

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM030415\
 Data File : BM000653.D
 Acq On : 04 Mar 2015 19:33
 Operator : TP/IZ
 Sample : MDL-01-S
 Misc : MDL-SOIL-0.4PPM
 ALS Vial : 17 Sample Multiplier: 1

Quant Time: Mar 05 02:33:58 2015

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM01.2-EPA-SIM-BM030315.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Thu Mar 05 02:24:03 2015

Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.67	152	4496	0.40	ng/ul	0.00
4) Naphthalene-d8	10.46	136	16154	0.40	ng/ul	0.01
8) Acenaphthene-d10	14.31	164	7330	0.40	ng/ul	0.01
12) Phenanthrene-d10	17.05	188	20499	0.40	ng/ul	0.00
18) Chrysene-d12	21.25	240	14800	0.40	ng/ul	0.00
22) Perylene-d12	23.46	264	11509	0.40	ng/ul	0.00

System Monitoring Compounds

2) 1,4-Dioxane-d8	3.14	96	6223	1.90	ng/uL	0.00
6) 2-Methylnaphthalene-d10	12.23	152	6	0.00	ng/ul	0.19
16) Fluoranthene-d10	19.10	212	11	0.00	ng/ul	0.00

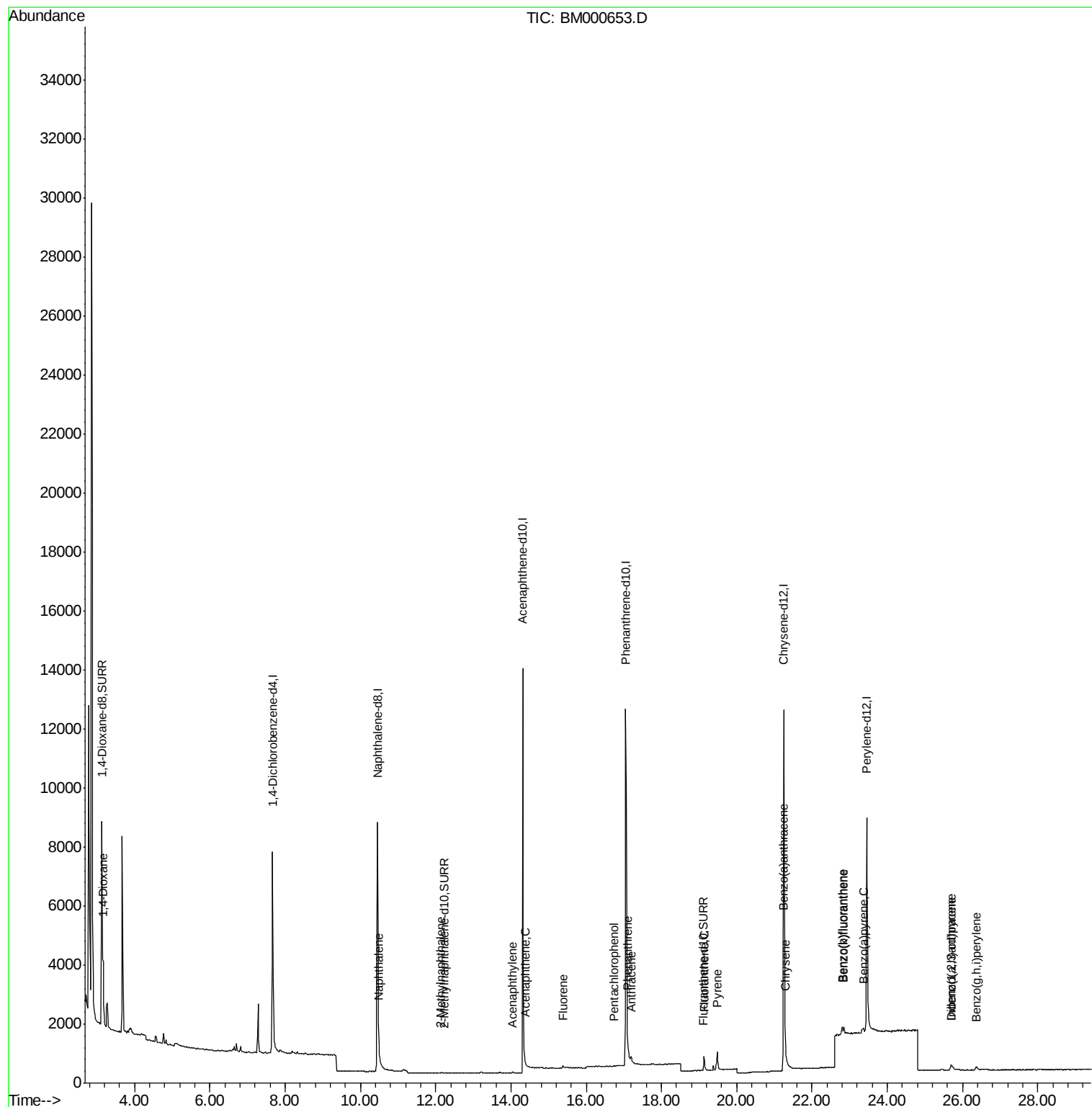
Target Compounds

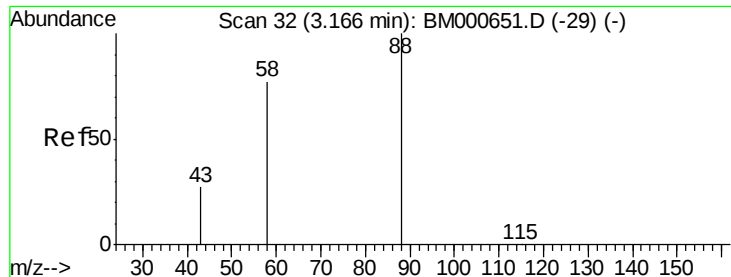
						Qvalue
3) 1,4-Dioxane	3.17	88	4294	0.84	ng/ul#	47
5) Naphthalene	10.49	128	57	0.00	ng/ul#	1
7) 2-Methylnaphthalene	12.14	142	28	0.00	ng/ul	95
9) Acenaphthylene	14.04	152	36	0.00	ng/ul#	1
10) Acenaphthene	14.38	153	51	0.00	ng/ul#	75
11) Fluorene	15.38	166	107	0.00	ng/ul#	59
13) Pentachlorophenol	16.72	266	13	0.01	ng/ul#	9
14) Phenanthrene	17.10	178	445	0.01	ng/ul#	47
15) Anthracene	17.19	178	320	0.01	ng/ul#	21
17) Fluoranthene	19.12	202	636	0.01	ng/ul	65
19) Pyrene	19.49	202	692	0.01	ng/ul#	75
20) Benzo(a)anthracene	21.24	228	434	0.01	ng/ul#	75
21) Chrysene	21.29	228	532	0.01	ng/ul#	75
23) Benzo(b)fluoranthene	22.80	252	372	0.01	ng/ul#	1
24) Benzo(k)fluoranthene	22.84	252	407	0.01	ng/ul#	1
25) Benzo(a)pyrene	23.36	252	285	0.01	ng/ul#	1
26) Indeno(1,2,3-cd)pyrene	25.70	276	325	0.01	ng/ul#	87
27) Dibenzo(a,h)anthracene	25.71	278	257	0.01	ng/ul#	1
28) Benzo(g,h,i)perylene	26.37	276	305	0.01	ng/ul#	19

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

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Quant Time: Mar 05 02:33:58 2015
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM01.2-EPA-SIM-BM030315.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Mar 05 02:24:03 2015
Response via : Initial Calibration





#3

1,4-Dioxane

Concen: 0.84 ng/ul

RT: 3.17 min Scan# 32

Delta R.T. -0.00 min

Lab File: BM000653.D

Acq: 04 Mar 2015 19:33

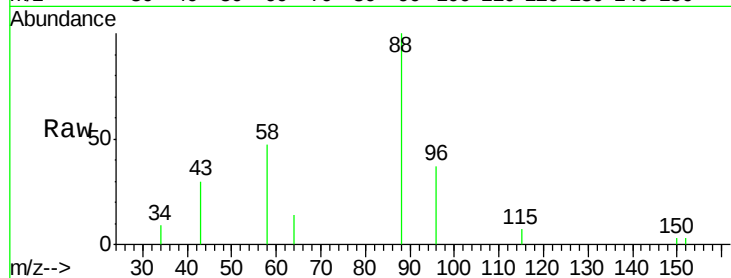
Tgt Ion: 88 Resp: 4294

Ion Ratio Lower Upper

88 100

58 27.1 55.4 83.2#

43 0.0 24.2 36.2#

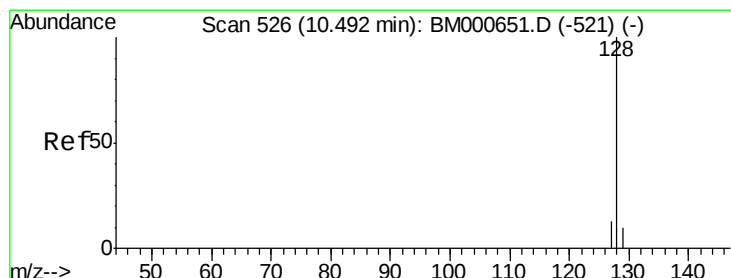
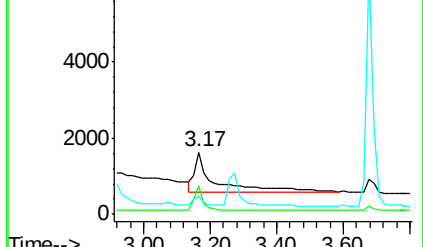
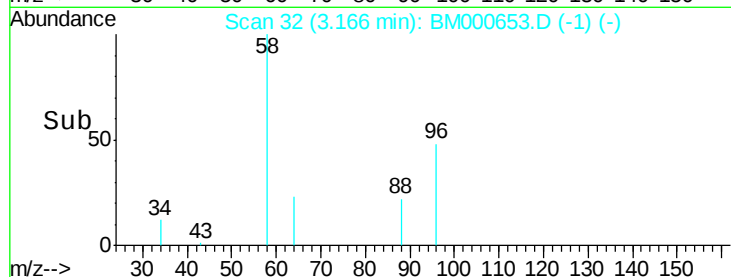


Abundance Ion 88.00 (87.70 to 88.70): BM000653.D (-1) (-)

Ion 58.00 (57.70 to 58.70): BM000653.D (-1) (-)

Ion 43.00 (42.70 to 43.70): BM000653.D (-1) (-)

Time-->



#5

Naphthalene

Concen: 0.00 ng/ul

RT: 10.49 min Scan# 526

Delta R.T. -0.00 min

Lab File: BM000653.D

Acq: 04 Mar 2015 19:33

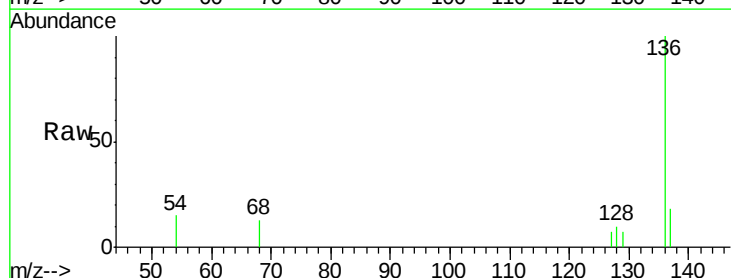
Tgt Ion: 128 Resp: 57

Ion Ratio Lower Upper

128 100

129 73.0 8.5 12.7#

127 71.6 11.0 16.6#

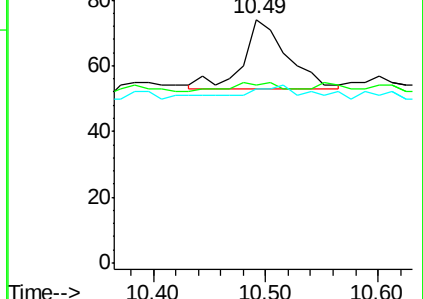
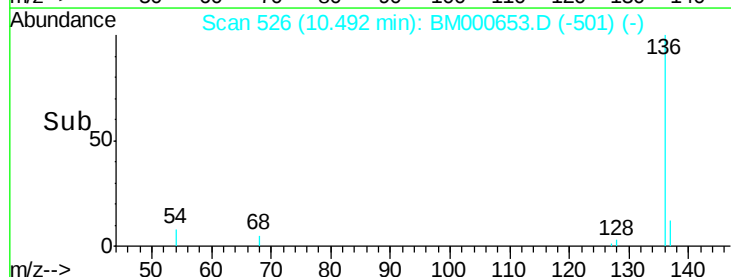


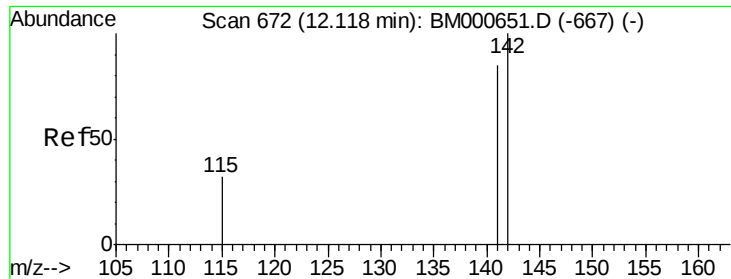
Abundance Ion 128.00 (127.70 to 128.70): BM000653.D (-501) (-)

Ion 129.00 (128.70 to 129.70): BM000653.D (-501) (-)

Ion 127.00 (126.70 to 127.70): BM000653.D (-501) (-)

Time-->





#7

2-Methylnaphthalene

Concen: 0.00 ng/ul

RT: 12.14 min Scan# 674

Delta R.T. 0.02 min

Lab File: BM000653.D

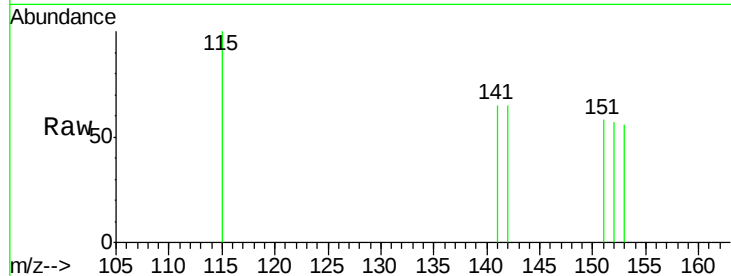
Acq: 04 Mar 2015 19:33

Tgt Ion:142 Resp: 28

Ion Ratio Lower Upper

142 100

141 92.9 70.6 106.0



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

12.14

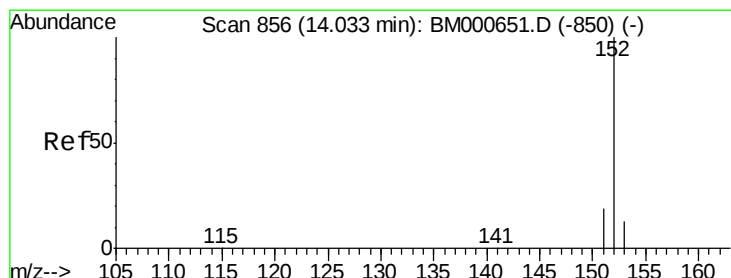
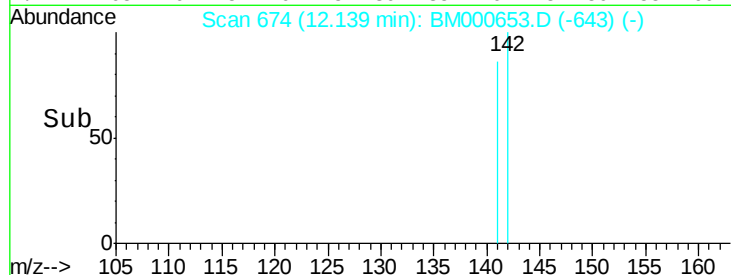
60

40

20

0

Time--> 12.00 12.10 12.20



#9

Acenaphthylene

Concen: 0.00 ng/ul

RT: 14.04 min Scan# 857

Delta R.T. 0.01 min

Lab File: BM000653.D

Acq: 04 Mar 2015 19:33

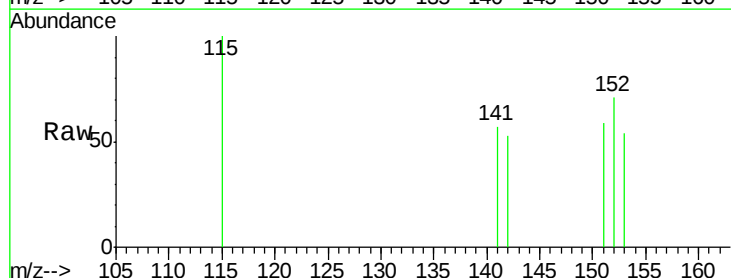
Tgt Ion:152 Resp: 36

Ion Ratio Lower Upper

152 100

151 83.6 16.0 24.0#

153 76.1 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

14.04

80

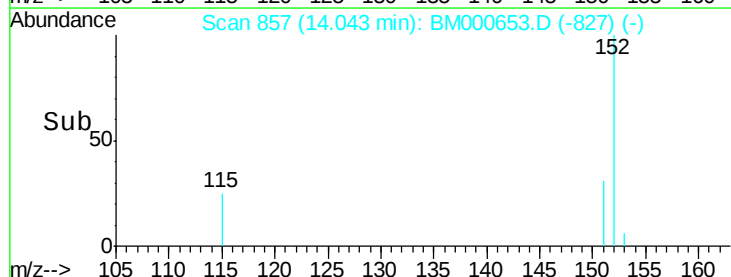
60

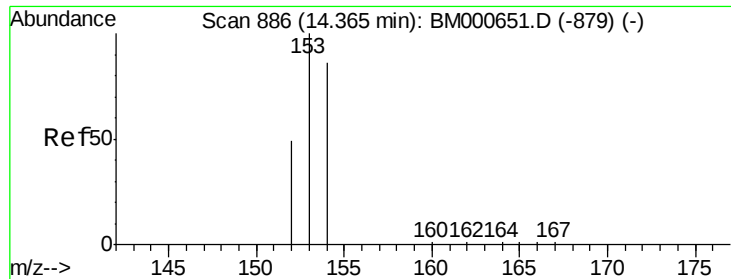
40

20

0

Time--> 14.00 14.05 14.10





#10

Acenaphthene

Concen: 0.00 ng/ul

RT: 14.38 min Scan# 887

Delta R.T. 0.01 min

Lab File: BM000653.D

Acq: 04 Mar 2015 19:33

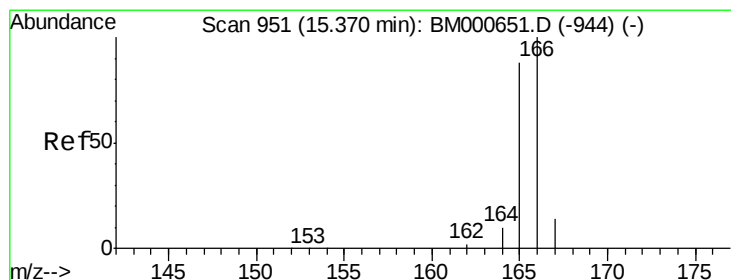
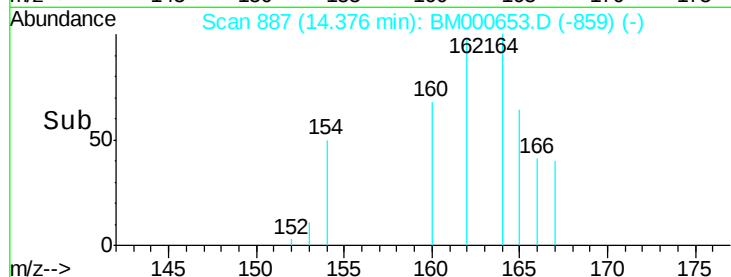
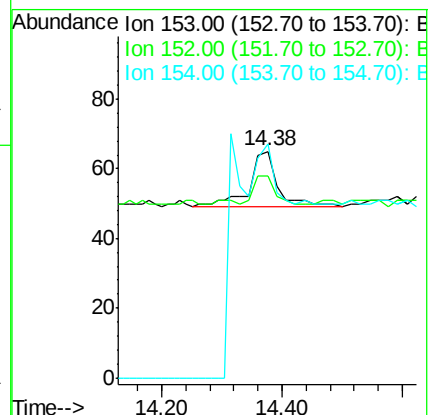
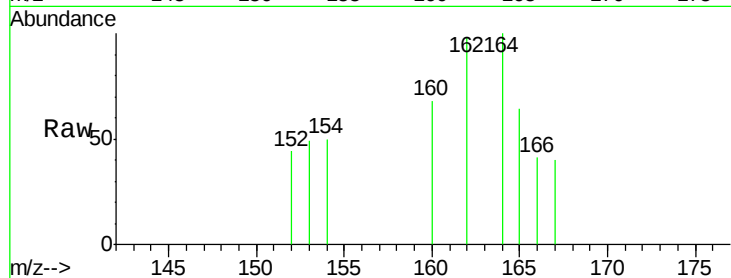
Tgt Ion:153 Resp: 51

Ion Ratio Lower Upper

153 100

152 89.2 34.2 51.2#

154 103.1 78.8 118.2



#11

Fluorene

Concen: 0.00 ng/ul

RT: 15.38 min Scan# 952

Delta R.T. 0.01 min

Lab File: BM000653.D

Acq: 04 Mar 2015 19:33

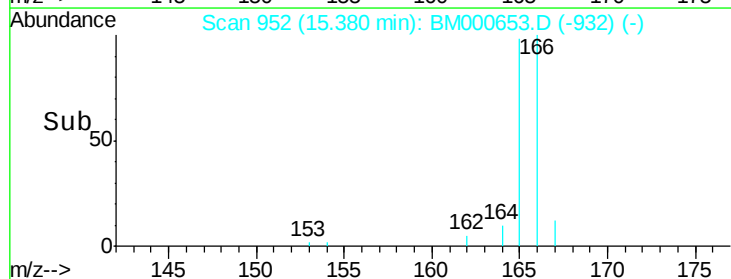
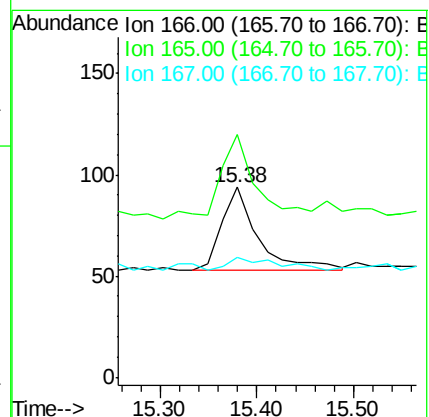
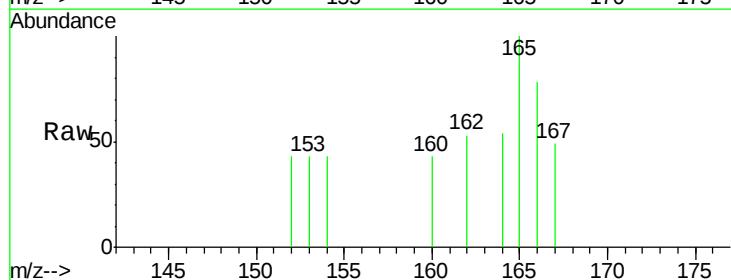
Tgt Ion:166 Resp: 107

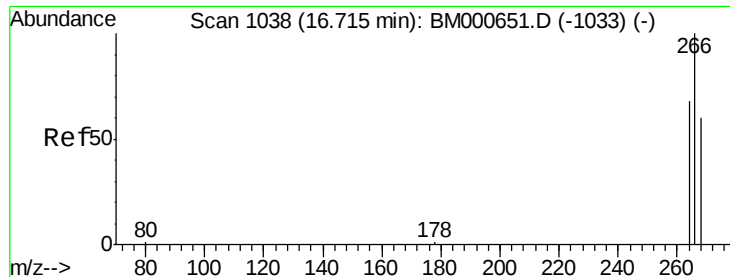
Ion Ratio Lower Upper

166 100

165 127.7 78.5 117.7#

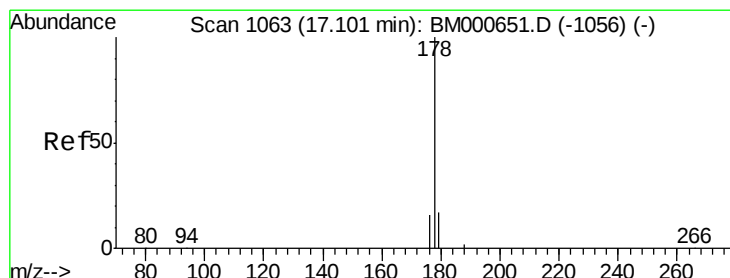
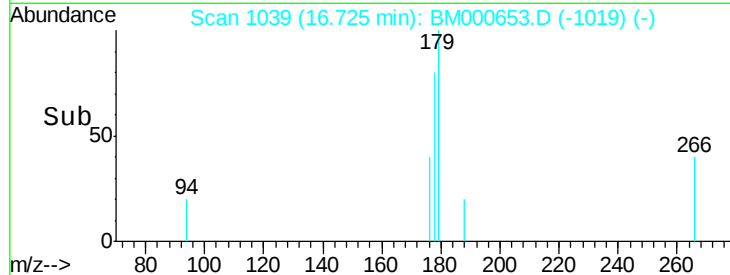
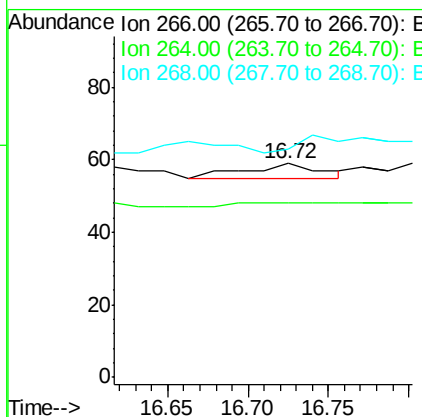
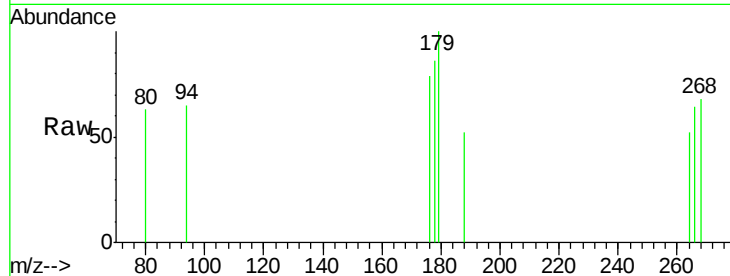
167 62.8 10.6 16.0#





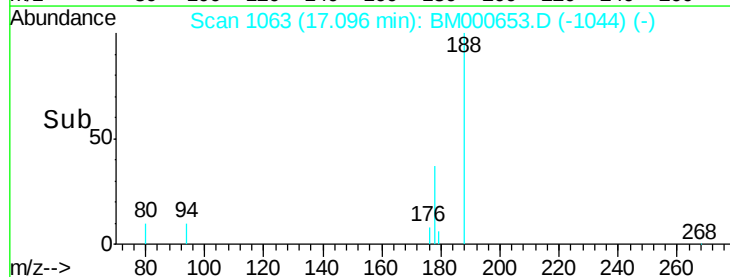
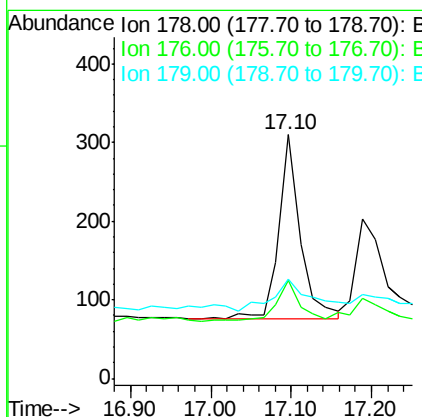
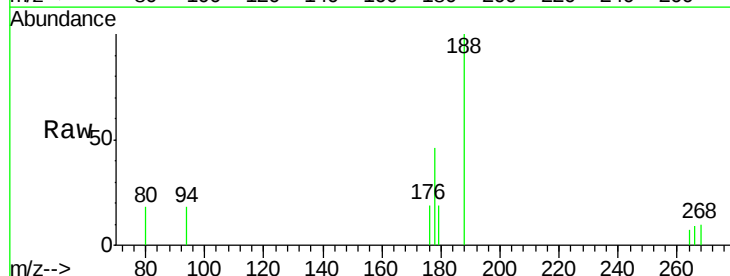
#13
 Pentachlorophenol
 Concen: 0.01 ng/ul
 RT: 16.72 min Scan# 1039
 Delta R.T. 0.01 min
 Lab File: BM000653.D
 Acq: 04 Mar 2015 19:33

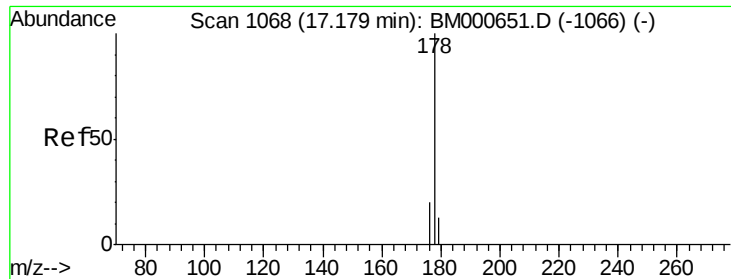
Tgt Ion: 266 Resp: 13
 Ion Ratio Lower Upper
 266 100
 264 0.0 51.0 76.4#
 268 138.5 49.4 74.2#



#14
 Phenanthrene
 Concen: 0.01 ng/ul
 RT: 17.10 min Scan# 1063
 Delta R.T. -0.01 min
 Lab File: BM000653.D
 Acq: 04 Mar 2015 19:33

Tgt Ion: 178 Resp: 445
 Ion Ratio Lower Upper
 178 100
 176 40.0 14.8 22.2#
 179 40.6 12.7 19.1#





#15

Anthracene

Concen: 0.01 ng/ul

RT: 17.19 min Scan# 1069

Delta R.T. 0.01 min

Lab File: BM000653.D

Acq: 04 Mar 2015 19:33

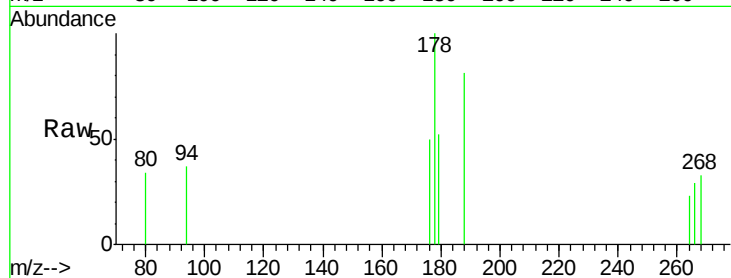
Tgt Ion:178 Resp: 320

Ion Ratio Lower Upper

178 100

176 49.8 14.2 21.4#

179 52.2 12.8 19.2#

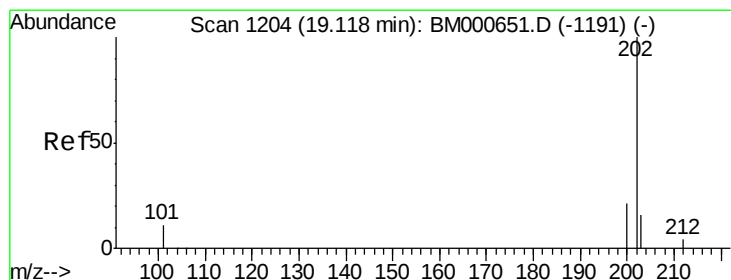
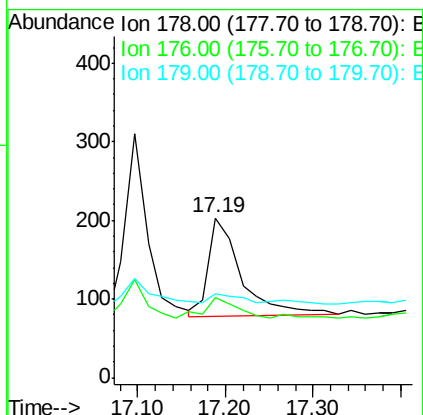
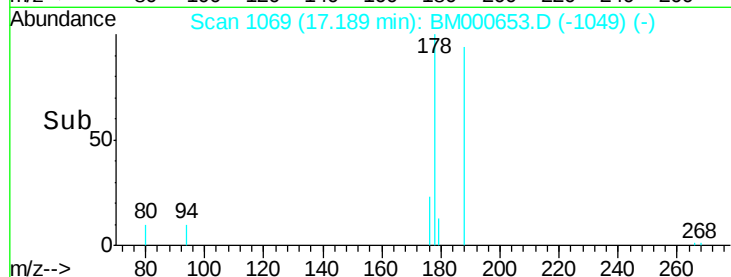


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

Time-->



#17

Fluoranthene

Concen: 0.01 ng/ul

RT: 19.12 min Scan# 1205

Delta R.T. 0.01 min

Lab File: BM000653.D

Acq: 04 Mar 2015 19:33

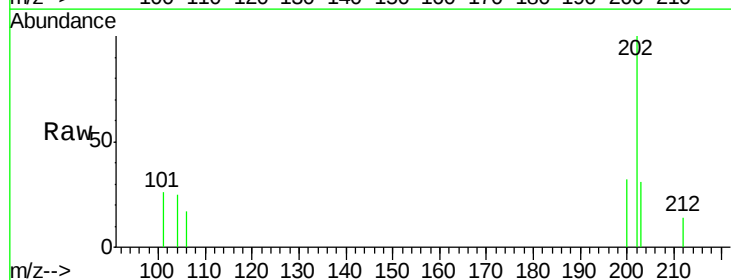
Tgt Ion:202 Resp: 636

Ion Ratio Lower Upper

202 100

101 25.7 0.0 27.0

203 30.8 0.0 38.5

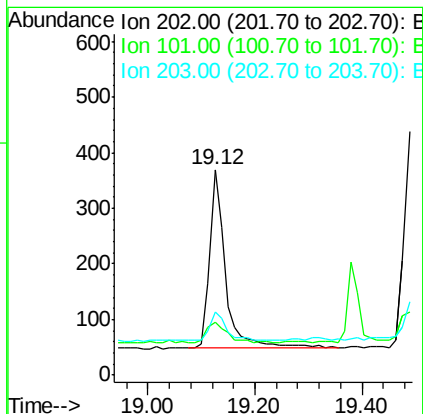
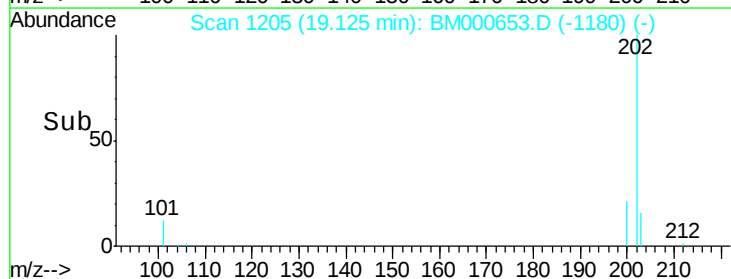


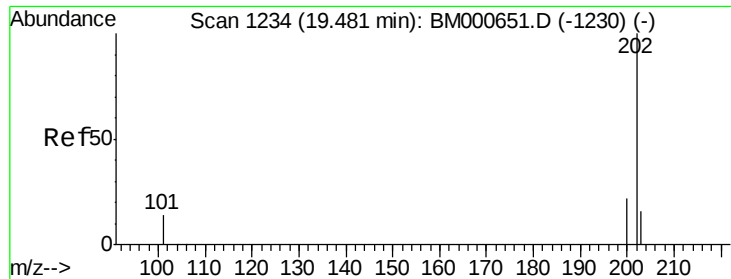
Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

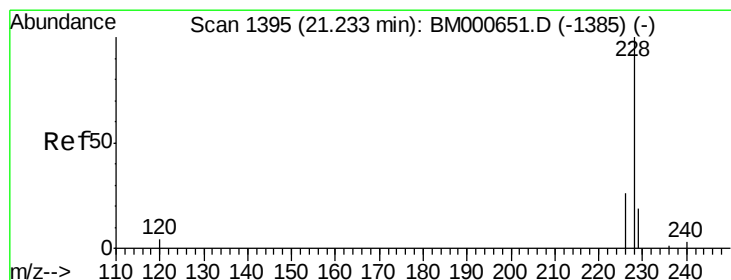
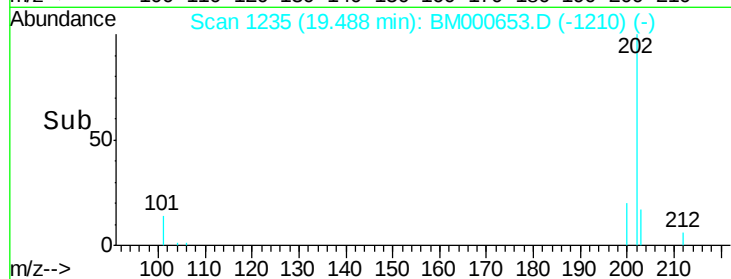
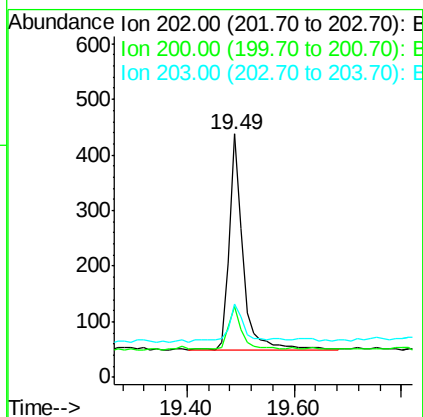
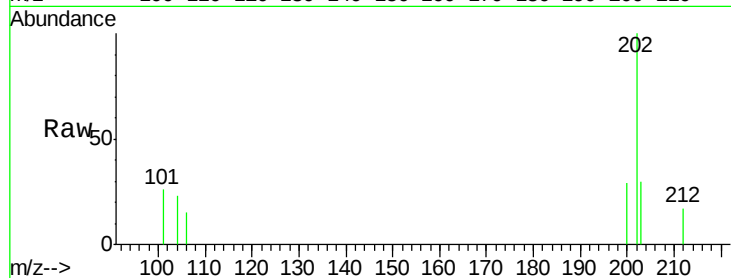
Time-->





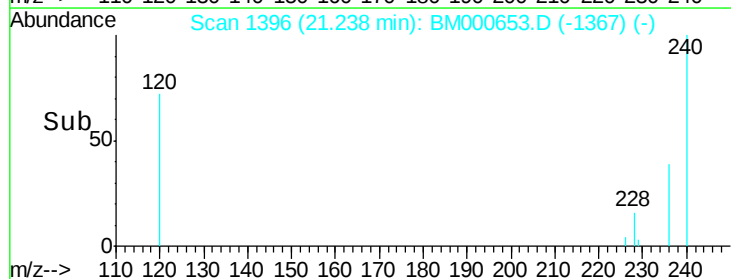
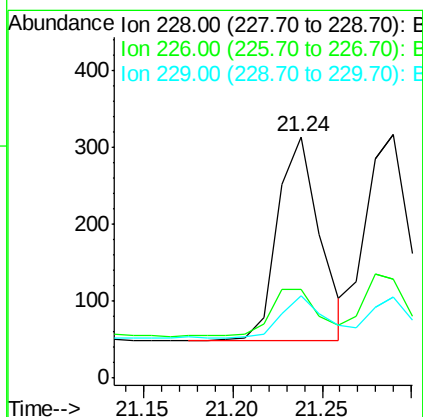
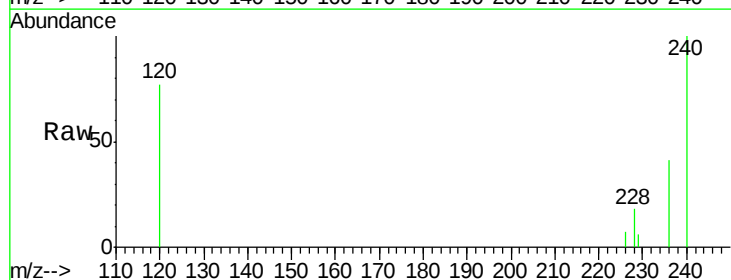
#19
Pyrene
Concen: 0.01 ng/ul
RT: 19.49 min Scan# 1235
Delta R.T. 0.01 min
Lab File: BM000653.D
Acq: 04 Mar 2015 19:33

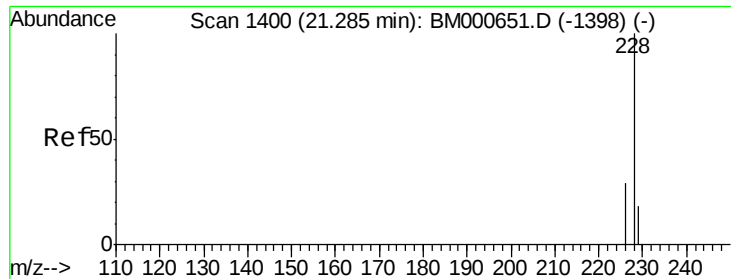
Tgt Ion: 202 Resp: 692
Ion Ratio Lower Upper
202 100
200 29.0 15.5 23.3#
203 30.1 14.2 21.2#



#20
Benzo(a)anthracene
Concen: 0.01 ng/ul
RT: 21.24 min Scan# 1396
Delta R.T. 0.01 min
Lab File: BM000653.D
Acq: 04 Mar 2015 19:33

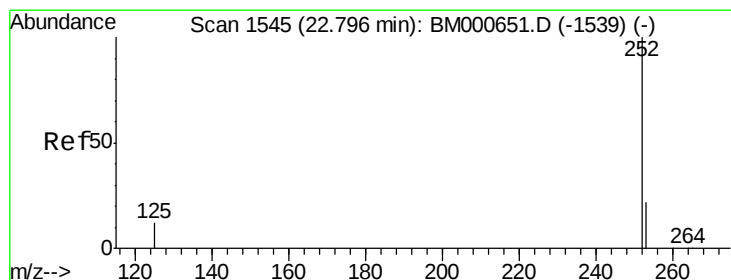
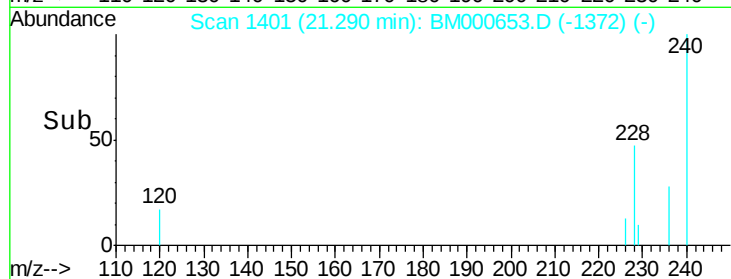
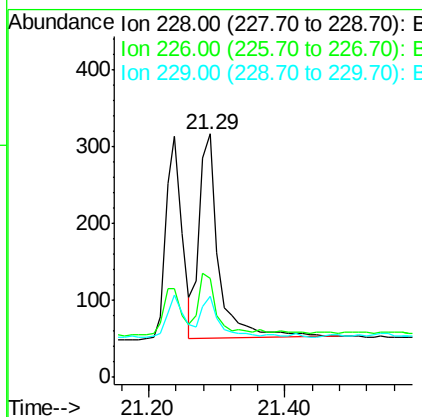
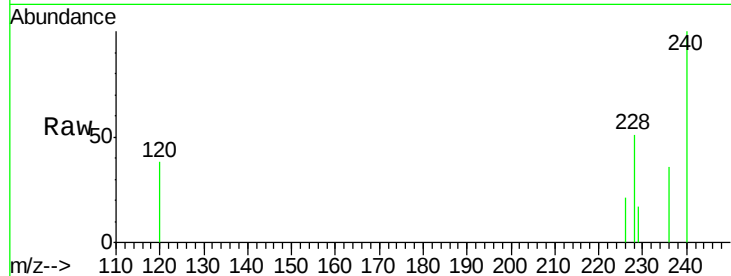
Tgt Ion: 228 Resp: 434
Ion Ratio Lower Upper
228 100
226 36.6 20.0 30.0#
229 34.1 16.7 25.1#





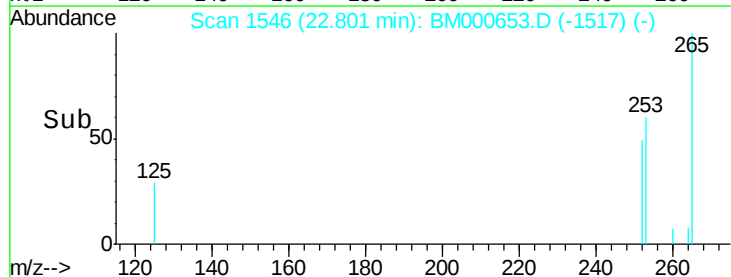
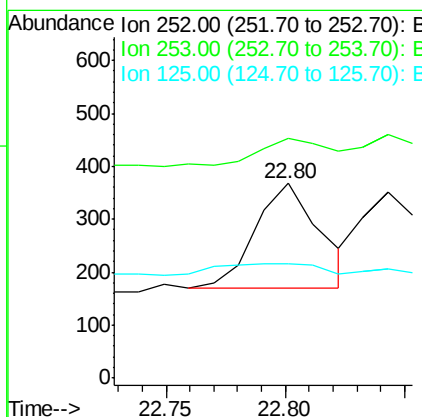
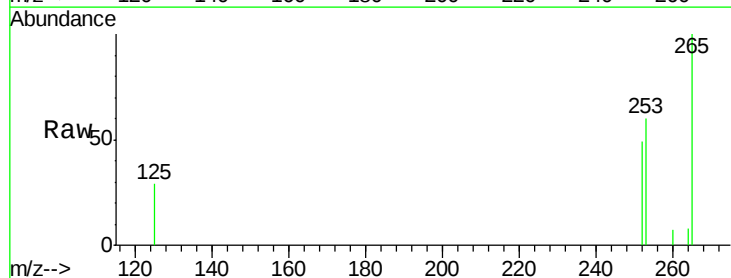
#21
Chrysene
Concen: 0.01 ng/ul
RT: 21.29 min Scan# 1401
Delta R.T. 0.01 min
Lab File: BM000653.D
Acq: 04 Mar 2015 19:33

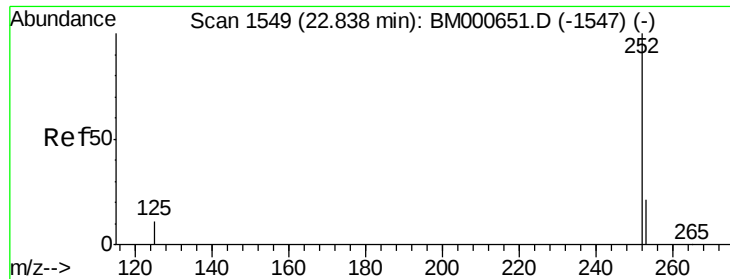
Tgt Ion: 228 Resp: 532
Ion Ratio Lower Upper
228 100
226 40.4 22.6 33.8#
229 33.1 16.4 24.6#



#23
Benzo(b)fluoranthene
Concen: 0.01 ng/ul
RT: 22.80 min Scan# 1546
Delta R.T. 0.01 min
Lab File: BM000653.D
Acq: 04 Mar 2015 19:33

Tgt Ion: 252 Resp: 372
Ion Ratio Lower Upper
252 100
253 123.1 0.0 51.2#
125 58.7 0.0 30.0#





#24

Benzo(k)fluoranthene

Concen: 0.01 ng/ul

RT: 22.84 min Scan# 1550

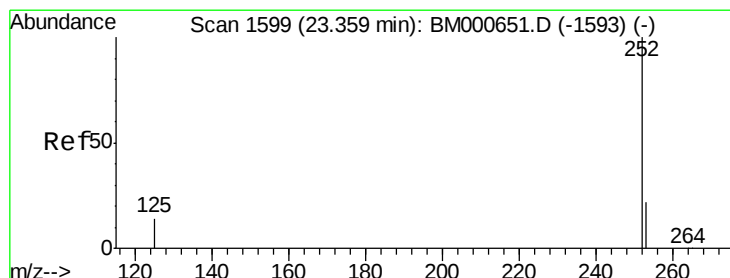
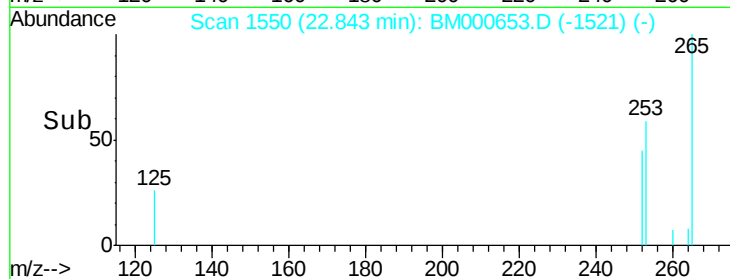
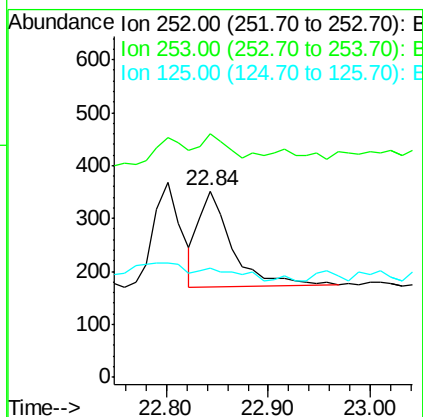
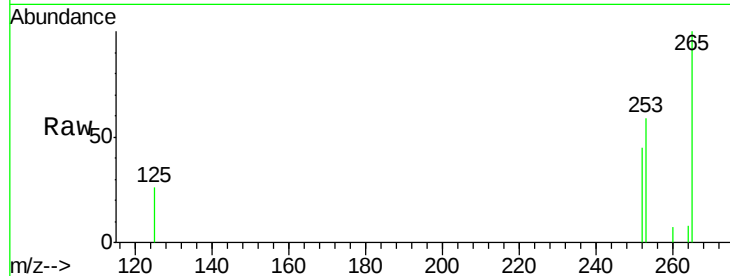
Delta R.T. 0.01 min

Lab File: BM000653.D

Acq: 04 Mar 2015 19:33

Tgt Ion: 252 Resp: 407

Ion	Ratio	Lower	Upper
252	100		
253	130.7	20.5	30.7#
125	58.5	11.8	17.6#



#25

Benzo(a)pyrene

Concen: 0.01 ng/ul

RT: 23.36 min Scan# 1600

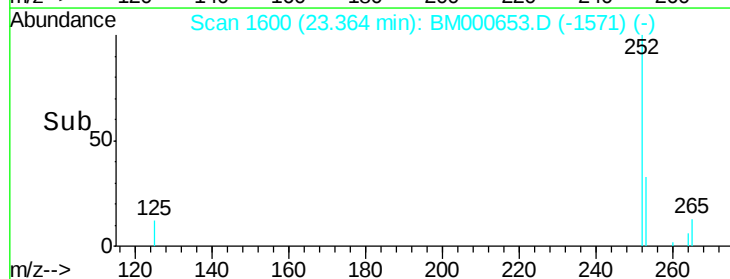
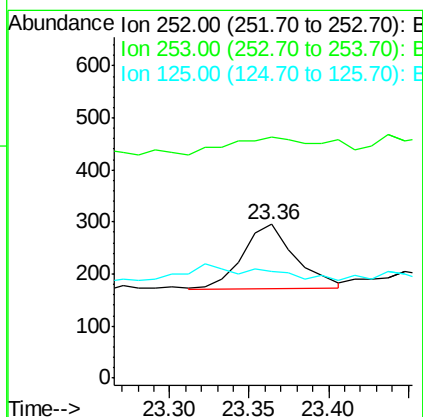
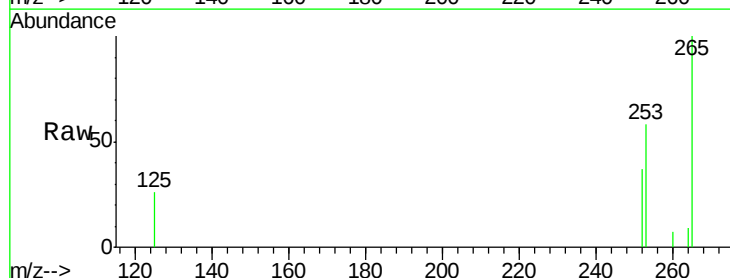
Delta R.T. 0.01 min

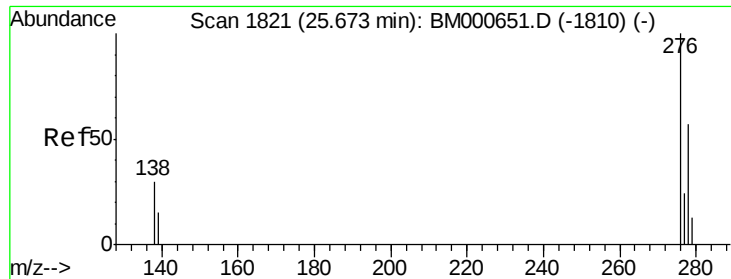
Lab File: BM000653.D

Acq: 04 Mar 2015 19:33

Tgt Ion: 252 Resp: 285

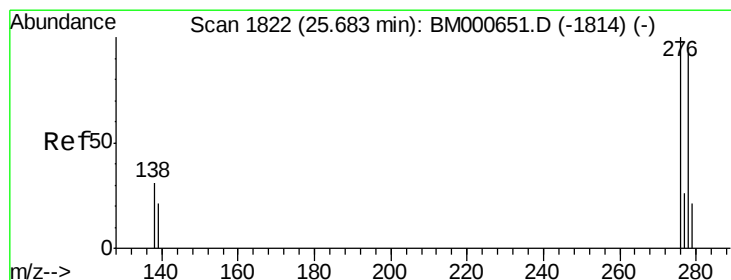
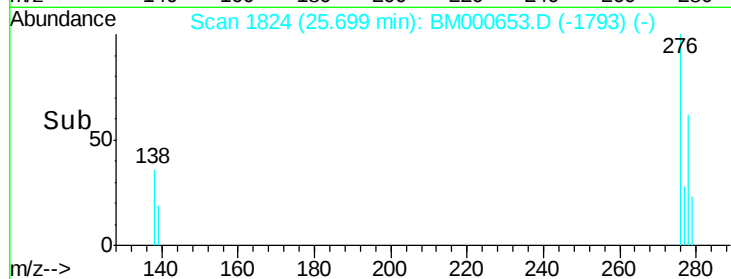
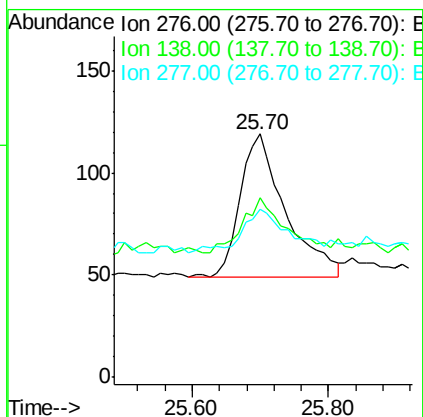
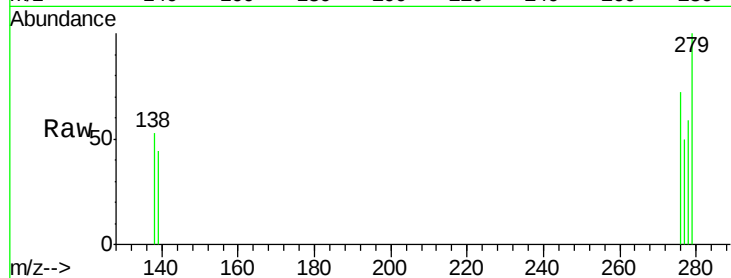
Ion	Ratio	Lower	Upper
252	100		
253	156.9	23.4	35.0#
125	69.5	12.2	18.4#





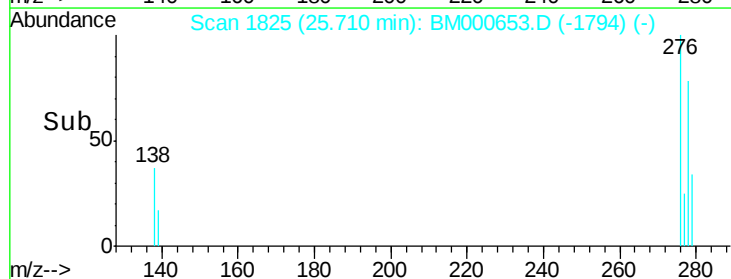
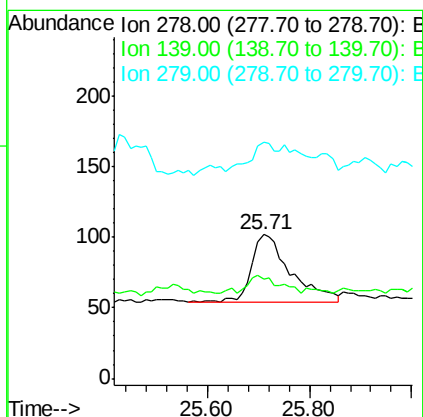
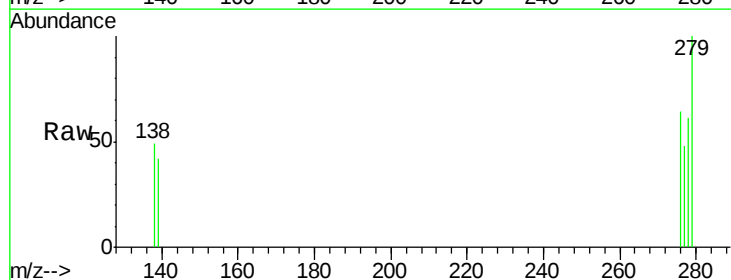
#26
 Indeno(1,2,3-cd)pyrene
 Concen: 0.01 ng/ul
 RT: 25.70 min Scan# 1824
 Delta R.T. 0.03 min
 Lab File: BM000653.D
 Acq: 04 Mar 2015 19:33

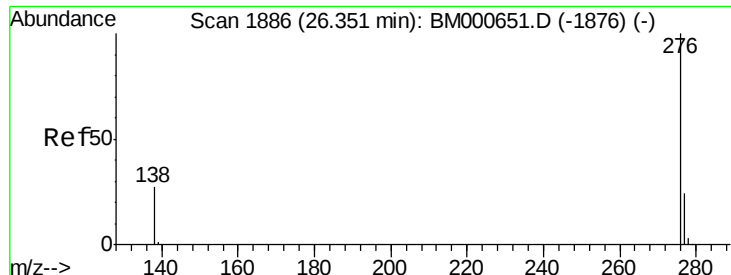
Tgt Ion: 276 Resp: 325
 Ion Ratio Lower Upper
 276 100
 138 37.5 23.8 35.8#
 277 30.5 19.7 29.5#



#27
 Dibenzo(a,h)anthracene
 Concen: 0.01 ng/ul
 RT: 25.71 min Scan# 1825
 Delta R.T. 0.03 min
 Lab File: BM000653.D
 Acq: 04 Mar 2015 19:33

Tgt Ion: 278 Resp: 257
 Ion Ratio Lower Upper
 278 100
 139 68.6 17.0 25.6#
 279 164.7 22.3 33.5#





#28

Benzo(g,h,i)perylene

Concen: 0.01 ng/ul

RT: 26.37 min Scan# 1888

Delta R.T. 0.02 min

Lab File: BM000653.D

Acq: 04 Mar 2015 19:33

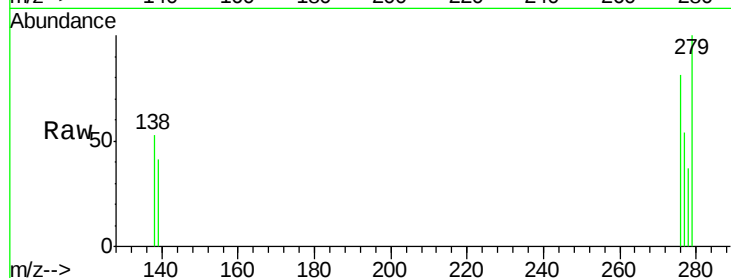
Tgt Ion: 276 Resp: 305

Ion Ratio Lower Upper

276 100

277 66.4 19.9 29.9#

138 65.6 20.6 30.8#



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

