

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM010915\
 Data File : BM000162.D
 Acq On : 09 Jan 2015 17:15
 Operator : TP/IZ
 Sample : MDL-07-S
 Misc : MDL-SOIL-0.15PPM-SIM
 ALS Vial : 40 Sample Multiplier: 1

Quant Time: Jan 09 22:11:48 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	2743	0.40	ng/ul	0.00
2) Naphthalene-d8	10.62	136	8866	0.40	ng/ul	-0.01
6) Acenaphthene-d10	14.47	164	5528	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.21	188	10582	0.40	ng/ul	0.00
16) Chrysene-d12	21.41	240	8964	0.40	ng/ul	0.00
20) Perylene-d12	23.70	264	8342	0.40	ng/ul	0.00

System Monitoring Compounds

4) 2-Methylnaphthalene-d10	12.21	152	4794	0.41	ng/ul	-0.01
14) Fluoranthene-d10	19.25	212	7589	0.33	ng/ul	0.00

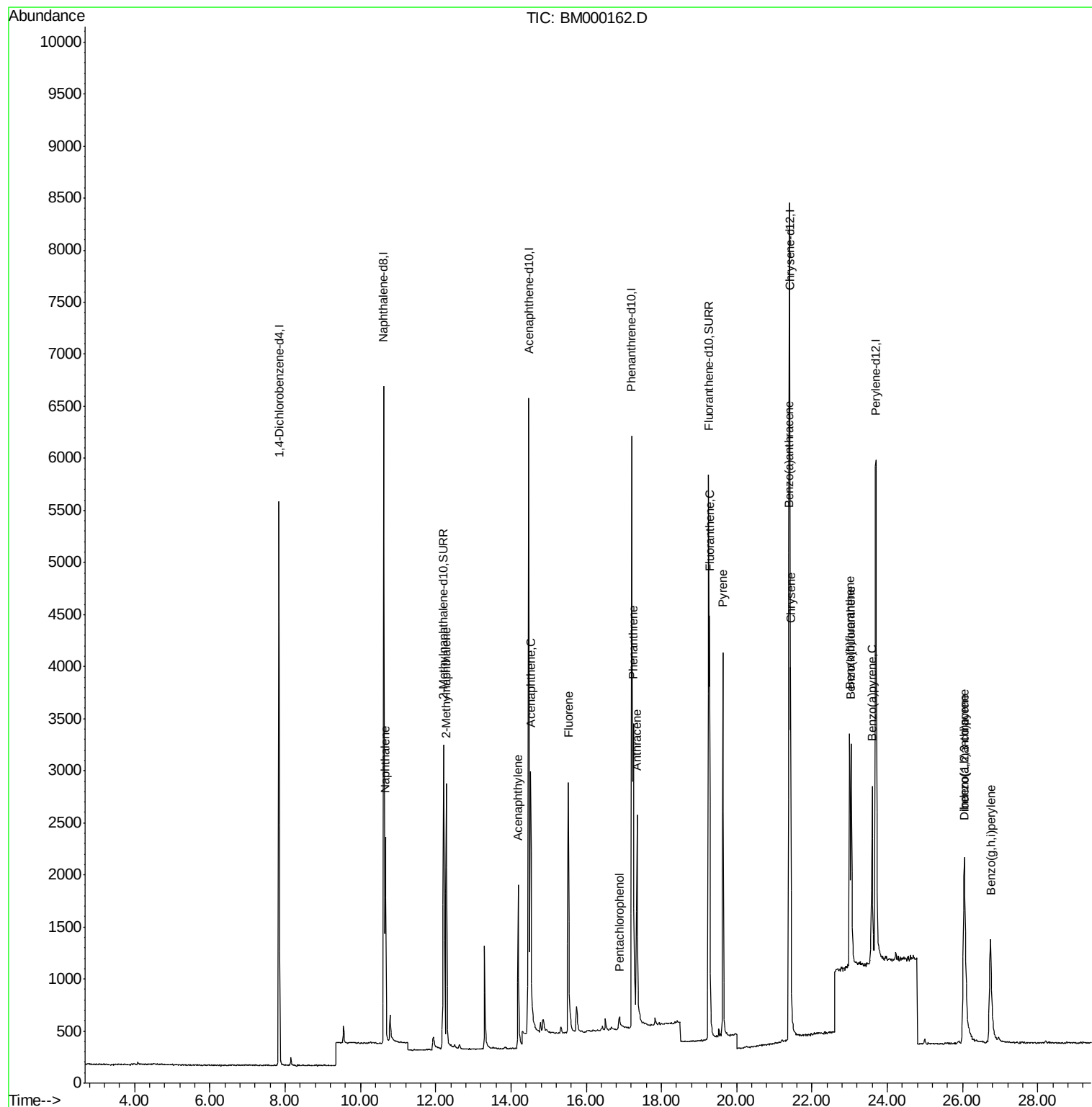
Target Compounds

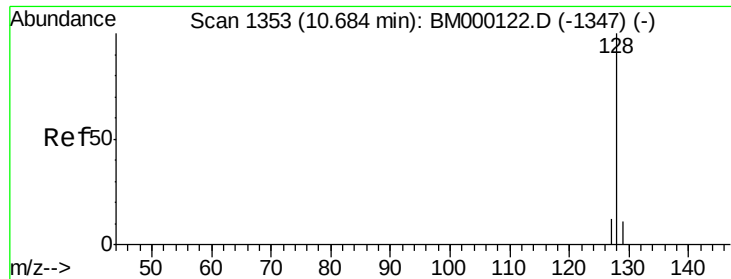
						Qvalue
3) Naphthalene	10.67	128	2746	0.12	ng/ul#	92
5) 2-Methylnaphthalene	12.28	142	1814	0.12	ng/ul	100
7) Acenaphthylene	14.19	152	3021	0.11	ng/ul	94
8) Acenaphthene	14.52	153	1914	0.11	ng/ul#	83
9) Fluorene	15.52	166	2174	0.11	ng/ul#	97
11) Pentachlorophenol	16.89	266	244	0.15	ng/ul#	84
12) Phenanthrene	17.26	178	3519	0.11	ng/ul	95
13) Anthracene	17.35	178	3233	0.11	ng/ul	94
15) Fluoranthene	19.27	202	3991	0.11	ng/ul	97
17) Pyrene	19.64	202	4030	0.11	ng/ul	97
18) Benzo(a)anthracene	21.39	228	3123	0.11	ng/ul	96
19) Chrysene	21.44	228	3571	0.11	ng/ul	98
21) Benzo(b)fluoranthene	23.00	252	3413	0.10	ng/ul	86
22) Benzo(k)fluoranthene	23.04	252	3307	0.11	ng/ul#	86
23) Benzo(a)pyrene	23.60	252	3202	0.11	ng/ul#	79
24) Indeno(1,2,3-cd)pyrene	26.05	276	3584	0.11	ng/ul	96
25) Dibenzo(a,h)anthracene	26.06	278	2782	0.10	ng/ul#	83
26) Benzo(g,h,i)perylene	26.74	276	3211	0.11	ng/ul#	91

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

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#3

Naphthalene

Concen: 0.12 ng/ul

RT: 10.67 min Scan# 1352

Delta R.T. -0.01 min

Lab File: BM000162.D

Acq: 09 Jan 2015 17:15

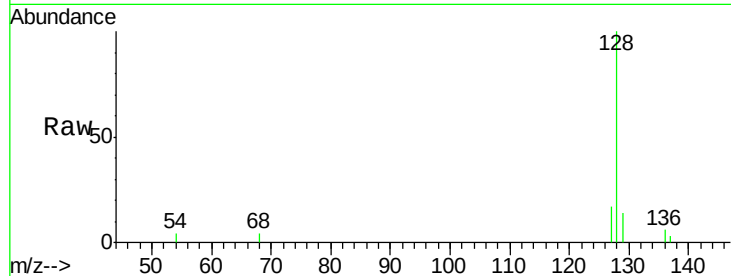
Tgt Ion:128 Resp: 2746

Ion Ratio Lower Upper

128 100

129 14.4 9.5 14.3#

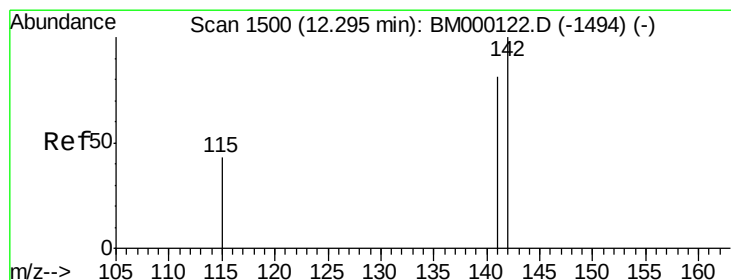
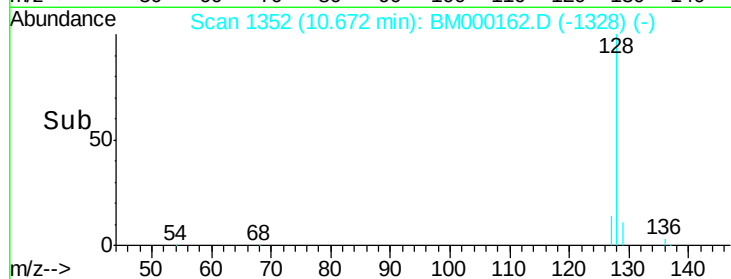
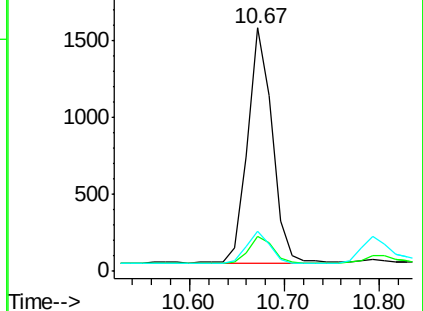
127 16.5 10.4 15.6#



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: 0.12 ng/ul

RT: 12.28 min Scan# 1499

Delta R.T. -0.01 min

Lab File: BM000162.D

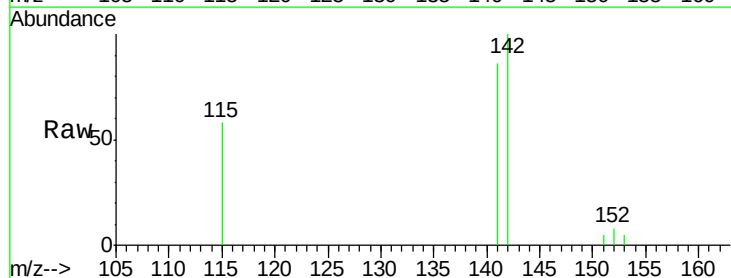
Acq: 09 Jan 2015 17:15

Tgt Ion:142 Resp: 1814

Ion Ratio Lower Upper

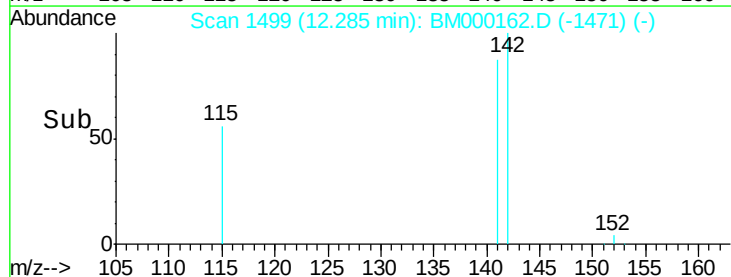
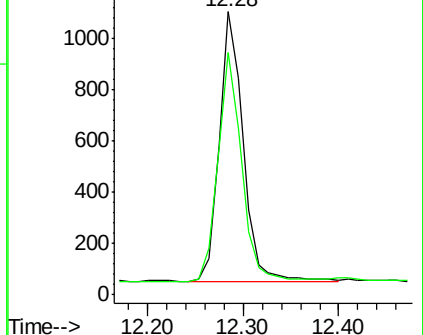
142 100

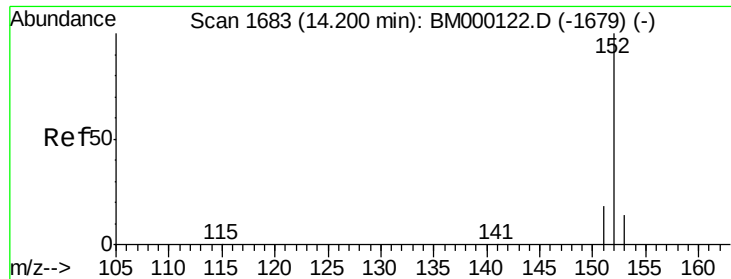
141 86.0 68.9 103.3



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.11 ng/ul

RT: 14.19 min Scan# 1682

Delta R.T. -0.01 min

Lab File: BM000162.D

Acq: 09 Jan 2015 17:15

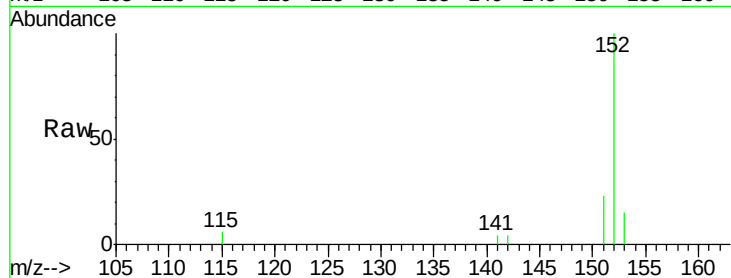
Tgt Ion:152 Resp: 3021

Ion Ratio Lower Upper

152 100

151 22.6 15.4 23.2

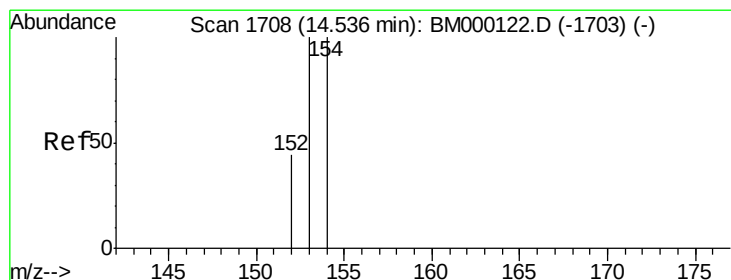
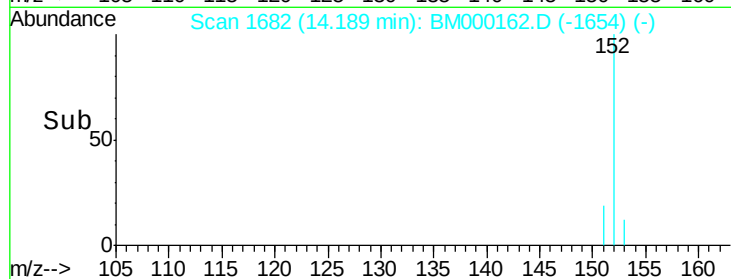
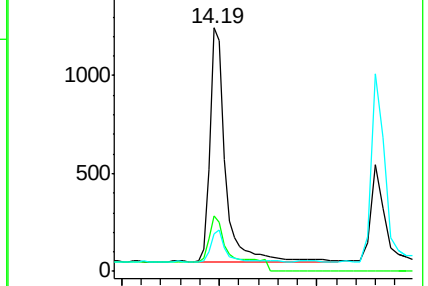
153 15.4 11.0 16.4



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: 0.11 ng/ul

RT: 14.52 min Scan# 1707

Delta R.T. -0.02 min

Lab File: BM000162.D

Acq: 09 Jan 2015 17:15

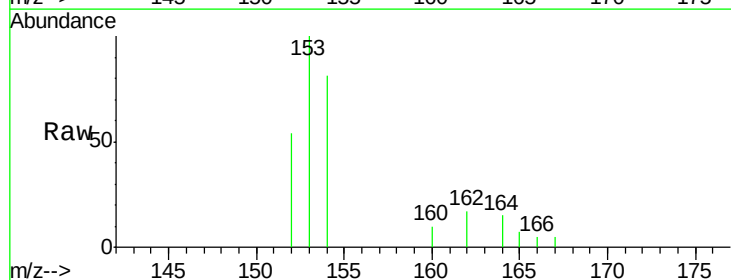
Tgt Ion:153 Resp: 1914

Ion Ratio Lower Upper

153 100

152 54.2 35.8 53.6#

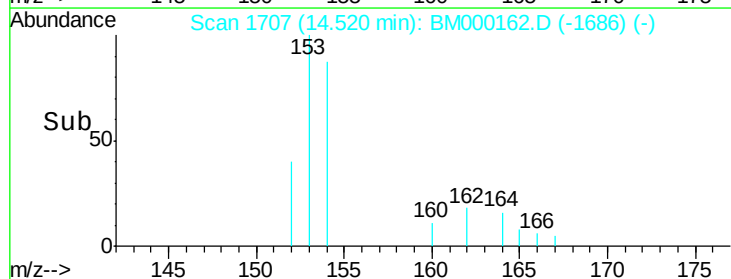
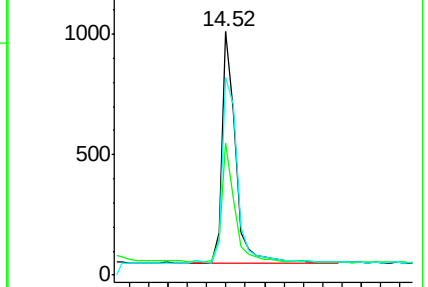
154 81.3 79.9 119.9

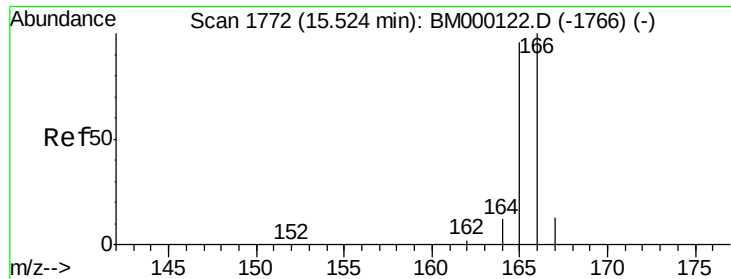


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

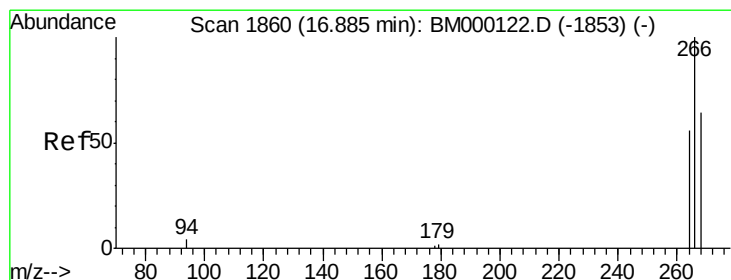
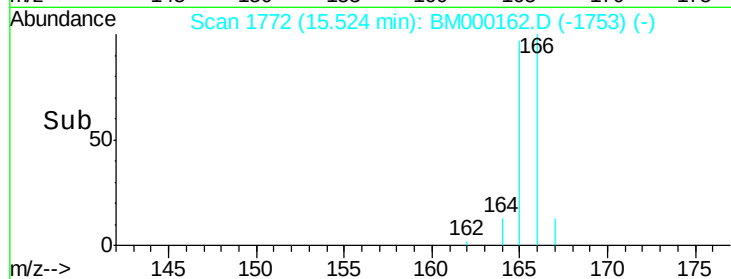
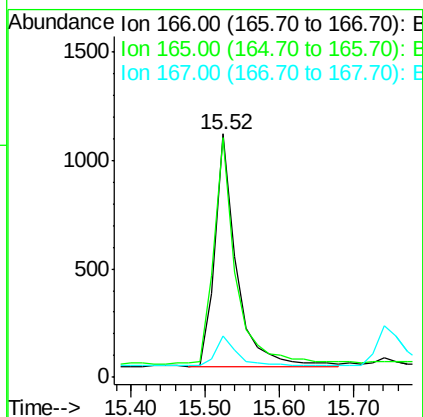
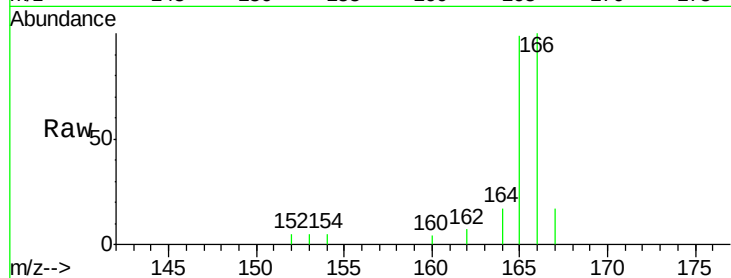
Ion 154.00 (153.70 to 154.70): E





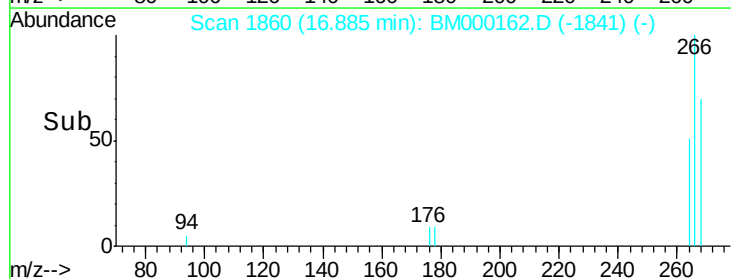
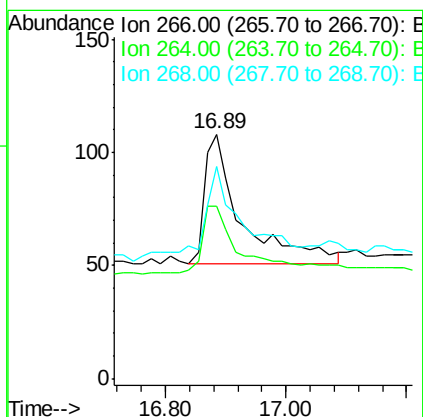
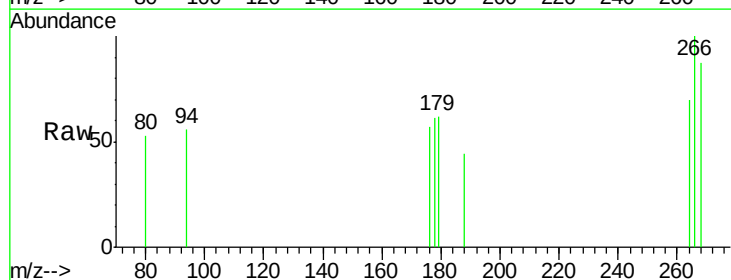
#9
Fluorene
 Concen: 0.11 ng/ul
 RT: 15.52 min Scan# 1772
 Delta R.T. 0.00 min
 Lab File: BM000162.D
 Acq: 09 Jan 2015 17:15

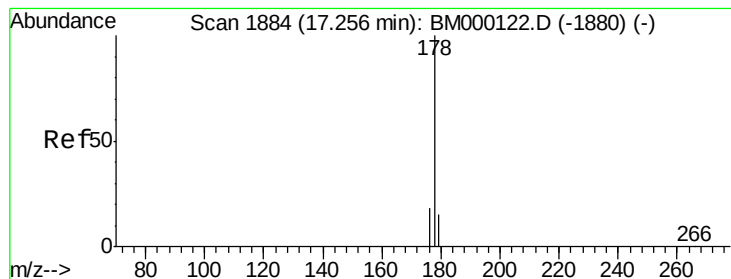
Tgt Ion:166 Resp: 2174
 Ion Ratio Lower Upper
 166 100
 165 98.6 77.0 115.4
 167 16.7 11.0 16.6#



#11
Pentachlorophenol
 Concen: 0.15 ng/ul
 RT: 16.89 min Scan# 1860
 Delta R.T. 0.00 min
 Lab File: BM000162.D
 Acq: 09 Jan 2015 17:15

Tgt Ion:266 Resp: 244
 Ion Ratio Lower Upper
 266 100
 264 63.1 53.9 80.9
 268 82.4 49.2 73.8#





#12

Phenanthrene

Concen: 0.11 ng/ul

RT: 17.26 min Scan# 1884

Delta R.T. 0.00 min

Lab File: BM000162.D

Acq: 09 Jan 2015 17:15

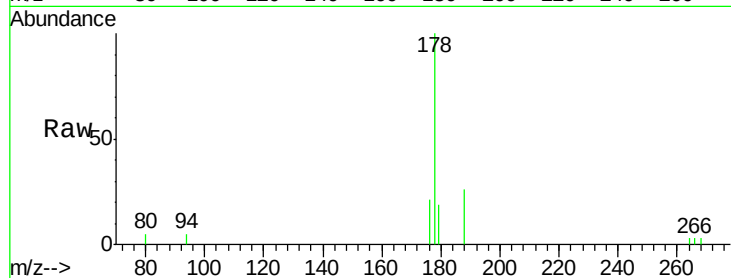
Tgt Ion:178 Resp: 3519

Ion Ratio Lower Upper

178 100

176 20.9 15.1 22.7

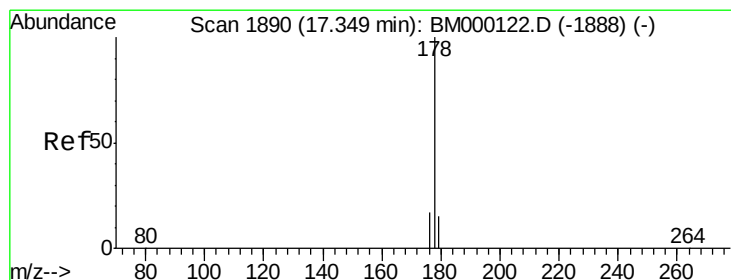
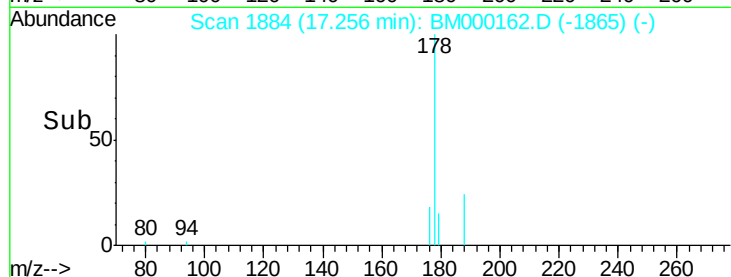
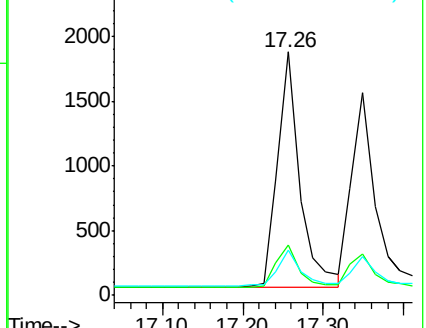
179 18.5 13.0 19.4



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: 0.11 ng/ul

RT: 17.35 min Scan# 1890

Delta R.T. 0.00 min

Lab File: BM000162.D

Acq: 09 Jan 2015 17:15

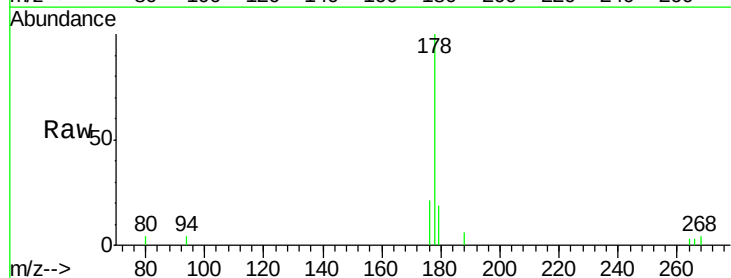
Tgt Ion:178 Resp: 3233

Ion Ratio Lower Upper

178 100

176 20.7 14.6 21.8

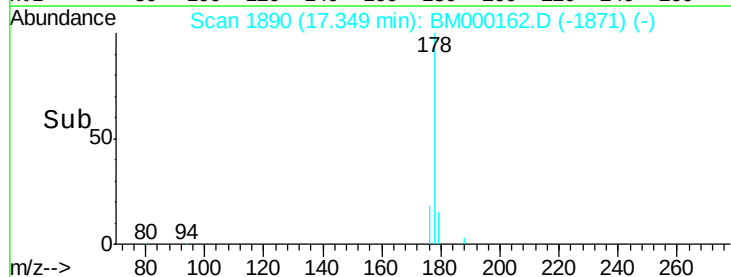
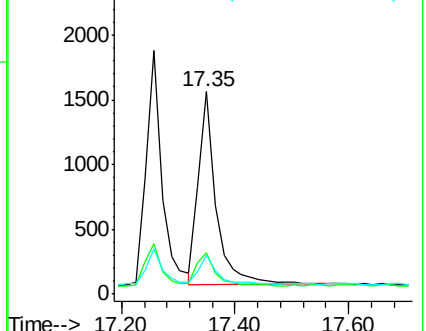
179 19.3 13.1 19.7

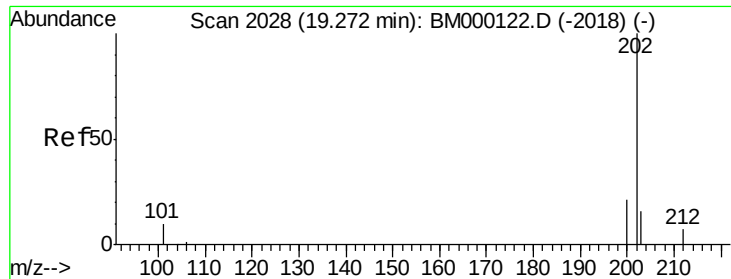


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

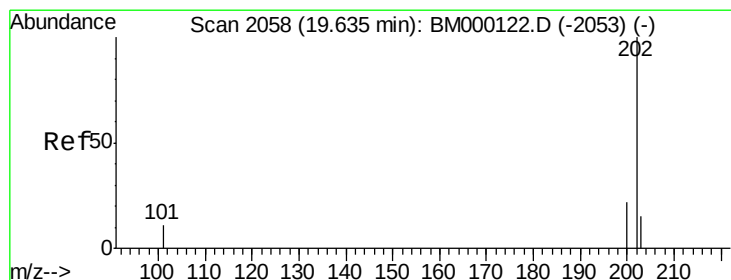
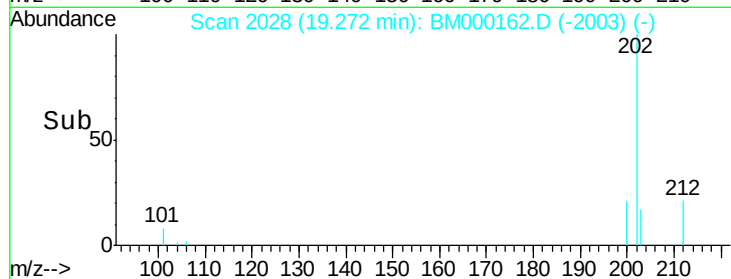
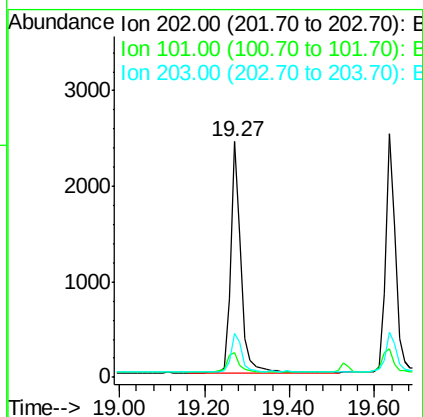
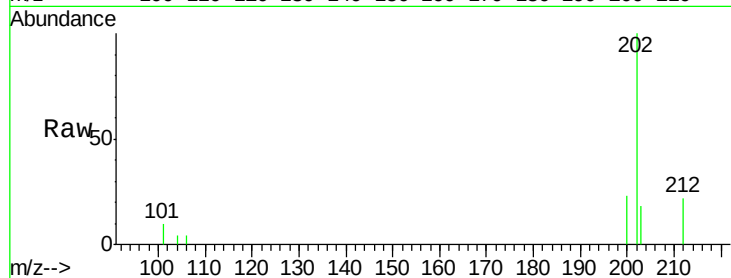
Ion 179.00 (178.70 to 179.70): E





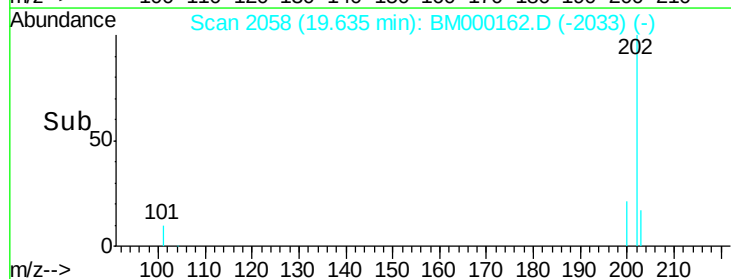
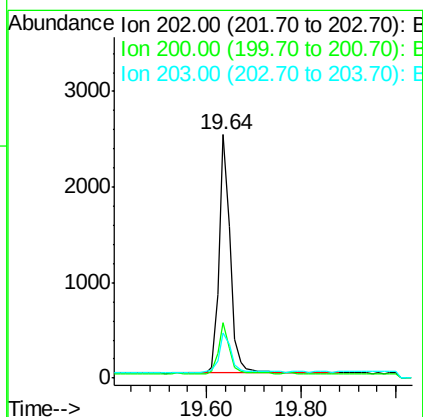
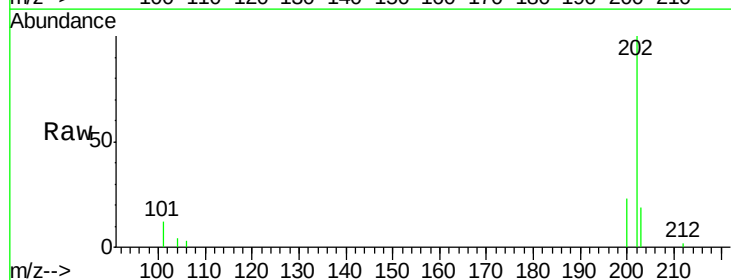
#15
Fluoranthene
Concen: 0.11 ng/ul
RT: 19.27 min Scan# 2028
Delta R.T. 0.00 min
Lab File: BM000162.D
Acq: 09 Jan 2015 17:15

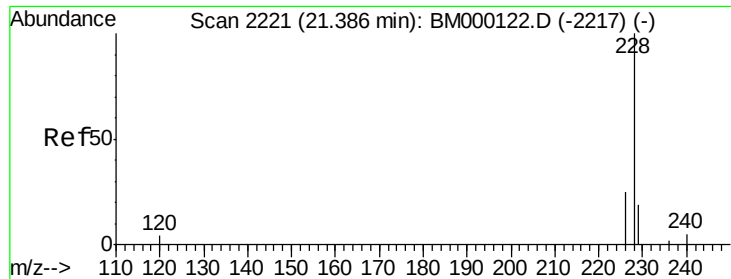
Tgt Ion:202 Resp: 3991
Ion Ratio Lower Upper
202 100
101 10.3 0.0 30.5
203 18.5 0.0 36.6



#17
Pyrene
Concen: 0.11 ng/ul
RT: 19.64 min Scan# 2058
Delta R.T. 0.00 min
Lab File: BM000162.D
Acq: 09 Jan 2015 17:15

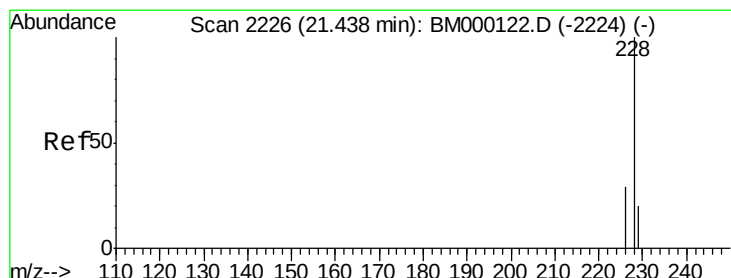
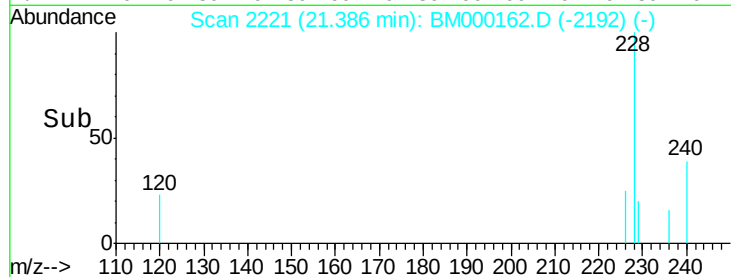
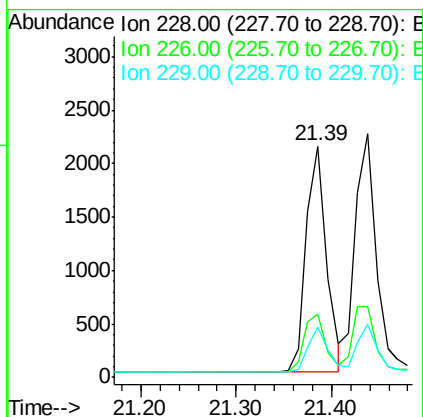
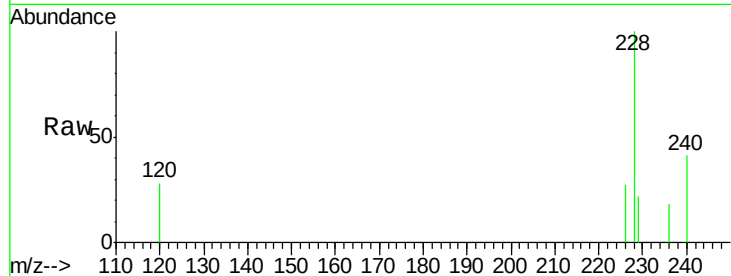
Tgt Ion:202 Resp: 4030
Ion Ratio Lower Upper
202 100
200 23.0 17.9 26.9
203 18.8 12.8 19.2





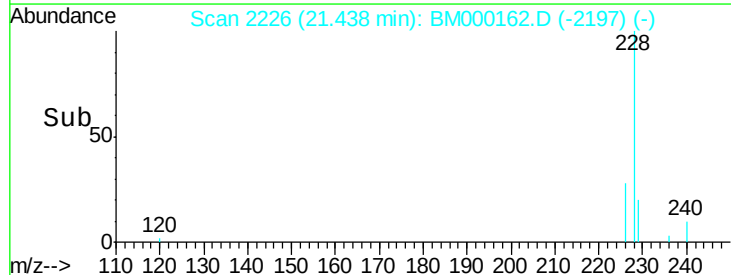
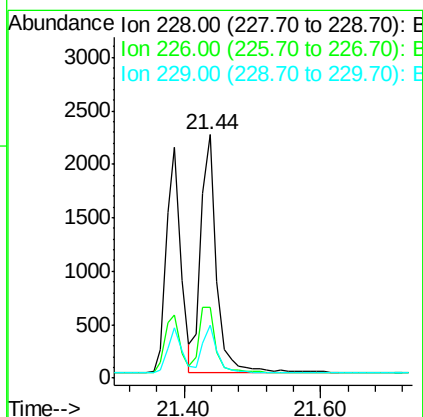
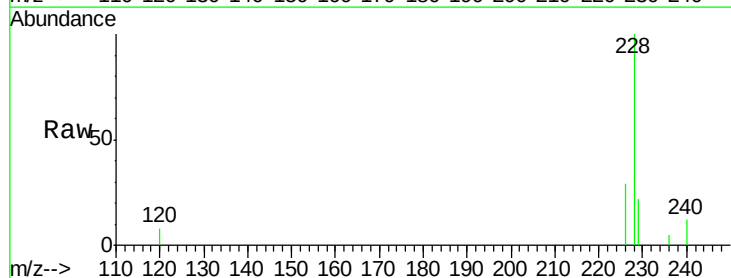
#18
Benzo(a)anthracene
Concen: 0.11 ng/ul
RT: 21.39 min Scan# 2221
Delta R.T. 0.00 min
Lab File: BM000162.D
Acq: 09 Jan 2015 17:15

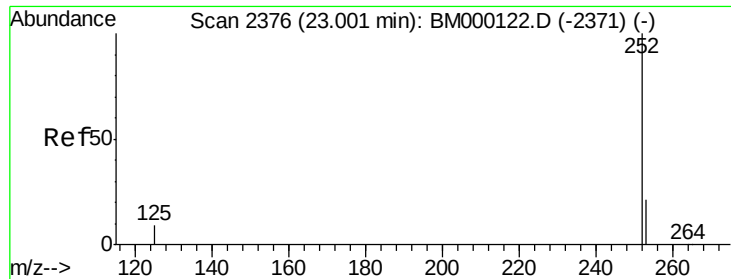
Tgt Ion:228 Resp: 3123
Ion Ratio Lower Upper
228 100
226 27.2 20.8 31.2
229 21.7 15.5 23.3



#19
Chrysene
Concen: 0.11 ng/ul
RT: 21.44 min Scan# 2226
Delta R.T. 0.00 min
Lab File: BM000162.D
Acq: 09 Jan 2015 17:15

Tgt Ion:228 Resp: 3571
Ion Ratio Lower Upper
228 100
226 29.1 23.8 35.6
229 21.8 15.8 23.8





#21

Benzo(b)fluoranthene

Concen: 0.10 ng/ul

RT: 23.00 min Scan# 2376

Delta R.T. 0.00 min

Lab File: BM000162.D

Acq: 09 Jan 2015 17:15

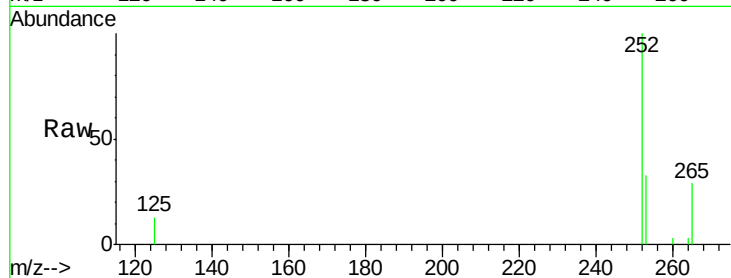
Tgt Ion: 252 Resp: 3413

Ion Ratio Lower Upper

252 100

253 33.0 0.0 48.2

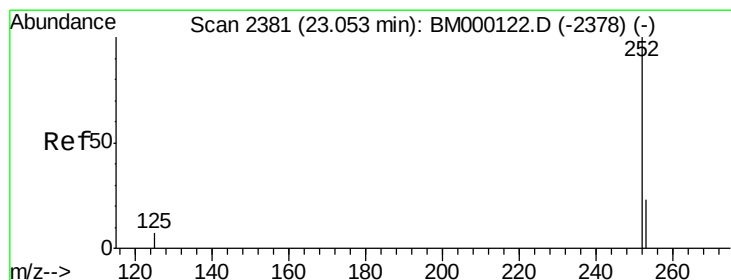
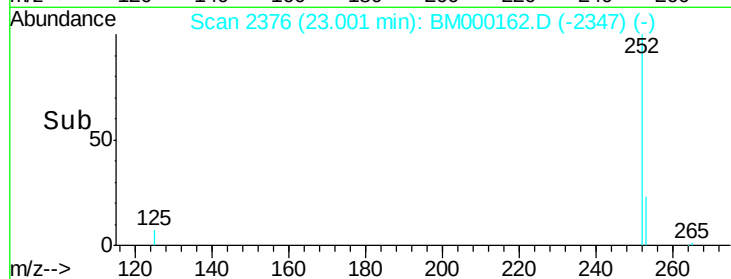
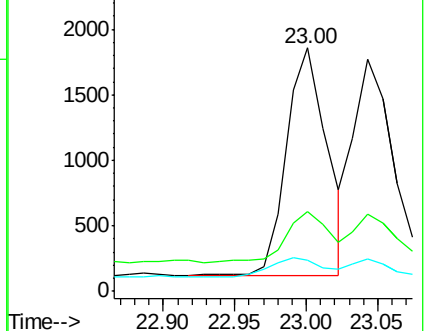
125 12.8 0.0 21.6



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



#22

Benzo(k)fluoranthene

Concen: 0.11 ng/ul

RT: 23.04 min Scan# 2380

Delta R.T. -0.01 min

Lab File: BM000162.D

Acq: 09 Jan 2015 17:15

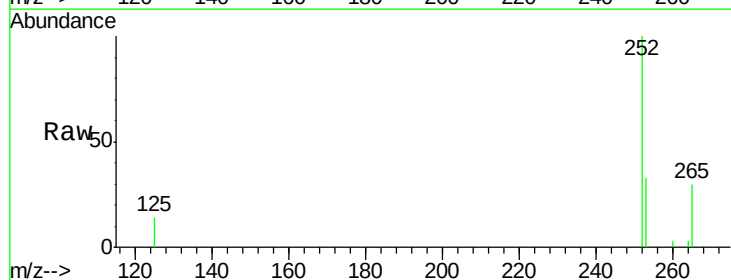
Tgt Ion: 252 Resp: 3307

Ion Ratio Lower Upper

252 100

253 33.0 20.5 30.7#

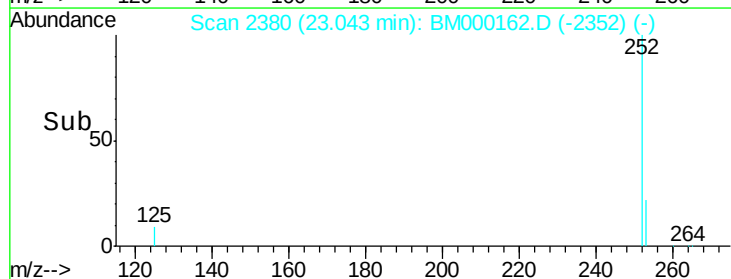
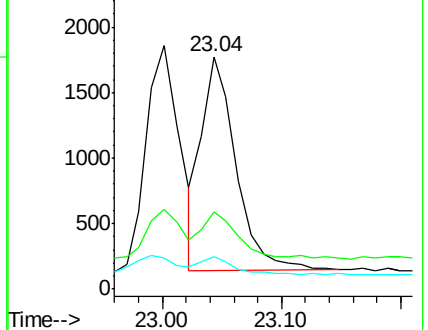
125 14.2 7.8 11.8#

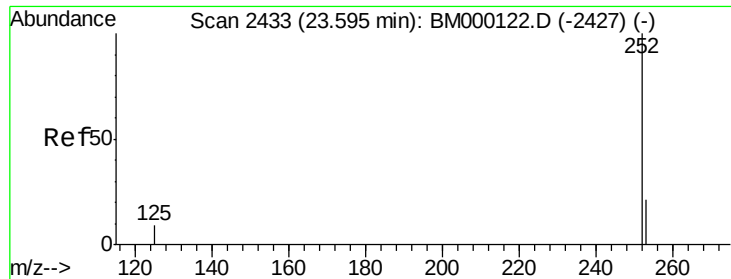


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#23

Benzo(a)pyrene

Concen: 0.11 ng/ul

RT: 23.60 min Scan# 2433

Delta R.T. 0.00 min

Lab File: BM000162.D

Acq: 09 Jan 2015 17:15

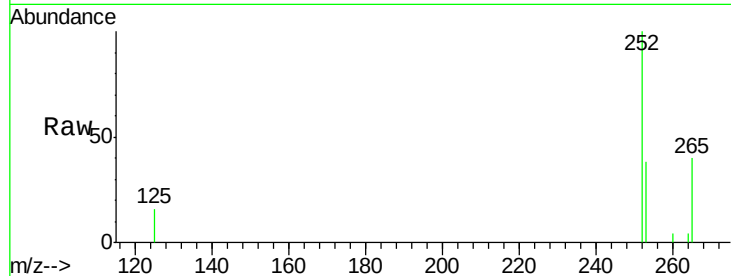
Tgt Ion: 252 Resp: 3202

Ion Ratio Lower Upper

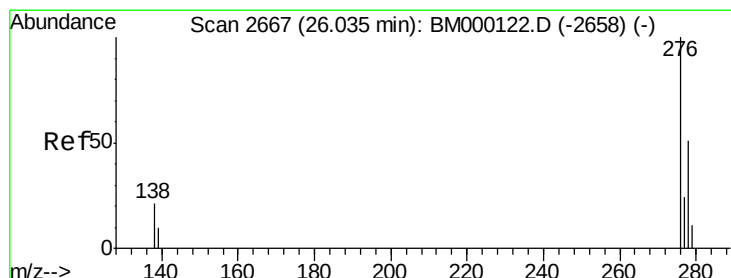
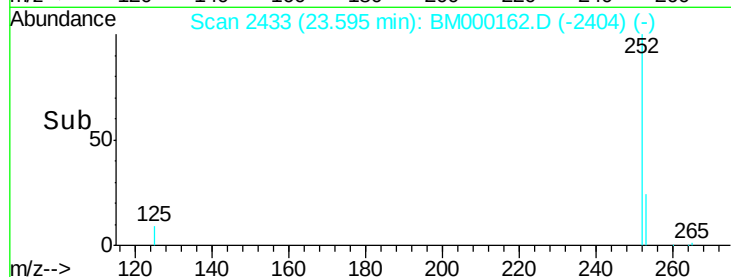
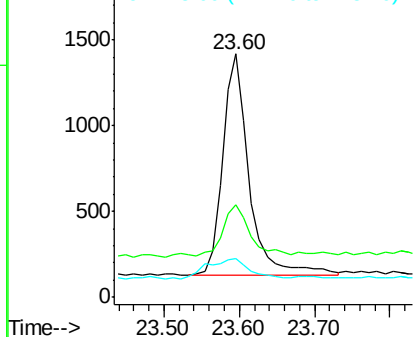
252 100

253 37.8 19.8 29.6#

125 15.8 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: 0.11 ng/ul

RT: 26.05 min Scan# 2668

Delta R.T. 0.01 min

Lab File: BM000162.D

Acq: 09 Jan 2015 17:15

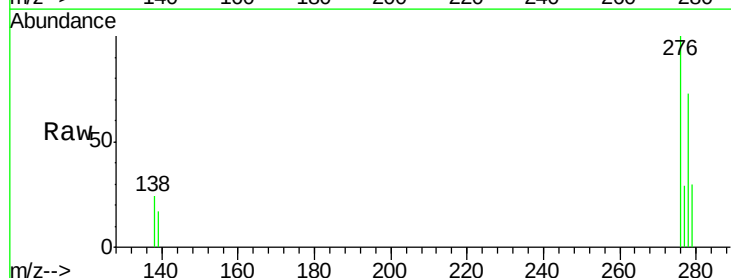
Tgt Ion: 276 Resp: 3584

Ion Ratio Lower Upper

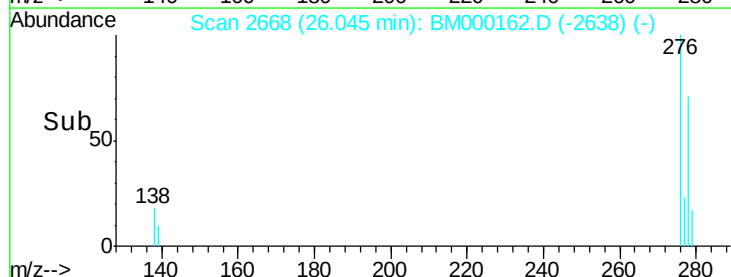
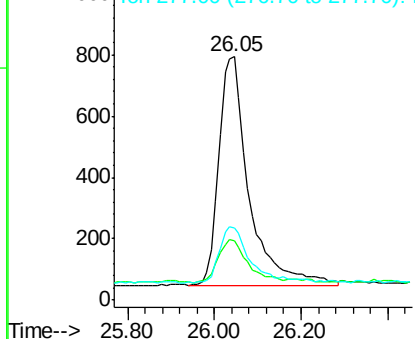
276 100

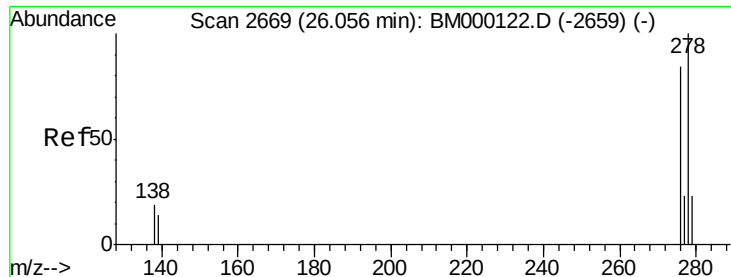
138 18.4 17.6 26.4

277 24.1 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: 0.10 ng/ul

RT: 26.06 min Scan# 2669

Delta R.T. 0.00 min

Lab File: BM000162.D

Acq: 09 Jan 2015 17:15

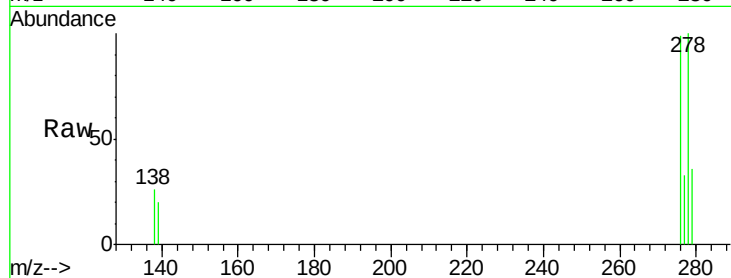
Tgt Ion: 278 Resp: 2782

Ion Ratio Lower Upper

278 100

139 20.4 12.6 18.8#

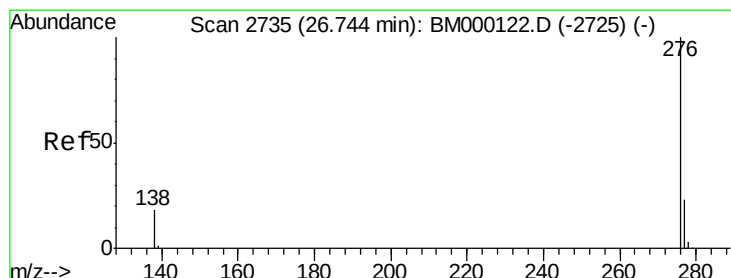
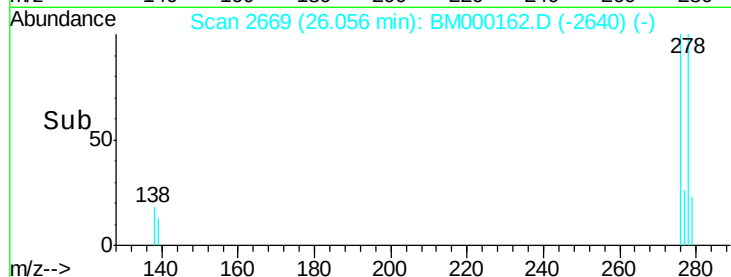
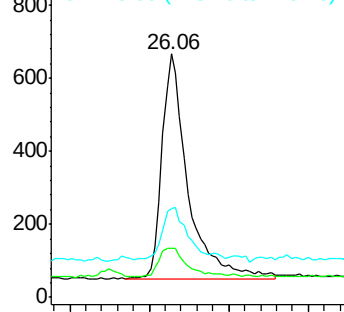
279 36.4 20.6 30.8#



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: 0.11 ng/ul

RT: 26.74 min Scan# 2735

Delta R.T. 0.00 min

Lab File: BM000162.D

Acq: 09 Jan 2015 17:15

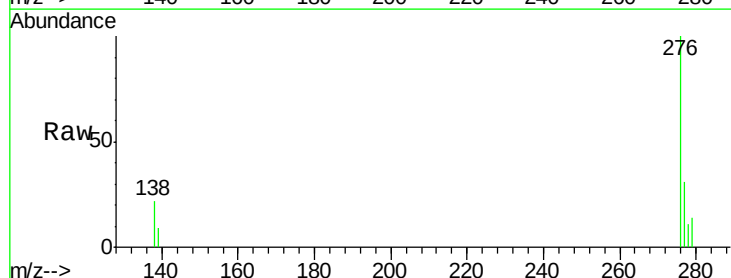
Tgt Ion: 276 Resp: 3211

Ion Ratio Lower Upper

276 100

277 30.6 20.0 30.0#

138 22.3 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

