

Data Path : Z:\HPCHEM1\BNA_M\Data\BM010815\
 Data File : BM000157.D
 Acq On : 09 Jan 2015 00:25
 Operator : TP/IZ
 Sample : MDL-05-S
 Misc : MDL-SOIL-0.15PPM-SIM
 ALS Vial : 38 Sample Multiplier: 1

Quant Time: Jan 09 01:08:42 2015

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-SIM-BM010715.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Thu Jan 08 10:41:47 2015

Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.84	152	2640	0.40	ng/ul	0.00
2) Naphthalene-d8	10.62	136	8790	0.40	ng/ul	-0.01
6) Acenaphthene-d10	14.47	164	5539	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.23	188	10289	0.40	ng/ul	0.02
16) Chrysene-d12	21.41	240	8815	0.40	ng/ul	0.00
20) Perylene-d12	23.70	264	8012	0.40	ng/ul	0.00

System Monitoring Compounds

4) 2-Methylnaphthalene-d10	12.21	152	3536	0.30	ng/ul	-0.01
14) Fluoranthene-d10	19.25	212	5677	0.26	ng/ul	0.00

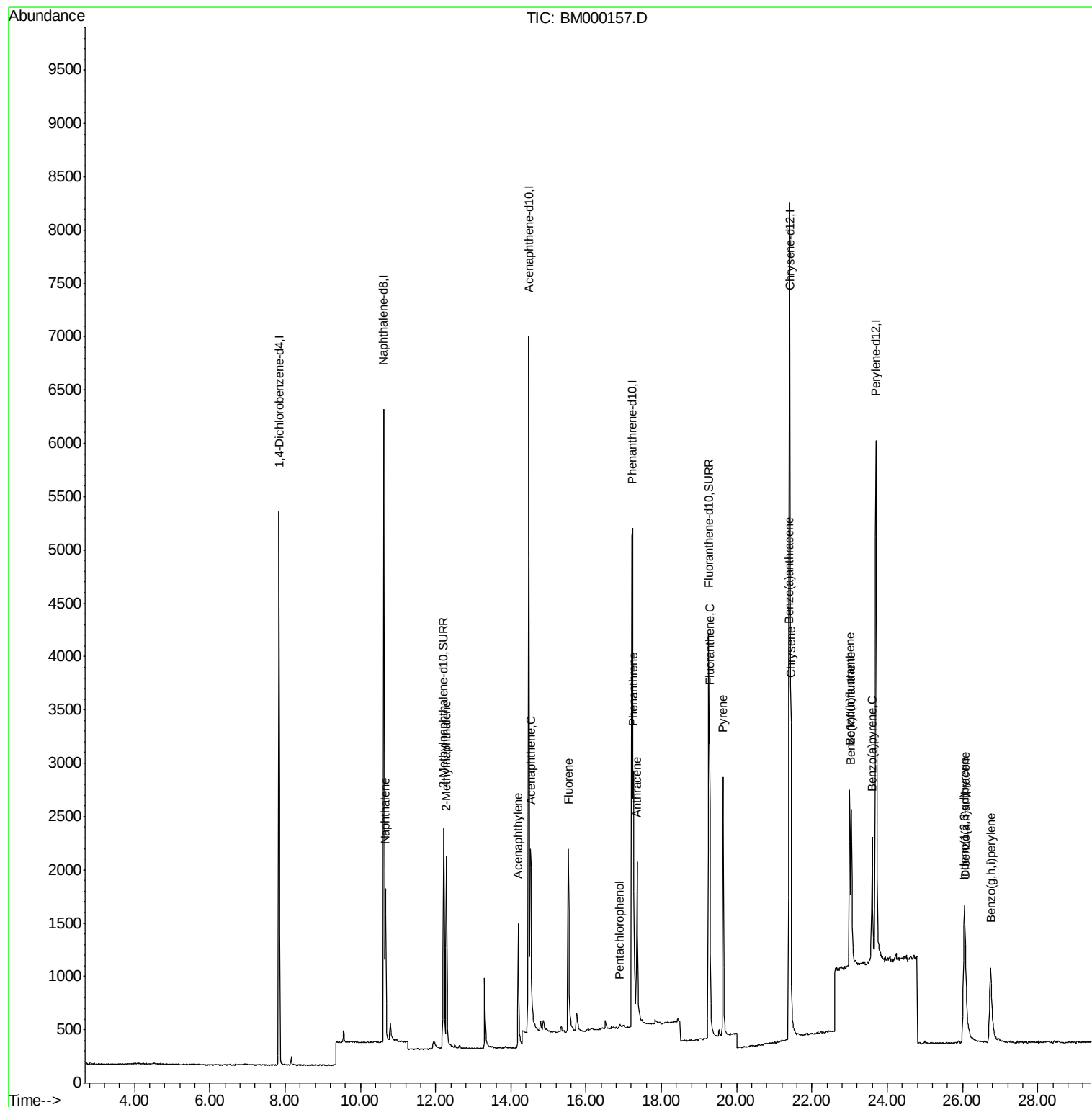
Target Compounds

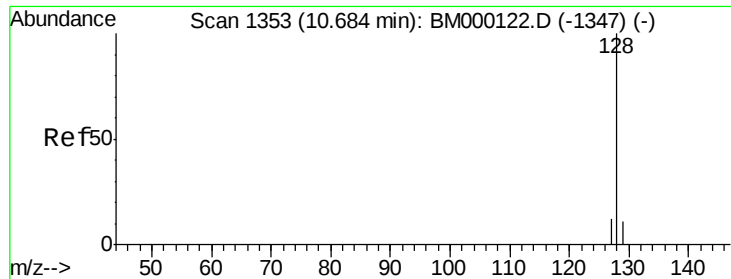
						Qvalue
3) Naphthalene	10.67	128	2123	0.09	ng/ul#	92
5) 2-Methylnaphthalene	12.28	142	1391	0.09	ng/ul	97
7) Acenaphthylene	14.20	152	2223	0.08	ng/ul#	90
8) Acenaphthene	14.52	153	1367	0.08	ng/ul#	82
9) Fluorene	15.52	166	1716	0.09	ng/ul#	96
11) Pentachlorophenol	16.89	266	102	0.06	ng/ul#	81
12) Phenanthrene	17.26	178	2652	0.08	ng/ul#	91
13) Anthracene	17.35	178	2397	0.08	ng/ul#	90
15) Fluoranthene	19.27	202	3000	0.09	ng/ul	93
17) Pyrene	19.64	202	3022	0.08	ng/ul#	93
18) Benzo(a)anthracene	21.39	228	2296	0.08	ng/ul	96
19) Chrysene	21.44	228	2733	0.09	ng/ul	96
21) Benzo(b)fluoranthene	23.00	252	2465	0.08	ng/ul	80
22) Benzo(k)fluoranthene	23.04	252	2696	0.09	ng/ul#	80
23) Benzo(a)pyrene	23.60	252	2336	0.08	ng/ul#	73
24) Indeno(1,2,3-cd)pyrene	26.03	276	2731	0.08	ng/ul	97
25) Dibenzo(a,h)anthracene	26.07	278	2099	0.08	ng/ul#	75
26) Benzo(g,h,i)perylene	26.74	276	2381	0.08	ng/ul#	87

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

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Misc : MDL-SOIL-0.15PPM-SIM
ALS Vial : 38 Sample Multiplier: 1

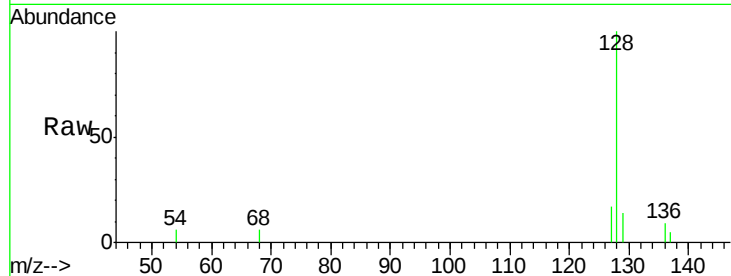
Quant Time: Jan 09 01:08:42 2015
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-SIM-BM010715.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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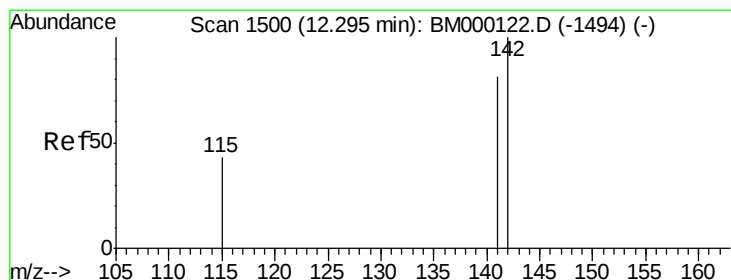
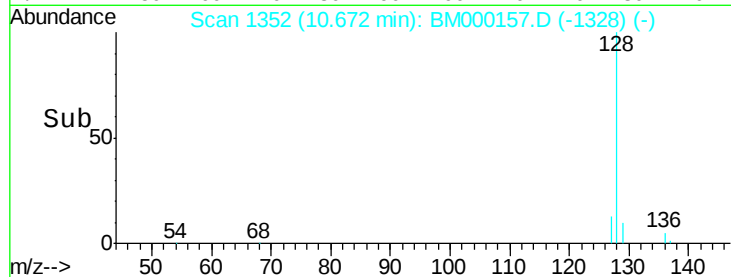
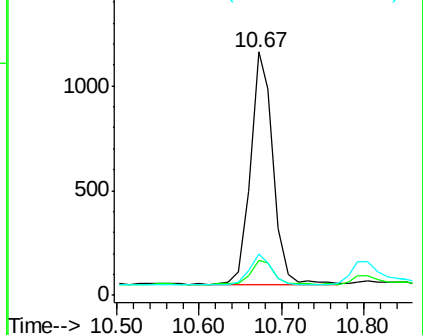


#3
Naphthalene
Concen: 0.09 ng/ul
RT: 10.67 min Scan# 1352
Delta R.T. -0.01 min
Lab File: BM000157.D
Acq: 09 Jan 2015 00:25

Tgt Ion:128 Resp: 2123
Ion Ratio Lower Upper
128 100
129 14.4 9.5 14.3#
127 16.9 10.4 15.6#

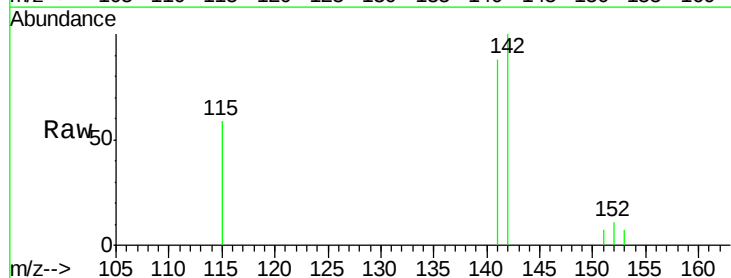


Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E

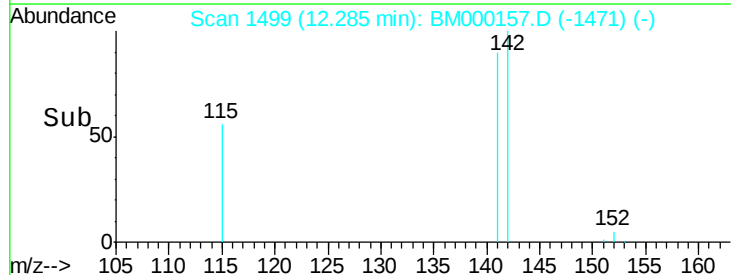
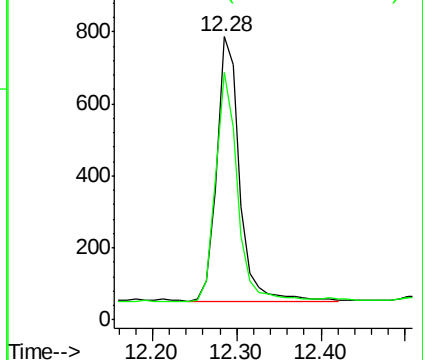


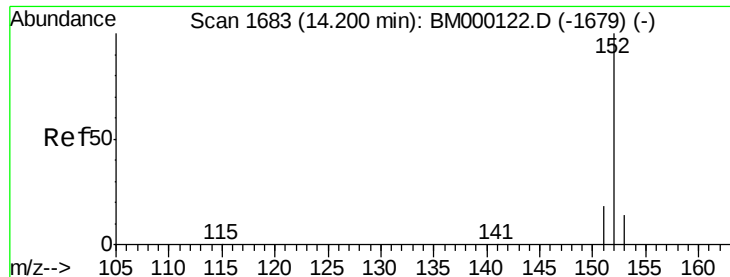
#5
2-Methylnaphthalene
Concen: 0.09 ng/ul
RT: 12.28 min Scan# 1499
Delta R.T. -0.01 min
Lab File: BM000157.D
Acq: 09 Jan 2015 00:25

Tgt Ion:142 Resp: 1391
Ion Ratio Lower Upper
142 100
141 83.5 68.9 103.3



Abundance Ion 142.00 (141.70 to 142.70): E
Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.08 ng/ul

RT: 14.20 min Scan# 1683

Delta R.T. 0.00 min

Lab File: BM000157.D

Acq: 09 Jan 2015 00:25

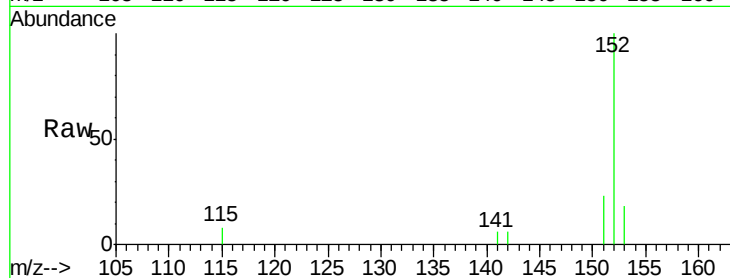
Tgt Ion:152 Resp: 2223

Ion Ratio Lower Upper

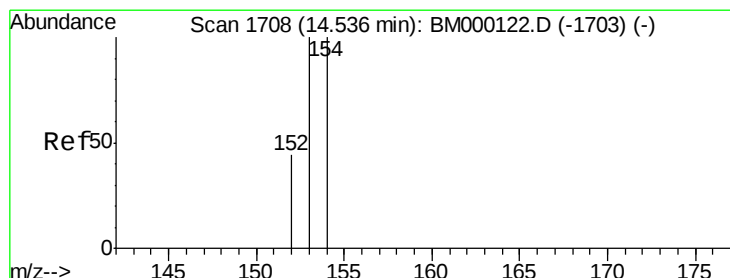
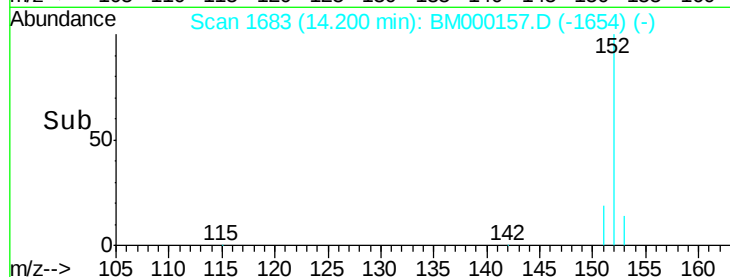
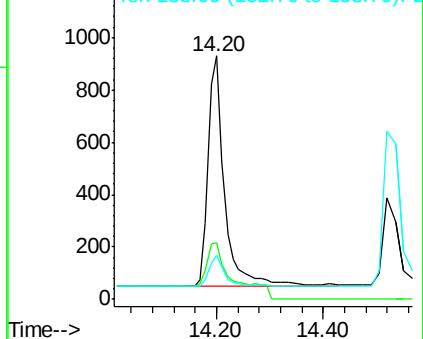
152 100

151 23.2 15.4 23.2#

153 18.2 11.0 16.4#



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



#8

Acenaphthene

Concen: 0.08 ng/ul

RT: 14.52 min Scan# 1707

Delta R.T. -0.02 min

Lab File: BM000157.D

Acq: 09 Jan 2015 00:25

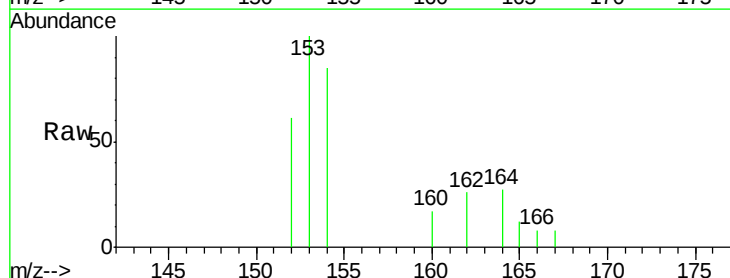
Tgt Ion:153 Resp: 1367

Ion Ratio Lower Upper

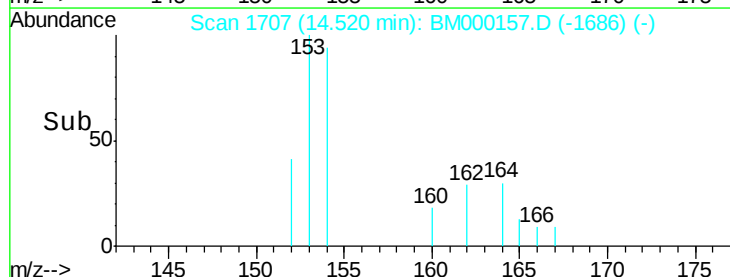
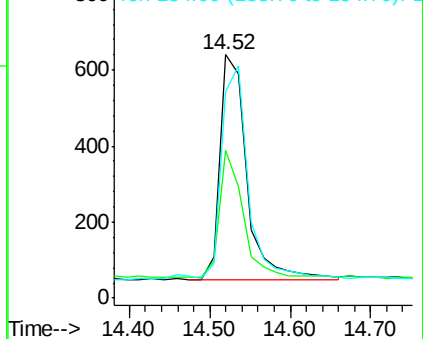
153 100

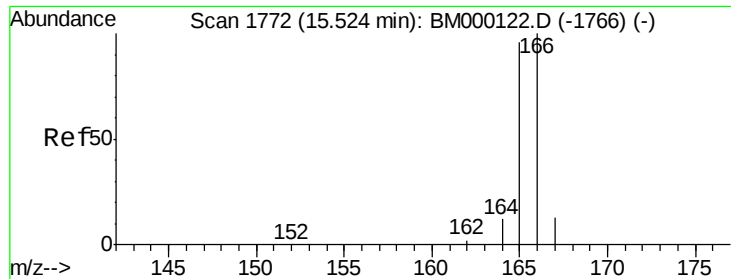
152 60.7 35.8 53.6#

154 84.6 79.9 119.9



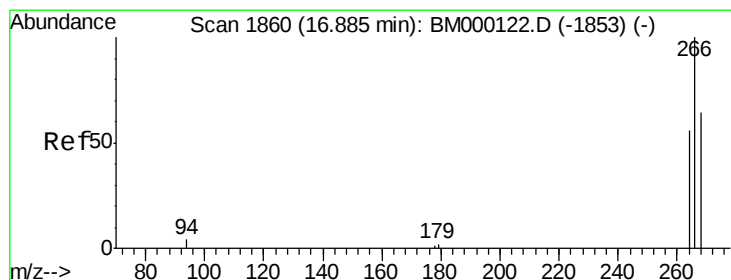
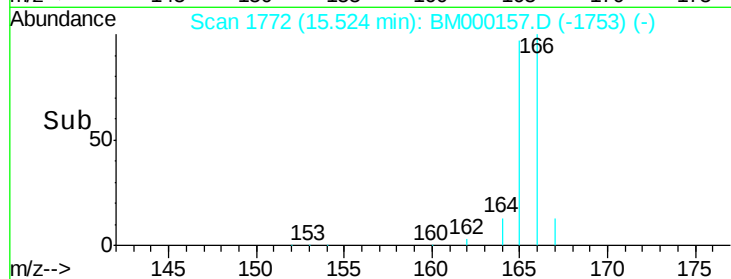
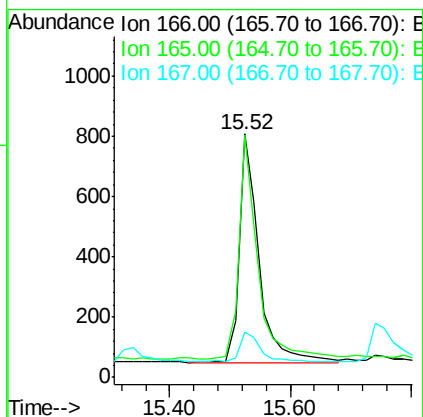
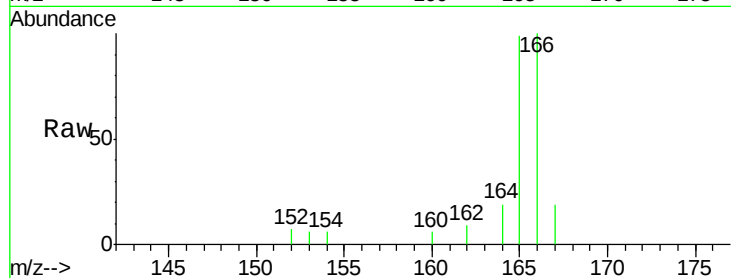
Abundance Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E
Ion 154.00 (153.70 to 154.70): E





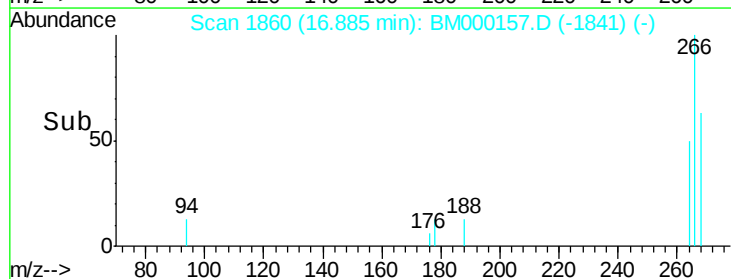
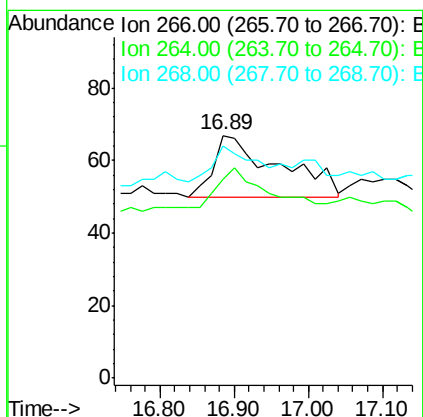
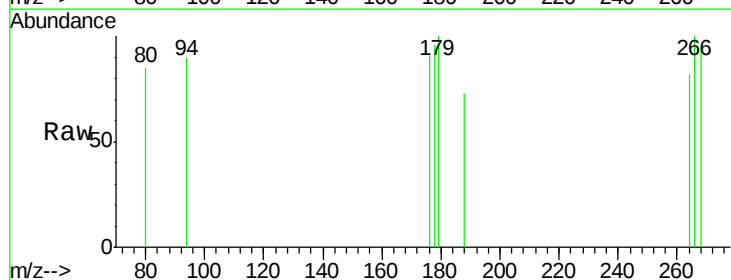
#9
Fluorene
 Concen: 0.09 ng/ul
 RT: 15.52 min Scan# 1772
 Delta R.T. 0.00 min
 Lab File: BM000157.D
 Acq: 09 Jan 2015 00:25

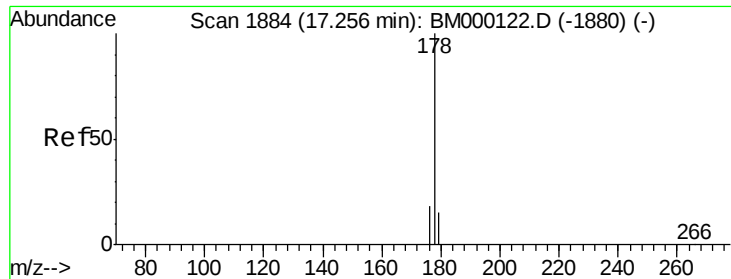
Tgt Ion:166 Resp: 1716
 Ion Ratio Lower Upper
 166 100
 165 99.4 77.0 115.4
 167 18.6 11.0 16.6#



#11
Pentachlorophenol
 Concen: 0.06 ng/ul
 RT: 16.89 min Scan# 1860
 Delta R.T. 0.00 min
 Lab File: BM000157.D
 Acq: 09 Jan 2015 00:25

Tgt Ion:266 Resp: 102
 Ion Ratio Lower Upper
 266 100
 264 61.8 53.9 80.9
 268 36.3 49.2 73.8#





#12

Phenanthrene

Concen: 0.08 ng/ul

RT: 17.26 min Scan# 1884

Delta R.T. 0.00 min

Lab File: BM000157.D

Acq: 09 Jan 2015 00:25

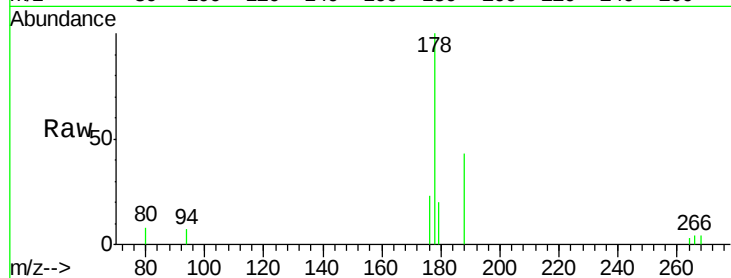
Tgt Ion:178 Resp: 2652

Ion Ratio Lower Upper

178 100

176 23.1 15.1 22.7#

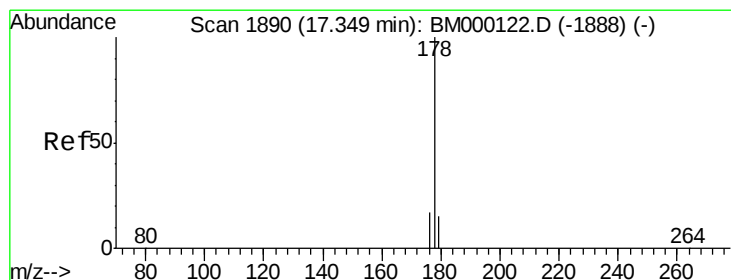
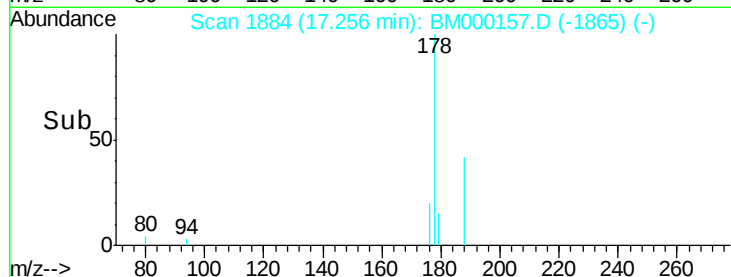
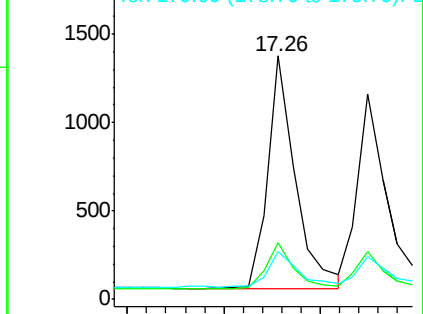
179 19.7 13.0 19.4#



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



#13

Anthracene

Concen: 0.08 ng/ul

RT: 17.35 min Scan# 1890

Delta R.T. 0.00 min

Lab File: BM000157.D

Acq: 09 Jan 2015 00:25

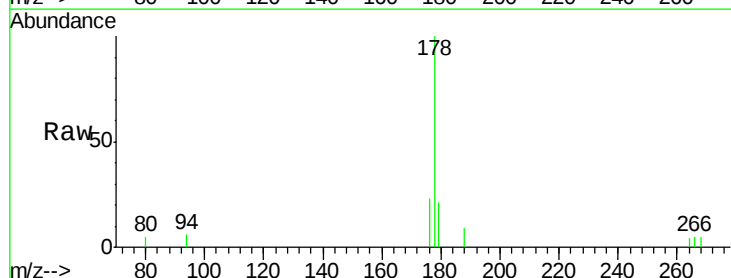
Tgt Ion:178 Resp: 2397

Ion Ratio Lower Upper

178 100

176 23.0 14.6 21.8#

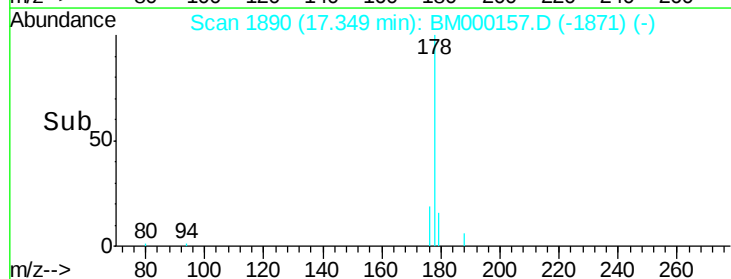
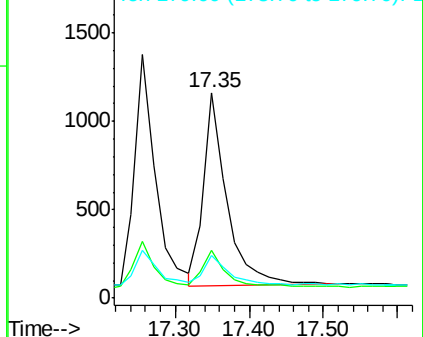
179 20.7 13.1 19.7#

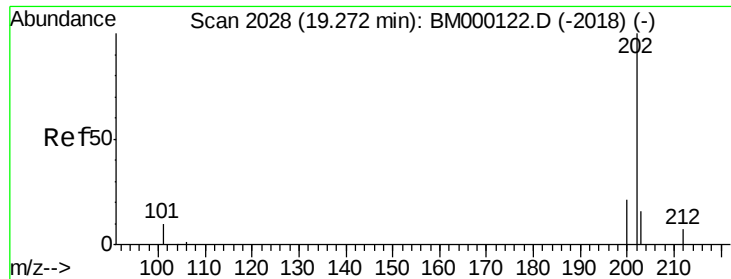


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

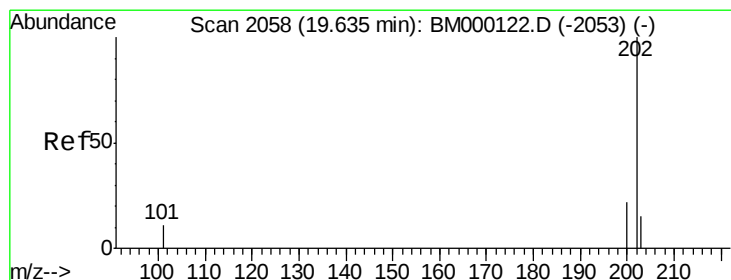
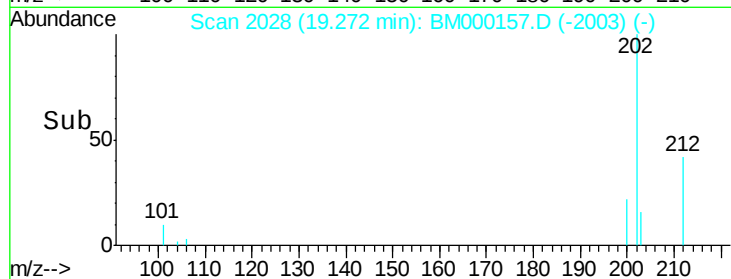
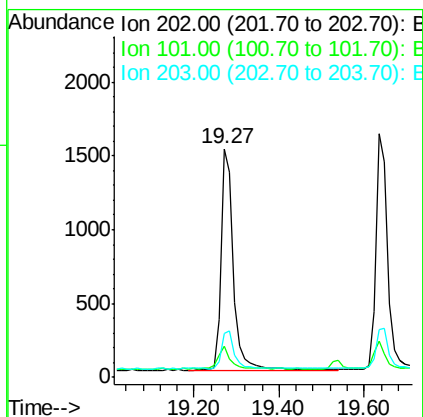
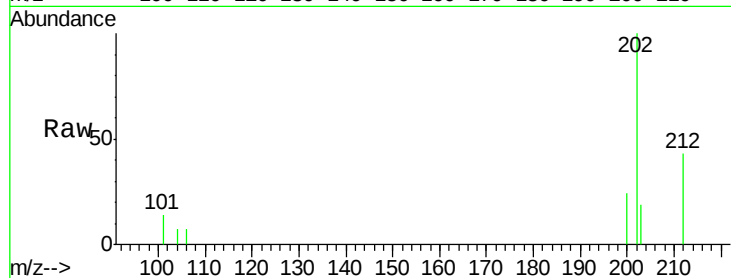
Ion 179.00 (178.70 to 179.70): E





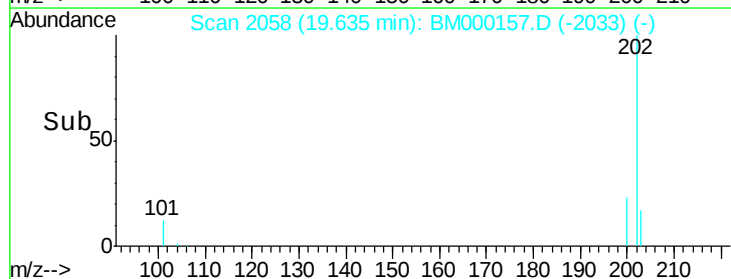
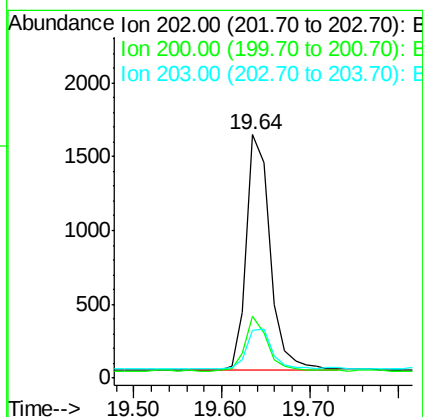
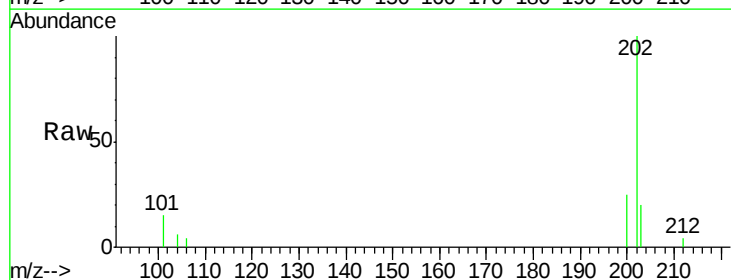
#15
Fluoranthene
 Concen: 0.09 ng/u1
 RT: 19.27 min Scan# 2028
 Delta R.T. 0.00 min
 Lab File: BM000157.D
 Acq: 09 Jan 2015 00:25

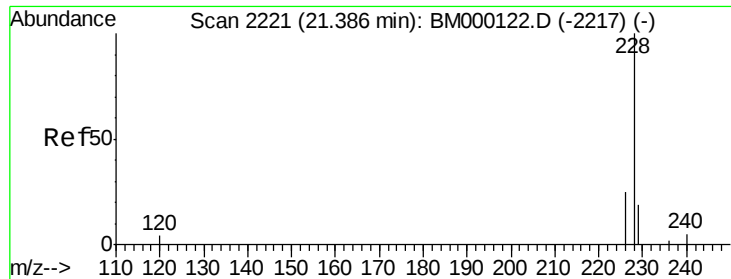
Tgt Ion:202 Resp: 3000
 Ion Ratio Lower Upper
 202 100
 101 13.6 0.0 30.5
 203 19.0 0.0 36.6



#17
Pyrene
 Concen: 0.08 ng/u1
 RT: 19.64 min Scan# 2058
 Delta R.T. 0.00 min
 Lab File: BM000157.D
 Acq: 09 Jan 2015 00:25

Tgt Ion:202 Resp: 3022
 Ion Ratio Lower Upper
 202 100
 200 25.2 17.9 26.9
 203 19.8 12.8 19.2#





#18

Benzo(a)anthracene

Concen: 0.08 ng/ul

RT: 21.39 min Scan# 2221

Delta R.T. 0.00 min

Lab File: BM000157.D

Acq: 09 Jan 2015 00:25

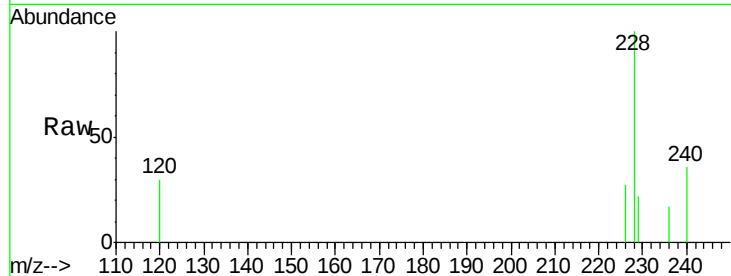
Tgt Ion:228 Resp: 2296

Ion Ratio Lower Upper

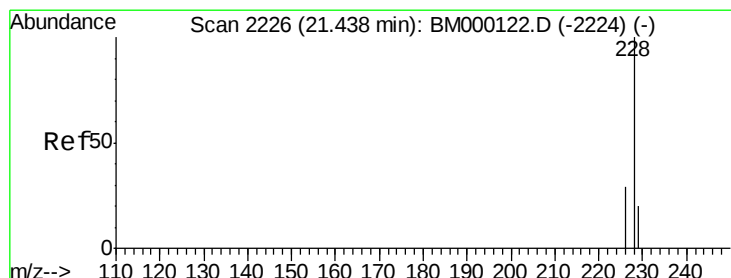
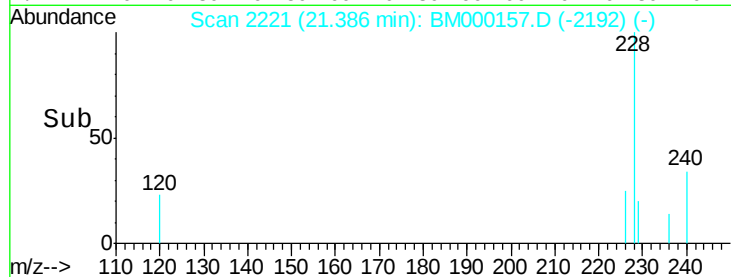
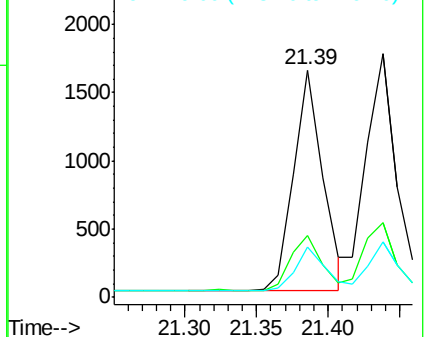
228 100

226 27.3 20.8 31.2

229 22.0 15.5 23.3



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



#19

Chrysene

Concen: 0.09 ng/ul

RT: 21.44 min Scan# 2226

Delta R.T. 0.00 min

Lab File: BM000157.D

Acq: 09 Jan 2015 00:25

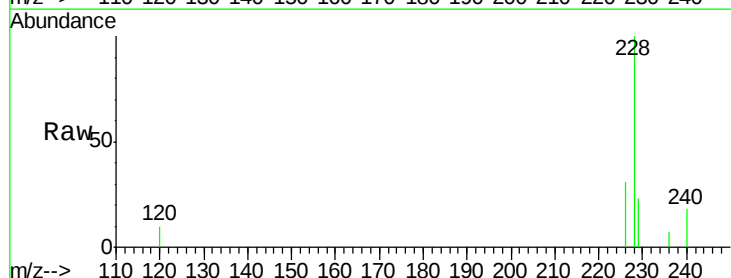
Tgt Ion:228 Resp: 2733

Ion Ratio Lower Upper

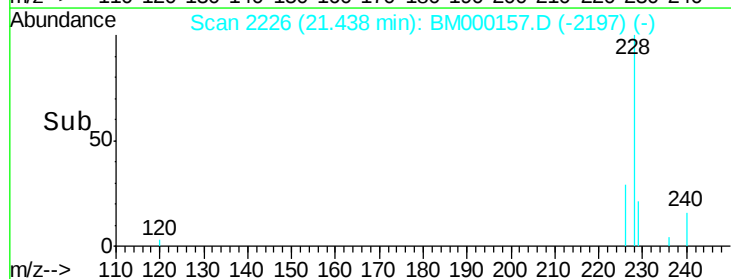
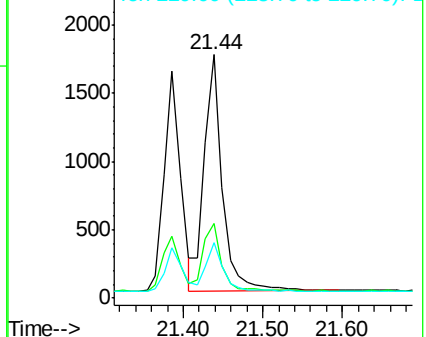
228 100

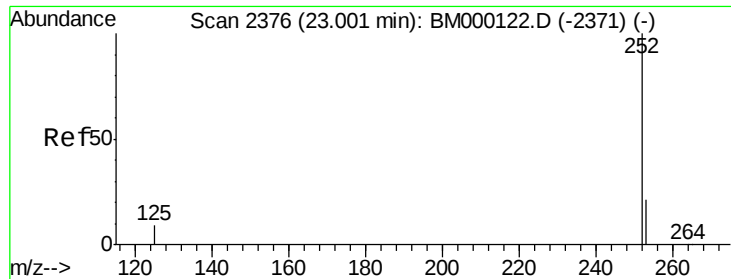
226 30.5 23.8 35.6

229 23.0 15.8 23.8



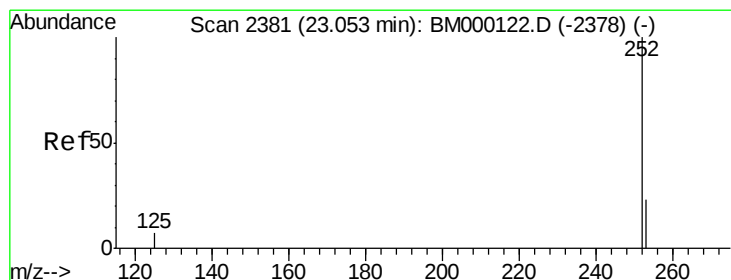
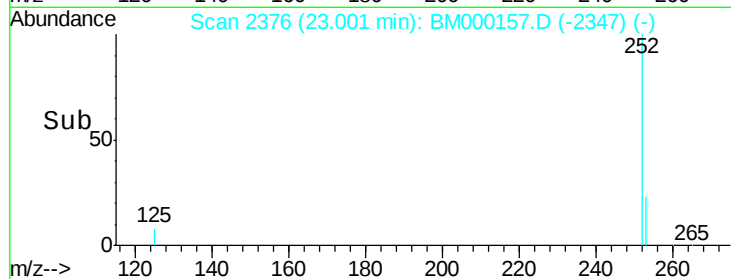
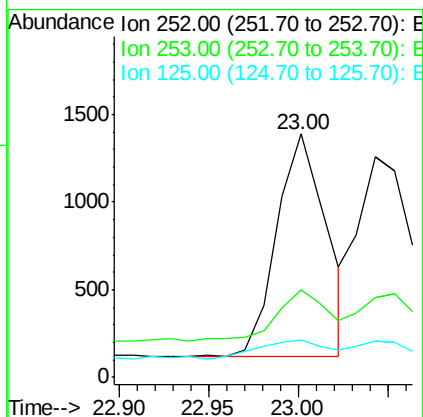
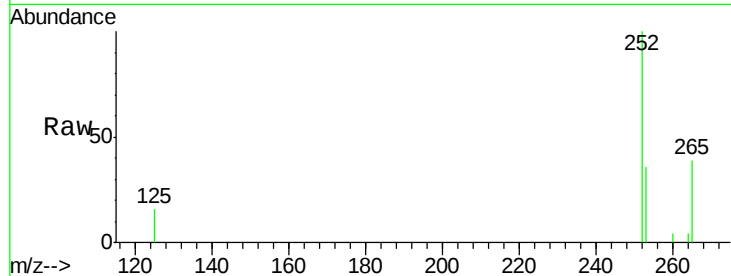
Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E





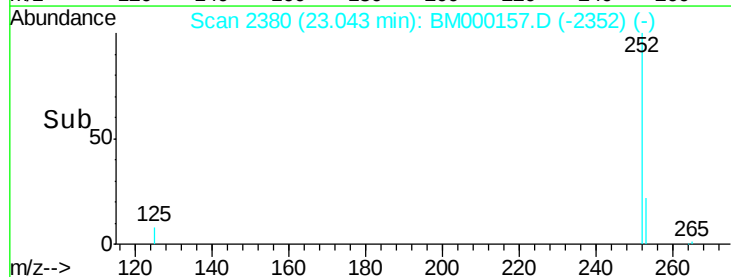
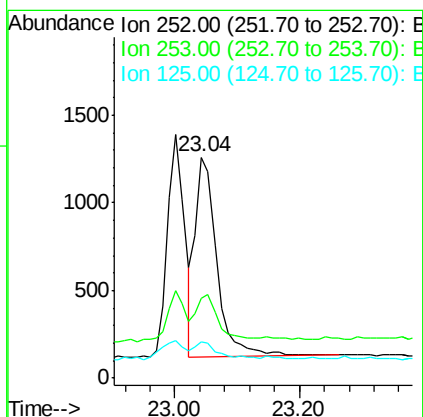
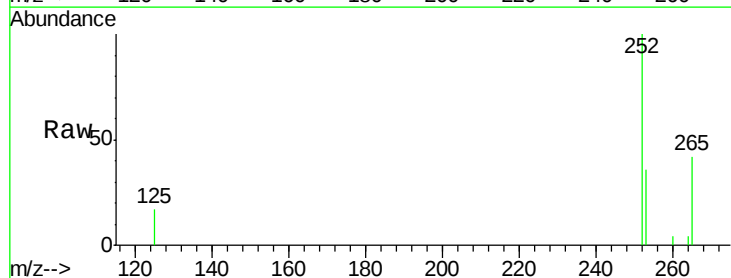
#21
Benzo(b)fluoranthene
Concen: 0.08 ng/u1
RT: 23.00 min Scan# 2376
Delta R.T. 0.00 min
Lab File: BM000157.D
Acq: 09 Jan 2015 00:25

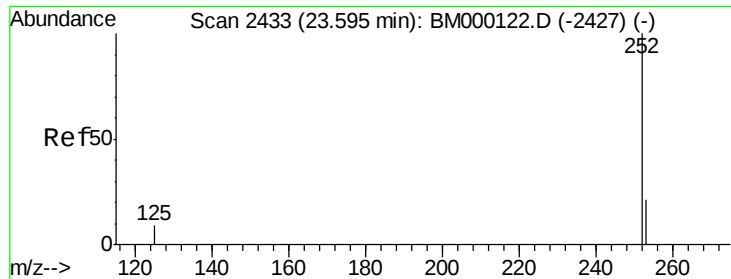
Tgt Ion:252 Resp: 2465
Ion Ratio Lower Upper
252 100
253 35.8 0.0 48.2
125 15.5 0.0 21.6



#22
Benzo(k)fluoranthene
Concen: 0.09 ng/u1
RT: 23.04 min Scan# 2380
Delta R.T. -0.01 min
Lab File: BM000157.D
Acq: 09 Jan 2015 00:25

Tgt Ion:252 Resp: 2696
Ion Ratio Lower Upper
252 100
253 36.2 20.5 30.7#
125 16.7 7.8 11.8#





#23

Benzo(a)pyrene

Concen: 0.08 ng/ul

RT: 23.60 min Scan# 2433

Delta R.T. 0.00 min

Lab File: BM000157.D

Acq: 09 Jan 2015 00:25

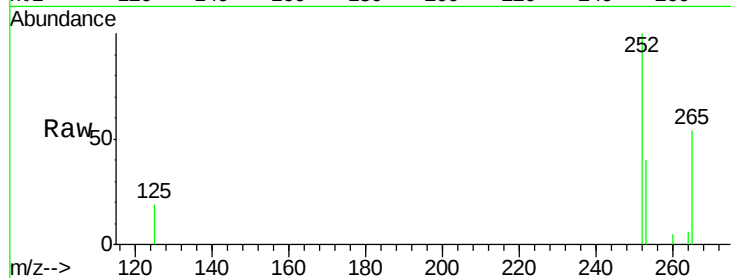
Tgt Ion: 252 Resp: 2336

Ion Ratio Lower Upper

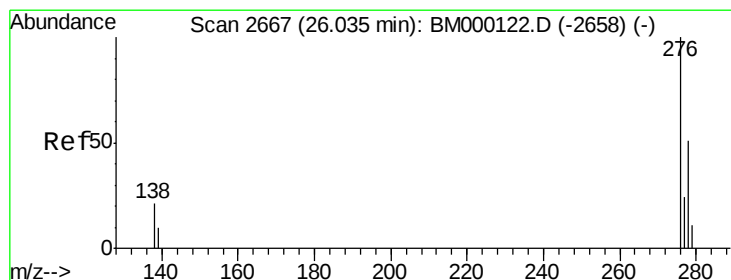
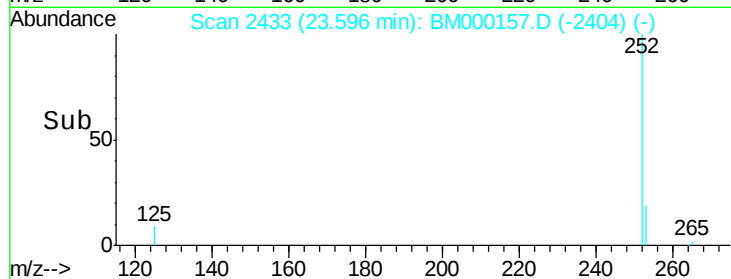
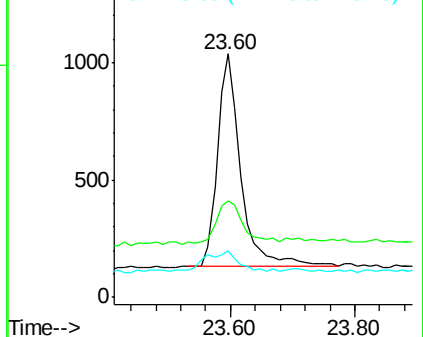
252 100

253 39.6 19.8 29.6#

125 19.1 9.2 13.8#



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

Indeno(1,2,3-cd)pyrene

Concen: 0.08 ng/ul

RT: 26.03 min Scan# 2667

Delta R.T. 0.00 min

Lab File: BM000157.D

Acq: 09 Jan 2015 00:25

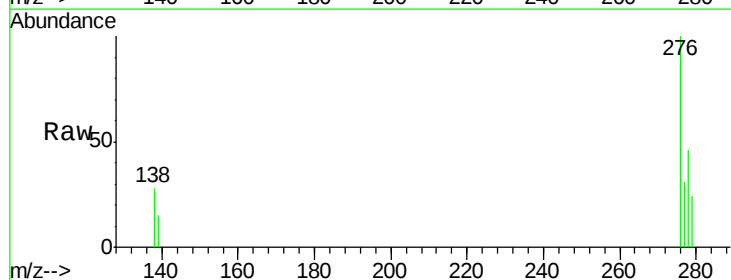
Tgt Ion: 276 Resp: 2731

Ion Ratio Lower Upper

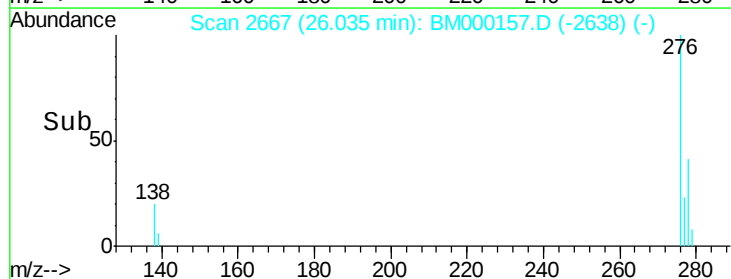
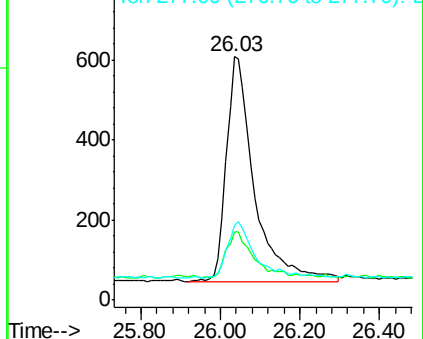
276 100

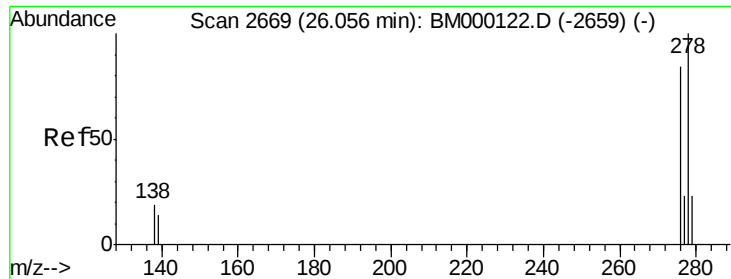
138 20.2 17.6 26.4

277 23.5 19.9 29.9



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





#25

Dibenzo(a,h)anthracene

Concen: 0.08 ng/ul

RT: 26.07 min Scan# 2670

Delta R.T. 0.01 min

Lab File: BM000157.D

Acq: 09 Jan 2015 00:25

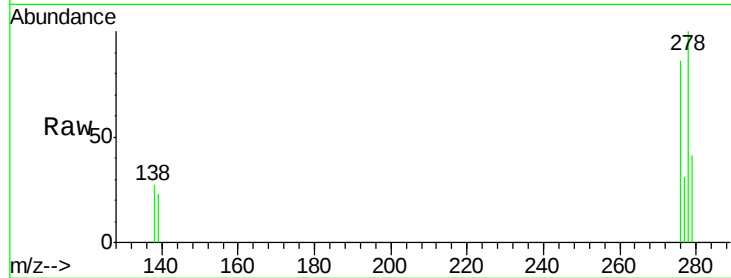
Tgt Ion: 278 Resp: 2099

Ion Ratio Lower Upper

278 100

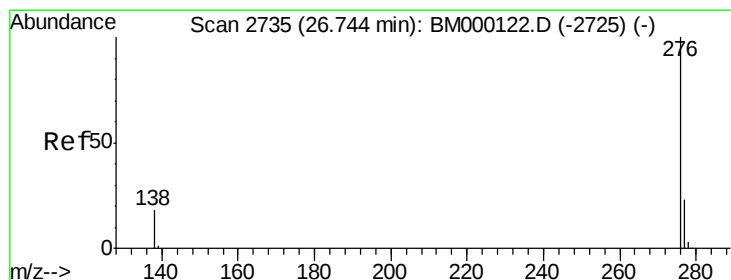
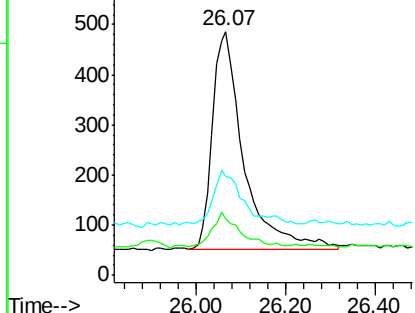
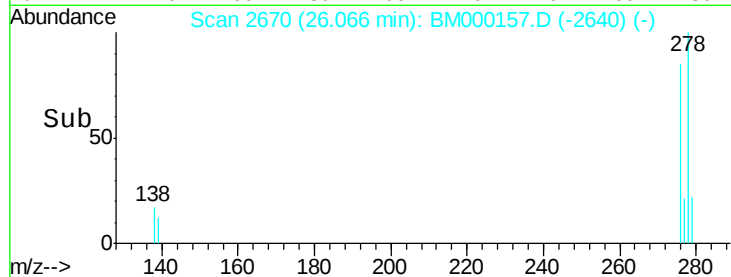
139 23.0 12.6 18.8#

279 40.5 20.6 30.8#



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

26.07



#26

Benzo(g,h,i)perylene

Concen: 0.08 ng/ul

RT: 26.74 min Scan# 2735

Delta R.T. 0.00 min

Lab File: BM000157.D

Acq: 09 Jan 2015 00:25

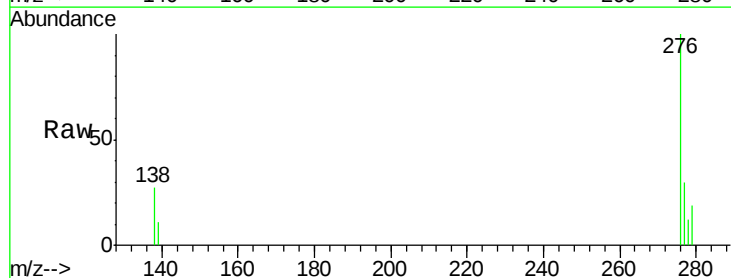
Tgt Ion: 276 Resp: 2381

Ion Ratio Lower Upper

276 100

277 30.4 20.0 30.0#

138 26.9 15.7 23.5#



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

26.74

