

Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA G\DATA\BG110717\
 Data File : BG030837.D
 Acq On : 8 Nov 2017 9:30
 Operator : SJ/JU
 Sample : I6222-10
 Misc :
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Nov 08 10:34:26 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	71374	20.00	ng/ul	0.00
18) Naphthalene-d8	10.97	136	344427	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.77	164	223009	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.51	188	524915	20.00	ng/ul	0.00
75) Chrysene-d12	21.78	240	547672	20.00	ng/ul	0.00
83) Perylene-d12	25.10	264	562010	20.00	ng/ul	0.00

System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.53	96	5404	3.08	ng/uL	0.00
5) Phenol-d5	7.31	99	117400	17.14	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.47	67	67789	15.81	ng/ul	0.00
9) 2-Chlorophenol-d4	7.68	132	98723	20.43	ng/ul	0.00
13) 4-Methylphenol-d8	8.86	113	92379	16.70	ng/ul	0.00
19) Nitrobenzene-d5	9.32	128	50121	20.27	ng/ul	0.00
22) 2-Nitrophenol-d4	10.04	143	59706	23.57	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.59	165	106258	18.41	ng/ul	0.00
29) 4-Chloroaniline-d4	11.10	131	92484	13.79	ng/ul	0.00
43) Dimethylphthalate-d6	14.16	166	348478	18.28	ng/ul	0.00
46) Acenaphthylene-d8	14.46	160	433764	18.71	ng/ul	0.00
51) 4-Nitrophenol-d4	14.97	143	46016	13.07	ng/ul	0.00
57) Fluorene-d10	15.76	176	322165	20.63	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.88	200	36259	14.15	ng/ul	0.00
70) Anthracene-d10	17.61	188	496394	20.00	ng/ul	0.00
76) Pyrene-d10	19.88	212	544040	19.19	ng/ul	0.00
87) Benzo(a)pyrene-d12	24.86	264	517231	19.43	ng/ul	0.00

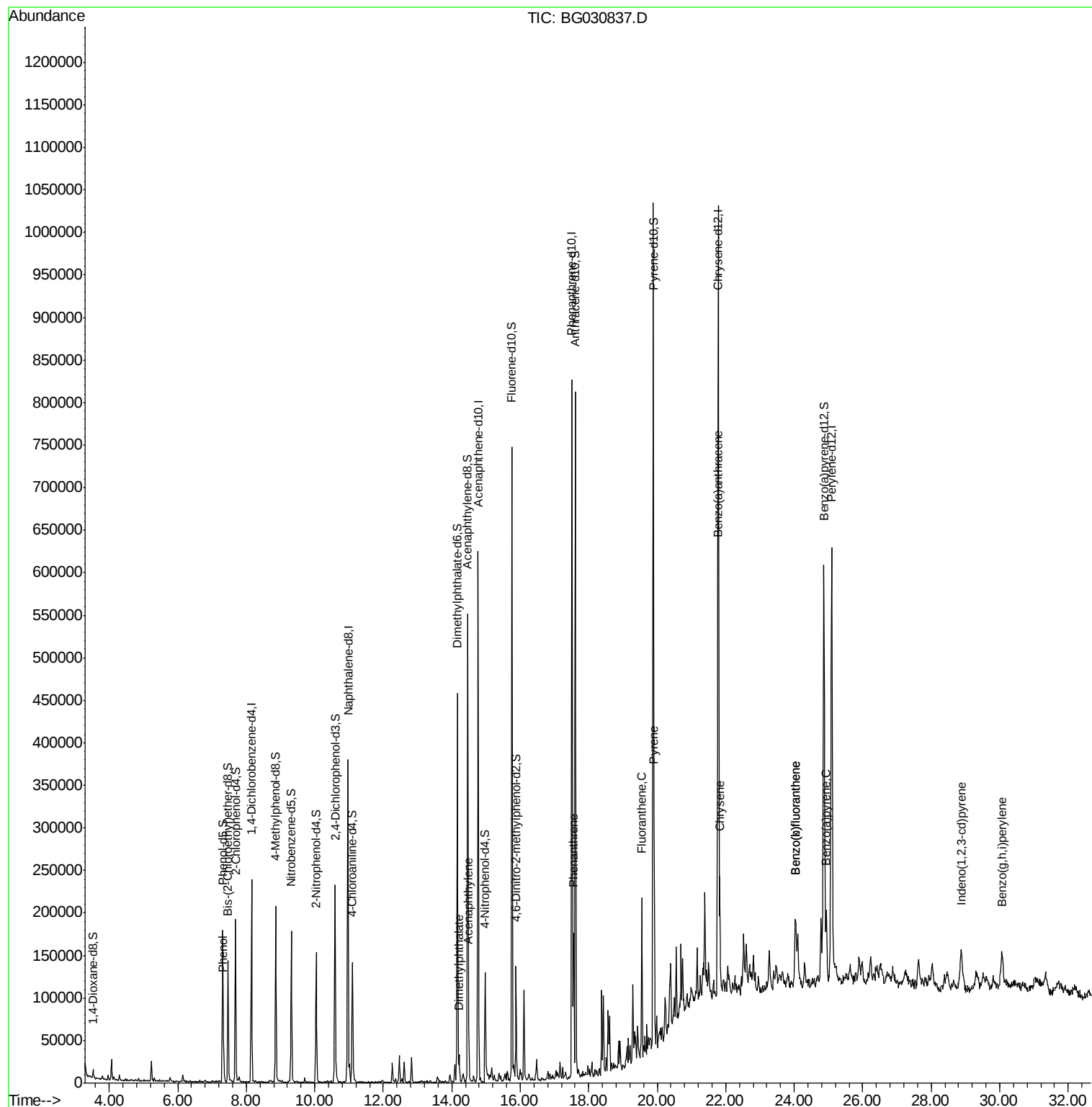
Target Compounds				Ovalue		
6) Phenol	7.34	94	12245	1.727	ng/ul#	92
44) Dimethylphthalate	14.21	163	18858	1.014	ng/ul#	96
47) Acenaphthylene	14.49	152	49475	2.092	ng/ul	98
69) Phenanthrene	17.55	178	111810	3.940	ng/ul	99
74) Fluoranthene	19.55	202	113576	3.581	ng/ul	98
77) Pyrene	19.91	202	170064	4.633	ng/ul	97
80) Benzo(a)anthracene	21.76	228	82582	2.406	ng/ul	92
82) Chrysene	21.83	228	113684	3.645	ng/ul	99
85) Benzo(b)fluoranthene	24.04	252	107100	3.174	ng/ul	97
86) Benzo(k)fluoranthene	24.04	252	107100	3.283	ng/ul	98
88) Benzo(a)pyrene	24.93	252	82752	2.520	ng/ul	99
89) Indeno(1,2,3-cd)pyrene	28.88	276	74608	2.008	ng/ul#	90
91) Benzo(g,h,i)perylene	30.06	276	78351	2.544	ng/ul	99

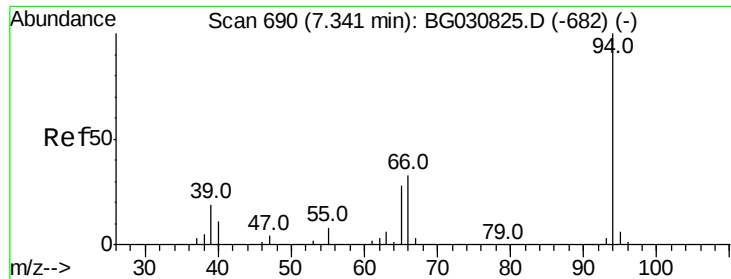
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SVOA CALIBRATION
QLast Update : Wed Nov 08 04:22:00 2017
Response via : Initial Calibration





#6

Phenol

Concen: 1.727 ng/ul

RT: 7.34 min Scan# 689

Delta R.T. -0.01 min

Lab File: BG030837.D

Acq: 8 Nov 2017 9:30

Instrument :

BNA_G

ClientSampleId :

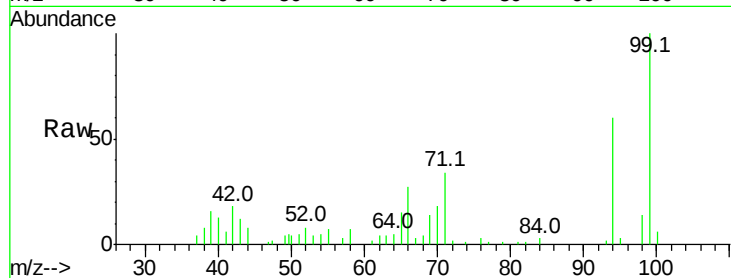
Tot Ion: 94 Resp: 12245

Ion Ratio Lower Upper

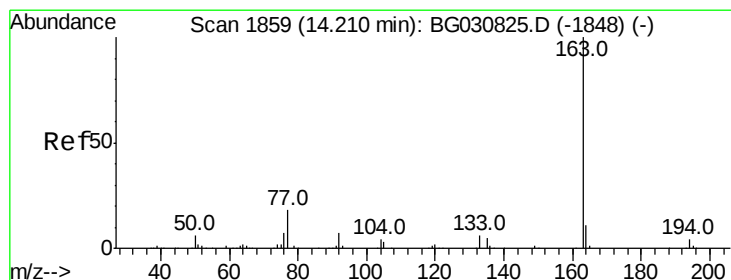
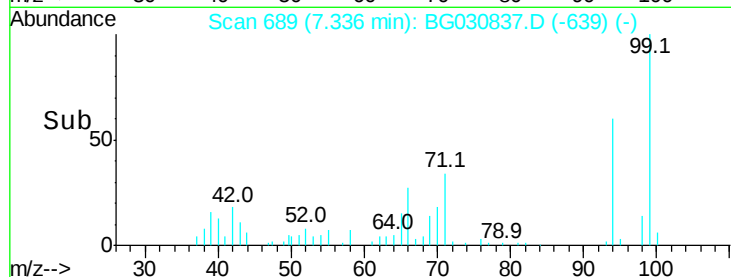
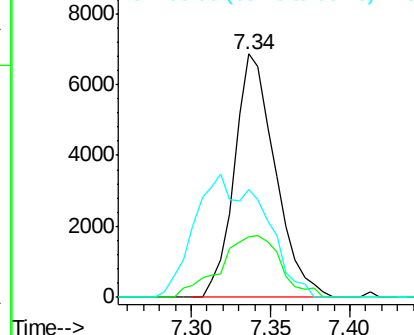
94 100

65 25.0 27.1 40.7#

66 44.2 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: 1.014 ng/ul

RT: 14.21 min Scan# 1859

Delta R.T. 0.00 min

Lab File: BG030837.D

Acq: 8 Nov 2017 9:30

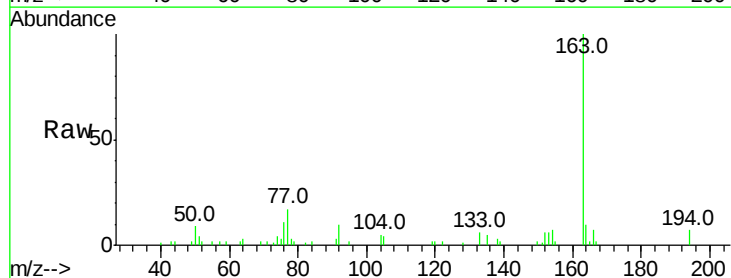
Tgt Ion:163 Resp: 18858

Ion Ratio Lower Upper

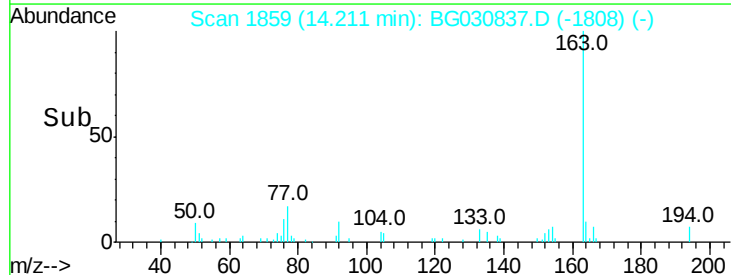
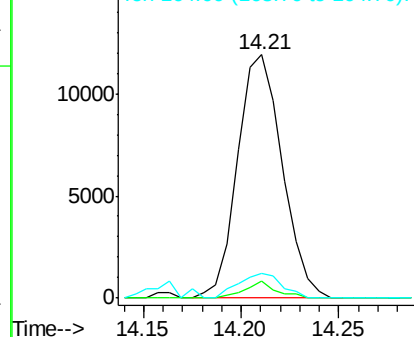
163 100

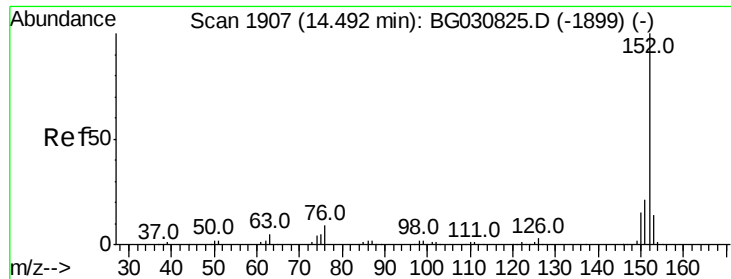
194 6.8 3.5 5.3#

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





#47

Acenaphthylene

Concen: 2.092 ng/ul

RT: 14.49 min Scan# 1907

Delta R.T. 0.00 min

Lab File: BG030837.D

Acq: 8 Nov 2017 9:30

Instrument :

BNA_G

ClientSampleId :

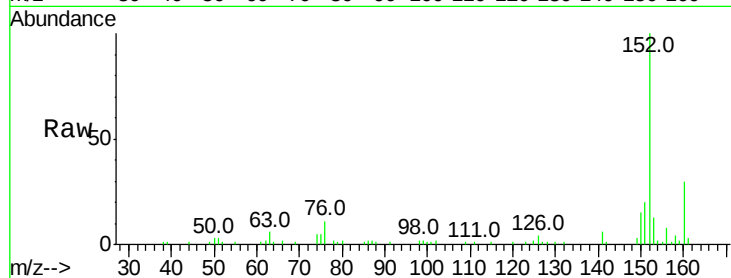
Tot Ion:152 Resp: 49475

Ion Ratio Lower Upper

152 100

151 19.9 15.2 22.8

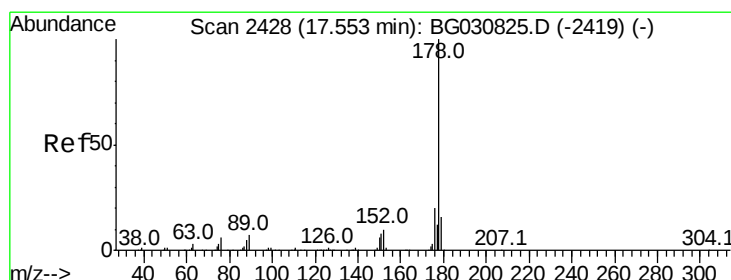
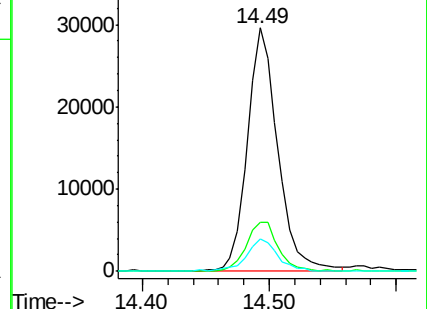
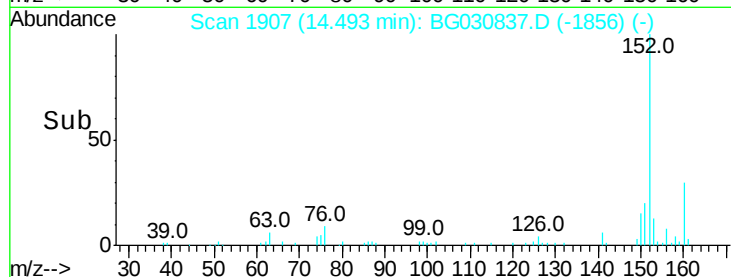
153 13.1 10.2 15.4



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



#69

Phenanthrene

Concen: 3.940 ng/ul

RT: 17.55 min Scan# 2428

Delta R.T. 0.00 min

Lab File: BG030837.D

Acq: 8 Nov 2017 9:30

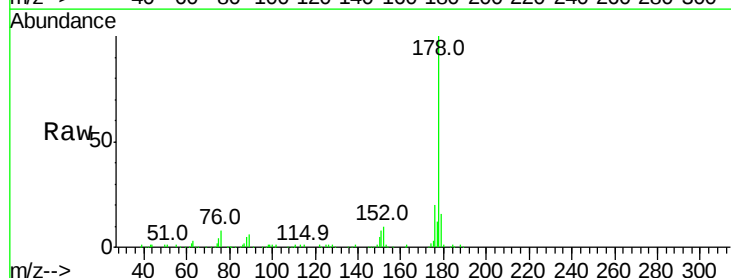
Tgt Ion:178 Resp: 111810

Ion Ratio Lower Upper

178 100

179 16.0 13.0 19.6

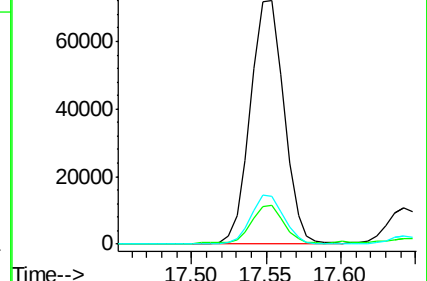
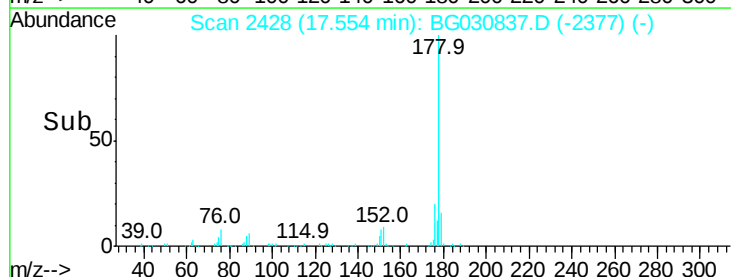
176 19.8 15.3 22.9

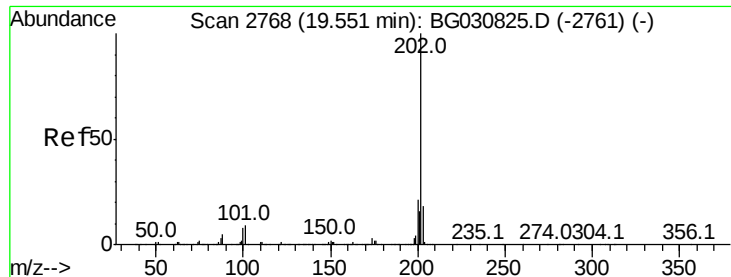


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#74

Fluoranthene

Concen: 3.581 ng/ul

RT: 19.55 min Scan# 2768

Delta R.T. 0.00 min

Lab File: BG030837.D

Acq: 8 Nov 2017 9:30

Instrument :

BNA_G

ClientSampled :

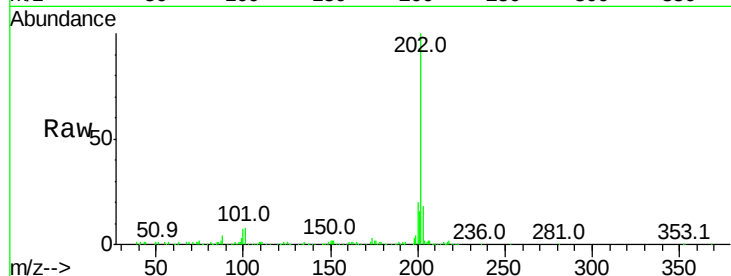
Tot Ion:202 Resp: 113576

Ion Ratio Lower Upper

202 100

101 8.2 7.4 11.2

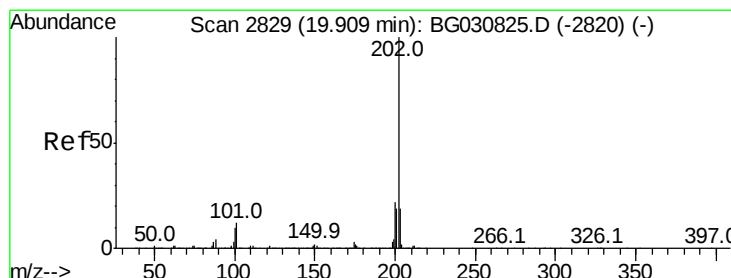
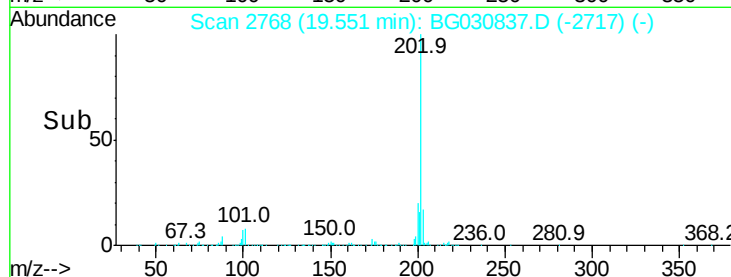
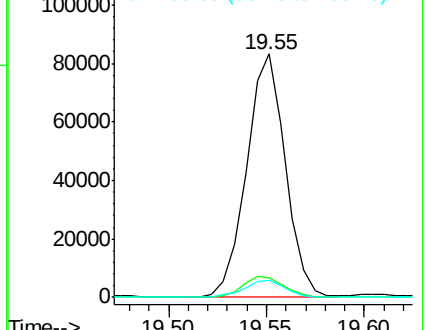
100 7.0 5.6 8.4



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: 4.633 ng/ul

RT: 19.91 min Scan# 2829

Delta R.T. 0.00 min

Lab File: BG030837.D

Acq: 8 Nov 2017 9:30

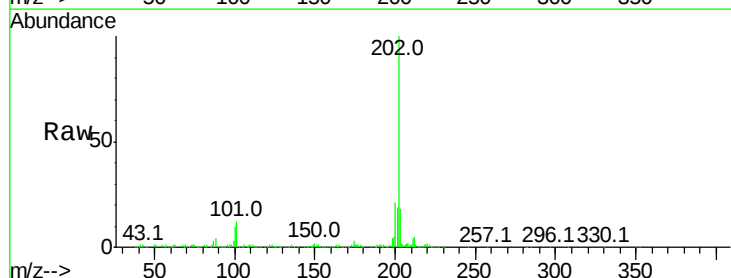
Tgt Ion:202 Resp: 170064

Ion Ratio Lower Upper

202 100

101 11.6 8.4 12.6

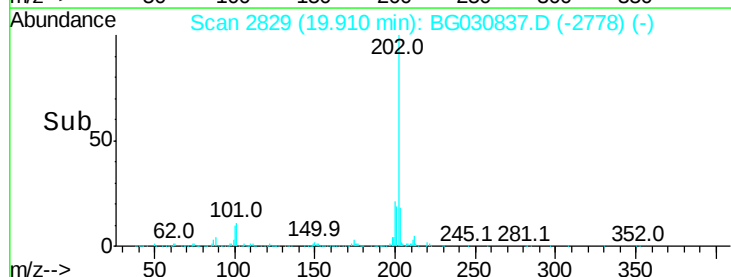
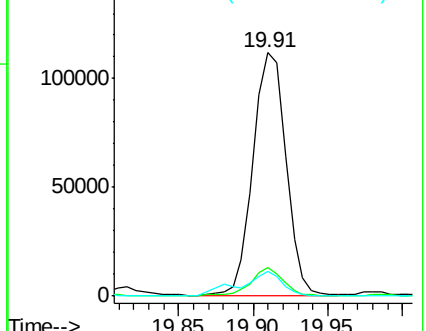
100 10.0 7.0 10.6

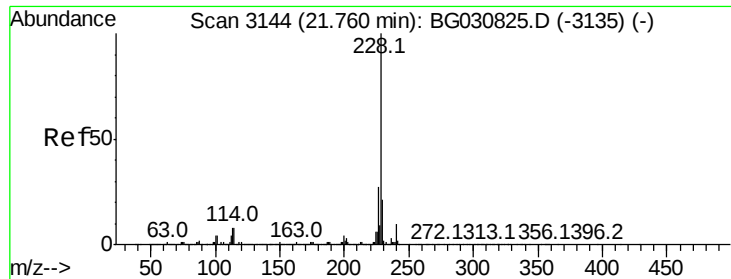


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#80

Benzo(a)anthracene

Concen: 2.406 ng/ul

RT: 21.76 min Scan# 3144

Delta R.T. 0.00 min

Lab File: BG030837.D

Acq: 8 Nov 2017 9:30

Instrument :

BNA_G

ClientSampleId :

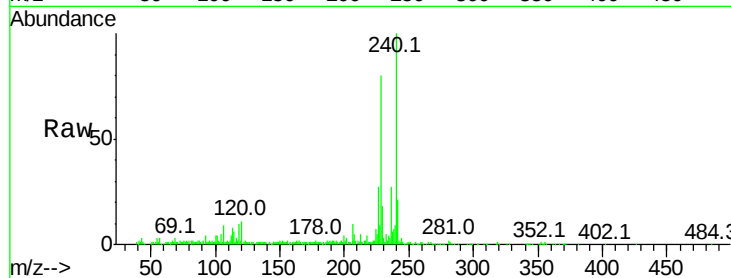
Tot Ion:228 Resp: 82582

Ion Ratio Lower Upper

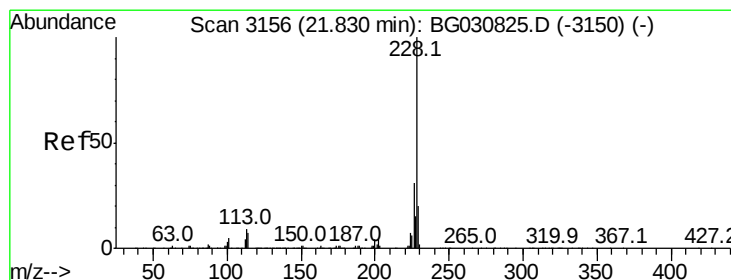
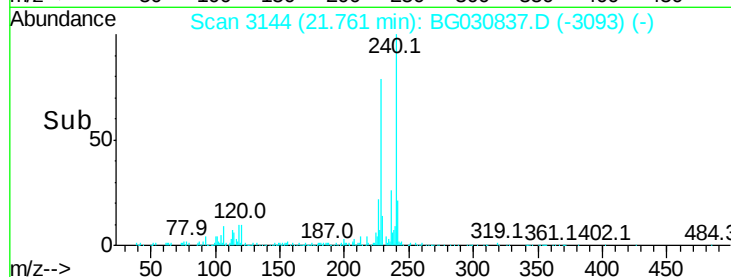
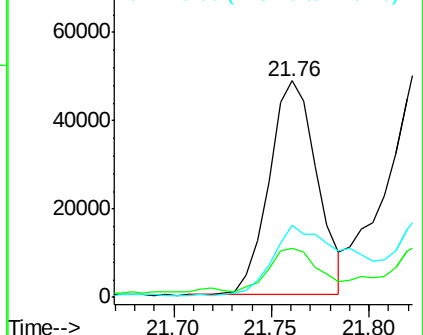
228 100

229 22.8 16.2 24.4

226 33.2 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: 3.645 ng/ul

RT: 21.83 min Scan# 3156

Delta R.T. 0.00 min

Lab File: BG030837.D

Acq: 8 Nov 2017 9:30

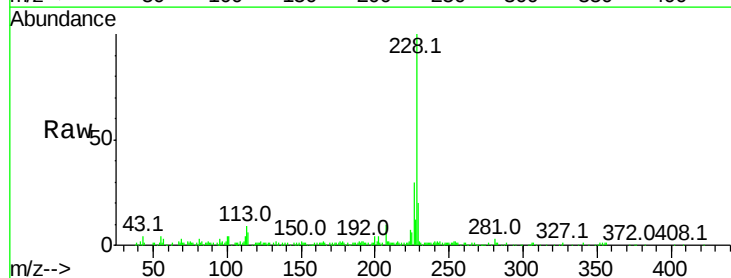
Tgt Ion:228 Resp: 113684

Ion Ratio Lower Upper

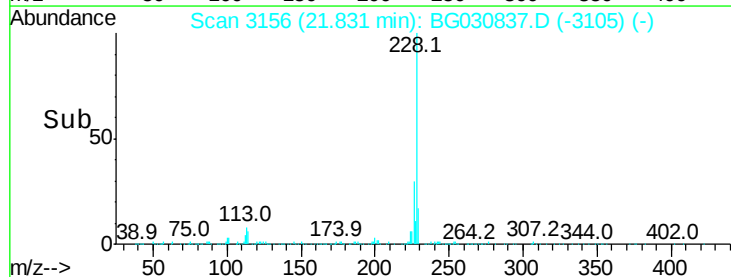
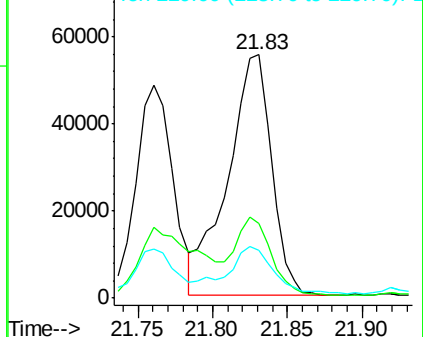
228 100

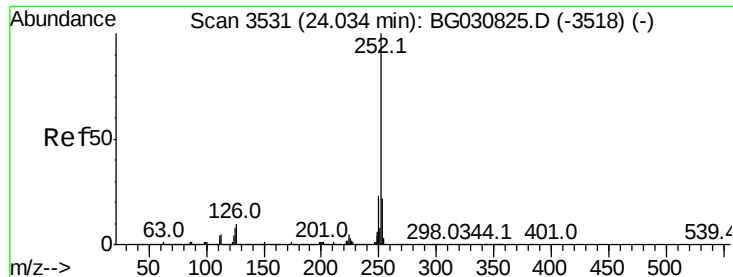
226 30.5 24.2 36.2

229 19.7 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: 3.174 ng/ul

RT: 24.04 min Scan# 3532

Delta R.T. 0.01 min

Lab File: BG030837.D

Acq: 8 Nov 2017 9:30

Instrument :

BNA_G

ClientSampleId :

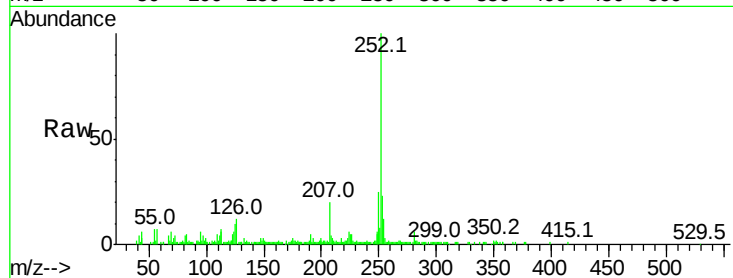
Tot Ion:252 Resp: 107100

Ion Ratio Lower Upper

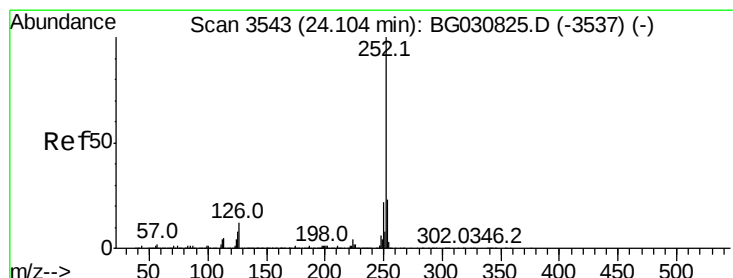
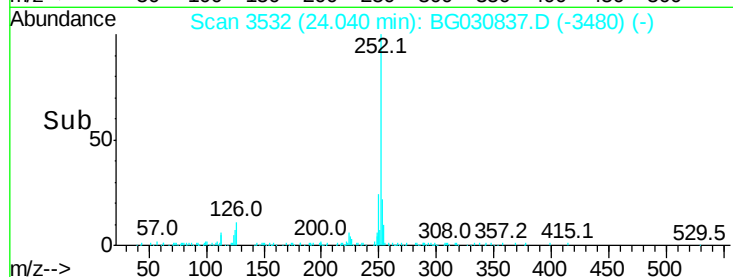
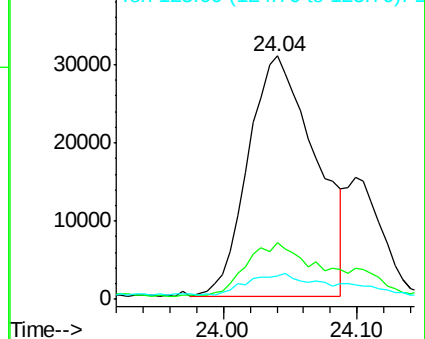
252 100

253 23.2 17.0 25.4

125 9.8 7.5 11.3



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: 3.283 ng/ul

RT: 24.04 min Scan# 3532

Delta R.T. -0.06 min

Lab File: BG030837.D

Acq: 8 Nov 2017 9:30

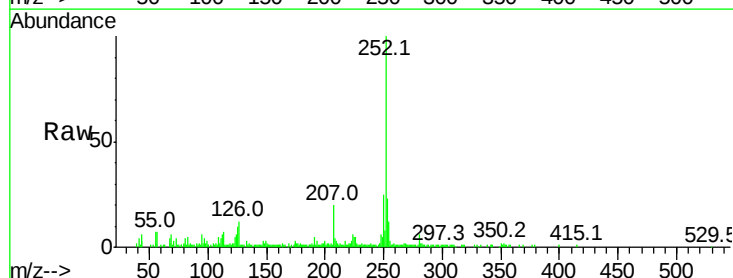
Tgt Ion:252 Resp: 107100

Ion Ratio Lower Upper

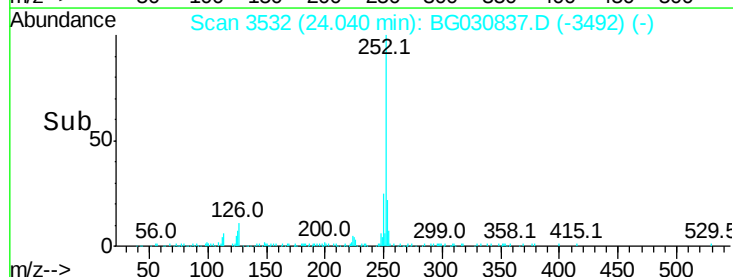
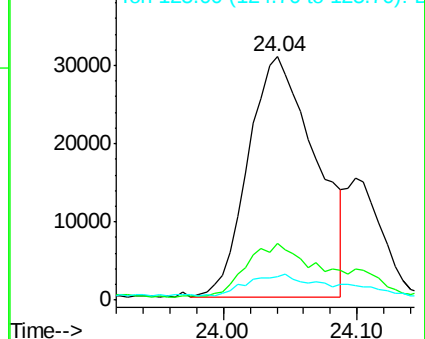
252 100

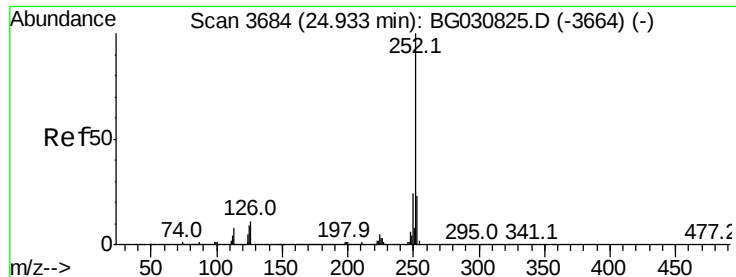
253 23.2 17.2 25.8

125 9.8 7.8 11.8



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





#88

Benzo(a)pyrene

Concen: 2.520 ng/ul

RT: 24.93 min Scan# 3684

Delta R.T. 0.00 min

Lab File: BG030837.D

Acq: 8 Nov 2017 9:30

Instrument :

BNA_G

ClientSampleId :

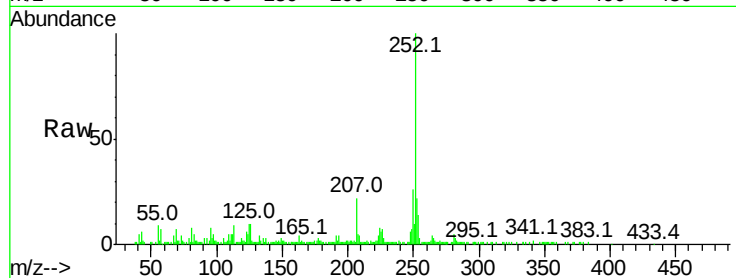
Tot Ion:252 Resp: 82752

Ion Ratio Lower Upper

252 100

253 22.2 17.1 25.7

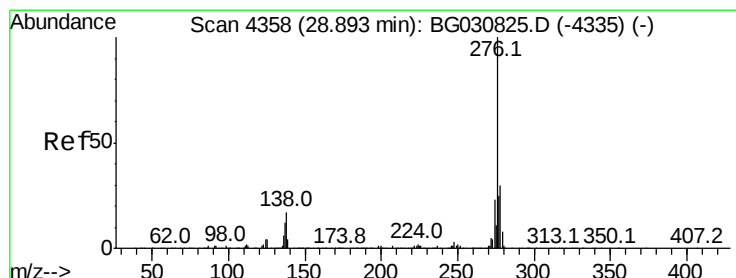
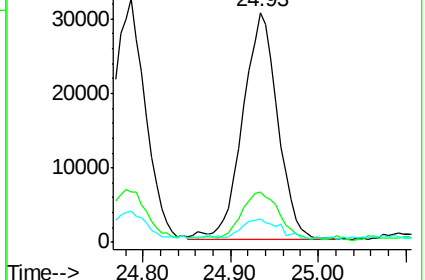
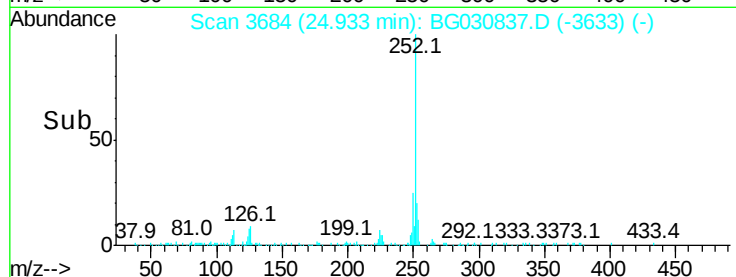
125 10.0 7.8 11.8



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



#89

Indeno(1,2,3-cd)pyrene

Concen: 2.008 ng/ul

RT: 28.88 min Scan# 4355

Delta R.T. -0.02 min

Lab File: BG030837.D

Acq: 8 Nov 2017 9:30

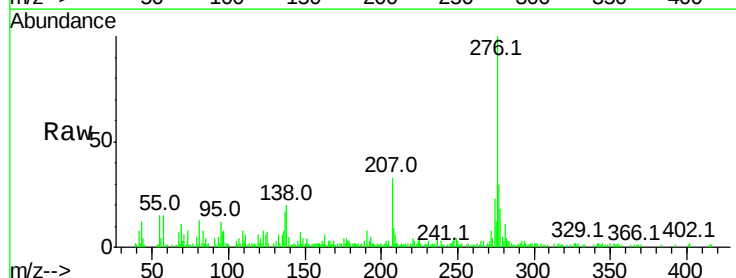
Tgt Ion:276 Resp: 74608

Ion Ratio Lower Upper

276 100

138 19.6 13.4 20.0

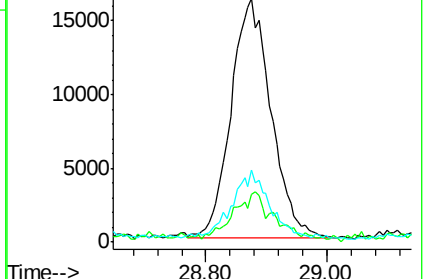
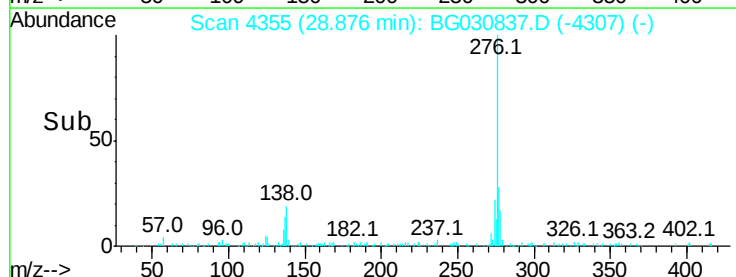
277 29.7 18.6 28.0#

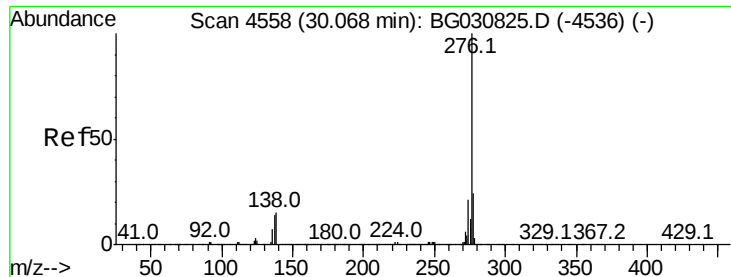


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#91

Benzo(a,h,i)perylene

Concen: 2.544 ng/ul

RT: 30.06 min Scan# 4557

Delta R.T. -0.01 min

Lab File: BG030837.D

Acq: 8 Nov 2017 9:30

Instrument :

BNA_G

ClientSampleId :

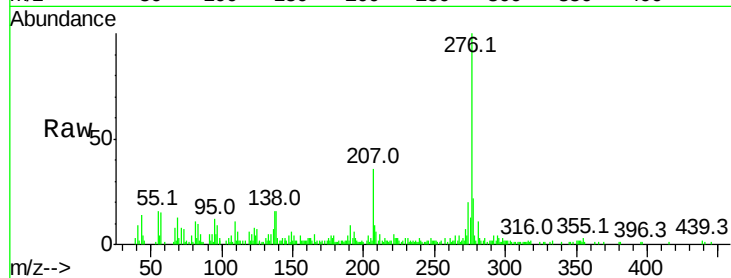
Tot Ion:276 Resp: 78351

Ion Ratio Lower Upper

276 100

138 15.8 12.1 18.1

277 21.6 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

