

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA G\DATA\BG110717\
 Data File : BG030840.D
 Acq On : 8 Nov 2017 11:22
 Operator : SJ/JU
 Sample : I6222-13
 Misc :
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Nov 08 13:18:41 2017
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM-EPA-BG101417.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed Nov 08 04:22:00 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.15	152	76997	20.00	ng/ul	0.00
18) Naphthalene-d8	10.97	136	373937	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.77	164	245649	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.51	188	582694	20.00	ng/ul	0.00
75) Chrysene-d12	21.78	240	640142	20.00	ng/ul	0.00
83) Perylene-d12	25.09	264	665731	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.53	96	7230	3.82	ng/uL	0.00
5) Phenol-d5	7.31	99	161617	21.87	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.47	67	96780	20.93	ng/ul	0.00
9) 2-Chlorophenol-d4	7.68	132	137199	26.32	ng/ul	0.00
13) 4-Methylphenol-d8	8.86	113	96889	16.23	ng/ul	0.00
19) Nitrobenzene-d5	9.32	128	70355	26.21	ng/ul	0.00
22) 2-Nitrophenol-d4	10.04	143	88014	32.00	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.59	165	145384	23.20	ng/ul	0.00
29) 4-Chloroaniline-d4	11.10	131	95502	13.12	ng/ul	0.00
43) Dimethylphthalate-d6	14.16	166	486622	23.17	ng/ul	0.00
46) Acenaphthylene-d8	14.46	160	614179	24.05	ng/ul	0.00
51) 4-Nitrophenol-d4	14.97	143	60367	15.57	ng/ul	0.00
57) Fluorene-d10	15.76	176	446838	25.98	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.88	200	55986	19.68	ng/ul	0.00
70) Anthracene-d10	17.61	188	683226	24.79	ng/ul	0.00
76) Pyrene-d10	19.88	212	801449	24.19	ng/ul	0.00
87) Benzo(a)pyrene-d12	24.86	264	805287	25.54	ng/ul	0.00

Target Compounds

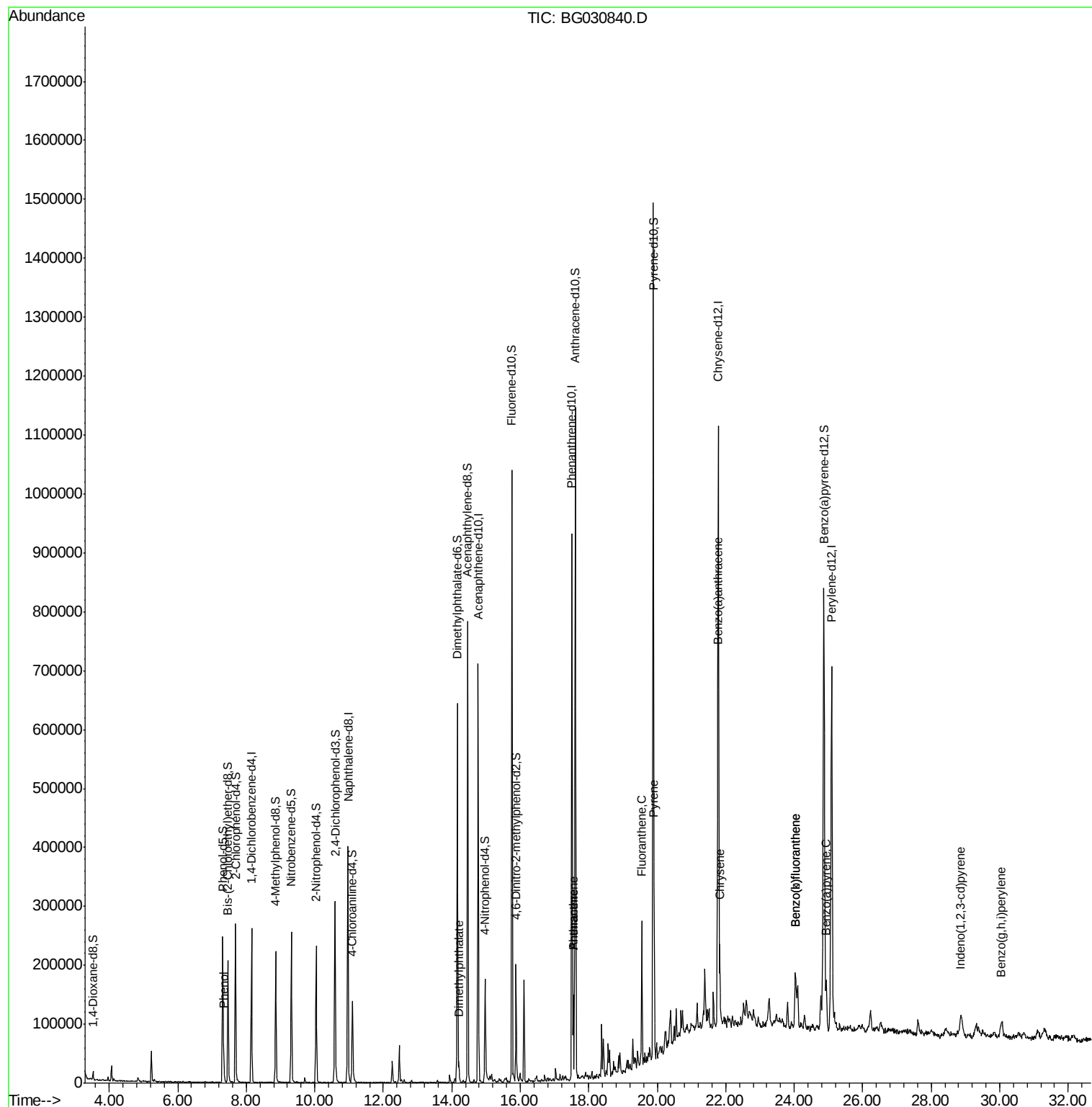
					Ovalue	
6) Phenol	7.35	94	18628	2.436	ng/ul#	82
44) Dimethylphthalate	14.21	163	25816	1.260	ng/ul	98
69) Phenanthrene	17.55	178	89350	2.837	ng/ul	99
71) Anthracene	17.55	178	89350	2.749	ng/ul	98
74) Fluoranthene	19.55	202	155920	4.429	ng/ul	96
77) Pyrene	19.91	202	171822	4.005	ng/ul	99
80) Benzo(a)anthracene	21.76	228	91195	2.273	ng/ul	98
82) Chrysene	21.82	228	102270	2.806	ng/ul	96
85) Benzo(b)fluoranthene	24.03	252	118980	2.977	ng/ul	96
86) Benzo(k)fluoranthene	24.03	252	118980	3.079	ng/ul	96
88) Benzo(a)pyrene	24.93	252	90282	2.321	ng/ul	96
89) Indeno(1,2,3-cd)pyrene	28.87	276	61645	1.401	ng/ul#	90
91) Benzo(g,h,i)perylene	30.04	276	59542	1.632	ng/ul#	95

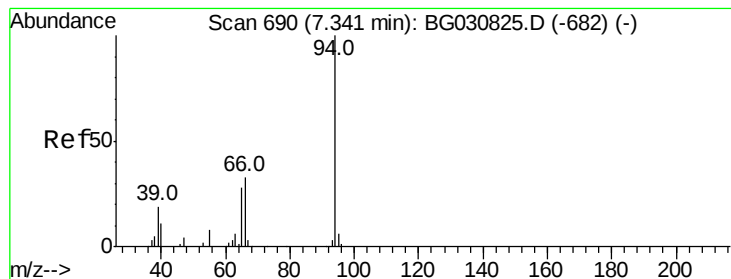
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SVOA CALIBRATION
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Response via : Initial Calibration





#6

Phenol

Concen: 2.436 ng/ul

RT: 7.35 min Scan# 691

Delta R.T. 0.01 min

Lab File: BG030840.D

Acq: 8 Nov 2017 11:22

Instrument :

BNA_G

ClientSampleId :

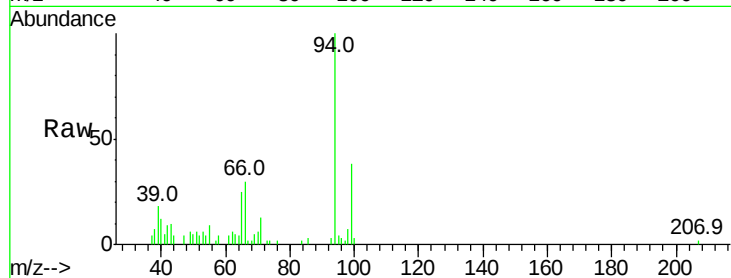
Tot Ion: 94 Resp: 18628

Ion Ratio Lower Upper

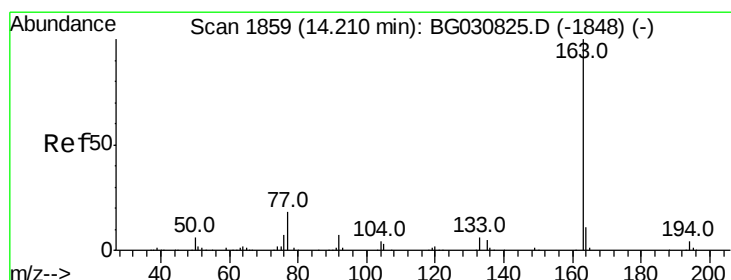
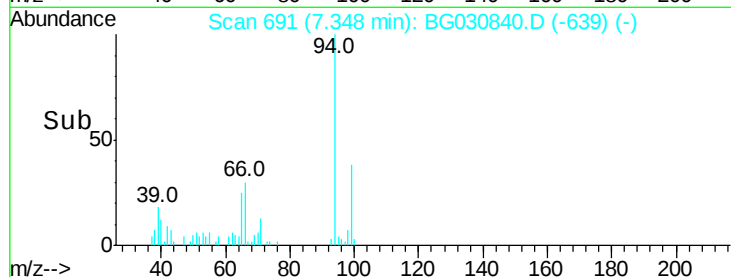
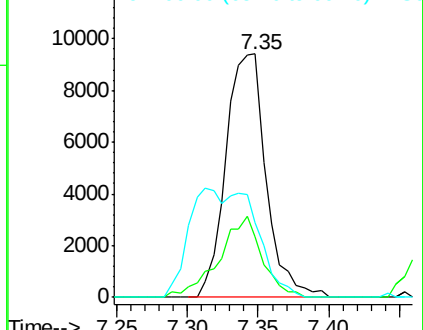
94 100

65 25.0 27.1 40.7#

66 30.4 34.6 52.0#



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



#44

Dimethylphthalate

Concen: 1.260 ng/ul

RT: 14.21 min Scan# 1859

Delta R.T. 0.00 min

Lab File: BG030840.D

Acq: 8 Nov 2017 11:22

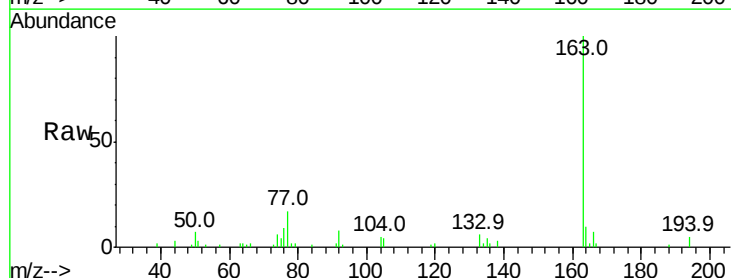
Tgt Ion:163 Resp: 25816

Ion Ratio Lower Upper

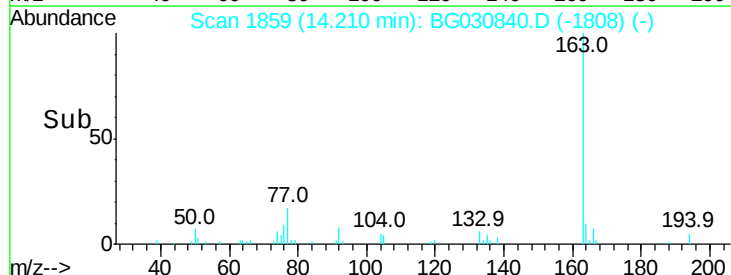
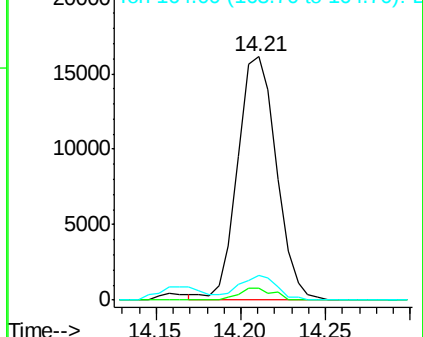
163 100

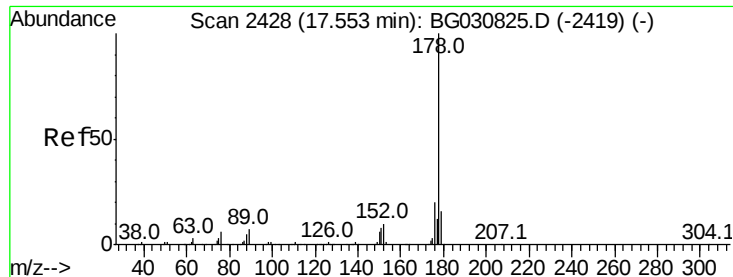
194 4.8 3.5 5.3

164 10.2 7.6 11.4



Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E





#69

Phenanthrene

Concen: 2.837 ng/ul

RT: 17.55 min Scan# 2427

Delta R.T. -0.01 min

Lab File: BG030840.D

Acq: 8 Nov 2017 11:22

Instrument :

BNA_G

ClientSampleId :

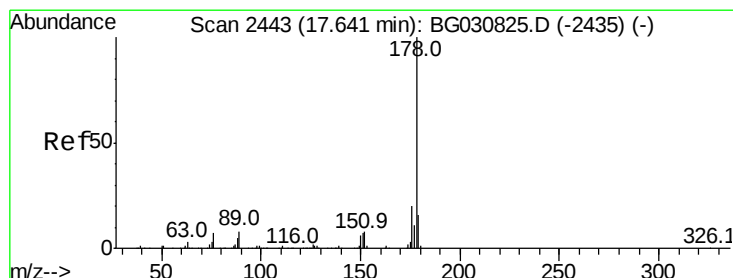
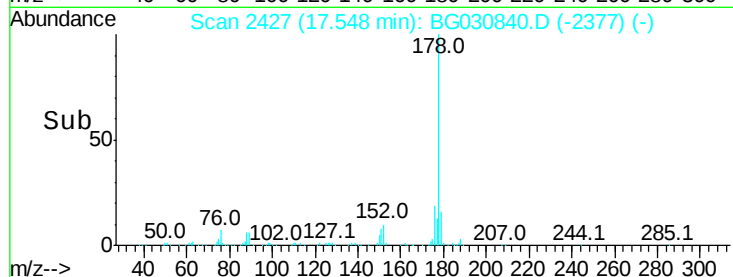
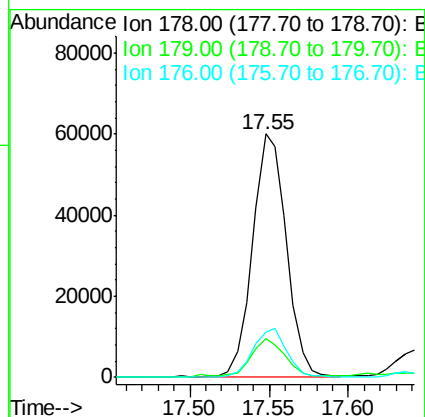
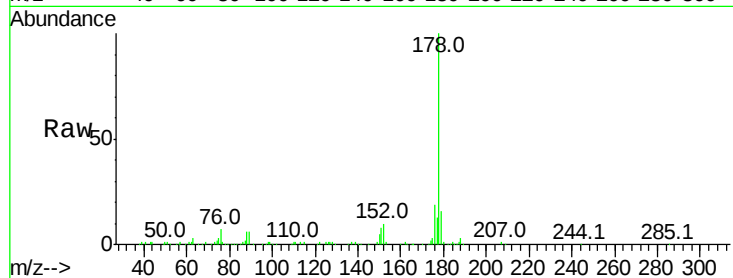
Tot Ion:178 Resp: 89350

Ion Ratio Lower Upper

178 100

179 15.8 13.0 19.6

176 18.6 15.3 22.9



#71

Anthracene

Concen: 2.749 ng/ul

RT: 17.55 min Scan# 2427

Delta R.T. -0.09 min

Lab File: BG030840.D

Acq: 8 Nov 2017 11:22

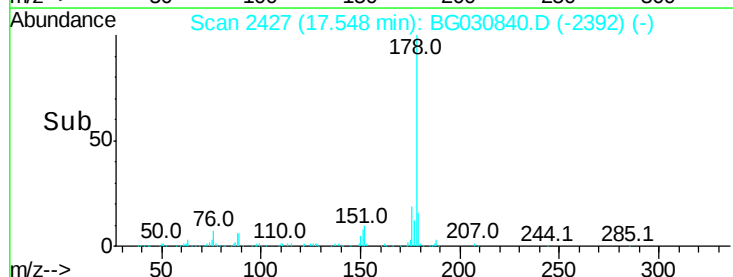
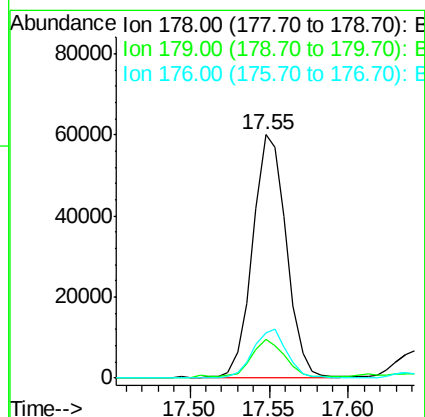
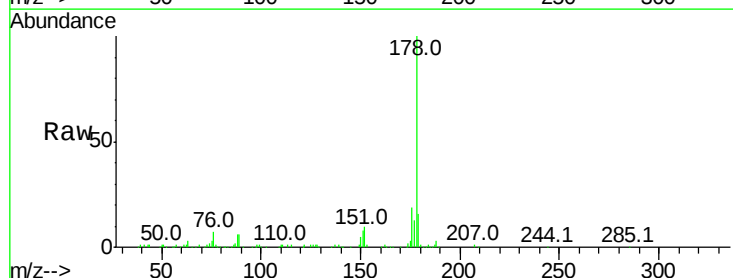
Tgt Ion:178 Resp: 89350

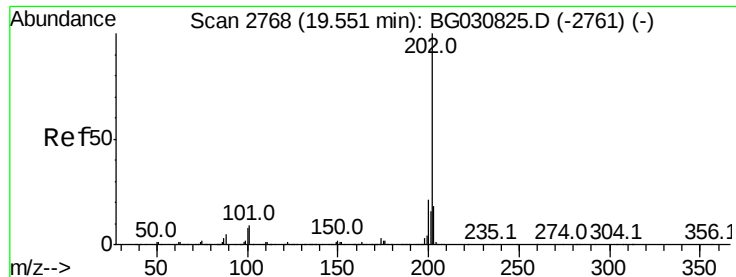
Ion Ratio Lower Upper

178 100

179 15.8 13.2 19.8

176 18.6 16.0 24.0





#74

Fluoranthene

Concen: 4.429 ng/ul

RT: 19.55 min Scan# 2768

Delta R.T. 0.00 min

Lab File: BG030840.D

Acq: 8 Nov 2017 11:22

Instrument :

BNA_G

ClientSampleId :

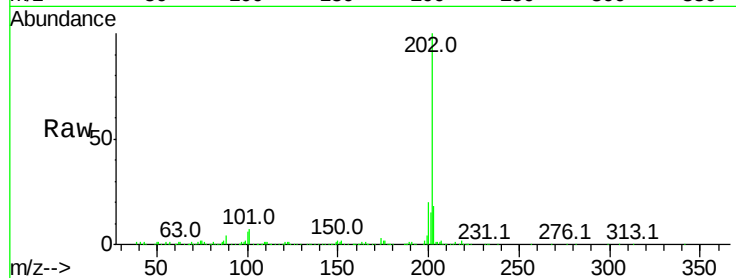
Tot Ion:202 Resp: 155920

Ion Ratio Lower Upper

202 100

101 7.4 7.4 11.2

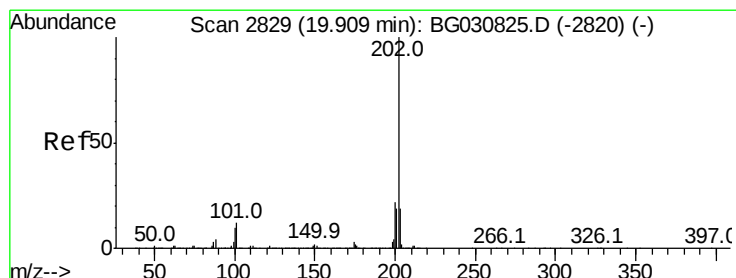
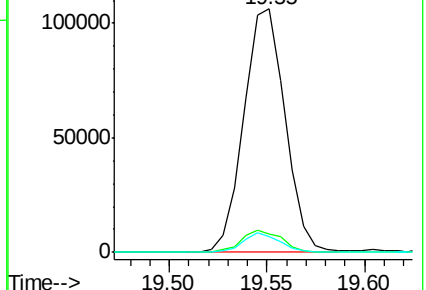
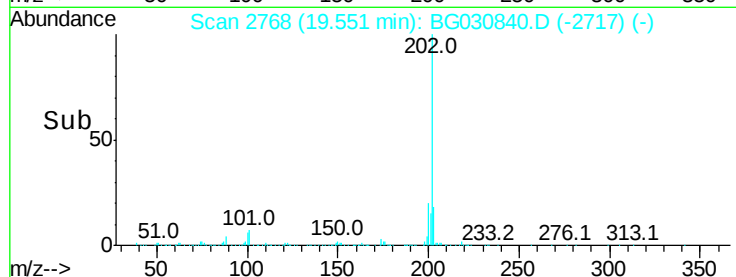
100 6.3 5.6 8.4



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B



#77

Pyrene

Concen: 4.005 ng/ul

RT: 19.91 min Scan# 2829

Delta R.T. 0.00 min

Lab File: BG030840.D

Acq: 8 Nov 2017 11:22

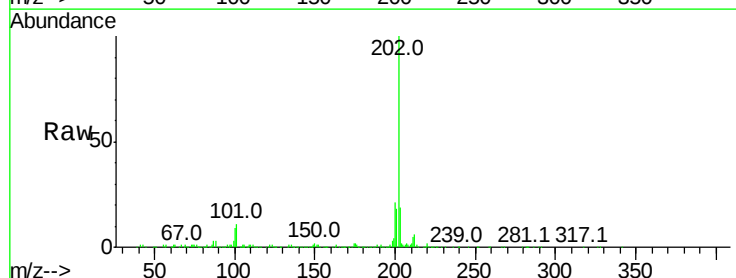
Tgt Ion:202 Resp: 171822

Ion Ratio Lower Upper

202 100

101 11.0 8.4 12.6

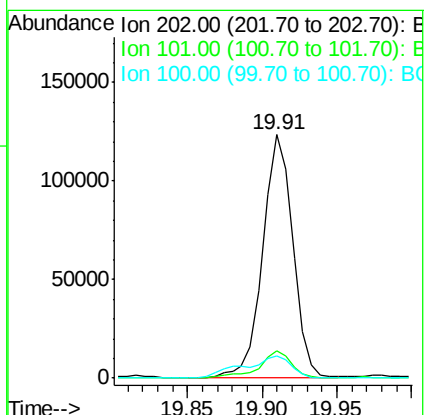
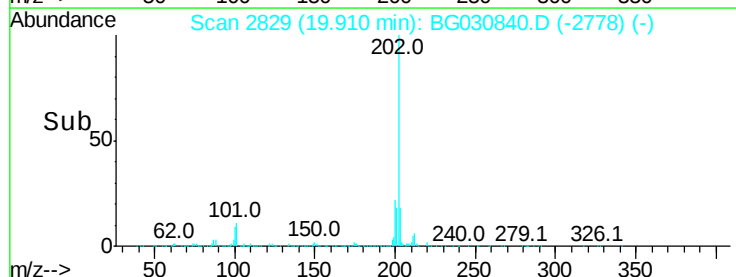
100 8.9 7.0 10.6

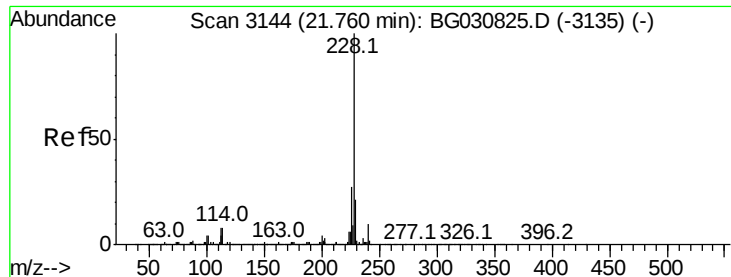


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#80

Benzo(a)anthracene

Concen: 2.273 ng/ul

RT: 21.76 min Scan# 3144

Delta R.T. 0.00 min

Lab File: BG030840.D

Acq: 8 Nov 2017 11:22

Instrument :

BNA_G

ClientSampleId :

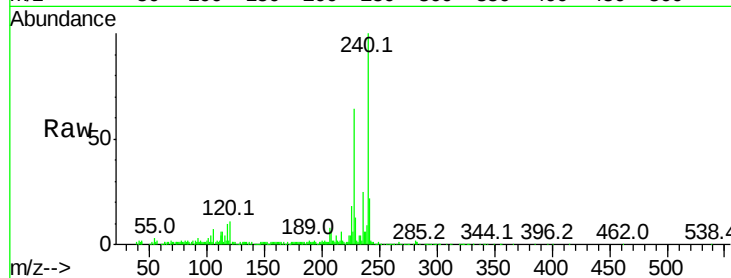
Tot Ion:228 Resp: 91195

Ion Ratio Lower Upper

228 100

229 20.7 16.2 24.4

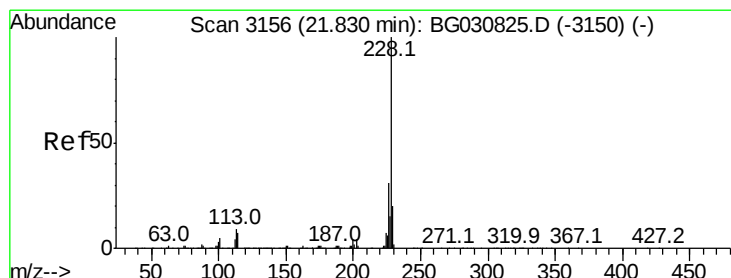
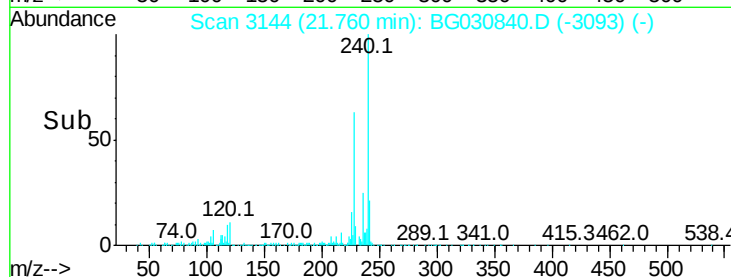
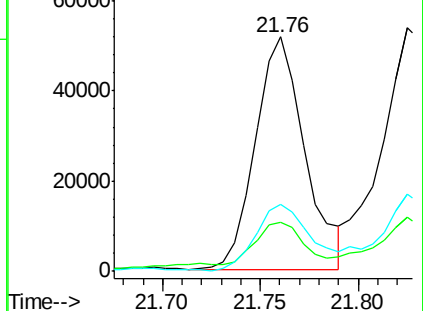
226 28.8 22.2 33.2



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: 2.806 ng/ul

RT: 21.82 min Scan# 3155

Delta R.T. -0.01 min

Lab File: BG030840.D

Acq: 8 Nov 2017 11:22

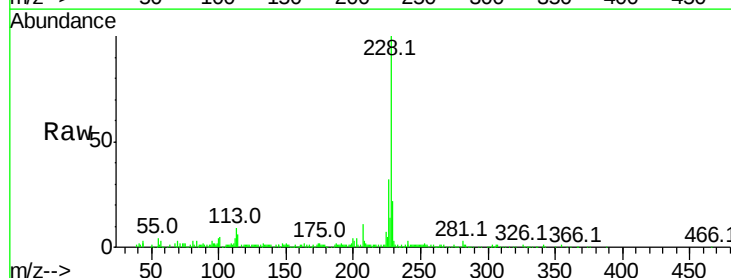
Tgt Ion:228 Resp: 102270

Ion Ratio Lower Upper

228 100

226 31.6 24.2 36.2

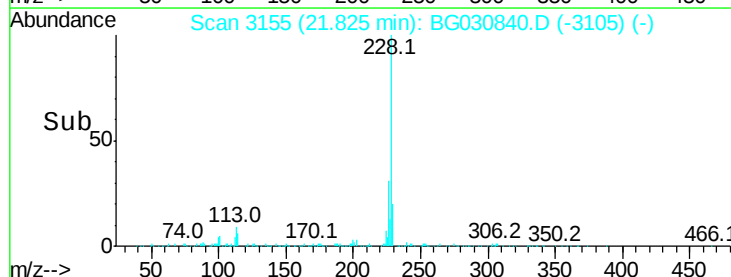
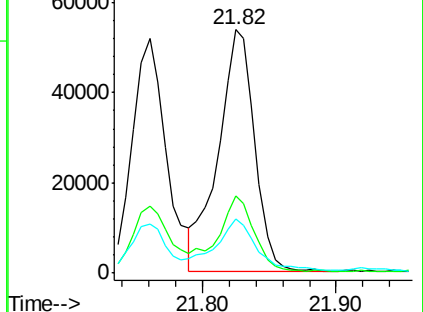
229 22.4 15.2 22.8

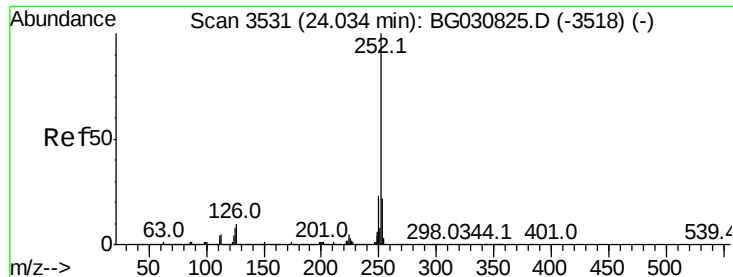


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#85

Benzo(b)fluoranthene

Concen: 2.977 ng/ul

RT: 24.03 min Scan# 3531

Delta R.T. 0.00 min

Lab File: BG030840.D

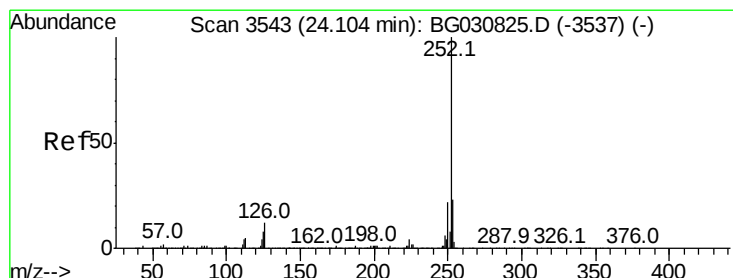
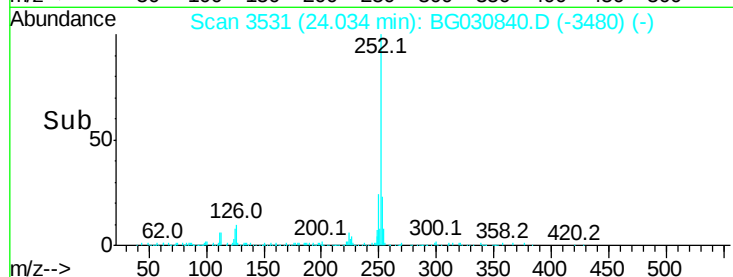
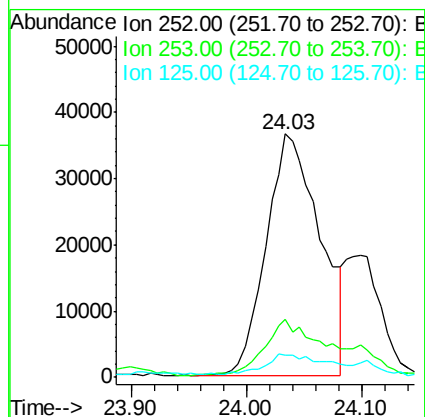
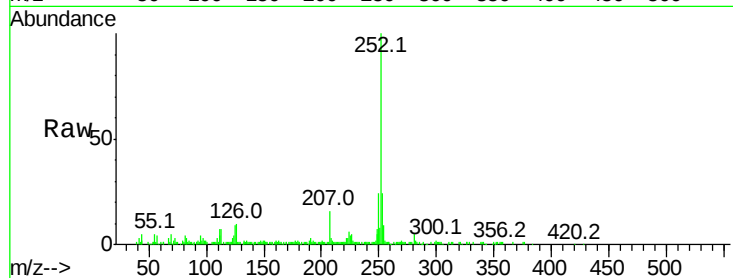
Acq: 8 Nov 2017 11:22

Instrument :

BNA_G

ClientSampleId :

Tot Ion:252	Resp:	118980
Ion Ratio	Lower	Upper
252	100	
253	23.7	17.0 25.4
125	9.3	7.5 11.3



#86

Benzo(k)fluoranthene

Concen: 3.079 ng/ul

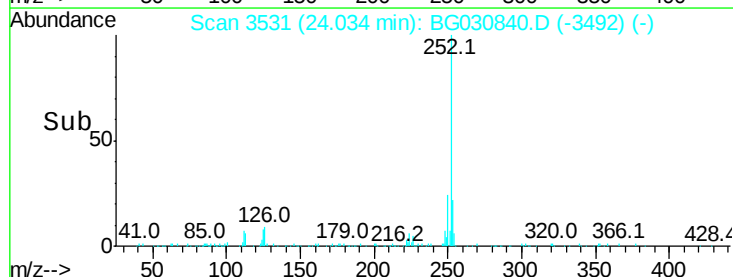
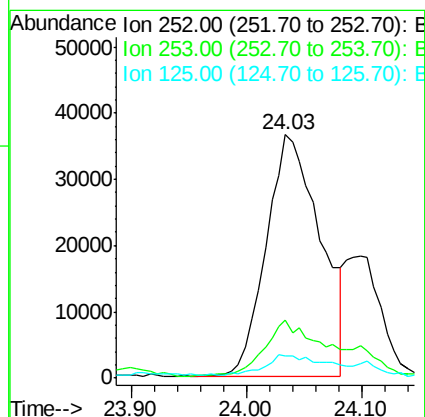
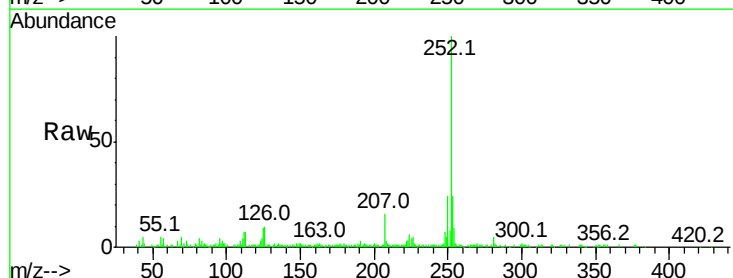
RT: 24.03 min Scan# 3531

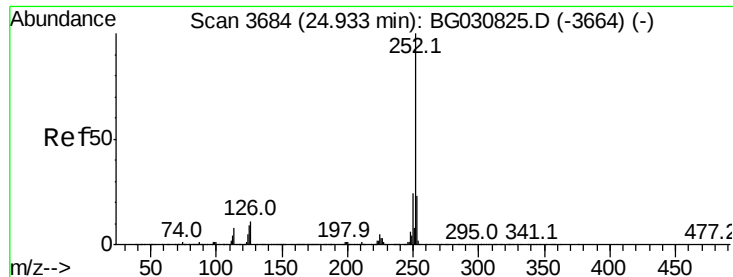
Delta R.T. -0.07 min

Lab File: BG030840.D

Acq: 8 Nov 2017 11:22

Tgt Ion:252	Resp:	118980
Ion Ratio	Lower	Upper
252	100	
253	23.7	17.2 25.8
125	9.3	7.8 11.8





#88

Benzo(a)pyrene

Concen: 2.321 ng/ul

RT: 24.93 min Scan# 3683

Delta R.T. -0.01 min

Lab File: BG030840.D

Acq: 8 Nov 2017 11:22

Instrument :

BNA_G

ClientSampled :

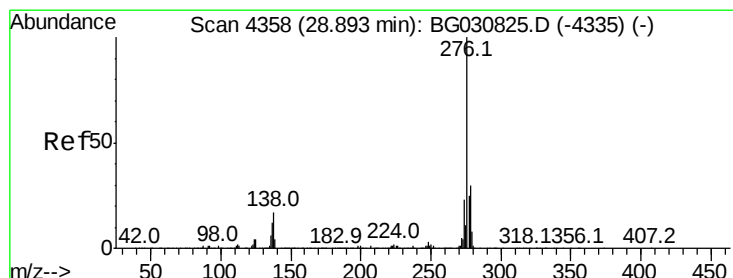
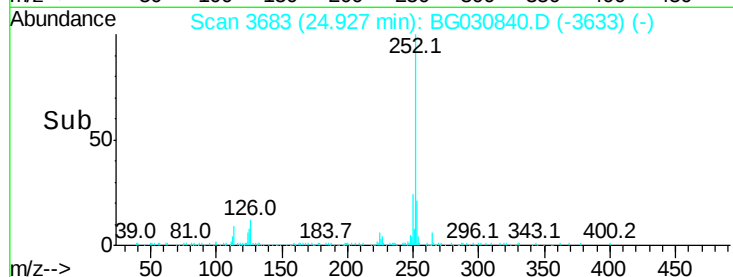
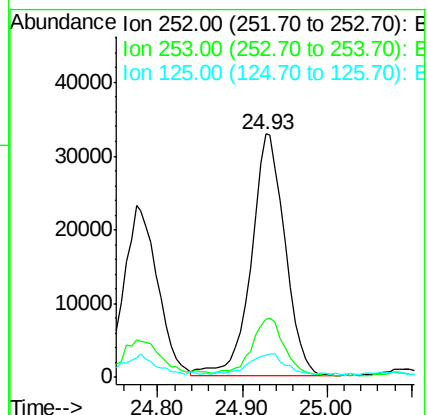
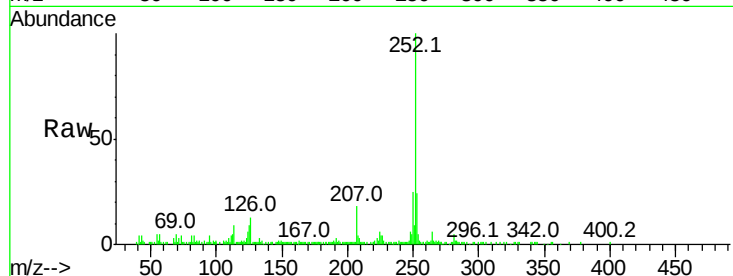
Tot Ion:252 Resp: 90282

Ion Ratio Lower Upper

252 100

253 23.7 17.1 25.7

125 9.3 7.8 11.8



#89

Indeno(1,2,3-cd)pyrene

Concen: 1.401 ng/ul

RT: 28.87 min Scan# 4354

Delta R.T. -0.02 min

Lab File: BG030840.D

Acq: 8 Nov 2017 11:22

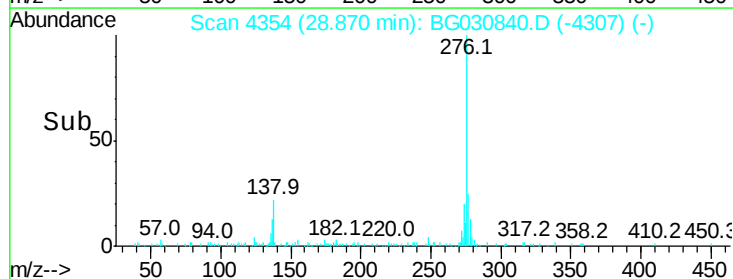
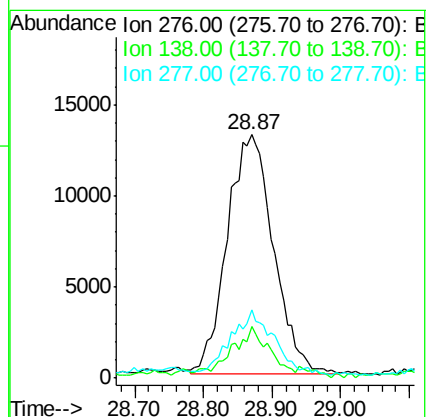
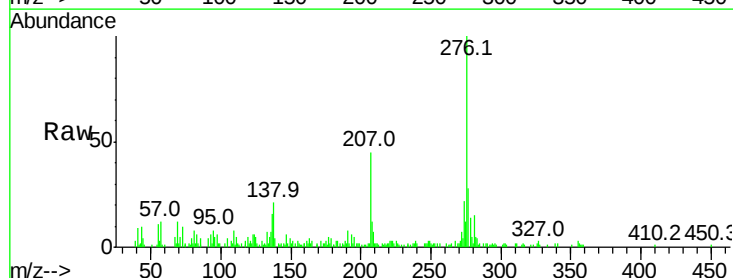
Tgt Ion:276 Resp: 61645

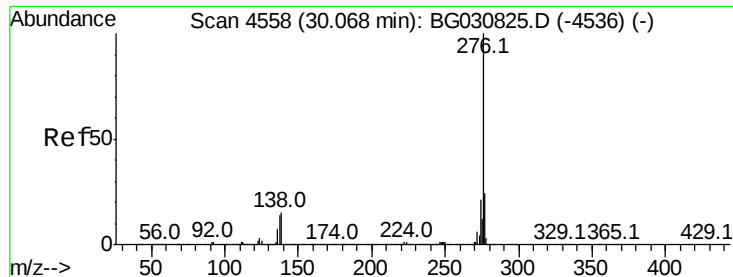
Ion Ratio Lower Upper

276 100

138 21.1 13.4 20.0#

277 28.1 18.6 28.0#





#91

Benzo(a,h,i)perylene

Concen: 1.632 ng/ul

RT: 30.04 min Scan# 4554

Delta R.T. -0.02 min

Lab File: BG030840.D

Acq: 8 Nov 2017 11:22

Instrument :

BNA_G

ClientSampleId :

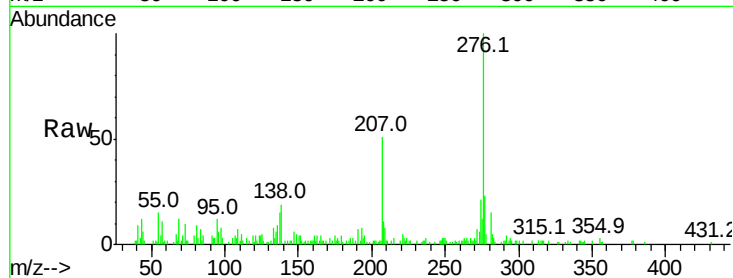
Tot Ion:276 Resp: 59542

Ion Ratio Lower Upper

276 100

138 19.3 12.1 18.1#

277 22.7 17.7 26.5



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

