

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM010815\
 Data File : BM000146.D
 Acq On : 08 Jan 2015 17:11
 Operator : TP/IZ
 Sample : MDL-01-W
 Misc : MDL-WATER-0.15PPM-SIM
 ALS Vial : 26 Sample Multiplier: 1

Quant Time: Jan 08 17:48:25 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	3247	0.40	ng/ul	0.00
2) Naphthalene-d8	10.62	136	10757	0.40	ng/ul	-0.01
6) Acenaphthene-d10	14.47	164	6941	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.21	188	13307	0.40	ng/ul	0.00
16) Chrysene-d12	21.41	240	11481	0.40	ng/ul	0.00
20) Perylene-d12	23.70	264	13093	0.40	ng/ul	0.00

System Monitoring Compounds

4) 2-Methylnaphthalene-d10	12.21	152	4554	0.32	ng/ul	-0.01
14) Fluoranthene-d10	19.25	212	7359	0.26	ng/ul	0.00

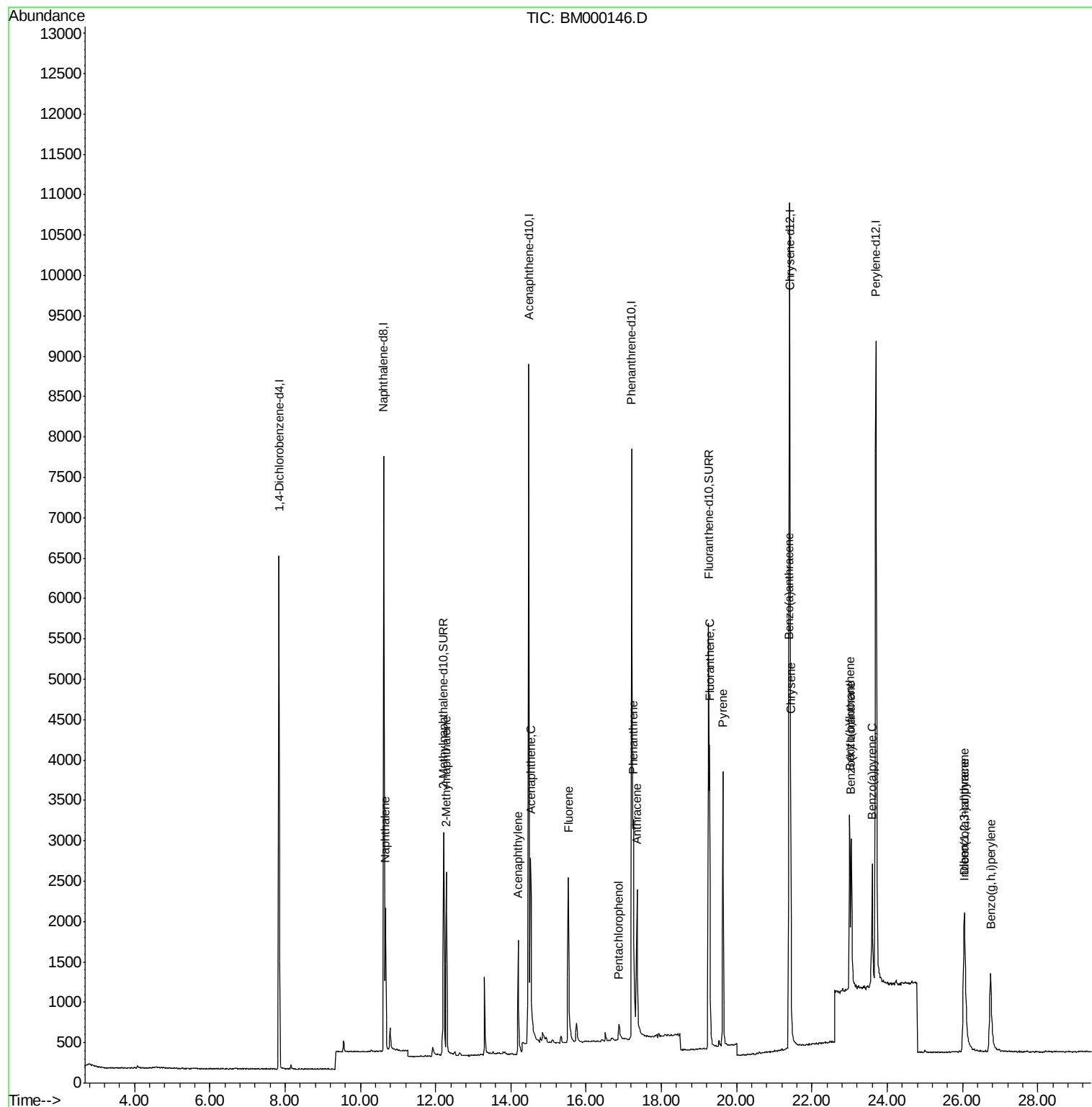
Target Compounds

						Qvalue
3) Naphthalene	10.67	128	2481	0.09	ng/ul#	94
5) 2-Methylnaphthalene	12.28	142	1611	0.08	ng/ul	100
7) Acenaphthylene	14.20	152	2532	0.07	ng/ul#	96
8) Acenaphthene	14.52	153	1771	0.08	ng/ul#	82
9) Fluorene	15.52	166	1959	0.08	ng/ul#	96
11) Pentachlorophenol	16.87	266	251	0.12	ng/ul	89
12) Phenanthrene	17.26	178	3077	0.07	ng/ul	93
13) Anthracene	17.35	178	3030	0.08	ng/ul#	92
15) Fluoranthene	19.27	202	3705	0.08	ng/ul	96
17) Pyrene	19.64	202	3706	0.08	ng/ul	96
18) Benzo(a)anthracene	21.39	228	3036	0.08	ng/ul	96
19) Chrysene	21.44	228	3190	0.08	ng/ul	98
21) Benzo(b)fluoranthene	23.00	252	3055	0.06	ng/ul	86
22) Benzo(k)fluoranthene	23.04	252	3185	0.06	ng/ul#	84
23) Benzo(a)pyrene	23.60	252	2776	0.06	ng/ul#	75
24) Indeno(1,2,3-cd)pyrene	26.03	276	3286	0.06	ng/ul	98
25) Dibenzo(a,h)anthracene	26.06	278	2674	0.06	ng/ul#	84
26) Benzo(g,h,i)perylene	26.74	276	2890	0.06	ng/ul#	91

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

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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: BM000146.D

Acq: 08 Jan 2015 17:11

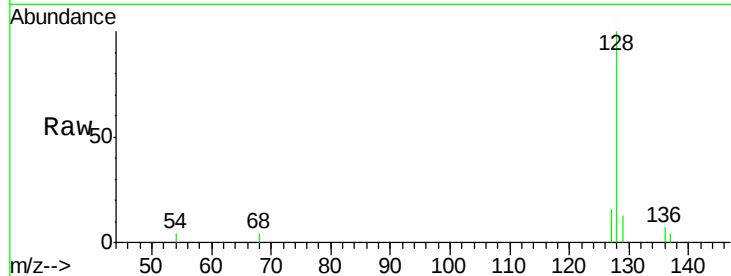
Tgt Ion:128 Resp: 2481

Ion Ratio Lower Upper

128 100

129 13.3 9.5 14.3

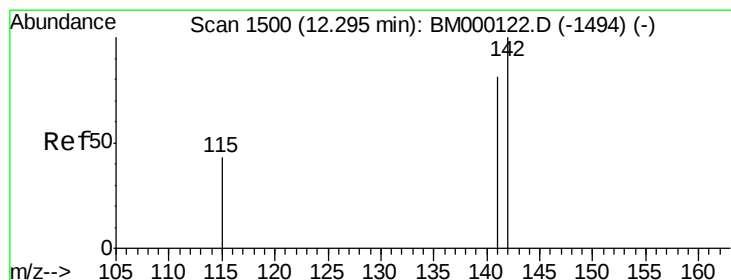
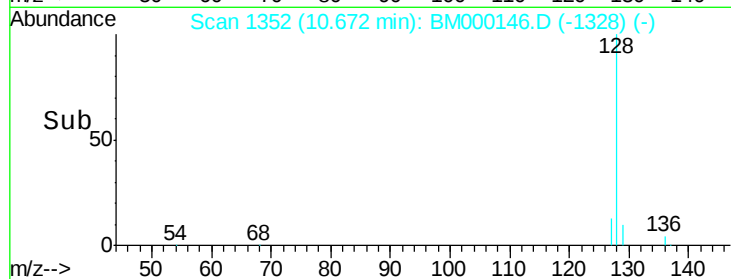
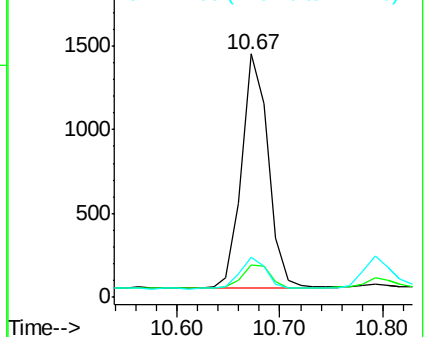
127 16.2 10.4 15.6#



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: 0.08 ng/ul

RT: 12.28 min Scan# 1499

Delta R.T. -0.01 min

Lab File: BM000146.D

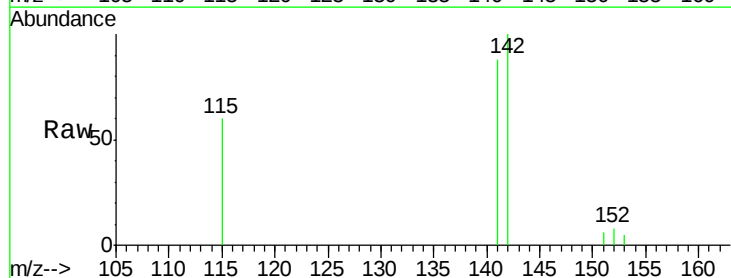
Acq: 08 Jan 2015 17:11

Tgt Ion:142 Resp: 1611

Ion Ratio Lower Upper

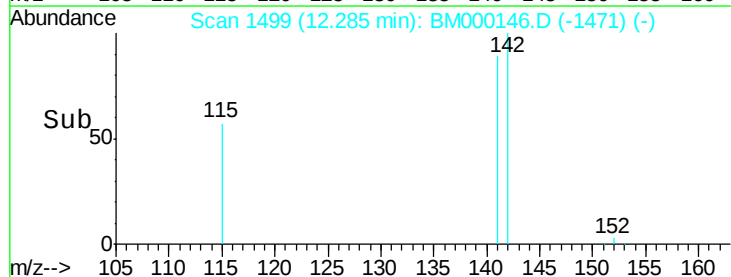
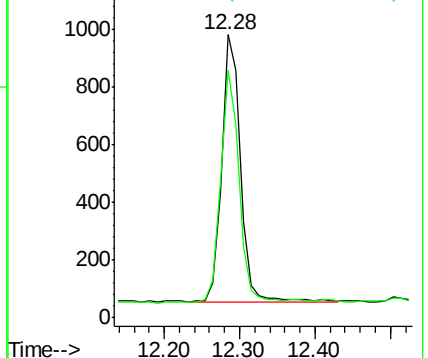
142 100

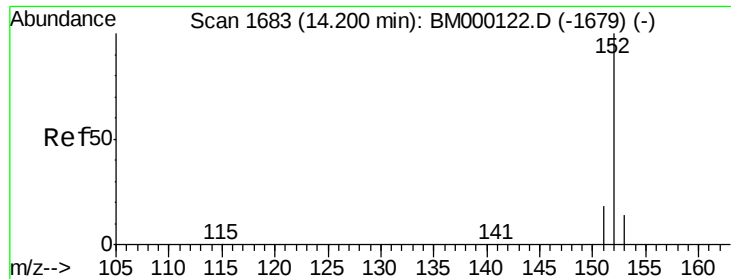
141 85.7 68.9 103.3



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.07 ng/ul

RT: 14.20 min Scan# 1683

Delta R.T. 0.00 min

Lab File: BM000146.D

Acq: 08 Jan 2015 17:11

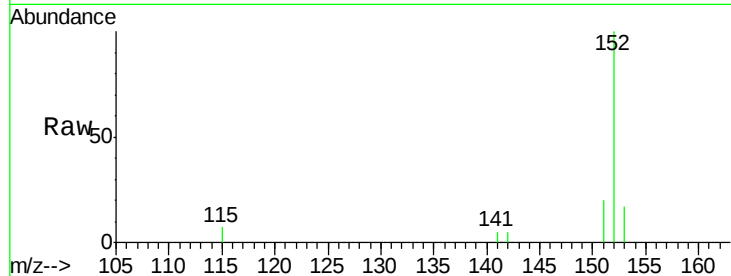
Tgt Ion:152 Resp: 2532

Ion Ratio Lower Upper

152 100

151 20.2 15.4 23.2

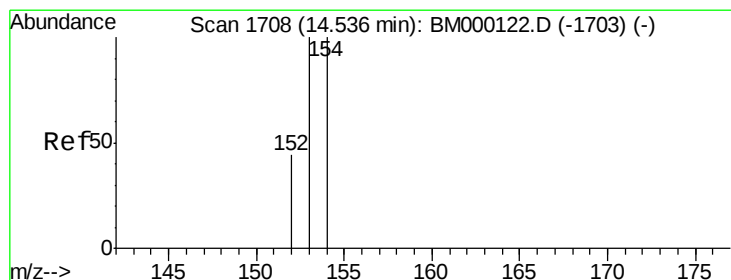
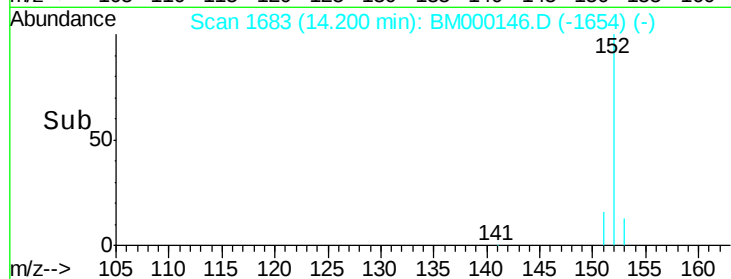
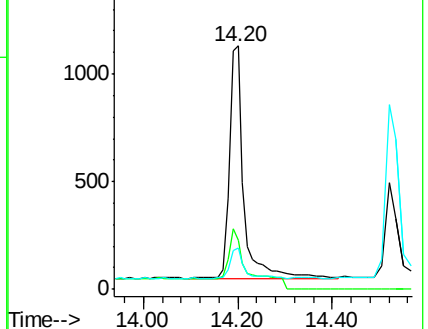
153 16.9 11.0 16.4#



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: BM000146.D

Acq: 08 Jan 2015 17:11

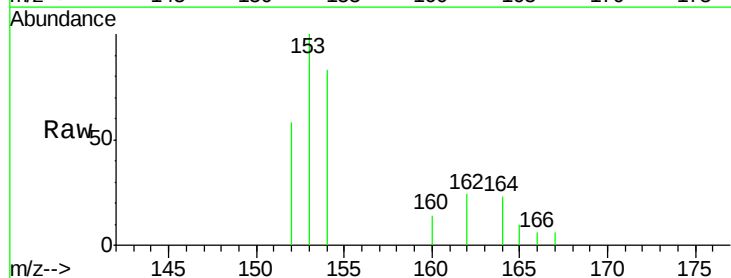
Tgt Ion:153 Resp: 1771

Ion Ratio Lower Upper

153 100

152 57.6 35.8 53.6#

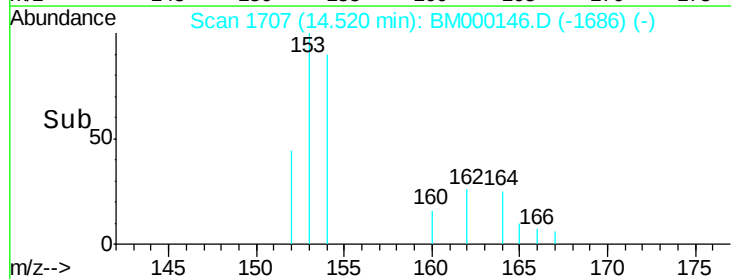
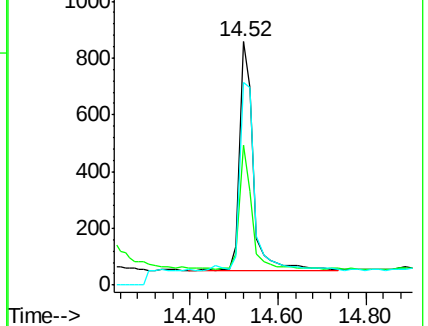
154 83.0 79.9 119.9



Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

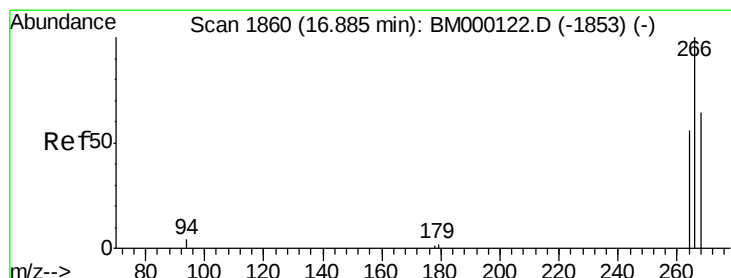
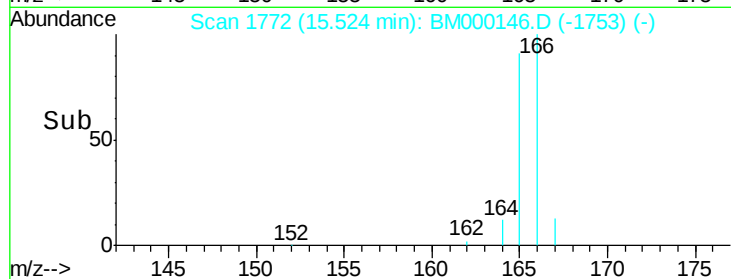
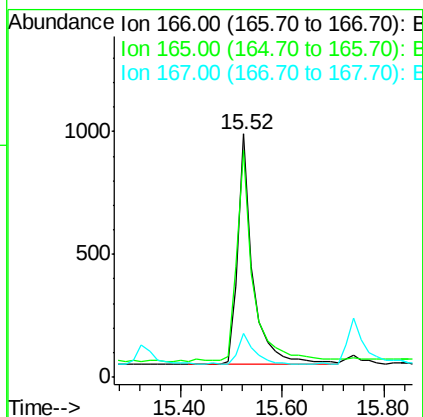
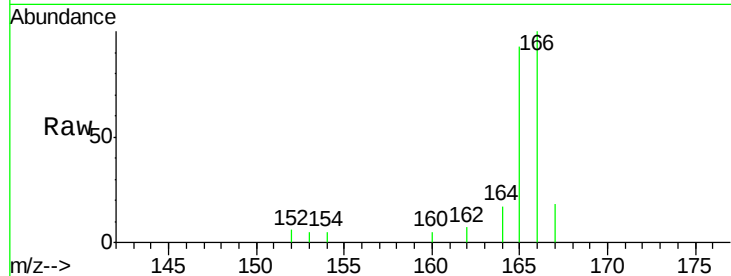
Ion 154.00 (153.70 to 154.70): E





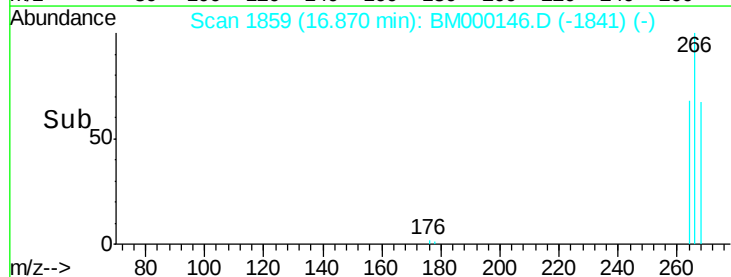
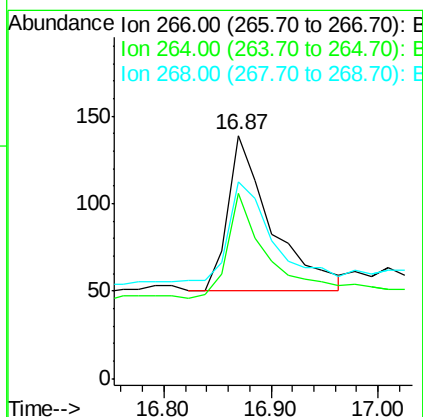
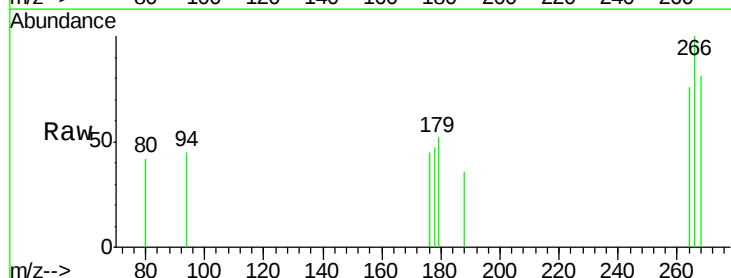
#9
 Fluorene
 Concen: 0.08 ng/ul
 RT: 15.52 min Scan# 1772
 Delta R.T. 0.00 min
 Lab File: BM000146.D
 Acq: 08 Jan 2015 17:11

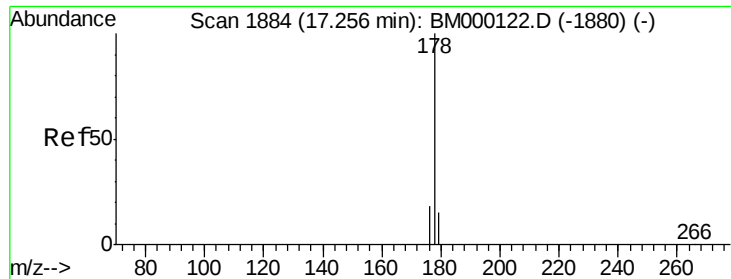
Tgt Ion:166 Resp: 1959
 Ion Ratio Lower Upper
 166 100
 165 93.3 77.0 115.4
 167 17.8 11.0 16.6#



#11
 Pentachlorophenol
 Concen: 0.12 ng/ul
 RT: 16.87 min Scan# 1859
 Delta R.T. -0.02 min
 Lab File: BM000146.D
 Acq: 08 Jan 2015 17:11

Tgt Ion:266 Resp: 251
 Ion Ratio Lower Upper
 266 100
 264 77.3 53.9 80.9
 268 68.9 49.2 73.8





#12

Phenanthrene

Concen: 0.07 ng/ul

RT: 17.26 min Scan# 1884

Delta R.T. 0.00 min

Lab File: BM000146.D

Acq: 08 Jan 2015 17:11

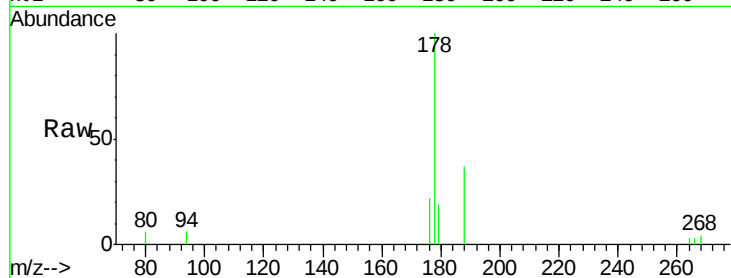
Tgt Ion:178 Resp: 3077

Ion Ratio Lower Upper

178 100

176 22.3 15.1 22.7

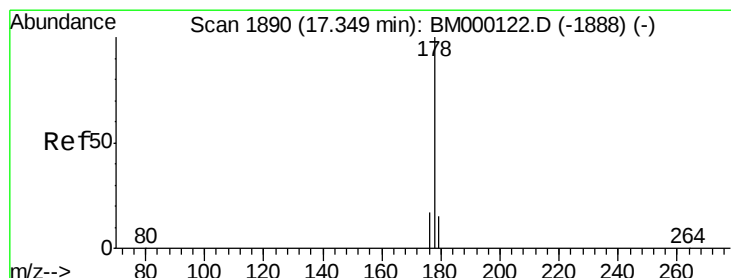
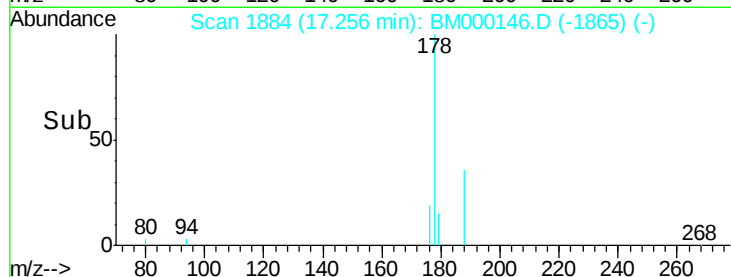
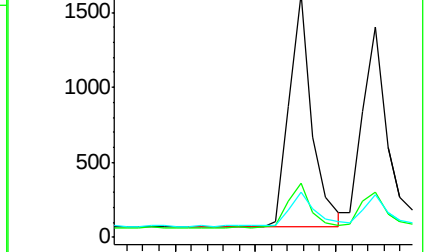
179 18.7 13.0 19.4



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: BM000146.D

Acq: 08 Jan 2015 17:11

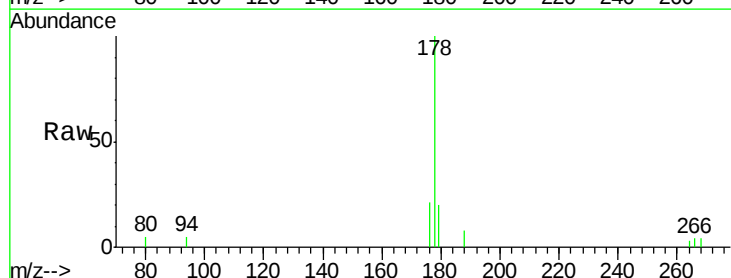
Tgt Ion:178 Resp: 3030

Ion Ratio Lower Upper

178 100

176 21.2 14.6 21.8

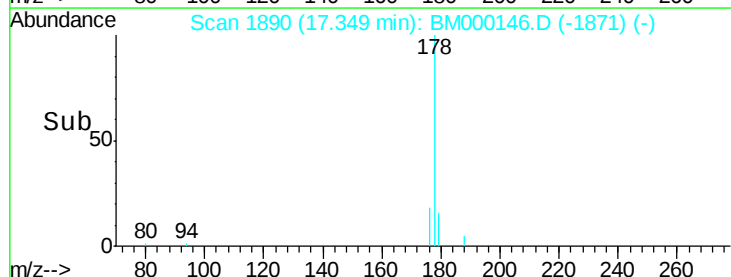
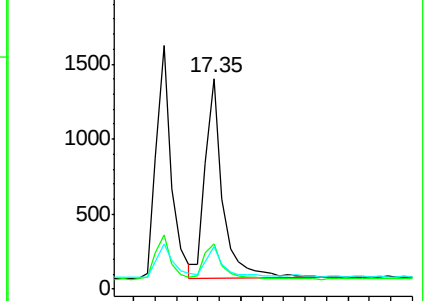
179 20.2 13.1 19.7#

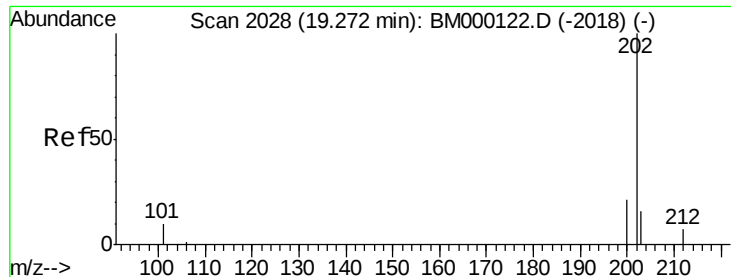


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

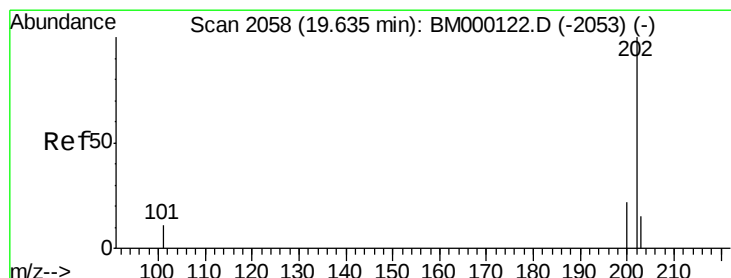
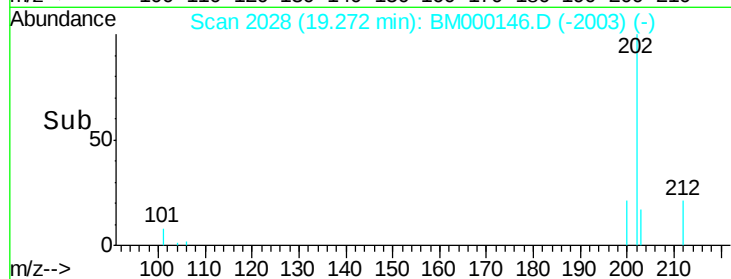
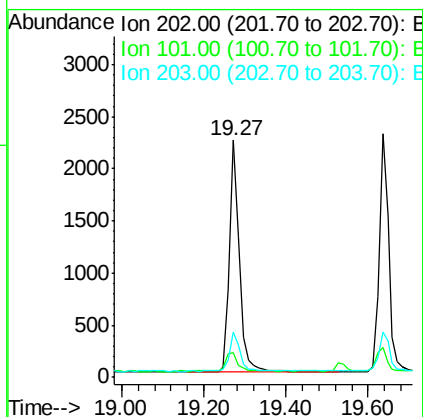
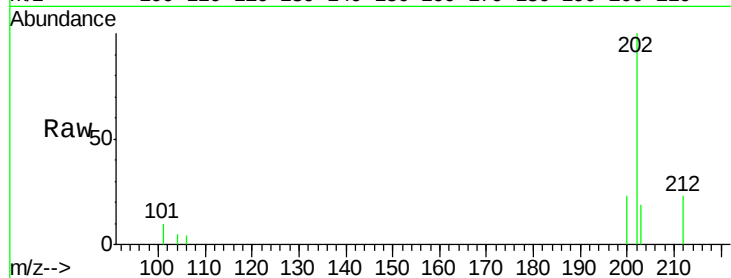
Ion 179.00 (178.70 to 179.70): E





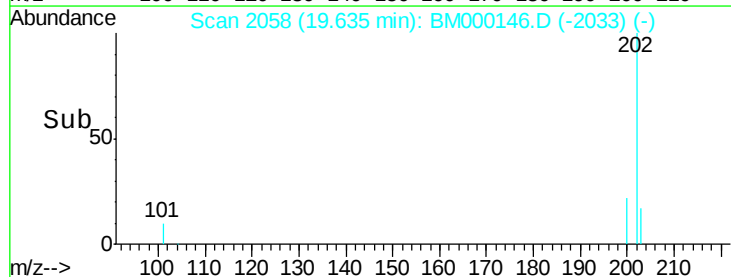
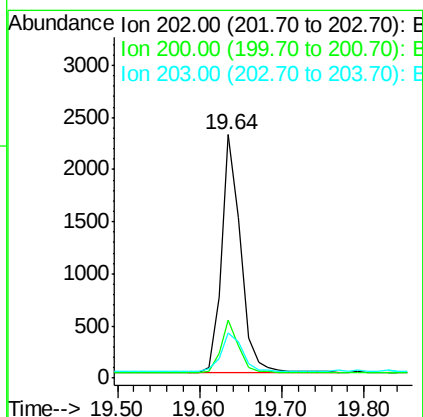
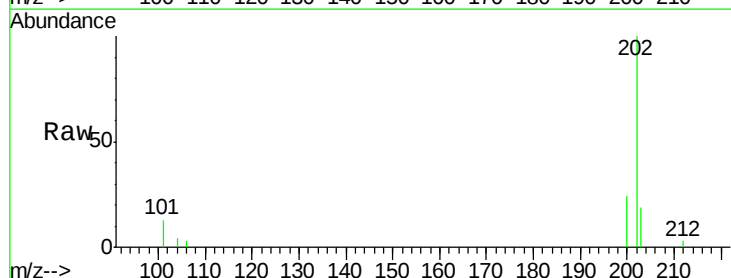
#15
Fluoranthene
 Concen: 0.08 ng/ul
 RT: 19.27 min Scan# 2028
 Delta R.T. 0.00 min
 Lab File: BM000146.D
 Acq: 08 Jan 2015 17:11

Tgt Ion:202 Resp: 3705
 Ion Ratio Lower Upper
 202 100
 101 10.5 0.0 30.5
 203 19.3 0.0 36.6



#17
Pyrene
 Concen: 0.08 ng/ul
 RT: 19.64 min Scan# 2058
 Delta R.T. 0.00 min
 Lab File: BM000146.D
 Acq: 08 Jan 2015 17:11

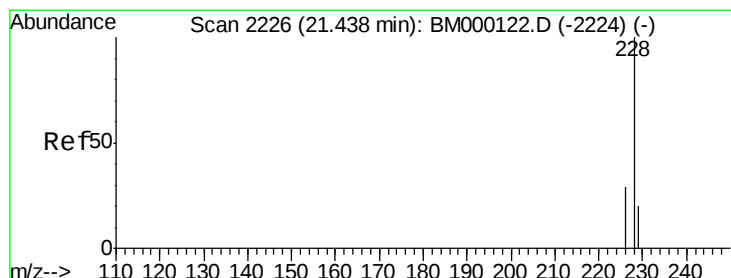
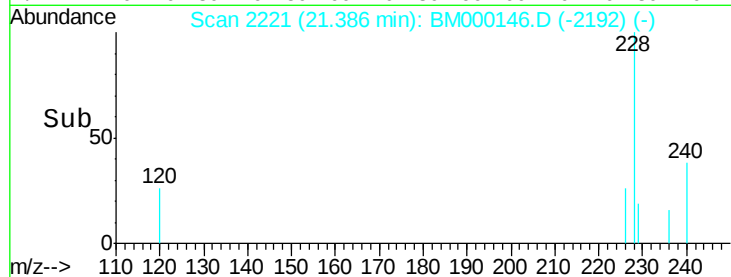
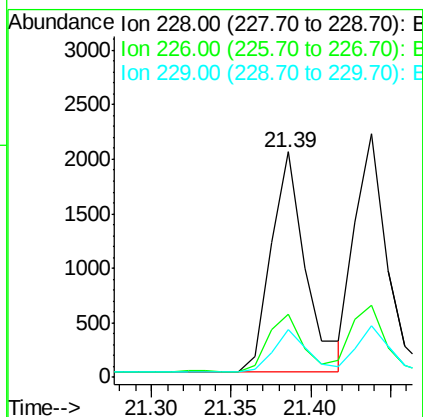
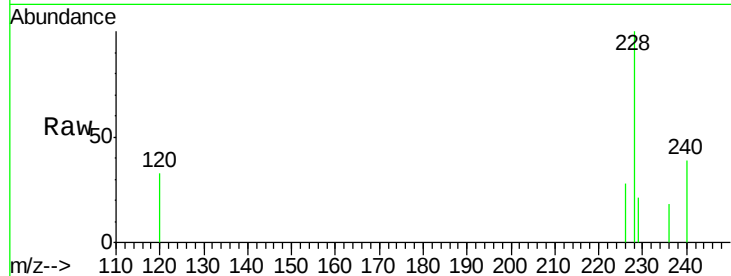
Tgt Ion:202 Resp: 3706
 Ion Ratio Lower Upper
 202 100
 200 23.6 17.9 26.9
 203 18.8 12.8 19.2





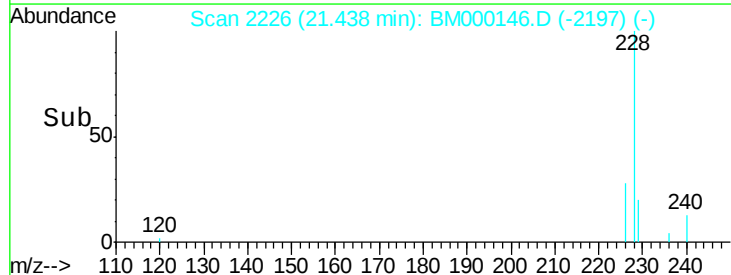
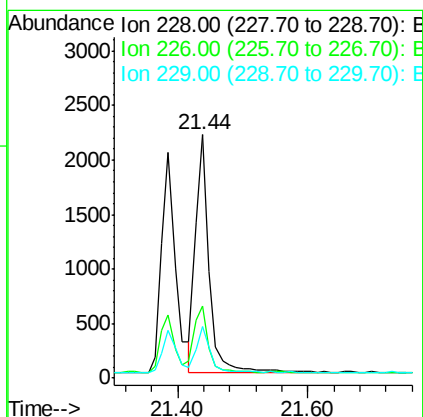
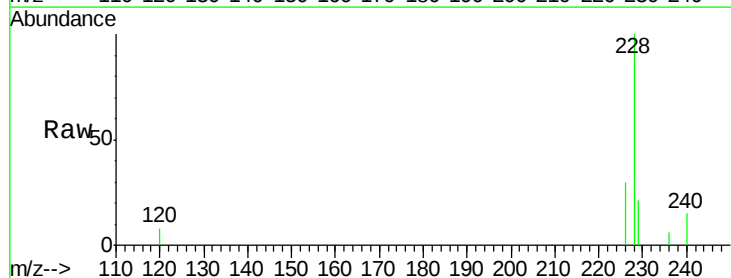
#18
Benzo(a)anthracene
Concen: 0.08 ng/ul
RT: 21.39 min Scan# 2221
Delta R.T. 0.00 min
Lab File: BM000146.D
Acq: 08 Jan 2015 17:11

Tgt Ion:228 Resp: 3036
Ion Ratio Lower Upper
228 100
226 27.9 20.8 31.2
229 21.2 15.5 23.3



#19
Chrysene
Concen: 0.08 ng/ul
RT: 21.44 min Scan# 2226
Delta R.T. 0.00 min
Lab File: BM000146.D
Acq: 08 Jan 2015 17:11

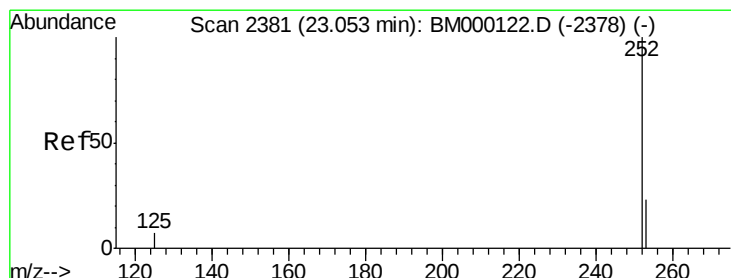
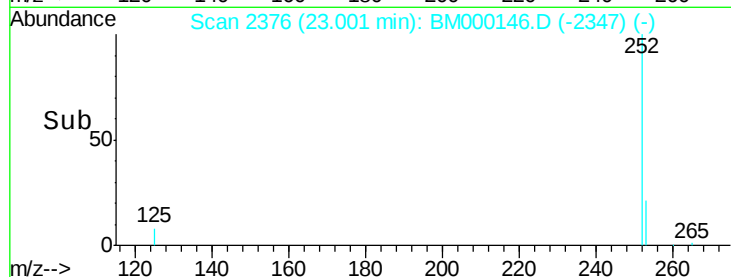
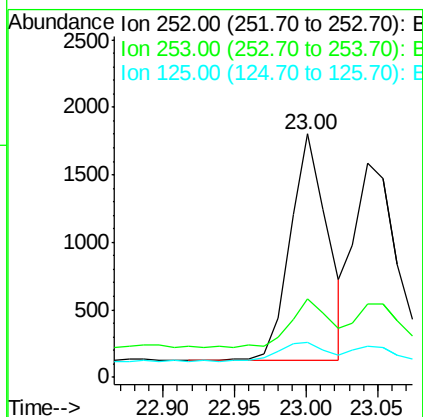
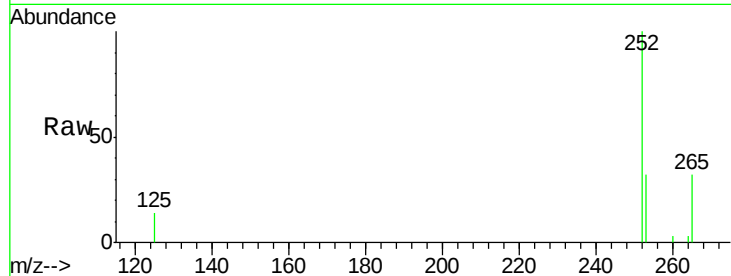
Tgt Ion:228 Resp: 3190
Ion Ratio Lower Upper
228 100
226 29.8 23.8 35.6
229 21.5 15.8 23.8





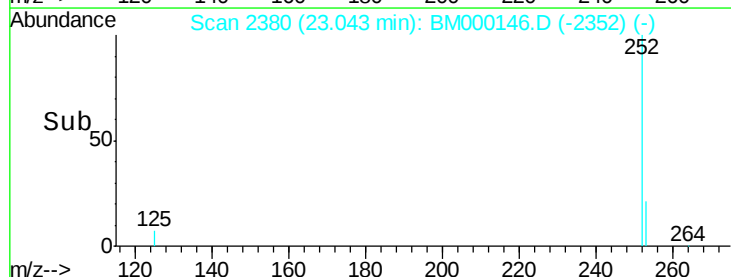
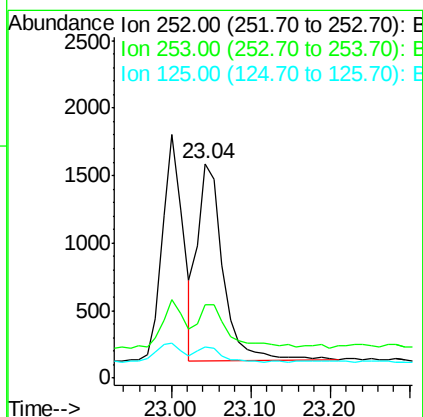
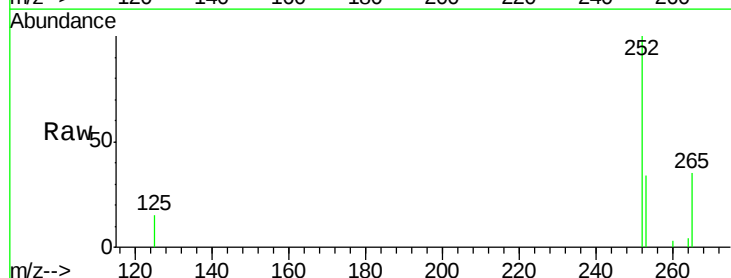
#21
Benzo(b)fluoranthene
Concen: 0.06 ng/u1
RT: 23.00 min Scan# 2376
Delta R.T. 0.00 min
Lab File: BM000146.D
Acq: 08 Jan 2015 17:11

Tgt Ion:252 Resp: 3055
Ion Ratio Lower Upper
252 100
253 32.0 0.0 48.2
125 14.3 0.0 21.6



#22
Benzo(k)fluoranthene
Concen: 0.06 ng/u1
RT: 23.04 min Scan# 2380
Delta R.T. -0.01 min
Lab File: BM000146.D
Acq: 08 Jan 2015 17:11

Tgt Ion:252 Resp: 3185
Ion Ratio Lower Upper
252 100
253 34.2 20.5 30.7#
125 14.8 7.8 11.8#





#23

Benzo(a)pyrene

Concen: 0.06 ng/ul

RT: 23.60 min Scan# 2433

Delta R.T. 0.00 min

Lab File: BM000146.D

Acq: 08 Jan 2015 17:11

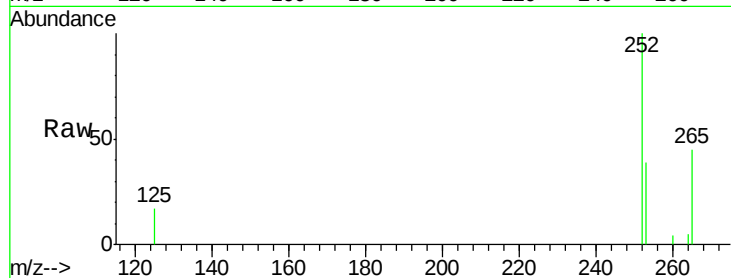
Tgt Ion: 252 Resp: 2776

Ion Ratio Lower Upper

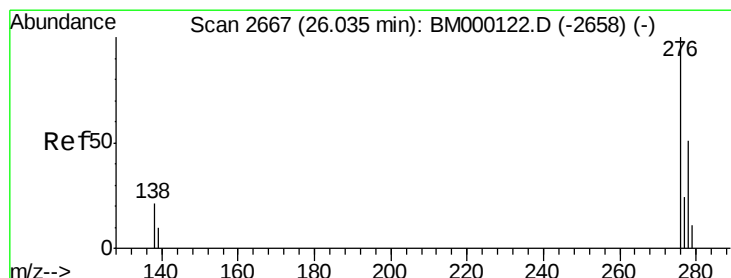
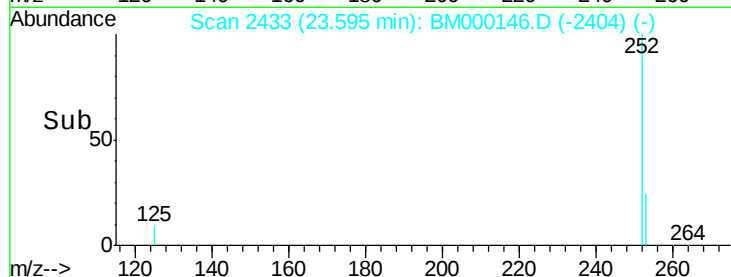
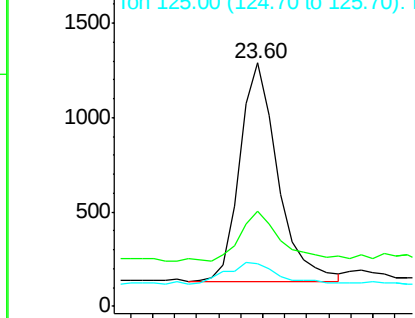
252 100

253 39.3 19.8 29.6#

125 17.4 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: 0.06 ng/ul

RT: 26.03 min Scan# 2667

Delta R.T. 0.00 min

Lab File: BM000146.D

Acq: 08 Jan 2015 17:11

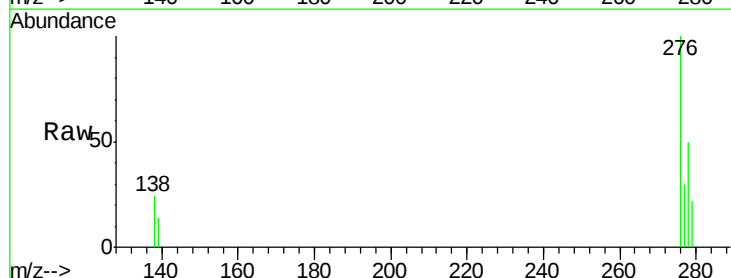
Tgt Ion: 276 Resp: 3286

Ion Ratio Lower Upper

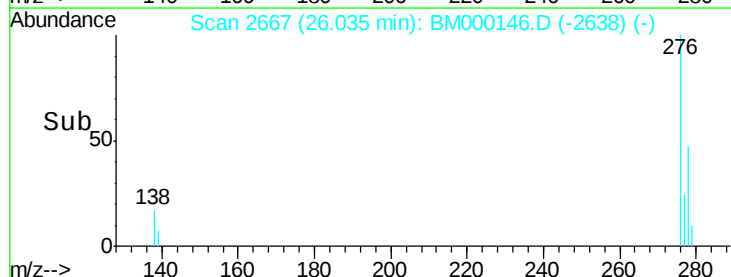
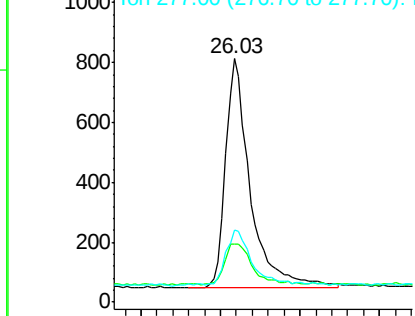
276 100

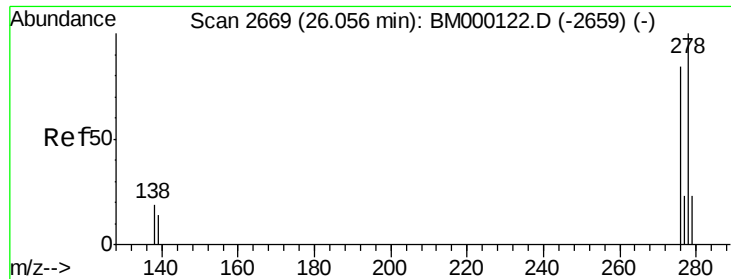
138 20.1 17.6 26.4

277 25.5 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: 0.06 ng/ul

RT: 26.06 min Scan# 2669

Delta R.T. 0.00 min

Lab File: BM000146.D

Acq: 08 Jan 2015 17:11

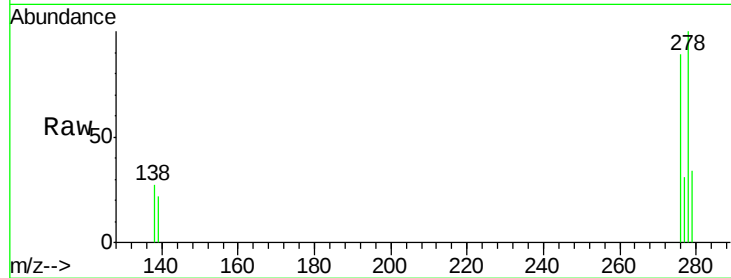
Tgt Ion: 278 Resp: 2674

Ion Ratio Lower Upper

278 100

139 21.9 12.6 18.8#

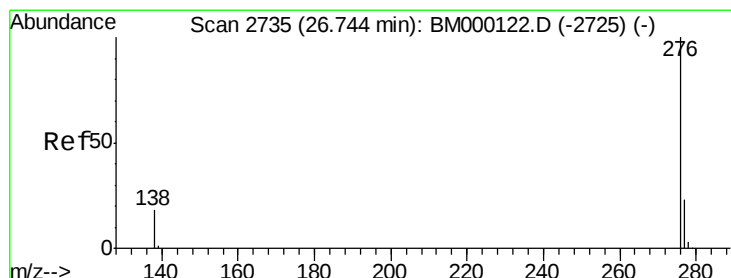
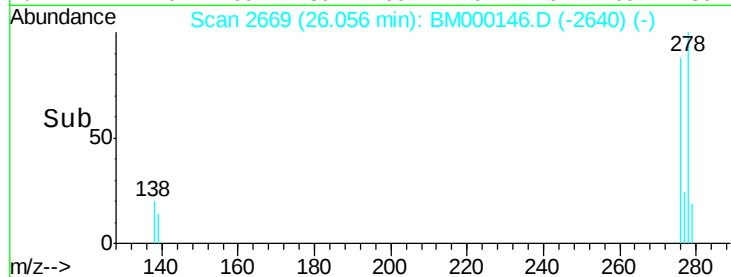
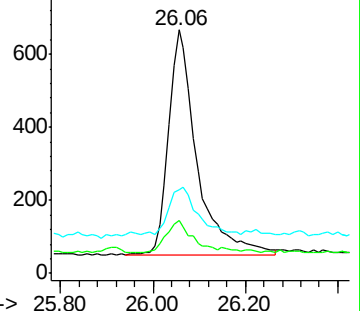
279 34.2 20.6 30.8#



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

Benzo(g,h,i)perylene

Concen: 0.06 ng/ul

RT: 26.74 min Scan# 2735

Delta R.T. 0.00 min

Lab File: BM000146.D

Acq: 08 Jan 2015 17:11

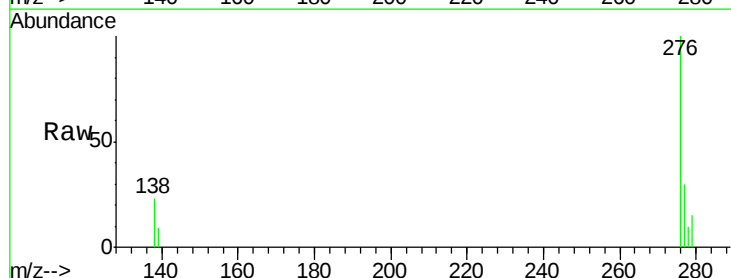
Tgt Ion: 276 Resp: 2890

Ion Ratio Lower Upper

276 100

277 30.2 20.0 30.0#

138 22.6 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

