

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM030415\
 Data File : BM000656.D
 Acq On : 04 Mar 2015 21:20
 Operator : TP/IZ
 Sample : MDL-04-S
 Misc : MDL-SOIL-0.4PPM
 ALS Vial : 20 Sample Multiplier: 1

Quant Time: Mar 05 02:34:38 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	4914	0.40	ng/ul	0.00
4) Naphthalene-d8	10.46	136	17419	0.40	ng/ul	0.01
8) Acenaphthene-d10	14.30	164	9911	0.40	ng/ul	0.00
12) Phenanthrene-d10	17.06	188	20331	0.40	ng/ul	0.00
18) Chrysene-d12	21.25	240	12989	0.40	ng/ul	0.00
22) Perylene-d12	23.45	264	9989	0.40	ng/ul	-0.01

System Monitoring Compounds

2) 1,4-Dioxane-d8	3.14	96	5851	1.63	ng/uL	0.00
6) 2-Methylnaphthalene-d10	12.07	152	5	0.00	ng/ul	0.02
16) Fluoranthene-d10	19.11	212	15	0.00	ng/ul	0.01

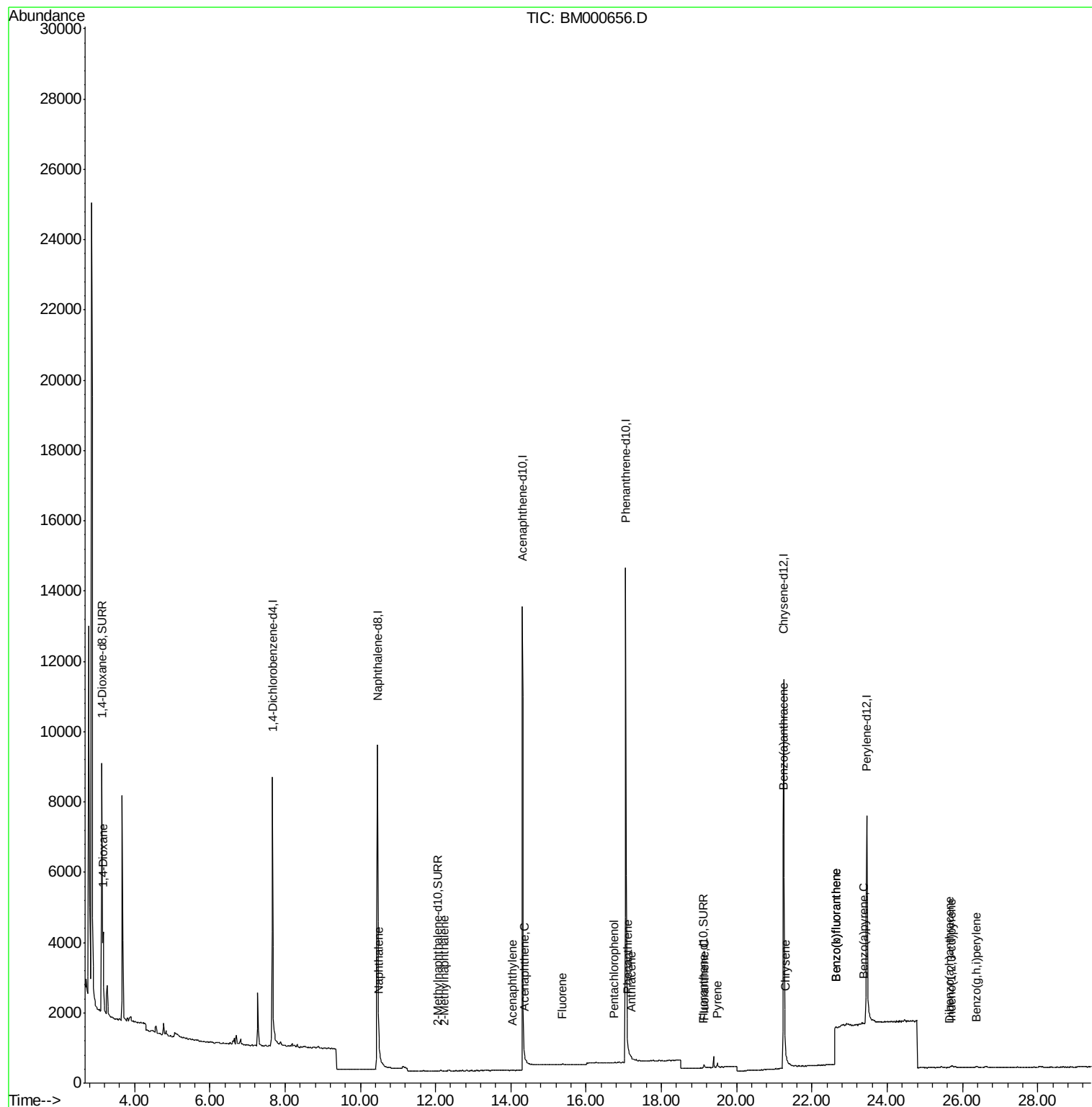
Target Compounds

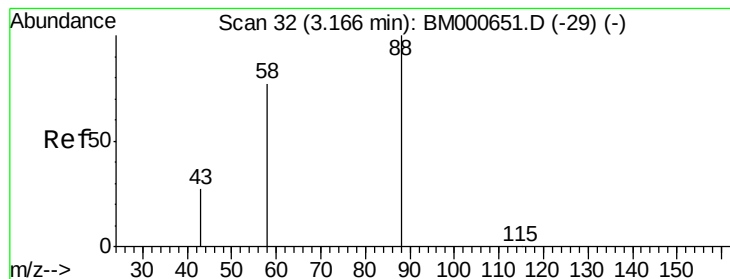
					Qvalue
3) 1,4-Dioxane	3.17	88	4069	0.73	ng/ul# 51
5) Naphthalene	10.49	128	38	0.00	ng/ul# 1
7) 2-Methylnaphthalene	12.23	142	2	0.00	ng/ul 87
9) Acenaphthylene	14.03	152	8	0.00	ng/ul# 1
10) Acenaphthene	14.37	153	7	0.00	ng/ul# 70
11) Fluorene	15.37	166	36	0.00	ng/ul# 33
13) Pentachlorophenol	16.73	266	7	0.00	ng/ul# 71
14) Phenanthrene	17.10	178	100	0.00	ng/ul# 1
15) Anthracene	17.19	178	66	0.00	ng/ul# 1
17) Fluoranthene	19.13	202	136	0.00	ng/ul# 1
19) Pyrene	19.49	202	140	0.00	ng/ul# 10
20) Benzo(a)anthracene	21.24	228	113	0.00	ng/ul# 19
21) Chrysene	21.28	228	100	0.00	ng/ul# 24
23) Benzo(b)fluoranthene	22.65	252	706	0.02	ng/ul# 1
24) Benzo(k)fluoranthene	22.65	252	706	0.02	ng/ul# 1
25) Benzo(a)pyrene	23.37	252	84	0.00	ng/ul# 1
26) Indeno(1,2,3-cd)pyrene	25.70	276	64	0.00	ng/ul# 75
27) Dibenzo(a,h)anthracene	25.65	278	3	0.00	ng/ul# 1
28) Benzo(g,h,i)perylene	26.37	276	76	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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#3

1,4-Dioxane

Concen: 0.73 ng/ul

RT: 3.17 min Scan# 32

Delta R.T. 0.00 min

Lab File: BM000656.D

Acq: 04 Mar 2015 21:20

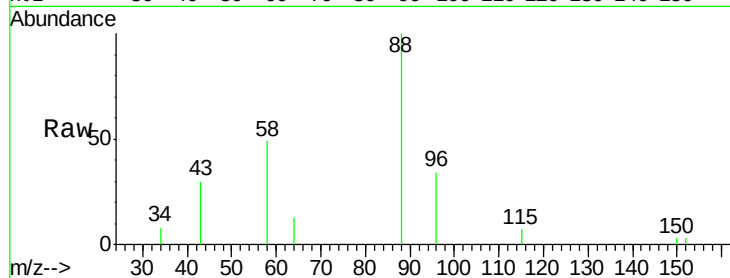
Tgt Ion: 88 Resp: 4069

Ion Ratio Lower Upper

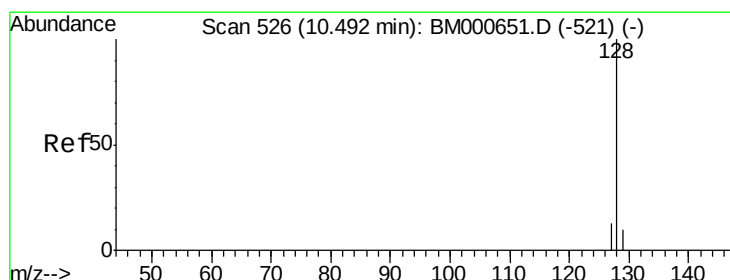
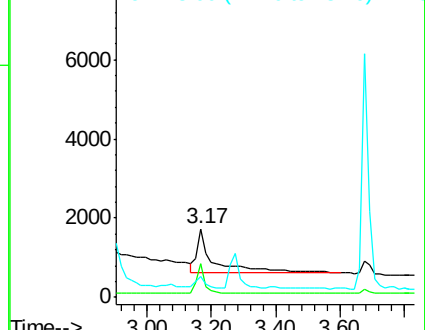
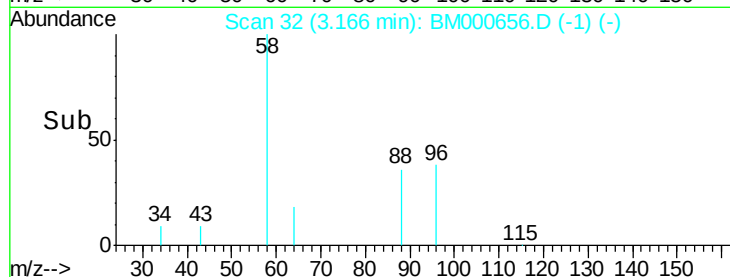
88 100

58 31.1 55.4 83.2#

43 0.0 24.2 36.2#



Abundance Ion 88.00 (87.70 to 88.70): BM000656.D (-1) (-)



#5

Naphthalene

Concen: 0.00 ng/ul

RT: 10.49 min Scan# 526

Delta R.T. 0.00 min

Lab File: BM000656.D

Acq: 04 Mar 2015 21:20

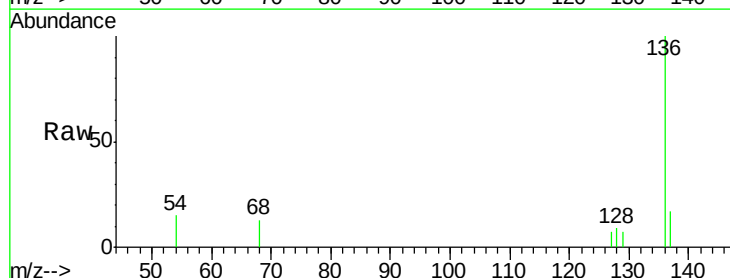
Tgt Ion: 128 Resp: 38

Ion Ratio Lower Upper

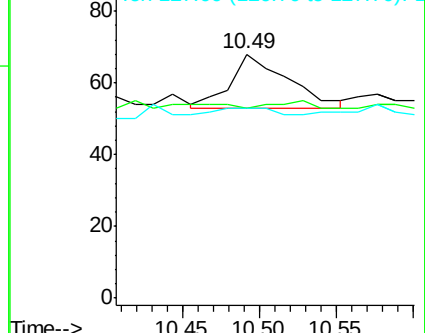
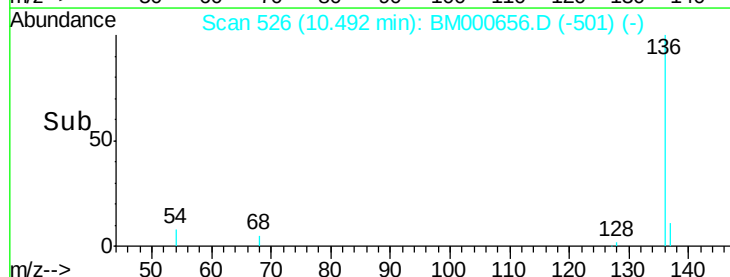
128 100

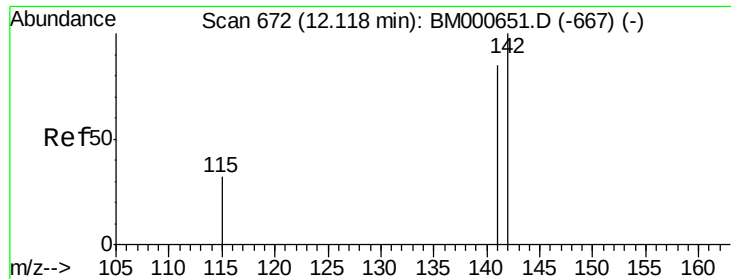
129 77.9 8.5 12.7#

127 77.9 11.0 16.6#



Abundance Ion 128.00 (127.70 to 128.70): BM000656.D (-501) (-)





#7

2-Methylnaphthalene

Concen: 0.00 ng/ul

RT: 12.23 min Scan# 683

Delta R.T. 0.11 min

Lab File: BM000656.D

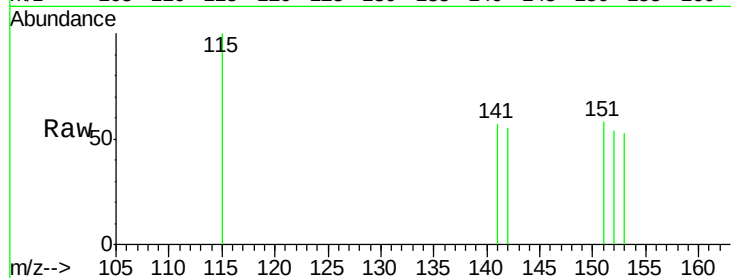
Acq: 04 Mar 2015 21:20

Tgt Ion:142 Resp: 2

Ion Ratio Lower Upper

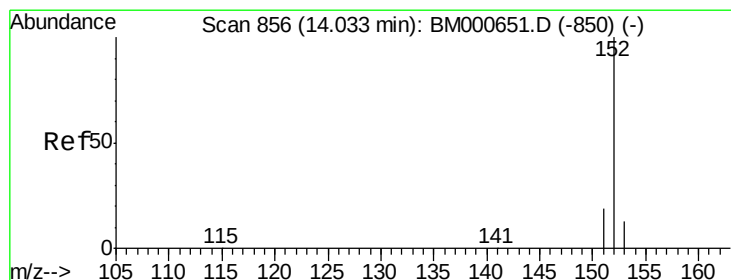
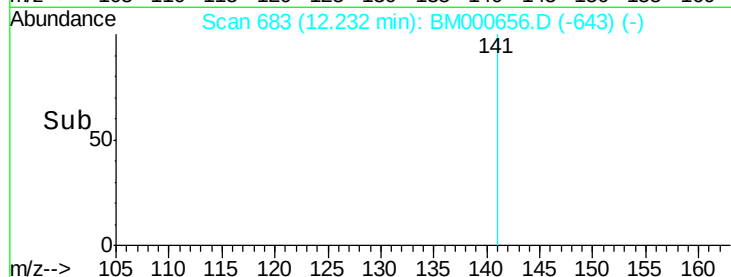
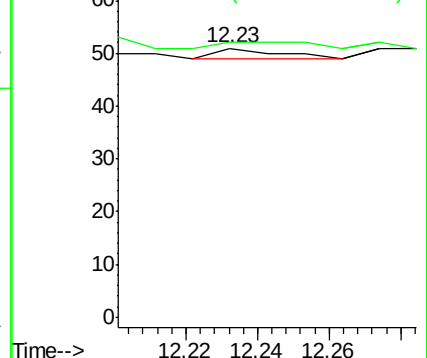
142 100

141 100.0 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: 14.03 min Scan# 856

Delta R.T. 0.00 min

Lab File: BM000656.D

Acq: 04 Mar 2015 21:20

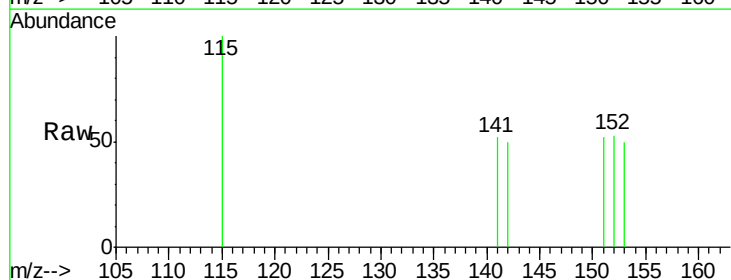
Tgt Ion:152 Resp: 8

Ion Ratio Lower Upper

152 100

151 98.1 16.0 24.0#

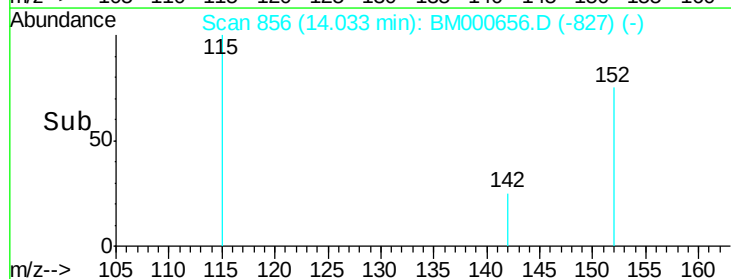
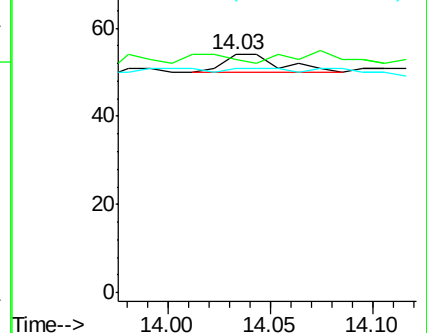
153 94.4 10.2 15.4#

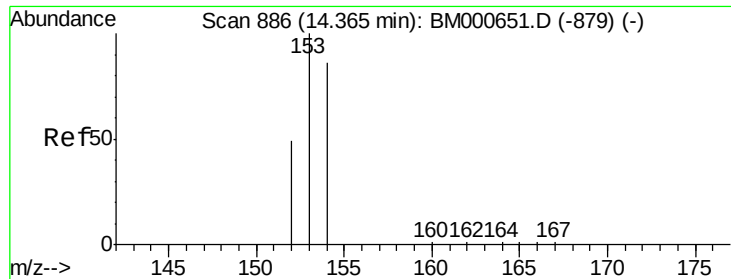


Abundance Ion 152.00 (151.70 to 152.70): E

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

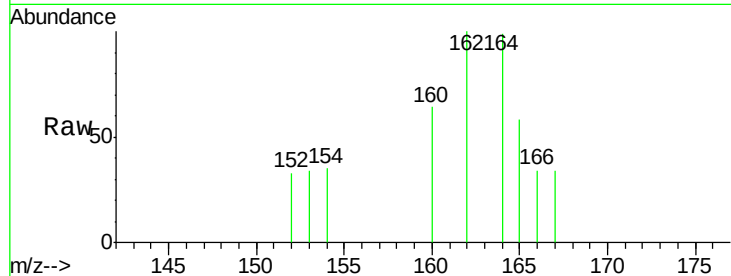
RT: 14.37 min Scan# 886

Delta R.T. 0.00 min

Lab File: BM000656.D

Acq: 04 Mar 2015 21:20

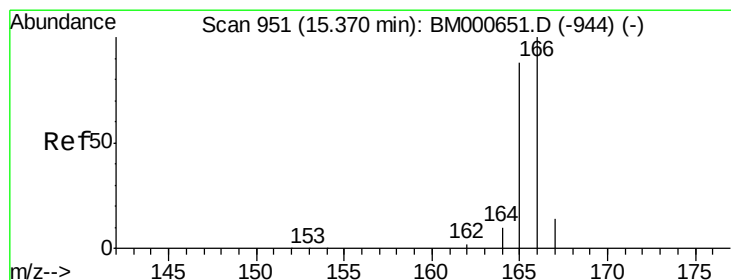
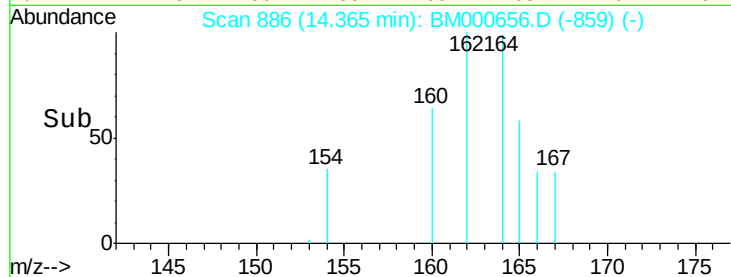
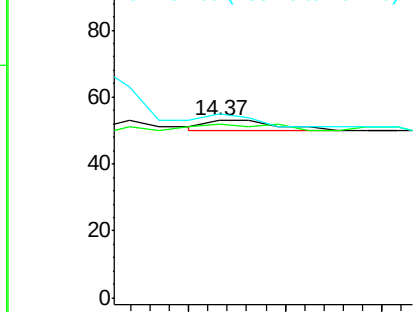
Tgt Ion:	153	Resp:	7
Ion	Ratio	Lower	Upper
153	100		
152	98.1	34.2	51.2#
154	103.8	78.8	118.2



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

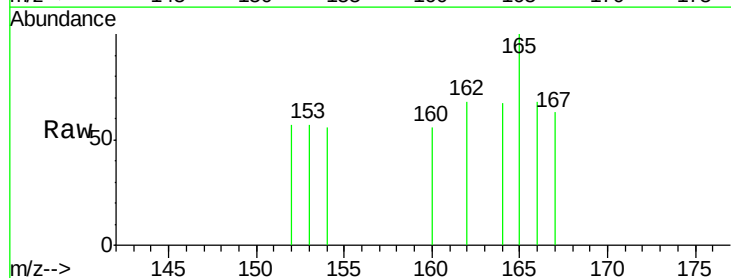
RT: 15.37 min Scan# 951

Delta R.T. 0.00 min

Lab File: BM000656.D

Acq: 04 Mar 2015 21:20

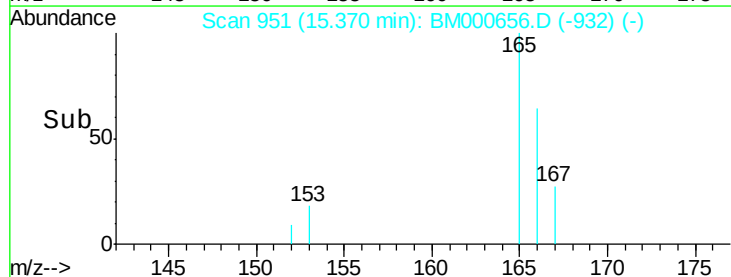
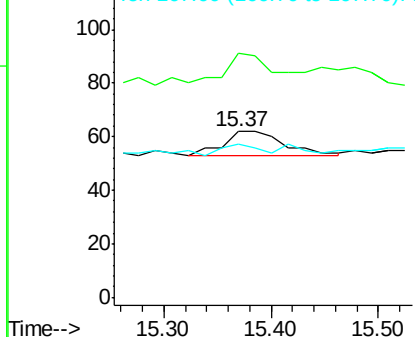
Tgt Ion:	166	Resp:	36
Ion	Ratio	Lower	Upper
166	100		
165	146.8	78.5	117.7#
167	91.9	10.6	16.0#

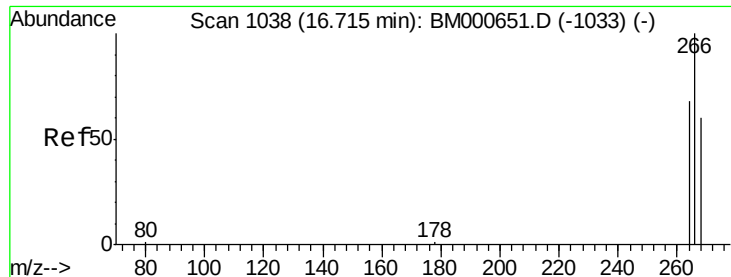


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

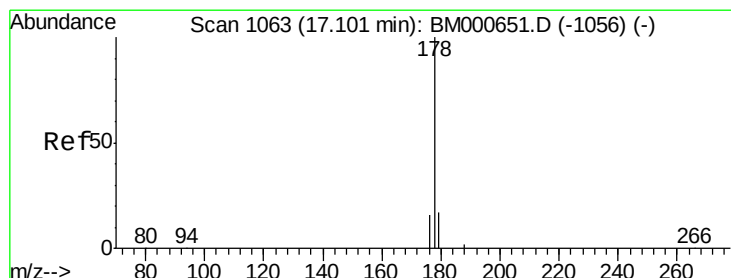
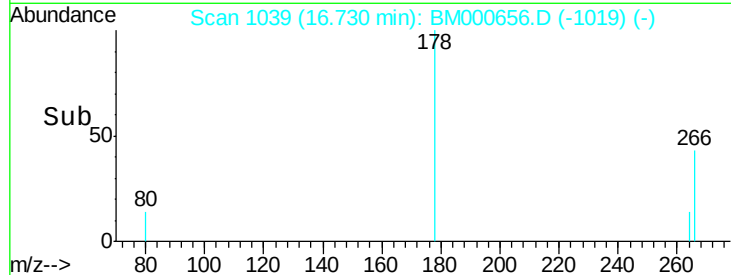
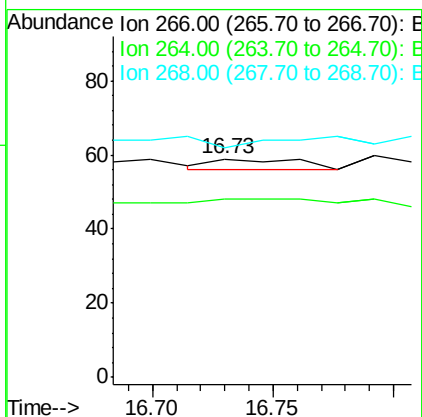
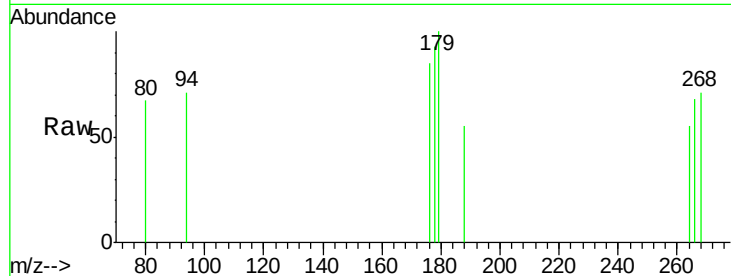
Ion 167.00 (166.70 to 167.70): E





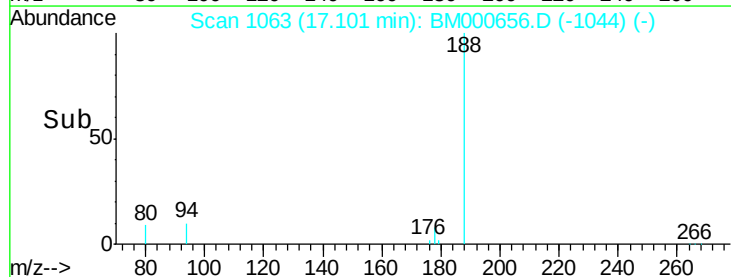
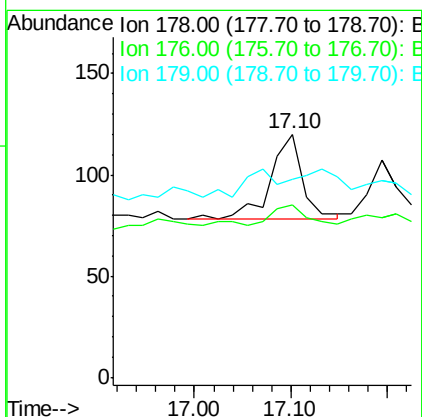
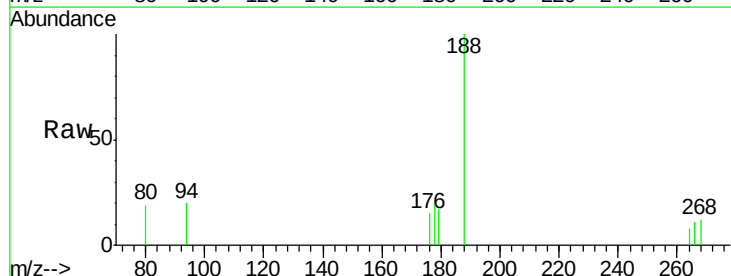
#13
 Pentachlorophenol
 Concen: 0.00 ng/ul
 RT: 16.73 min Scan# 1039
 Delta R.T. 0.02 min
 Lab File: BM000656.D
 Acq: 04 Mar 2015 21:20

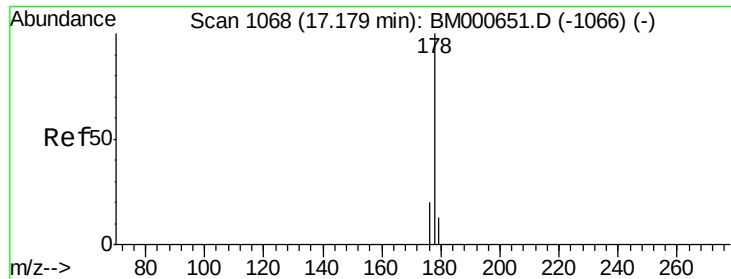
Tgt Ion: 266 Resp: 7
 Ion Ratio Lower Upper
 266 100
 264 42.9 51.0 76.4#
 268 85.7 49.4 74.2#



#14
 Phenanthrene
 Concen: 0.00 ng/ul
 RT: 17.10 min Scan# 1063
 Delta R.T. 0.00 min
 Lab File: BM000656.D
 Acq: 04 Mar 2015 21:20

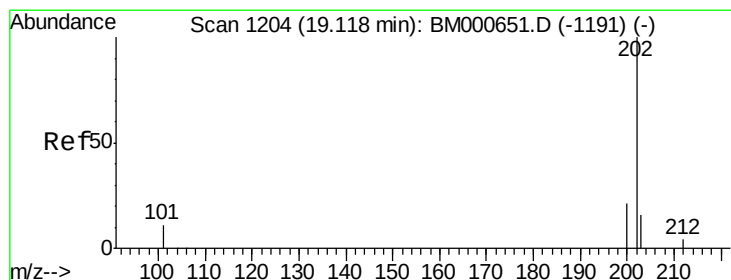
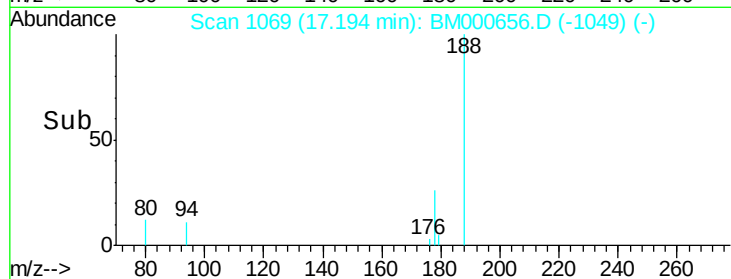
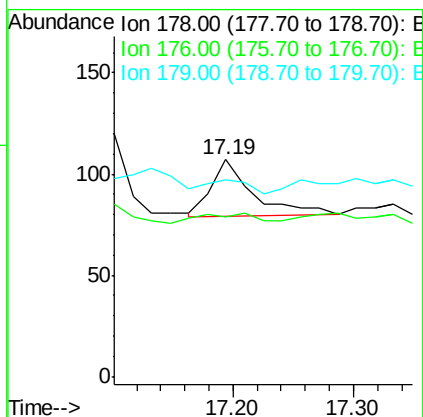
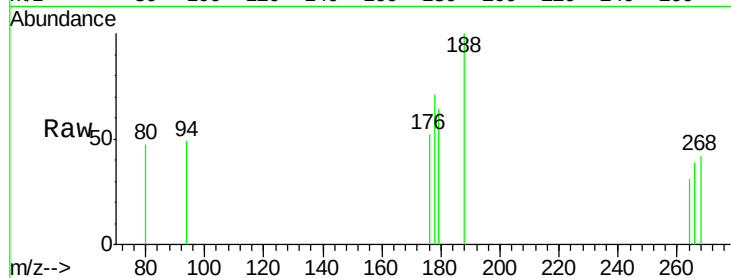
Tgt Ion: 178 Resp: 100
 Ion Ratio Lower Upper
 178 100
 176 70.8 14.8 22.2#
 179 81.7 12.7 19.1#





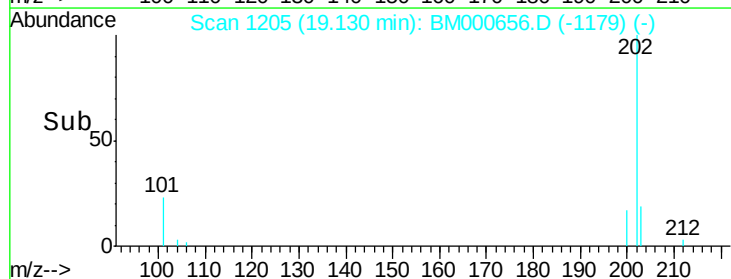
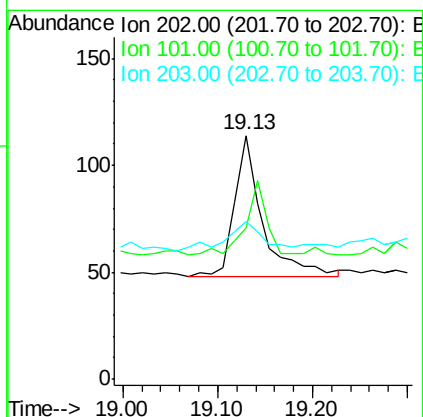
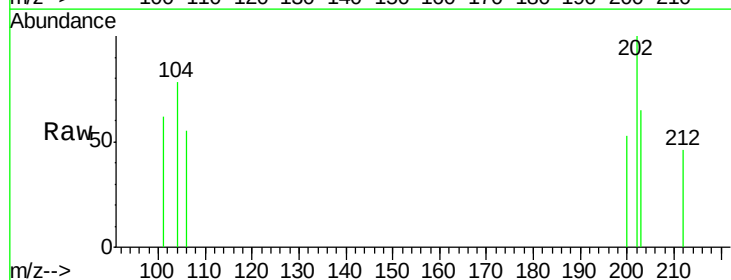
#15
 Anthracene
 Concen: 0.00 ng/ul
 RT: 17.19 min Scan# 1069
 Delta R.T. 0.02 min
 Lab File: BM000656.D
 Acq: 04 Mar 2015 21:20

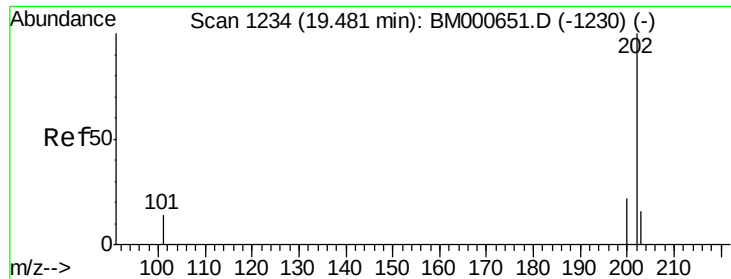
Tgt Ion:178 Resp: 66
 Ion Ratio Lower Upper
 178 100
 176 73.8 14.2 21.4#
 179 90.7 12.8 19.2#



#17
 Fluoranthene
 Concen: 0.00 ng/ul
 RT: 19.13 min Scan# 1205
 Delta R.T. 0.01 min
 Lab File: BM000656.D
 Acq: 04 Mar 2015 21:20

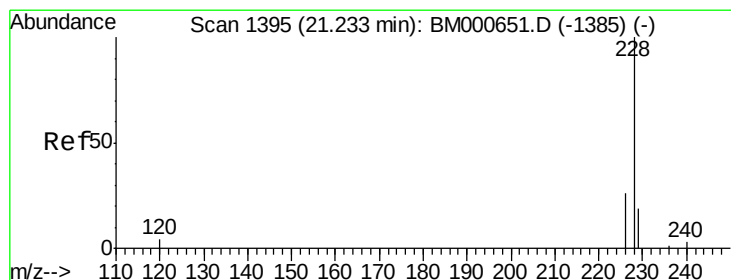
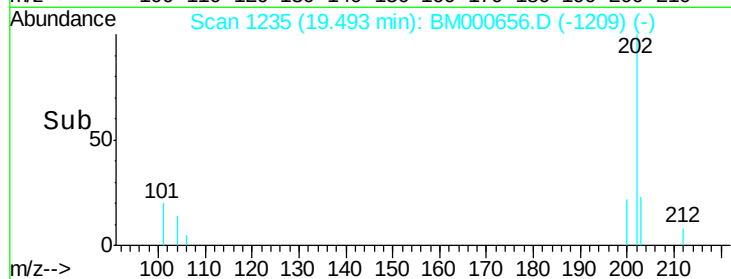
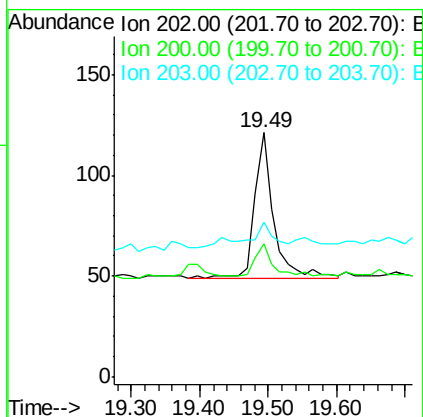
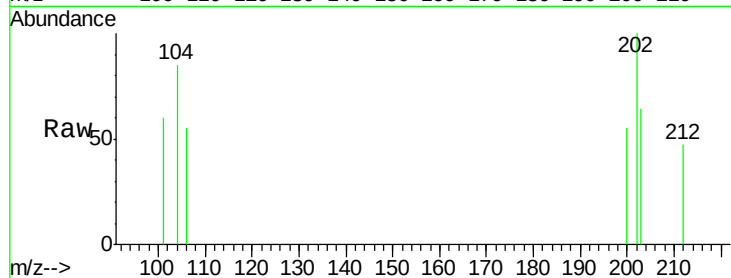
Tgt Ion:202 Resp: 136
 Ion Ratio Lower Upper
 202 100
 101 62.3 0.0 27.0#
 203 64.9 0.0 38.5#





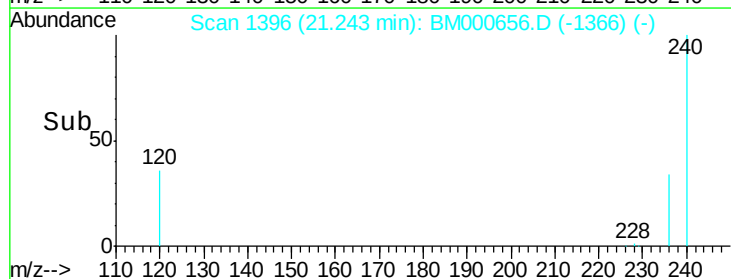
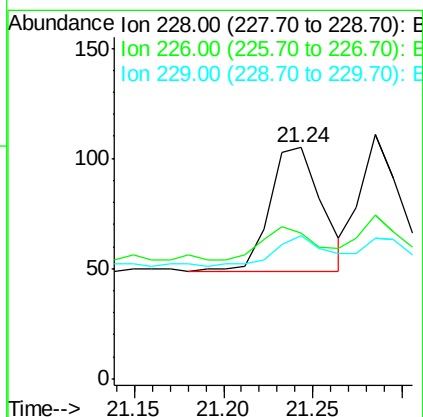
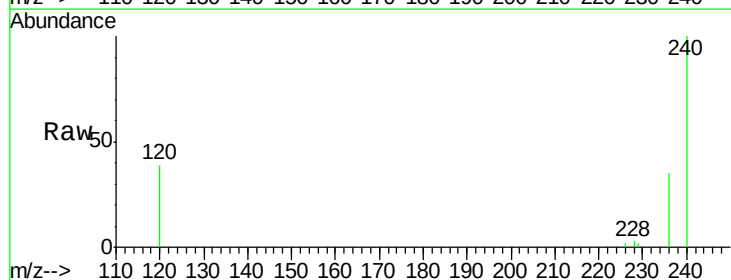
#19
Pyrene
Concen: 0.00 ng/ul
RT: 19.49 min Scan# 1235
Delta R.T. 0.01 min
Lab File: BM000656.D
Acq: 04 Mar 2015 21:20

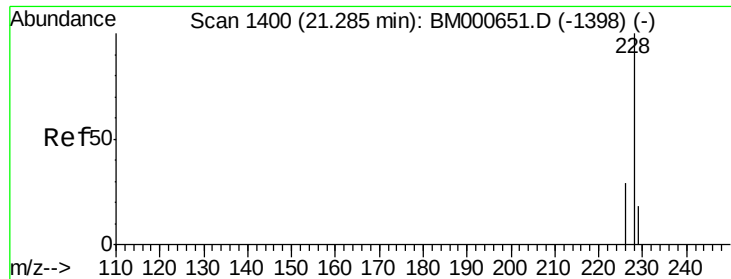
Tgt Ion: 202 Resp: 140
Ion Ratio Lower Upper
202 100
200 54.5 15.5 23.3#
203 63.6 14.2 21.2#



#20
Benzo(a)anthracene
Concen: 0.00 ng/ul
RT: 21.24 min Scan# 1396
Delta R.T. 0.01 min
Lab File: BM000656.D
Acq: 04 Mar 2015 21:20

Tgt Ion: 228 Resp: 113
Ion Ratio Lower Upper
228 100
226 62.9 20.0 30.0#
229 61.9 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: BM000656.D

Acq: 04 Mar 2015 21:20

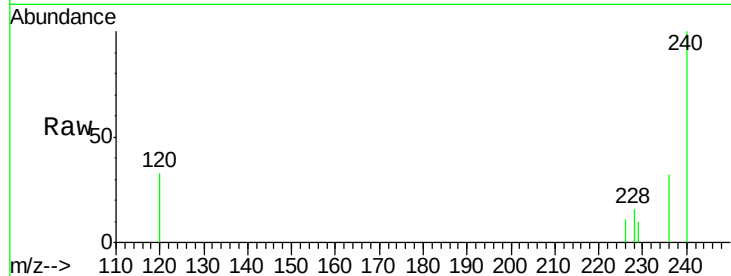
Tgt Ion: 228 Resp: 100

Ion Ratio Lower Upper

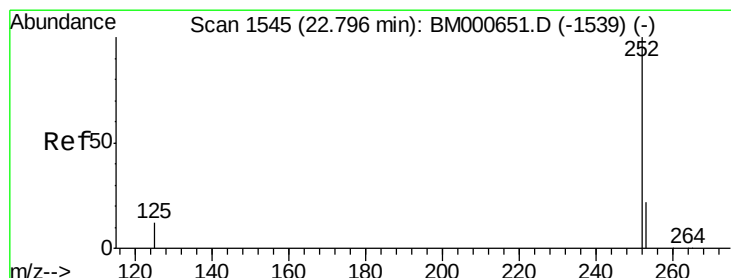
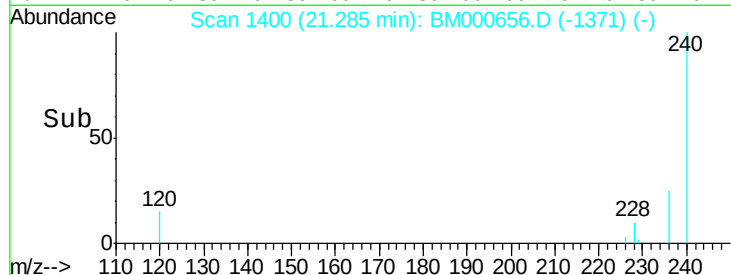
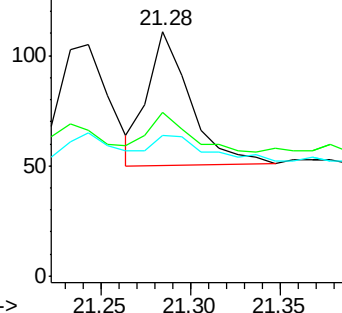
228 100

226 66.7 22.6 33.8#

229 57.7 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: 22.65 min Scan# 1531

Delta R.T. -0.15 min

Lab File: BM000656.D

Acq: 04 Mar 2015 21:20

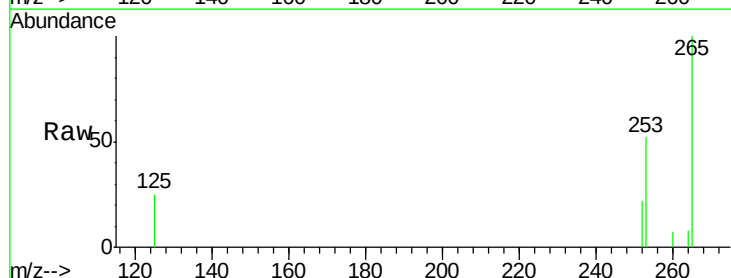
Tgt Ion: 252 Resp: 706

Ion Ratio Lower Upper

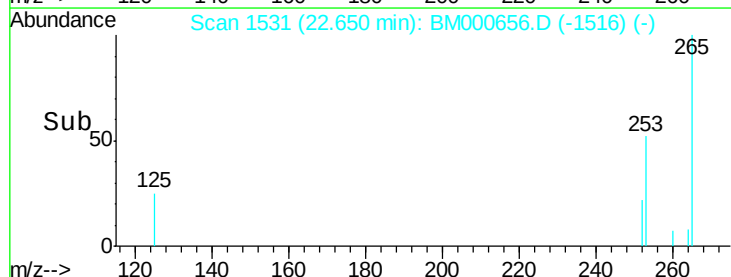
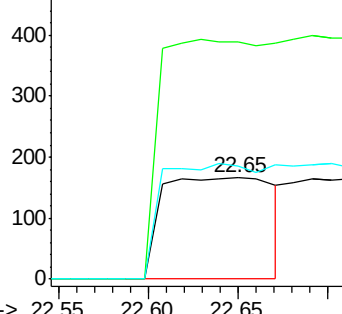
252 100

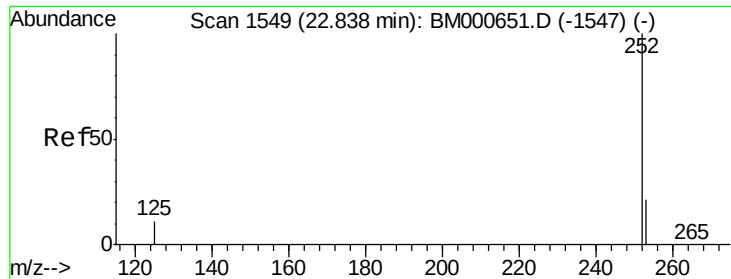
253 234.3 0.0 51.2#

125 112.0 0.0 30.0#



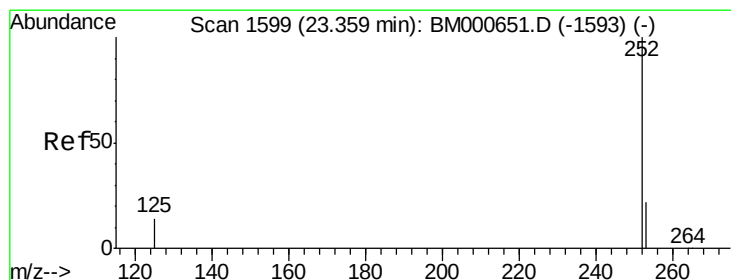
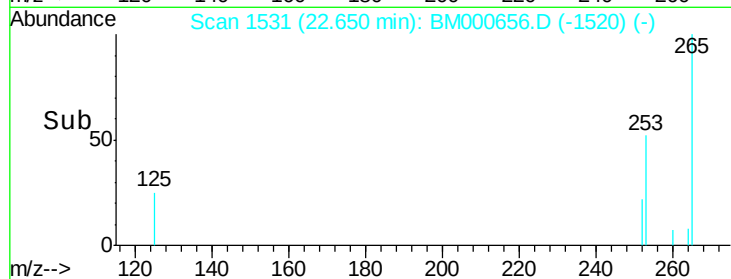
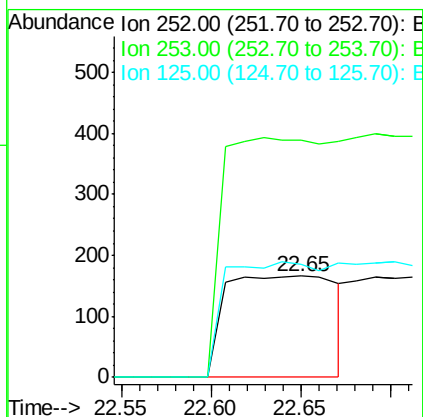
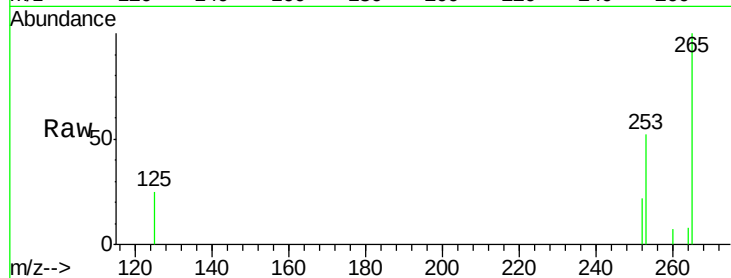
Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E





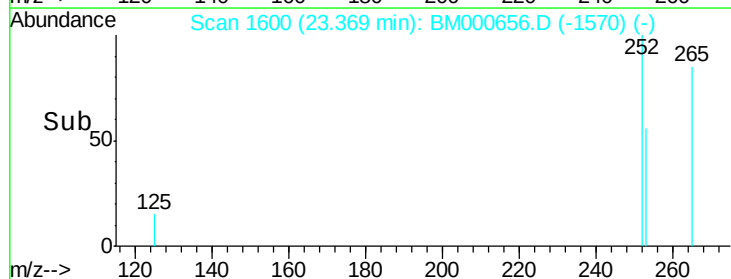
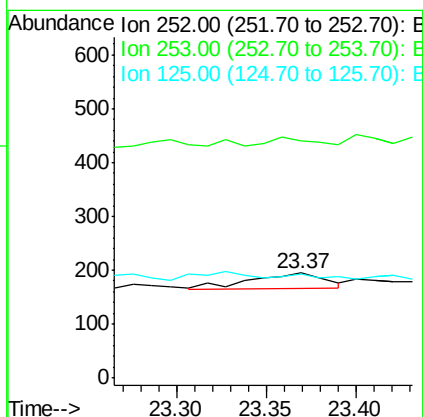
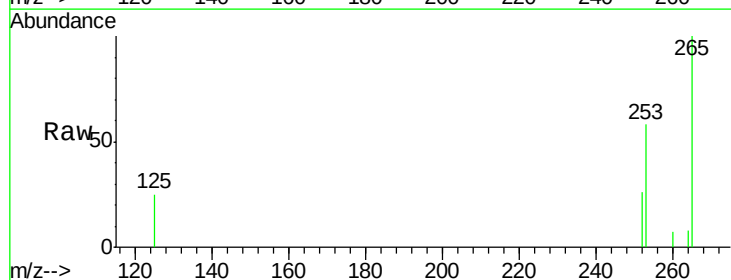
#24
Benzo(k)fluoranthene
Concen: 0.02 ng/ul
RT: 22.65 min Scan# 1531
Delta R.T. -0.19 min
Lab File: BM000656.D
Acq: 04 Mar 2015 21:20

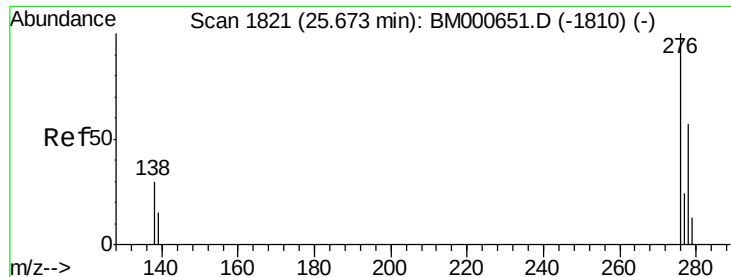
Tgt Ion: 252 Resp: 706
Ion Ratio Lower Upper
252 100
253 234.3 20.5 30.7#
125 112.0 11.8 17.6#



#25
Benzo(a)pyrene
Concen: 0.00 ng/ul
RT: 23.37 min Scan# 1600
Delta R.T. 0.01 min
Lab File: BM000656.D
Acq: 04 Mar 2015 21:20

Tgt Ion: 252 Resp: 84
Ion Ratio Lower Upper
252 100
253 225.6 23.4 35.0#
125 98.5 12.2 18.4#

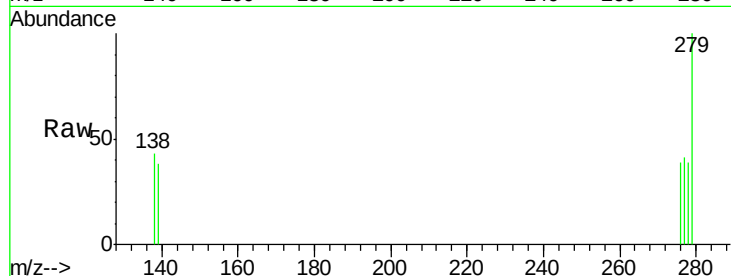




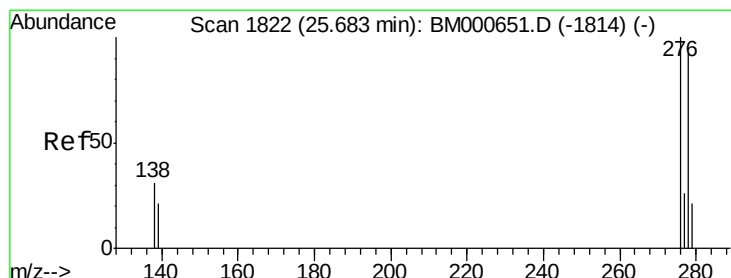
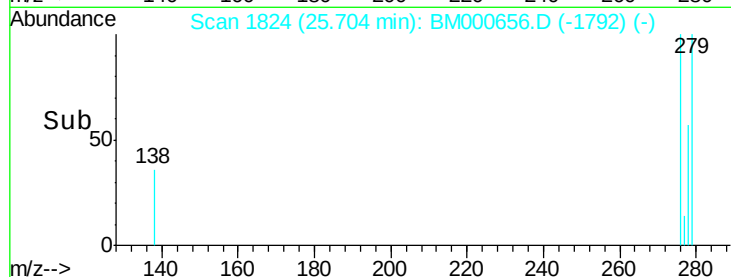
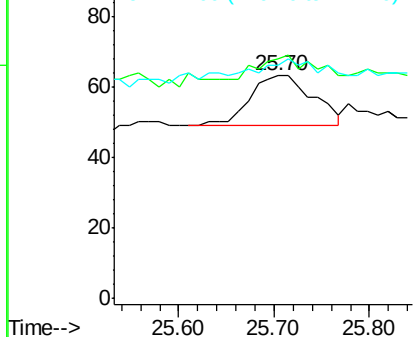
#26

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: BM000656.D
Acq: 04 Mar 2015 21:20

Tgt Ion: 276 Resp: 64
Ion Ratio Lower Upper
276 100
138 46.9 23.8 35.8#
277 32.8 19.7 29.5#



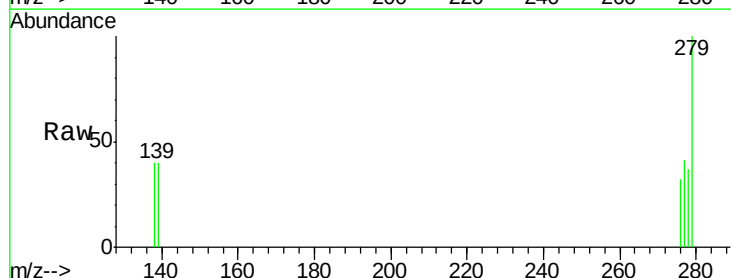
Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 277.00 (276.70 to 277.70): E



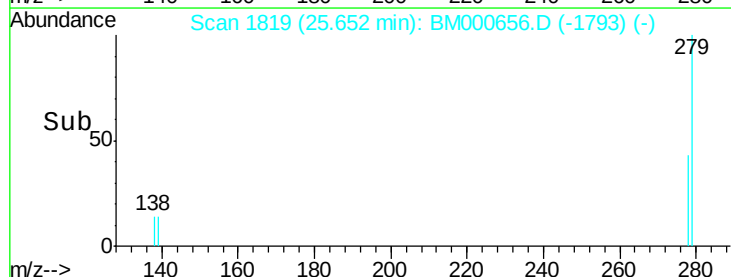
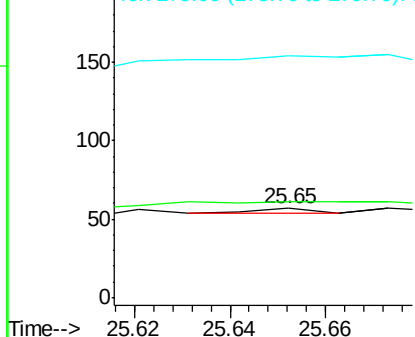
#27

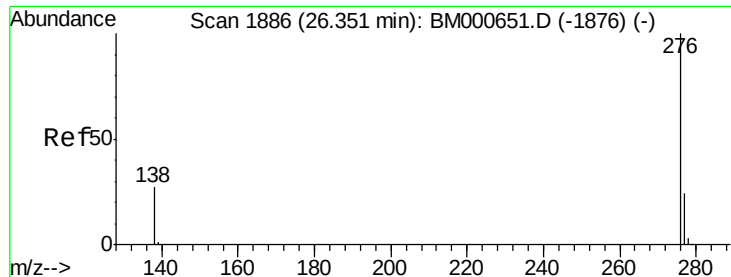
Dibenzo(a,h)anthracene
Concen: 0.00 ng/ul
RT: 25.65 min Scan# 1819
Delta R.T. -0.03 min
Lab File: BM000656.D
Acq: 04 Mar 2015 21:20

Tgt Ion: 278 Resp: 3
Ion Ratio Lower Upper
278 100
139 107.0 17.0 25.6#
279 270.2 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: 26.37 min Scan# 1888

Delta R.T. 0.02 min

Lab File: BM000656.D

Acq: 04 Mar 2015 21:20

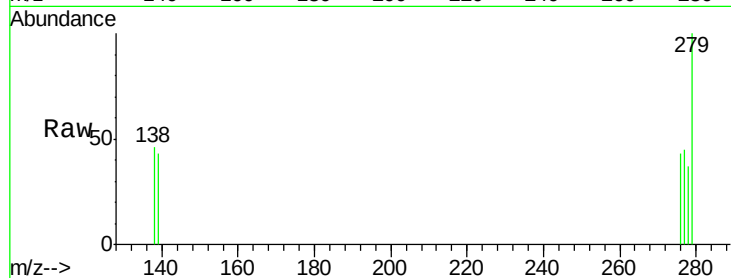
Tgt Ion: 276 Resp: 76

Ion Ratio Lower Upper

276 100

277 104.6 19.9 29.9#

138 106.2 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

