

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM030415\
 Data File : BM000652.D
 Acq On : 04 Mar 2015 18:58
 Operator : TP/IZ
 Sample : MDL-BLK-S
 Misc : MDL-SOIL-BLK-SBLK31
 ALS Vial : 16 Sample Multiplier: 1

Quant Time: Mar 05 02:33:45 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 02:23:58 2015

Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.67	152	4938	0.40	ng/ul	0.00
4) Naphthalene-d8	10.46	136	18089	0.40	ng/ul	0.01
8) Acenaphthene-d10	14.30	164	10318	0.40	ng/ul	0.00
12) Phenanthrene-d10	17.05	188	22513	0.40	ng/ul	0.00
18) Chrysene-d12	21.25	240	16535	0.40	ng/ul	0.00
22) Perylene-d12	23.45	264	13077	0.40	ng/ul	-0.01

System Monitoring Compounds

2) 1,4-Dioxane-d8	3.14	96	7505	2.08	ng/uL	0.00
6) 2-Methylnaphthalene-d10	12.08	152	9	0.00	ng/ul	0.03
16) Fluoranthene-d10	19.09	212	20	0.00	ng/ul	0.00

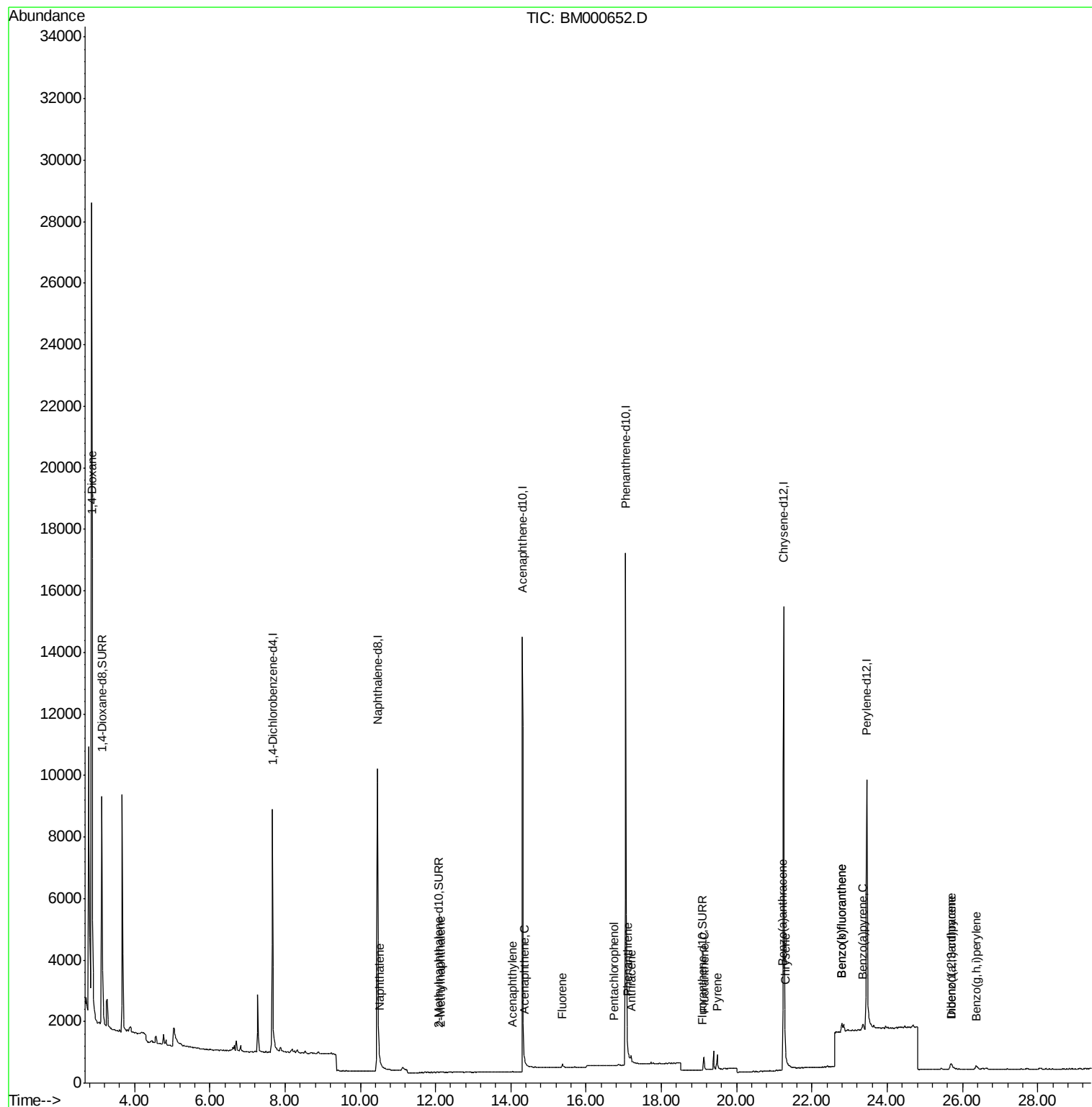
Target Compounds

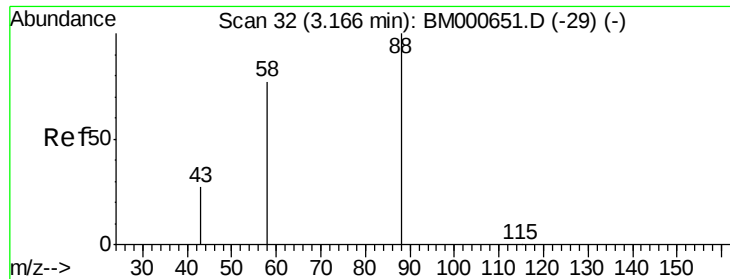
						Qvalue
3) 1,4-Dioxane	2.87	88	10049	1.80	ng/ul#	1
5) Naphthalene	10.50	128	60	0.00	ng/ul#	1
7) 2-Methylnaphthalene	12.14	142	36	0.00	ng/ul	90
9) Acenaphthylene	14.04	152	49	0.00	ng/ul#	1
10) Acenaphthene	14.37	153	51	0.00	ng/ul#	79
11) Fluorene	15.37	166	128	0.00	ng/ul#	61
13) Pentachlorophenol	16.73	266	18	0.01	ng/ul#	52
14) Phenanthrene	17.10	178	434	0.01	ng/ul#	46
15) Anthracene	17.19	178	313	0.01	ng/ul#	26
17) Fluoranthene	19.13	202	566	0.01	ng/ul#	54
19) Pyrene	19.49	202	581	0.01	ng/ul#	71
20) Benzo(a)anthracene	21.23	228	472	0.01	ng/ul#	76
21) Chrysene	21.28	228	514	0.01	ng/ul#	76
23) Benzo(b)fluoranthene	22.80	252	418	0.01	ng/ul#	1
24) Benzo(k)fluoranthene	22.80	252	418	0.01	ng/ul#	1
25) Benzo(a)pyrene	23.36	252	343	0.01	ng/ul#	1
26) Indeno(1,2,3-cd)pyrene	25.69	276	371	0.01	ng/ul	95
27) Dibenzo(a,h)anthracene	25.71	278	308	0.01	ng/ul#	1
28) Benzo(g,h,i)perylene	26.36	276	328	0.01	ng/ul#	23

(#) = 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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#3

1,4-Dioxane

Concen: 1.80 ng/ul

RT: 2.87 min Scan# 13

Delta R.T. -0.29 min

Lab File: BM000652.D

Acq: 04 Mar 2015 18:58

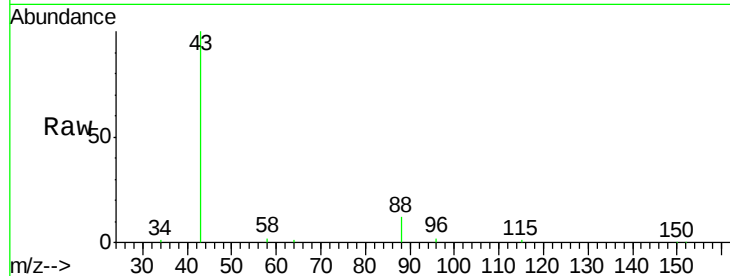
Tgt Ion: 88 Resp: 10049

Ion Ratio Lower Upper

88 100

58 4.5 55.4 83.2#

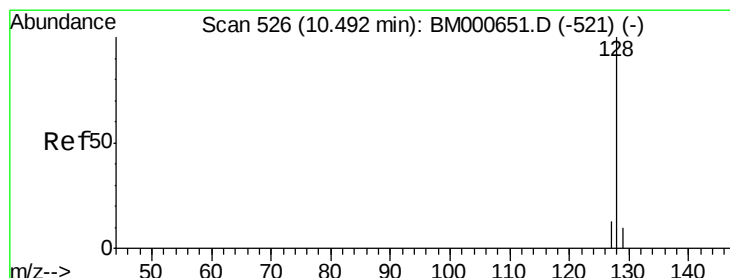
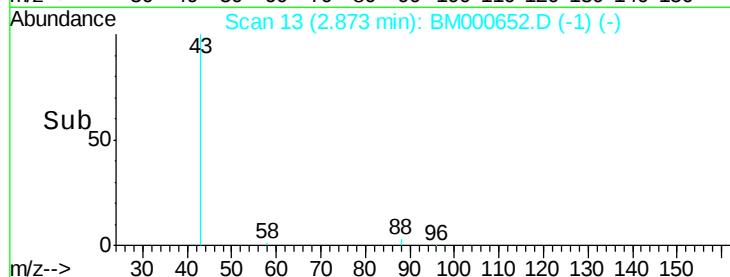
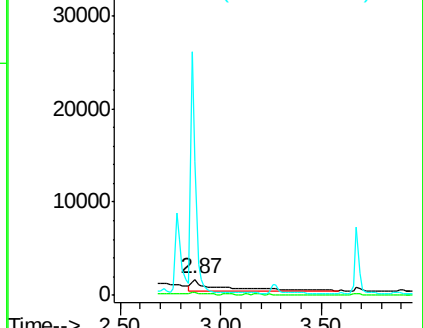
43 430.7 24.2 36.2#



Abundance Ion 88.00 (87.70 to 88.70): BM000651.D (-29) (-)

Ion 58.00 (57.70 to 58.70): BM000651.D (-29) (-)

Ion 43.00 (42.70 to 43.70): BM000651.D (-29) (-)



#5

Naphthalene

Concen: 0.00 ng/ul

RT: 10.50 min Scan# 527

Delta R.T. 0.01 min

Lab File: BM000652.D

Acq: 04 Mar 2015 18:58

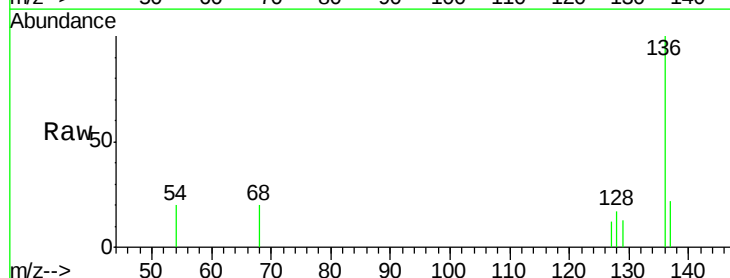
Tgt Ion: 128 Resp: 60

Ion Ratio Lower Upper

128 100

129 72.2 8.5 12.7#

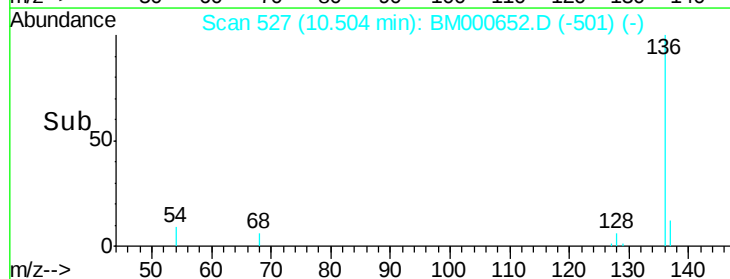
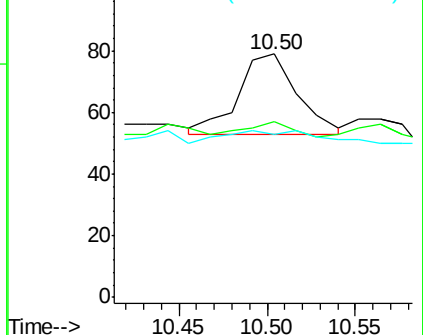
127 67.1 11.0 16.6#

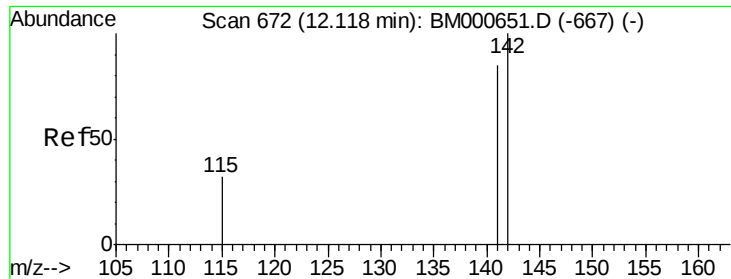


Abundance Ion 128.00 (127.70 to 128.70): BM000651.D (-521) (-)

Ion 129.00 (128.70 to 129.70): BM000651.D (-521) (-)

Ion 127.00 (126.70 to 127.70): BM000651.D (-521) (-)





#7

2-Methylnaphthalene

Concen: 0.00 ng/ul

RT: 12.14 min Scan# 674

Delta R.T. 0.02 min

Lab File: BM000652.D

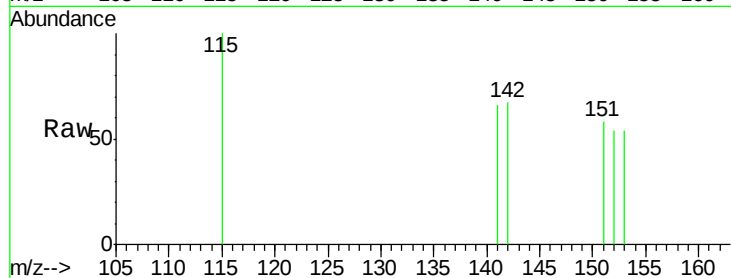
Acq: 04 Mar 2015 18:58

Tgt Ion:142 Resp: 36

Ion Ratio Lower Upper

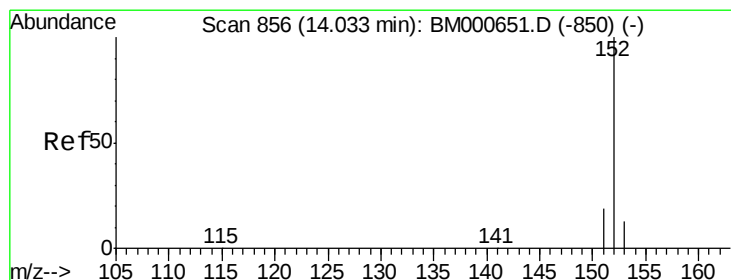
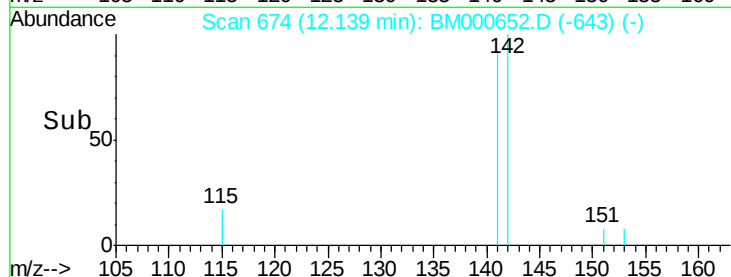
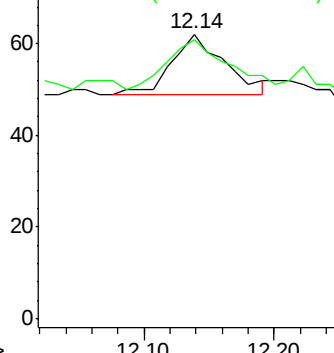
142 100

141 97.2 70.6 106.0



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E



#9

Acenaphthylene

Concen: 0.00 ng/ul

RT: 14.04 min Scan# 857

Delta R.T. 0.01 min

Lab File: BM000652.D

Acq: 04 Mar 2015 18:58

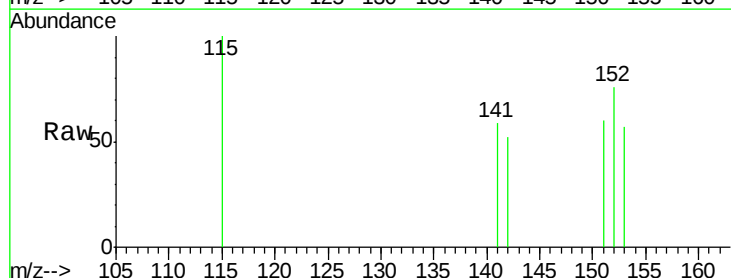
Tgt Ion:152 Resp: 49

Ion Ratio Lower Upper

152 100

151 78.9 16.0 24.0#

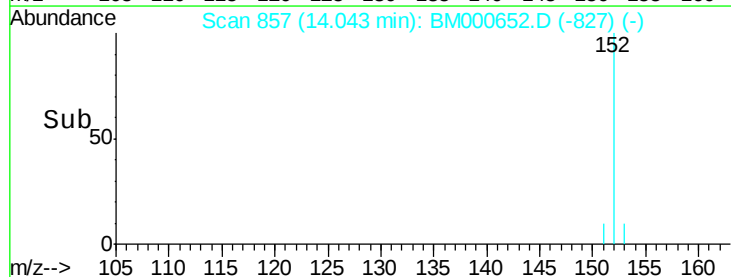
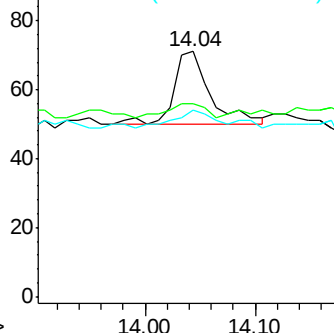
153 76.1 10.2 15.4#

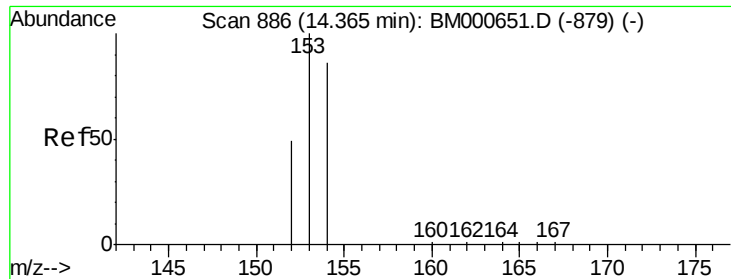


Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E





#10

Acenaphthene

Concen: 0.00 ng/ul

RT: 14.37 min Scan# 886

Delta R.T. 0.00 min

Lab File: BM000652.D

Acq: 04 Mar 2015 18:58

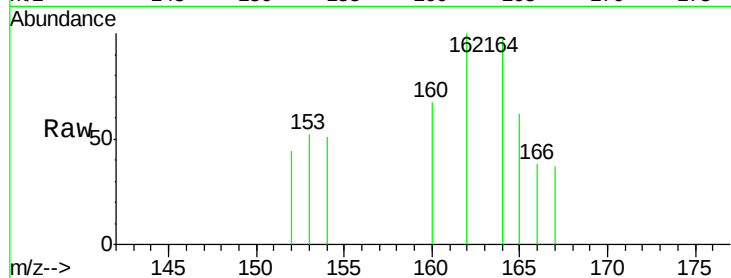
Tgt Ion:153 Resp: 51

Ion Ratio Lower Upper

153 100

152 85.3 34.2 51.2#

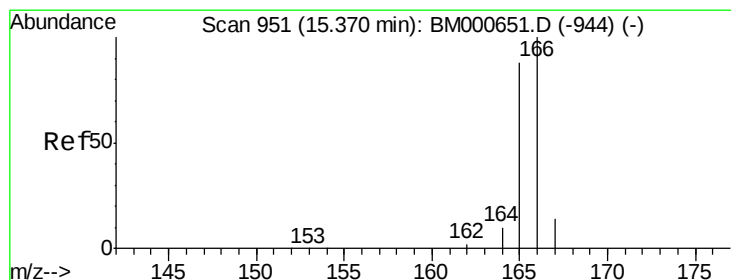
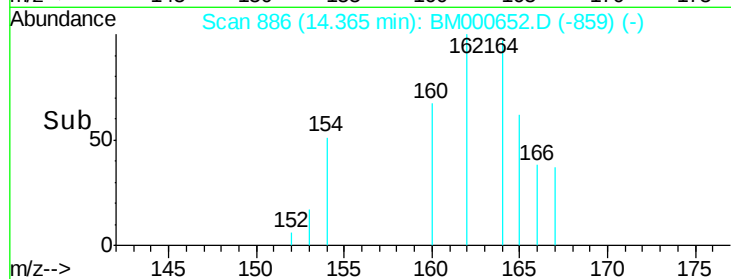
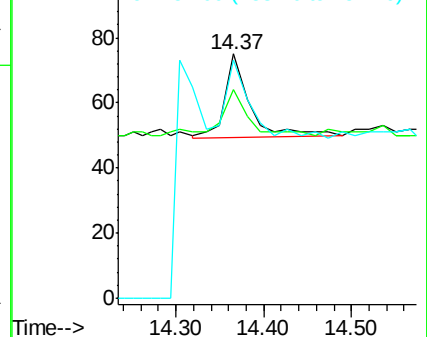
154 97.3 78.8 118.2



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: 15.37 min Scan# 951

Delta R.T. 0.00 min

Lab File: BM000652.D

Acq: 04 Mar 2015 18:58

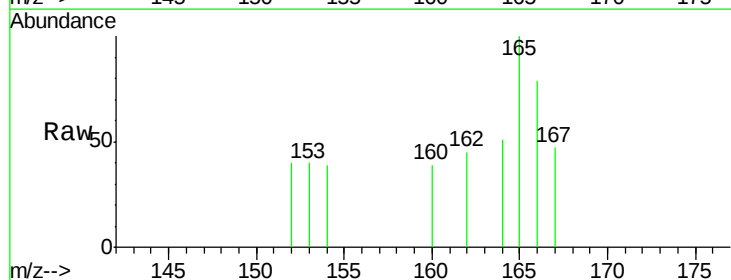
Tgt Ion:166 Resp: 128

Ion Ratio Lower Upper

166 100

165 126.0 78.5 117.7#

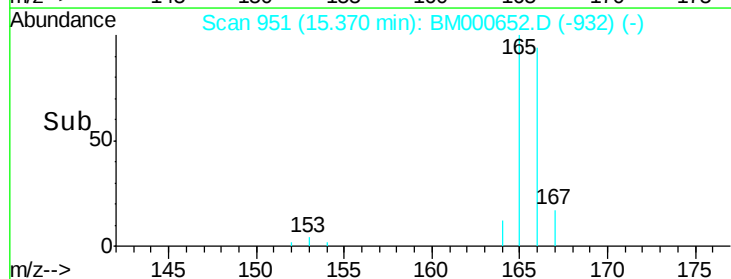
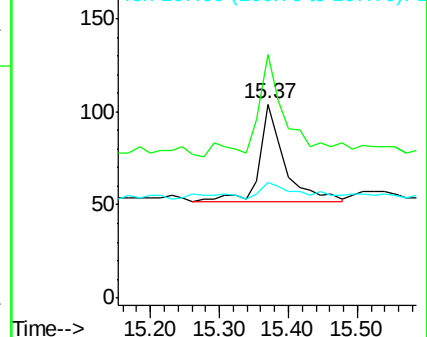
167 59.6 10.6 16.0#

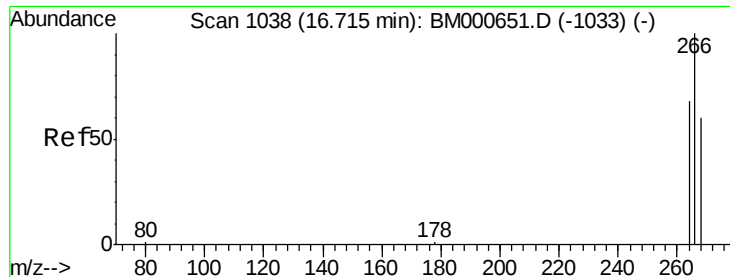


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

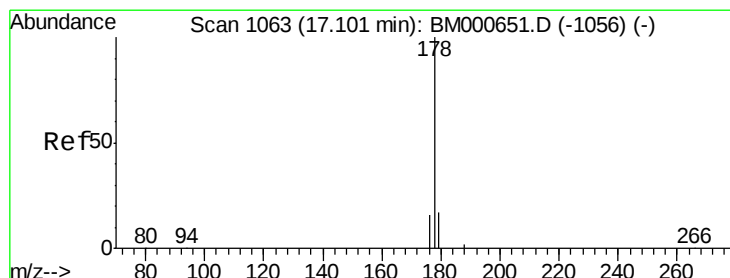
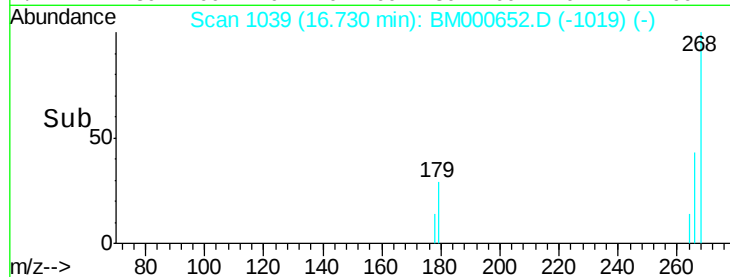
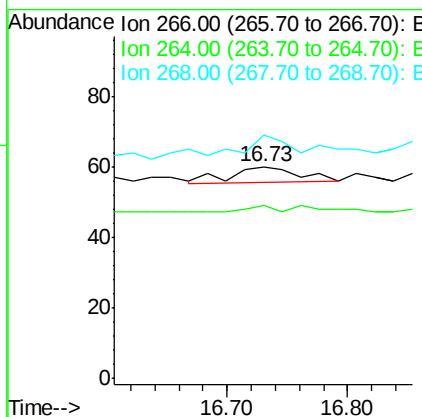
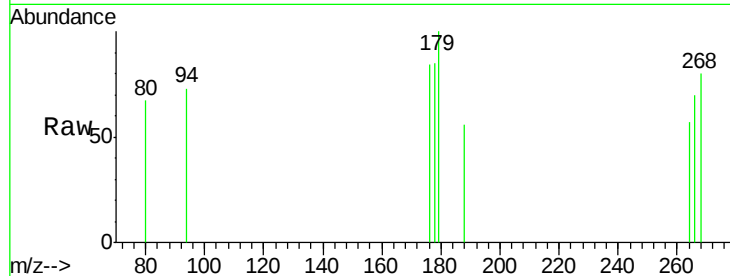
Ion 167.00 (166.70 to 167.70): E





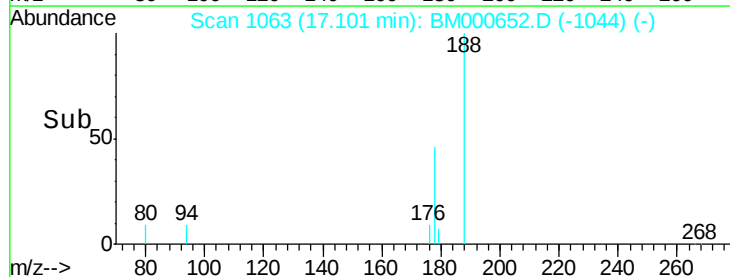
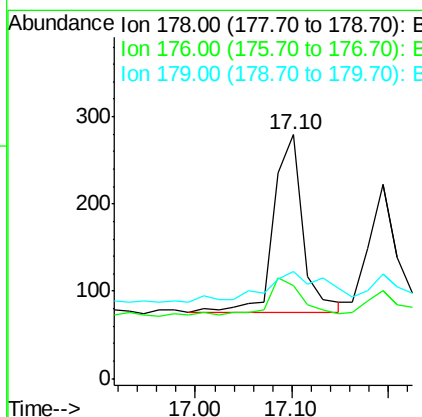
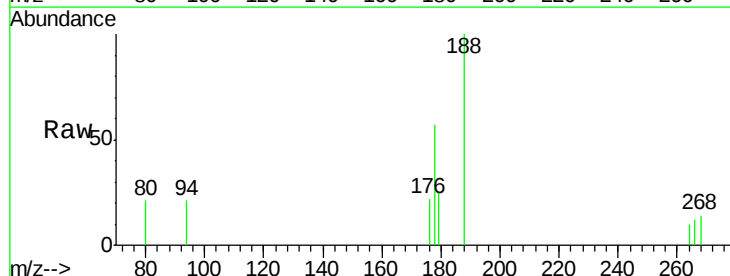
#13
 Pentachlorophenol
 Concen: 0.01 ng/ul
 RT: 16.73 min Scan# 1039
 Delta R.T. 0.02 min
 Lab File: BM000652.D
 Acq: 04 Mar 2015 18:58

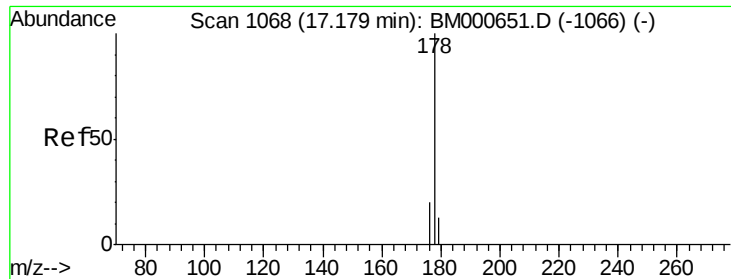
Tgt Ion: 266 Resp: 18
 Ion Ratio Lower Upper
 266 100
 264 16.7 51.0 76.4#
 268 88.9 49.4 74.2#



#14
 Phenanthrene
 Concen: 0.01 ng/ul
 RT: 17.10 min Scan# 1063
 Delta R.T. 0.00 min
 Lab File: BM000652.D
 Acq: 04 Mar 2015 18:58

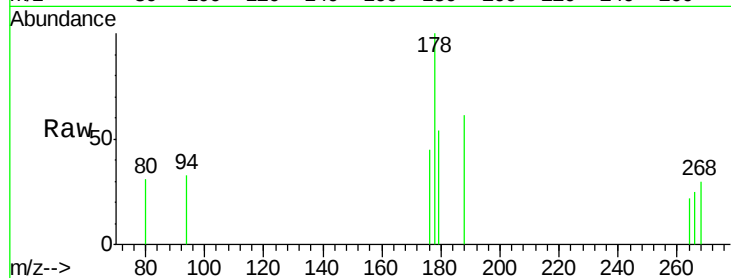
Tgt Ion: 178 Resp: 434
 Ion Ratio Lower Upper
 178 100
 176 38.0 14.8 22.2#
 179 43.7 12.7 19.1#



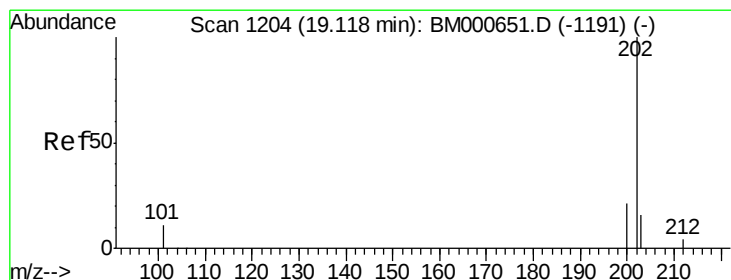
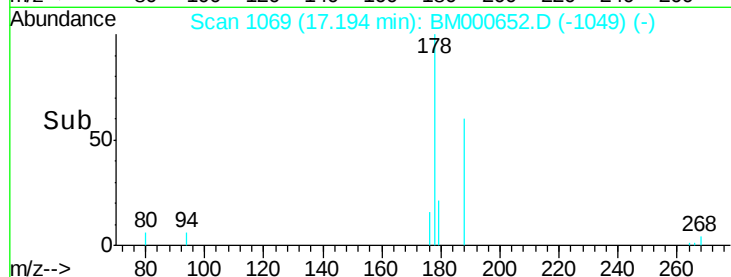
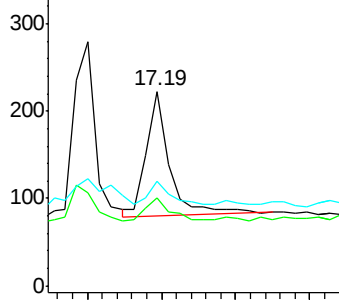


#15
 Anthracene
 Concen: 0.01 ng/ul
 RT: 17.19 min Scan# 1069
 Delta R.T. 0.02 min
 Lab File: BM000652.D
 Acq: 04 Mar 2015 18:58

Tgt Ion:178 Resp: 313
 Ion Ratio Lower Upper
 178 100
 176 44.8 14.2 21.4#
 179 53.8 12.8 19.2#

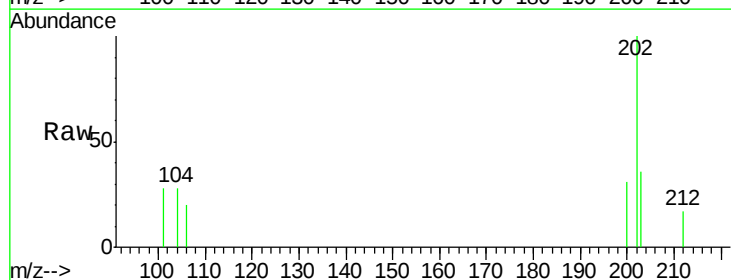


Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E

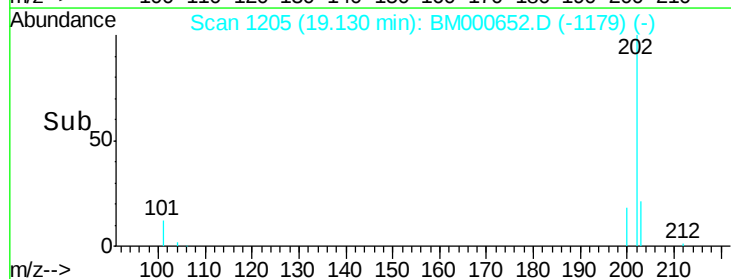
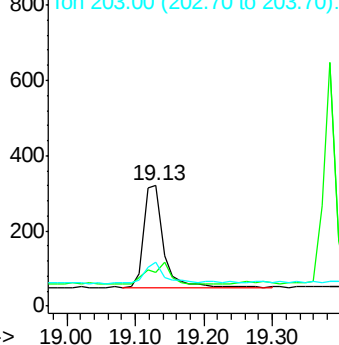


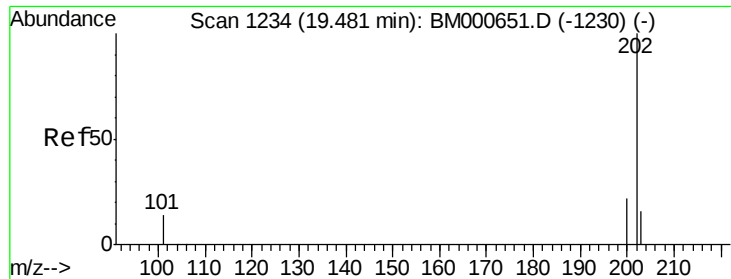
#17
 Fluoranthene
 Concen: 0.01 ng/ul
 RT: 19.13 min Scan# 1205
 Delta R.T. 0.01 min
 Lab File: BM000652.D
 Acq: 04 Mar 2015 18:58

Tgt Ion:202 Resp: 566
 Ion Ratio Lower Upper
 202 100
 101 28.0 0.0 27.0#
 203 36.4 0.0 38.5



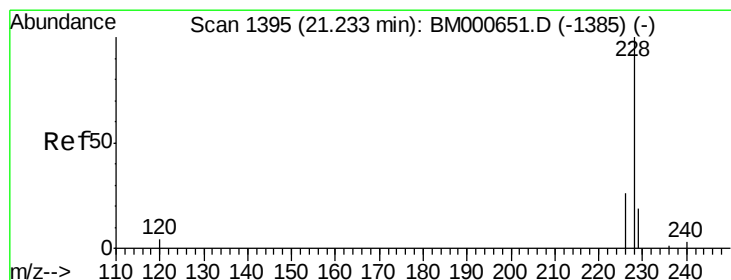
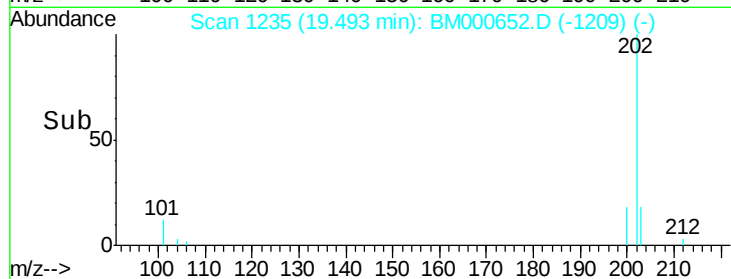
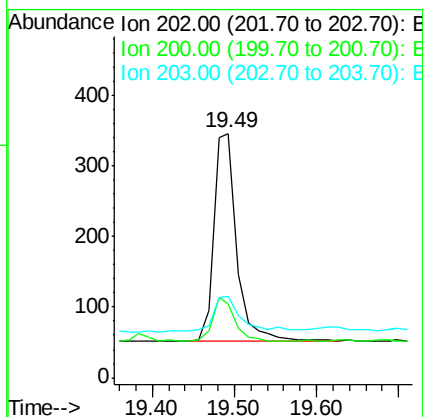
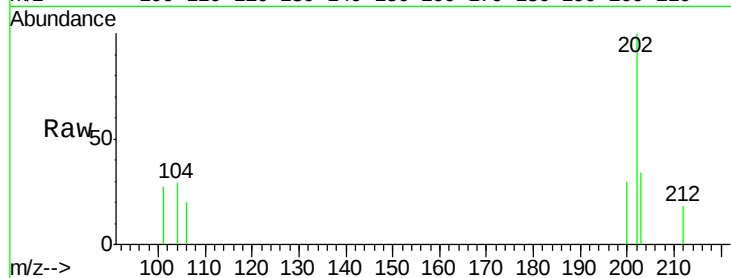
Abundance Ion 202.00 (201.70 to 202.70): E
 Ion 101.00 (100.70 to 101.70): E
 Ion 203.00 (202.70 to 203.70): E





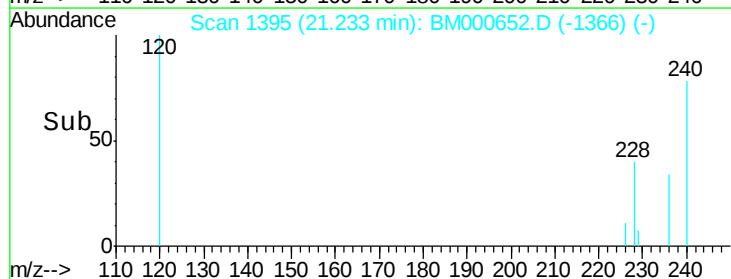
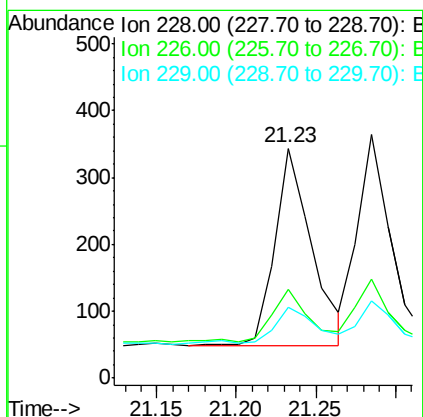
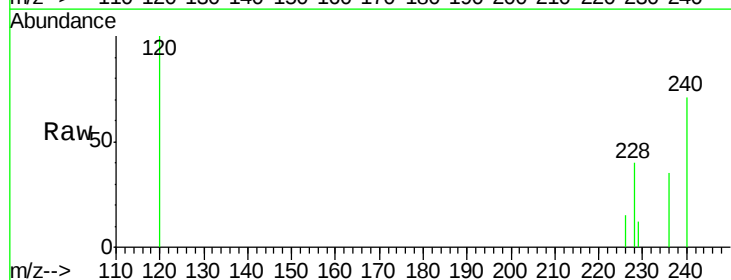
#19
Pyrene
Concen: 0.01 ng/ul
RT: 19.49 min Scan# 1235
Delta R.T. 0.01 min
Lab File: BM000652.D
Acq: 04 Mar 2015 18:58

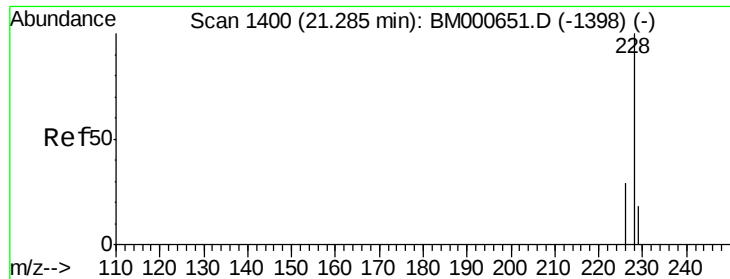
Tgt Ion: 202 Resp: 581
Ion Ratio Lower Upper
202 100
200 30.1 15.5 23.3#
203 33.5 14.2 21.2#



#20
Benzo(a)anthracene
Concen: 0.01 ng/ul
RT: 21.23 min Scan# 1395
Delta R.T. 0.00 min
Lab File: BM000652.D
Acq: 04 Mar 2015 18:58

Tgt Ion: 228 Resp: 472
Ion Ratio Lower Upper
228 100
226 38.7 20.0 30.0#
229 30.8 16.7 25.1#





#21

Chrysene

Concen: 0.01 ng/ul

RT: 21.28 min Scan# 1400

Delta R.T. 0.00 min

Lab File: BM000652.D

Acq: 04 Mar 2015 18:58

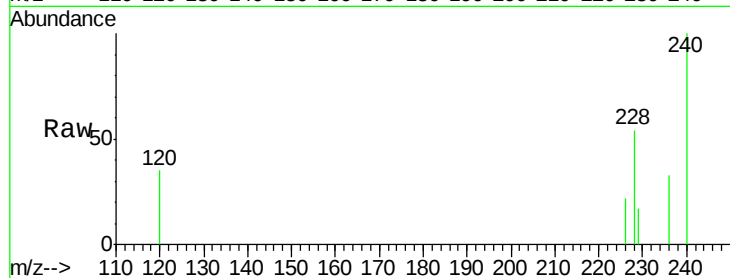
Tgt Ion: 228 Resp: 514

Ion Ratio Lower Upper

228 100

226 40.7 22.6 33.8#

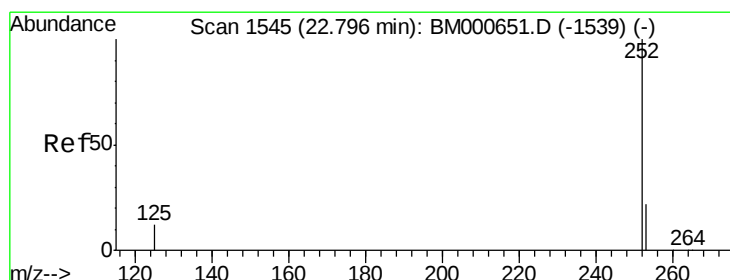
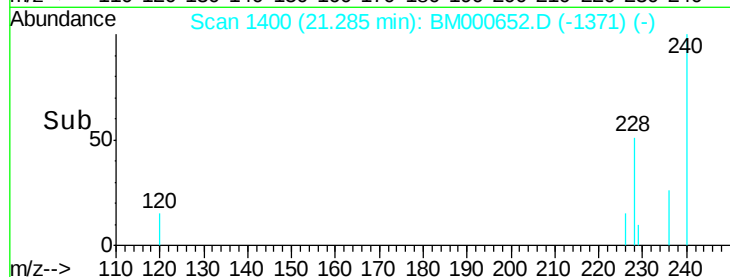
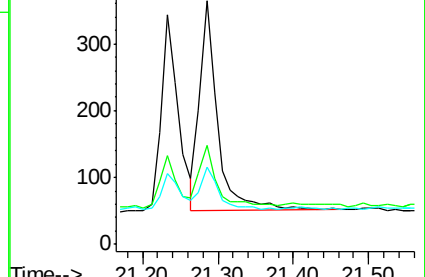
229 31.6 16.4 24.6#



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: 0.01 ng/ul

RT: 22.80 min Scan# 1545

Delta R.T. 0.00 min

Lab File: BM000652.D

Acq: 04 Mar 2015 18:58

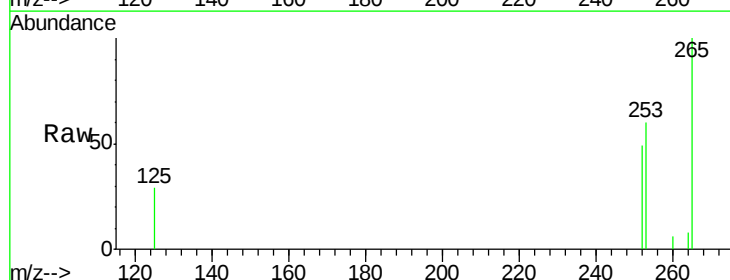
Tgt Ion: 252 Resp: 418

Ion Ratio Lower Upper

252 100

253 123.2 0.0 51.2#

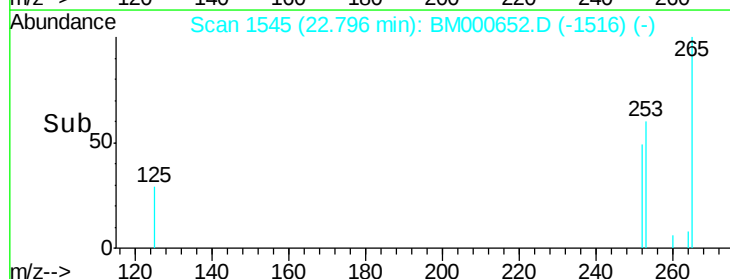
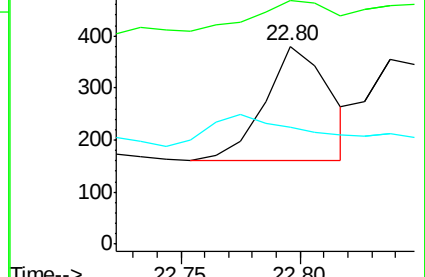
125 58.9 0.0 30.0#

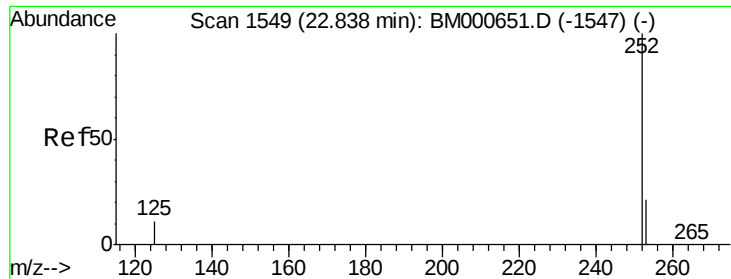


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#24

Benzo(k)fluoranthene

Concen: 0.01 ng/ul

RT: 22.80 min Scan# 1545

Delta R.T. -0.04 min

Lab File: BM000652.D

Acq: 04 Mar 2015 18:58

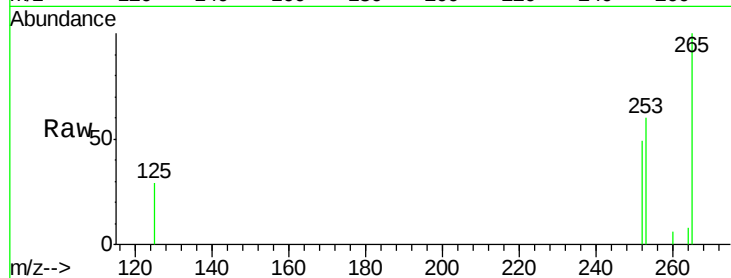
Tgt Ion: 252 Resp: 418

Ion Ratio Lower Upper

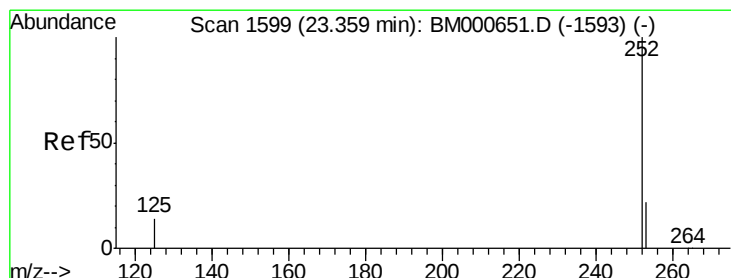
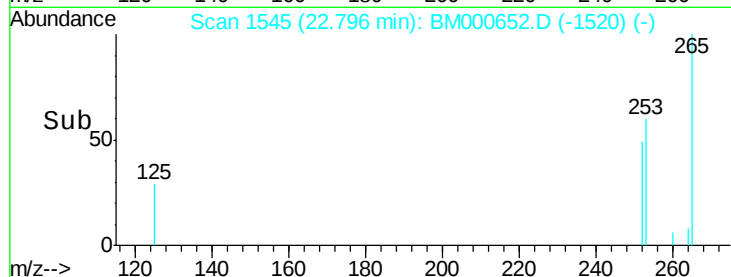
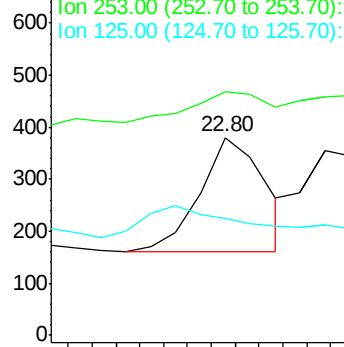
252 100

253 123.2 20.5 30.7#

125 58.9 11.8 17.6#



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



#25

Benzo(a)pyrene

Concen: 0.01 ng/ul

RT: 23.36 min Scan# 1599

Delta R.T. -0.00 min

Lab File: BM000652.D

Acq: 04 Mar 2015 18:58

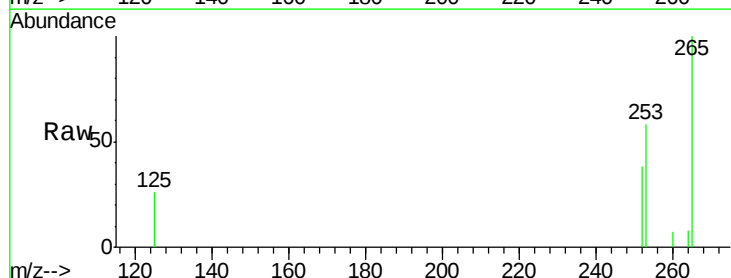
Tgt Ion: 252 Resp: 343

Ion Ratio Lower Upper

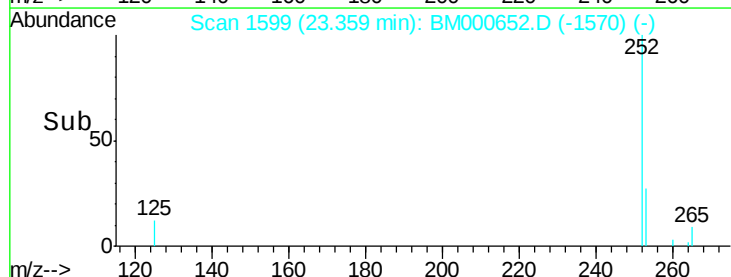
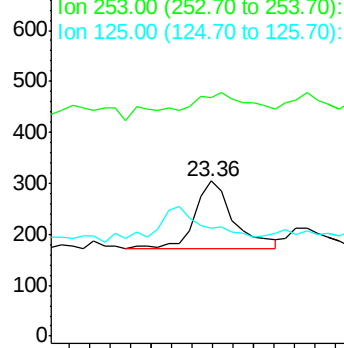
252 100

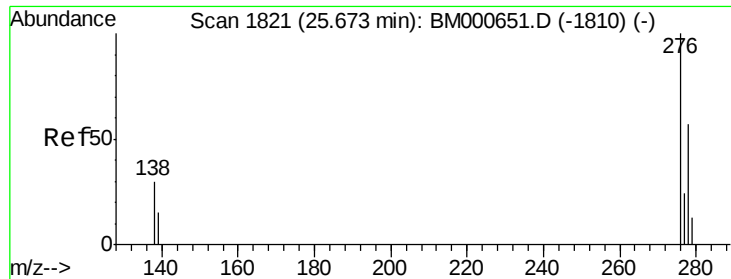
253 154.3 23.4 35.0#

125 69.7 12.2 18.4#



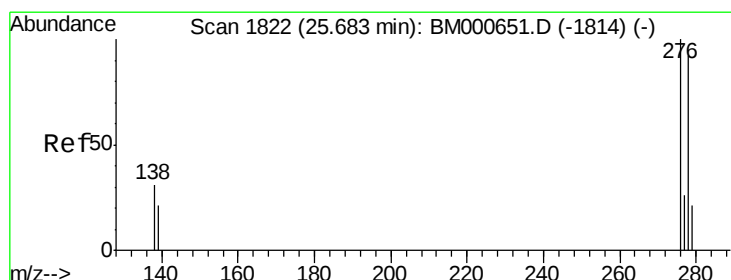
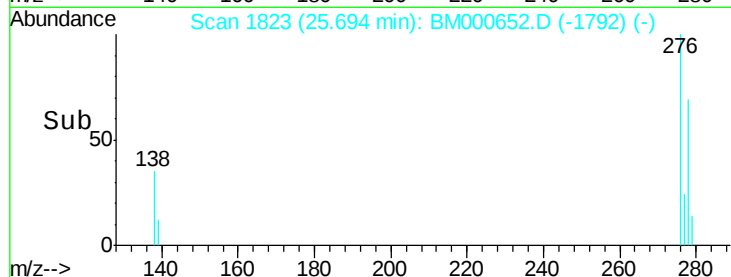
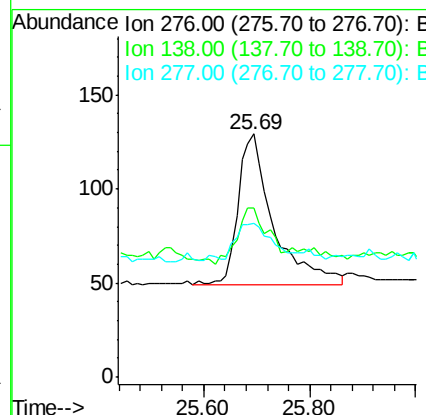
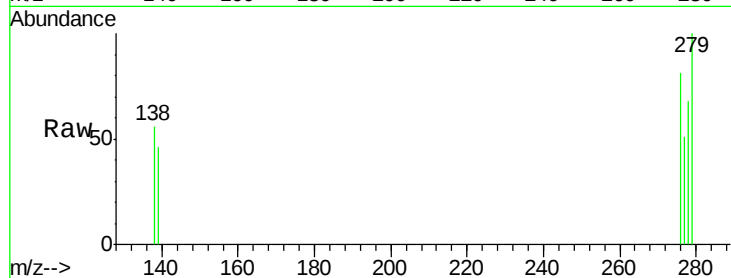
Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E





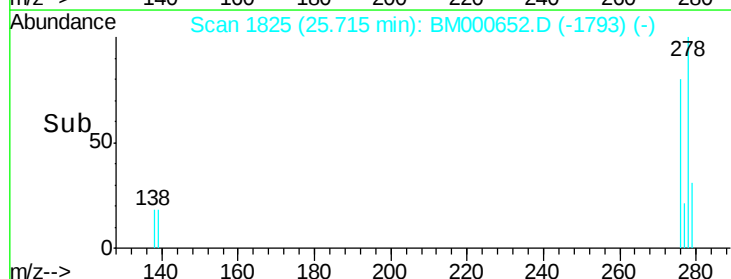
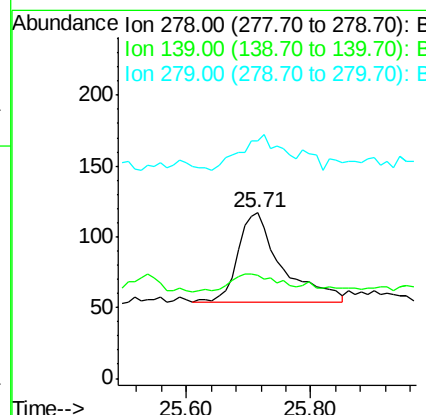
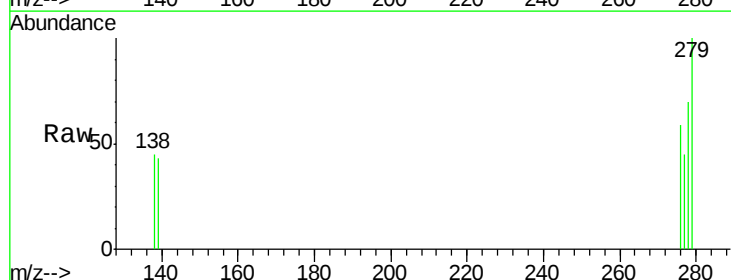
#26
 Indeno(1,2,3-cd)pyrene
 Concen: 0.01 ng/ul
 RT: 25.69 min Scan# 1823
 Delta R.T. 0.02 min
 Lab File: BM000652.D
 Acq: 04 Mar 2015 18:58

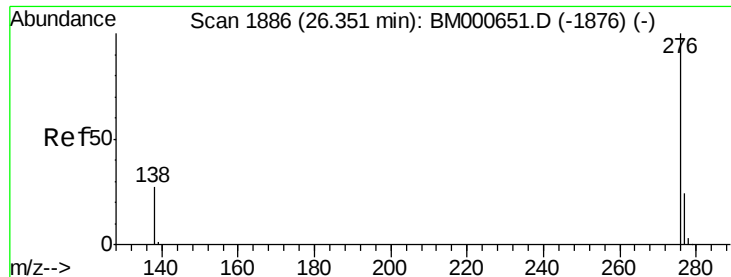
Tgt Ion: 276 Resp: 371
 Ion Ratio Lower Upper
 276 100
 138 33.2 23.8 35.8
 277 22.4 19.7 29.5



#27
 Dibenzo(a,h)anthracene
 Concen: 0.01 ng/ul
 RT: 25.71 min Scan# 1825
 Delta R.T. 0.03 min
 Lab File: BM000652.D
 Acq: 04 Mar 2015 18:58

Tgt Ion: 278 Resp: 308
 Ion Ratio Lower Upper
 278 100
 139 62.4 17.0 25.6#
 279 143.6 22.3 33.5#





#28

Benzo(g,h,i)perylene

Concen: 0.01 ng/ul

RT: 26.36 min Scan# 1887

Delta R.T. 0.01 min

Lab File: BM000652.D

Acq: 04 Mar 2015 18:58

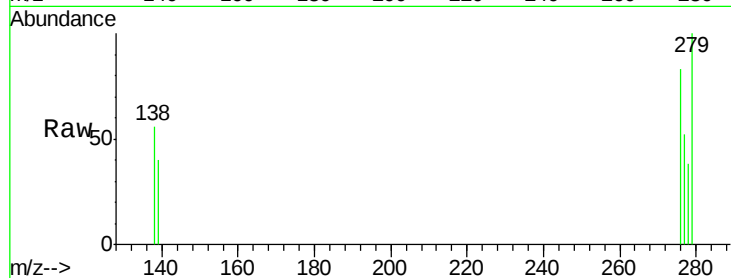
Tgt Ion: 276 Resp: 328

Ion Ratio Lower Upper

276 100

277 61.9 19.9 29.9#

138 66.7 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

