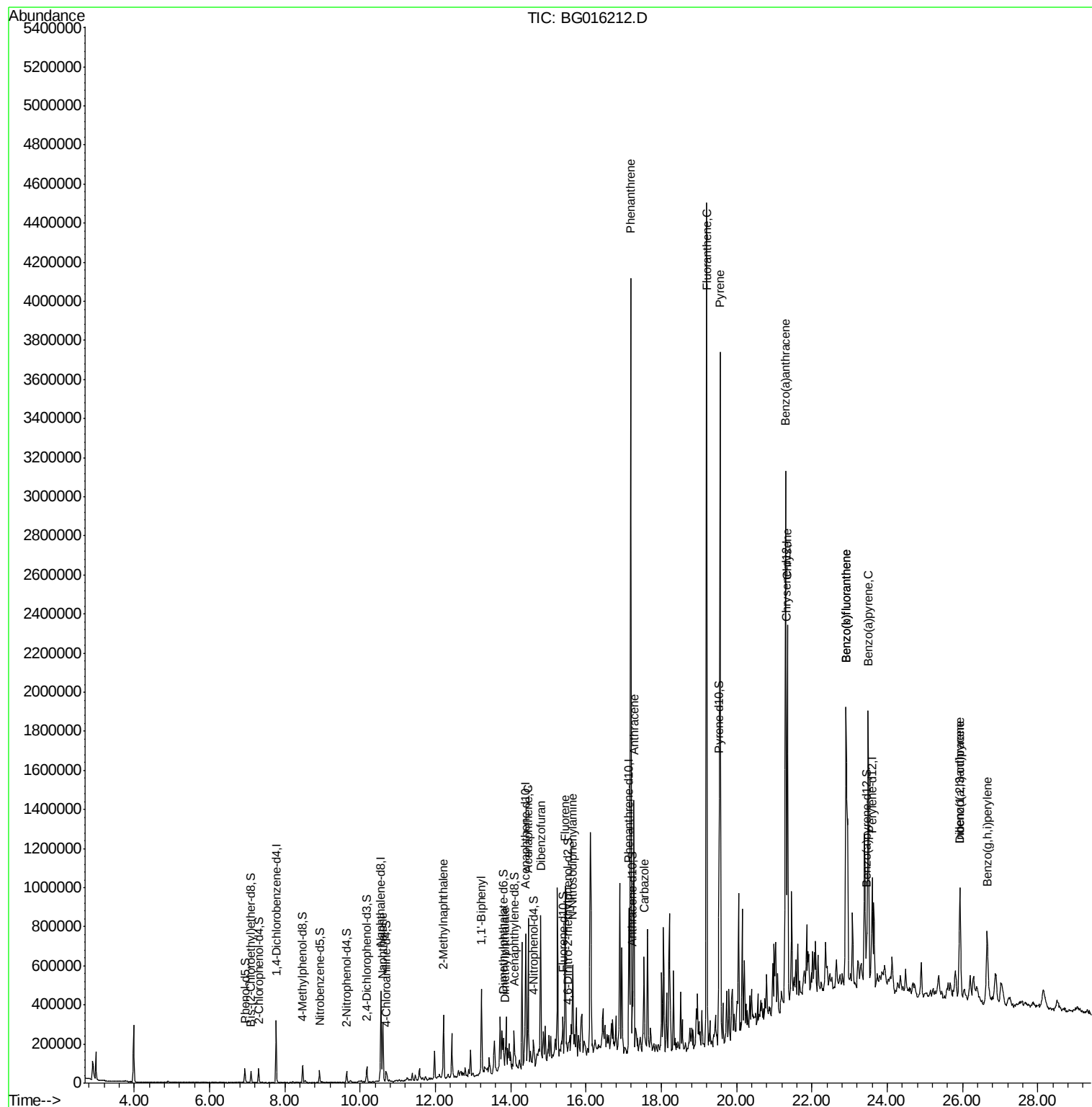
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

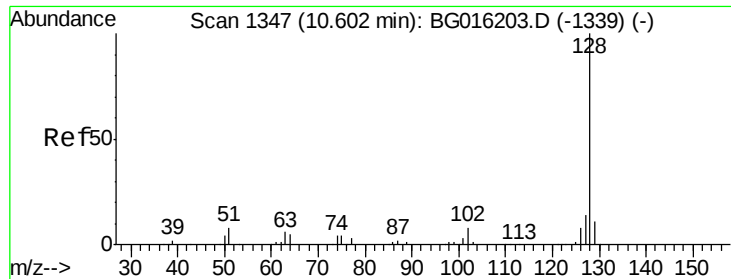
(#)=qualifier out of range (m)=manual integration (+)=signals summed						

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Sample : G1647-07 10X
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Instrument :
BNA_G
ClientSampled :

Quant Time: Apr 01 08:50:31 2015
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Quant Title : SVOA CALIBRATION
QLast Update : Wed Apr 01 04:39:57 2015
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#28

Naphthalene

Concen: 12.30 ng/ul

RT: 10.60 min Scan# 1347

Delta R.T. -0.00 min

Lab File: BG016212.D

Acq: 31 Mar 2015 22:22

Instrument :

BNA_G

ClientSampleId :

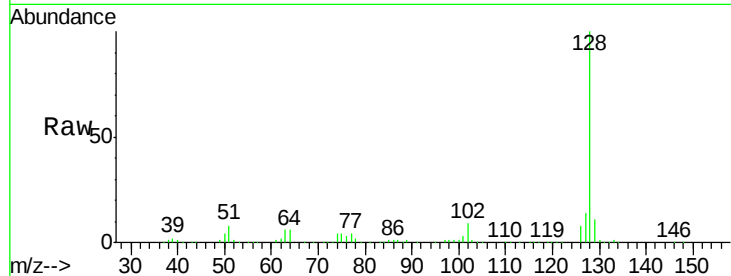
Tot Ion:128 Resp: 244853

Ion Ratio Lower Upper

128 100

129 11.1 9.2 13.8

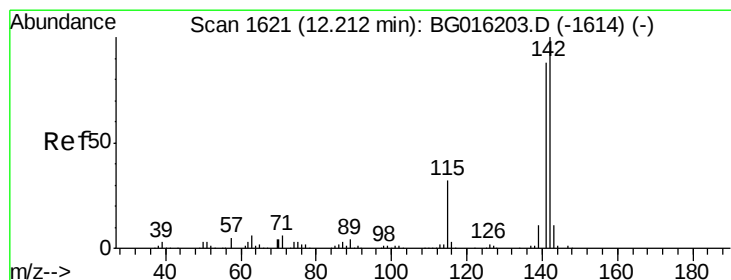
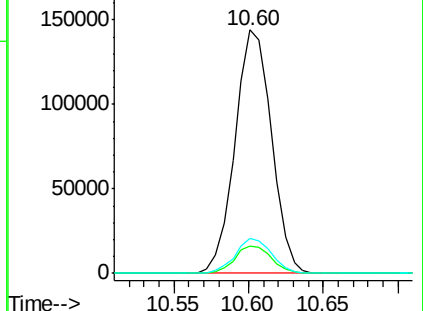
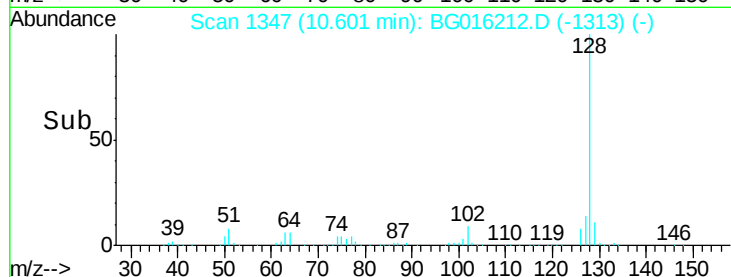
127 14.3 11.4 17.0



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#34

2-Methylnaphthalene

Concen: 11.08 ng/ul

RT: 12.22 min Scan# 1622

Delta R.T. 0.00 min

Lab File: BG016212.D

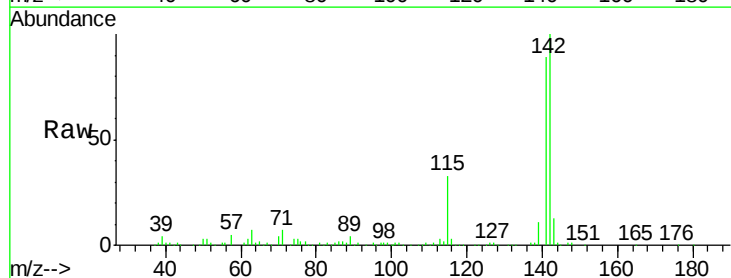
Acq: 31 Mar 2015 22:22

Tgt Ion:142 Resp: 156261

Ion Ratio Lower Upper

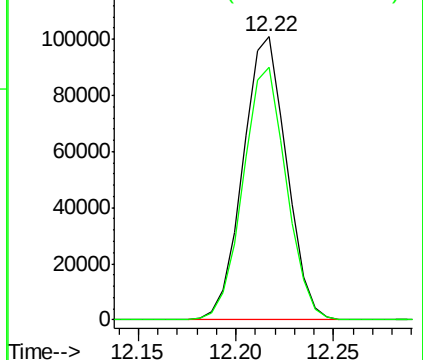
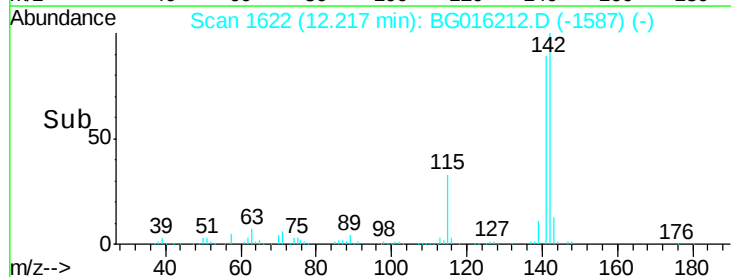
142 100

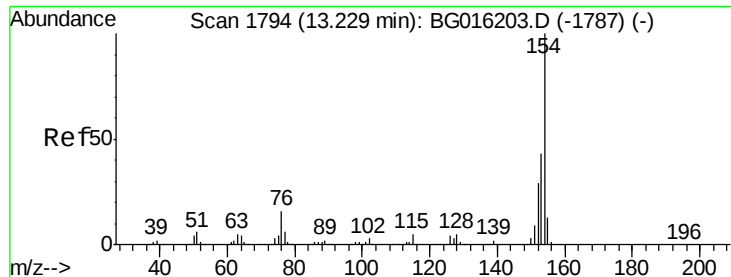
141 89.1 69.7 104.5



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

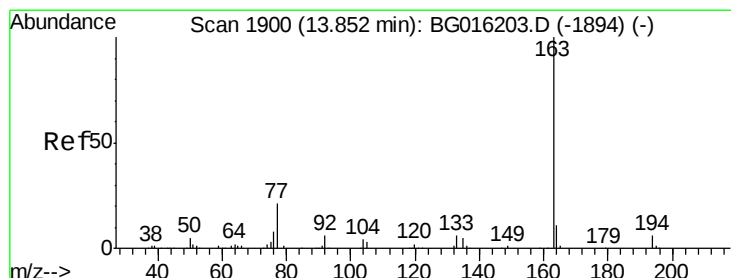
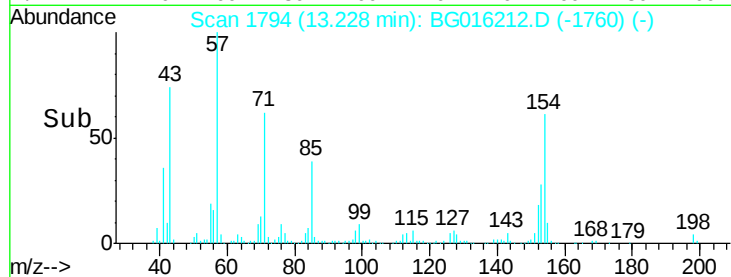
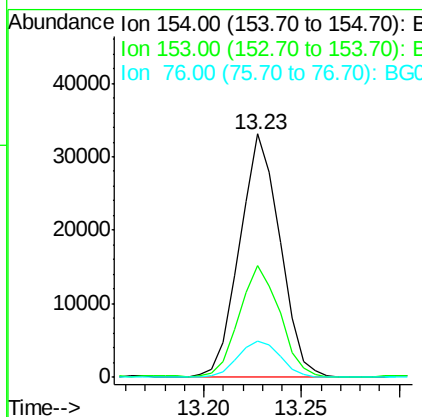
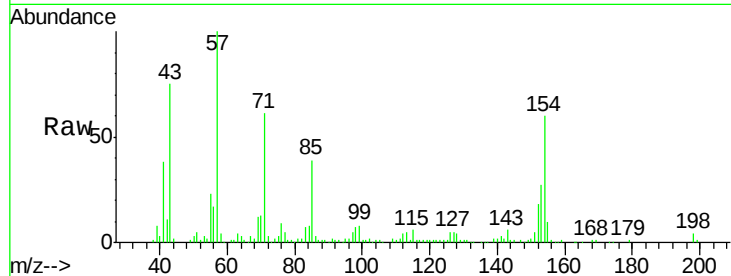




#40
 1,1'-Biphenyl
 Concen: 2.85 ng/ul
 RT: 13.23 min Scan# 1794
 Delta R.T. -0.00 min
 Lab File: BG016212.D
 Acq: 31 Mar 2015 22:22

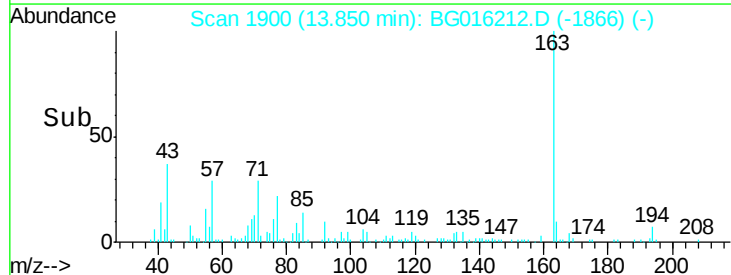
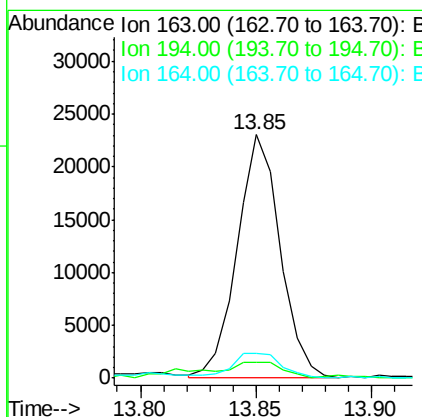
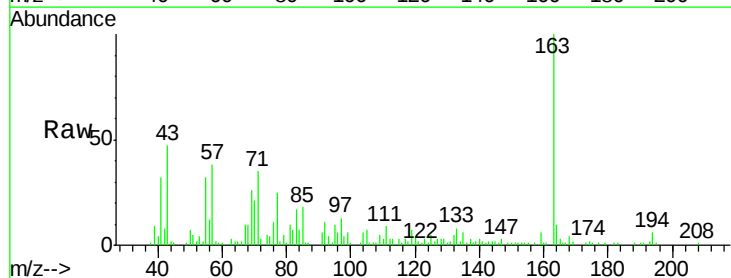
Instrument :
 BNA_G
 ClientSampled :

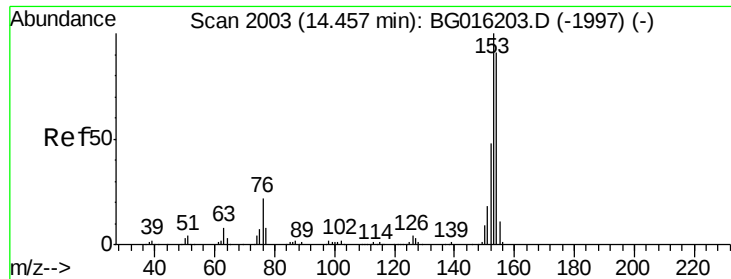
Tot Ion	154	Resp	47540
Ion Ratio	100		
Lower	34.5		
Upper	51.7		
153	45.7		
76	14.7		



#44
 Dimethylphthalate
 Concen: 1.93 ng/ul
 RT: 13.85 min Scan# 1900
 Delta R.T. -0.00 min
 Lab File: BG016212.D
 Acq: 31 Mar 2015 22:22

Tgt Ion	163	Resp	29937
Ion Ratio	100		
Lower	4.8		
Upper	7.2		
194	6.4		
164	10.3		





#49

Acenaphthene

Concen: 19.67 ng/ul

RT: 14.46 min Scan# 2004

Delta R.T. 0.00 min

Lab File: BG016212.D

Acq: 31 Mar 2015 22:22

Instrument :

BNA_G

ClientSampleId :

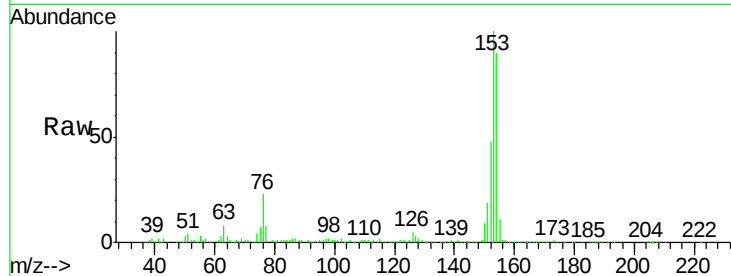
Tot Ion:153 Resp: 286167

Ion Ratio Lower Upper

153 100

152 48.4 39.0 58.4

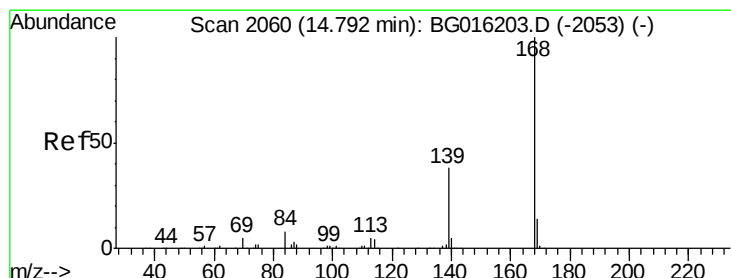
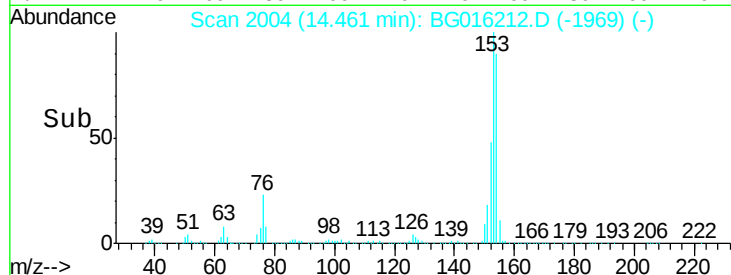
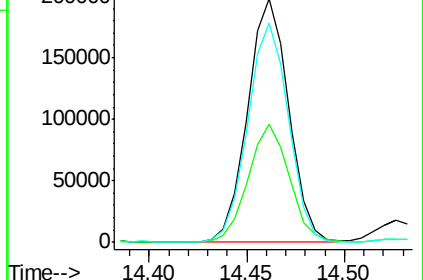
154 89.9 72.5 108.7



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



#53

Dibenzofuran

Concen: 17.26 ng/ul

RT: 14.80 min Scan# 2061

Delta R.T. 0.00 min

Lab File: BG016212.D

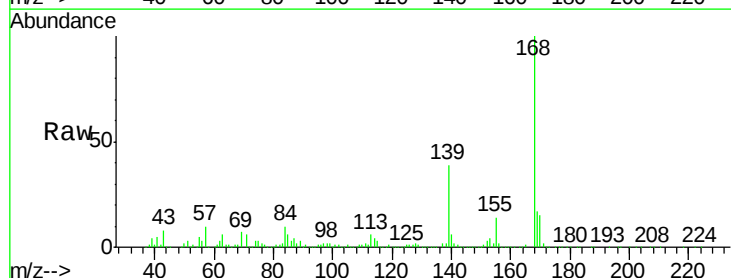
Acq: 31 Mar 2015 22:22

Tgt Ion:168 Resp: 326298

Ion Ratio Lower Upper

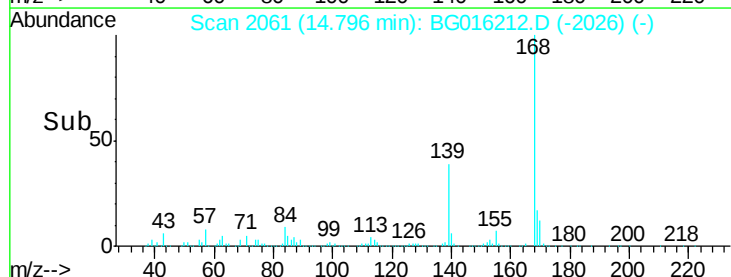
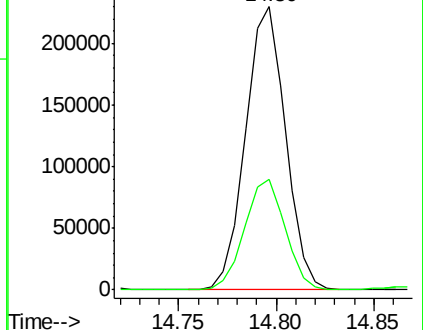
168 100

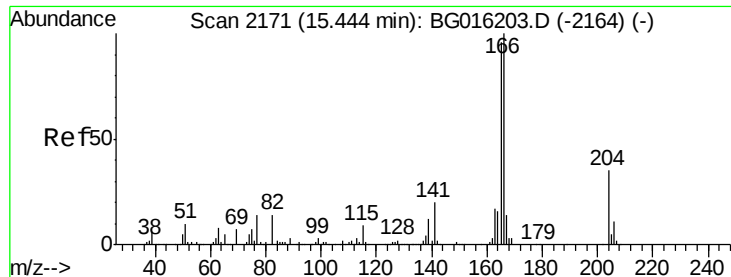
139 39.2 31.4 47.0



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E





#58

Fluorene

Concen: 20.78 ng/ul

RT: 15.44 min Scan# 2171

Delta R.T. -0.00 min

Lab File: BG016212.D

Acq: 31 Mar 2015 22:22

Instrument :

BNA_G

ClientSampleId :

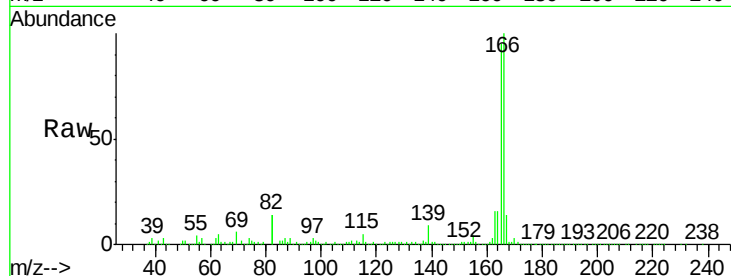
Tot Ion:166 Resp: 344121

Ion Ratio Lower Upper

166 100

165 94.7 75.6 113.4

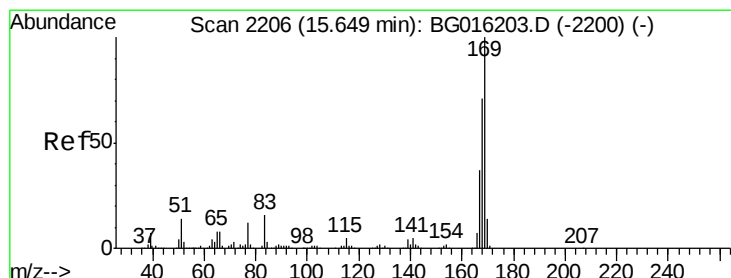
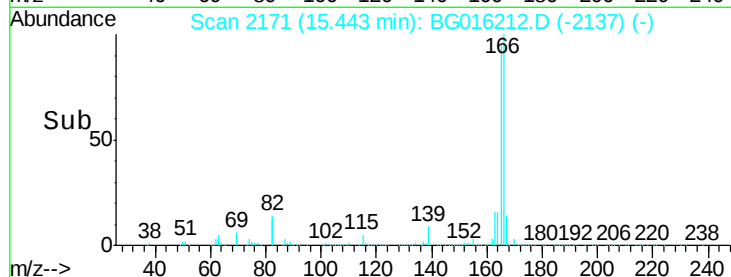
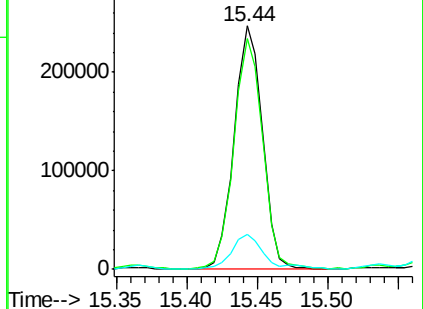
167 14.2 10.7 16.1



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

N-Nitrosodiphenylamine

Concen: 1.60 ng/ul

RT: 15.65 min Scan# 2207

Delta R.T. 0.00 min

Lab File: BG016212.D

Acq: 31 Mar 2015 22:22

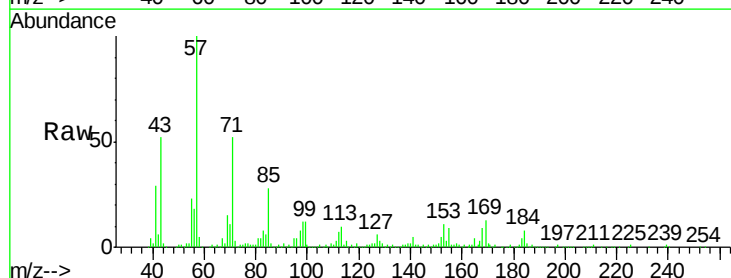
Tgt Ion:169 Resp: 19757

Ion Ratio Lower Upper

169 100

168 64.5 57.0 85.4

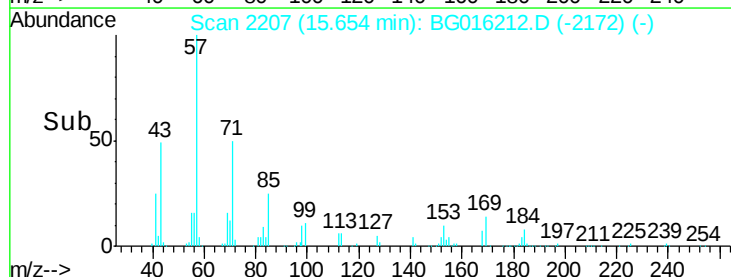
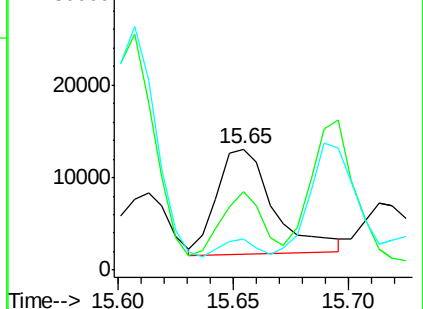
167 25.7 30.2 45.2#

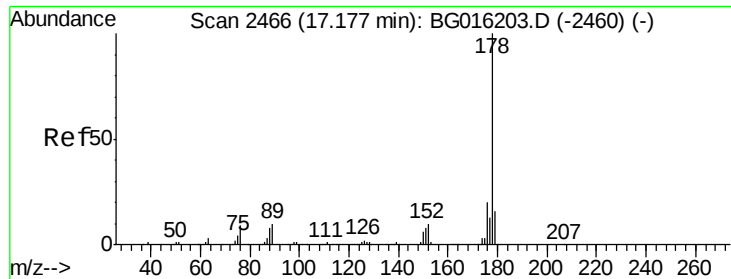


Abundance Ion 169.00 (168.70 to 169.70): E

Ion 168.00 (167.70 to 168.70): E

Ion 167.00 (166.70 to 167.70): E





#69

Phenanthrene

Concen: 95.50 ng/ul

RT: 17.19 min Scan# 2468

Delta R.T. 0.01 min

Lab File: BG016212.D

Acq: 31 Mar 2015 22:22

Instrument :

BNA_G

ClientSampleId :

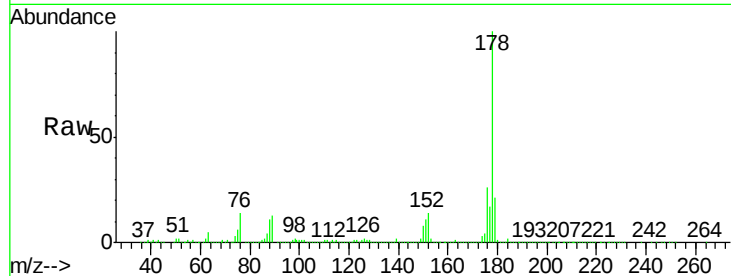
Tot Ion:178 Resp: 2042654

Ion Ratio Lower Upper

178 100

179 20.7 12.6 19.0#

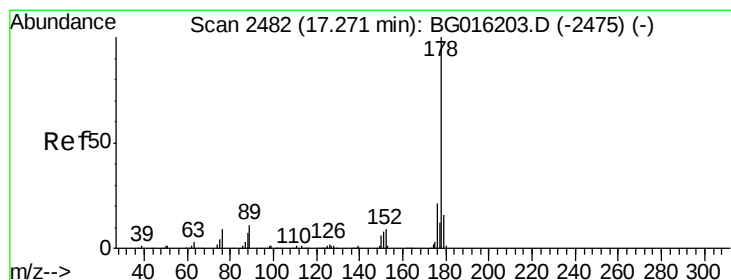
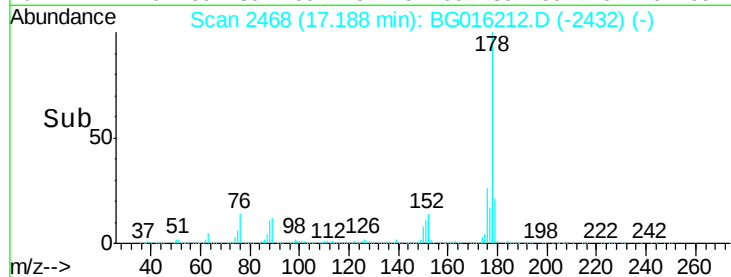
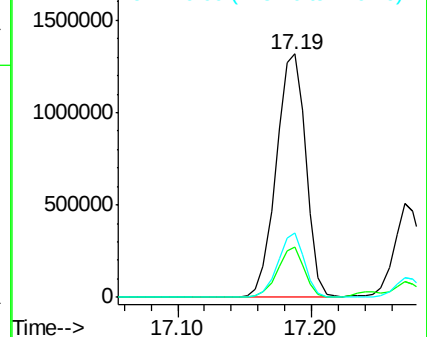
176 26.4 16.6 24.8#



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



#71

Anthracene

Concen: 32.76 ng/ul

RT: 17.27 min Scan# 2482

Delta R.T. -0.00 min

Lab File: BG016212.D

Acq: 31 Mar 2015 22:22

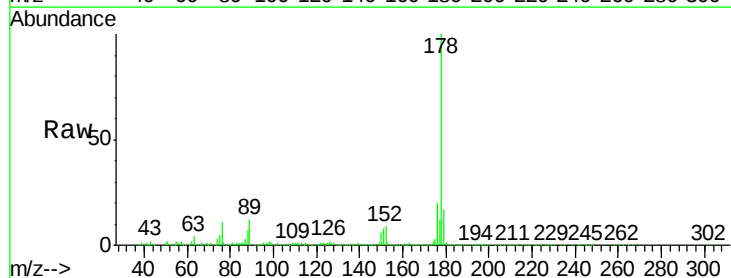
Tgt Ion:178 Resp: 716413

Ion Ratio Lower Upper

178 100

179 16.5 13.0 19.4

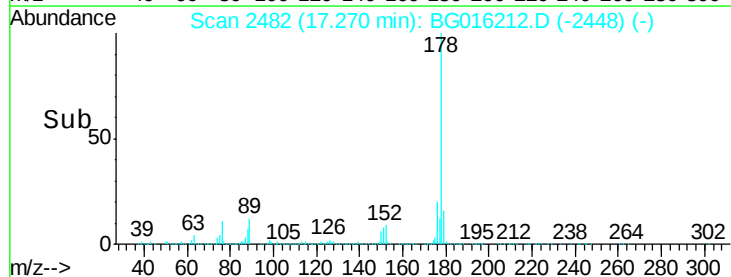
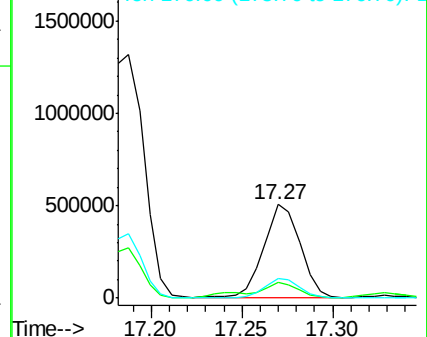
176 20.4 15.9 23.9

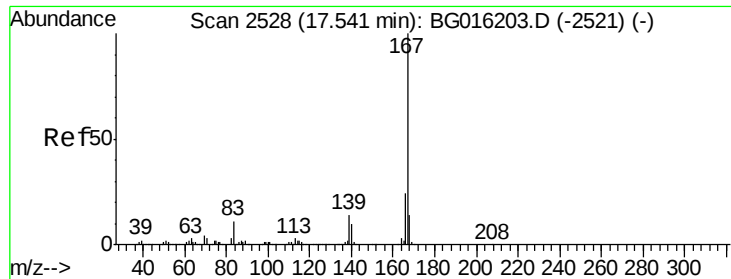


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E

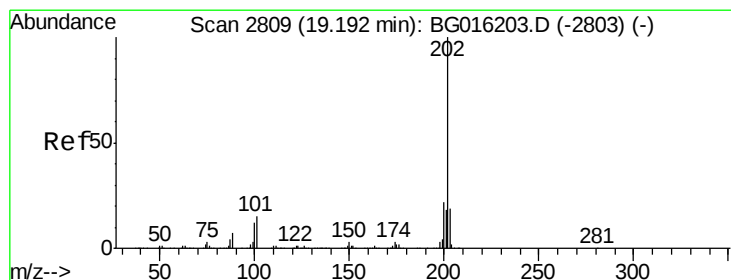
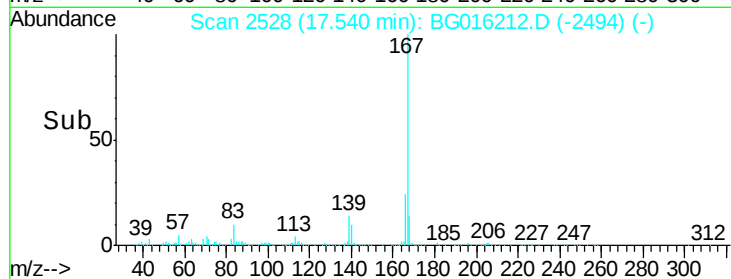
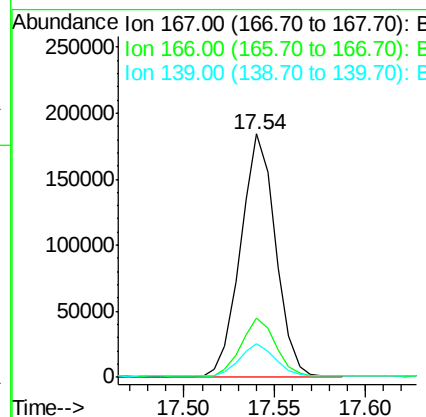
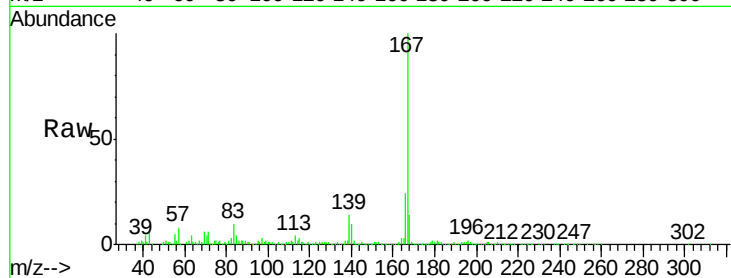




#72
 Carbazole
 Concen: 11.67 ng/ul
 RT: 17.54 min Scan# 2528
 Delta R.T. -0.00 min
 Lab File: BG016212.D
 Acq: 31 Mar 2015 22:22

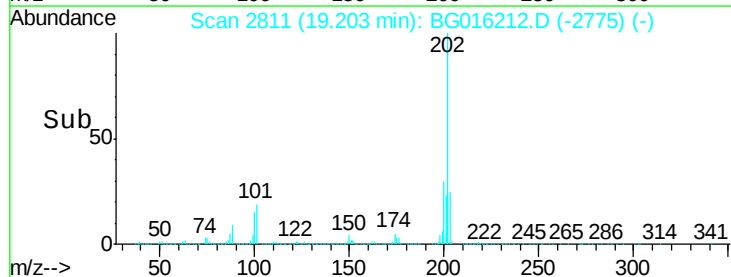
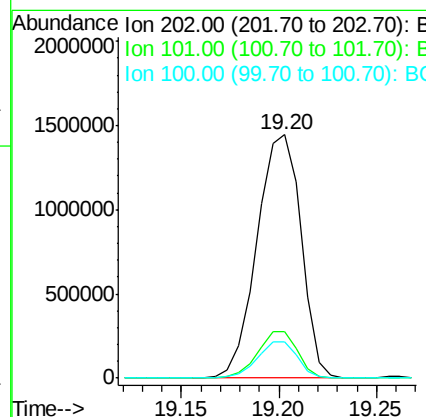
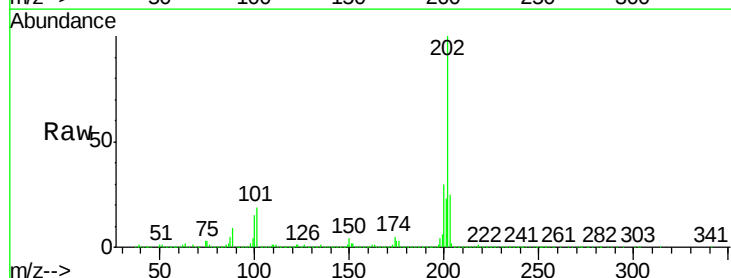
Instrument :
 BNA_G
 ClientSampleId :

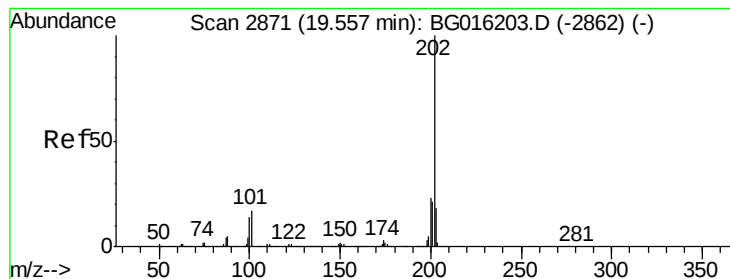
Tot Ion	Ratio	Lower	Upper
167	100		
166	24.4	18.4	27.6
139	13.9	10.7	16.1



#74
 Fluoranthene
 Concen: 94.75 ng/ul
 RT: 19.20 min Scan# 2811
 Delta R.T. 0.01 min
 Lab File: BG016212.D
 Acq: 31 Mar 2015 22:22

Tgt Ion	Ratio	Lower	Upper
202	100		
101	19.1	11.8	17.8#
100	15.0	9.4	14.0#





#77

Pvrene

Concen: 81.72 ng/ul

RT: 19.56 min Scan# 2872

Delta R.T. 0.00 min

Lab File: BG016212.D

Acq: 31 Mar 2015 22:22

Instrument :

BNA_G

ClientSampleId :

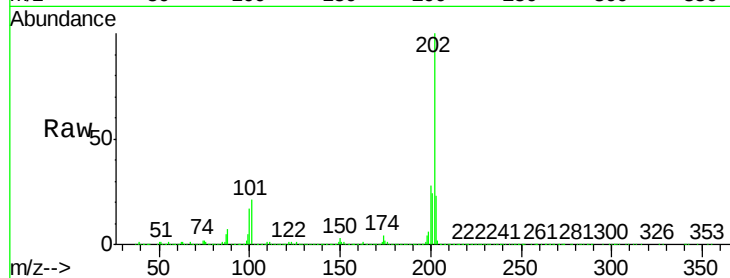
Tot Ion:202 Resp: 1958469

Ion Ratio Lower Upper

202 100

101 20.7 13.4 20.0#

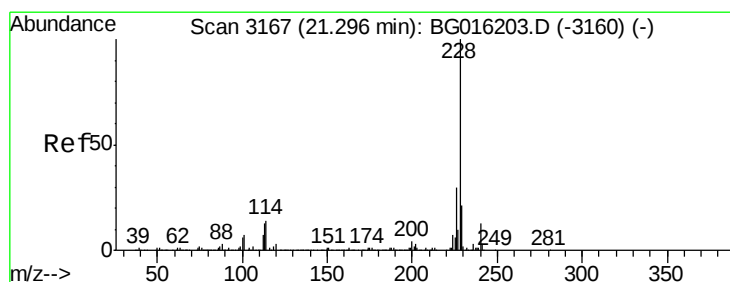
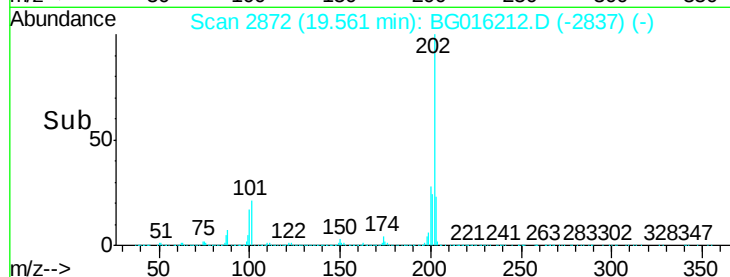
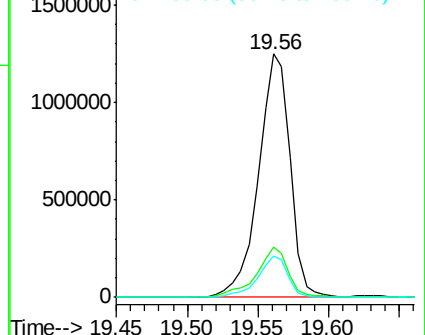
100 17.1 11.1 16.7#



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



#80

Benzo(a)anthracene

Concen: 47.61 ng/ul

RT: 21.30 min Scan# 3168

Delta R.T. 0.00 min

Lab File: BG016212.D

Acq: 31 Mar 2015 22:22

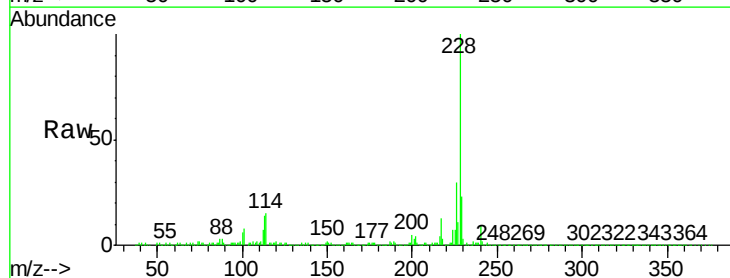
Tgt Ion:228 Resp: 1064045

Ion Ratio Lower Upper

228 100

229 22.9 16.5 24.7

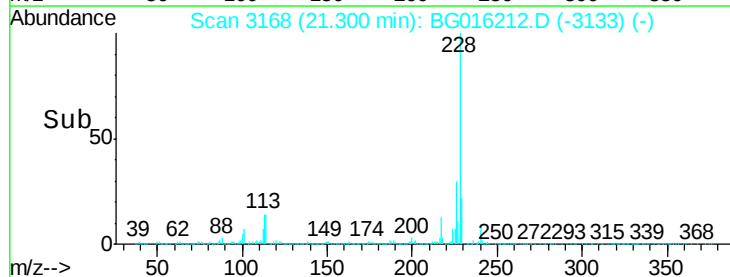
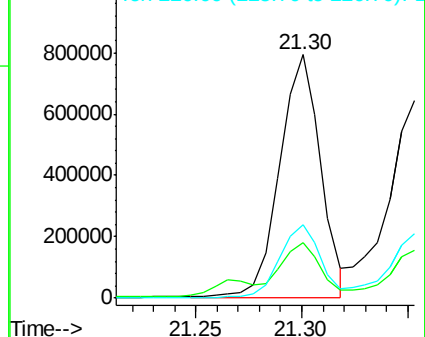
226 30.3 23.0 34.4

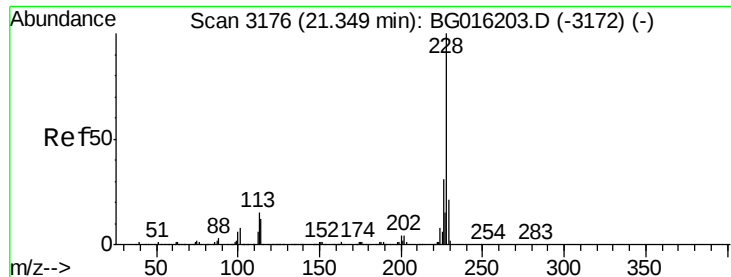


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E





#82

Chrysene

Concen: 43.02 ng/ul

RT: 21.35 min Scan# 3177

Delta R.T. 0.00 min

Lab File: BG016212.D

Acq: 31 Mar 2015 22:22

Instrument :

BNA_G

ClientSampleId :

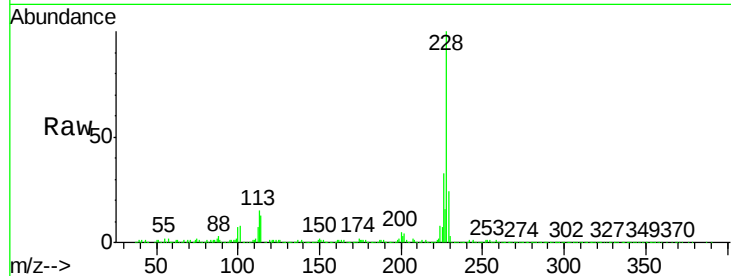
Tot Ion:228 Resp: 892947

Ion Ratio Lower Upper

228 100

226 32.6 25.4 38.0

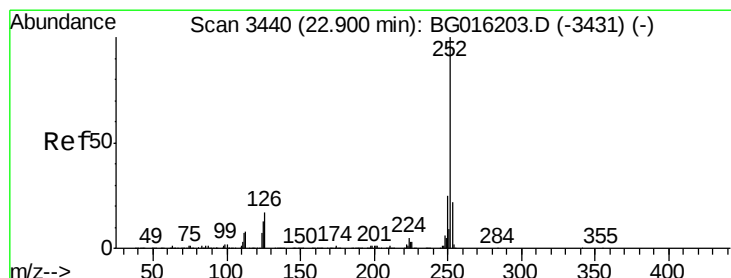
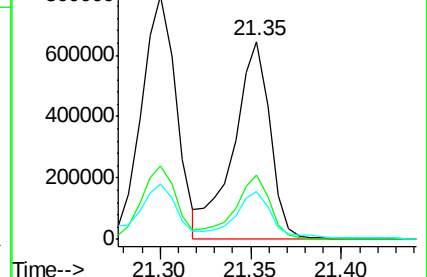
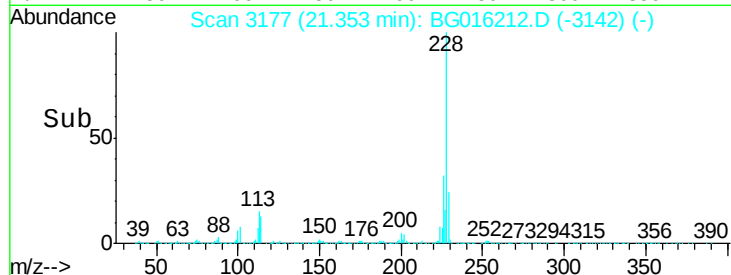
229 24.3 16.5 24.7



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#85

Benzo(b)fluoranthene

Concen: 52.86 ng/ul

RT: 22.91 min Scan# 3442

Delta R.T. 0.01 min

Lab File: BG016212.D

Acq: 31 Mar 2015 22:22

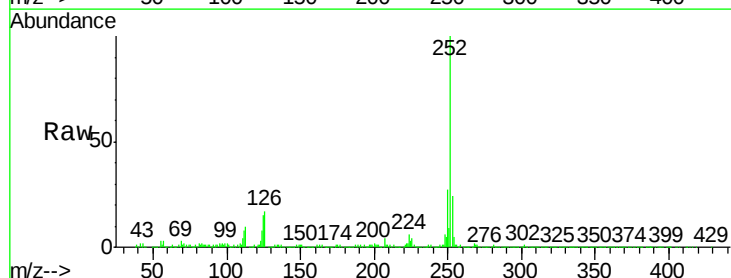
Tgt Ion:252 Resp: 1192301

Ion Ratio Lower Upper

252 100

253 23.9 17.8 26.6

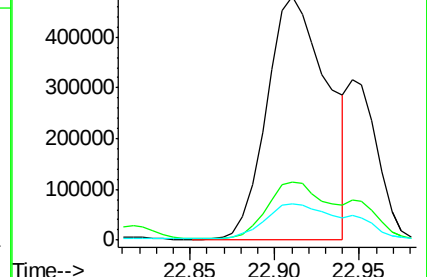
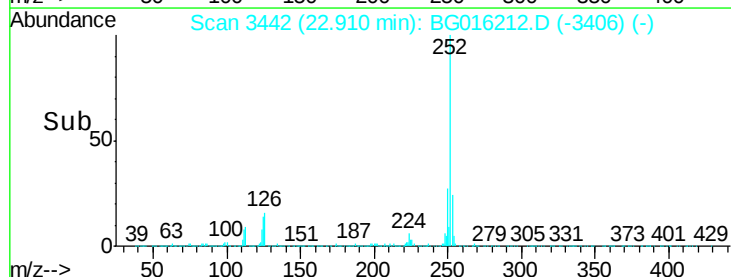
125 15.0 10.6 15.8

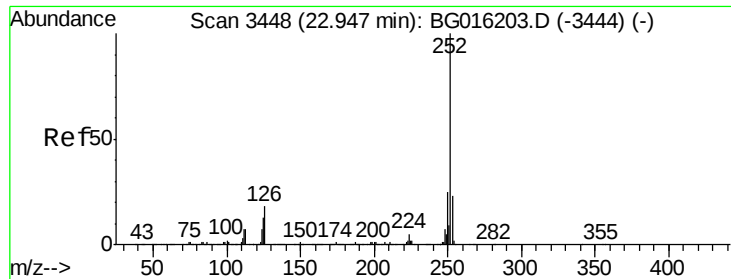


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

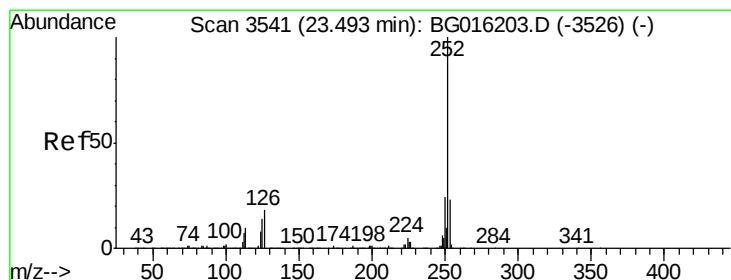
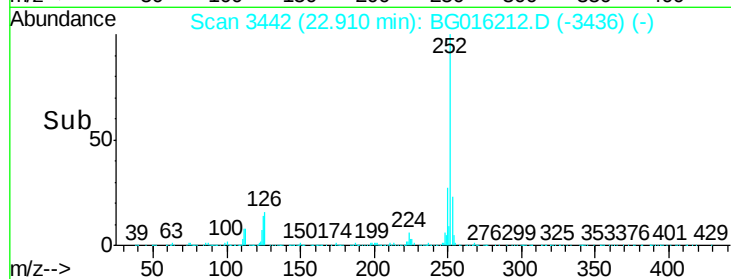
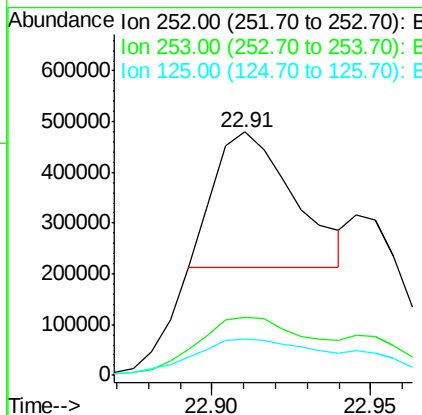
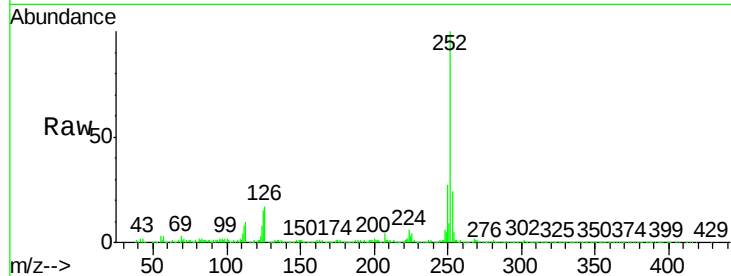




#86
Benzo(k)fluoranthene
Concen: 21.41 ng/ul
RT: 22.91 min Scan# 3442
Delta R.T. -0.04 min
Lab File: BG016212.D
Acq: 31 Mar 2015 22:22

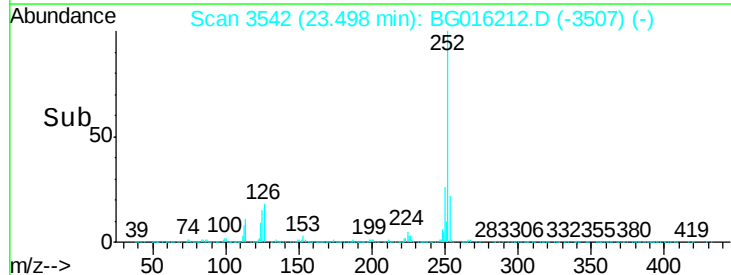
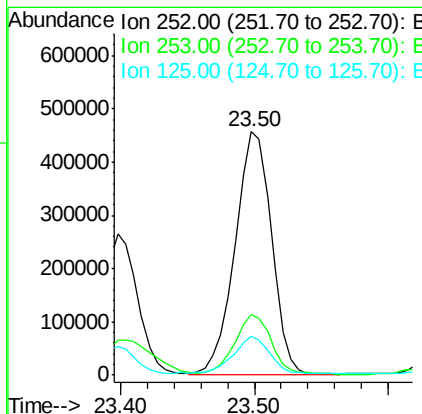
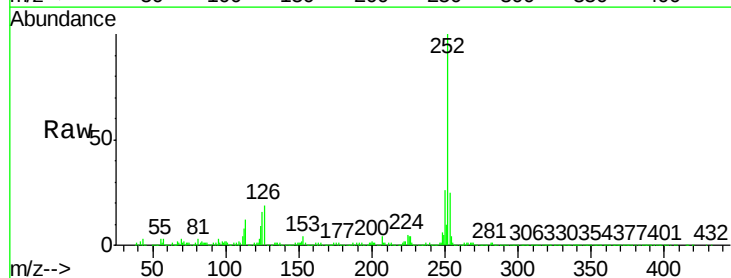
Instrument :
BNA_G
ClientSampleId :

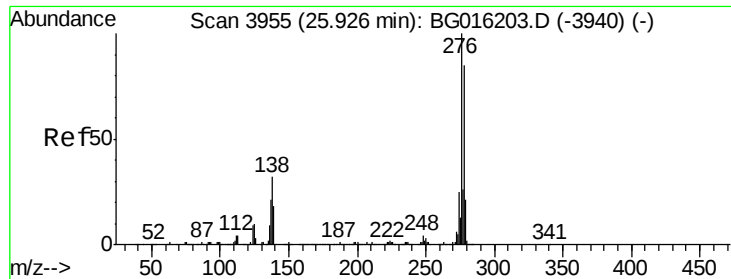
Tot Ion:252 Resp: 465345
Ion Ratio Lower Upper
252 100
253 23.9 18.6 28.0
125 15.0 11.8 17.6



#88
Benzo(a)pyrene
Concen: 39.91 ng/ul
RT: 23.50 min Scan# 3542
Delta R.T. 0.00 min
Lab File: BG016212.D
Acq: 31 Mar 2015 22:22

Tgt Ion:252 Resp: 858209
Ion Ratio Lower Upper
252 100
253 25.1 17.7 26.5
125 16.1 12.1 18.1





#89

Indeno(1,2,3-cd)pyrene

Concen: 20.66 ng/ul

RT: 25.94 min Scan# 3957

Delta R.T. 0.01 min

Lab File: BG016212.D

Acq: 31 Mar 2015 22:22

Instrument :

BNA_G

ClientSampleId :

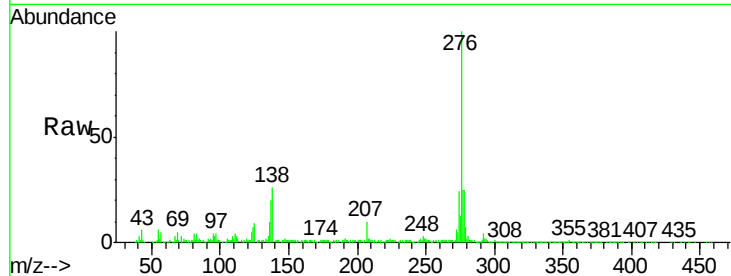
Tot Ion:276 Resp: 519421

Ion Ratio Lower Upper

276 100

138 25.9 27.0 40.6#

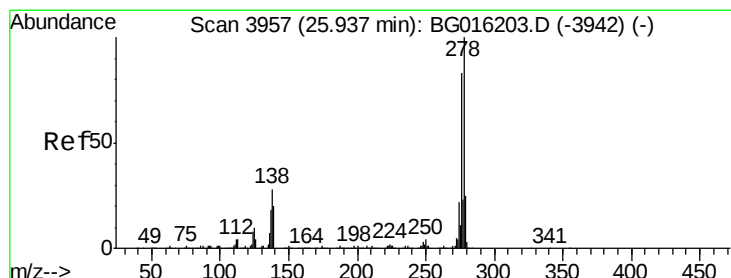
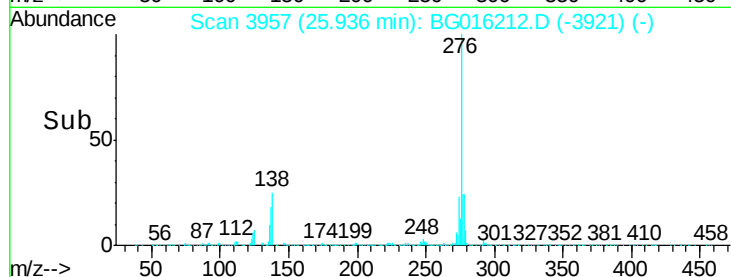
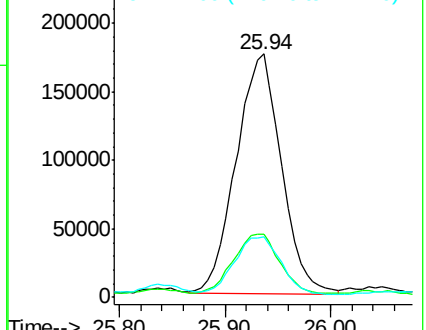
277 25.0 21.8 32.6



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



#90

Dibenzo(a,h)anthracene

Concen: 6.20 ng/ul

RT: 25.94 min Scan# 3957

Delta R.T. -0.00 min

Lab File: BG016212.D

Acq: 31 Mar 2015 22:22

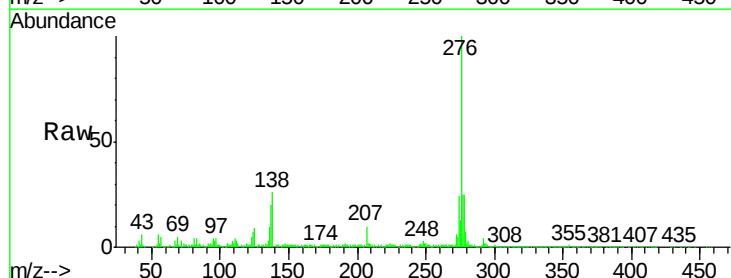
Tgt Ion:278 Resp: 129886

Ion Ratio Lower Upper

278 100

139 0.0 16.5 24.7#

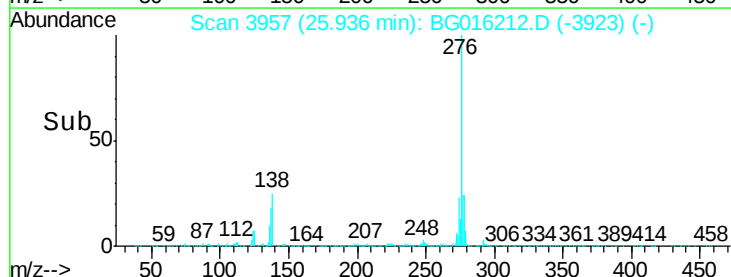
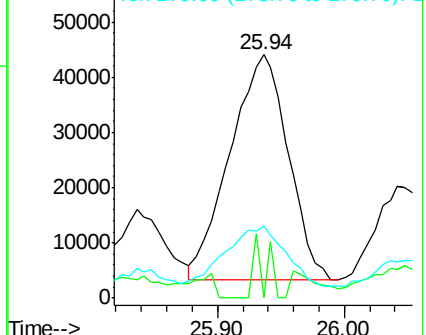
279 29.5 19.3 28.9#

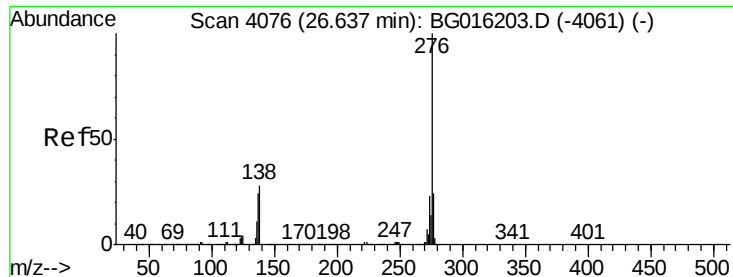


Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#91

Benzo(a,h,i)perylene

Concen: 20.05 ng/ul

RT: 26.65 min Scan# 4079

Delta R.T. 0.02 min

Lab File: BG016212.D

Acq: 31 Mar 2015 22:22

Instrument :

BNA_G

ClientSampleId :

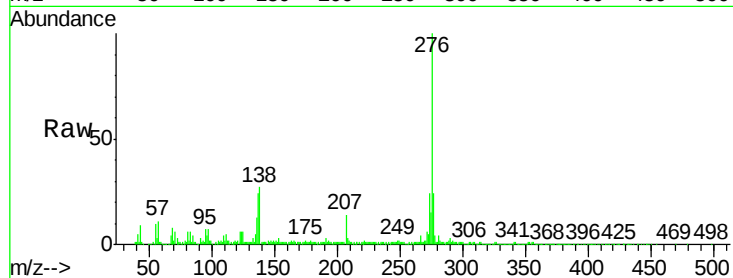
Tot Ion:276 Resp: 412024

Ion Ratio Lower Upper

276 100

138 27.3 21.0 31.6

277 24.5 19.2 28.8



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

