

Data Path : Z:\HPCHEM1\BNA M\DATA\BM022618\
 Data File : BM014355.D
 Acq On : 26 Feb 2018 14:23
 Operator : SJ/JU
 Sample : J1646-14
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :

Quant Time: Feb 27 01:36:36 2018
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM021418.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Tue Feb 27 01:33:52 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.52	152	117626	20.00	ng/ul	0.00
18) Naphthalene-d8	10.29	136	529964	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.18	164	327083	20.00	ng/ul	0.00
61) Phenanthrene-d10	16.94	188	752200	20.00	ng/ul	0.00
75) Chrysene-d12	21.15	240	669765	20.00	ng/ul	0.00
83) Perylene-d12	23.32	264	535039	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.10	96	19977	7.27	ng/uL	0.00
5) Phenol-d5	6.72	99	395345	39.77	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	6.88	67	254561	42.30	ng/ul	0.00
9) 2-Chlorophenol-d4	7.06	132	324513	42.57	ng/ul	0.00
13) 4-Methylphenol-d8	8.24	113	341904	39.30	ng/ul	0.00
19) Nitrobenzene-d5	8.68	128	167881	42.87	ng/ul	0.00
22) 2-Nitrophenol-d4	9.40	143	188347	46.46	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	9.93	165	346949	41.32	ng/ul	0.00
29) 4-Chloroaniline-d4	10.45	131	371779	44.95	ng/ul	0.00
43) Dimethylphthalate-d6	13.60	166	1231100	45.58	ng/ul	0.00
46) Acenaphthylene-d8	13.87	160	1561039	46.87	ng/ul	0.00
51) 4-Nitrophenol-d4	14.43	143	98190	26.33	ng/ul	0.00
57) Fluorene-d10	15.18	176	1068843	44.17	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.34	200	146227	32.41	ng/ul	0.00
70) Anthracene-d10	17.04	188	1617058	44.56	ng/ul	0.00
76) Pyrene-d10	19.34	212	1801407	52.15	ng/ul	0.00
87) Benzo(a)pyrene-d12	23.19	264	1176806	45.19	ng/ul	0.00

Target Compounds

				Ovalue	
6) Phenol	6.74	94	43708	4.190	ng/ul 95
28) Naphthalene	10.35	128	47433	1.743	ng/ul# 94
34) 2-Methylnaphthalene	11.97	142	33948	1.639	ng/ul 89
44) Dimethylphthalate	13.65	163	292888	10.996	ng/ul 97
49) Acenaphthene	14.25	153	86126	3.885	ng/ul 98
53) Dibenzofuran	14.59	168	68543	2.062	ng/ul 100
58) Fluorene	15.24	166	103623	3.611	ng/ul 95
64) N-Nitrosodiphenylamine	15.46	169	70015	3.239	ng/ul 98
69) Phenanthrene	16.98	178	1851131	42.713	ng/ul 99
71) Anthracene	17.07	178	374169	8.585	ng/ul 98
72) Carbazole	17.36	167	140056	3.822	ng/ul 97
74) Fluoranthene	19.01	202	2226687	43.004	ng/ul# 92
77) Pyrene	19.37	202	1907955	42.865	ng/ul# 92
80) Benzo(a)anthracene	21.13	228	785930	18.802	ng/ul 99
82) Chrysene	21.19	228	662024	16.978	ng/ul 97
85) Benzo(b)fluoranthene	22.67	252	671560	18.745	ng/ul# 97
86) Benzo(k)fluoranthene	22.72	252	212623	6.242	ng/ul# 95
88) Benzo(a)pyrene	23.23	252	474655	14.827	ng/ul# 97
89) Indeno(1,2,3-cd)pyrene	25.47	276	277727	8.940	ng/ul 97
90) Dibenzo(a,h)anthracene	25.47	278	71590	2.773	ng/ul# 93
91) Benzo(a,h,i)perylene	26.13	276	197856	7.862	ng/ul# 91

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Quant Title : SVOA CALIBRATION
QLast Update : Tue Feb 27 01:33:52 2018
Response via : Initial Calibration

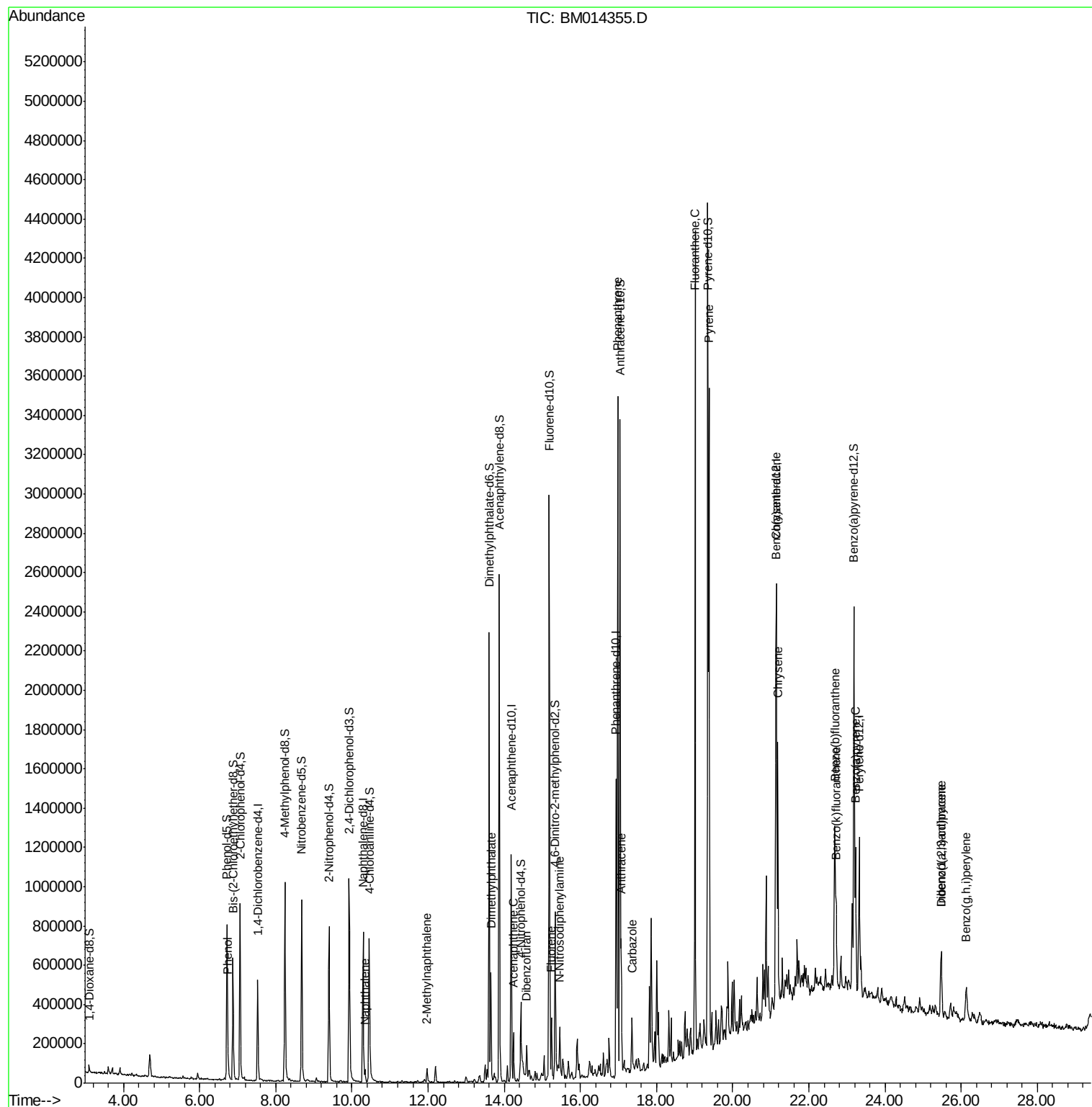
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

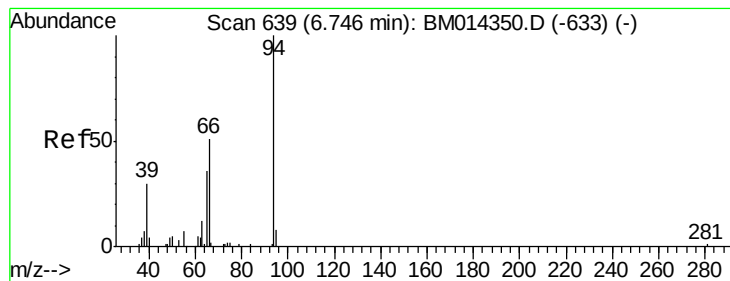
(#)= qualifier out of range (m)= manual integration (+)= signals summed						

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#6

Phenol

Concen: 4.190 ng/ul

RT: 6.74 min Scan# 638

Delta R.T. -0.01 min

Lab File: BM014355.D

Acq: 26 Feb 2018 14:23

Instrument :

BNA_M

ClientSampleId :

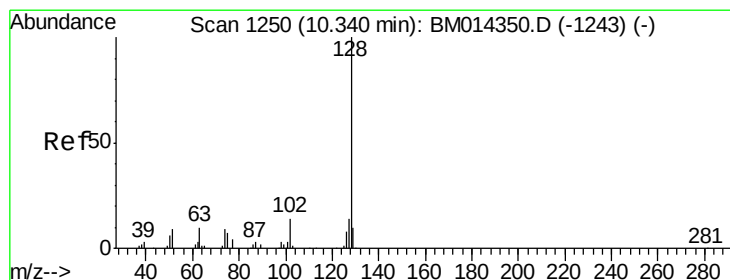
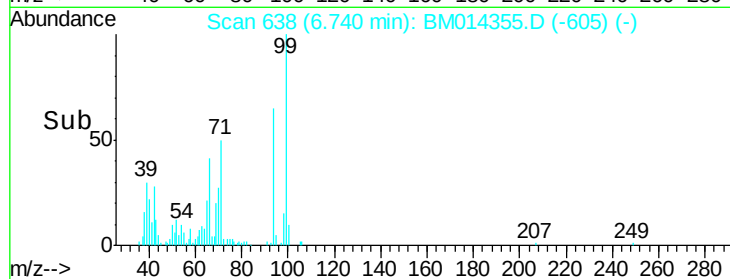
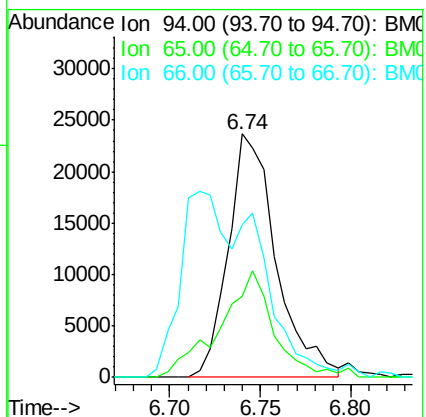
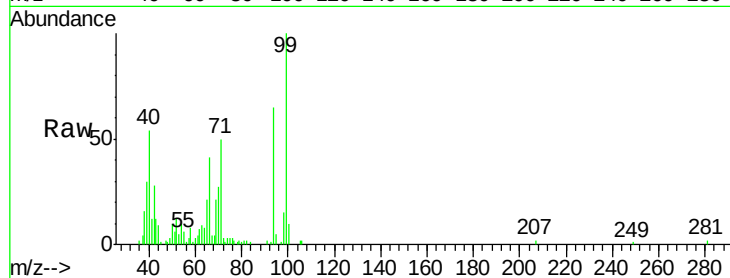
Tot Ion: 94 Resp: 43708

Ion Ratio Lower Upper

94 100

65 33.0 28.2 42.4

66 63.0 47.2 70.8



#28

Naphthalene

Concen: 1.743 ng/ul

RT: 10.35 min Scan# 1251

Delta R.T. 0.01 min

Lab File: BM014355.D

Acq: 26 Feb 2018 14:23

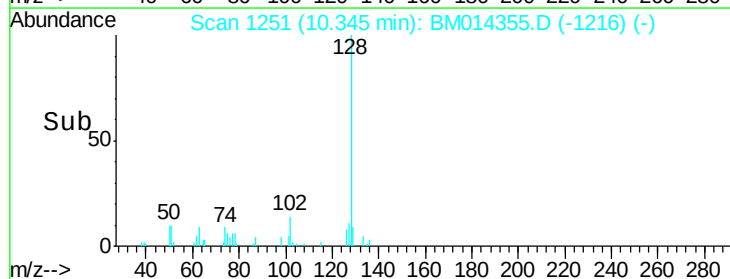
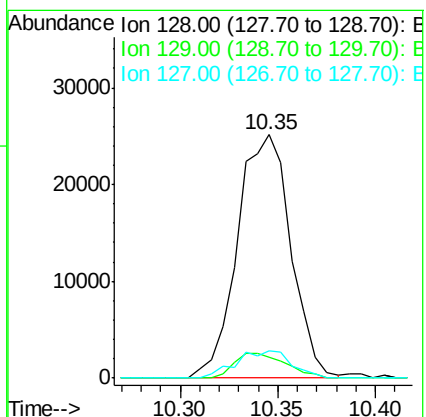
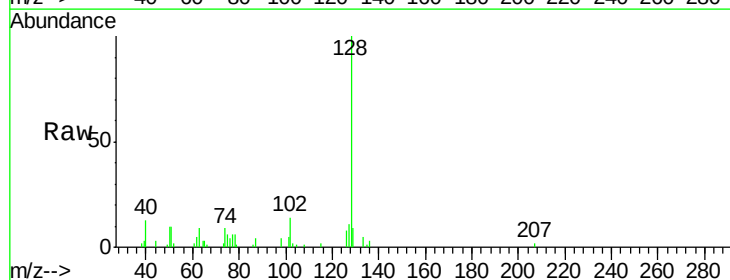
Tgt Ion: 128 Resp: 47433

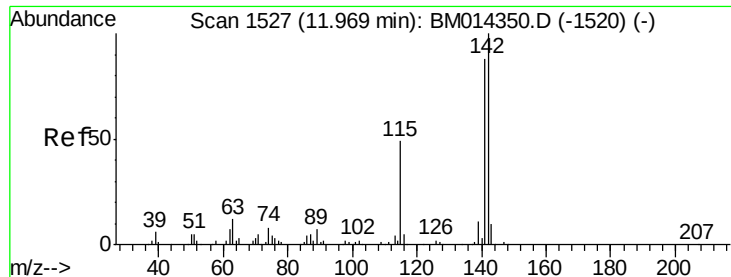
Ion Ratio Lower Upper

128 100

129 8.5 8.8 13.2#

127 11.1 10.6 16.0

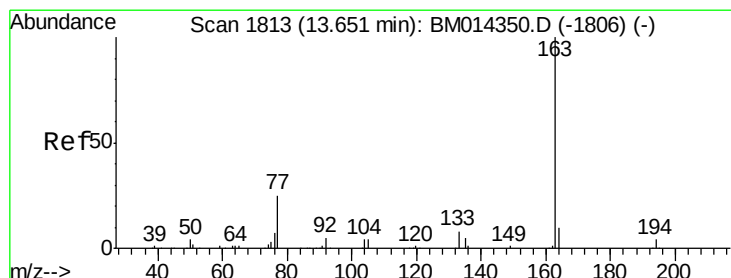
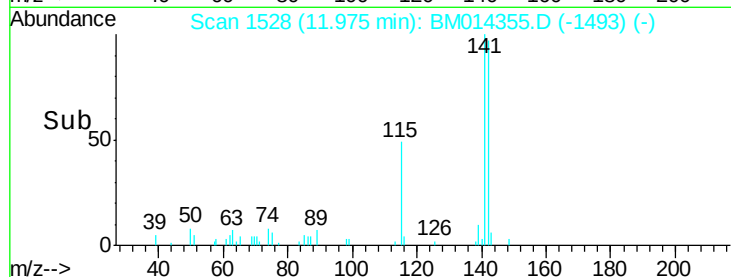
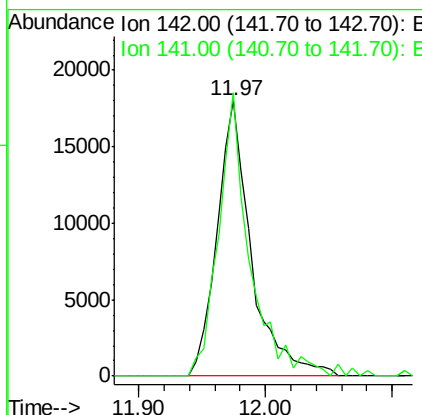
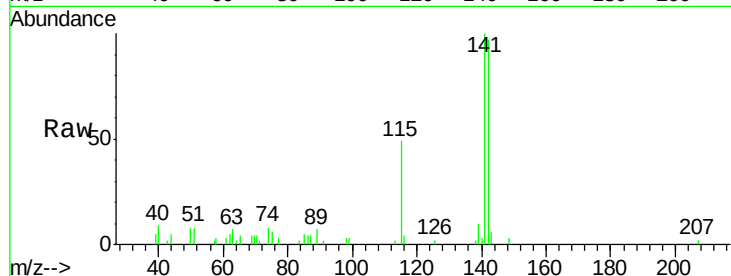




#34
2-Methylnaphthalene
Concen: 1.639 ng/ul
RT: 11.97 min Scan# 1528
Delta R.T. 0.01 min
Lab File: BM014355.D
Acq: 26 Feb 2018 14:23

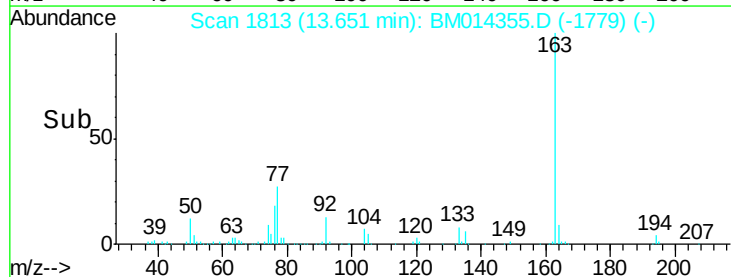
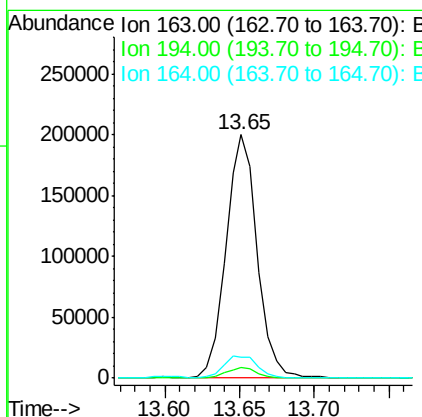
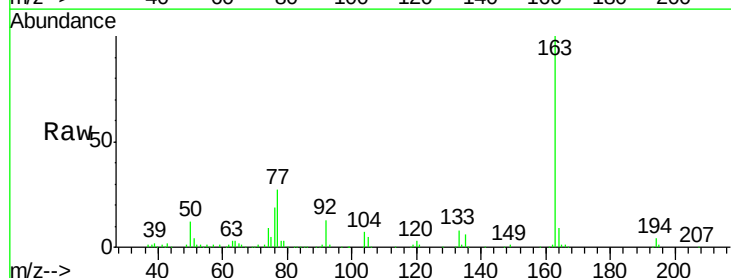
Instrument :
BNA_M
ClientSampleId :

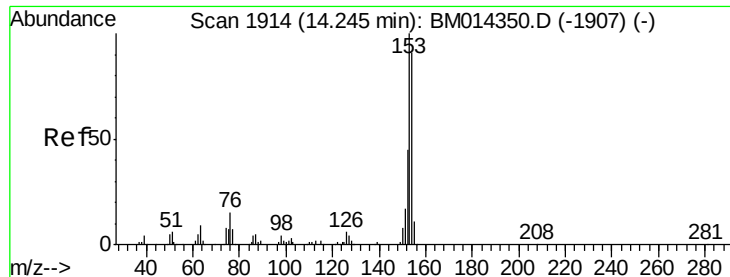
Tot Ion:142 Resp: 33948
Ion Ratio Lower Upper
142 100
141 102.9 74.1 111.1



#44
Dimethylphthalate
Concen: 10.996 ng/ul
RT: 13.65 min Scan# 1813
Delta R.T. -0.00 min
Lab File: BM014355.D
Acq: 26 Feb 2018 14:23

Tgt Ion:163 Resp: 292888
Ion Ratio Lower Upper
163 100
194 4.1 3.5 5.3
164 8.8 8.2 12.4





#49

Acenaphthene

Concen: 3.885 ng/ul

RT: 14.25 min Scan# 1914

Delta R.T. -0.00 min

Lab File: BM014355.D

Acq: 26 Feb 2018 14:23

Instrument :

BNA_M

ClientSampleId :

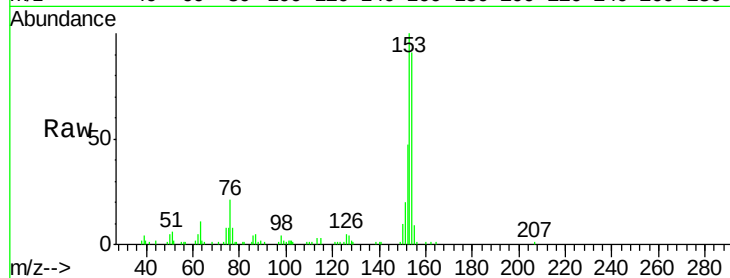
Tot Ion:153 Resp: 86126

Ion Ratio Lower Upper

153 100

152 47.3 37.6 56.4

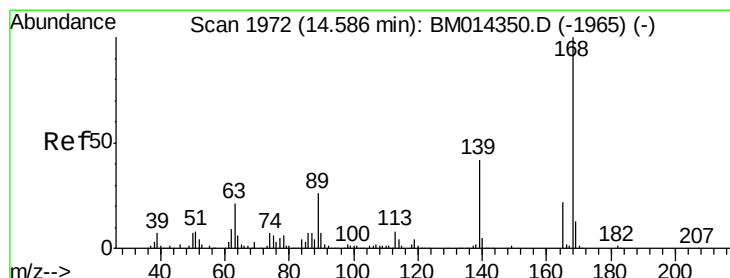
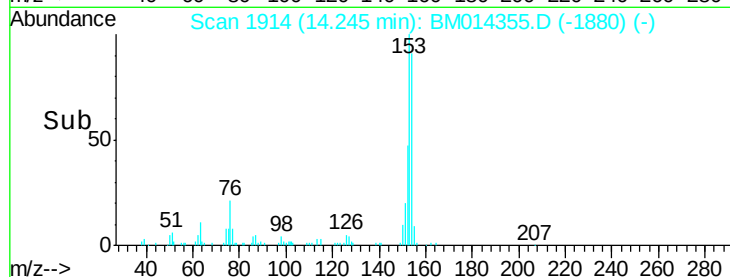
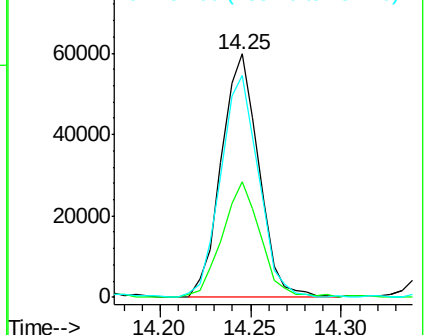
154 91.0 70.4 105.6



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: 2.062 ng/ul

RT: 14.59 min Scan# 1973

Delta R.T. 0.01 min

Lab File: BM014355.D

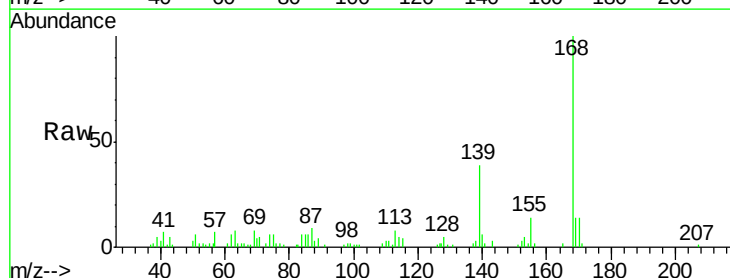
Acq: 26 Feb 2018 14:23

Tgt Ion:168 Resp: 68543

Ion Ratio Lower Upper

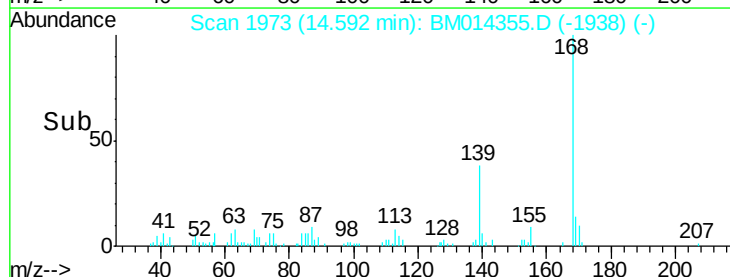
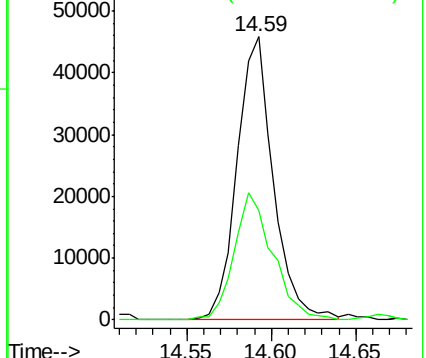
168 100

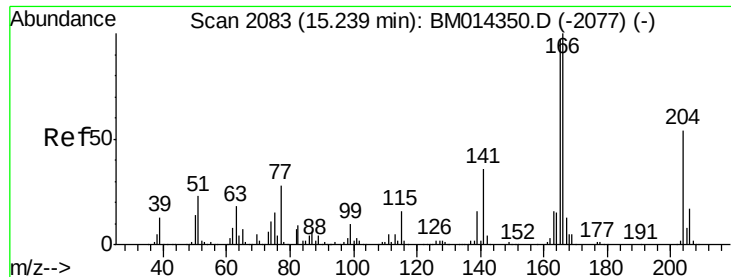
139 38.5 30.8 46.2



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E





#58

Fluorene

Concen: 3.611 ng/ul

RT: 15.24 min Scan# 2083

Delta R.T. -0.00 min

Lab File: BM014355.D

Acq: 26 Feb 2018 14:23

Instrument :

BNA_M

ClientSampleId :

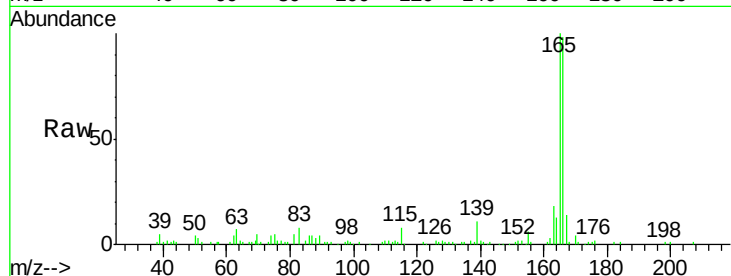
Tot Ion:166 Resp: 103623

Ion Ratio Lower Upper

166 100

165 102.1 77.9 116.9

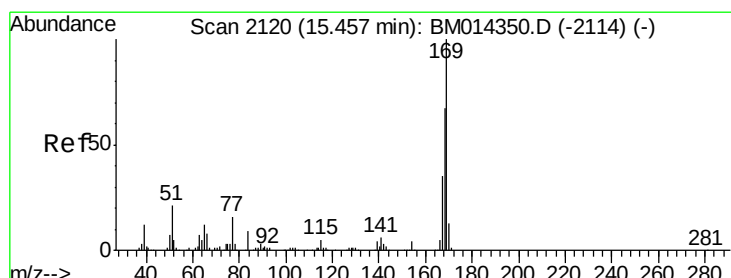
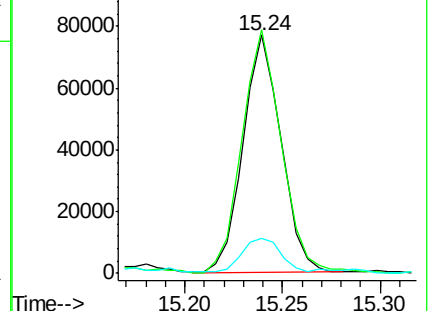
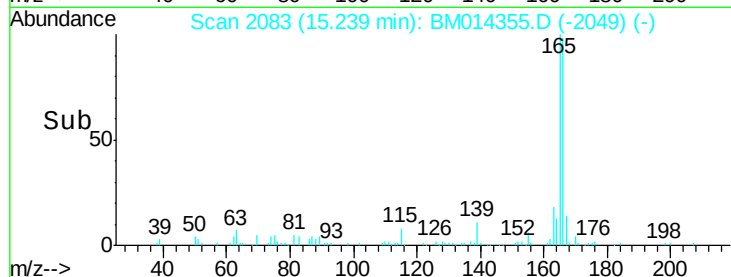
167 14.7 10.6 16.0



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



#64

N-Nitrosodiphenylamine

Concen: 3.239 ng/ul

RT: 15.46 min Scan# 2120

Delta R.T. -0.00 min

Lab File: BM014355.D

Acq: 26 Feb 2018 14:23

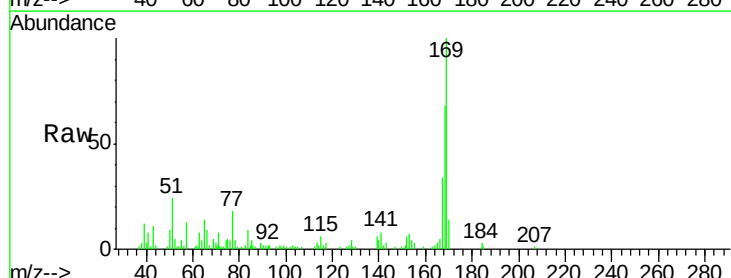
Tgt Ion:169 Resp: 70015

Ion Ratio Lower Upper

169 100

168 67.8 54.0 81.0

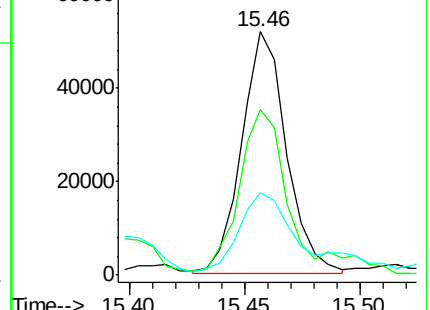
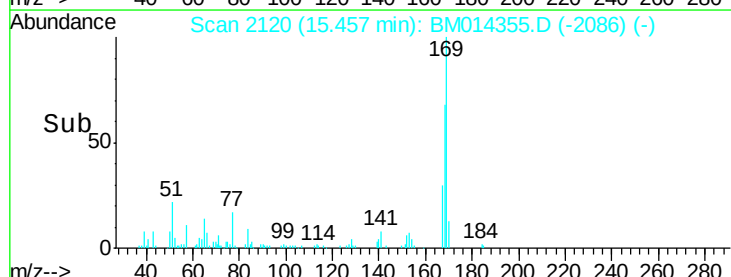
167 33.7 29.1 43.7

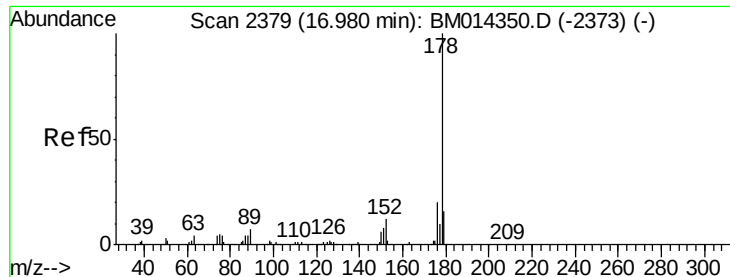


Abundance Ion 169.00 (168.70 to 169.70): E

Ion 168.00 (167.70 to 168.70): E

Ion 167.00 (166.70 to 167.70): E





#69

Phenanthrene

Concen: 42.713 ng/ul

RT: 16.98 min Scan# 2379

Delta R.T. -0.00 min

Lab File: BM014355.D

Acq: 26 Feb 2018 14:23

Instrument :

BNA_M

ClientSampleId :

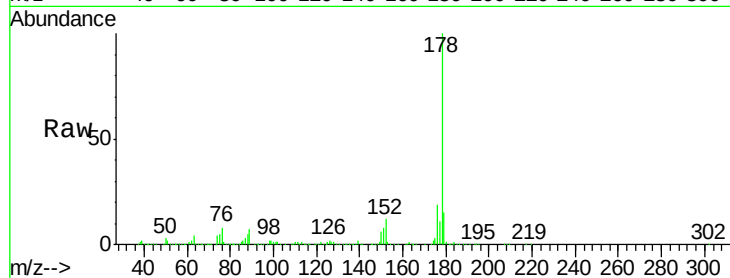
Tot Ion:178 Resp: 1851131

Ion Ratio Lower Upper

178 100

179 14.8 12.6 19.0

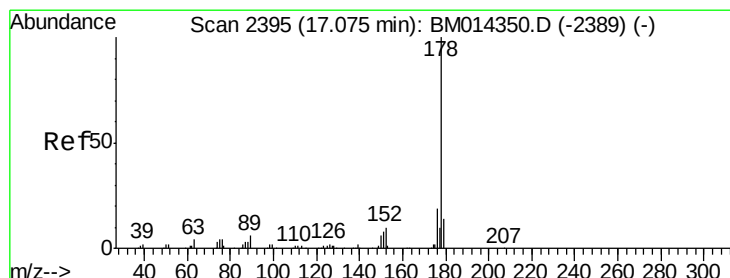
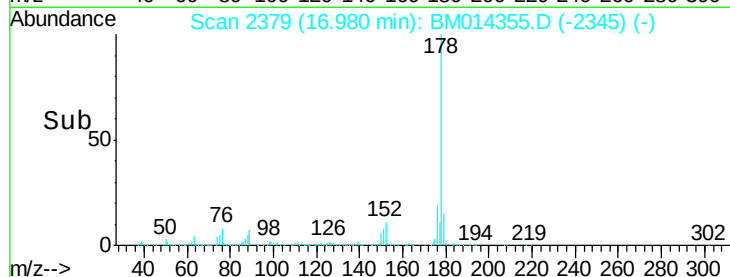
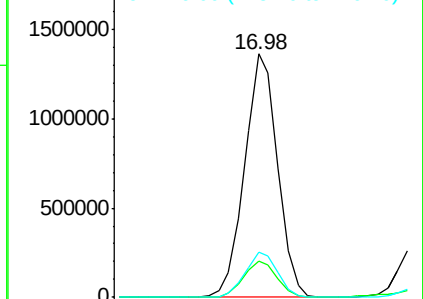
176 18.6 14.9 22.3



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: 8.585 ng/ul

RT: 17.07 min Scan# 2395

Delta R.T. -0.00 min

Lab File: BM014355.D

Acq: 26 Feb 2018 14:23

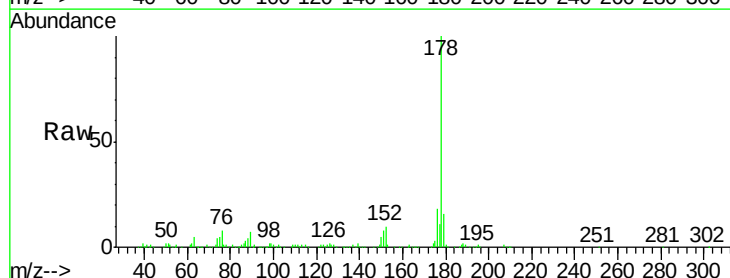
Tgt Ion:178 Resp: 374169

Ion Ratio Lower Upper

178 100

179 15.9 11.7 17.5

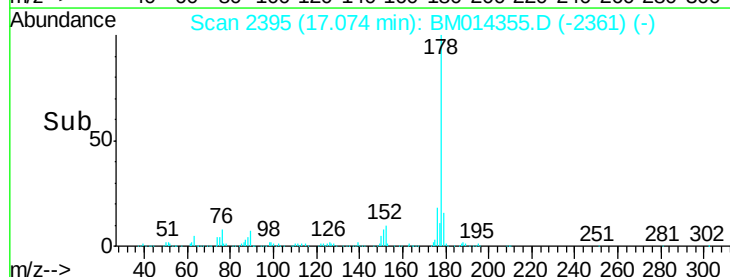
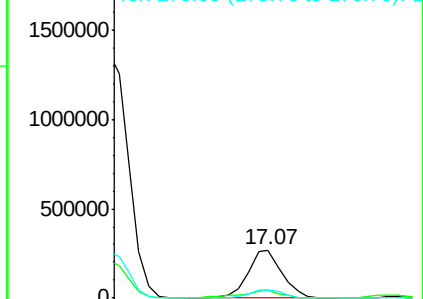
176 18.1 14.6 21.8

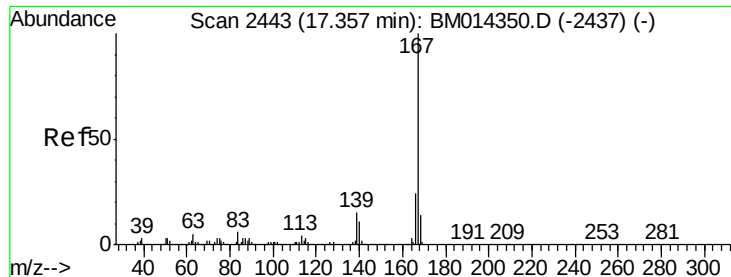


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#72

Carbazole

Concen: 3.822 ng/ul

RT: 17.36 min Scan# 2443

Delta R.T. -0.00 min

Lab File: BM014355.D

Acq: 26 Feb 2018 14:23

Instrument :

BNA_M

ClientSampleId :

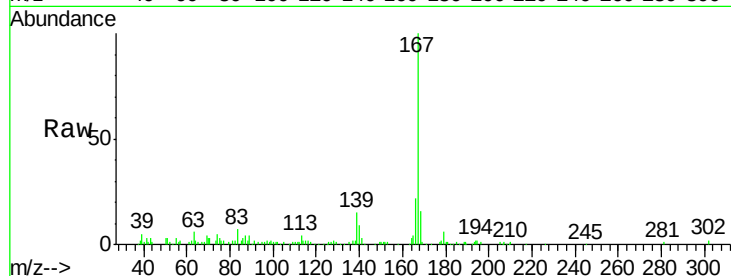
Tot Ion:167 Resp: 140056

Ion Ratio Lower Upper

167 100

166 22.3 17.1 25.7

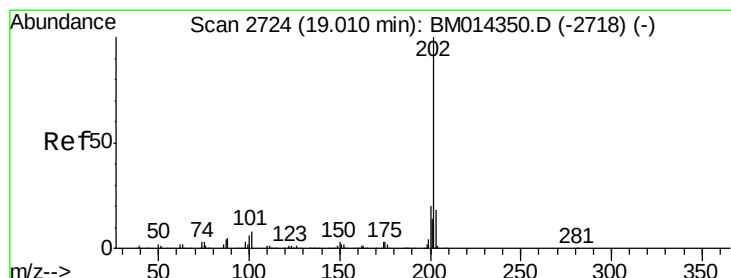
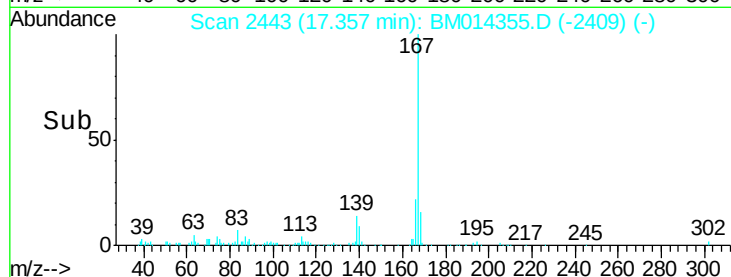
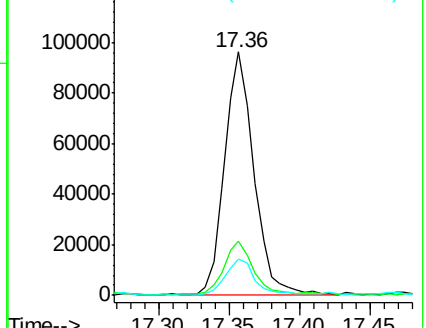
139 14.7 10.0 15.0



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: 43.004 ng/ul

RT: 19.01 min Scan# 2724

Delta R.T. -0.00 min

Lab File: BM014355.D

Acq: 26 Feb 2018 14:23

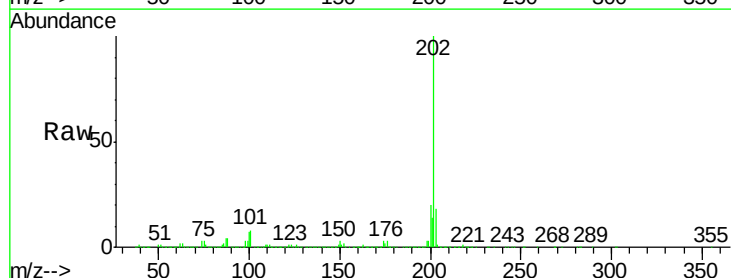
Tgt Ion:202 Resp: 2226687

Ion Ratio Lower Upper

202 100

101 8.4 4.6 7.0#

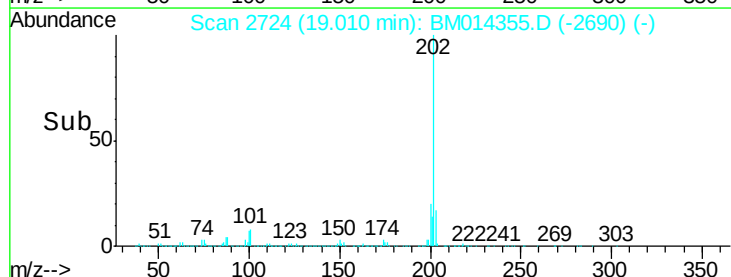
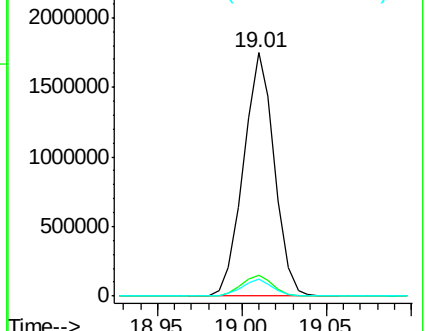
100 6.8 3.4 5.2#

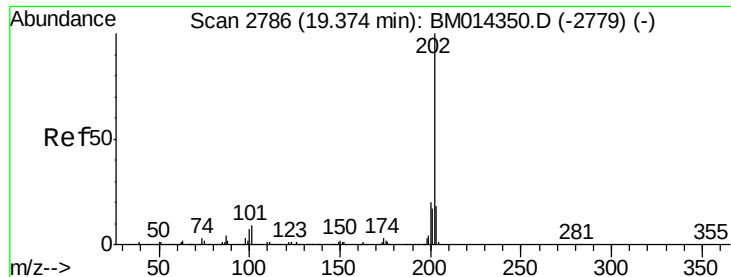


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#77

Pvrene

Concen: 42.865 ng/ul

RT: 19.37 min Scan# 2786

Delta R.T. -0.00 min

Lab File: BM014355.D

Acq: 26 Feb 2018 14:23

Instrument :

BNA_M

ClientSampleId :

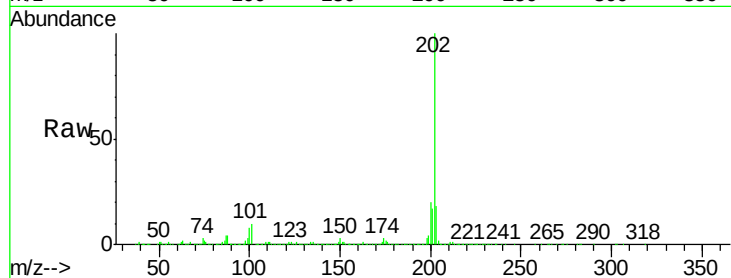
Tot Ion:202 Resp: 1907955

Ion Ratio Lower Upper

202 100

101 9.5 5.1 7.7#

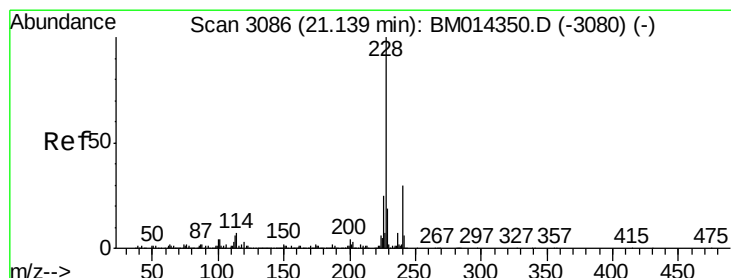
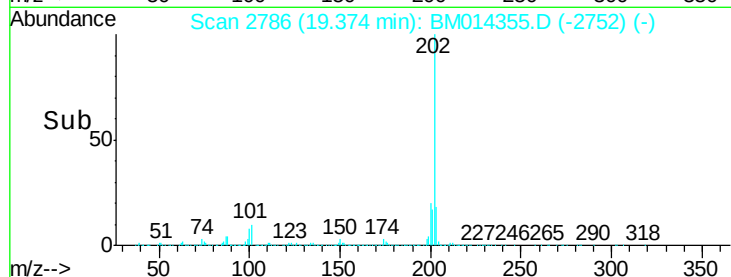
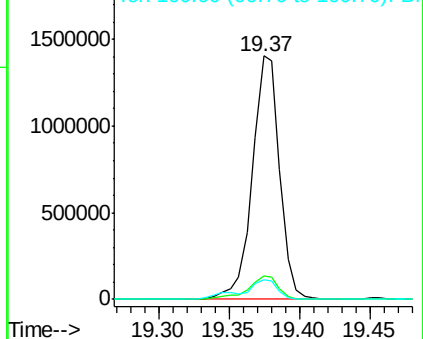
100 8.1 4.9 7.3#



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: 18.802 ng/ul

RT: 21.13 min Scan# 3085

Delta R.T. -0.01 min

Lab File: BM014355.D

Acq: 26 Feb 2018 14:23

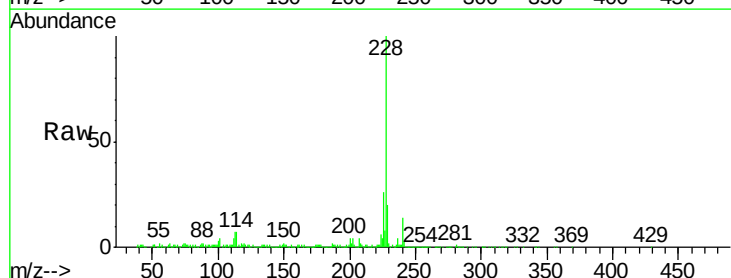
Tgt Ion:228 Resp: 785930

Ion Ratio Lower Upper

228 100

229 19.9 15.4 23.0

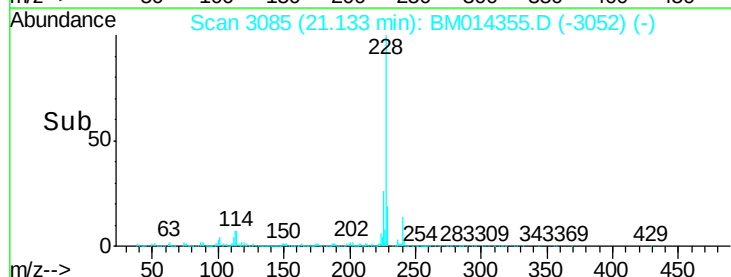
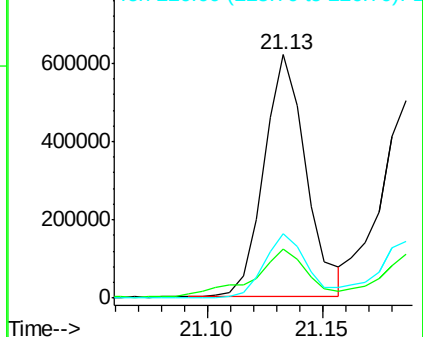
226 26.5 21.4 32.0

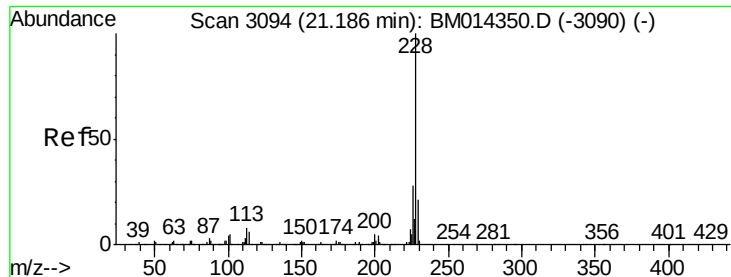


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E





#82

Chrysene

Concen: 16.978 ng/ul

RT: 21.19 min Scan# 3094

Delta R.T. -0.00 min

Lab File: BM014355.D

Acq: 26 Feb 2018 14:23

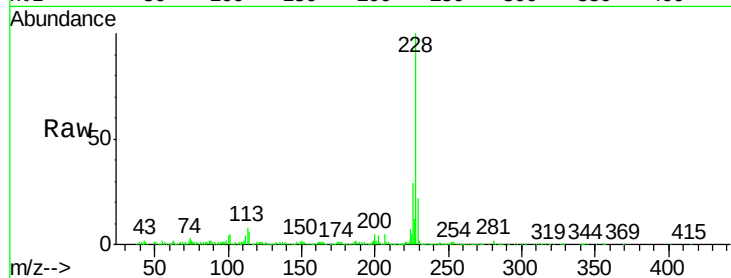
Instrument :

BNA_M

ClientSampleId :

Tot Ion:228 Resp: 662024

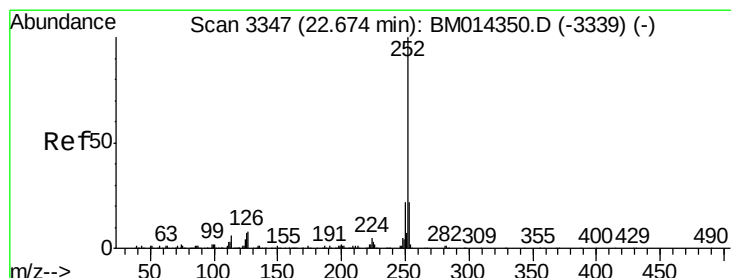
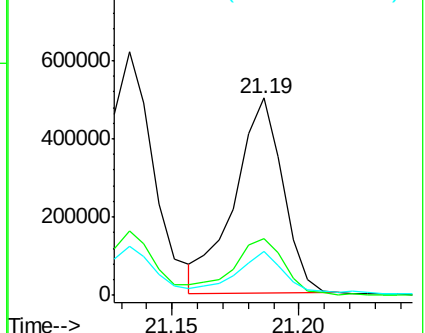
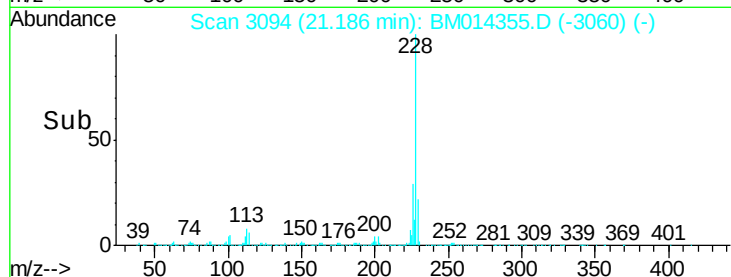
Ion	Ratio	Lower	Upper
228	100		
226	28.9	23.4	35.2
229	22.3	15.5	23.3



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: 18.745 ng/ul

RT: 22.67 min Scan# 3347

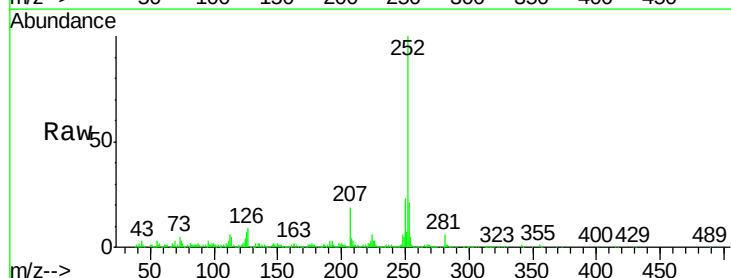
Delta R.T. -0.00 min

Lab File: BM014355.D

Acq: 26 Feb 2018 14:23

Tgt Ion:252 Resp: 671560

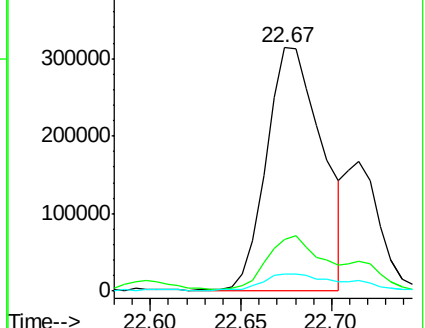
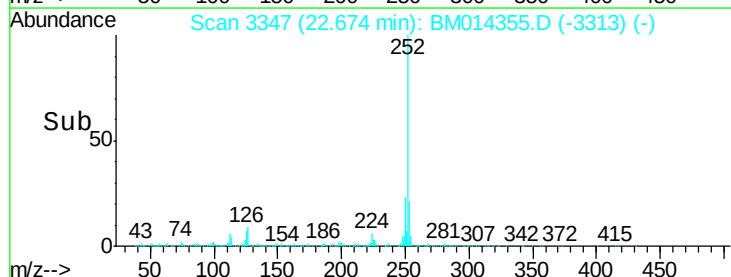
Ion	Ratio	Lower	Upper
252	100		
253	21.4	17.9	26.9
125	7.2	3.6	5.4

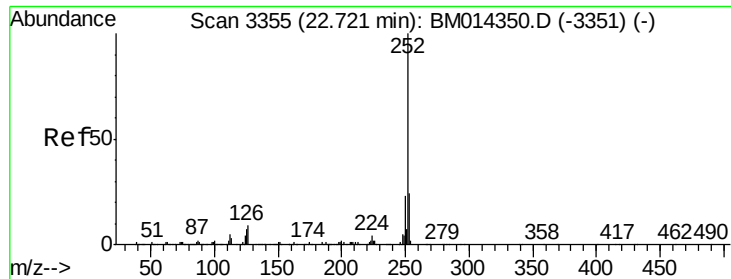


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#86

Benzo(k)fluoranthene

Concen: 6.242 ng/ul

RT: 22.72 min Scan# 3354

Delta R.T. -0.01 min

Lab File: BM014355.D

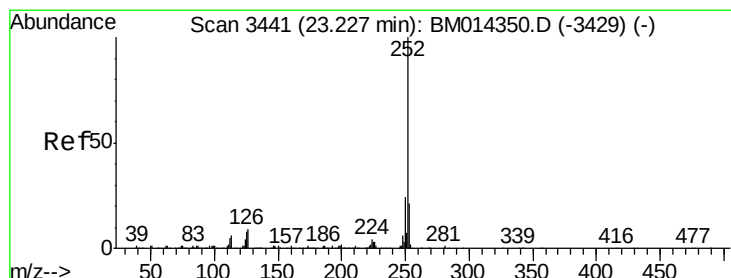
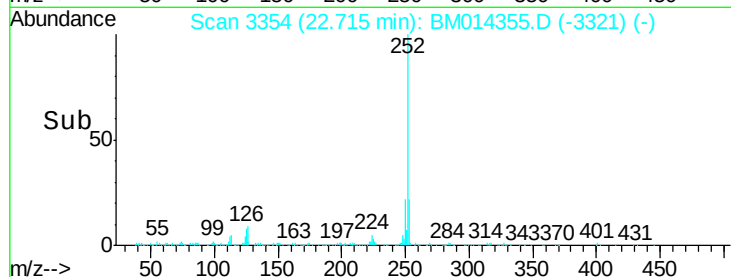
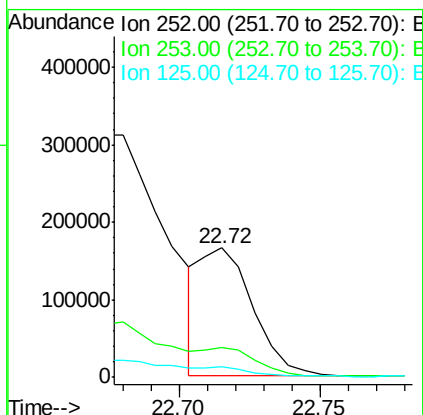
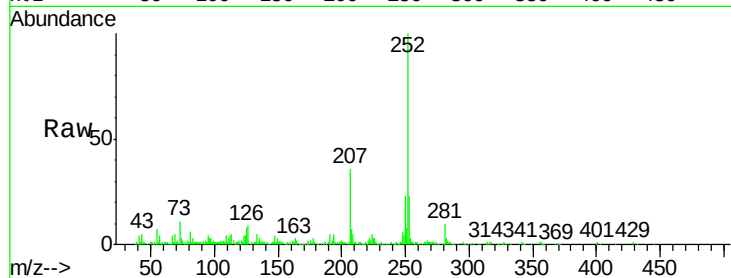
Acq: 26 Feb 2018 14:23

Instrument :

BNA_M

ClientSampleId :

Tot Ion:252	Resp:	212623
Ion Ratio	Lower	Upper
252	100	
253	23.2	17.1 25.7
125	8.4	3.4 5.2#



#88

Benzo(a)pyrene

Concen: 14.827 ng/ul

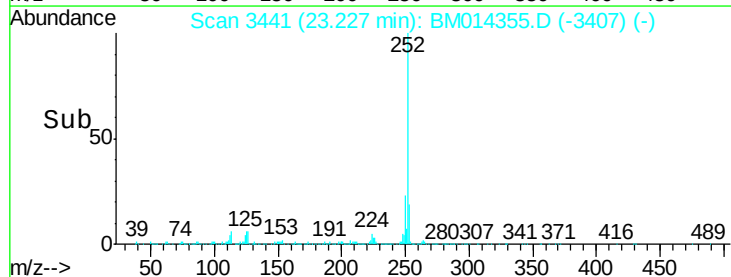
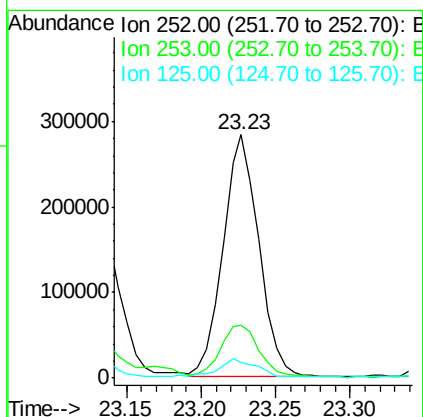
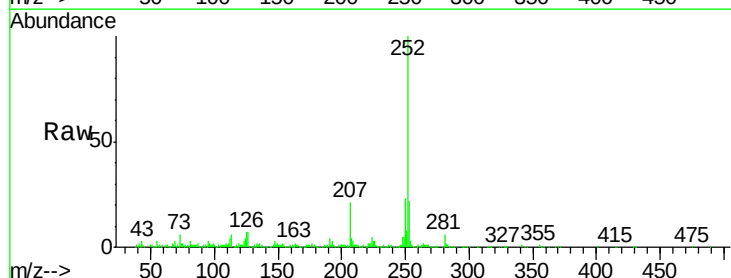
RT: 23.23 min Scan# 3441

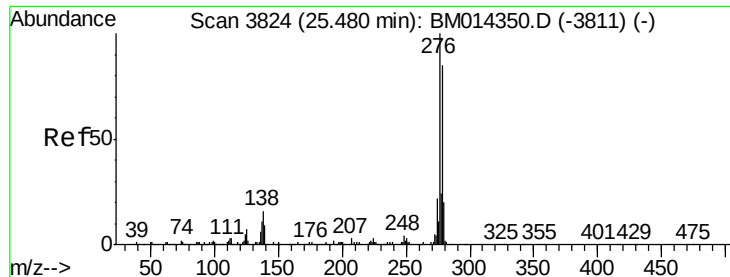
Delta R.T. -0.00 min

Lab File: BM014355.D

Acq: 26 Feb 2018 14:23

Tgt Ion:252	Resp:	474655
Ion Ratio	Lower	Upper
252	100	
253	21.7	18.2 27.2
125	6.7	4.0 6.0#



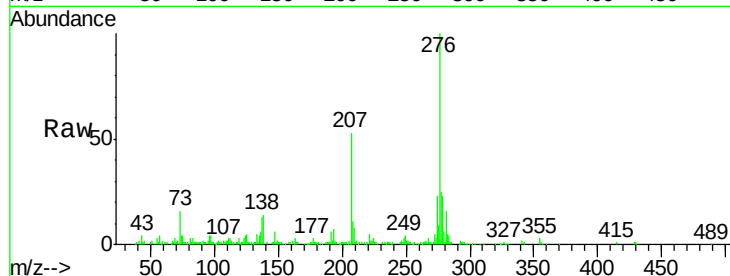


#89

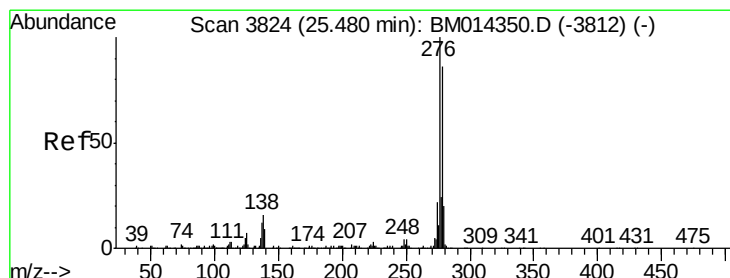
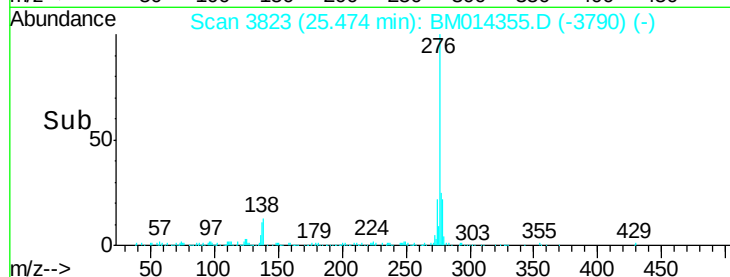
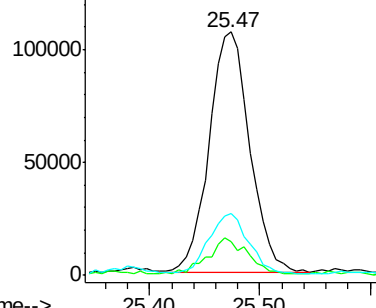
Indeno(1,2,3-cd)pyrene
Concen: 8.940 ng/ul
RT: 25.47 min Scan# 3823
Delta R.T. -0.01 min
Lab File: BM014355.D
Acq: 26 Feb 2018 14:23

Instrument :
BNA_M
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
276	100		
138	13.9	9.3	13.9
277	25.4	19.9	29.9



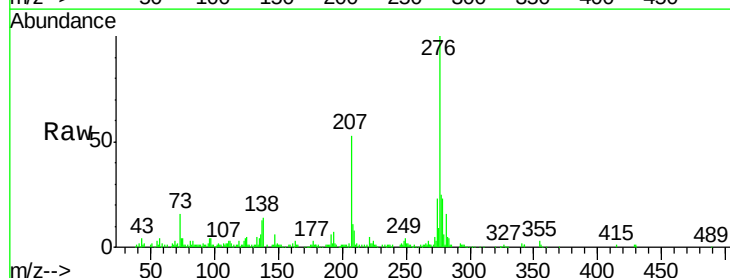
Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 277.00 (276.70 to 277.70): E



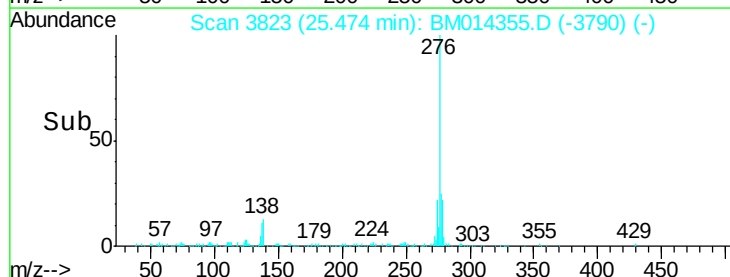
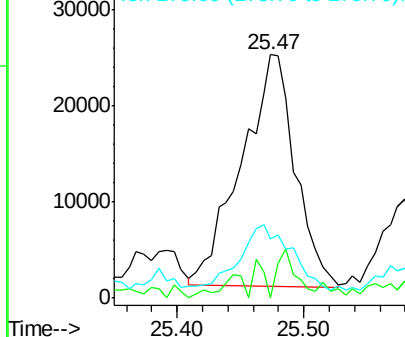
#90

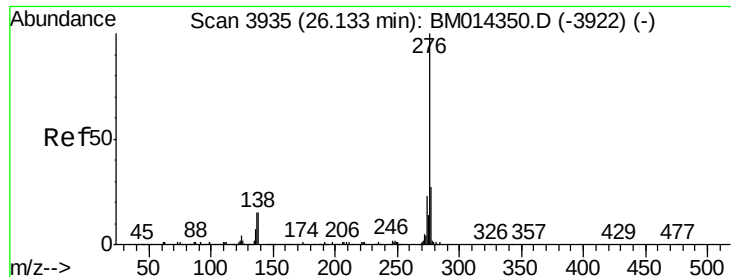
Dibenzo(a,h)anthracene
Concen: 2.773 ng/ul
RT: 25.47 min Scan# 3823
Delta R.T. -0.01 min
Lab File: BM014355.D
Acq: 26 Feb 2018 14:23

Tgt Ion	Ratio	Lower	Upper
278	100		
139	0.0	5.8	8.8#
279	24.5	18.6	27.8



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: 7.862 ng/ul

RT: 26.13 min Scan# 3935

Delta R.T. -0.00 min

Lab File: BM014355.D

Acq: 26 Feb 2018 14:23

Instrument :

BNA_M

ClientSampleId :

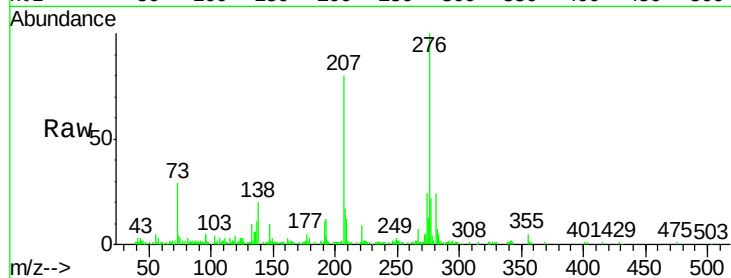
Tot Ion:276 Resp: 197856

Ion Ratio Lower Upper

276 100

138 19.6 8.5 12.7#

277 22.3 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

