

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM030415\
 Data File : BM000654.D
 Acq On : 04 Mar 2015 20:09
 Operator : TP/IZ
 Sample : MDL-02-S
 Misc : MDL-SOIL-0.4PPM
 ALS Vial : 18 Sample Multiplier: 1

Quant Time: Mar 05 02:34:11 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	4699	0.40	ng/ul	0.00
4) Naphthalene-d8	10.46	136	16826	0.40	ng/ul	0.01
8) Acenaphthene-d10	14.30	164	9283	0.40	ng/ul	0.00
12) Phenanthrene-d10	17.06	188	19844	0.40	ng/ul	0.00
18) Chrysene-d12	21.25	240	13354	0.40	ng/ul	0.00
22) Perylene-d12	23.46	264	10271	0.40	ng/ul	0.00

System Monitoring Compounds

2) 1,4-Dioxane-d8	3.14	96	6296	1.84	ng/uL	0.00
6) 2-Methylnaphthalene-d10	12.07	152	3	0.00	ng/ul	0.02
16) Fluoranthene-d10	19.09	212	11	0.00	ng/ul	0.00

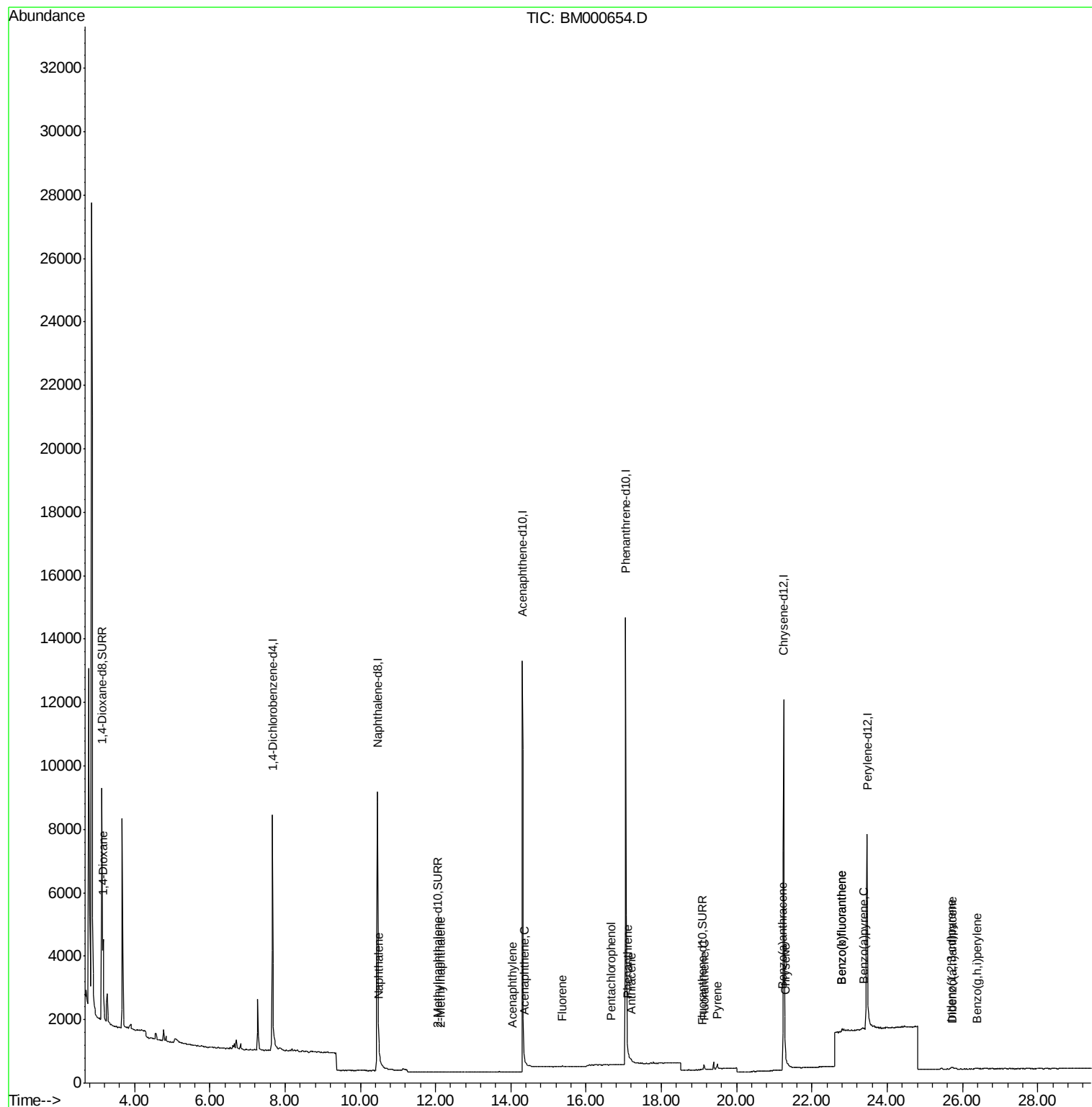
Target Compounds

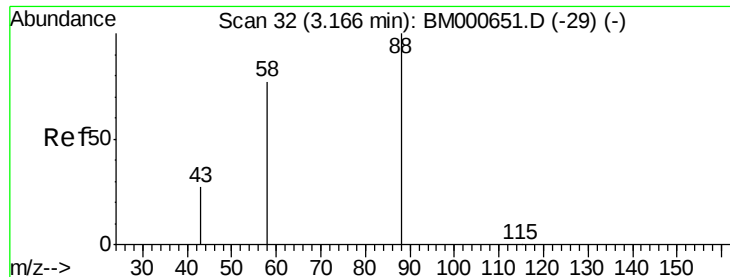
						Qvalue
3) 1,4-Dioxane	3.17	88	4488	0.84	ng/ul#	52
5) Naphthalene	10.49	128	44	0.00	ng/ul#	1
7) 2-Methylnaphthalene	12.13	142	24	0.00	ng/ul	81
9) Acenaphthylene	14.04	152	14	0.00	ng/ul#	1
10) Acenaphthene	14.37	153	15	0.00	ng/ul#	73
11) Fluorene	15.37	166	41	0.00	ng/ul#	46
13) Pentachlorophenol	16.67	266	7	0.00	ng/ul#	1
14) Phenanthrene	17.10	178	167	0.00	ng/ul#	1
15) Anthracene	17.19	178	97	0.00	ng/ul#	1
17) Fluoranthene	19.13	202	201	0.00	ng/ul#	13
19) Pyrene	19.49	202	198	0.00	ng/ul#	29
20) Benzo(a)anthracene	21.23	228	163	0.00	ng/ul#	40
21) Chrysene	21.28	228	156	0.00	ng/ul#	43
23) Benzo(b)fluoranthene	22.80	252	113	0.00	ng/ul#	1
24) Benzo(k)fluoranthene	22.80	252	113	0.00	ng/ul#	1
25) Benzo(a)pyrene	23.37	252	88	0.00	ng/ul#	1
26) Indeno(1,2,3-cd)pyrene	25.70	276	95	0.00	ng/ul#	74
27) Dibenzo(a,h)anthracene	25.73	278	74	0.00	ng/ul#	1
28) Benzo(g,h,i)perylene	26.38	276	95	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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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: BM000654.D

Acq: 04 Mar 2015 20:09

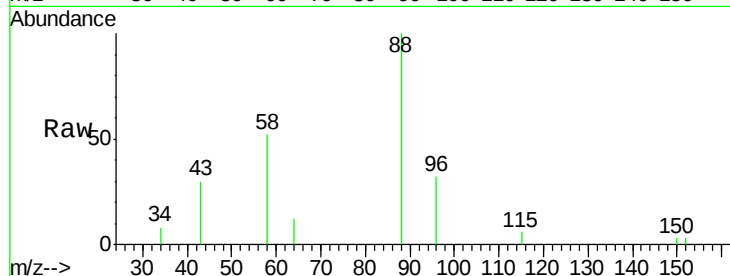
Tgt Ion: 88 Resp: 4488

Ion Ratio Lower Upper

88 100

58 32.5 55.4 83.2#

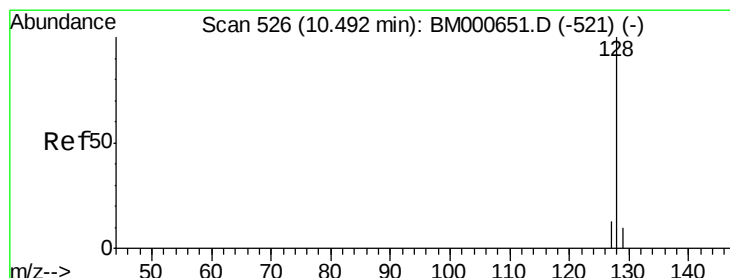
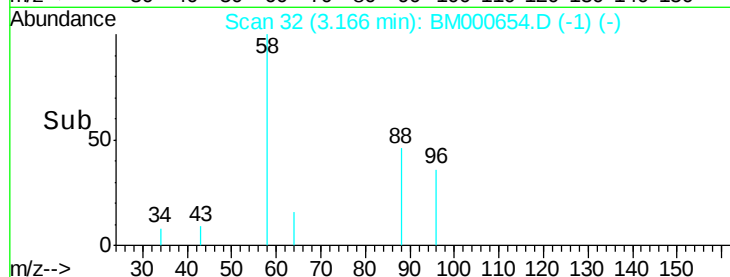
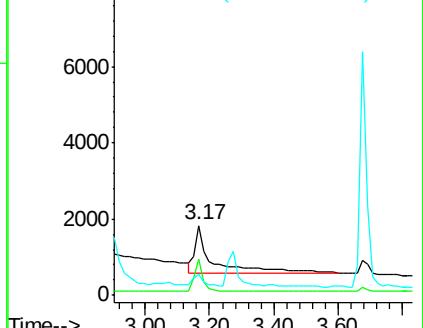
43 0.0 24.2 36.2#



Abundance Ion 88.00 (87.70 to 88.70): BM000654.D (-29) (-)

Ion 58.00 (57.70 to 58.70): BM000654.D (-29) (-)

Ion 43.00 (42.70 to 43.70): BM000654.D (-29) (-)



#5

Naphthalene

Concen: 0.00 ng/ul

RT: 10.49 min Scan# 526

Delta R.T. 0.00 min

Lab File: BM000654.D

Acq: 04 Mar 2015 20:09

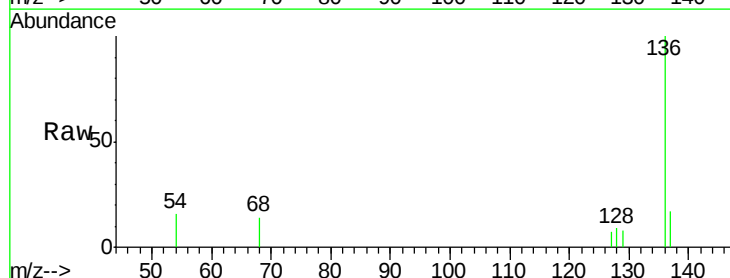
Tgt Ion: 128 Resp: 44

Ion Ratio Lower Upper

128 100

129 85.9 8.5 12.7#

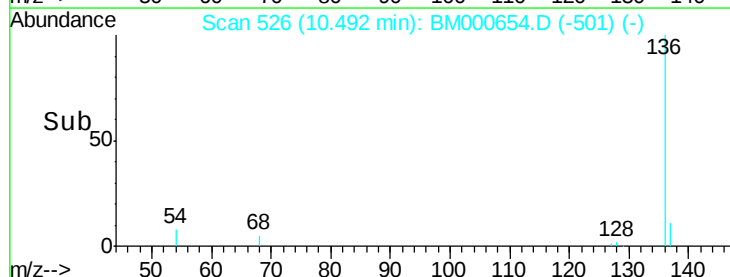
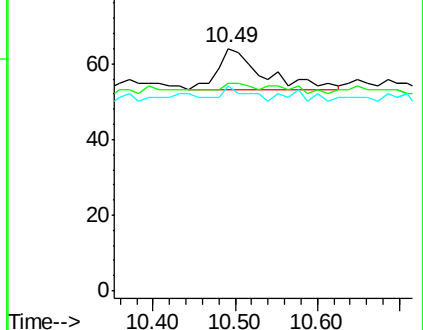
127 84.4 11.0 16.6#

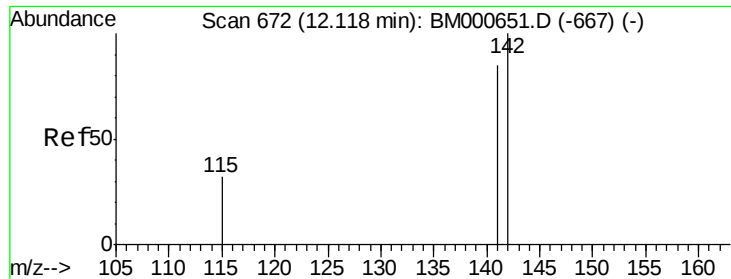


Abundance Ion 128.00 (127.70 to 128.70): BM000654.D (-521) (-)

Ion 129.00 (128.70 to 129.70): BM000654.D (-521) (-)

Ion 127.00 (126.70 to 127.70): BM000654.D (-521) (-)





#7

2-Methylnaphthalene

Concen: 0.00 ng/ul

RT: 12.13 min Scan# 673

Delta R.T. 0.01 min

Lab File: BM000654.D

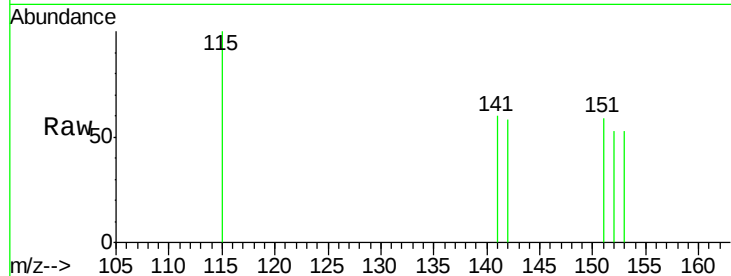
Acq: 04 Mar 2015 20:09

Tgt Ion:142 Resp: 24

Ion Ratio Lower Upper

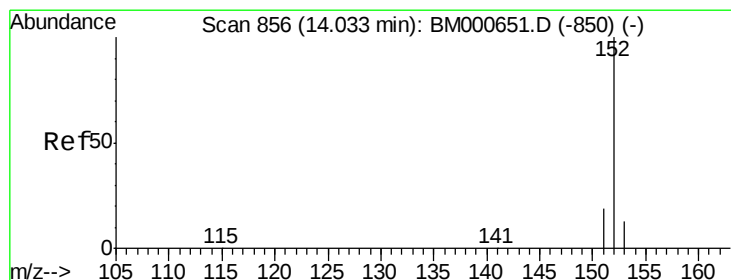
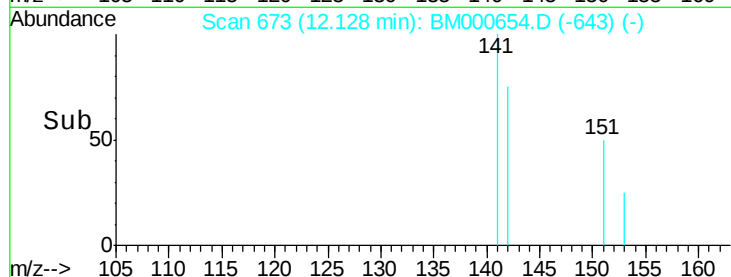
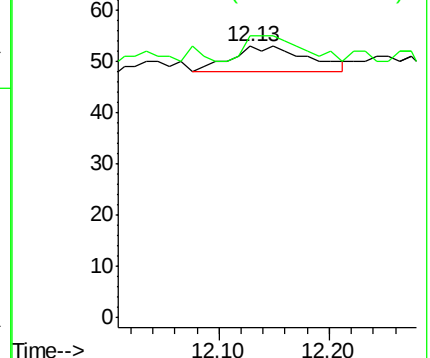
142 100

141 70.8 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: BM000654.D

Acq: 04 Mar 2015 20:09

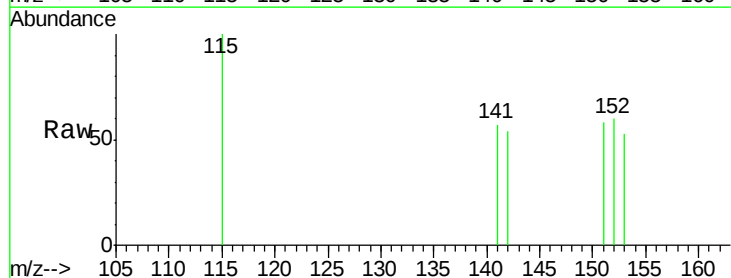
Tgt Ion:152 Resp: 14

Ion Ratio Lower Upper

152 100

151 96.4 16.0 24.0#

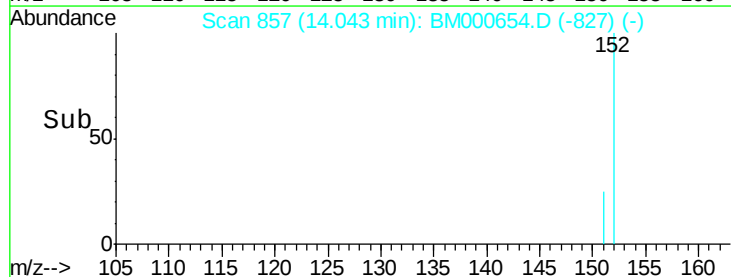
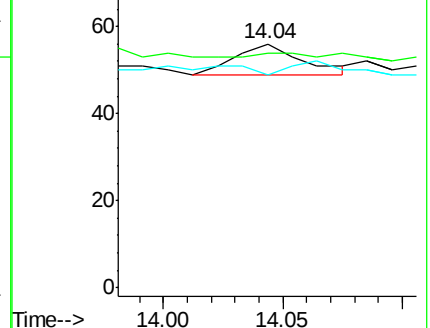
153 87.5 10.2 15.4#

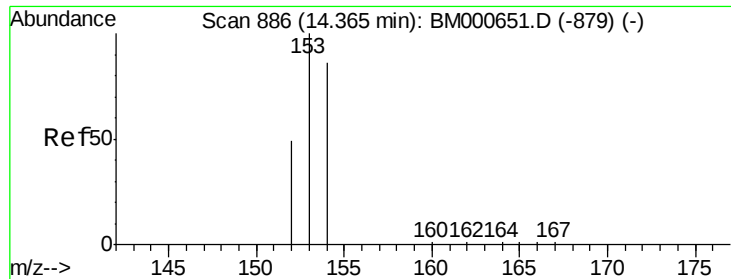


Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E





#10

Acenaphthene

Concen: 0.00 ng/ul

RT: 14.37 min Scan# 886

Delta R.T. 0.00 min

Lab File: BM000654.D

Acq: 04 Mar 2015 20:09

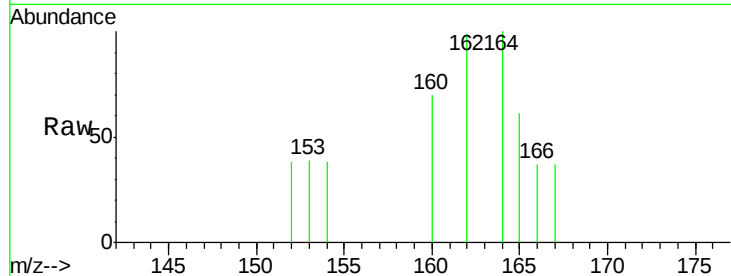
Tgt Ion:153 Resp: 15

Ion Ratio Lower Upper

153 100

152 96.4 34.2 51.2#

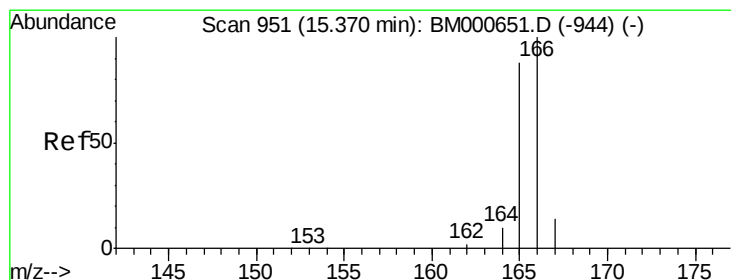
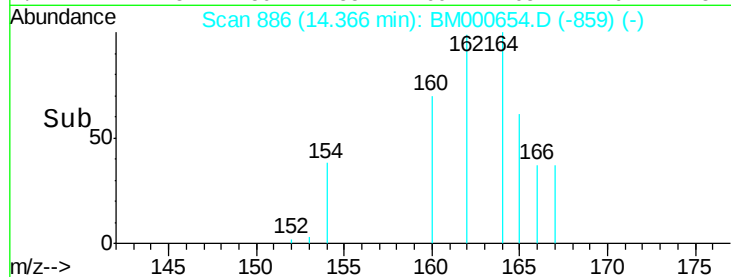
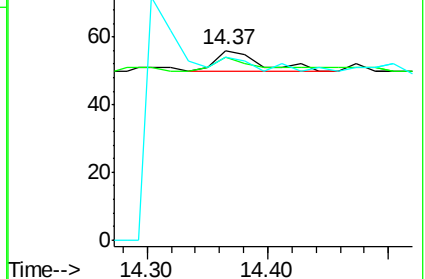
154 96.4 78.8 118.2



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: BM000654.D

Acq: 04 Mar 2015 20:09

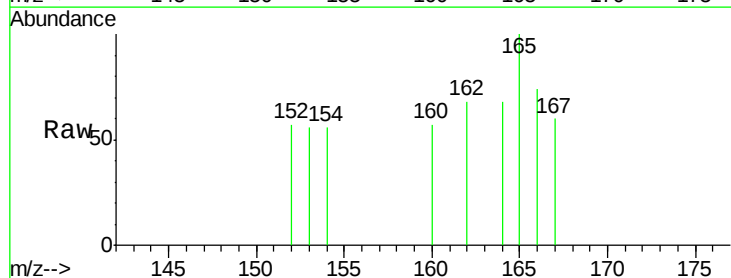
Tgt Ion:166 Resp: 41

Ion Ratio Lower Upper

166 100

165 135.8 78.5 117.7#

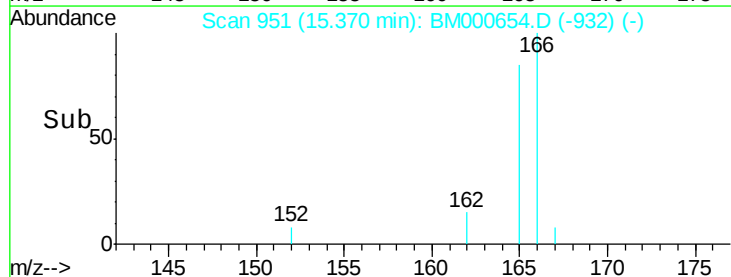
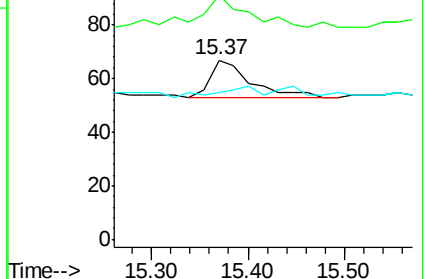
167 82.1 10.6 16.0#

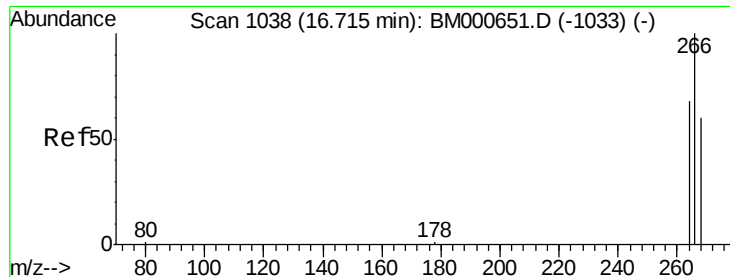


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

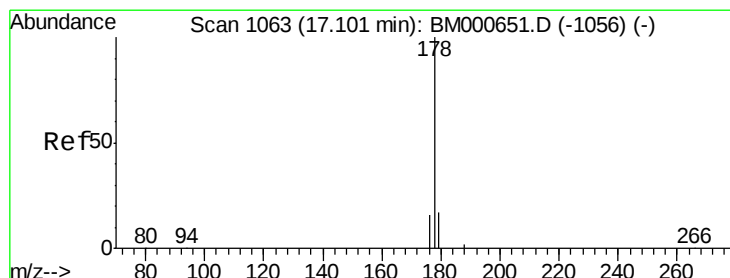
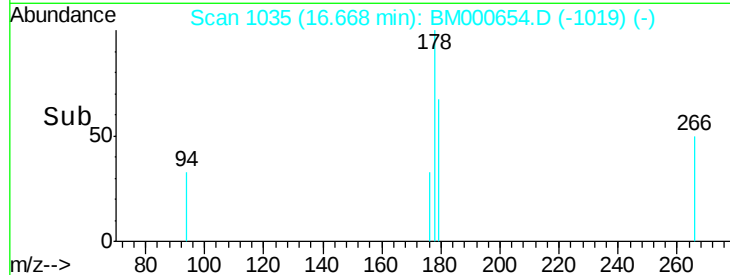
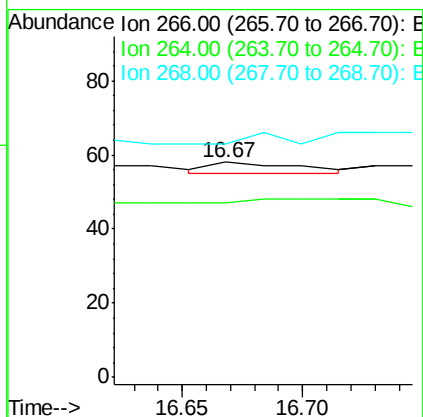
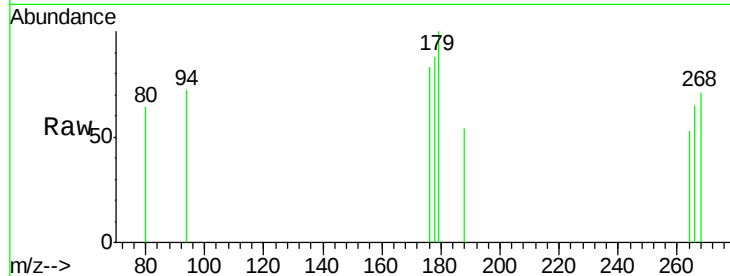
Ion 167.00 (166.70 to 167.70): E





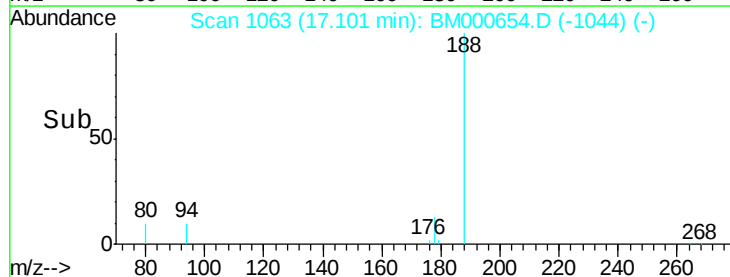
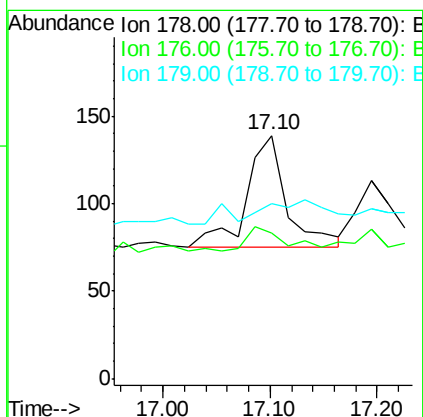
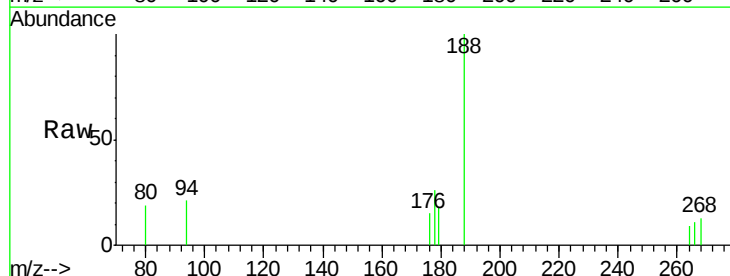
#13
 Pentachlorophenol
 Concen: 0.00 ng/ul
 RT: 16.67 min Scan# 1035
 Delta R.T. -0.05 min
 Lab File: BM000654.D
 Acq: 04 Mar 2015 20:09

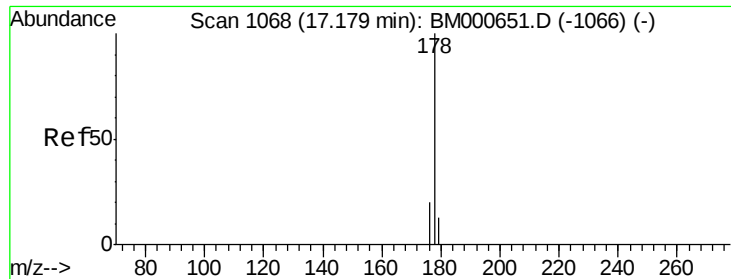
Tgt Ion: 266 Resp: 7
 Ion Ratio Lower Upper
 266 100
 264 57.1 51.0 76.4
 268 314.3 49.4 74.2#



#14
 Phenanthrene
 Concen: 0.00 ng/ul
 RT: 17.10 min Scan# 1063
 Delta R.T. 0.00 min
 Lab File: BM000654.D
 Acq: 04 Mar 2015 20:09

Tgt Ion: 178 Resp: 167
 Ion Ratio Lower Upper
 178 100
 176 59.7 14.8 22.2#
 179 71.9 12.7 19.1#





#15

Anthracene

Concen: 0.00 ng/ul

RT: 17.19 min Scan# 1069

Delta R.T. 0.02 min

Lab File: BM000654.D

Acq: 04 Mar 2015 20:09

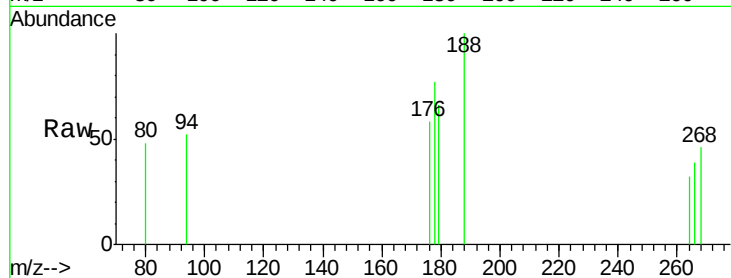
Tgt Ion:178 Resp: 97

Ion Ratio Lower Upper

178 100

176 75.2 14.2 21.4#

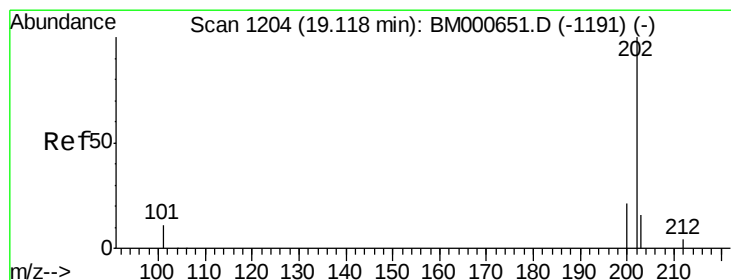
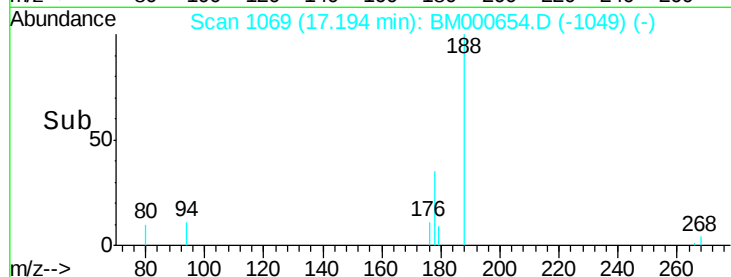
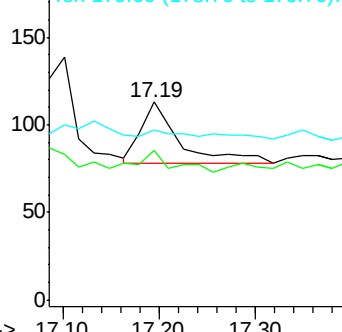
179 85.8 12.8 19.2#



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: 0.00 ng/ul

RT: 19.13 min Scan# 1205

Delta R.T. 0.01 min

Lab File: BM000654.D

Acq: 04 Mar 2015 20:09

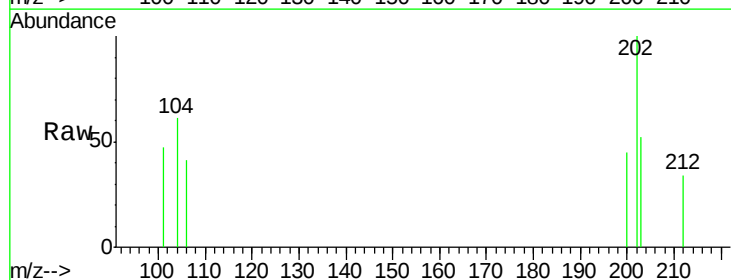
Tgt Ion:202 Resp: 201

Ion Ratio Lower Upper

202 100

101 47.3 0.0 27.0#

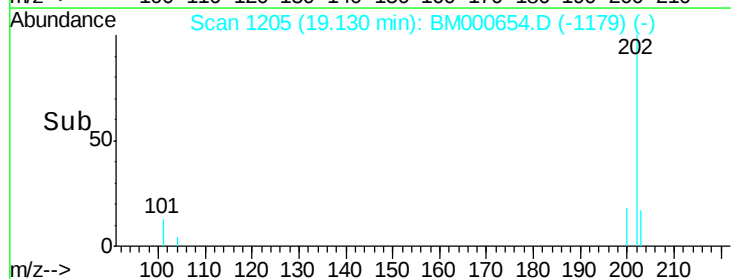
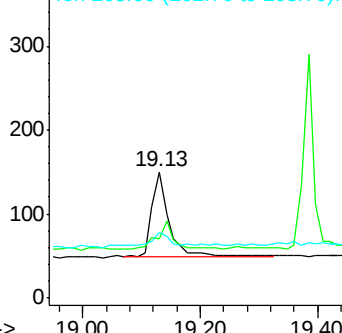
203 52.0 0.0 38.5#

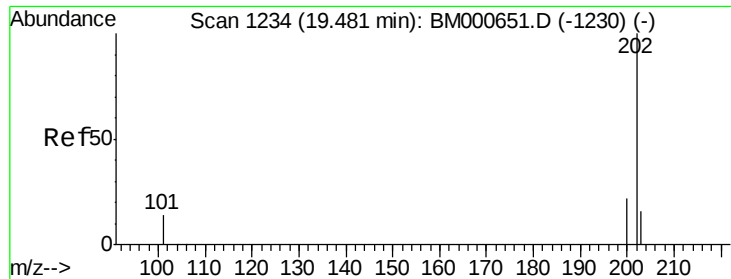


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

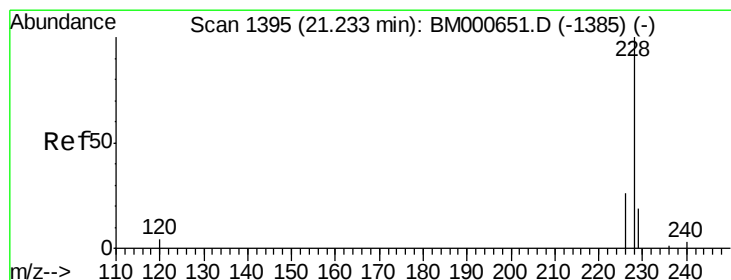
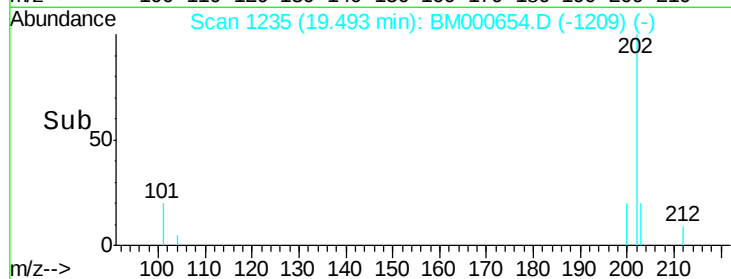
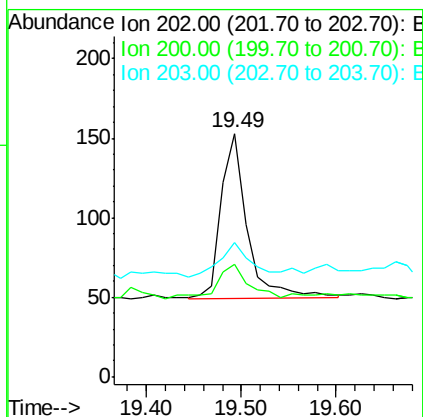
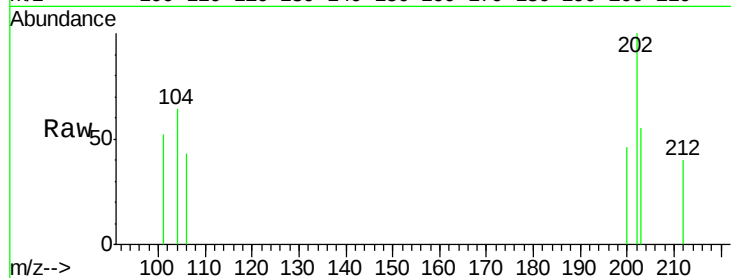
Ion 203.00 (202.70 to 203.70): E





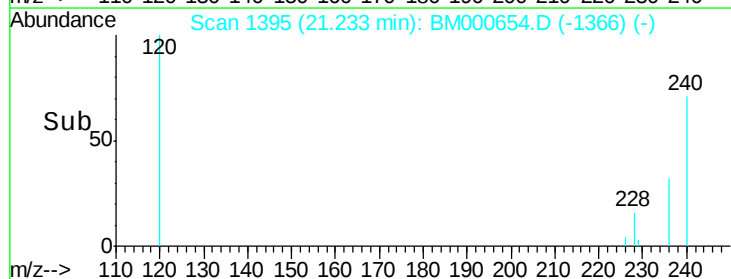
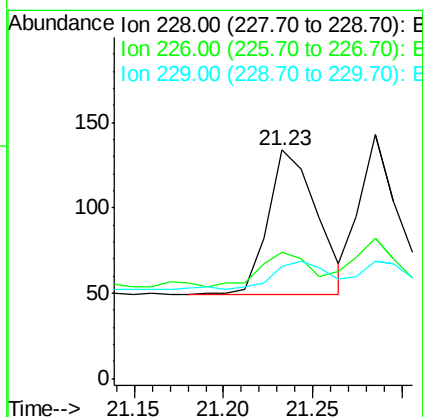
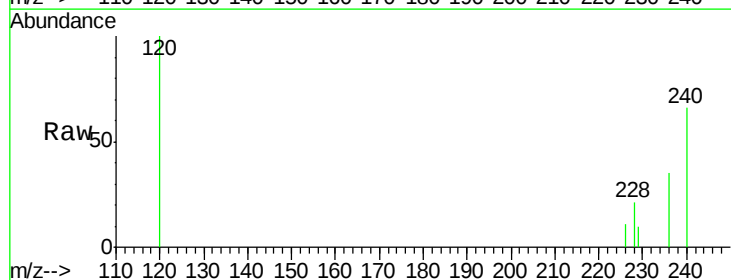
#19
Pyrene
Concen: 0.00 ng/ul
RT: 19.49 min Scan# 1235
Delta R.T. 0.01 min
Lab File: BM000654.D
Acq: 04 Mar 2015 20:09

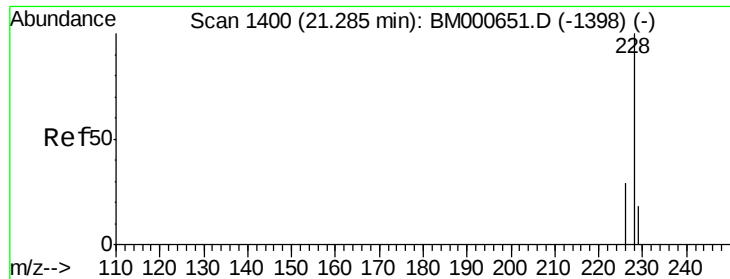
Tgt Ion: 202 Resp: 198
Ion Ratio Lower Upper
202 100
200 46.4 15.5 23.3#
203 54.9 14.2 21.2#



#20
Benzo(a)anthracene
Concen: 0.00 ng/ul
RT: 21.23 min Scan# 1395
Delta R.T. 0.00 min
Lab File: BM000654.D
Acq: 04 Mar 2015 20:09

Tgt Ion: 228 Resp: 163
Ion Ratio Lower Upper
228 100
226 55.2 20.0 30.0#
229 49.3 16.7 25.1#





#21

Chrysene

Concen: 0.00 ng/ul

RT: 21.28 min Scan# 1400

Delta R.T. 0.00 min

Lab File: BM000654.D

Acq: 04 Mar 2015 20:09

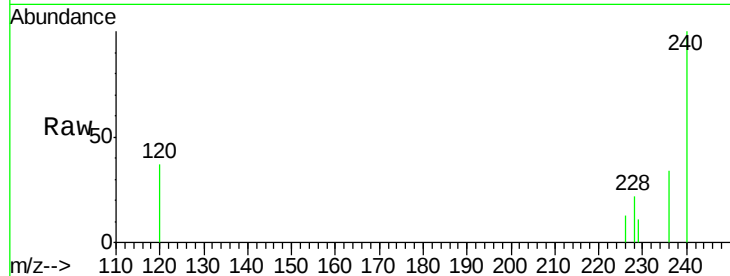
Tgt Ion:228 Resp: 156

Ion Ratio Lower Upper

228 100

226 57.3 22.6 33.8#

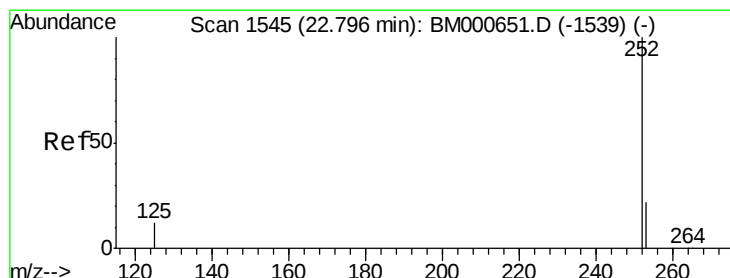
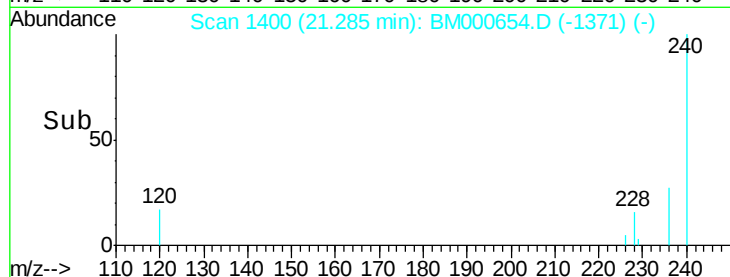
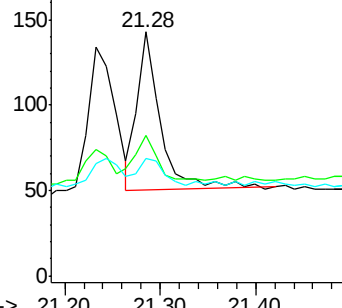
229 48.3 16.4 24.6#



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: 0.00 ng/ul

RT: 22.80 min Scan# 1545

Delta R.T. 0.00 min

Lab File: BM000654.D

Acq: 04 Mar 2015 20:09

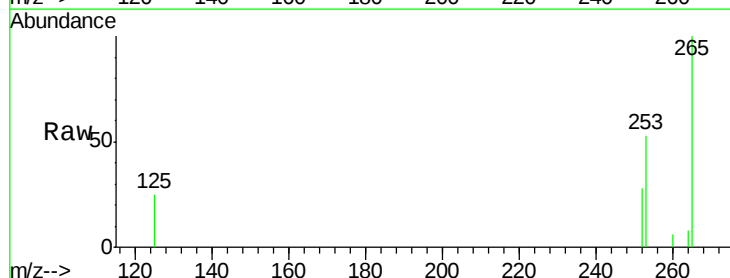
Tgt Ion:252 Resp: 113

Ion Ratio Lower Upper

252 100

253 189.4 0.0 51.2#

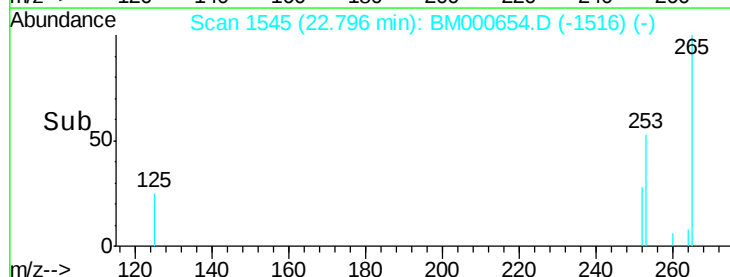
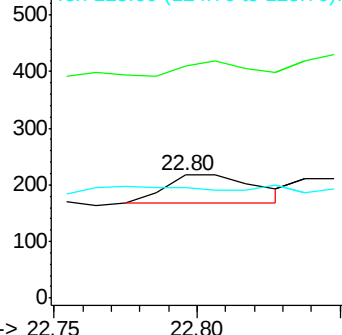
125 89.9 0.0 30.0#

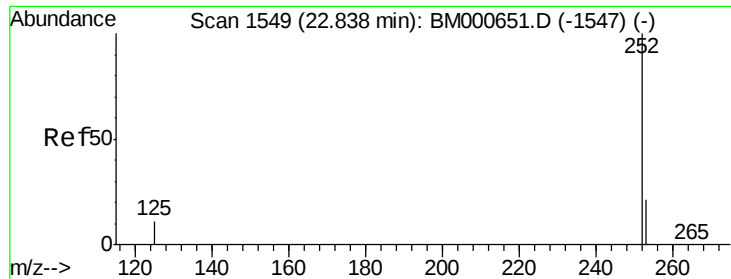


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

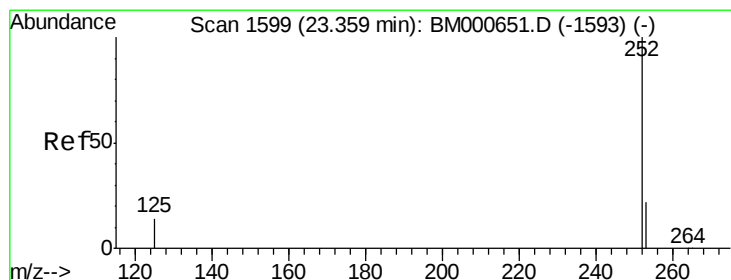
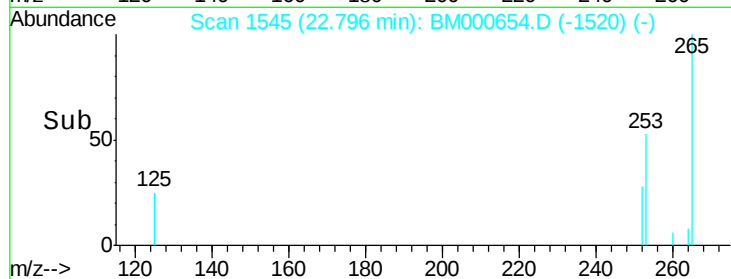
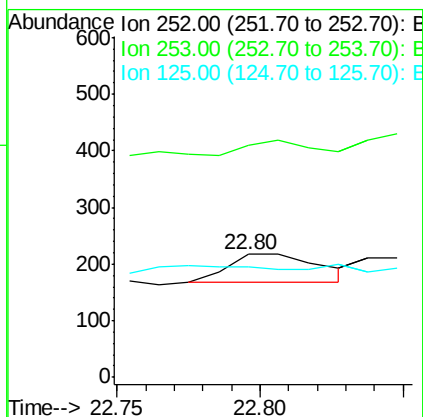
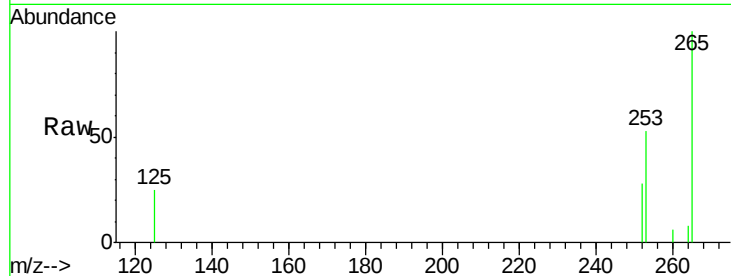
Ion 125.00 (124.70 to 125.70): E





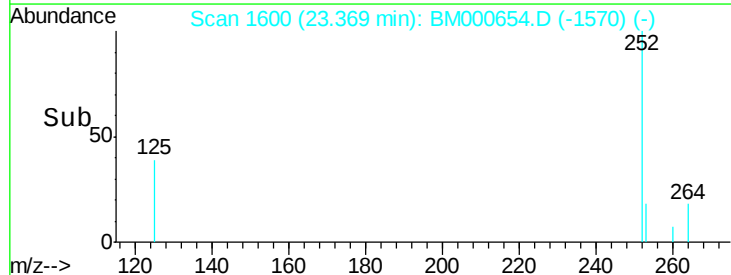
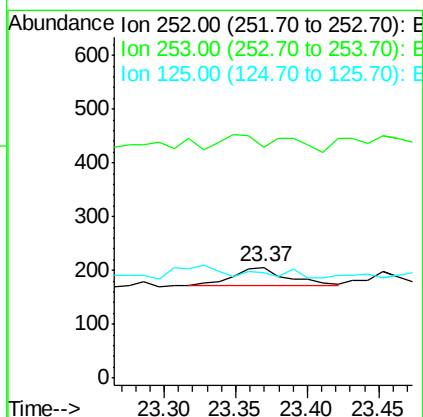
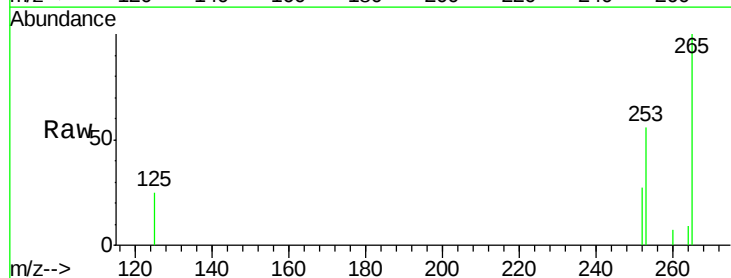
#24
Benzo(k)fluoranthene
Concen: 0.00 ng/u1
RT: 22.80 min Scan# 1545
Delta R.T. -0.04 min
Lab File: BM000654.D
Acq: 04 Mar 2015 20:09

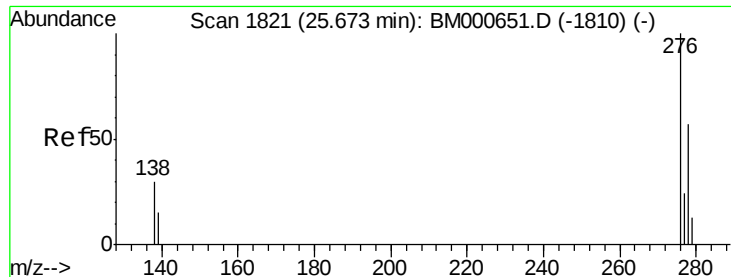
Tgt Ion: 252 Resp: 113
Ion Ratio Lower Upper
252 100
253 189.4 20.5 30.7#
125 89.9 11.8 17.6#



#25
Benzo(a)pyrene
Concen: 0.00 ng/u1
RT: 23.37 min Scan# 1600
Delta R.T. 0.01 min
Lab File: BM000654.D
Acq: 04 Mar 2015 20:09

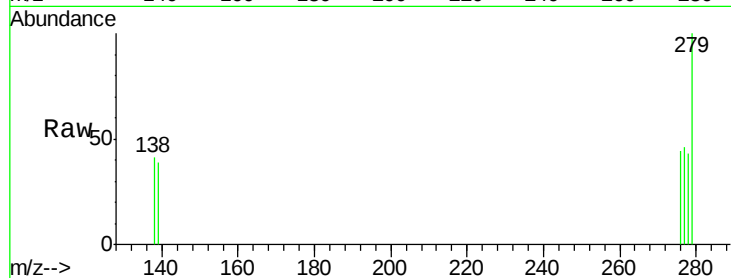
Tgt Ion: 252 Resp: 88
Ion Ratio Lower Upper
252 100
253 208.7 23.4 35.0#
125 95.1 12.2 18.4#



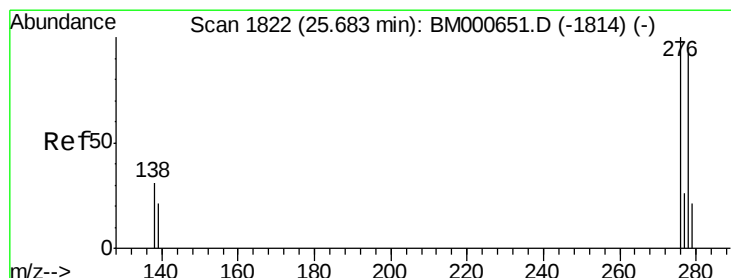
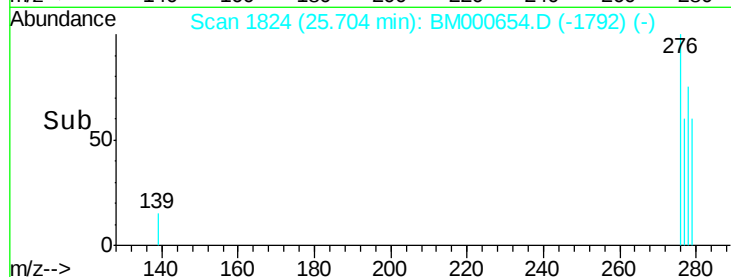
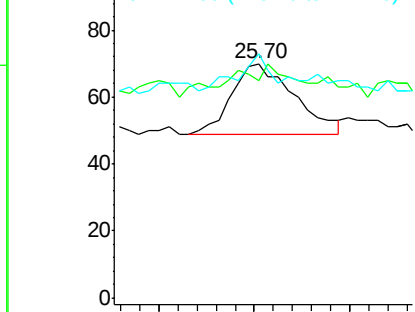


#26
 Indeno(1,2,3-cd)pyrene
 Concen: 0.00 ng/ul
 RT: 25.70 min Scan# 1824
 Delta R.T. 0.03 min
 Lab File: BM000654.D
 Acq: 04 Mar 2015 20:09

Tgt Ion: 276 Resp: 95
 Ion Ratio Lower Upper
 276 100
 138 8.4 23.8 35.8#
 277 29.5 19.7 29.5

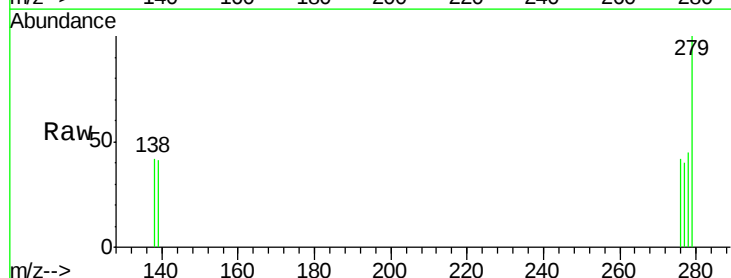


Abundance Ion 276.00 (275.70 to 276.70): E
 Ion 138.00 (137.70 to 138.70): E
 Ion 277.00 (276.70 to 277.70): E

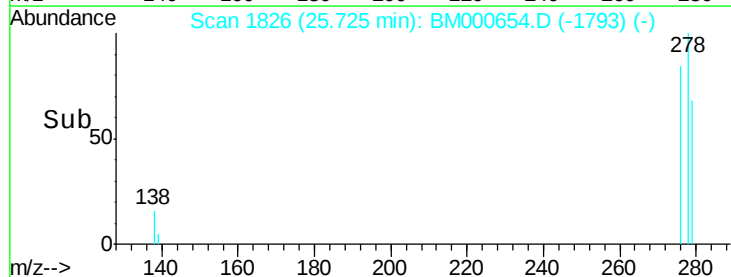
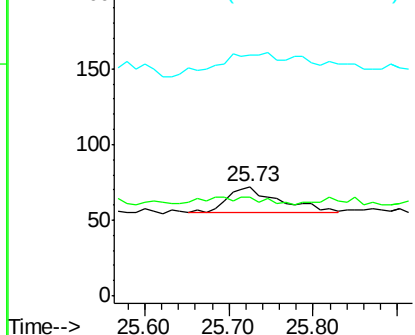


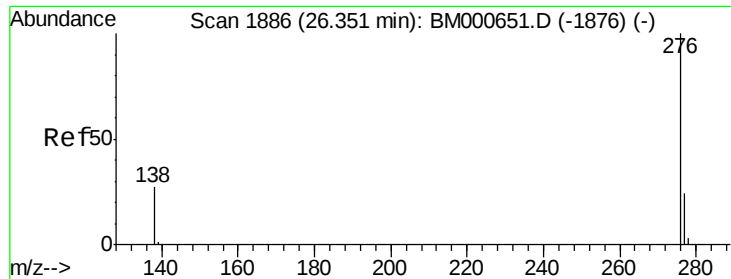
#27
 Dibenzo(a,h)anthracene
 Concen: 0.00 ng/ul
 RT: 25.73 min Scan# 1826
 Delta R.T. 0.04 min
 Lab File: BM000654.D
 Acq: 04 Mar 2015 20:09

Tgt Ion: 278 Resp: 74
 Ion Ratio Lower Upper
 278 100
 139 90.3 17.0 25.6#
 279 220.8 22.3 33.5#



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





#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: BM000654.D

Acq: 04 Mar 2015 20:09

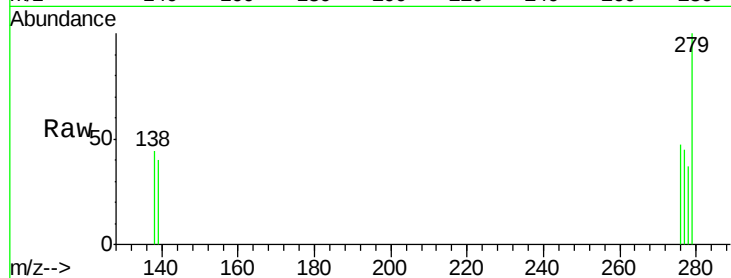
Tgt Ion: 276 Resp: 95

Ion Ratio Lower Upper

276 100

277 95.8 19.9 29.9#

138 94.4 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

