

Data File : BM010663.D
Acq On : 22 Jun 2017 17:09
Operator : SJ/JU
Sample : I3522-15DL 30X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
F5D31DL

Quant Time: Jun 23 01:05:51 2017
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM062017.M
Quant Title : SVOA CALIBRATION
QLast Update : Fri Jun 23 01:03:57 2017
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.46	152	50662	20.00	ng/ul	0.00
18) Naphthalene-d8	10.22	136	230753	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.12	164	159466	20.00	ng/ul	0.00
61) Phenanthrene-d10	16.87	188	403530	20.00	ng/ul	0.00
75) Chrysene-d12	21.08	240	499370	20.00	ng/ul	0.00
83) Perylene-d12	23.22	264	467304	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	0.00	96	0	0.00	ng/uL	
5) Phenol-d5	6.65	99	2695	0.56	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	6.82	67	1988	0.72	ng/ul	0.00
9) 2-Chlorophenol-d4	7.00	132	1907	0.56	ng/ul	0.00
13) 4-Methylphenol-d8	8.17	113	2138	0.53	ng/ul	0.00
19) Nitrobenzene-d5	8.60	128	917	0.56	ng/ul	0.00
22) 2-Nitrophenol-d4	9.33	143	636	0.34	ng/ul	0.01
26) 2,4-Dichlorophenol-d3	9.86	165	2287	0.57	ng/ul	0.00
29) 4-Chloroaniline-d4	10.37	131	3133	0.74	ng/ul	0.00
43) Dimethylphthalate-d6	13.53	166	10776	0.77	ng/ul	0.00
46) Acenaphthylene-d8	13.80	160	11713	0.72	ng/ul	0.00
51) 4-Nitrophenol-d4	0.00	143	0	0.00	ng/ul	
57) Fluorene-d10	15.12	176	10084	0.83	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	0.00	200	0	0.00	ng/ul	
70) Anthracene-d10	16.87	188	403530	20.71	ng/ul	-0.10
76) Pyrene-d10	19.27	212	19850	0.86	ng/ul	0.00
87) Benzo(a)pyrene-d12	23.09	264	18247	0.81	ng/ul	0.00

Target Compounds

						Qvalue
58) Fluorene	15.17	166	25374	1.91	ng/ul	98
69) Phenanthrene	16.91	178	112996	5.27	ng/ul	98
71) Anthracene	17.00	178	777908	35.20	ng/ul	99
72) Carbazole	17.27	167	257620	13.36	ng/ul	98
74) Fluoranthene	18.94	202	252044	9.12	ng/ul	99
77) Pyrene	19.30	202	229251	7.95	ng/ul#	97
80) Benzo(a)anthracene	21.06	228	131616	4.53	ng/ul	97
82) Chrysene	21.12	228	159265	6.14	ng/ul	95
85) Benzo(b)fluoranthene	22.59	252	258305	8.52	ng/ul	100
86) Benzo(k)fluoranthene	22.59	252	258305	8.98	ng/ul	98
88) Benzo(a)pyrene	23.13	252	114738	4.11	ng/ul#	94
89) Indeno(1,2,3-cd)pyrene	25.33	276	75985	2.62	ng/ul	98
91) Benzo(g,h,i)perylene	25.97	276	53213	2.31	ng/ul#	91

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

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F5D31DL

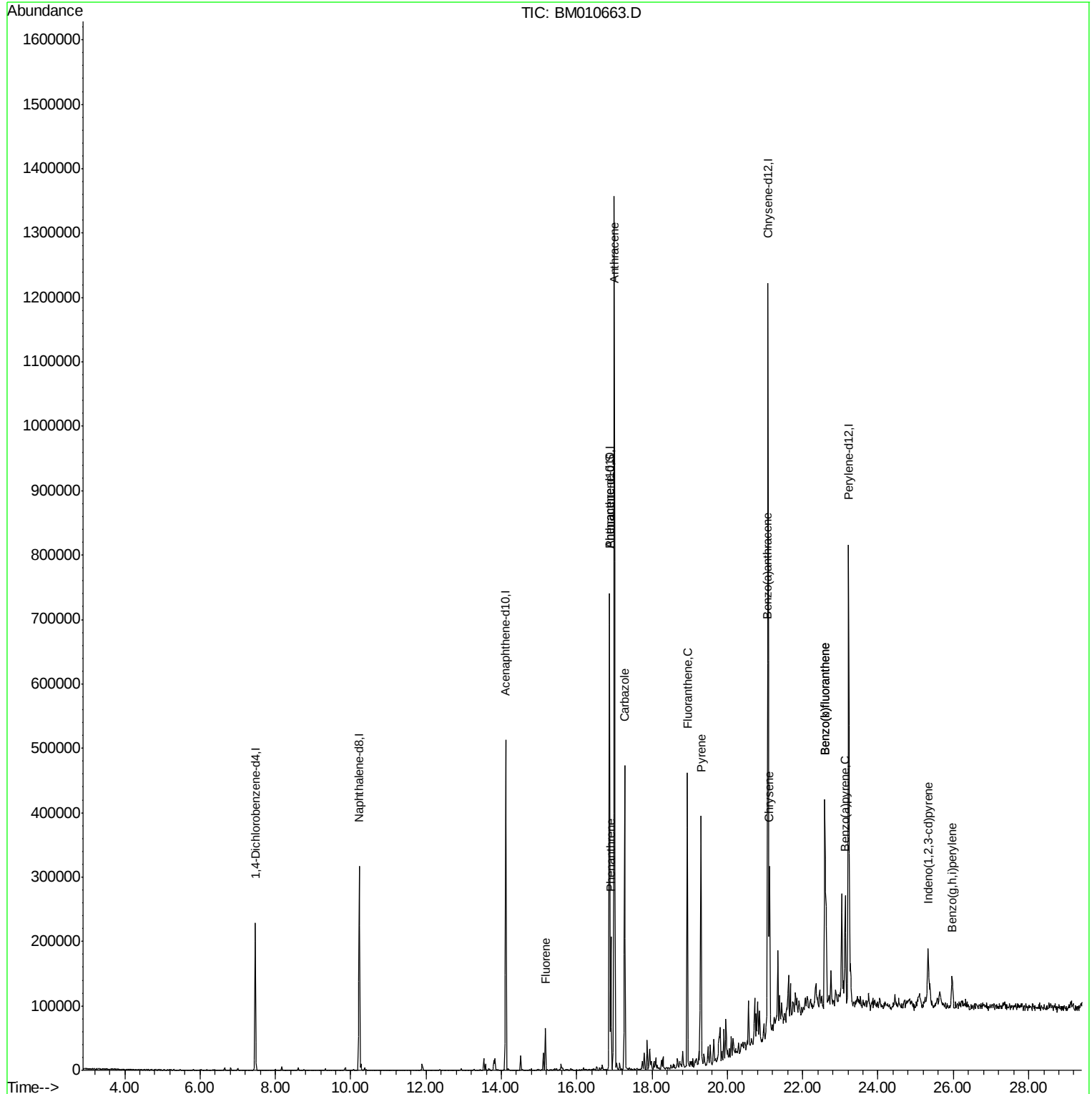
Quant Time: Jun 23 01:05:51 2017

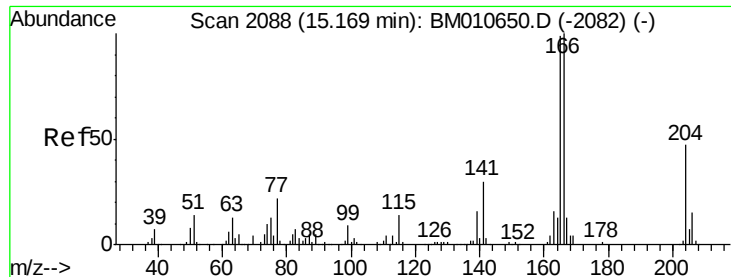
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM062017.M

Quant Title : SVOA CALIBRATION

QLast Update : Fri Jun 23 01:03:57 2017

Response via : Initial Calibration





#58

Fluorene

Concen: 1.91 ng/ul

RT: 15.17 min Scan# 2088

Delta R.T. -0.00 min

Lab File: BM010663.D

Acq: 22 Jun 2017 17:09

Instrument :

BNA_M

ClientSampleId :

F5D31DL

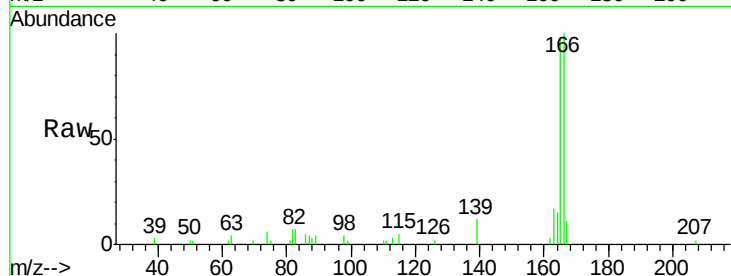
Tgt Ion:166 Resp: 25374

Ion Ratio Lower Upper

166 100

165 98.3 77.9 116.9

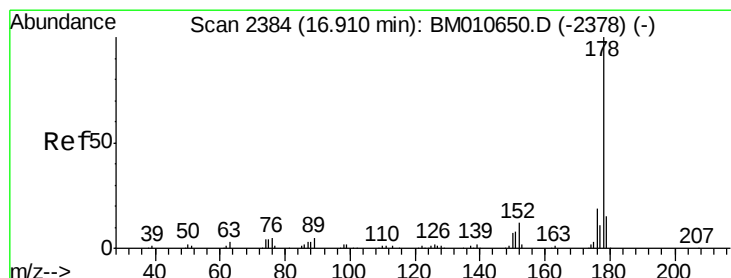
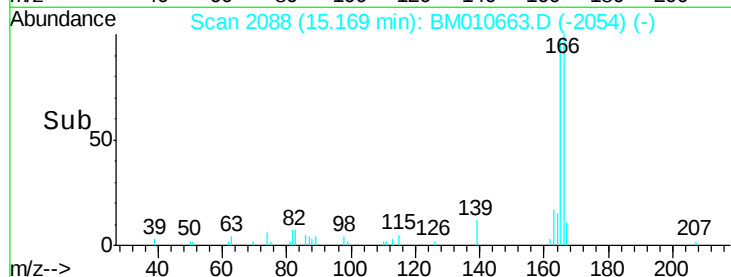
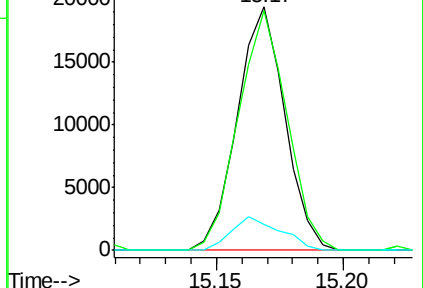
167 10.9 10.6 16.0



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



#69

Phenanthrene

Concen: 5.27 ng/ul

RT: 16.91 min Scan# 2384

Delta R.T. -0.00 min

Lab File: BM010663.D

Acq: 22 Jun 2017 17:09

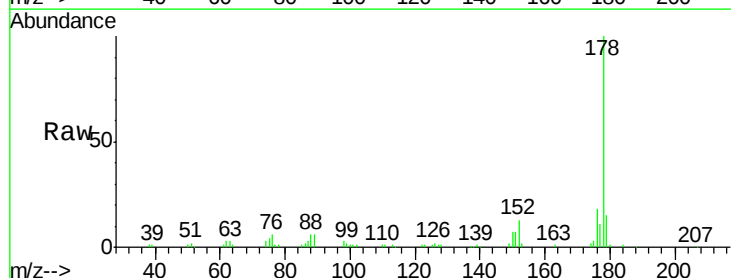
Tgt Ion:178 Resp: 112996

Ion Ratio Lower Upper

178 100

179 14.7 12.6 19.0

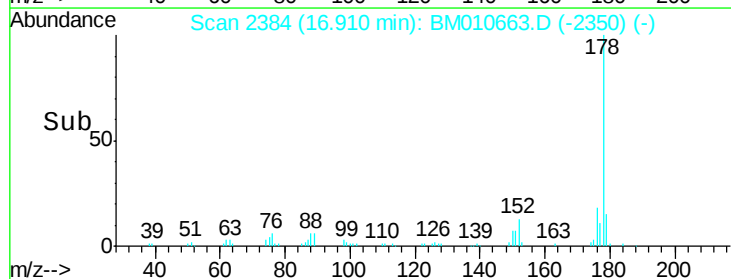
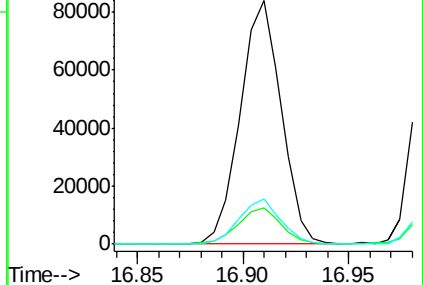
176 18.4 14.9 22.3

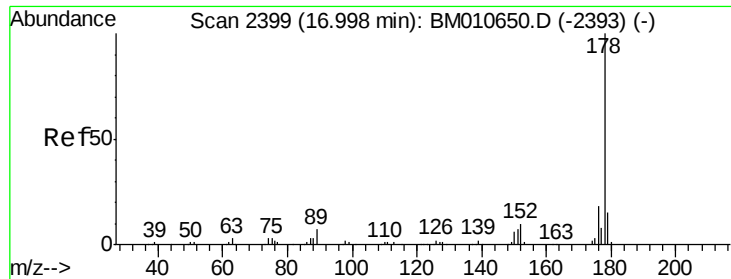


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E

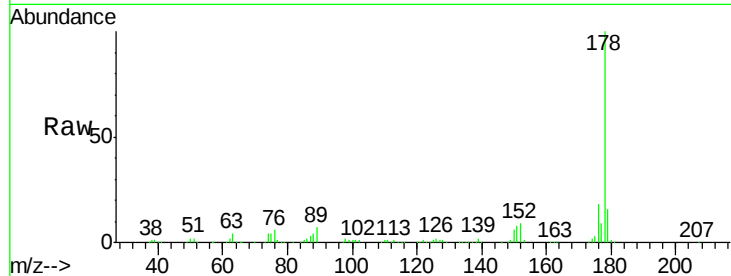




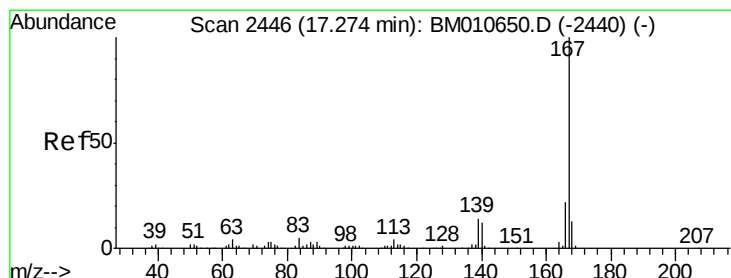
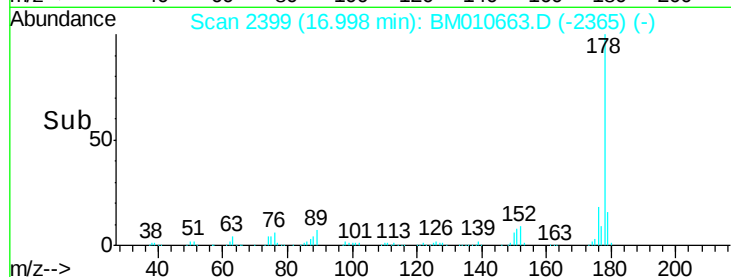
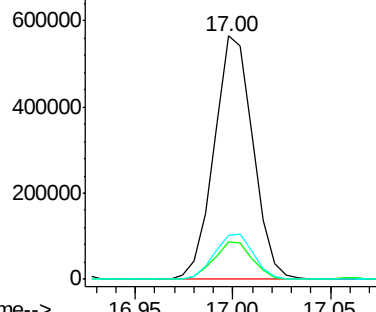
#71
 Anthracene
 Concen: 35.20 ng/ul
 RT: 17.00 min Scan# 2399
 Delta R.T. -0.00 min
 Lab File: BM010663.D
 Acq: 22 Jun 2017 17:09

Instrument :
 BNA_M
 ClientSampleId :
 F5D31DL

Tgt Ion:178 Resp: 777908
 Ion Ratio Lower Upper
 178 100
 179 15.6 11.7 17.5
 176 18.2 14.6 21.8

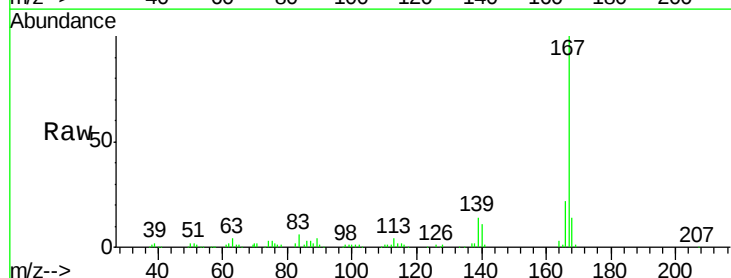


Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 179.00 (178.70 to 179.70): E
 Ion 176.00 (175.70 to 176.70): E

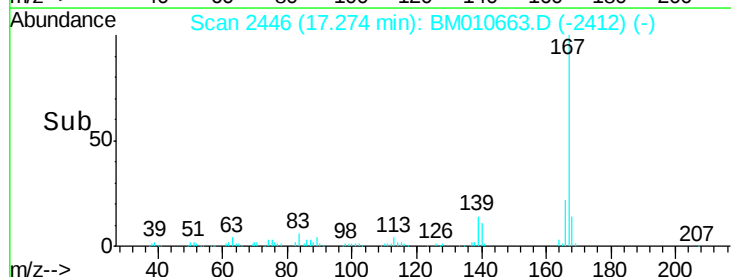
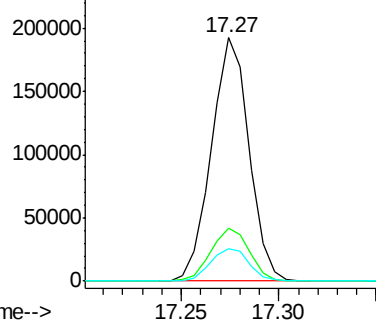


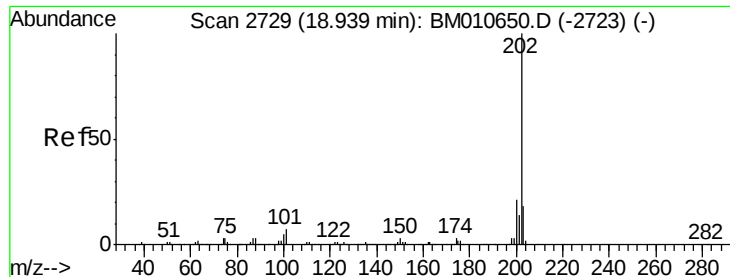
#72
 Carbazole
 Concen: 13.36 ng/ul
 RT: 17.27 min Scan# 2446
 Delta R.T. -0.00 min
 Lab File: BM010663.D
 Acq: 22 Jun 2017 17:09

Tgt Ion:167 Resp: 257620
 Ion Ratio Lower Upper
 167 100
 166 21.9 17.1 25.7
 139 13.5 10.0 15.0



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

Fluoranthene

Concen: 9.12 ng/ul

RT: 18.94 min Scan# 2729

Delta R.T. -0.00 min

Lab File: BM010663.D

Acq: 22 Jun 2017 17:09

Instrument :

BNA_M

ClientSampleID :

F5D31DL

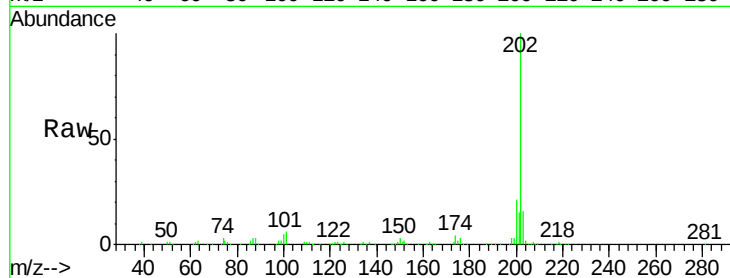
Tgt Ion:202 Resp: 252044

Ion Ratio Lower Upper

202 100

101 6.0 4.6 7.0

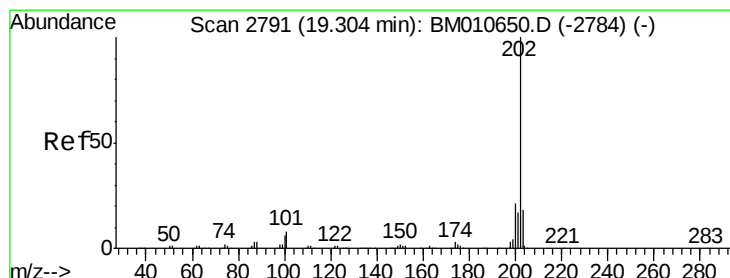
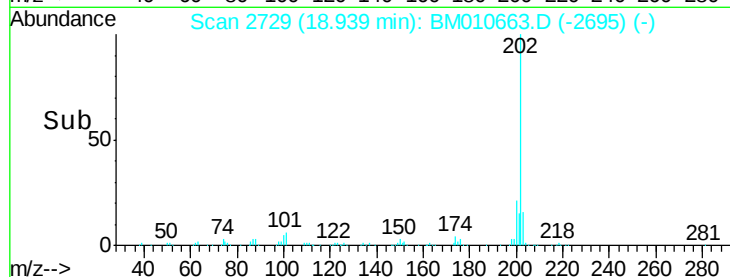
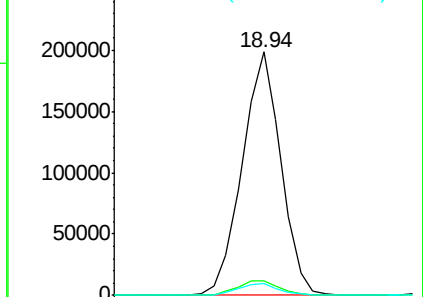
100 5.0 3.4 5.2



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: 7.95 ng/ul

RT: 19.30 min Scan# 2791

Delta R.T. -0.00 min

Lab File: BM010663.D

Acq: 22 Jun 2017 17:09

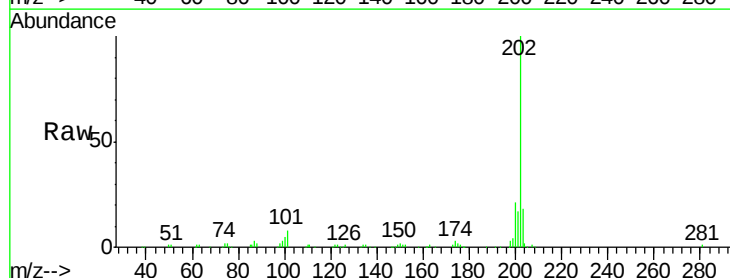
Tgt Ion:202 Resp: 229251

Ion Ratio Lower Upper

202 100

101 8.0 5.1 7.7#

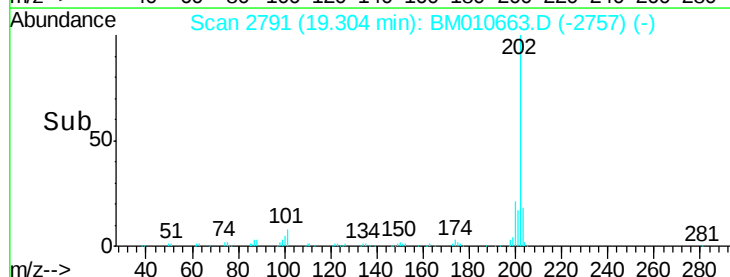
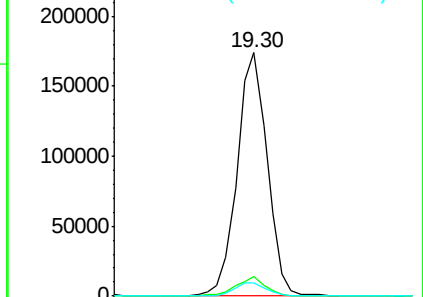
100 5.4 4.9 7.3

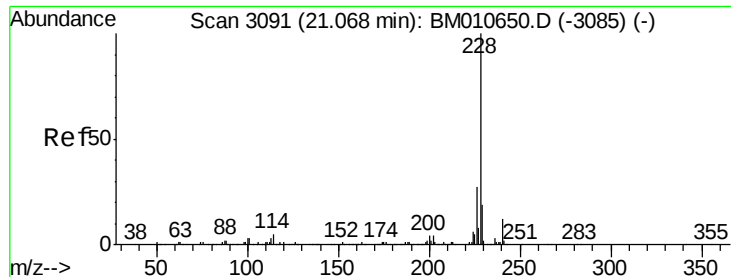


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B

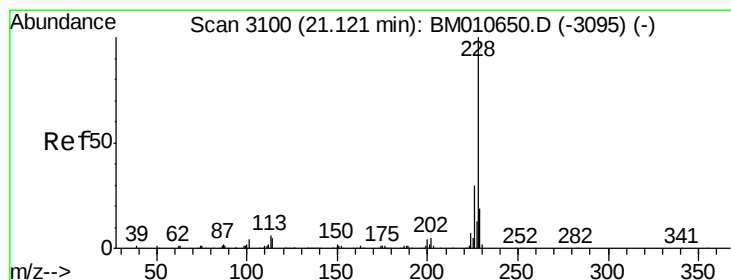
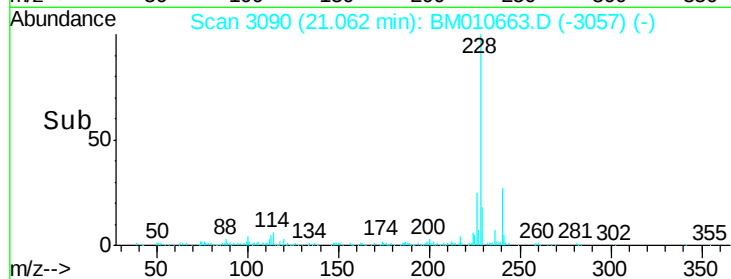
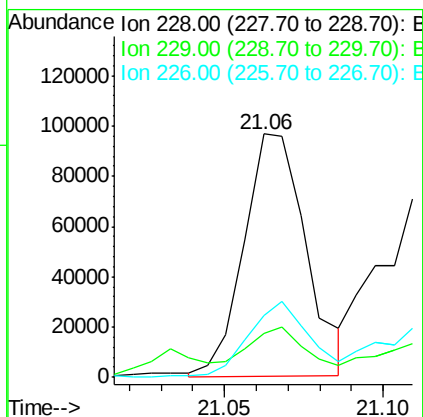
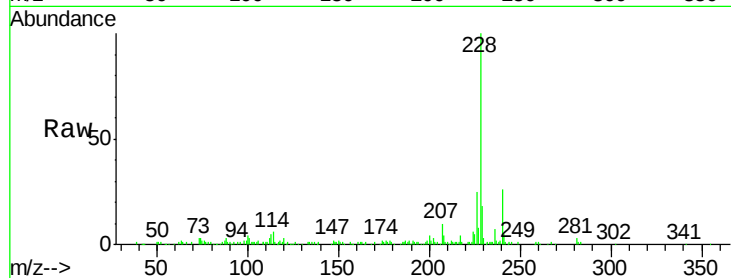




#80
Benzo(a)anthracene
Concen: 4.53 ng/ul
RT: 21.06 min Scan# 3090
Delta R.T. -0.01 min
Lab File: BM010663.D
Acq: 22 Jun 2017 17:09

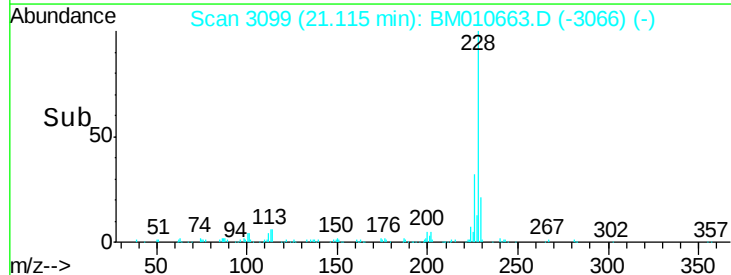
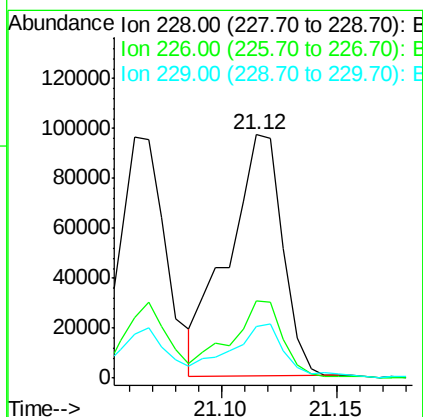
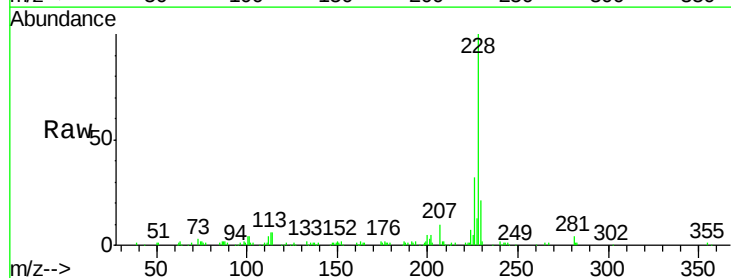
Instrument :
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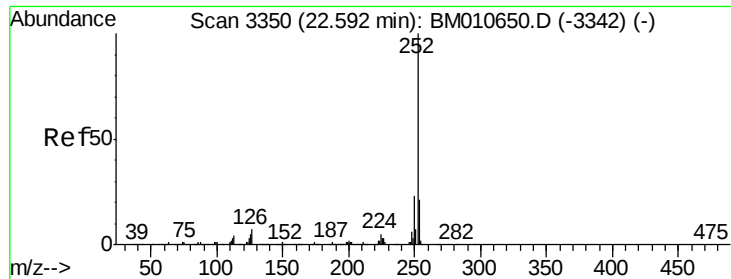
Tgt Ion	Ratio	Lower	Upper
228	100		
229	18.2	15.4	23.0
226	25.2	21.4	32.0



#82
Chrysene
Concen: 6.14 ng/ul
RT: 21.12 min Scan# 3099
Delta R.T. -0.01 min
Lab File: BM010663.D
Acq: 22 Jun 2017 17:09

Tgt Ion	Ratio	Lower	Upper
228	100		
226	32.0	23.4	35.2
229	21.2	15.5	23.3





#85

Benzo(b)fluoranthene

Concen: 8.52 ng/ul

RT: 22.59 min Scan# 3349

Delta R.T. -0.01 min

Lab File: BM010663.D

Acq: 22 Jun 2017 17:09

Instrument :

BNA_M

ClientSampleId :

F5D31DL

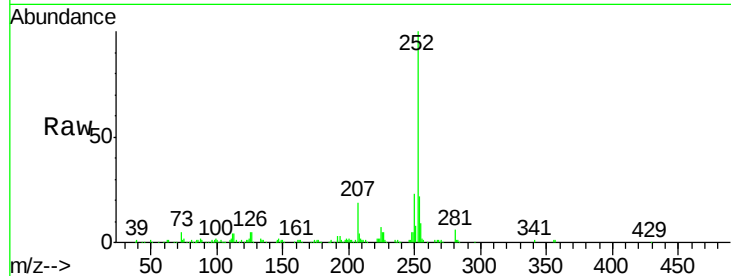
Tgt Ion:252 Resp: 258305

Ion Ratio Lower Upper

252 100

253 22.4 17.9 26.9

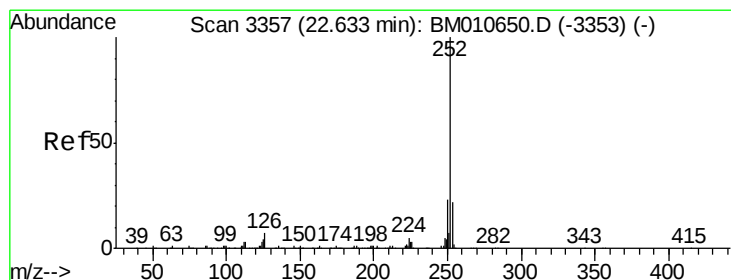
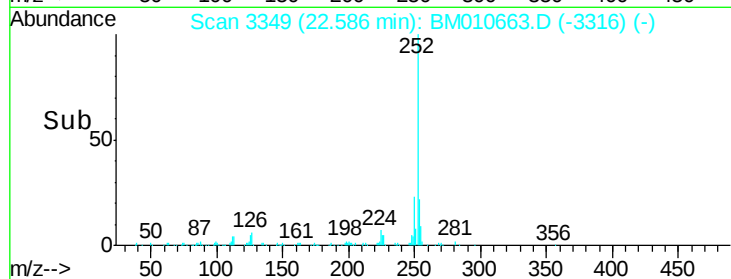
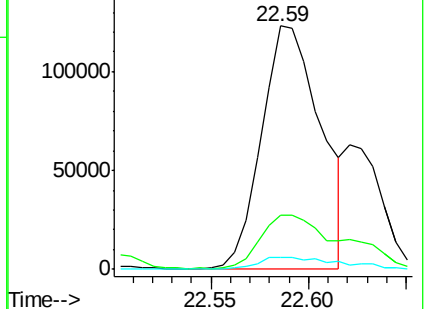
125 4.8 3.6 5.4



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: 8.98 ng/ul

RT: 22.59 min Scan# 3349

Delta R.T. -0.05 min

Lab File: BM010663.D

Acq: 22 Jun 2017 17:09

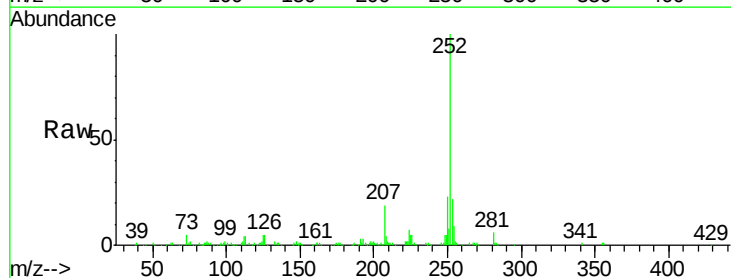
Tgt Ion:252 Resp: 258305

Ion Ratio Lower Upper

252 100

253 22.4 17.1 25.7

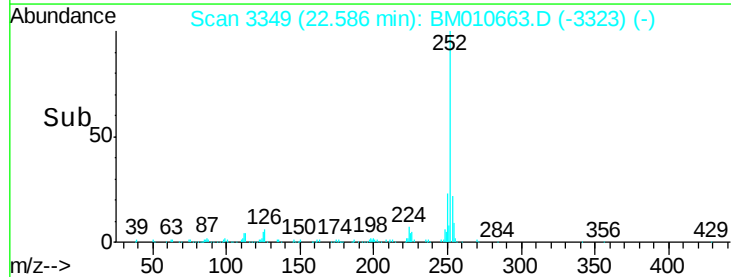
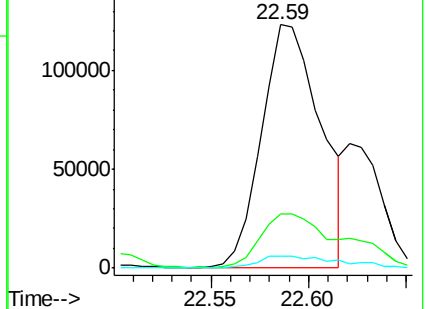
125 4.8 3.4 5.2

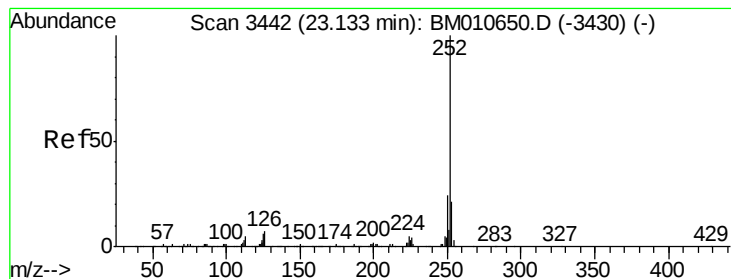


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#88

Benzo(a)pyrene

Concen: 4.11 ng/ul

RT: 23.13 min Scan# 3441

Delta R.T. -0.01 min

Lab File: BM010663.D

Acq: 22 Jun 2017 17:09

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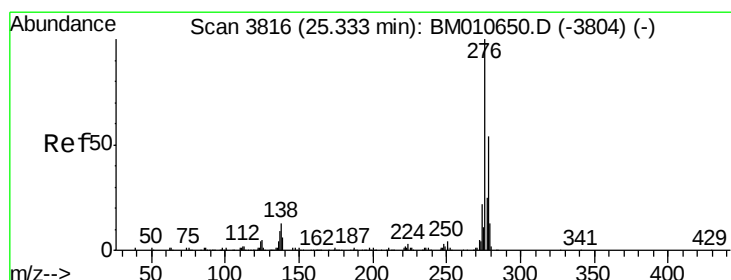
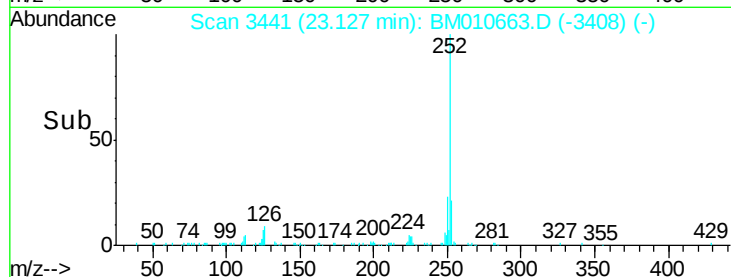
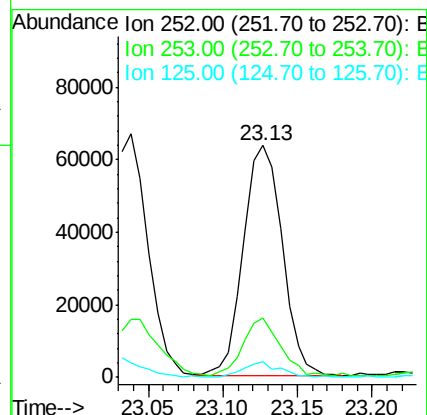
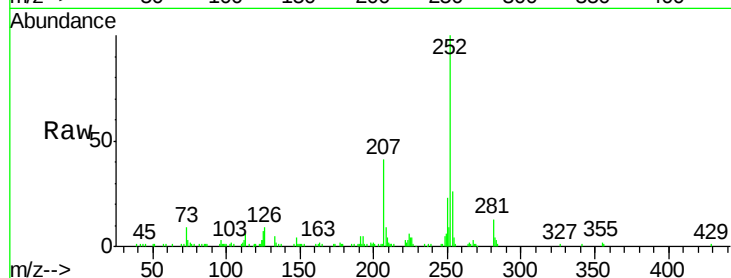
Tgt Ion:252 Resp: 114738

Ion Ratio Lower Upper

252 100

253 25.5 18.2 27.2

125 6.7 4.0 6.0#



#89

Indeno(1,2,3-cd)pyrene

Concen: 2.62 ng/ul

RT: 25.33 min Scan# 3815

Delta R.T. -0.01 min

Lab File: BM010663.D

Acq: 22 Jun 2017 17:09

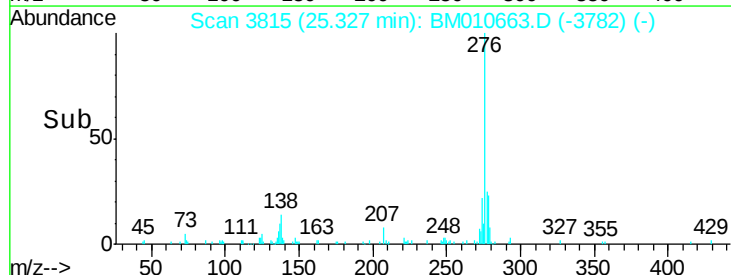
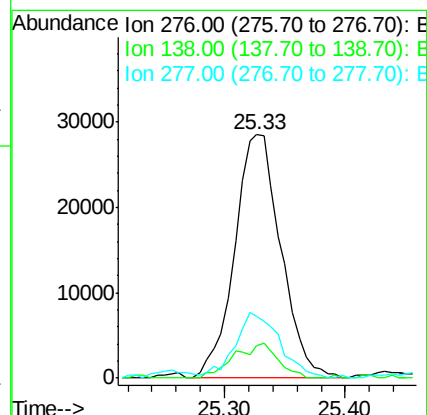
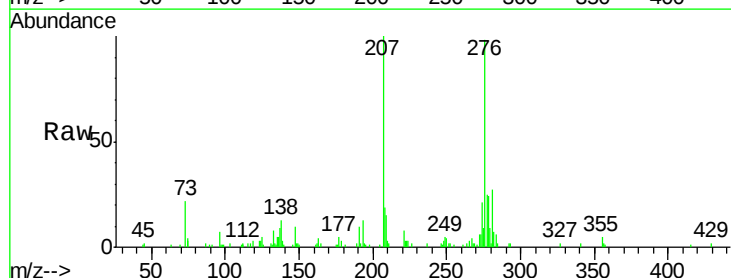
Tgt Ion:276 Resp: 75985

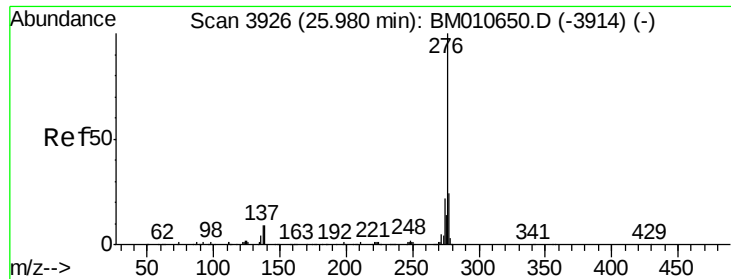
Ion Ratio Lower Upper

276 100

138 13.5 9.3 13.9

277 25.3 19.9 29.9





#91

Benzo(g,h,i)perylene

Concen: 2.31 ng/ul

RT: 25.97 min Scan# 3924

Delta R.T. -0.01 min

Lab File: BM010663.D

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BNA_M

ClientSampleId :

F5D31DL

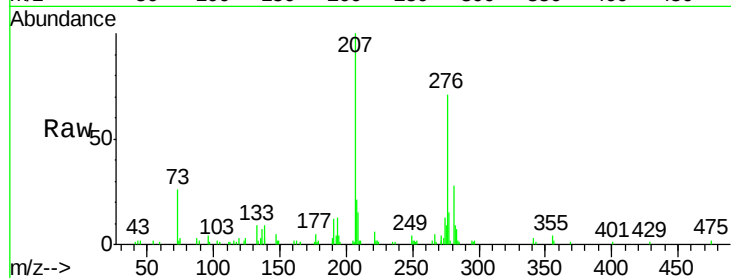
Tgt Ion: 276 Resp: 53213

Ion Ratio Lower Upper

276 100

138 16.6 8.5 12.7#

277 20.7 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

