

Data Path : Z:\HPCHEM1\BNA G\DATA\BG111715\
 Data File : BG019678.D
 Acq On : 18 Nov 2015 2:45
 Operator : UM/NP
 Sample : G4427-09
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Nov 18 03:53:05 2015
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG111615.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed Nov 18 03:01:13 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.15	152	24728	20.00	ng/ul	0.00
18) Naphthalene-d8	10.98	136	117987	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.78	164	100210	20.00	ng/ul	0.00
62) Phenanthrene-d10	17.53	188	272244	20.00	ng/ul	0.00
78) Chrysene-d12	21.80	240	338651	20.00	ng/ul	0.00
86) Perylene-d12	25.12	264	327542	20.00	ng/ul	0.01

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.45	96	1691	2.92	ng/uL	0.00
5) Phenol-d5	7.29	99	48158	19.01	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.46	67	31054	18.71	ng/ul	0.00
9) 2-Chlorophenol-d4	7.67	132	29822	18.36	ng/ul	0.00
13) 4-Methylphenol-d8	8.85	113	39297	18.74	ng/ul	0.00
19) Nitrobenzene-d5	9.32	128	16453	16.98	ng/ul	0.00
22) 2-Nitrophenol-d4	10.05	143	18684	17.14	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.59	165	41668	17.67	ng/ul	0.00
29) 4-Chloroaniline-d4	11.11	131	38156	17.05	ng/ul	0.00
44) Dimethylphthalate-d6	14.18	166	160797	17.74	ng/ul	0.00
47) Acenaphthylene-d8	14.48	160	161409	16.43	ng/ul	0.00
52) 4-Nitrophenol-d4	14.96	143	19318	13.53	ng/ul	0.00
58) Fluorene-d10	15.77	176	137218	16.92	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.88	200	20453	11.63	ng/ul	0.00
71) Anthracene-d10	17.62	188	229178	17.34	ng/ul	0.00
79) Pyrene-d10	19.90	212	258229	16.74	ng/ul	0.00
90) Benzo(a)pyrene-d12	24.89	264	293646	17.17	ng/ul	0.00

Target Compounds

					Ovalue
6) Phenol	7.32	94	2816	1.03 ng/ul	92
28) Naphthalene	11.03	128	13379	2.10 ng/ul	97
45) Dimethylphthalate	14.22	163	98500	10.96 ng/ul	100
50) Acenaphthene	14.85	153	21594	3.22 ng/ul	95
54) Dibenzofuran	15.18	168	33250	3.38 ng/ul	98
59) Fluorene	15.82	166	28306	3.29 ng/ul	95
70) Phenanthrene	17.57	178	857221	58.83 ng/ul	99
72) Anthracene	17.66	178	190202	12.95 ng/ul	98
75) Carbazole	17.92	167	70346	5.96 ng/ul	98
77) Fluoranthene	19.57	202	1339022	72.11 ng/ul#	96
80) Pyrene	19.93	202	1091979	55.21 ng/ul	99
81) Butylbenzylphthalate	20.80	149	1087915	167.18 ng/ul	97
83) Benzo(a)anthracene	21.77	228	650268	31.68 ng/ul	99
84) Bis(2-ethylhexyl)phthalate	21.66	149	51765	5.43 ng/ul#	96
85) Chrysene	21.84	228	575660	29.79 ng/ul	97
88) Benzo(b)fluoranthene	24.06	252	692219	34.30 ng/ul	99
89) Benzo(k)fluoranthene	24.12	252	204321	10.49 ng/ul	98
91) Benzo(a)pyrene	24.96	252	474610	24.43 ng/ul	97
92) Indeno(1,2,3-cd)pyrene	28.92	276	321565	14.79 ng/ul#	92
93) Dibenz(a,h)anthracene	28.95	278	85623	4.79 ng/ul#	90
94) Benzo(a,h,i)perylene	30.10	276	288844	16.01 ng/ul	97

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Response via : Initial Calibration

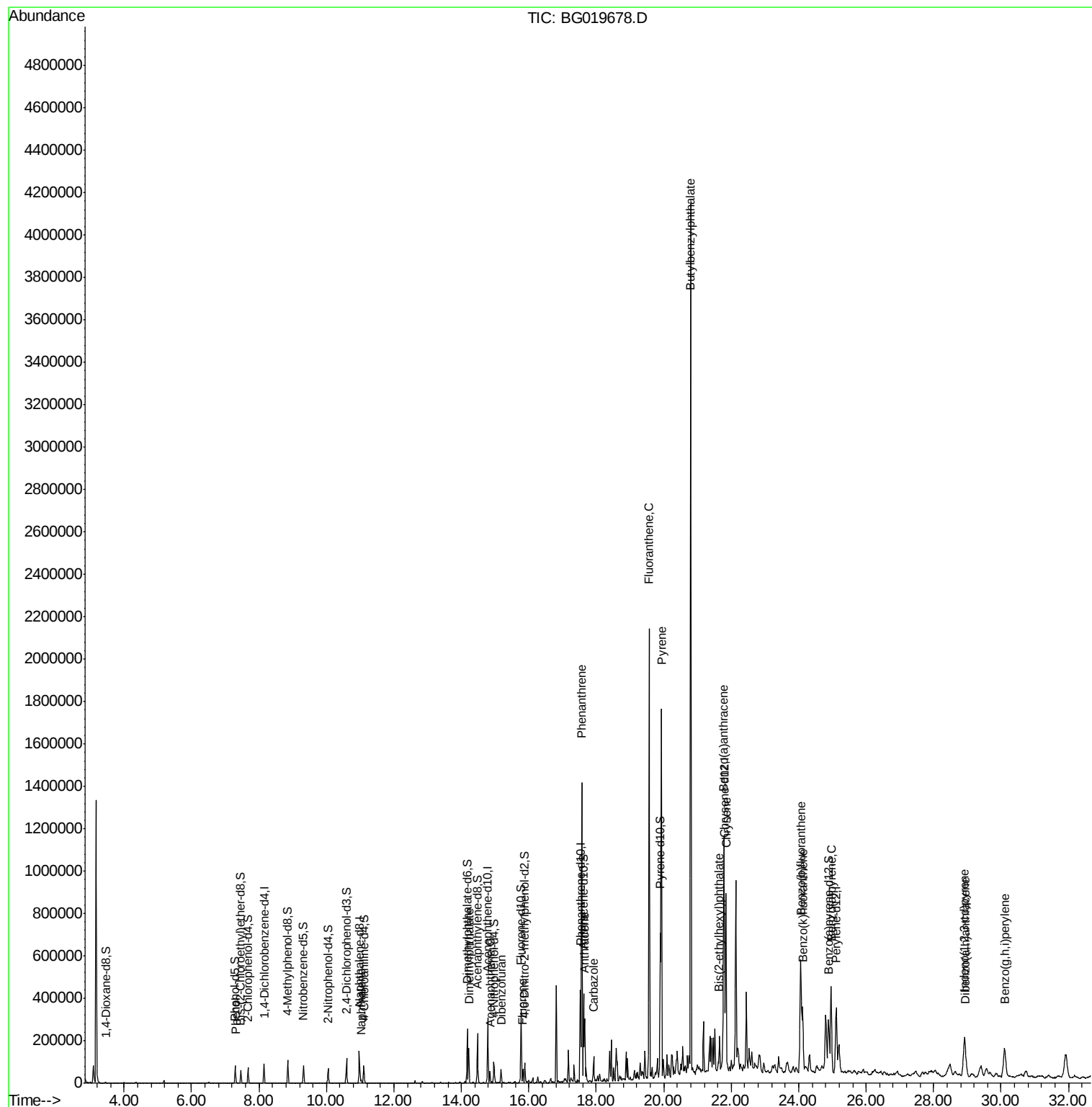
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

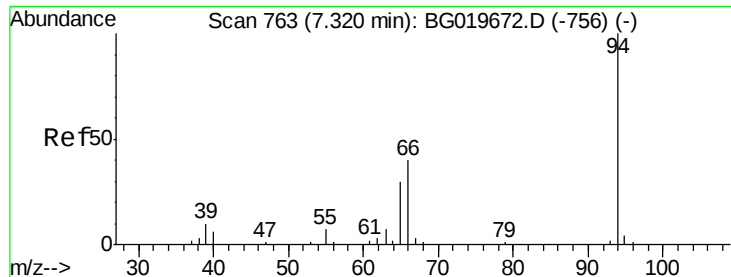
(#)= qualifier out of range (m)= manual integration (+)= signals summed						

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#6

Phenol

Concen: 1.03 ng/ul

RT: 7.32 min Scan# 763

Delta R.T. 0.00 min

Lab File: BG019678.D

Acq: 18 Nov 2015 2:45

Instrument :

BNA_G

ClientSampleId :

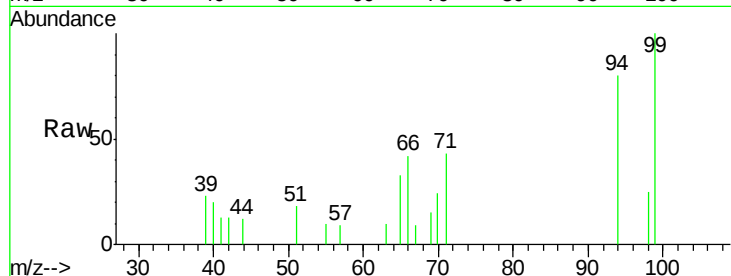
Tot Ion: 94 Resp: 2816

Ion Ratio Lower Upper

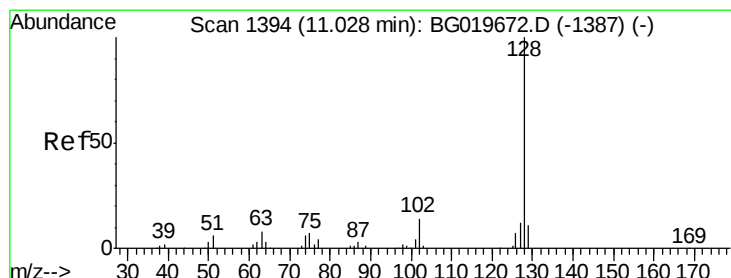
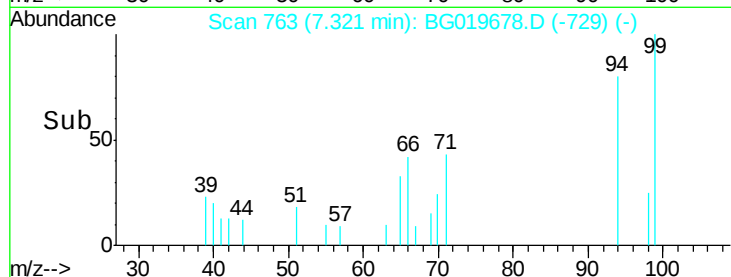
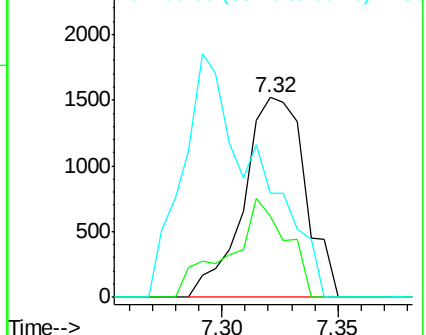
94 100

65 40.9 27.4 41.0

66 52.4 39.0 58.6



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



#28

Naphthalene

Concen: 2.10 ng/ul

RT: 11.03 min Scan# 1394

Delta R.T. 0.00 min

Lab File: BG019678.D

Acq: 18 Nov 2015 2:45

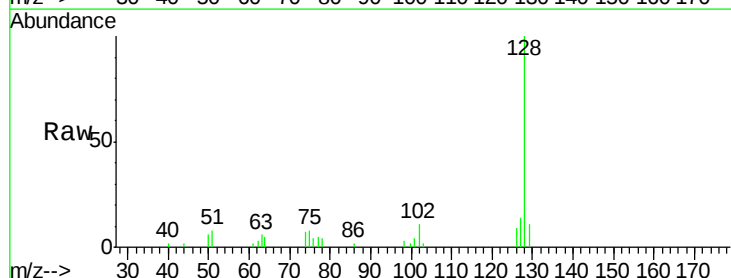
Tgt Ion:128 Resp: 13379

Ion Ratio Lower Upper

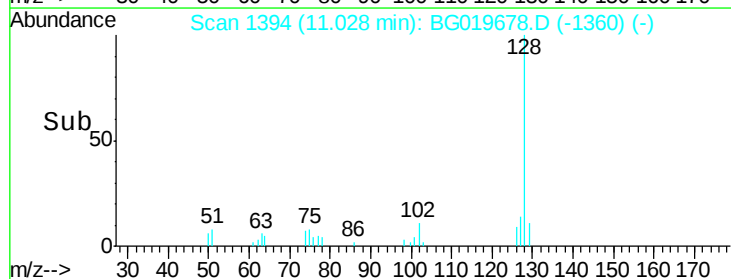
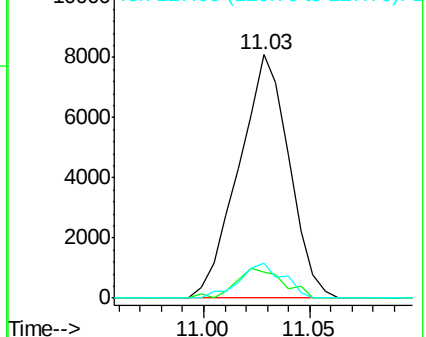
128 100

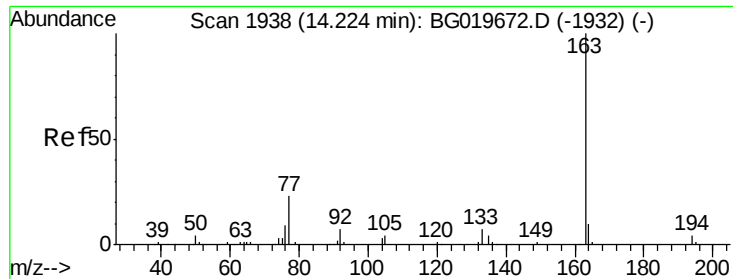
129 10.6 8.1 12.1

127 14.5 10.0 15.0



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





#45

Dimethylphthalate

Concen: 10.96 ng/ul

RT: 14.22 min Scan# 1938

Delta R.T. 0.00 min

Lab File: BG019678.D

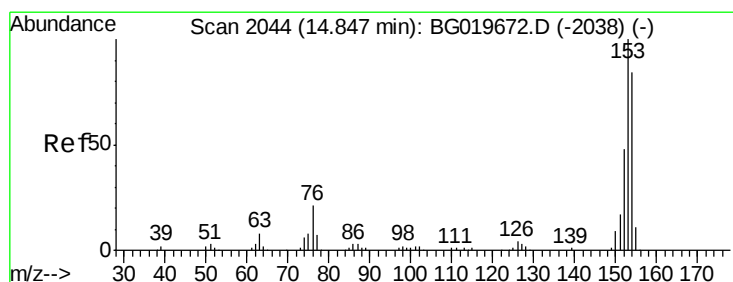
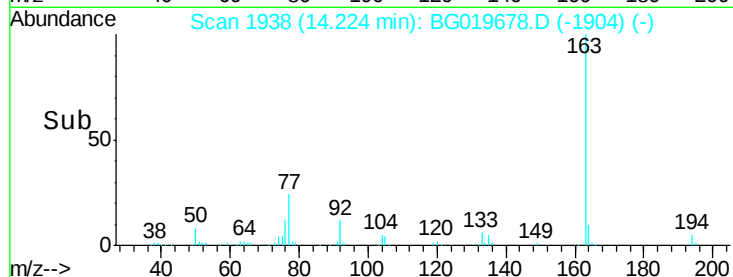
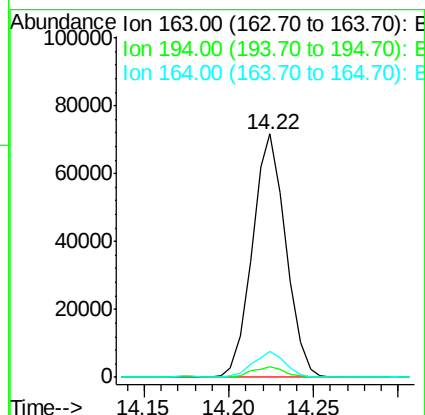
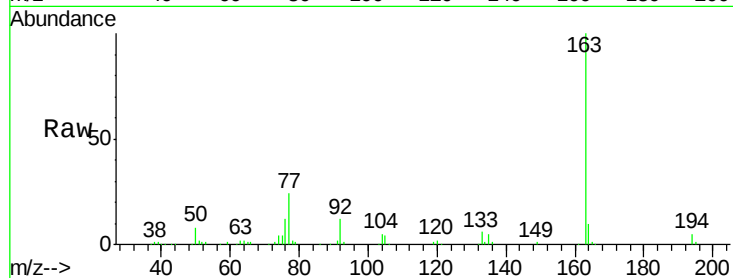
Acq: 18 Nov 2015 2:45

Instrument :

BNA_G

ClientSampleId :

Tot Ion:163	Resp:	98500
Ion Ratio	Lower	Upper
163	100	
194	4.6	3.5 5.3
164	10.4	8.3 12.5



#50

Acenaphthene

Concen: 3.22 ng/ul

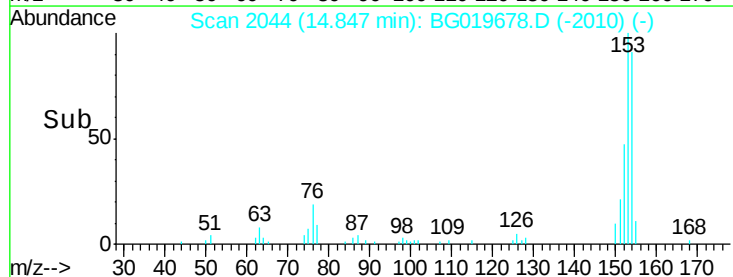
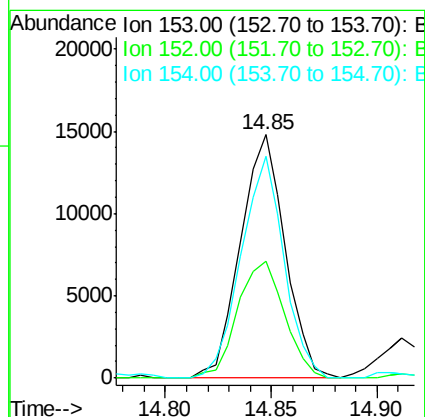
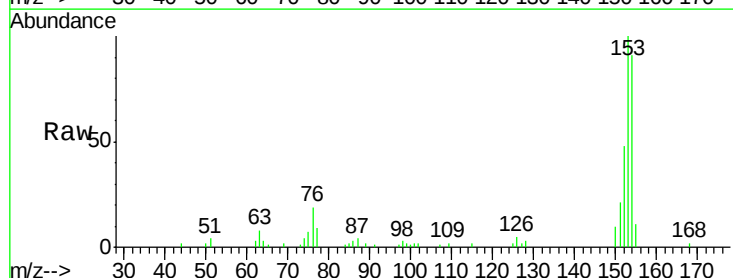
RT: 14.85 min Scan# 2044

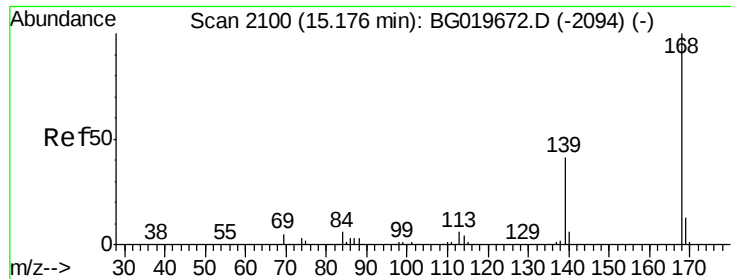
Delta R.T. 0.00 min

Lab File: BG019678.D

Acq: 18 Nov 2015 2:45

Tgt Ion:153	Resp:	21594
Ion Ratio	Lower	Upper
153	100	
152	48.2	40.9 61.3
154	90.9	69.1 103.7

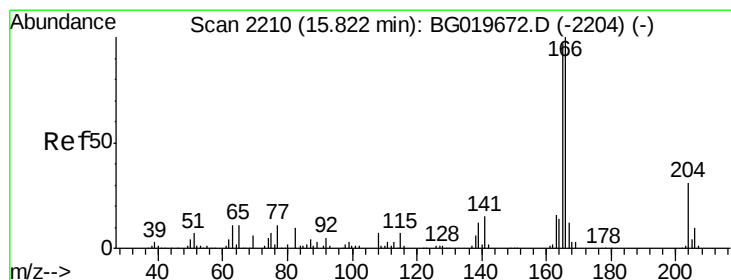
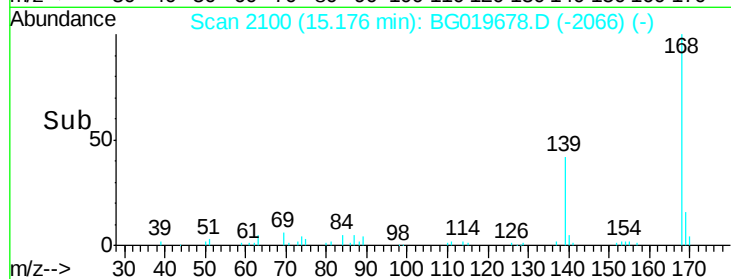
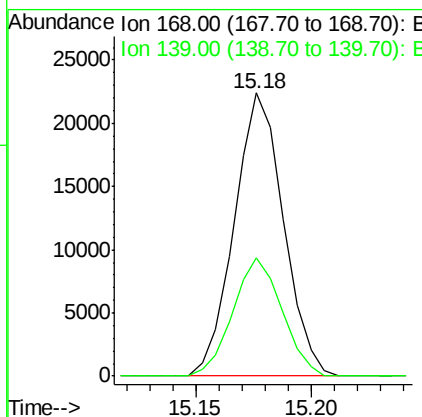
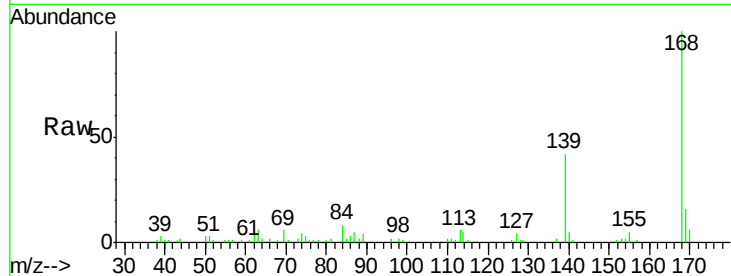




#54
Dibenzenofuran
Concen: 3.38 ng/ul
RT: 15.18 min Scan# 2100
Delta R.T. 0.00 min
Lab File: BG019678.D
Acq: 18 Nov 2015 2:45

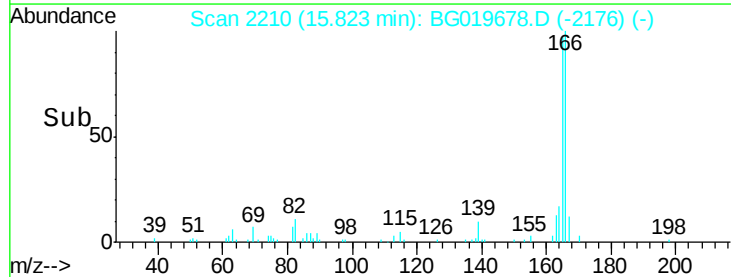
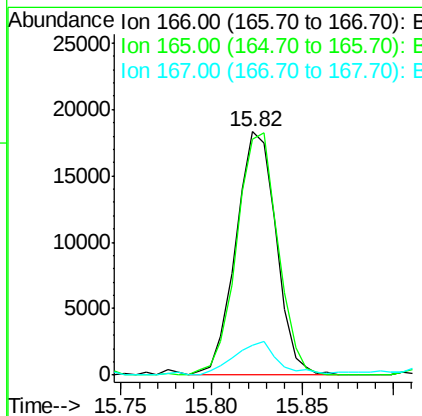
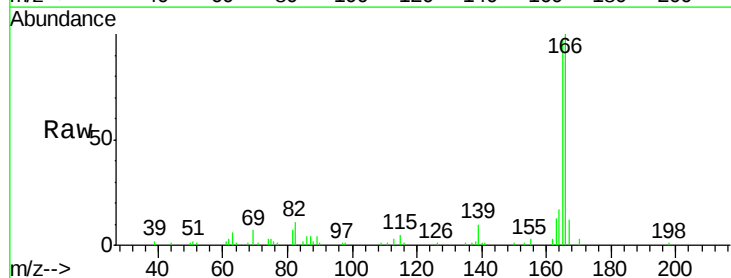
Instrument :
BNA_G
ClientSampled :

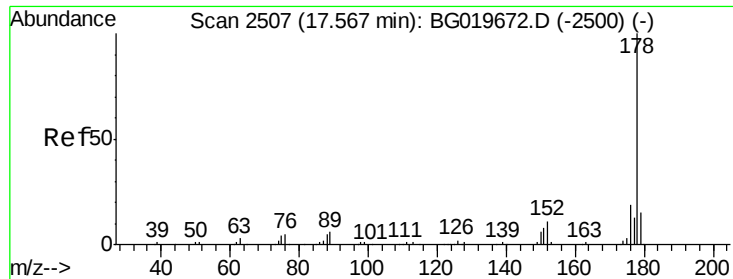
Tot Ion:168 Resp: 33250
Ion Ratio Lower Upper
168 100
139 42.0 34.7 52.1



#59
Fluorene
Concen: 3.29 ng/ul
RT: 15.82 min Scan# 2210
Delta R.T. 0.00 min
Lab File: BG019678.D
Acq: 18 Nov 2015 2:45

Tgt Ion:166 Resp: 28306
Ion Ratio Lower Upper
166 100
165 96.7 81.4 122.2
167 12.3 11.1 16.7

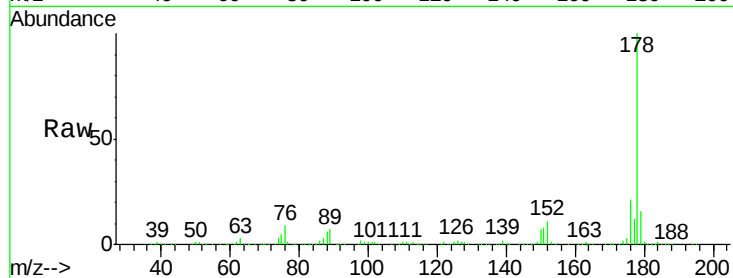




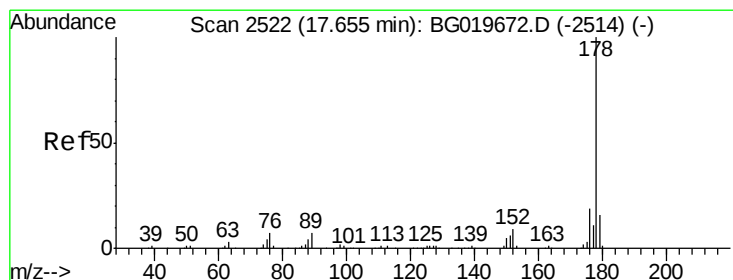
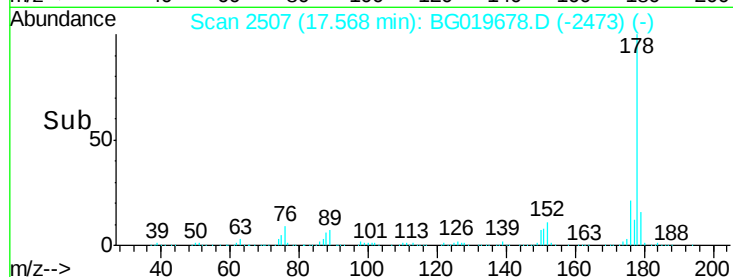
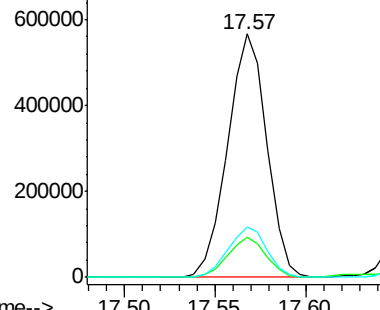
#70
Phenanthrene
Concen: 58.83 ng/ul
RT: 17.57 min Scan# 2507
Delta R.T. 0.00 min
Lab File: BG019678.D
Acq: 18 Nov 2015 2:45

Instrument :
BNA_G
ClientSampleId :

Tot Ion:178 Resp: 857221
Ion Ratio Lower Upper
178 100
179 16.4 12.2 18.2
176 20.6 16.6 24.8

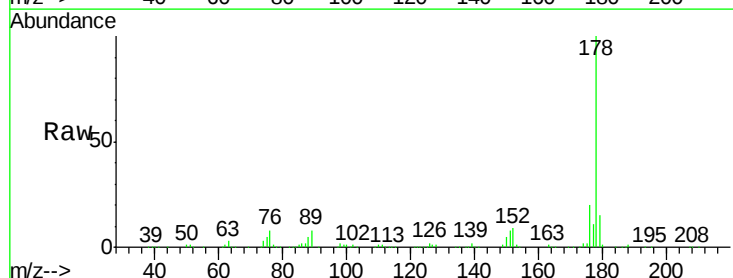


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 179.00 (178.70 to 179.70): E
Ion 176.00 (175.70 to 176.70): E

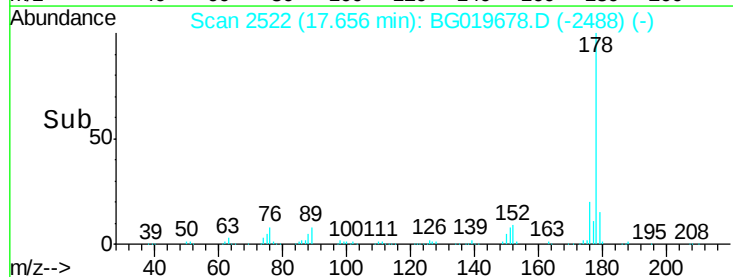
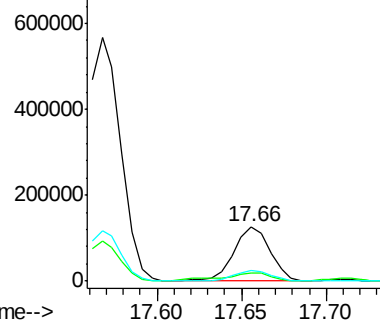


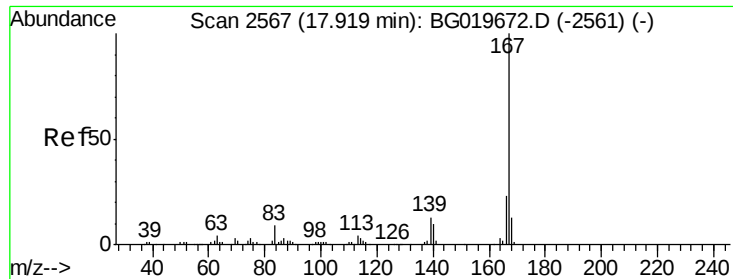
#72
Anthracene
Concen: 12.95 ng/ul
RT: 17.66 min Scan# 2522
Delta R.T. 0.00 min
Lab File: BG019678.D
Acq: 18 Nov 2015 2:45

Tgt Ion:178 Resp: 190202
Ion Ratio Lower Upper
178 100
179 15.3 12.6 19.0
176 19.8 15.0 22.4



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





#75

Carbazole

Concen: 5.96 ng/ul

RT: 17.92 min Scan# 2567

Delta R.T. 0.00 min

Lab File: BG019678.D

Acq: 18 Nov 2015 2:45

Instrument :

BNA_G

ClientSampleId :

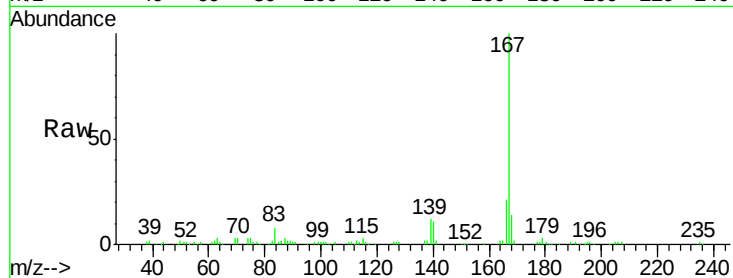
Tot Ion:167 Resp: 70346

Ion Ratio Lower Upper

167 100

166 21.2 18.1 27.1

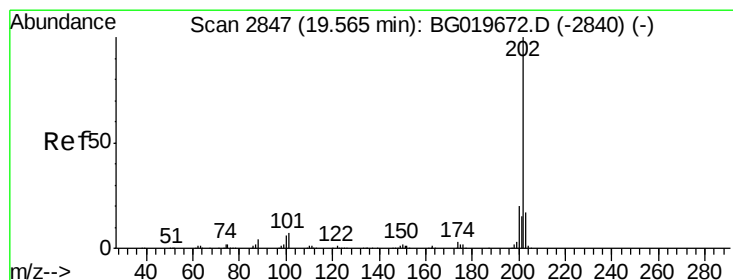
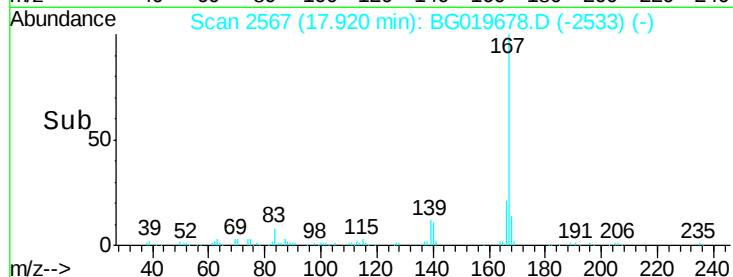
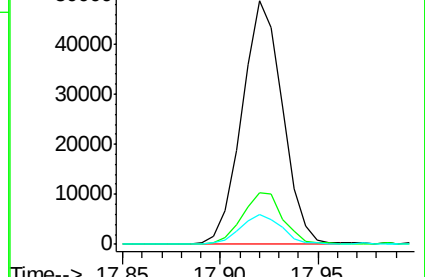
139 12.1 9.8 14.6



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: 72.11 ng/ul

RT: 19.57 min Scan# 2847

Delta R.T. 0.00 min

Lab File: BG019678.D

Acq: 18 Nov 2015 2:45

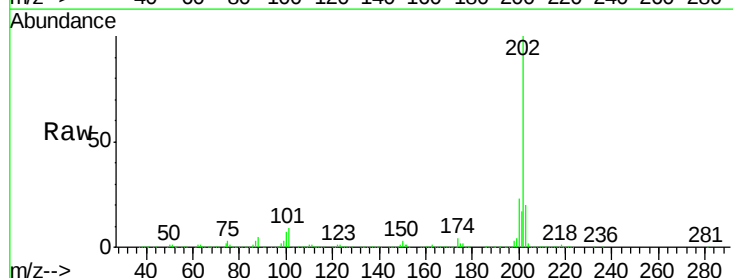
Tgt Ion:202 Resp: 1339022

Ion Ratio Lower Upper

202 100

101 8.5 5.2 7.8#

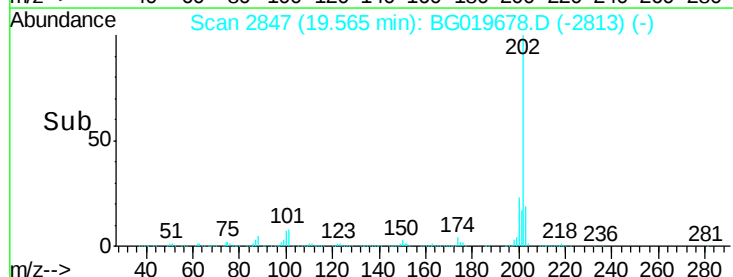
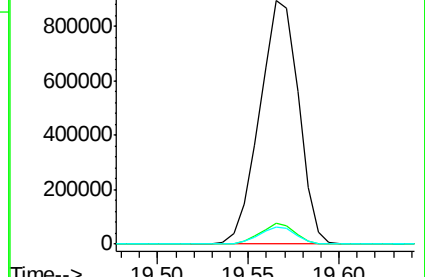
100 6.9 5.0 7.4

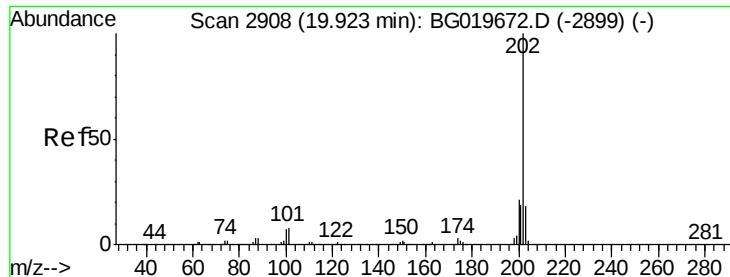


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): E

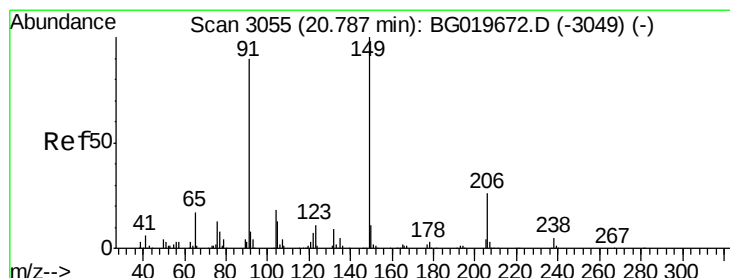
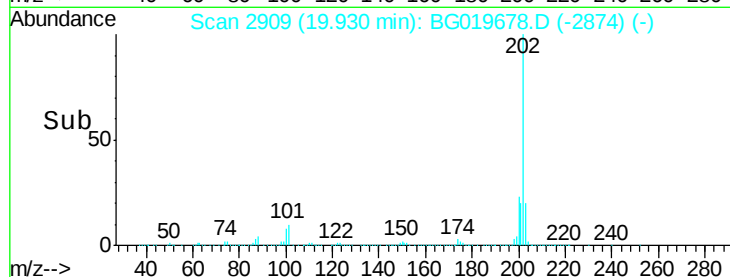
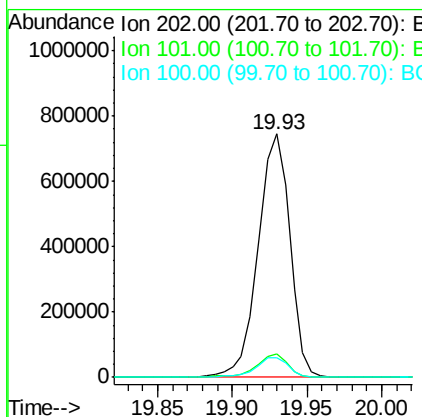
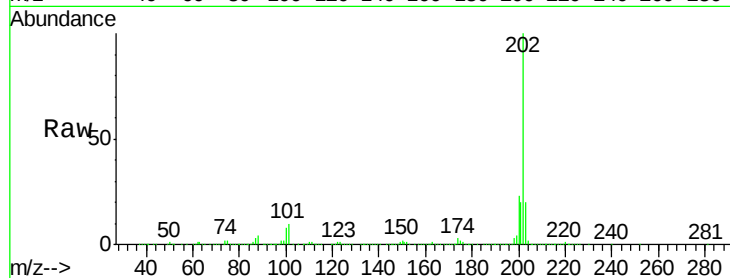




#80
Pvrene
Concen: 55.21 ng/ul
RT: 19.93 min Scan# 2909
Delta R.T. 0.01 min
Lab File: BG019678.D
Acq: 18 Nov 2015 2:45

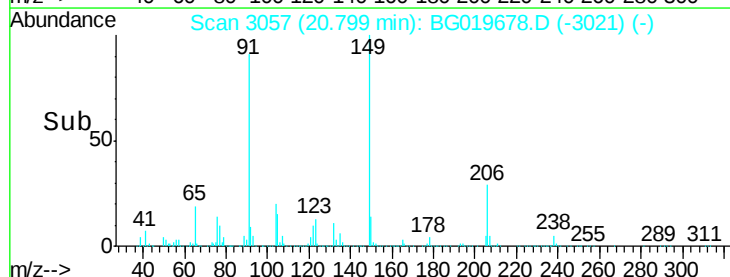
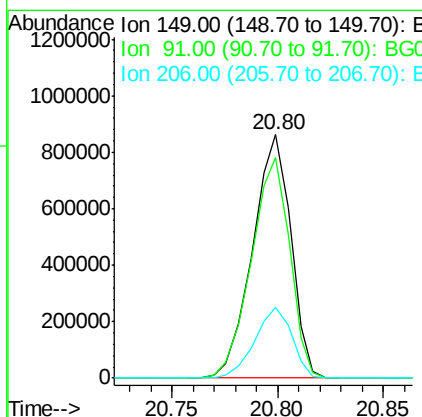
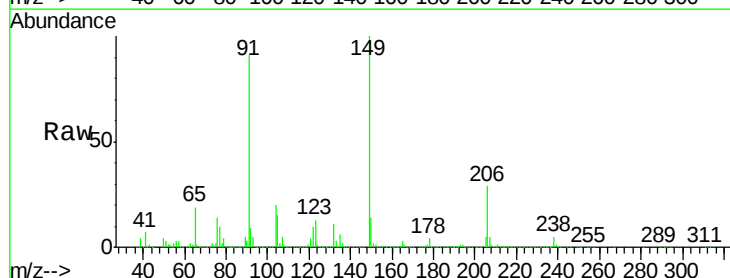
Instrument :
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ClientSampleId :

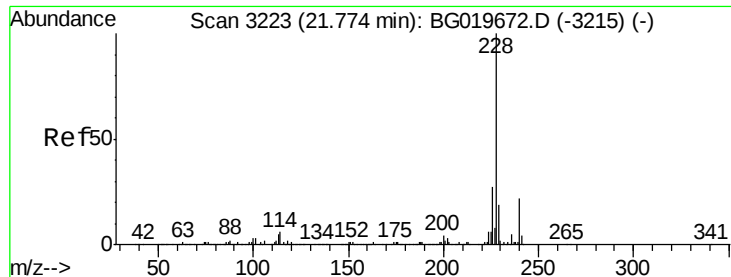
Tot Ion:202 Resp: 1091979
Ion Ratio Lower Upper
202 100
101 9.6 7.0 10.6
100 8.2 6.6 10.0



#81
Butylbenzylphthalate
Concen: 167.18 ng/ul
RT: 20.80 min Scan# 3057
Delta R.T. 0.01 min
Lab File: BG019678.D
Acq: 18 Nov 2015 2:45

Tgt Ion:149 Resp: 1087915
Ion Ratio Lower Upper
149 100
91 90.6 71.1 106.7
206 29.2 20.4 30.6





#83

Benzo(a)anthracene

Concen: 31.68 ng/ul

RT: 21.77 min Scan# 3223

Delta R.T. 0.00 min

Lab File: BG019678.D

Acq: 18 Nov 2015 2:45

Instrument :

BNA_G

ClientSampleId :

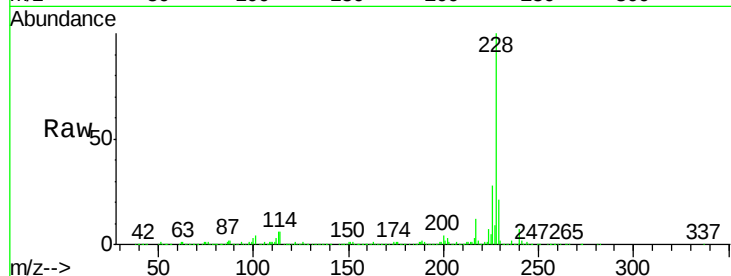
Tot Ion:228 Resp: 650268

Ion Ratio Lower Upper

228 100

229 20.6 15.7 23.5

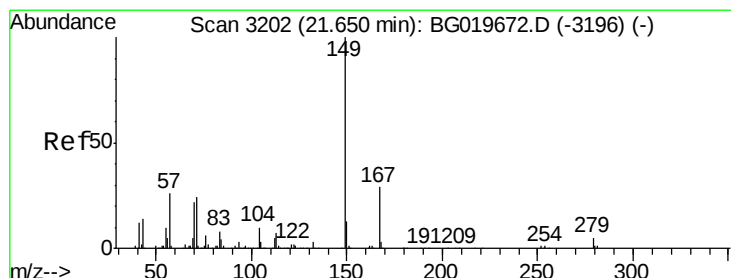
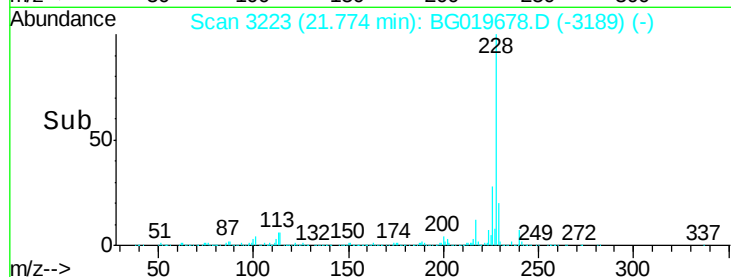
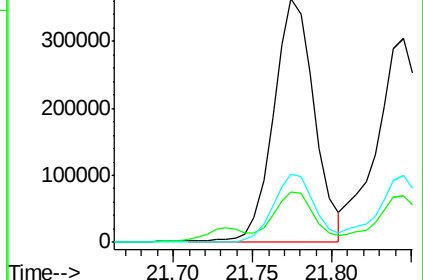
226 28.2 22.6 33.8



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



#84

Bis(2-ethylhexyl)phthalate

Concen: 5.43 ng/ul

RT: 21.66 min Scan# 3203

Delta R.T. 0.01 min

Lab File: BG019678.D

Acq: 18 Nov 2015 2:45

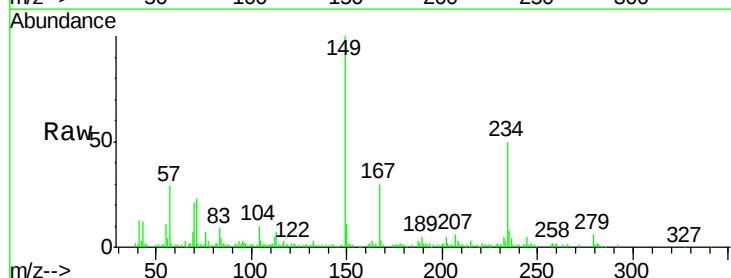
Tgt Ion:149 Resp: 51765

Ion Ratio Lower Upper

149 100

167 30.0 22.4 33.6

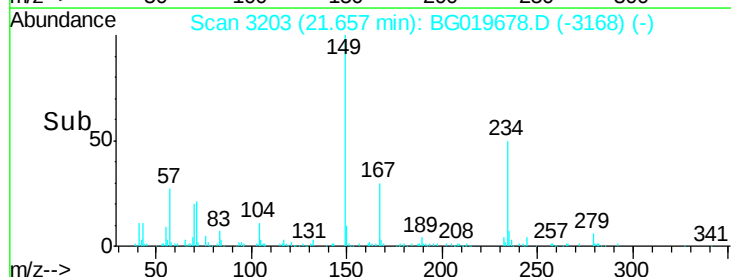
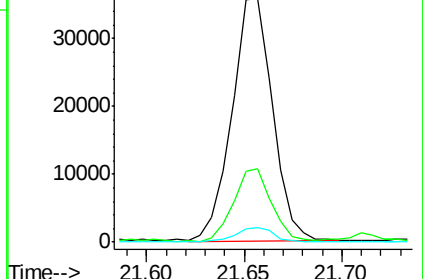
279 5.9 3.6 5.4#

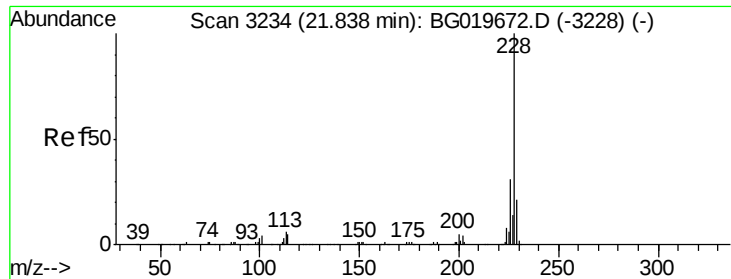


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E

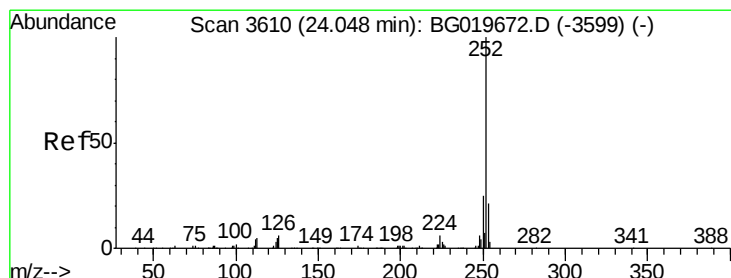
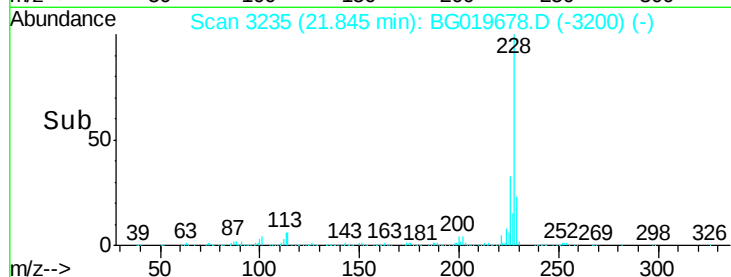
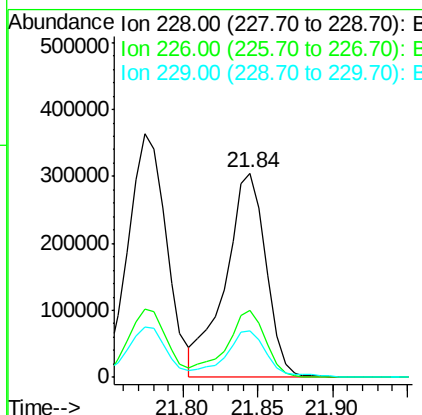
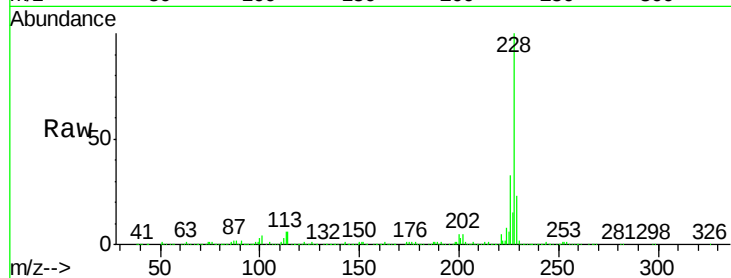




#85
 Chrysene
 Concen: 29.79 ng/u1
 RT: 21.84 min Scan# 3235
 Delta R.T. 0.01 min
 Lab File: BG019678.D
 Acq: 18 Nov 2015 2:45

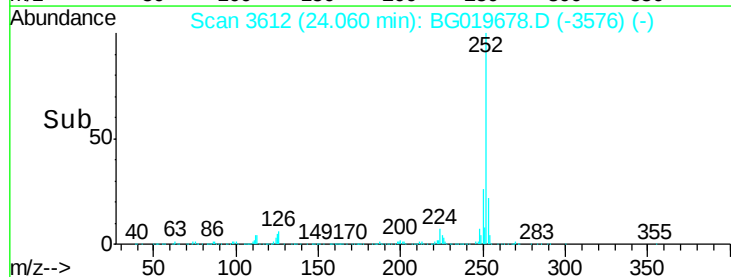
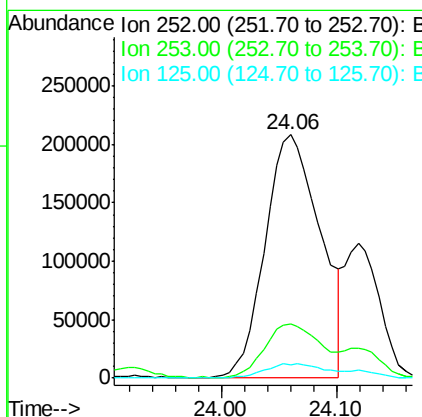
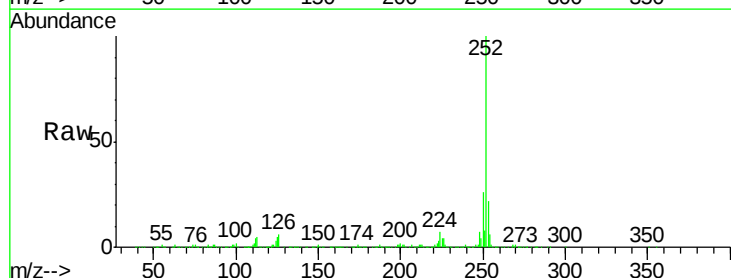
Instrument :
 BNA_G
 ClientSampled :

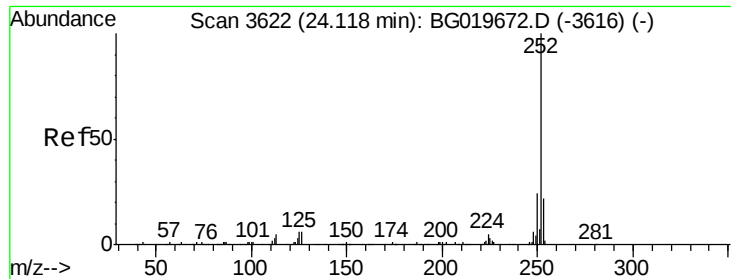
Tot Ion:228 Resp: 575660
 Ion Ratio Lower Upper
 228 100
 226 32.8 24.9 37.3
 229 22.9 17.0 25.6



#88
 Benzo(b)fluoranthene
 Concen: 34.30 ng/u1
 RT: 24.06 min Scan# 3612
 Delta R.T. 0.01 min
 Lab File: BG019678.D
 Acq: 18 Nov 2015 2:45

Tgt Ion:252 Resp: 692219
 Ion Ratio Lower Upper
 252 100
 253 22.3 17.1 25.7
 125 5.3 4.2 6.4





#89

Benzo(k)fluoranthene

Concen: 10.49 ng/ul

RT: 24.12 min Scan# 3622

Delta R.T. 0.00 min

Lab File: BG019678.D

Acq: 18 Nov 2015 2:45

Instrument :

BNA_G

ClientSampleId :

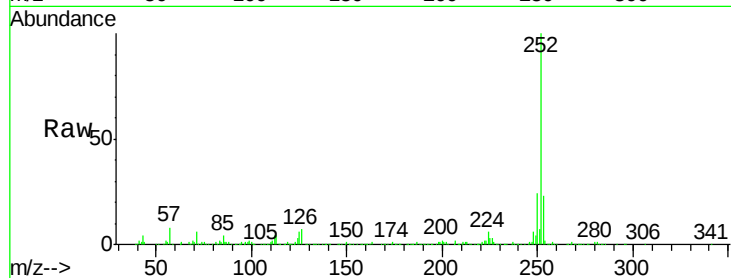
Tot Ion:252 Resp: 204321

Ion Ratio Lower Upper

252 100

253 22.6 17.1 25.7

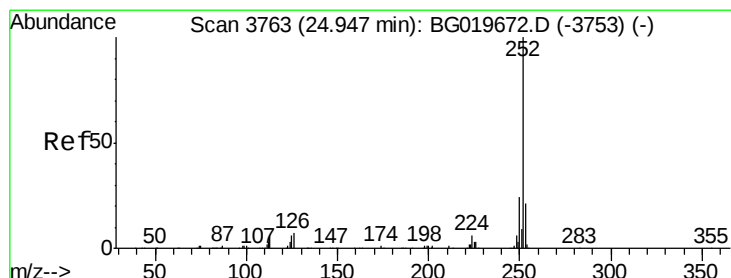
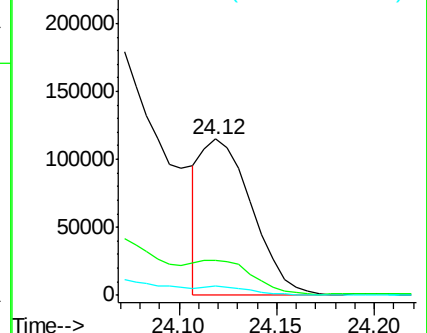
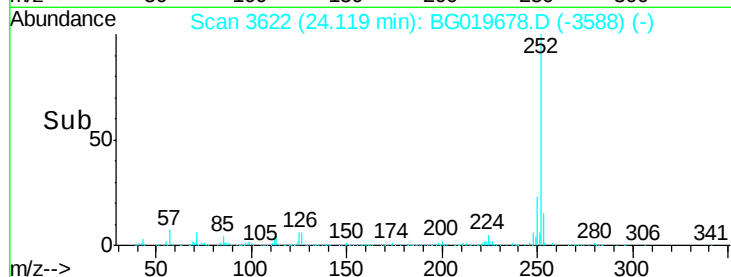
125 6.2 4.4 6.6



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



#91

Benzo(a)pyrene

Concen: 24.43 ng/ul

RT: 24.96 min Scan# 3765

Delta R.T. 0.01 min

Lab File: BG019678.D

Acq: 18 Nov 2015 2:45

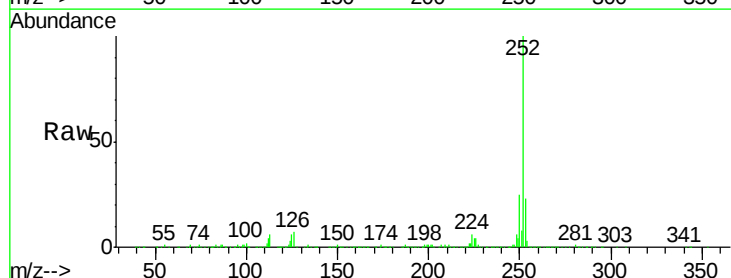
Tgt Ion:252 Resp: 474610

Ion Ratio Lower Upper

252 100

253 22.8 16.9 25.3

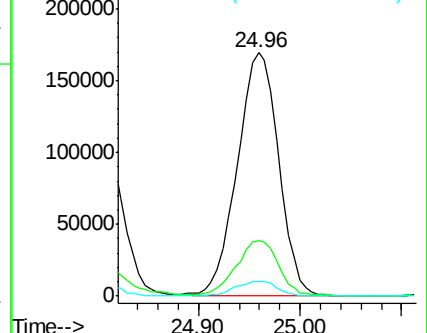
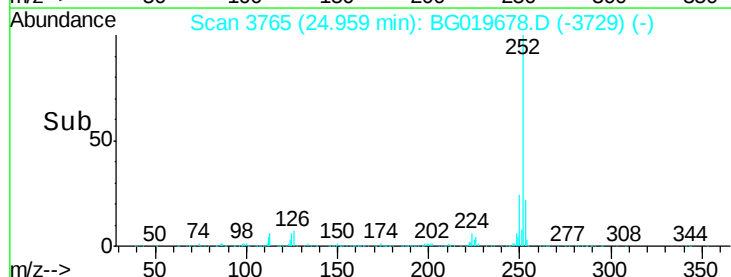
125 5.9 5.4 8.0

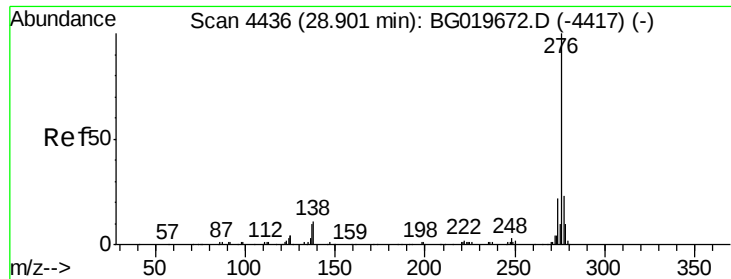


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#92

Indeno(1,2,3-cd)pyrene

Concen: 14.79 ng/ul

RT: 28.92 min Scan# 4439

Delta R.T. 0.02 min

Lab File: BG019678.D

Acq: 18 Nov 2015 2:45

Instrument :

BNA_G

ClientSampleId :

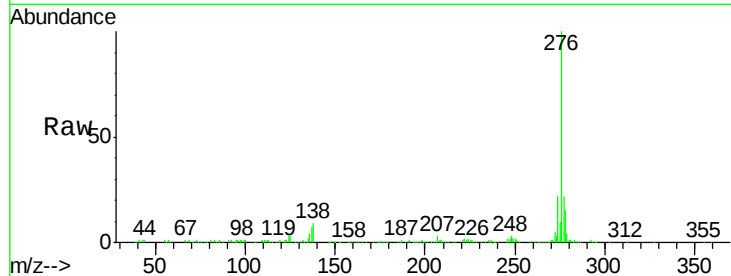
Tot Ion:276 Resp: 321565

Ion Ratio Lower Upper

276 100

138 9.5 9.9 14.9#

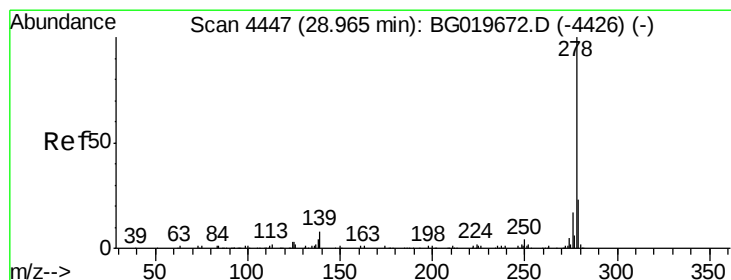
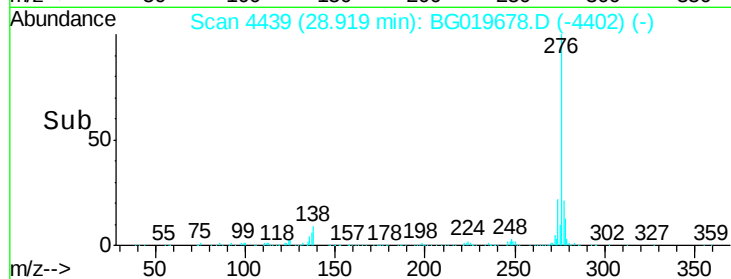
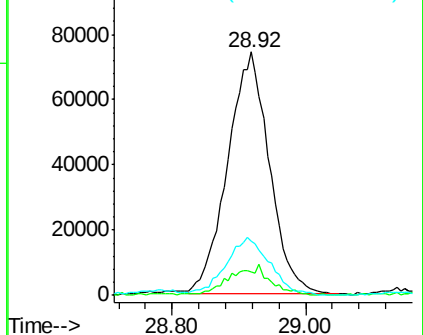
277 22.2 21.3 31.9



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: 4.79 ng/ul

RT: 28.95 min Scan# 4444

Delta R.T. -0.02 min

Lab File: BG019678.D

Acq: 18 Nov 2015 2:45

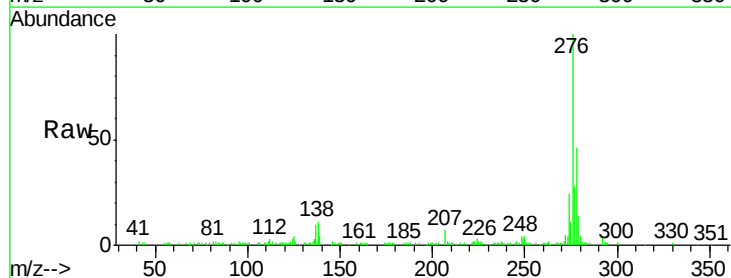
Tgt Ion:278 Resp: 85623

Ion Ratio Lower Upper

278 100

139 7.7 5.9 8.9

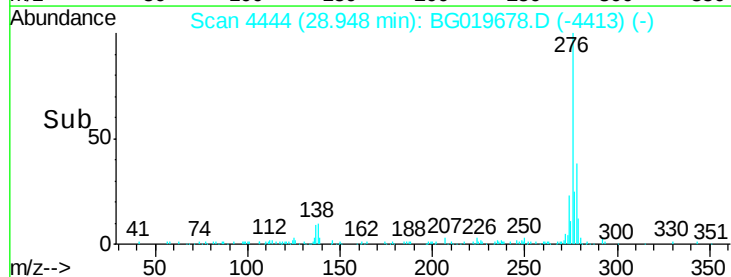
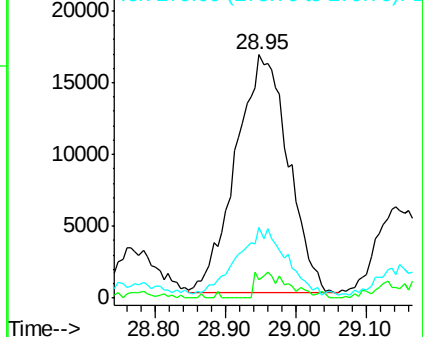
279 29.3 18.2 27.2#

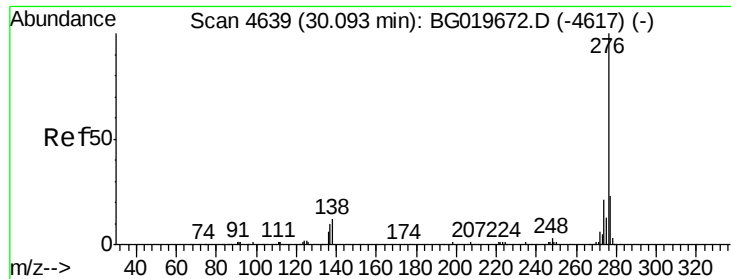


Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E

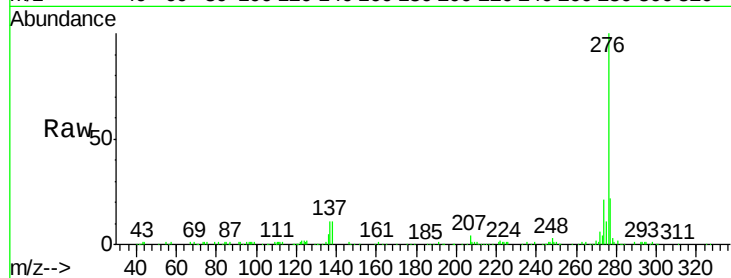




#94
 Benzo(a,h,i)perylene
 Concen: 16.01 ng/ul
 RT: 30.10 min Scan# 4640
 Delta R.T. 0.01 min
 Lab File: BG019678.D
 Acq: 18 Nov 2015 2:45

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
276	100		
138	10.6	9.2	13.8
277	22.0	18.6	28.0



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

