

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM030415\
 Data File : BM000658.D
 Acq On : 04 Mar 2015 22:32
 Operator : TP/IZ
 Sample : MDL-06-S
 Misc : MDL-SOIL-0.4PPM
 ALS Vial : 22 Sample Multiplier: 1

Quant Time: Mar 05 02:35:03 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	5563	0.40	ng/ul	0.00
4) Naphthalene-d8	10.46	136	20094	0.40	ng/ul	0.01
8) Acenaphthene-d10	14.31	164	8551	0.40	ng/ul	0.01
12) Phenanthrene-d10	17.05	188	23761	0.40	ng/ul	0.00
18) Chrysene-d12	21.25	240	15251	0.40	ng/ul	0.00
22) Perylene-d12	23.46	264	11338	0.40	ng/ul	0.00

System Monitoring Compounds

2) 1,4-Dioxane-d8	3.14	96	8131	2.00	ng/uL	0.00
6) 2-Methylnaphthalene-d10	12.28	152	6	0.00	ng/ul	0.24
16) Fluoranthene-d10	19.10	212	8	0.00	ng/ul	0.00

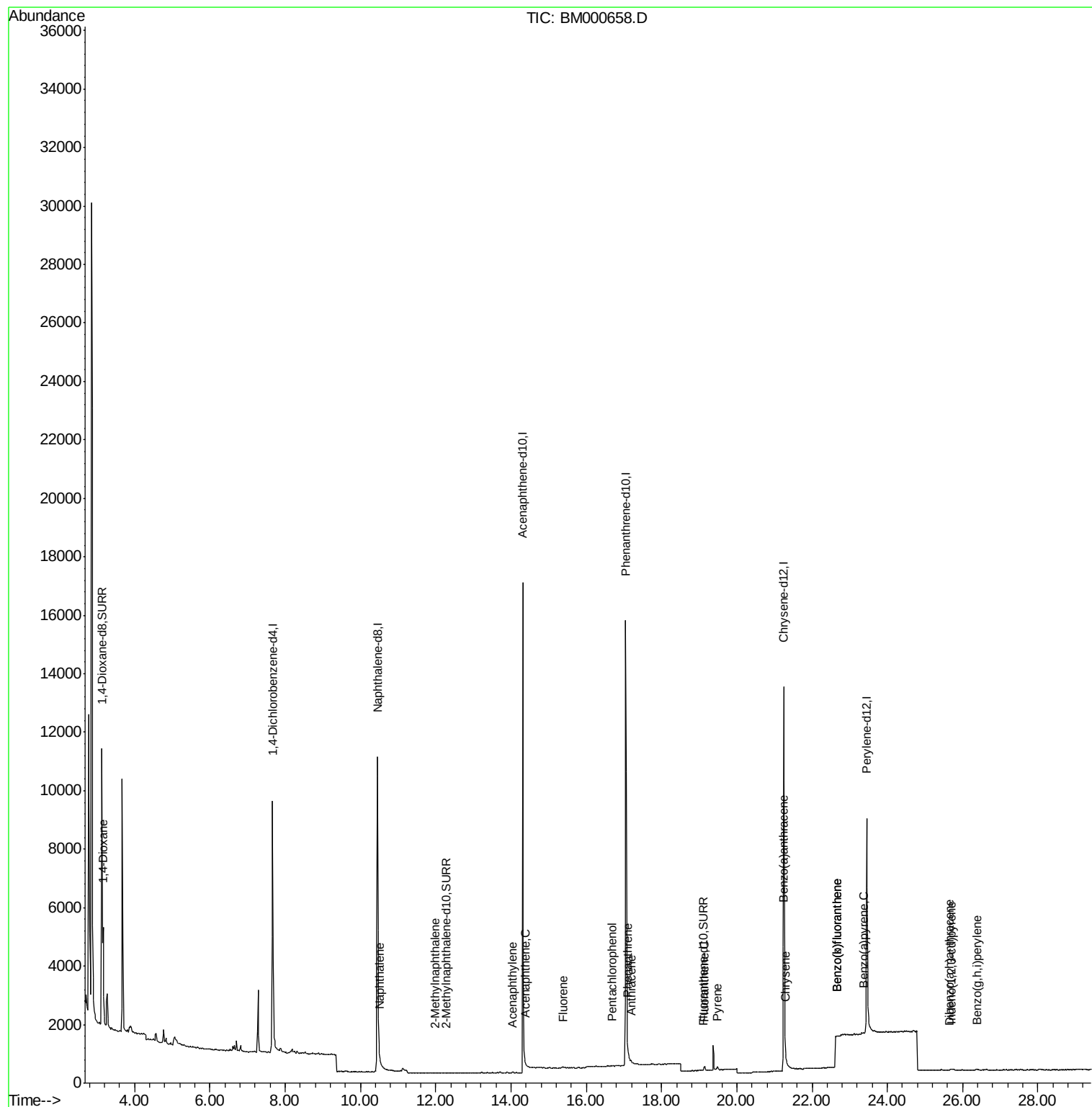
Target Compounds

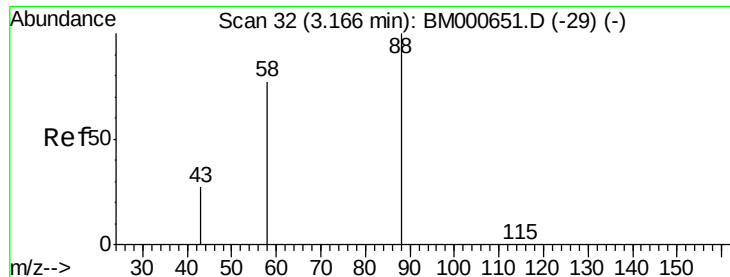
						Qvalue
3) 1,4-Dioxane	3.17	88	4883	0.78	ng/ul#	56
5) Naphthalene	10.50	128	64	0.00	ng/ul#	1
7) 2-Methylnaphthalene	11.99	142	4	0.00	ng/ul	86
9) Acenaphthylene	14.03	152	19	0.00	ng/ul#	1
10) Acenaphthene	14.38	153	27	0.00	ng/ul#	76
11) Fluorene	15.38	166	35	0.00	ng/ul#	44
13) Pentachlorophenol	16.69	266	18	0.01	ng/ul#	55
14) Phenanthrene	17.10	178	143	0.00	ng/ul#	1
15) Anthracene	17.19	178	92	0.00	ng/ul#	1
17) Fluoranthene	19.12	202	149	0.00	ng/ul#	1
19) Pyrene	19.49	202	150	0.00	ng/ul#	13
20) Benzo(a)anthracene	21.24	228	136	0.00	ng/ul#	23
21) Chrysene	21.29	228	101	0.00	ng/ul#	28
23) Benzo(b)fluoranthene	22.66	252	928	0.02	ng/ul#	1
24) Benzo(k)fluoranthene	22.66	252	928	0.02	ng/ul#	1
25) Benzo(a)pyrene	23.37	252	91	0.00	ng/ul#	1
26) Indeno(1,2,3-cd)pyrene	25.71	276	83	0.00	ng/ul#	89
27) Dibenzo(a,h)anthracene	25.65	278	6	0.00	ng/ul#	1
28) Benzo(g,h,i)perylene	26.38	276	86	0.00	ng/ul#	1

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

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Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM01.2-EPA-SIM-BM030315.M
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QLast Update : Thu Mar 05 02:24:03 2015
Response via : Initial Calibration





#3

1,4-Dioxane

Concen: 0.78 ng/ul

RT: 3.17 min Scan# 32

Delta R.T. -0.00 min

Lab File: BM000658.D

Acq: 04 Mar 2015 22:32

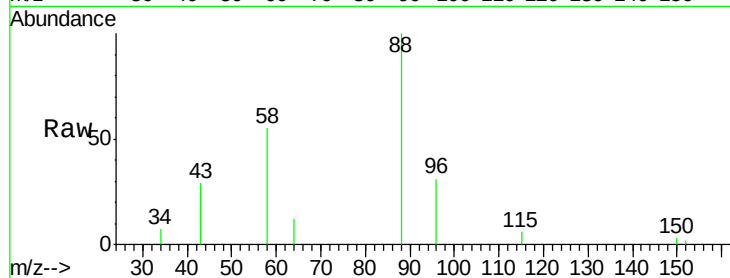
Tgt Ion: 88 Resp: 4883

Ion Ratio Lower Upper

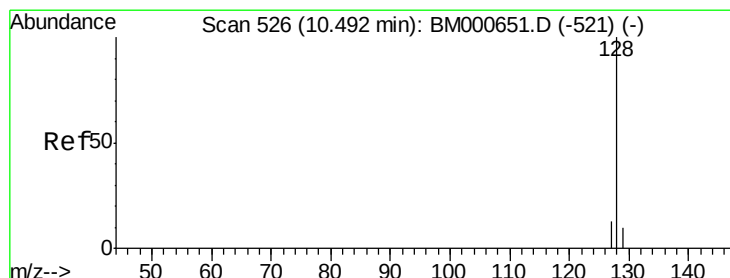
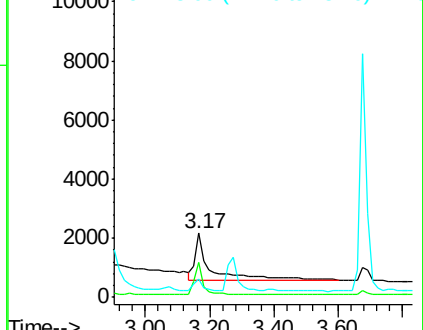
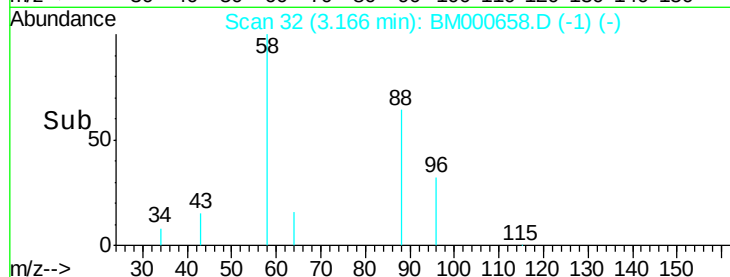
88 100

58 37.9 55.4 83.2#

43 0.0 24.2 36.2#



Abundance Ion 88.00 (87.70 to 88.70): BM000658.D (-1) (-)



#5

Naphthalene

Concen: 0.00 ng/ul

RT: 10.50 min Scan# 527

Delta R.T. 0.01 min

Lab File: BM000658.D

Acq: 04 Mar 2015 22:32

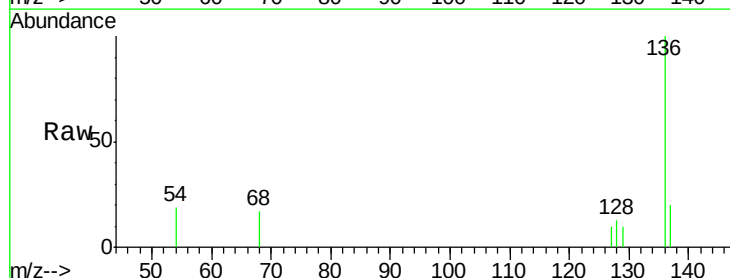
Tgt Ion: 128 Resp: 64

Ion Ratio Lower Upper

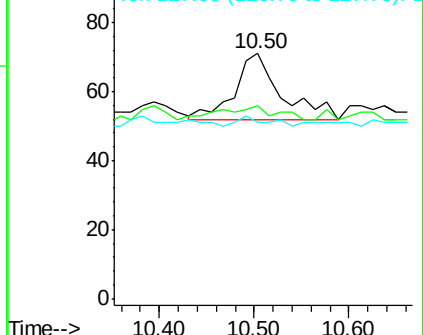
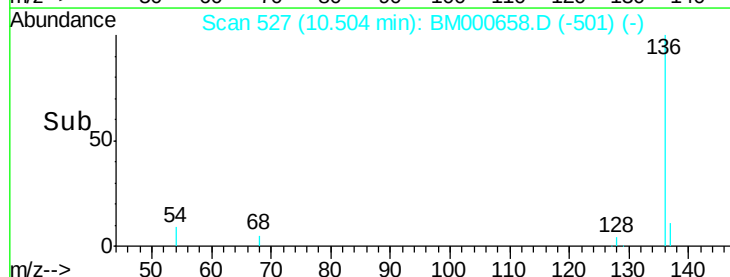
128 100

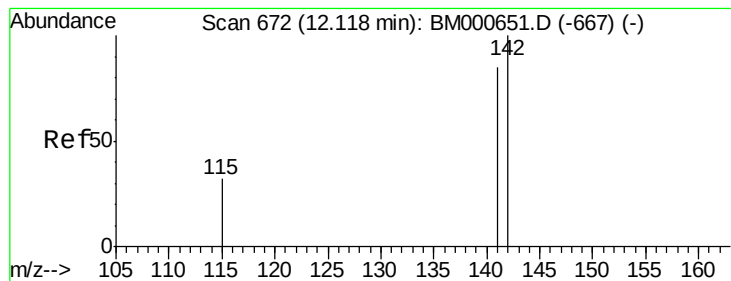
129 78.9 8.5 12.7#

127 71.8 11.0 16.6#



Abundance Ion 128.00 (127.70 to 128.70): BM000658.D (-501) (-)





#7

2-Methylnaphthalene

Concen: 0.00 ng/ul

RT: 11.99 min Scan# 660

Delta R.T. -0.13 min

Lab File: BM000658.D

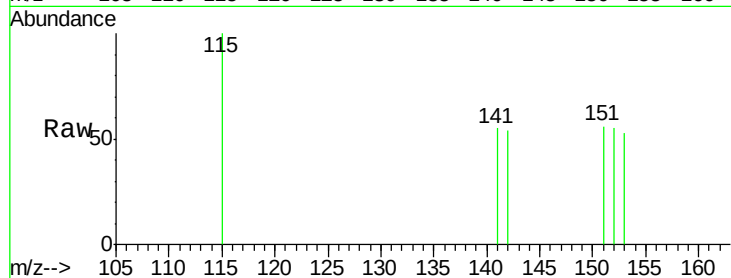
Acq: 04 Mar 2015 22:32

Tgt Ion:142 Resp: 4

Ion Ratio Lower Upper

142 100

141 75.0 70.6 106.0

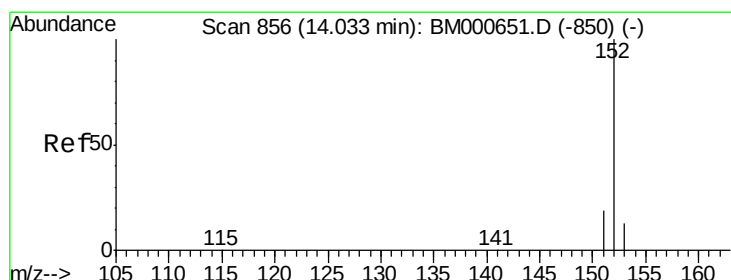
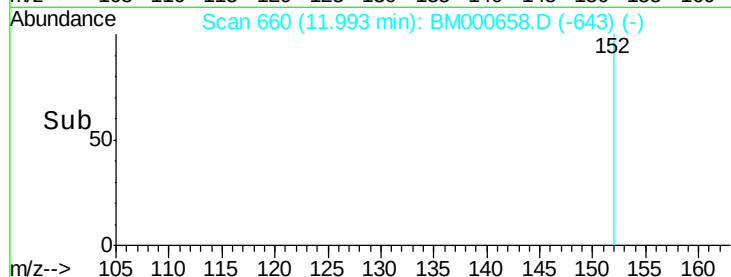


Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

11.99

Time-->



#9

Acenaphthylene

Concen: 0.00 ng/ul

RT: 14.03 min Scan# 856

Delta R.T. -0.00 min

Lab File: BM000658.D

Acq: 04 Mar 2015 22:32

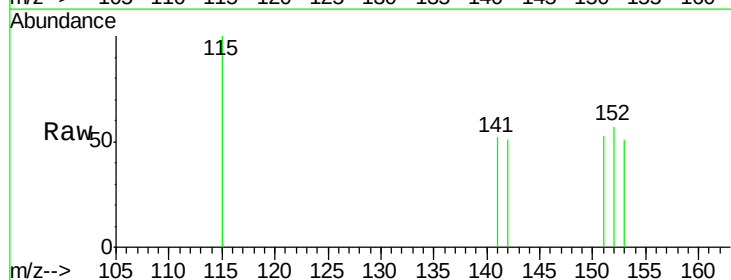
Tgt Ion:152 Resp: 19

Ion Ratio Lower Upper

152 100

151 93.0 16.0 24.0#

153 89.5 10.2 15.4#



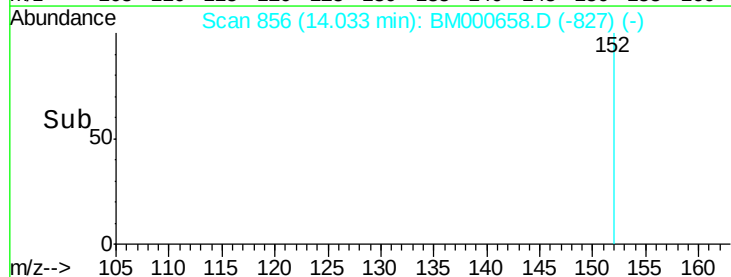
Abundance Ion 152.00 (151.70 to 152.70): E

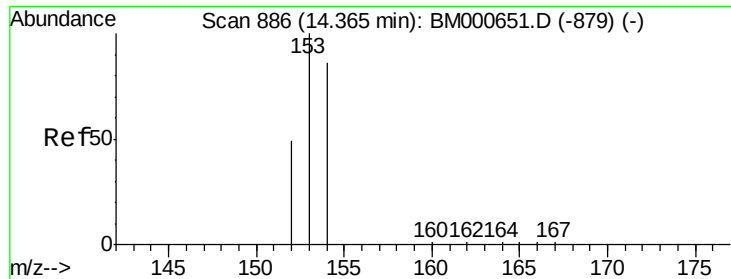
Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E

14.03

Time-->





#10

Acenaphthene

Concen: 0.00 ng/ul

RT: 14.38 min Scan# 887

Delta R.T. 0.01 min

Lab File: BM000658.D

Acq: 04 Mar 2015 22:32

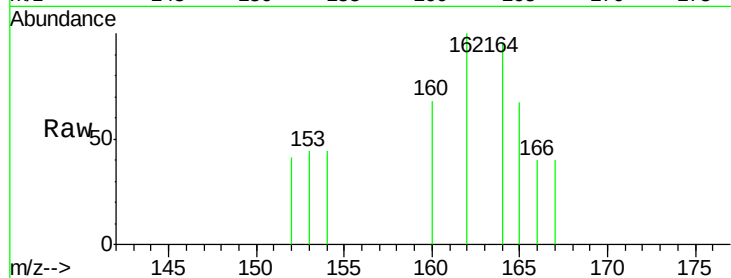
Tgt Ion:153 Resp: 27

Ion Ratio Lower Upper

153 100

152 91.5 34.2 51.2#

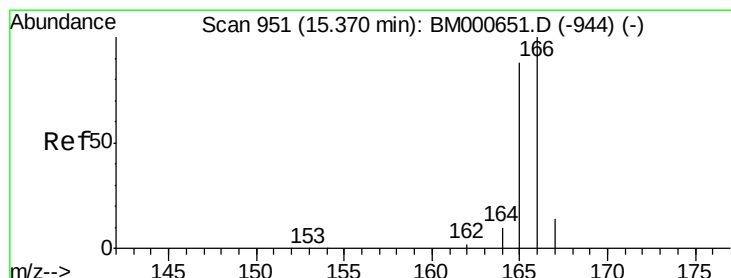
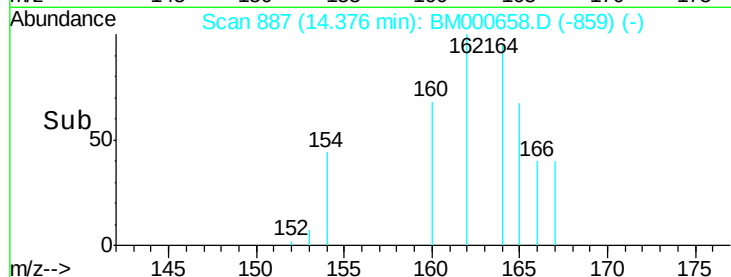
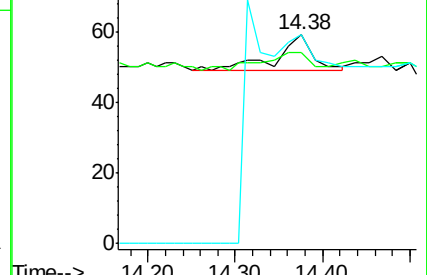
154 100.0 78.8 118.2



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



#11

Fluorene

Concen: 0.00 ng/ul

RT: 15.38 min Scan# 952

Delta R.T. 0.01 min

Lab File: BM000658.D

Acq: 04 Mar 2015 22:32

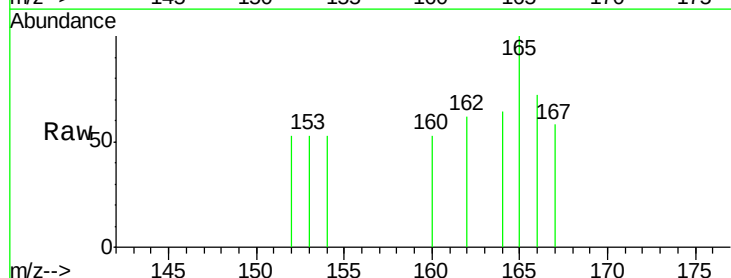
Tgt Ion:166 Resp: 35

Ion Ratio Lower Upper

166 100

165 138.6 78.5 117.7#

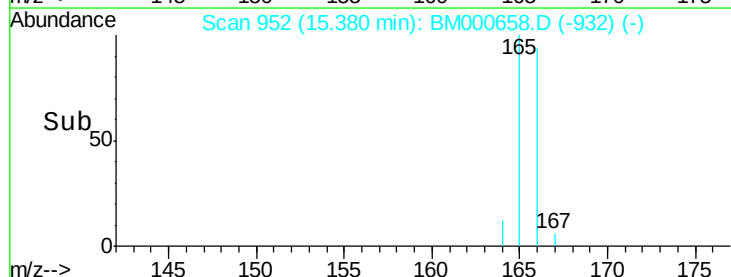
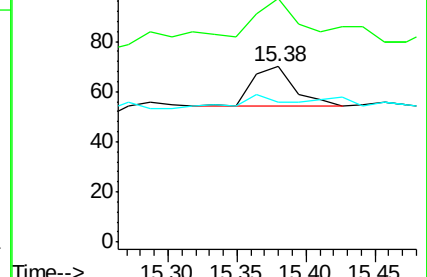
167 80.0 10.6 16.0#

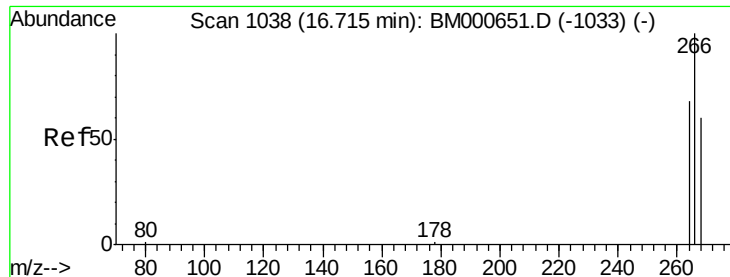


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

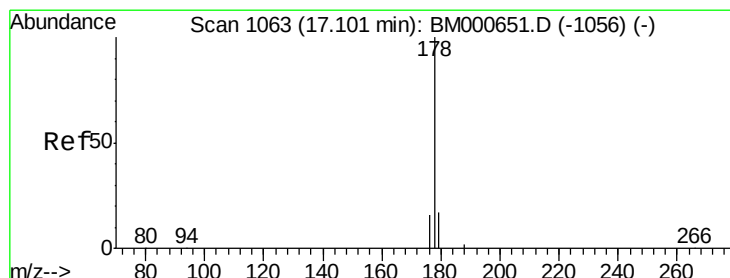
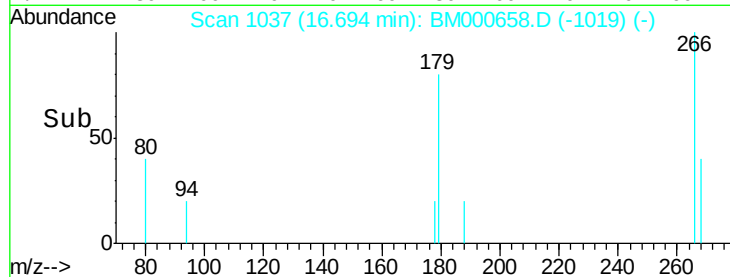
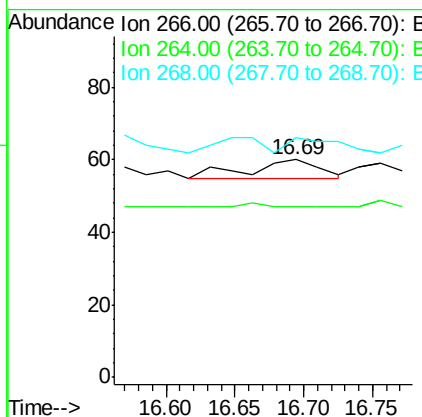
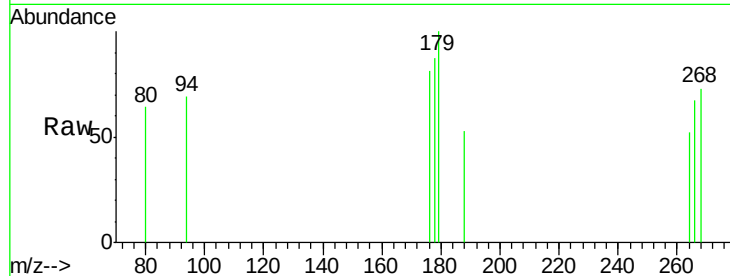
Ion 167.00 (166.70 to 167.70): E





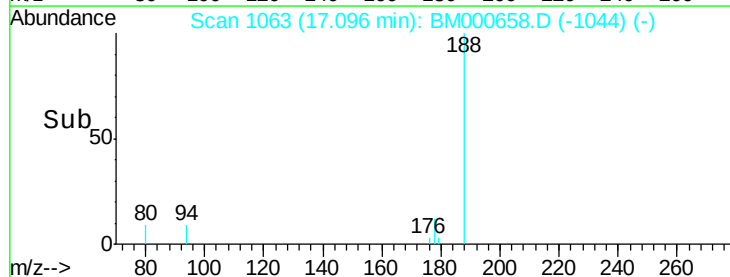
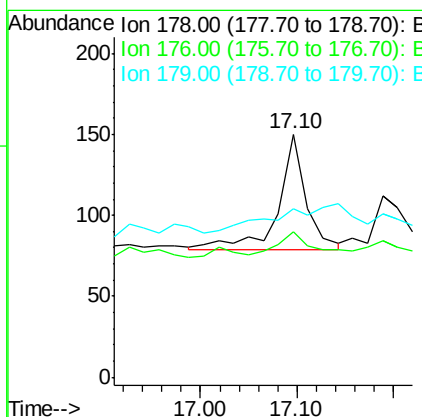
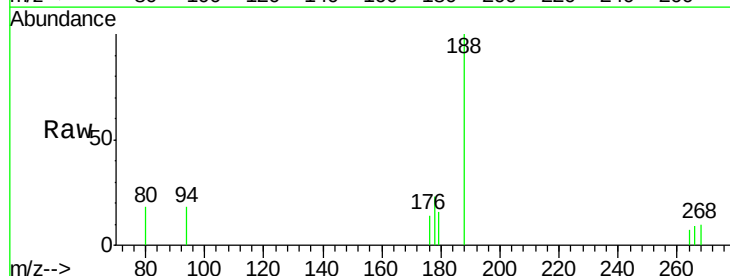
#13
 Pentachlorophenol
 Concen: 0.01 ng/ul
 RT: 16.69 min Scan# 1037
 Delta R.T. -0.02 min
 Lab File: BM000658.D
 Acq: 04 Mar 2015 22:32

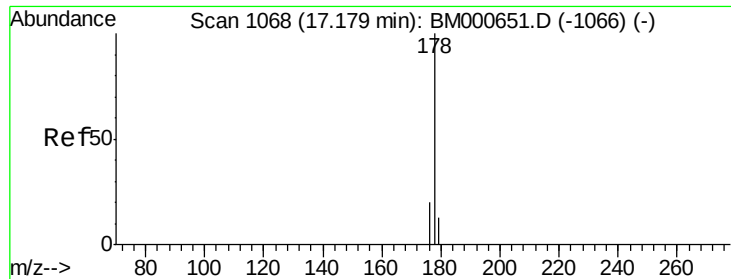
Tgt Ion: 266 Resp: 18
 Ion Ratio Lower Upper
 266 100
 264 0.0 51.0 76.4#
 268 55.6 49.4 74.2



#14
 Phenanthrene
 Concen: 0.00 ng/ul
 RT: 17.10 min Scan# 1063
 Delta R.T. -0.01 min
 Lab File: BM000658.D
 Acq: 04 Mar 2015 22:32

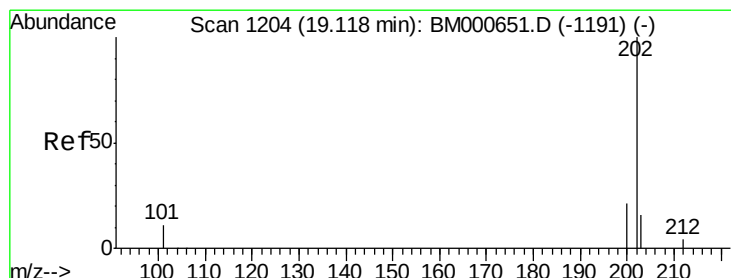
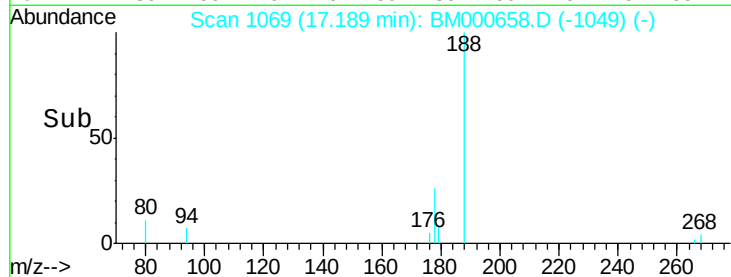
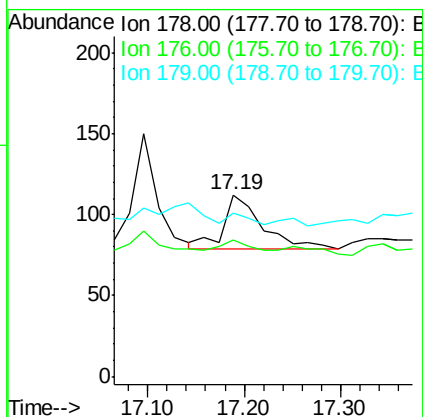
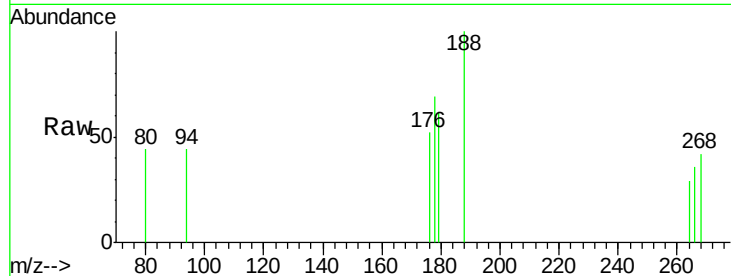
Tgt Ion: 178 Resp: 143
 Ion Ratio Lower Upper
 178 100
 176 60.0 14.8 22.2#
 179 69.3 12.7 19.1#





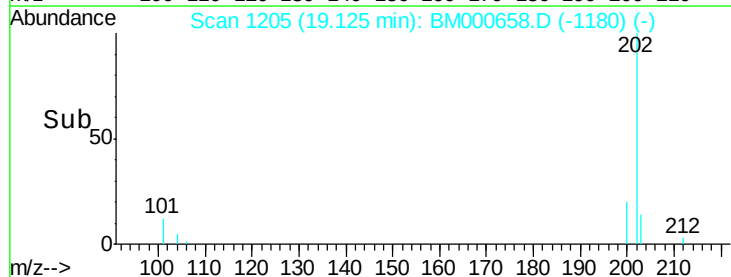
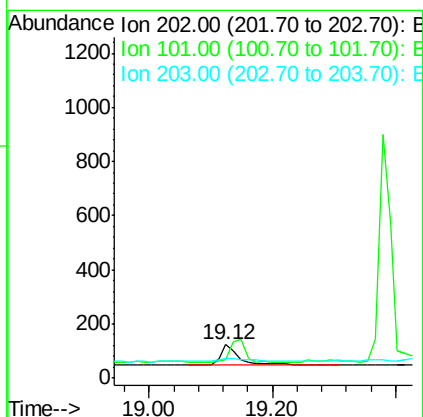
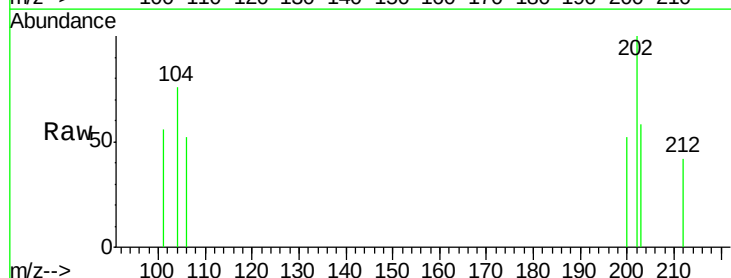
#15
 Anthracene
 Concen: 0.00 ng/ul
 RT: 17.19 min Scan# 1069
 Delta R.T. 0.01 min
 Lab File: BM000658.D
 Acq: 04 Mar 2015 22:32

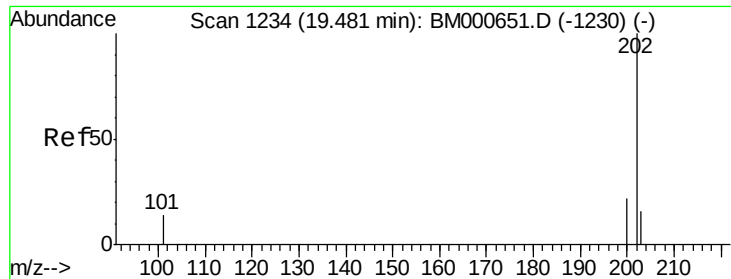
Tgt Ion:178 Resp: 92
 Ion Ratio Lower Upper
 178 100
 176 75.0 14.2 21.4#
 179 90.2 12.8 19.2#



#17
 Fluoranthene
 Concen: 0.00 ng/ul
 RT: 19.12 min Scan# 1205
 Delta R.T. 0.01 min
 Lab File: BM000658.D
 Acq: 04 Mar 2015 22:32

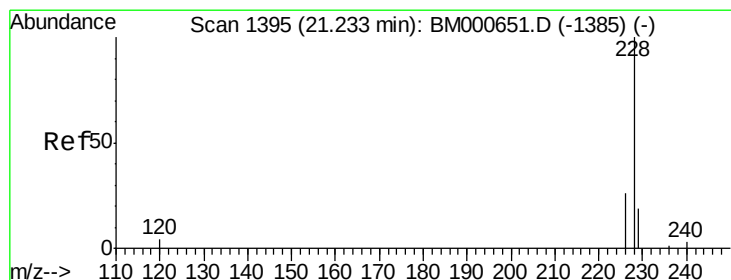
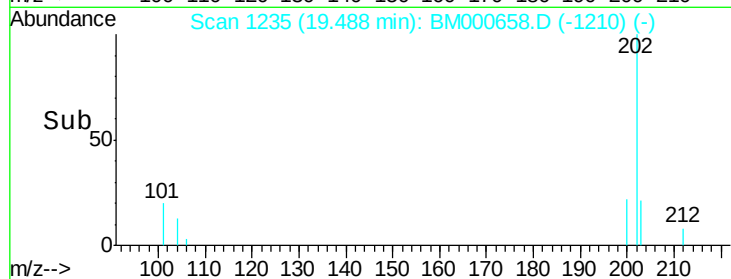
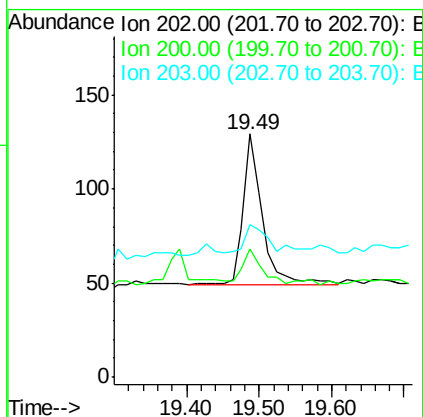
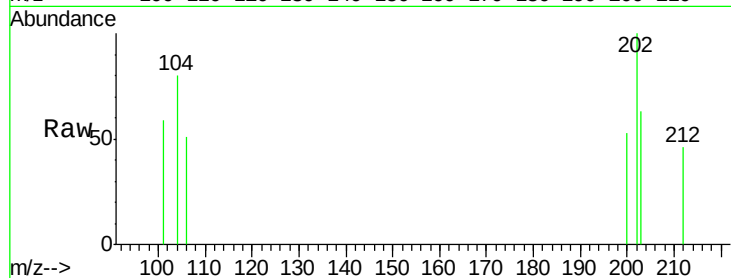
Tgt Ion:202 Resp: 149
 Ion Ratio Lower Upper
 202 100
 101 56.5 0.0 27.0#
 203 58.1 0.0 38.5#





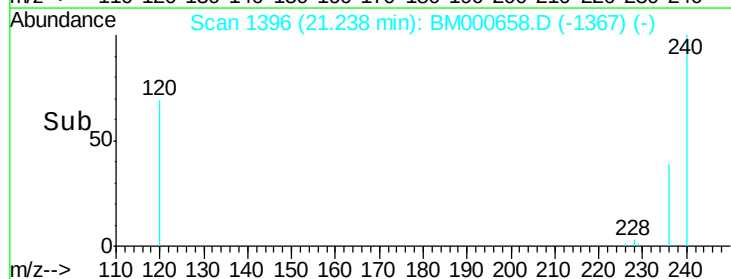
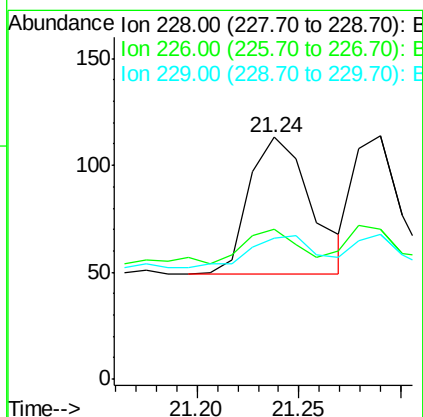
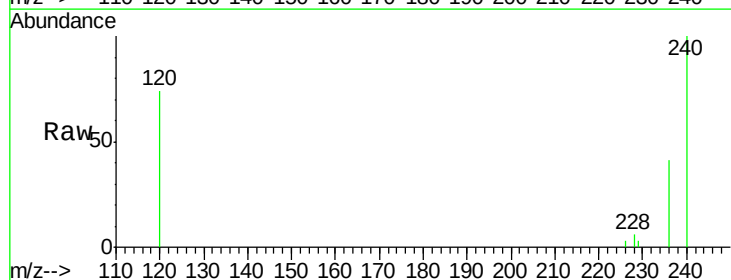
#19
Pyrene
Concen: 0.00 ng/ul
RT: 19.49 min Scan# 1235
Delta R.T. 0.01 min
Lab File: BM000658.D
Acq: 04 Mar 2015 22:32

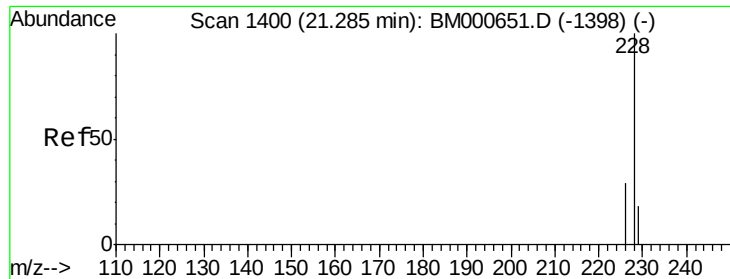
Tgt Ion: 202 Resp: 150
Ion Ratio Lower Upper
202 100
200 52.7 15.5 23.3#
203 62.8 14.2 21.2#



#20
Benzo(a)anthracene
Concen: 0.00 ng/ul
RT: 21.24 min Scan# 1396
Delta R.T. 0.01 min
Lab File: BM000658.D
Acq: 04 Mar 2015 22:32

Tgt Ion: 228 Resp: 136
Ion Ratio Lower Upper
228 100
226 61.9 20.0 30.0#
229 58.4 16.7 25.1#





#21

Chrysene

Concen: 0.00 ng/ul

RT: 21.29 min Scan# 1401

Delta R.T. 0.01 min

Lab File: BM000658.D

Acq: 04 Mar 2015 22:32

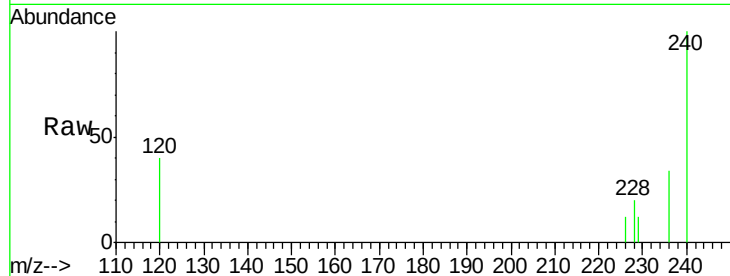
Tgt Ion: 228 Resp: 101

Ion Ratio Lower Upper

228 100

226 61.4 22.6 33.8#

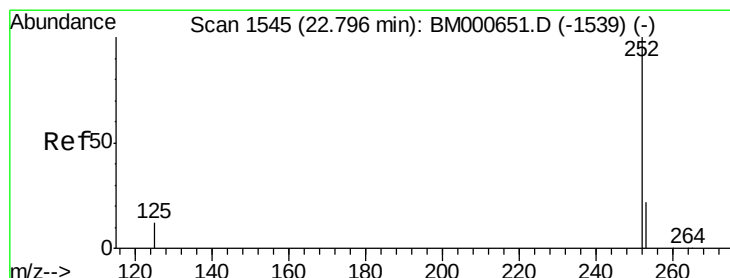
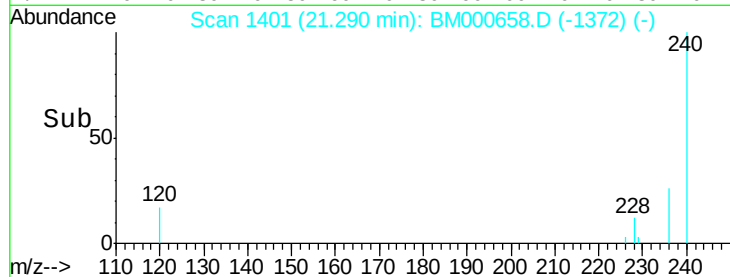
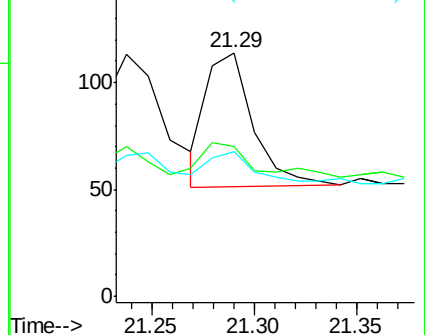
229 59.6 16.4 24.6#



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



#23

Benzo(b)fluoranthene

Concen: 0.02 ng/ul

RT: 22.66 min Scan# 1532

Delta R.T. -0.14 min

Lab File: BM000658.D

Acq: 04 Mar 2015 22:32

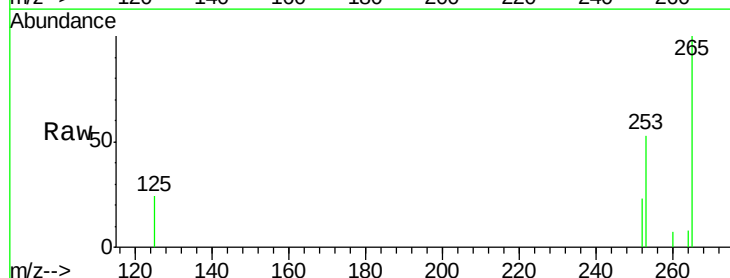
Tgt Ion: 252 Resp: 928

Ion Ratio Lower Upper

252 100

253 236.5 0.0 51.2#

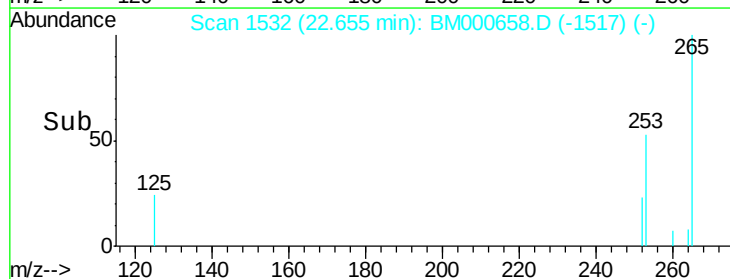
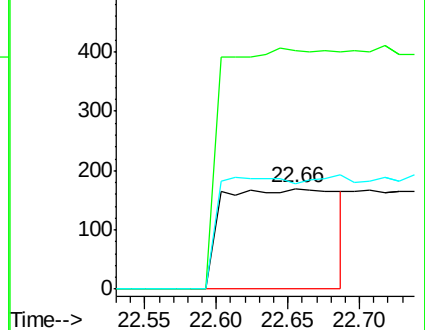
125 104.7 0.0 30.0#

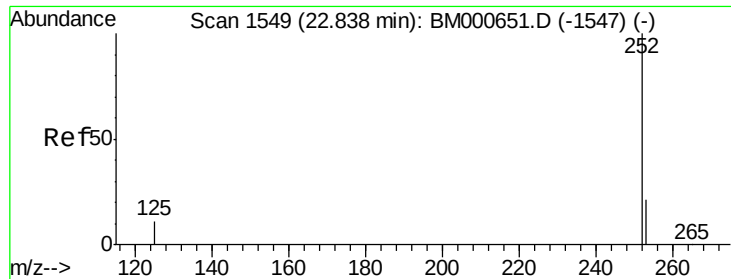


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

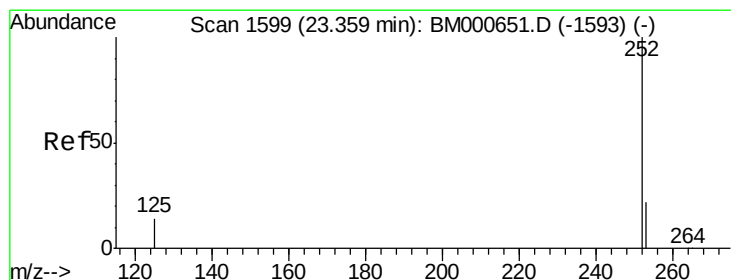
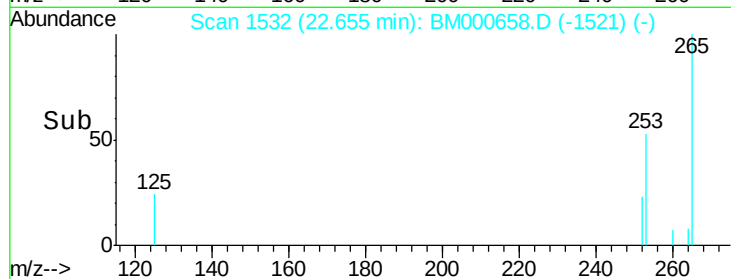
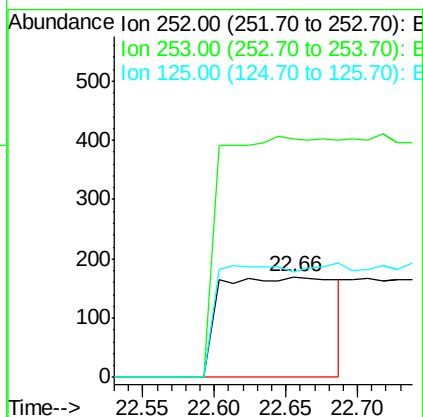
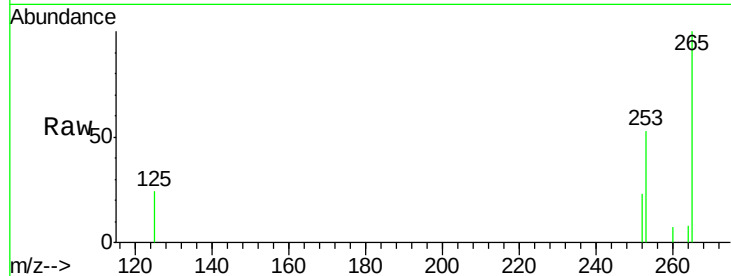
Ion 125.00 (124.70 to 125.70): E





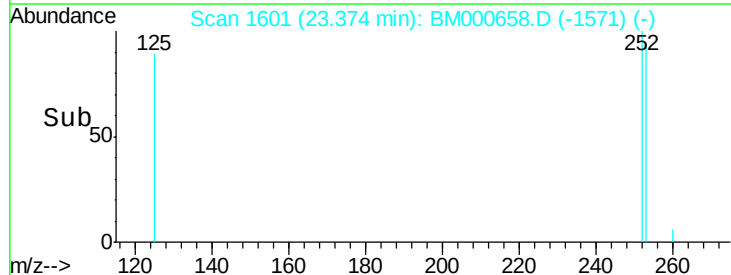
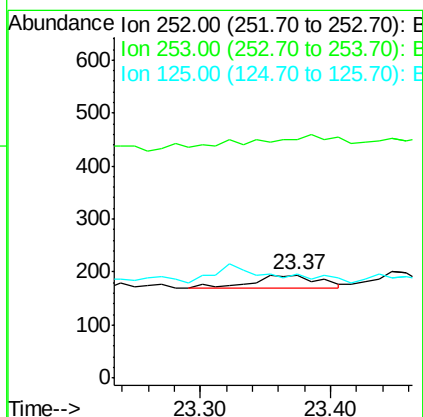
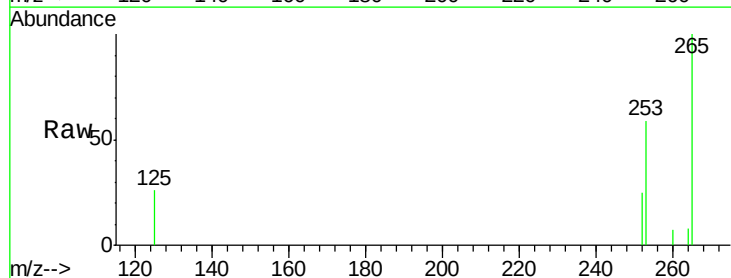
#24
Benzo(k)fluoranthene
Concen: 0.02 ng/ul
RT: 22.66 min Scan# 1532
Delta R.T. -0.18 min
Lab File: BM000658.D
Acq: 04 Mar 2015 22:32

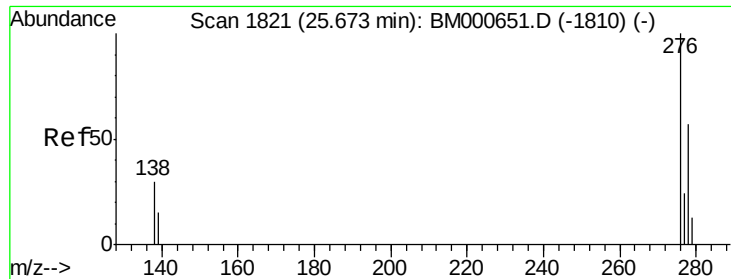
Tgt Ion: 252 Resp: 928
Ion Ratio Lower Upper
252 100
253 236.5 20.5 30.7#
125 104.7 11.8 17.6#



#25
Benzo(a)pyrene
Concen: 0.00 ng/ul
RT: 23.37 min Scan# 1601
Delta R.T. 0.02 min
Lab File: BM000658.D
Acq: 04 Mar 2015 22:32

Tgt Ion: 252 Resp: 91
Ion Ratio Lower Upper
252 100
253 230.3 23.4 35.0#
125 101.0 12.2 18.4#

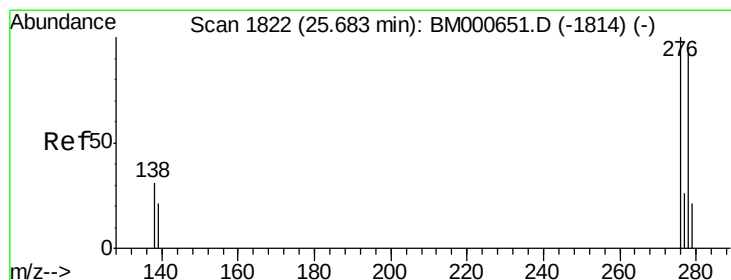
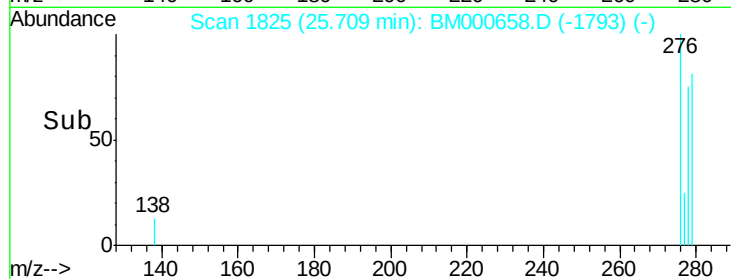
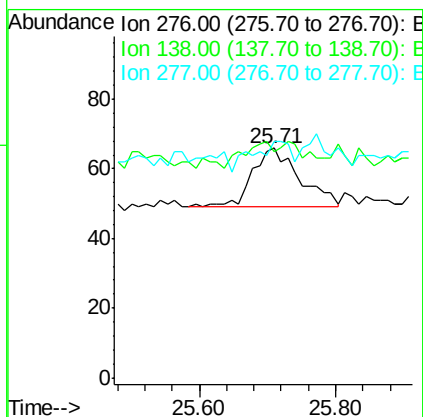
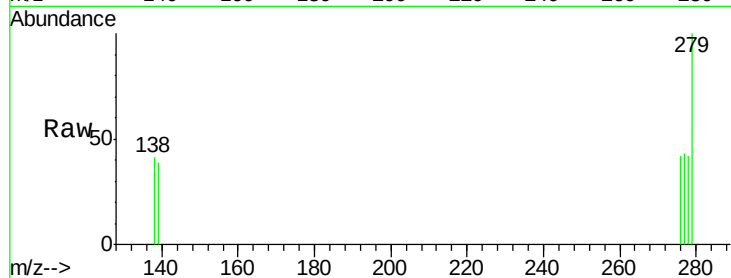




#26

Indeno(1,2,3-cd)pyrene
Concen: 0.00 ng/ul
RT: 25.71 min Scan# 1825
Delta R.T. 0.04 min
Lab File: BM000658.D
Acq: 04 Mar 2015 22:32

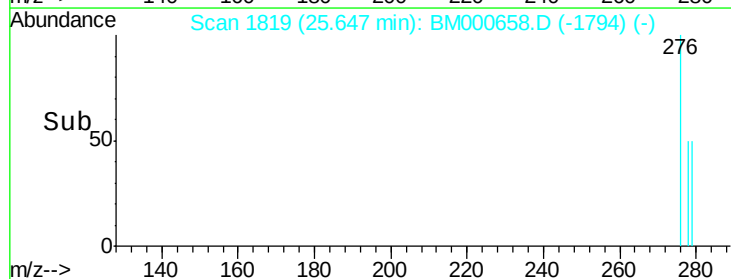
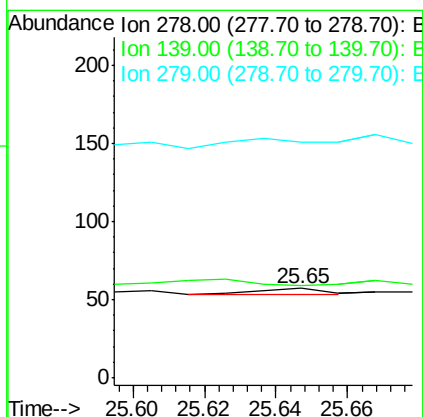
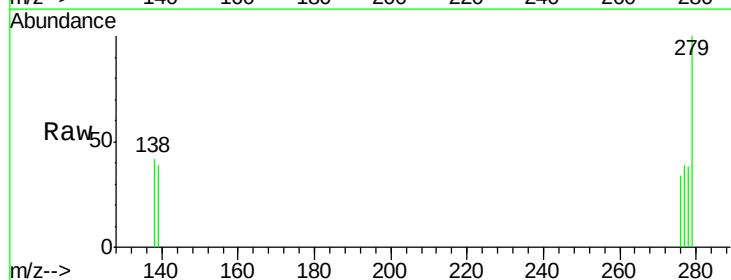
Tgt Ion: 276 Resp: 83
Ion Ratio Lower Upper
276 100
138 28.9 23.8 35.8
277 13.3 19.7 29.5#

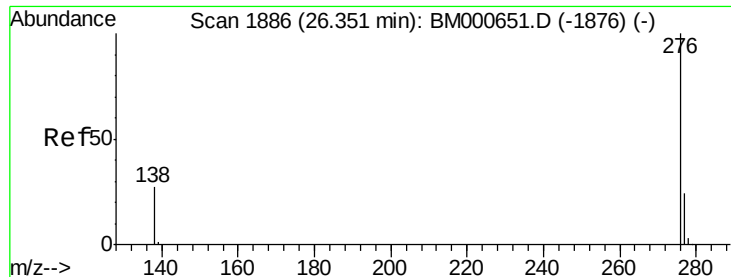


#27

Dibenzo(a,h)anthracene
Concen: 0.00 ng/ul
RT: 25.65 min Scan# 1819
Delta R.T. -0.04 min
Lab File: BM000658.D
Acq: 04 Mar 2015 22:32

Tgt Ion: 278 Resp: 6
Ion Ratio Lower Upper
278 100
139 103.5 17.0 25.6#
279 264.9 22.3 33.5#





#28

Benzo(g,h,i)perylene

Concen: 0.00 ng/ul

RT: 26.38 min Scan# 1889

Delta R.T. 0.03 min

Lab File: BM000658.D

Acq: 04 Mar 2015 22:32

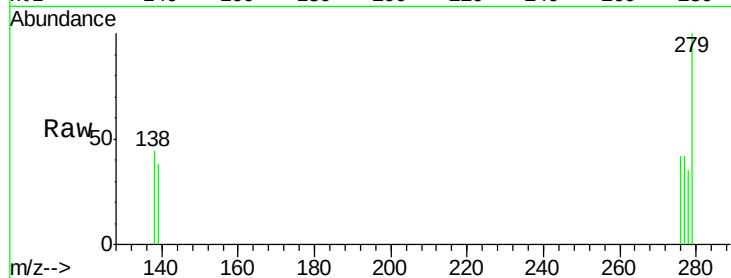
Tgt Ion: 276 Resp: 86

Ion Ratio Lower Upper

276 100

277 98.5 19.9 29.9#

138 103.0 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

