

Data Path : Z:\HPCHEM1\BNA_M\Data\BM010815\
 Data File : BM000150.D
 Acq On : 08 Jan 2015 19:41
 Operator : TP/IZ
 Sample : MDL-05-W
 Misc : MDL-WATER-0.15PPM-SIM
 ALS Vial : 30 Sample Multiplier: 1

Quant Time: Jan 09 00:52:57 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	2822	0.40	ng/ul	0.00
2) Naphthalene-d8	10.64	136	9127	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.47	164	5616	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.23	188	10409	0.40	ng/ul	0.02
16) Chrysene-d12	21.41	240	8988	0.40	ng/ul	0.00
20) Perylene-d12	23.70	264	8242	0.40	ng/ul	0.00

System Monitoring Compounds

4) 2-Methylnaphthalene-d10	12.22	152	4872	0.40	ng/ul	0.00
14) Fluoranthene-d10	19.25	212	7847	0.35	ng/ul	0.00

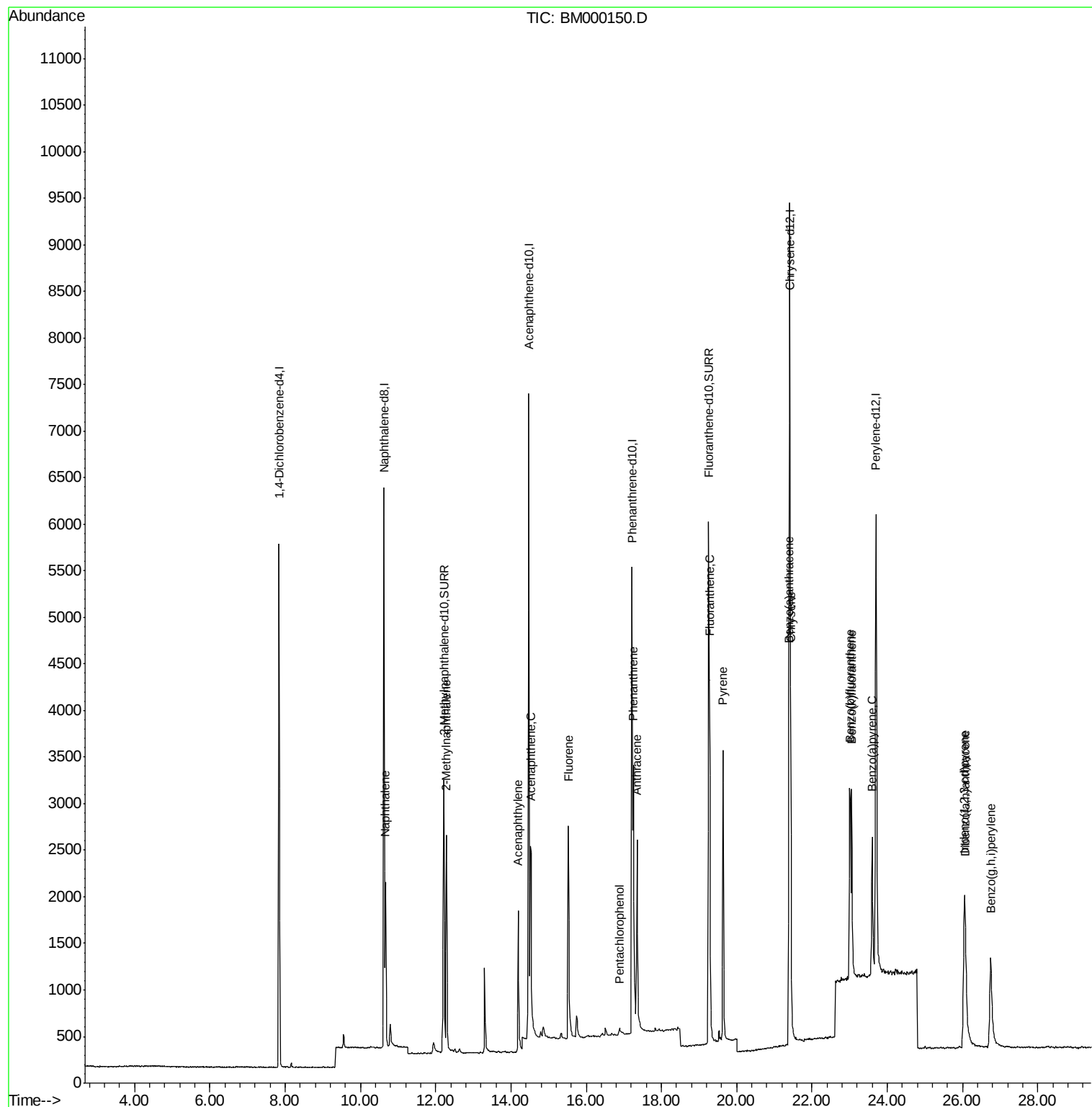
Target Compounds

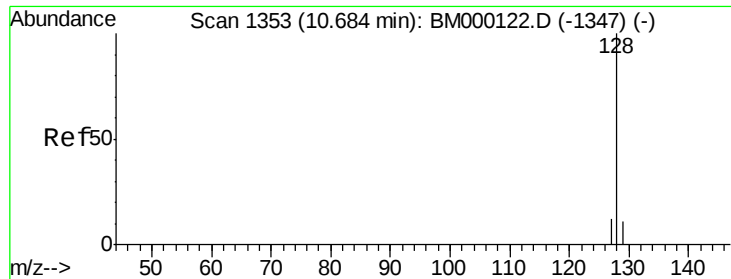
						Qvalue
3) Naphthalene	10.67	128	2694	0.11	ng/ul#	94
5) 2-Methylnaphthalene	12.28	142	1733	0.11	ng/ul	99
7) Acenaphthylene	14.20	152	2791	0.10	ng/ul#	95
8) Acenaphthene	14.52	153	1773	0.10	ng/ul#	81
9) Fluorene	15.52	166	2064	0.10	ng/ul#	90
11) Pentachlorophenol	16.88	266	159	0.10	ng/ul	92
12) Phenanthrene	17.26	178	3302	0.10	ng/ul	94
13) Anthracene	17.35	178	3158	0.10	ng/ul	93
15) Fluoranthene	19.27	202	3895	0.11	ng/ul	96
17) Pyrene	19.63	202	3960	0.11	ng/ul	95
18) Benzo(a)anthracene	21.39	228	3171	0.11	ng/ul	95
19) Chrysene	21.44	228	3510	0.11	ng/ul	97
21) Benzo(b)fluoranthene	23.00	252	3552	0.11	ng/ul	86
22) Benzo(k)fluoranthene	23.05	252	3114	0.10	ng/ul#	87
23) Benzo(a)pyrene	23.60	252	3045	0.10	ng/ul#	78
24) Indeno(1,2,3-cd)pyrene	26.05	276	3491	0.10	ng/ul	99
25) Dibenzo(a,h)anthracene	26.07	278	2705	0.10	ng/ul#	80
26) Benzo(g,h,i)perylene	26.75	276	3175	0.11	ng/ul	92

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

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#3

Naphthalene

Concen: 0.11 ng/ul

RT: 10.67 min Scan# 1352

Delta R.T. -0.01 min

Lab File: BM000150.D

Acq: 08 Jan 2015 19:41

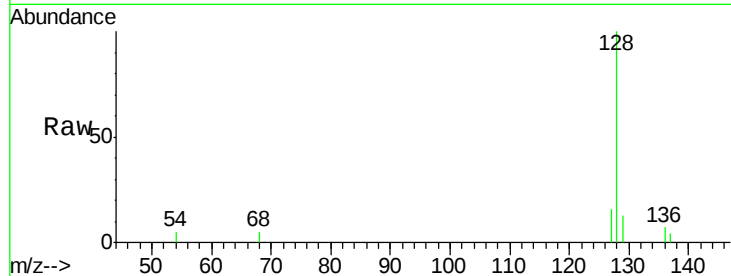
Tgt Ion:128 Resp: 2694

Ion Ratio Lower Upper

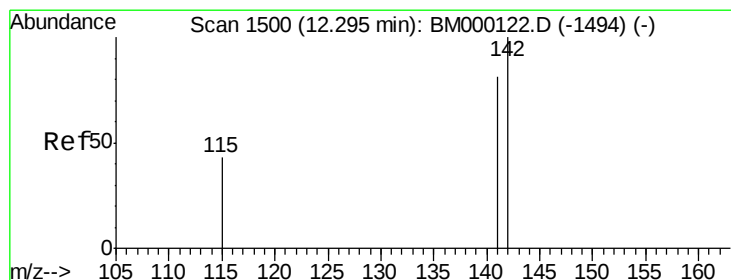
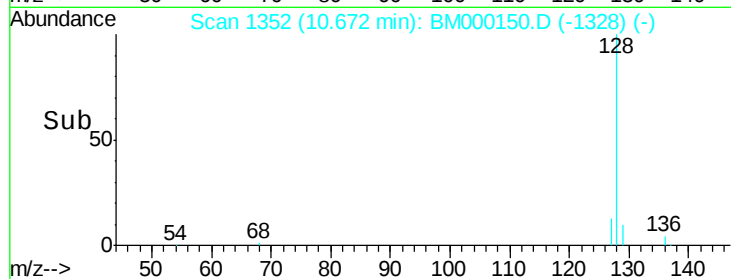
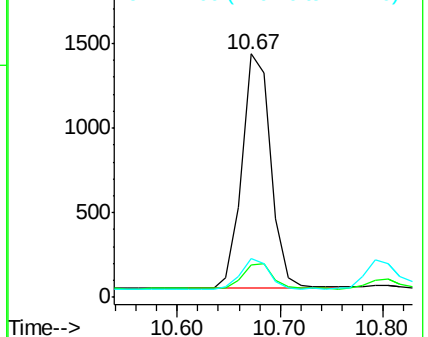
128 100

129 13.4 9.5 14.3

127 16.1 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: 0.11 ng/ul

RT: 12.28 min Scan# 1499

Delta R.T. -0.01 min

Lab File: BM000150.D

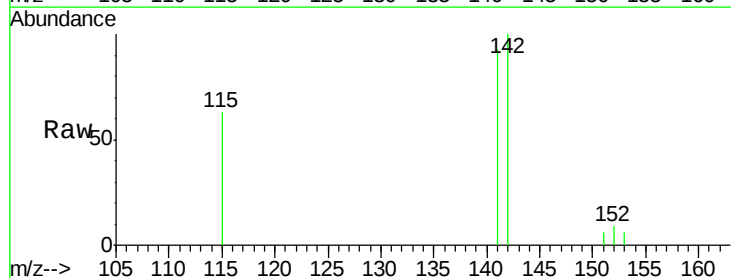
Acq: 08 Jan 2015 19:41

Tgt Ion:142 Resp: 1733

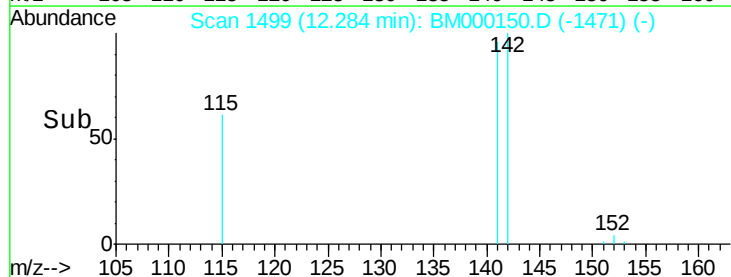
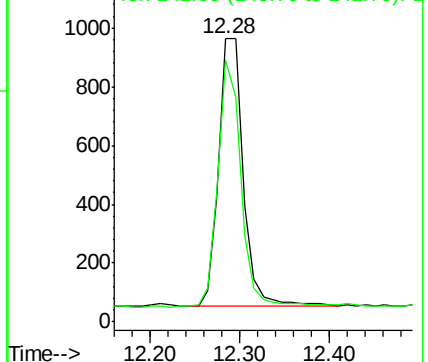
Ion Ratio Lower Upper

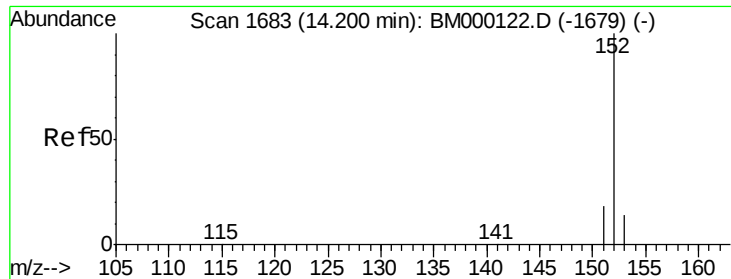
142 100

141 86.8 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: 0.10 ng/ul

RT: 14.20 min Scan# 1683

Delta R.T. -0.00 min

Lab File: BM000150.D

Acq: 08 Jan 2015 19:41

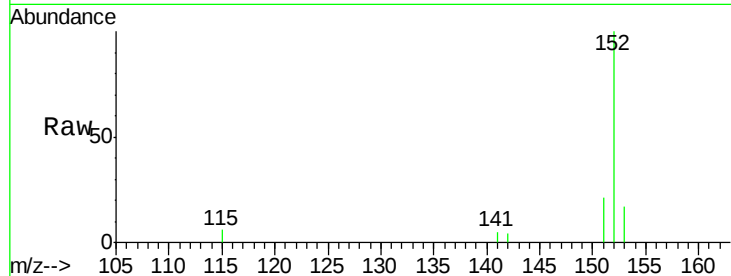
Tgt Ion:152 Resp: 2791

Ion Ratio Lower Upper

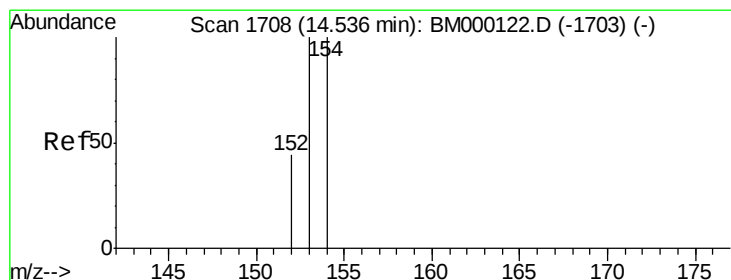
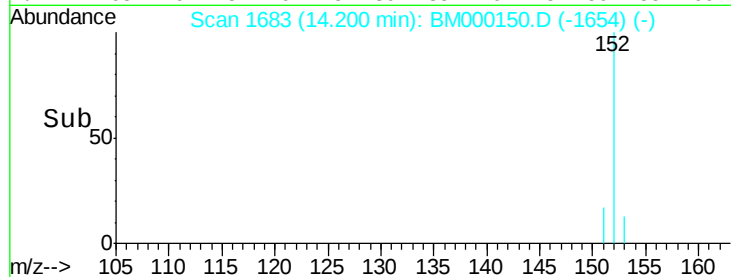
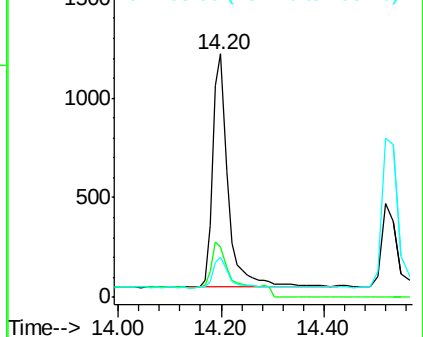
152 100

151 20.8 15.4 23.2

153 16.5 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: 0.10 ng/ul

RT: 14.52 min Scan# 1707

Delta R.T. -0.02 min

Lab File: BM000150.D

Acq: 08 Jan 2015 19:41

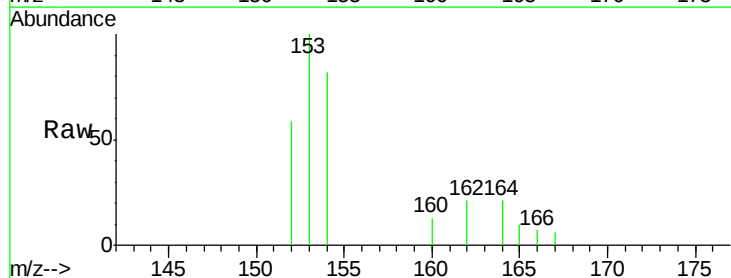
Tgt Ion:153 Resp: 1773

Ion Ratio Lower Upper

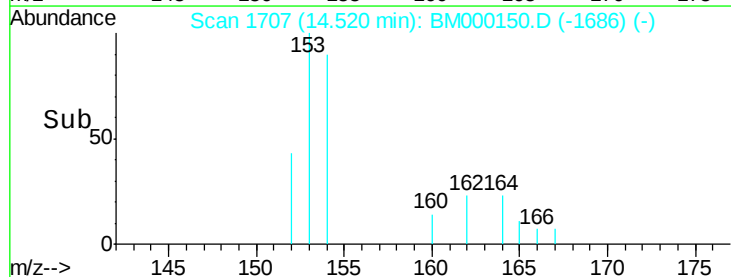
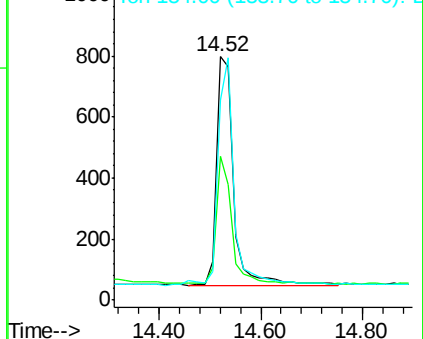
153 100

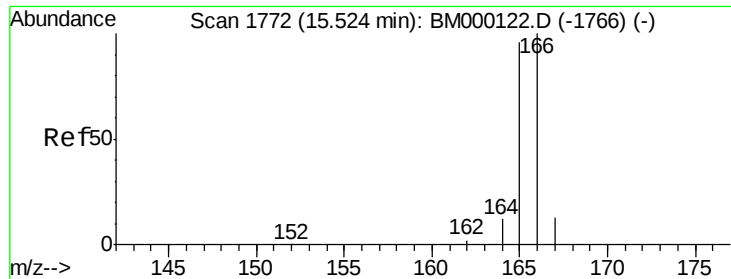
152 59.3 35.8 53.6#

154 82.3 79.9 119.9



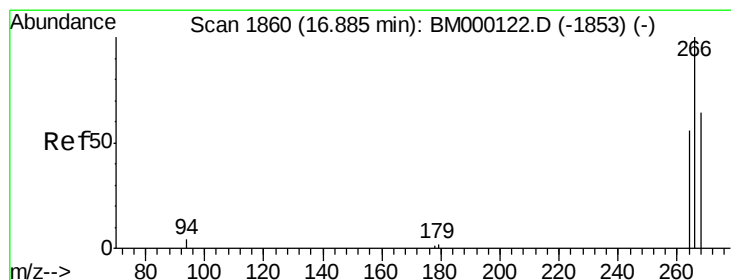
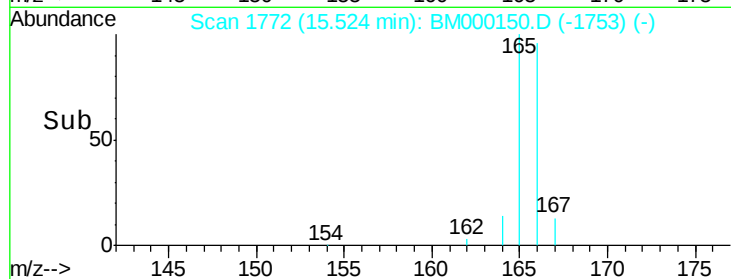
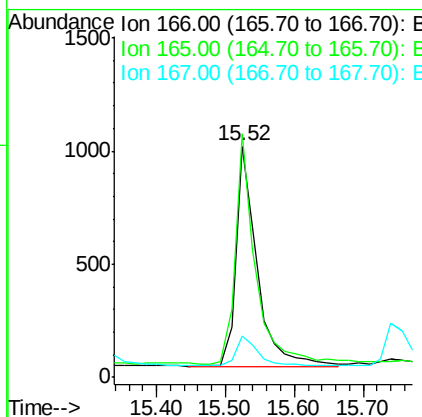
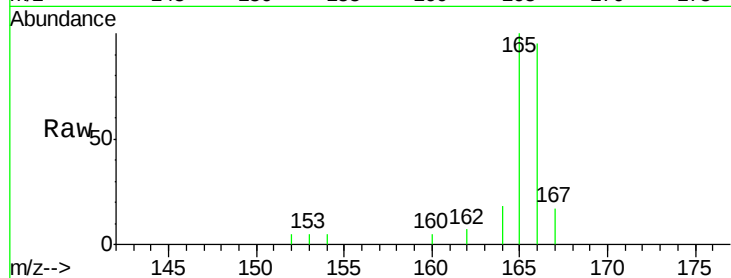
Abundance Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E
Ion 154.00 (153.70 to 154.70): E





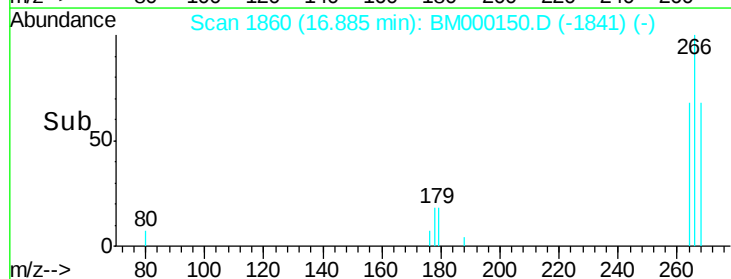
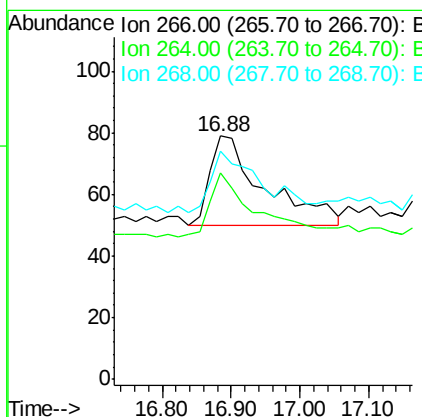
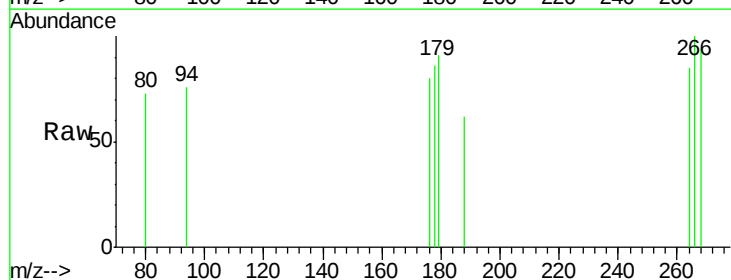
#9
 Fluorene
 Concen: 0.10 ng/ul
 RT: 15.52 min Scan# 1772
 Delta R.T. -0.00 min
 Lab File: BM000150.D
 Acq: 08 Jan 2015 19:41

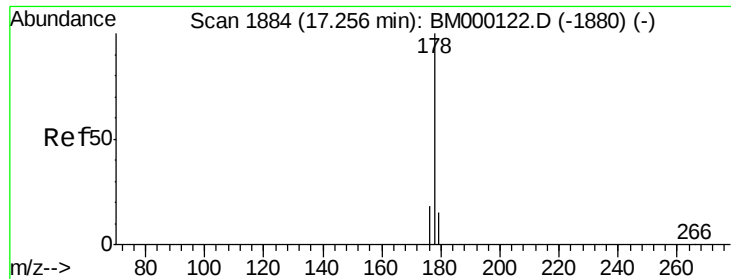
Tgt Ion:166 Resp: 2064
 Ion Ratio Lower Upper
 166 100
 165 105.5 77.0 115.4
 167 17.7 11.0 16.6#



#11
 Pentachlorophenol
 Concen: 0.10 ng/ul
 RT: 16.88 min Scan# 1860
 Delta R.T. -0.00 min
 Lab File: BM000150.D
 Acq: 08 Jan 2015 19:41

Tgt Ion:266 Resp: 159
 Ion Ratio Lower Upper
 266 100
 264 62.9 53.9 80.9
 268 53.5 49.2 73.8





#12

Phenanthrene

Concen: 0.10 ng/ul

RT: 17.26 min Scan# 1884

Delta R.T. -0.00 min

Lab File: BM000150.D

Acq: 08 Jan 2015 19:41

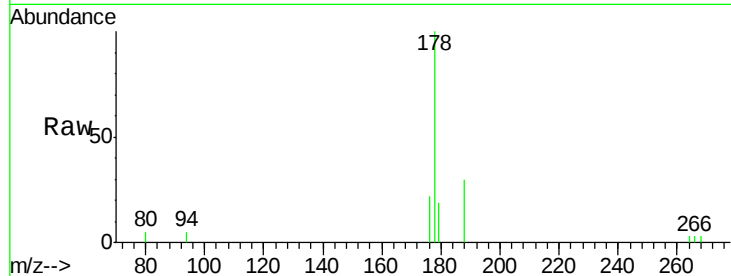
Tgt Ion:178 Resp: 3302

Ion Ratio Lower Upper

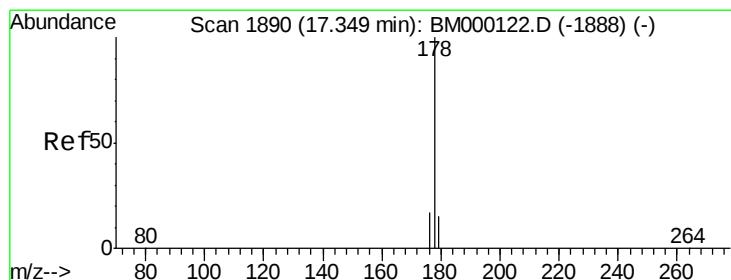
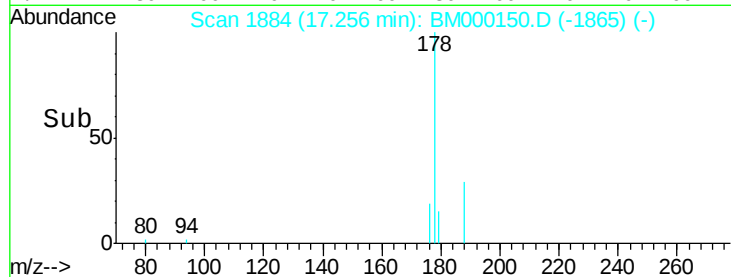
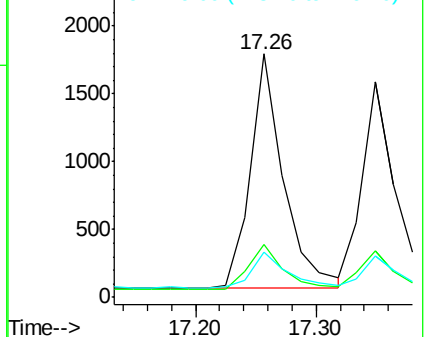
178 100

176 21.7 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: 0.10 ng/ul

RT: 17.35 min Scan# 1890

Delta R.T. -0.00 min

Lab File: BM000150.D

Acq: 08 Jan 2015 19:41

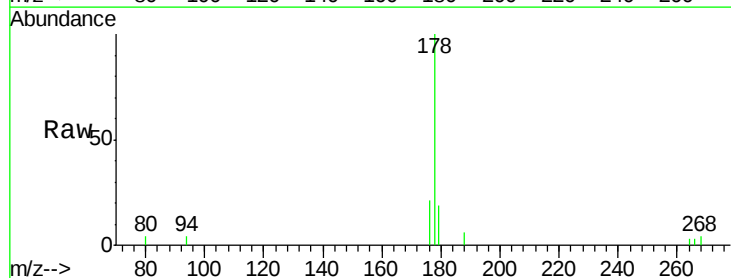
Tgt Ion:178 Resp: 3158

Ion Ratio Lower Upper

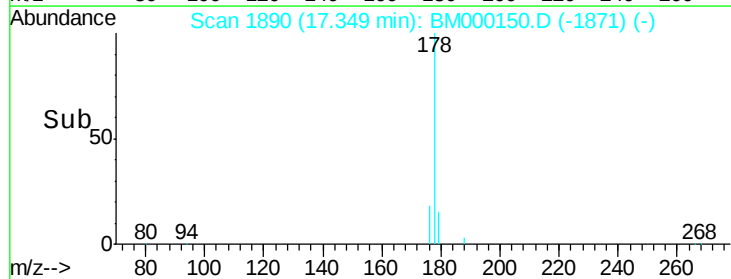
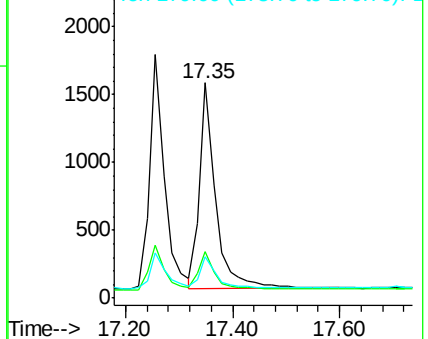
178 100

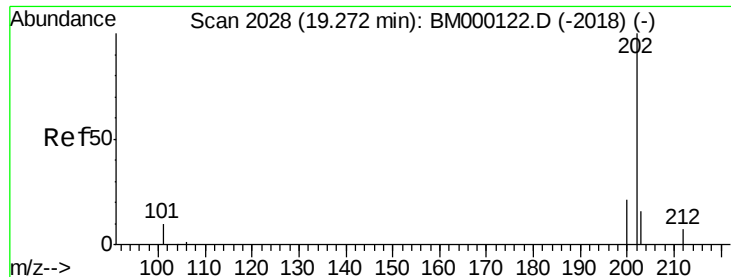
176 21.3 14.6 21.8

179 19.3 13.1 19.7



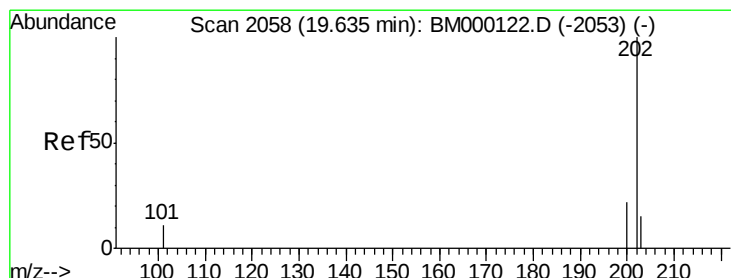
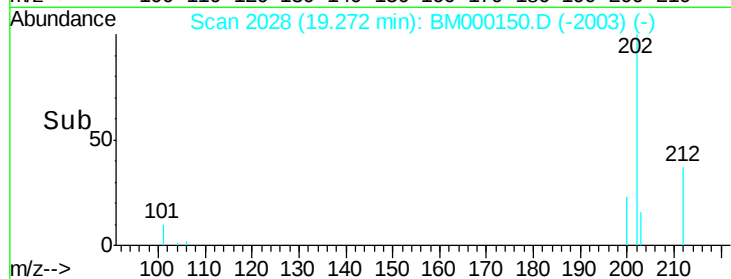
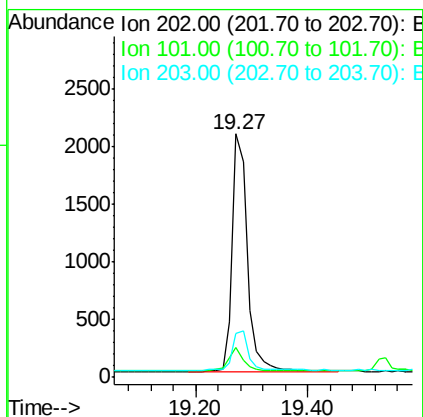
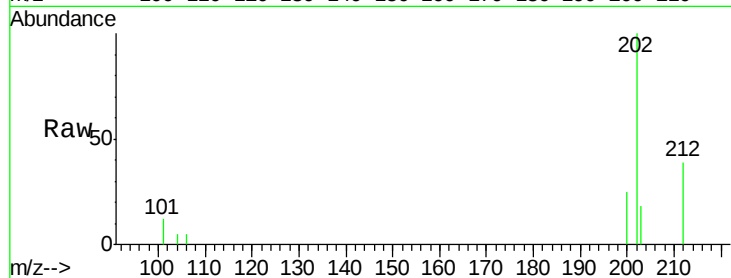
Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E





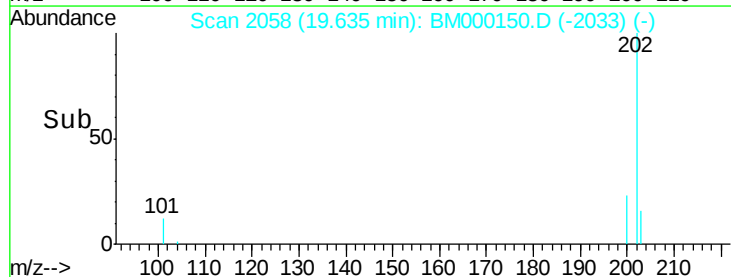
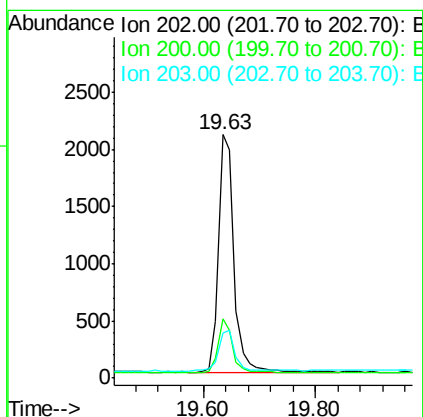
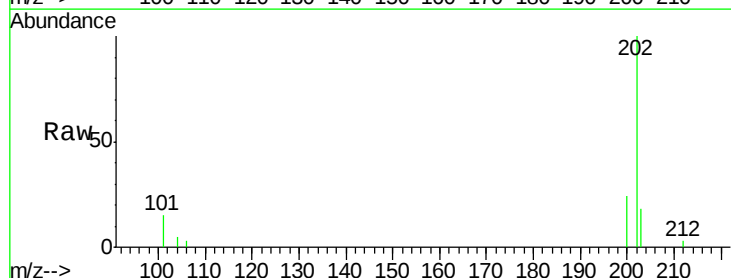
#15
 Fluoranthene
 Concen: 0.11 ng/ul
 RT: 19.27 min Scan# 2028
 Delta R.T. -0.00 min
 Lab File: BM000150.D
 Acq: 08 Jan 2015 19:41

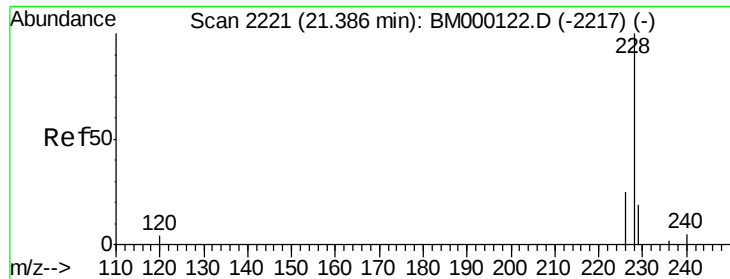
Tgt Ion	Ratio	Lower	Upper
202	100		
101	12.4	0.0	30.5
203	18.2	0.0	36.6



#17
 Pyrene
 Concen: 0.11 ng/ul
 RT: 19.63 min Scan# 2058
 Delta R.T. -0.00 min
 Lab File: BM000150.D
 Acq: 08 Jan 2015 19:41

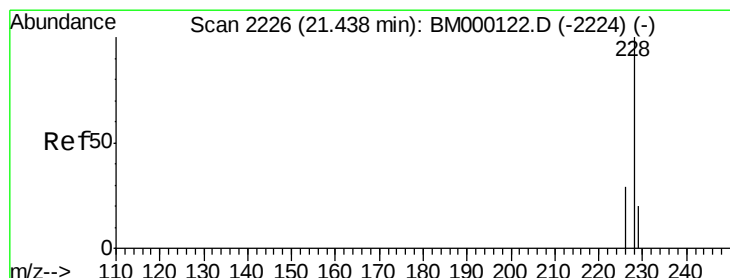
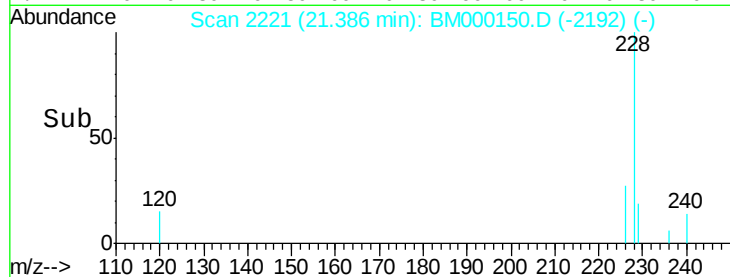
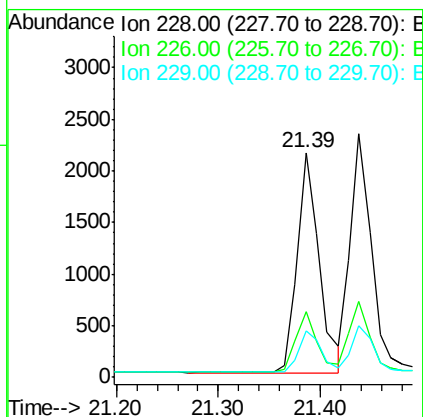
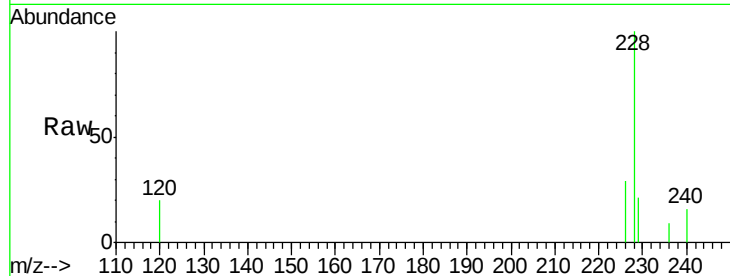
Tgt Ion	Ratio	Lower	Upper
202	100		
200	24.4	17.9	26.9
203	18.4	12.8	19.2





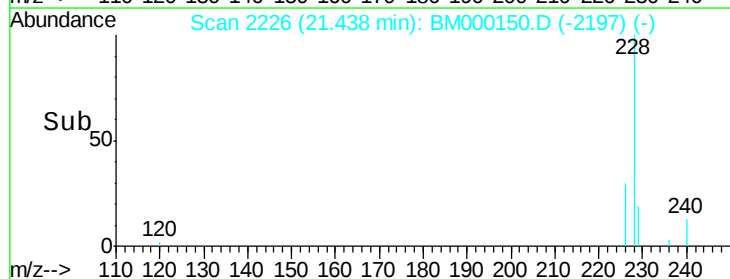
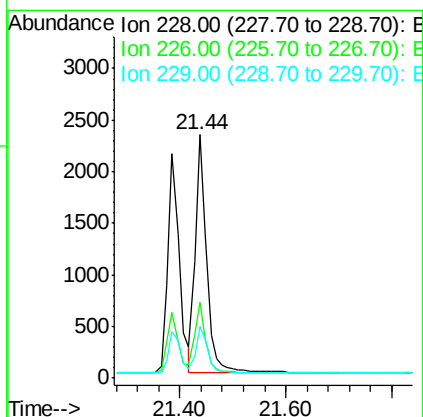
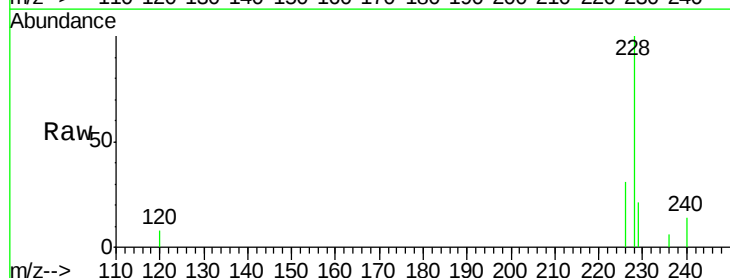
#18
Benzo(a)anthracene
Concen: 0.11 ng/ul
RT: 21.39 min Scan# 2221
Delta R.T. -0.00 min
Lab File: BM000150.D
Acq: 08 Jan 2015 19:41

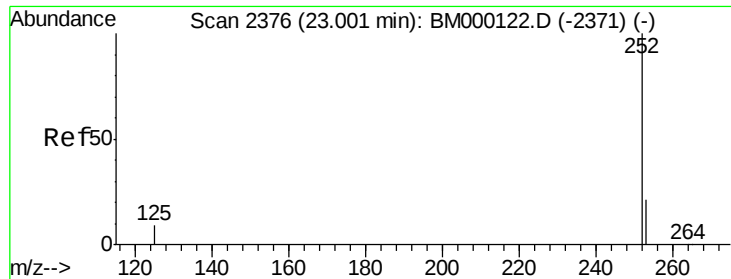
Tgt Ion:228 Resp: 3171
Ion Ratio Lower Upper
228 100
226 29.2 20.8 31.2
229 20.5 15.5 23.3



#19
Chrysene
Concen: 0.11 ng/ul
RT: 21.44 min Scan# 2226
Delta R.T. -0.00 min
Lab File: BM000150.D
Acq: 08 Jan 2015 19:41

Tgt Ion:228 Resp: 3510
Ion Ratio Lower Upper
228 100
226 31.4 23.8 35.6
229 21.1 15.8 23.8





#21

Benzo(b)fluoranthene

Concen: 0.11 ng/ul

RT: 23.00 min Scan# 2376

Delta R.T. -0.00 min

Lab File: BM000150.D

Acq: 08 Jan 2015 19:41

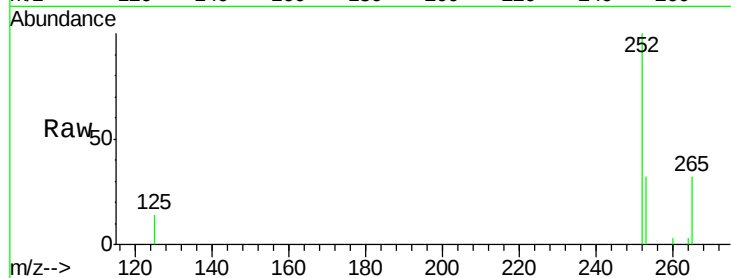
Tgt Ion:252 Resp: 3552

Ion Ratio Lower Upper

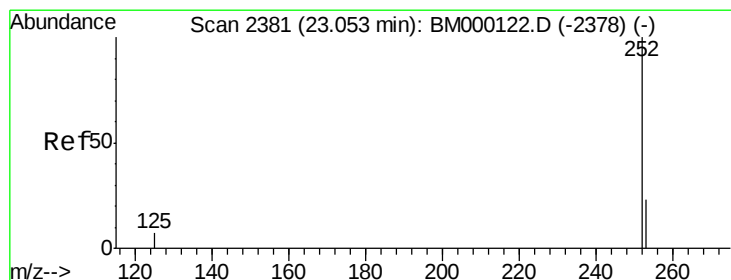
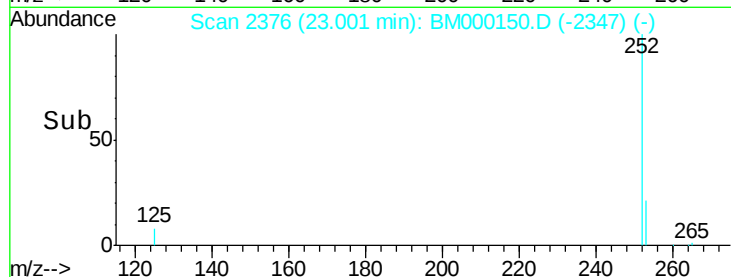
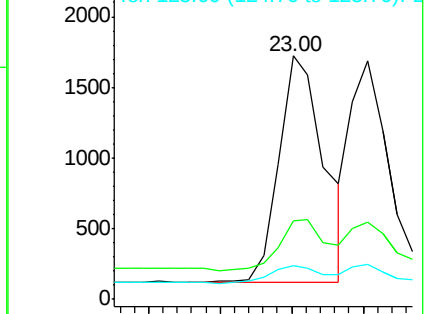
252 100

253 32.0 0.0 48.2

125 13.9 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: 0.10 ng/ul

RT: 23.05 min Scan# 2381

Delta R.T. -0.00 min

Lab File: BM000150.D

Acq: 08 Jan 2015 19:41

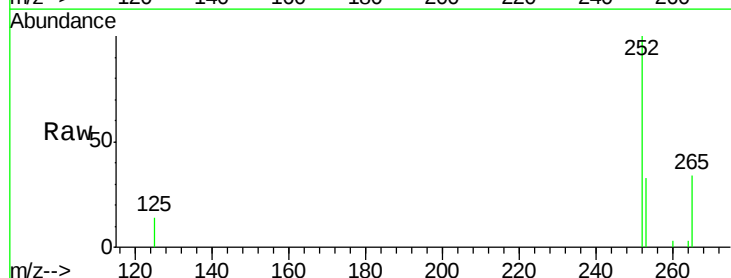
Tgt Ion:252 Resp: 3114

Ion Ratio Lower Upper

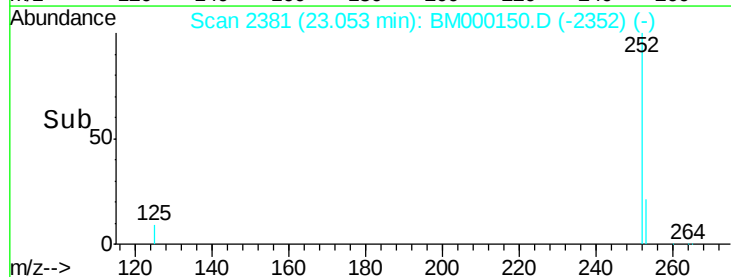
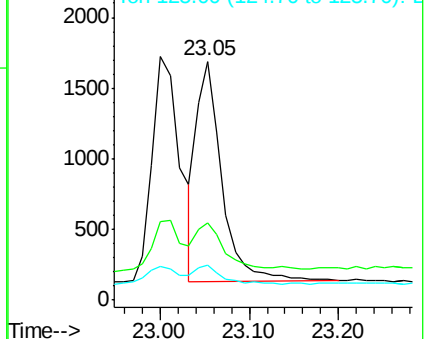
252 100

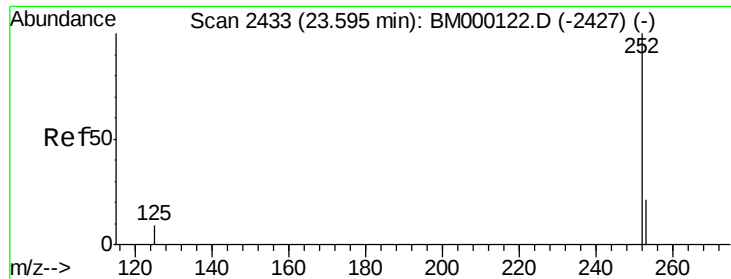
253 32.5 20.5 30.7#

125 14.5 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: 0.10 ng/ul

RT: 23.60 min Scan# 2433

Delta R.T. -0.00 min

Lab File: BM000150.D

Acq: 08 Jan 2015 19:41

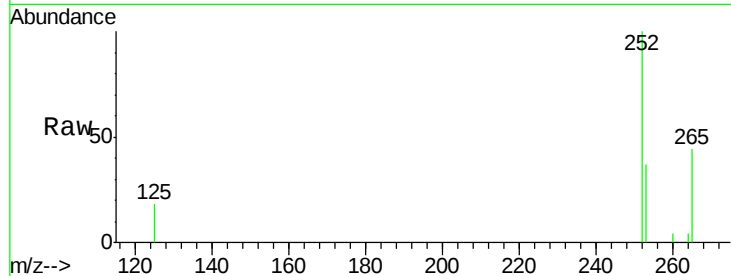
Tgt Ion: 252 Resp: 3045

Ion Ratio Lower Upper

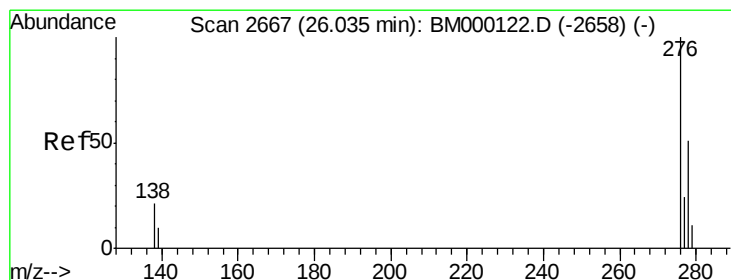
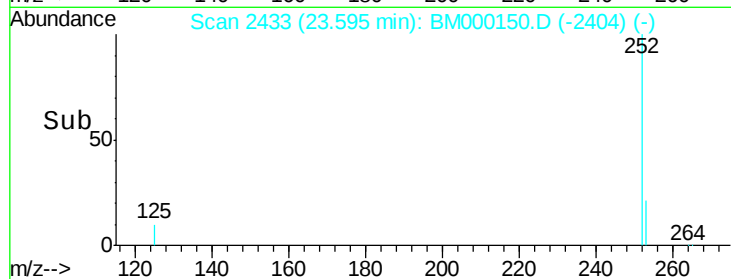
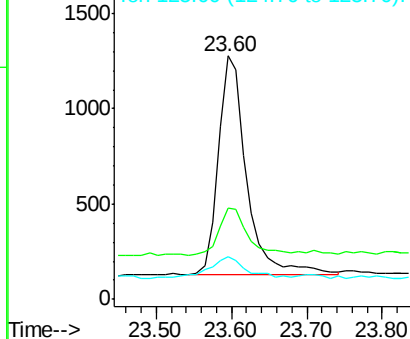
252 100

253 37.4 19.8 29.6#

125 17.6 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: 0.10 ng/ul

RT: 26.05 min Scan# 2668

Delta R.T. 0.01 min

Lab File: BM000150.D

Acq: 08 Jan 2015 19:41

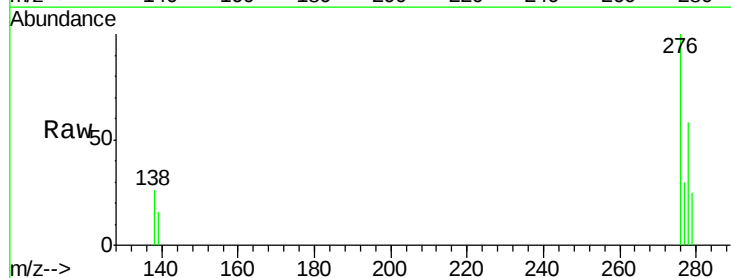
Tgt Ion: 276 Resp: 3491

Ion Ratio Lower Upper

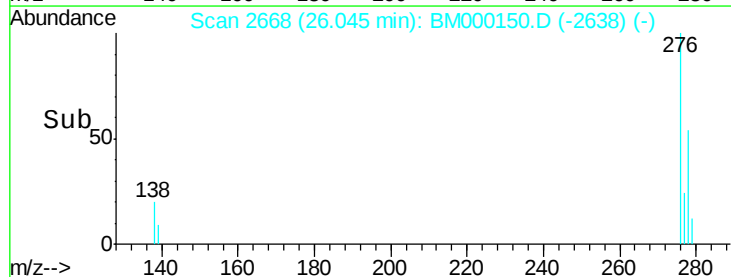
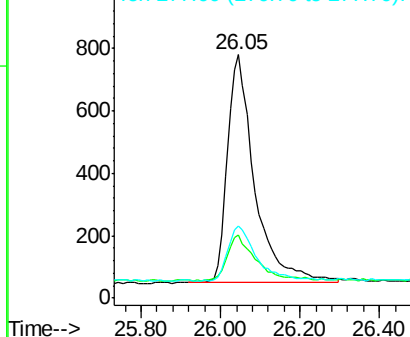
276 100

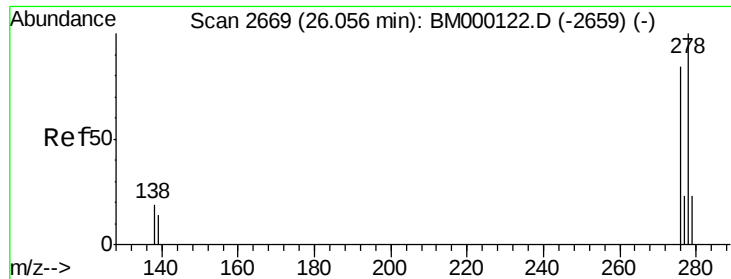
138 20.7 17.6 26.4

277 24.9 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: 26.07 min Scan# 2670

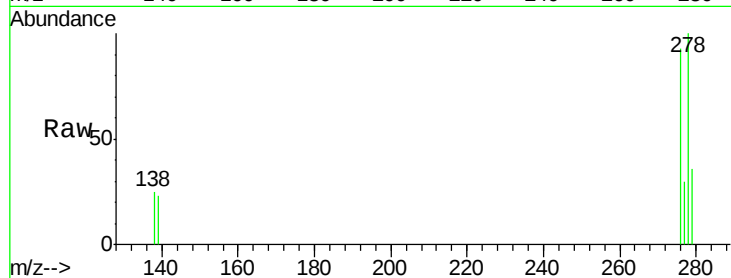
Delta R.T. 0.01 min

Lab File: BM000150.D

Acq: 08 Jan 2015 19:41

Tgt Ion: 278 Resp: 2705

Ion	Ratio	Lower	Upper
278	100		
139	23.1	12.6	18.8#
279	36.5	20.6	30.8#

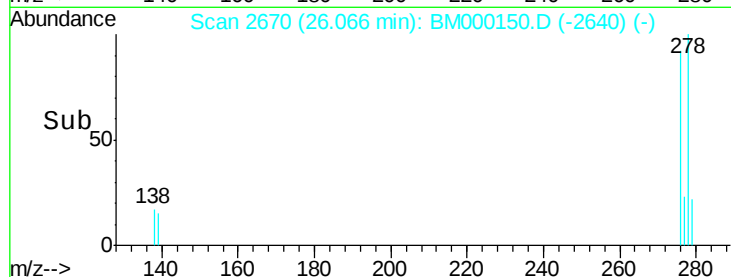


Abundance Ion 278.00 (277.70 to 278.70): E

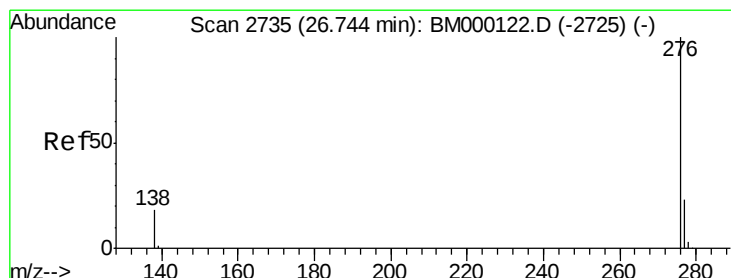
Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E

Time-->



Time-->



#26

Benzo(g,h,i)perylene

Concen: 0.11 ng/ul

RT: 26.75 min Scan# 2736

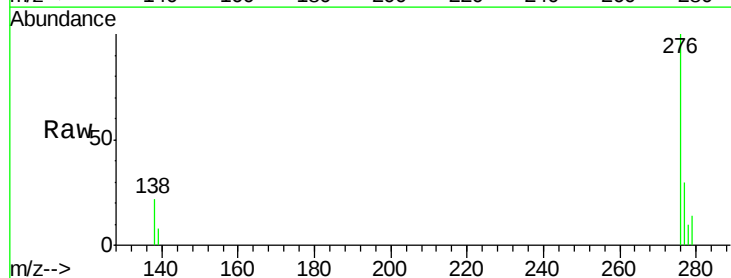
Delta R.T. 0.01 min

Lab File: BM000150.D

Acq: 08 Jan 2015 19:41

Tgt Ion: 276 Resp: 3175

Ion	Ratio	Lower	Upper
276	100		
277	29.8	20.0	30.0
138	21.9	15.7	23.5

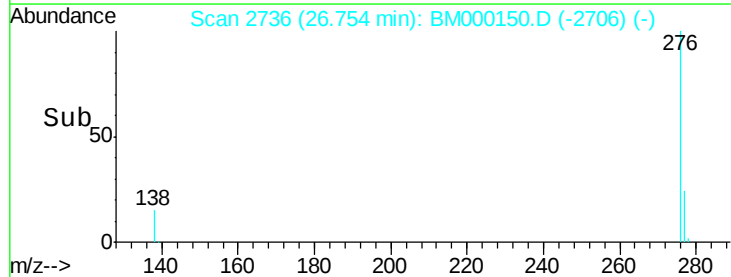


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

Time-->



Time-->