

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM010815\
 Data File : BM000152.D
 Acq On : 08 Jan 2015 20:52
 Operator : TP/IZ
 Sample : MDL-07-W
 Misc : MDL-WATER-0.15PPM-SIM
 ALS Vial : 32 Sample Multiplier: 1

Quant Time: Jan 09 00:55:20 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	2677	0.40	ng/ul	0.00
2) Naphthalene-d8	10.64	136	8818	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.47	164	5415	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.23	188	10097	0.40	ng/ul	0.02
16) Chrysene-d12	21.41	240	8745	0.40	ng/ul	0.00
20) Perylene-d12	23.70	264	7990	0.40	ng/ul	0.00

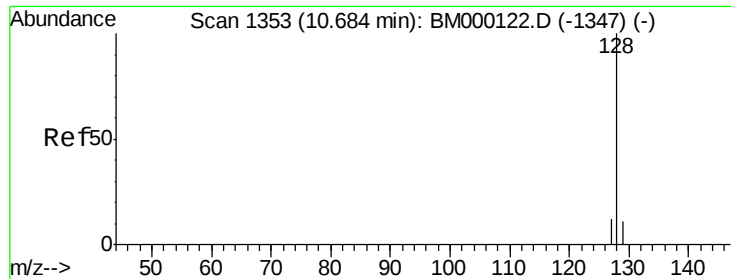
System Monitoring Compounds

4) 2-Methylnaphthalene-d10	12.22	152	4066	0.35	ng/ul	0.00
14) Fluoranthene-d10	19.25	212	6695	0.31	ng/ul	0.00

Target Compounds

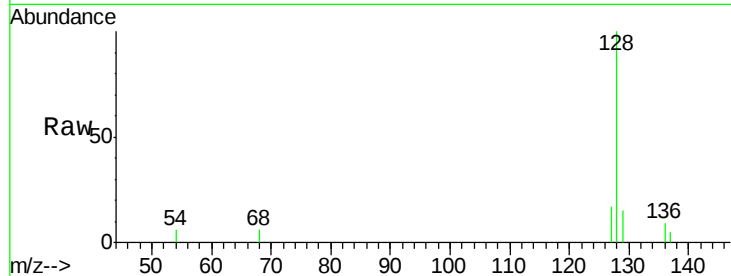
						Qvalue
3) Naphthalene	10.67	128	2057	0.09	ng/ul#	91
5) 2-Methylnaphthalene	12.28	142	1335	0.09	ng/ul	99
7) Acenaphthylene	14.20	152	2098	0.08	ng/ul	94
8) Acenaphthene	14.52	153	1403	0.08	ng/ul#	80
9) Fluorene	15.52	166	1614	0.08	ng/ul#	90
11) Pentachlorophenol	16.90	266	225	0.14	ng/ul	89
12) Phenanthrene	17.26	178	2512	0.08	ng/ul#	92
13) Anthracene	17.35	178	2479	0.08	ng/ul#	90
15) Fluoranthene	19.28	202	2996	0.09	ng/ul	93
17) Pyrene	19.65	202	2964	0.08	ng/ul#	94
18) Benzo(a)anthracene	21.39	228	2347	0.08	ng/ul	94
19) Chrysene	21.44	228	2688	0.09	ng/ul	96
21) Benzo(b)fluoranthene	23.00	252	2679	0.09	ng/ul	80
22) Benzo(k)fluoranthene	23.05	252	2304	0.08	ng/ul#	79
23) Benzo(a)pyrene	23.60	252	2354	0.08	ng/ul#	69
24) Indeno(1,2,3-cd)pyrene	26.05	276	2679	0.08	ng/ul	96
25) Dibenzo(a,h)anthracene	26.07	278	2099	0.08	ng/ul#	70
26) Benzo(g,h,i)perylene	26.75	276	2349	0.08	ng/ul#	85

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

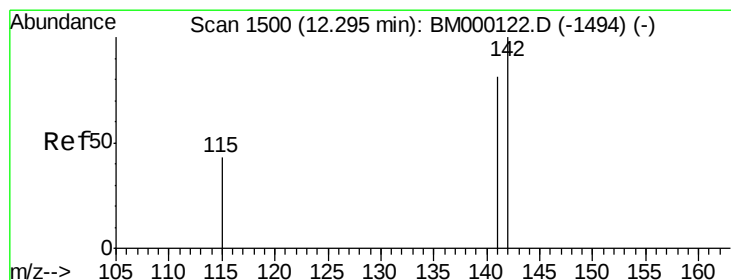
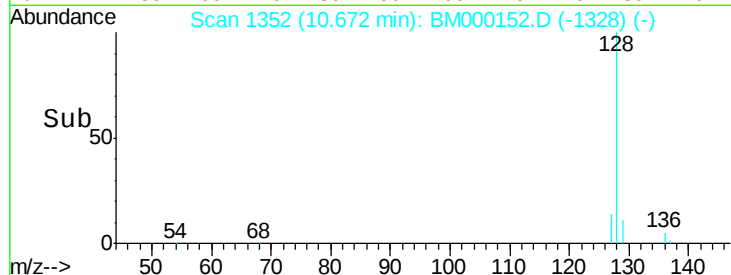
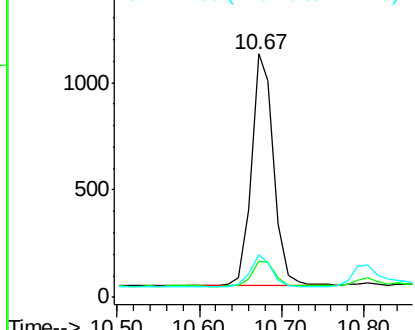


#3
Naphthalene
Concen: 0.09 ng/ul
RT: 10.67 min Scan# 1352
Delta R.T. -0.01 min
Lab File: BM000152.D
Acq: 08 Jan 2015 20:52

Tgt Ion:128 Resp: 2057
Ion Ratio Lower Upper
128 100
129 14.8 9.5 14.3#
127 17.4 10.4 15.6#

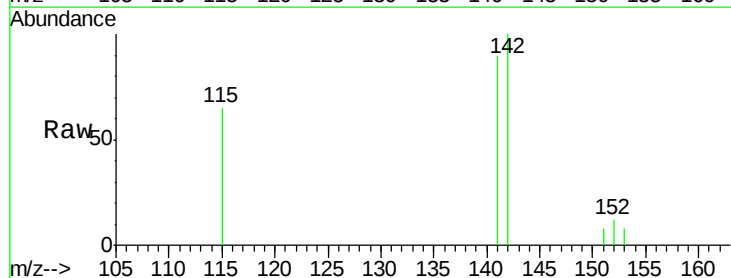


Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E

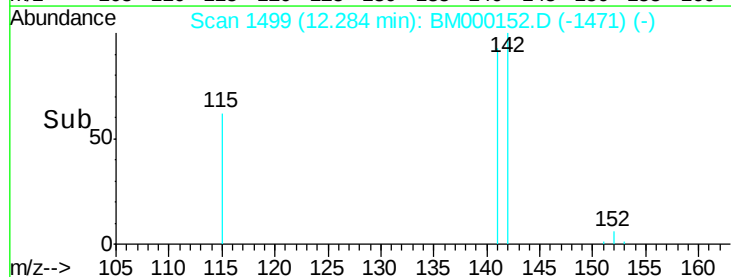
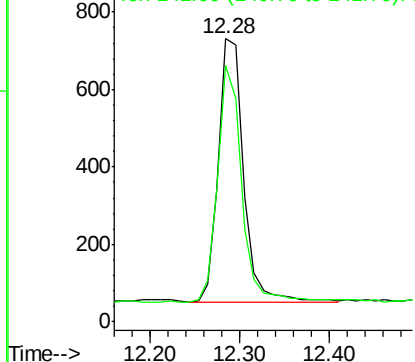


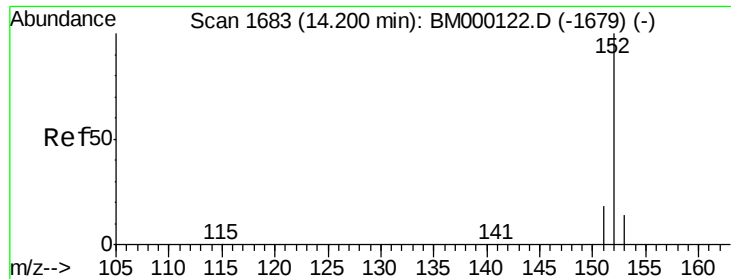
#5
2-Methylnaphthalene
Concen: 0.09 ng/ul
RT: 12.28 min Scan# 1499
Delta R.T. -0.01 min
Lab File: BM000152.D
Acq: 08 Jan 2015 20:52

Tgt Ion:142 Resp: 1335
Ion Ratio Lower Upper
142 100
141 85.2 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: BM000152.D

Acq: 08 Jan 2015 20:52

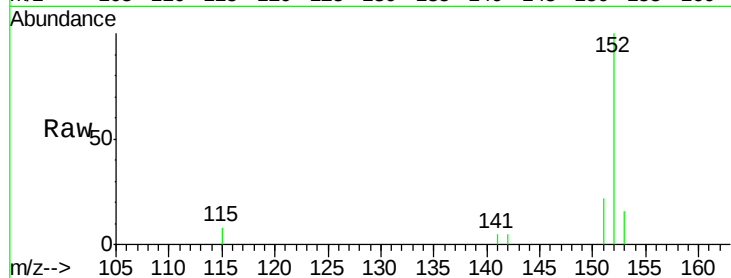
Tgt Ion:152 Resp: 2098

Ion Ratio Lower Upper

152 100

151 21.7 15.4 23.2

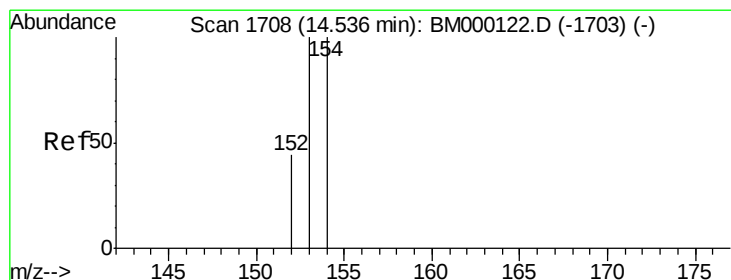
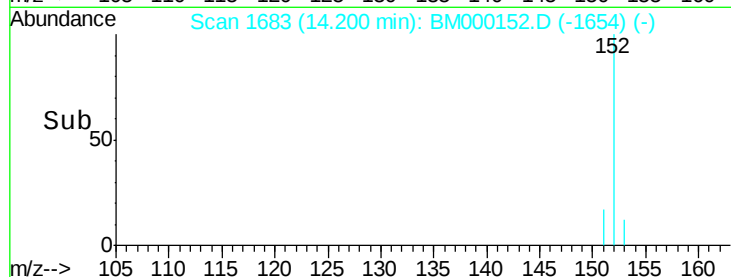
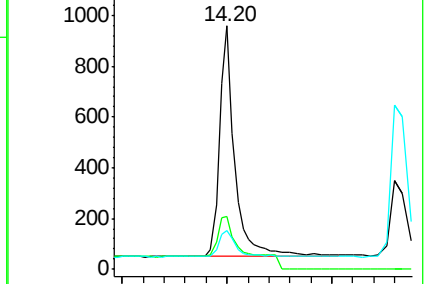
153 16.2 11.0 16.4



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: BM000152.D

Acq: 08 Jan 2015 20:52

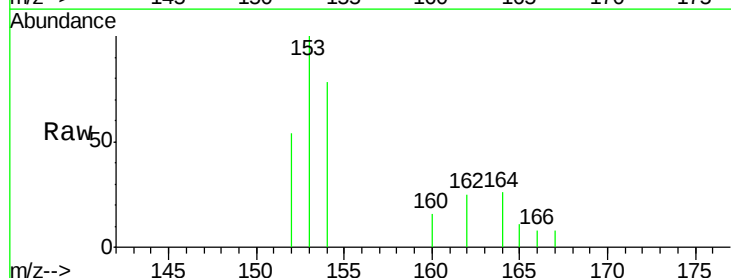
Tgt Ion:153 Resp: 1403

Ion Ratio Lower Upper

153 100

152 53.9 35.8 53.6#

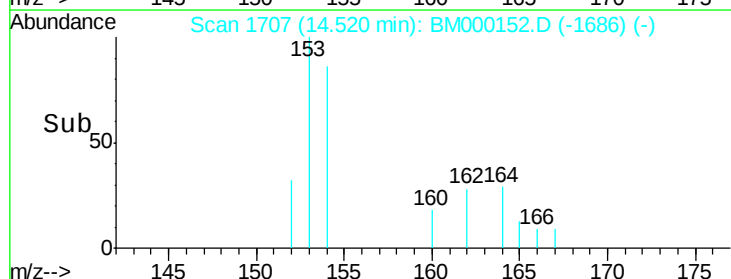
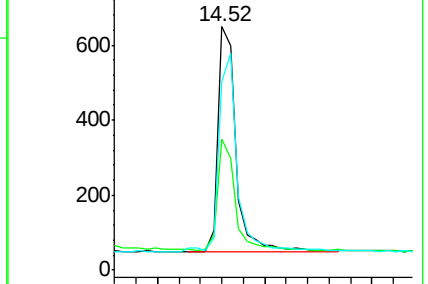
154 77.7 79.9 119.9#

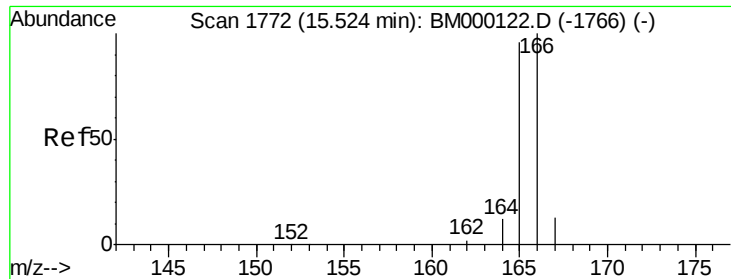


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

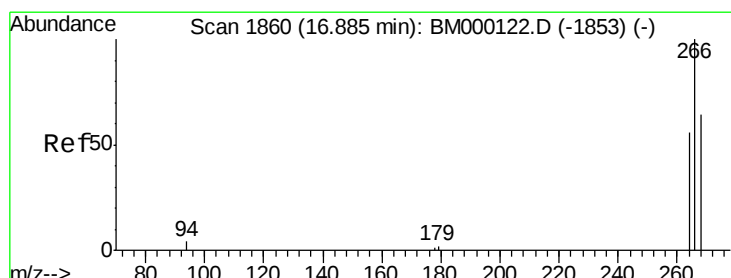
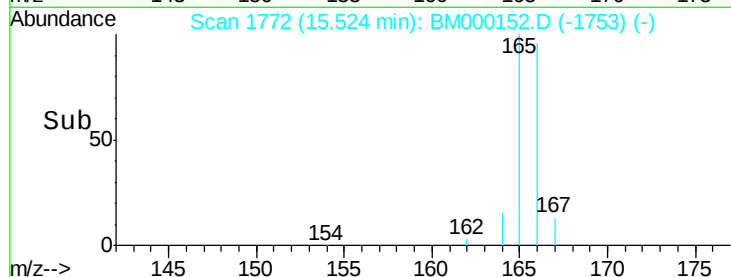
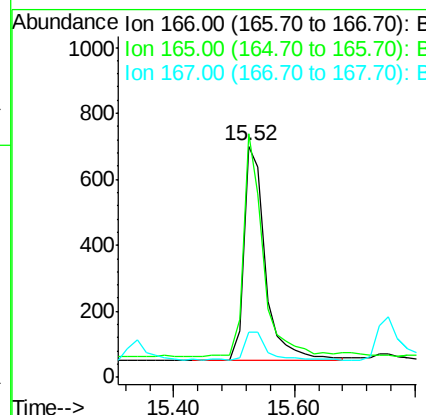
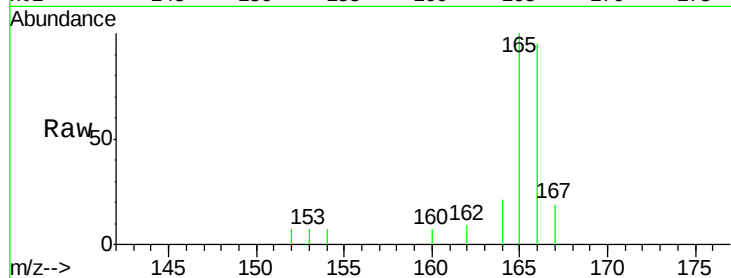
Ion 154.00 (153.70 to 154.70): E





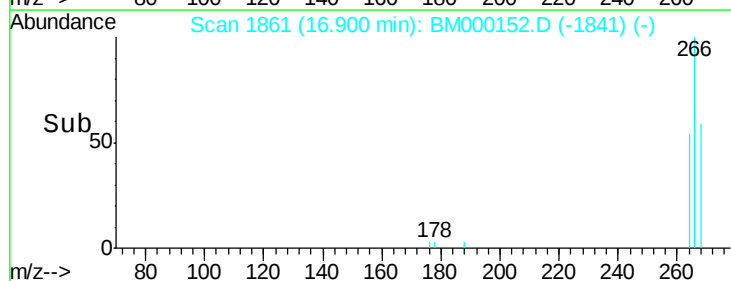
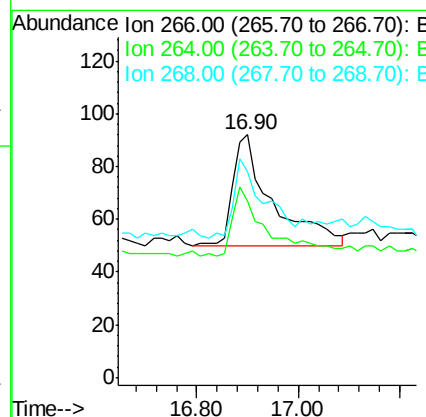
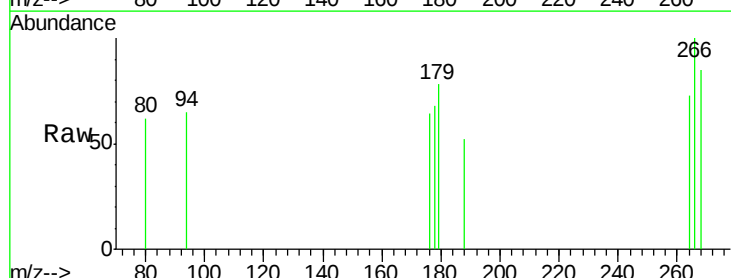
#9
 Fluorene
 Concen: 0.08 ng/ul
 RT: 15.52 min Scan# 1772
 Delta R.T. -0.00 min
 Lab File: BM000152.D
 Acq: 08 Jan 2015 20:52

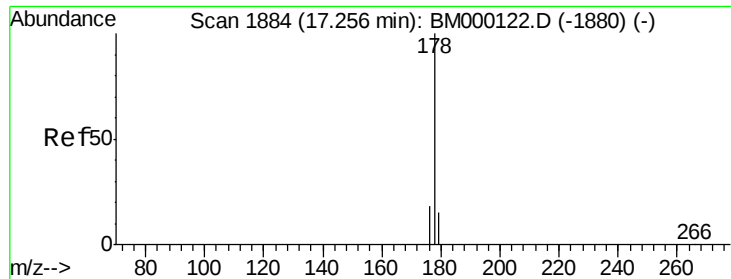
Tgt Ion:166 Resp: 1614
 Ion Ratio Lower Upper
 166 100
 165 105.3 77.0 115.4
 167 19.7 11.0 16.6#



#11
 Pentachlorophenol
 Concen: 0.14 ng/ul
 RT: 16.90 min Scan# 1861
 Delta R.T. 0.02 min
 Lab File: BM000152.D
 Acq: 08 Jan 2015 20:52

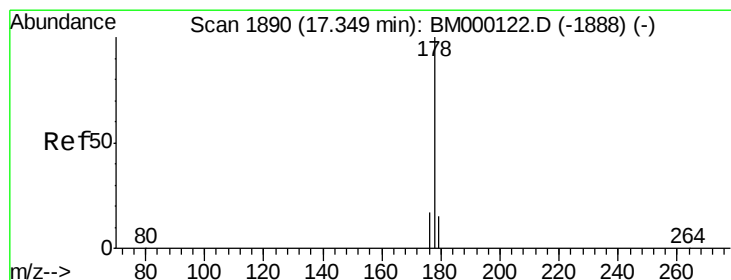
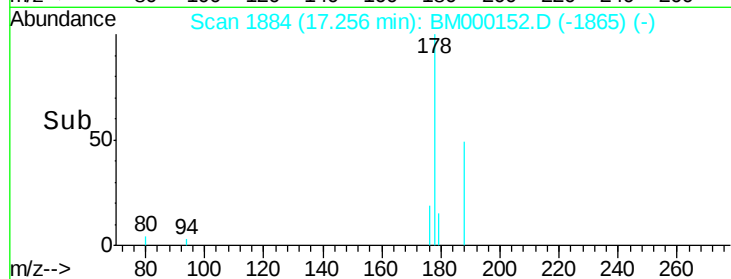
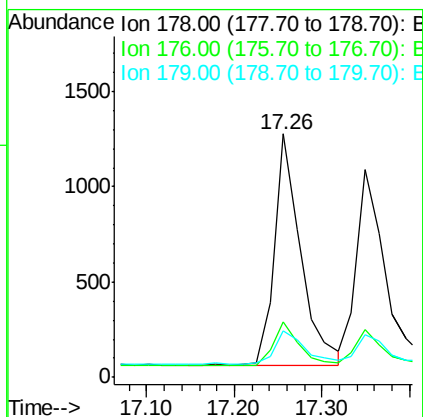
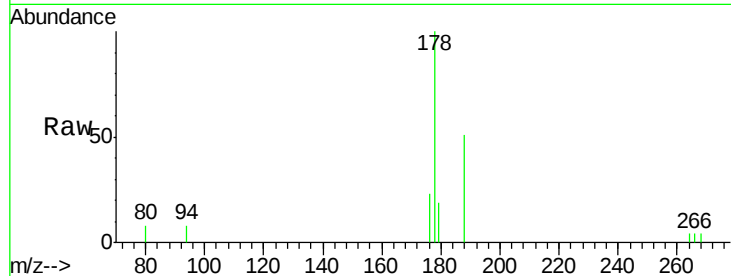
Tgt Ion:266 Resp: 225
 Ion Ratio Lower Upper
 266 100
 264 56.9 53.9 80.9
 268 55.6 49.2 73.8





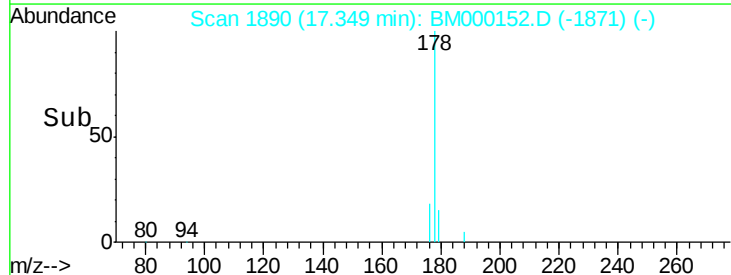
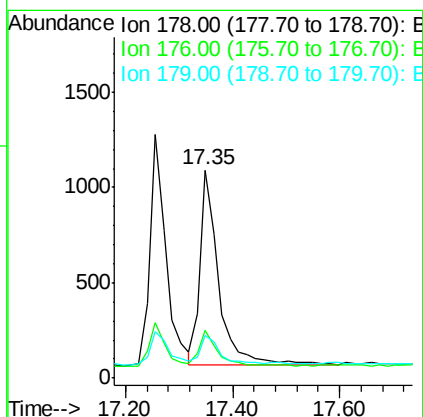
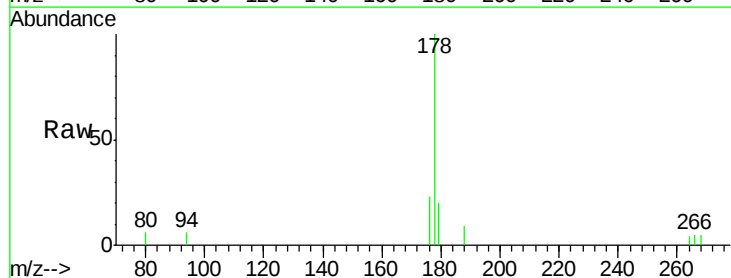
#12
Phenanthrene
Concen: 0.08 ng/ul
RT: 17.26 min Scan# 1884
Delta R.T. -0.00 min
Lab File: BM000152.D
Acq: 08 Jan 2015 20:52

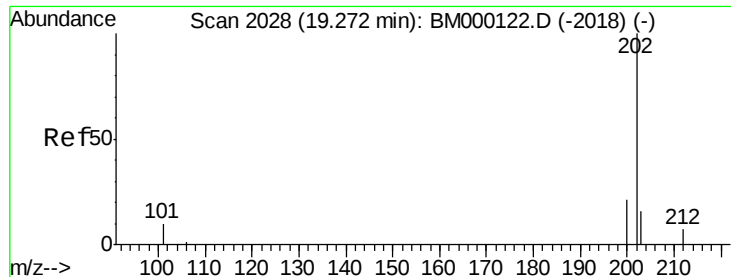
Tgt Ion:178 Resp: 2512
Ion Ratio Lower Upper
178 100
176 23.0 15.1 22.7#
179 19.2 13.0 19.4



#13
Anthracene
Concen: 0.08 ng/ul
RT: 17.35 min Scan# 1890
Delta R.T. -0.00 min
Lab File: BM000152.D
Acq: 08 Jan 2015 20:52

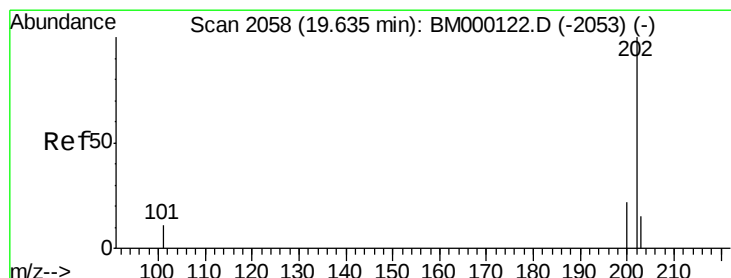
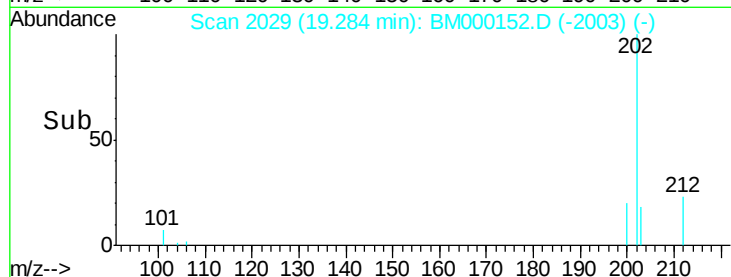
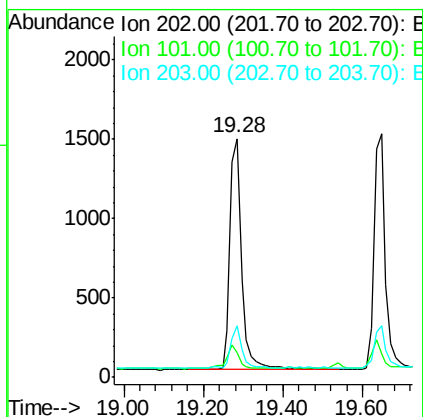
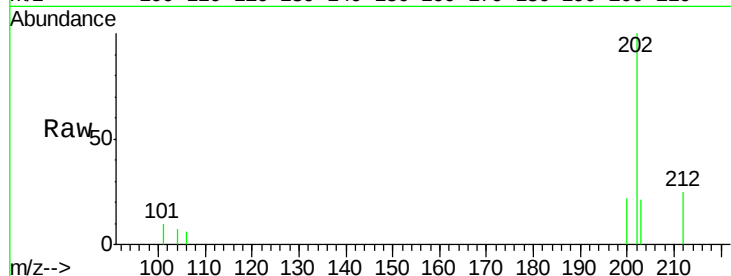
Tgt Ion:178 Resp: 2479
Ion Ratio Lower Upper
178 100
176 23.0 14.6 21.8#
179 20.3 13.1 19.7#





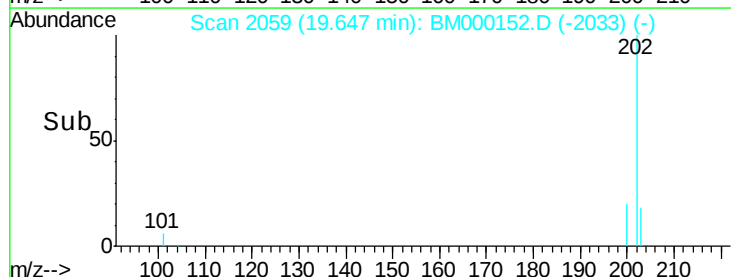
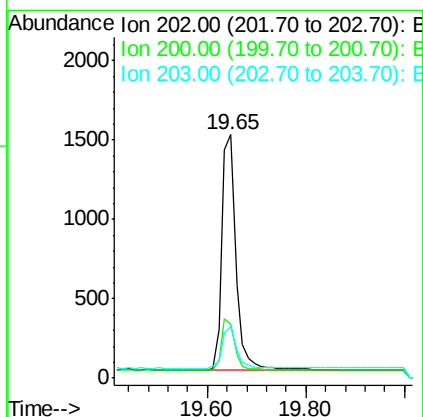
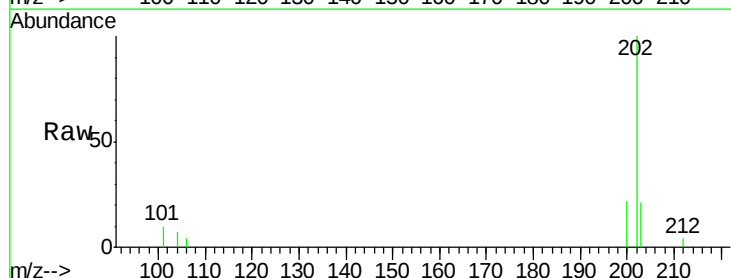
#15
Fluoranthene
 Concen: 0.09 ng/ul
 RT: 19.28 min Scan# 2029
 Delta R.T. 0.01 min
 Lab File: BM000152.D
 Acq: 08 Jan 2015 20:52

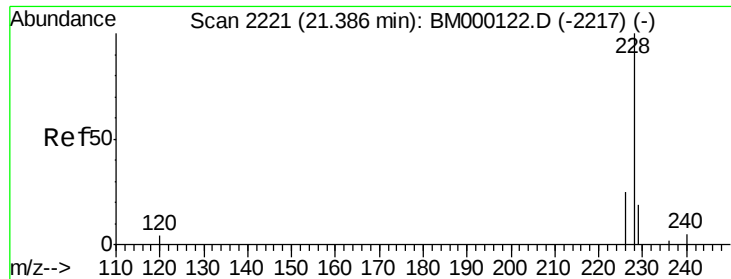
Tgt Ion:	202	Resp:	2996
Ion	Ratio	Lower	Upper
202	100		
101	10.2	0.0	30.5
203	21.5	0.0	36.6



#17
Pyrene
 Concen: 0.08 ng/ul
 RT: 19.65 min Scan# 2059
 Delta R.T. 0.01 min
 Lab File: BM000152.D
 Acq: 08 Jan 2015 20:52

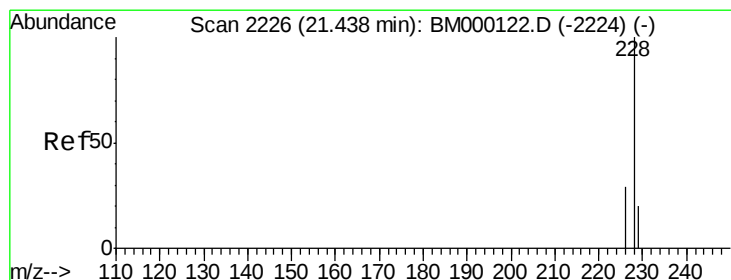
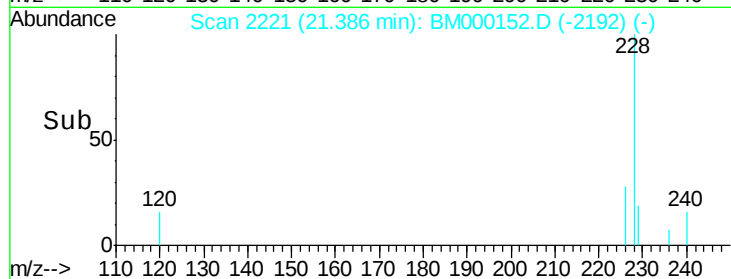
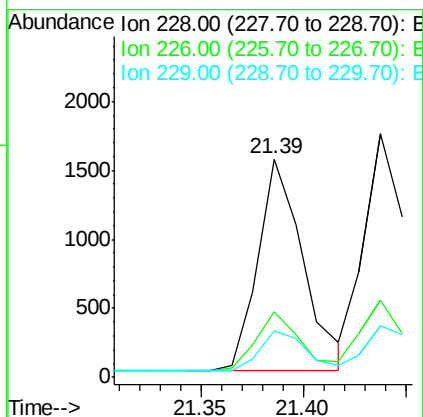
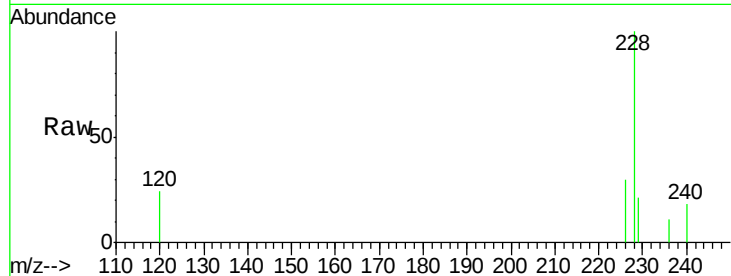
Tgt Ion:	202	Resp:	2964
Ion	Ratio	Lower	Upper
202	100		
200	22.0	17.9	26.9
203	21.4	12.8	19.2#





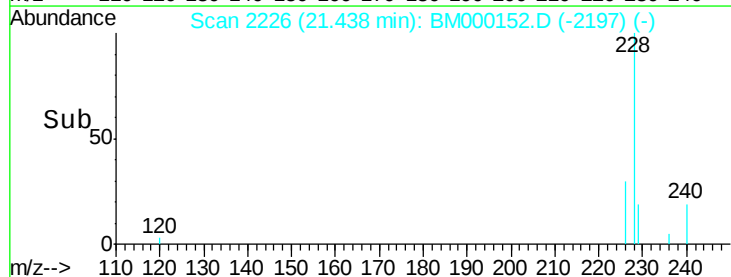
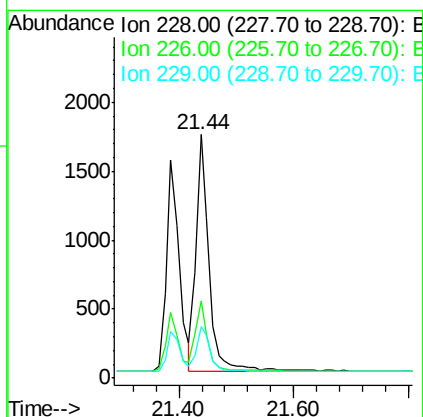
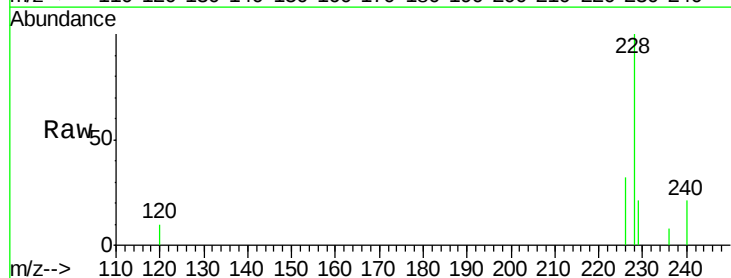
#18
Benzo(a)anthracene
Concen: 0.08 ng/ul
RT: 21.39 min Scan# 2221
Delta R.T. -0.00 min
Lab File: BM000152.D
Acq: 08 Jan 2015 20:52

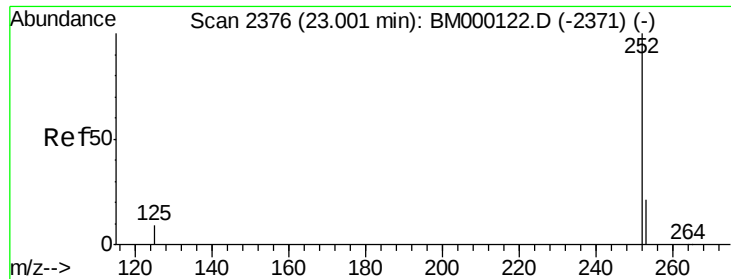
Tgt Ion:228 Resp: 2347
Ion Ratio Lower Upper
228 100
226 30.3 20.8 31.2
229 21.1 15.5 23.3



#19
Chrysene
Concen: 0.09 ng/ul
RT: 21.44 min Scan# 2226
Delta R.T. -0.00 min
Lab File: BM000152.D
Acq: 08 Jan 2015 20:52

Tgt Ion:228 Resp: 2688
Ion Ratio Lower Upper
228 100
226 31.8 23.8 35.6
229 21.4 15.8 23.8





#21

Benzo(b)fluoranthene

Concen: 0.09 ng/u1

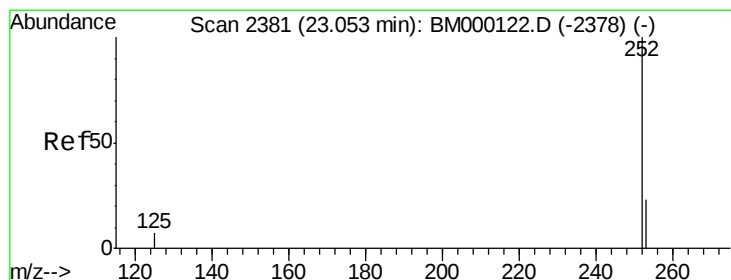
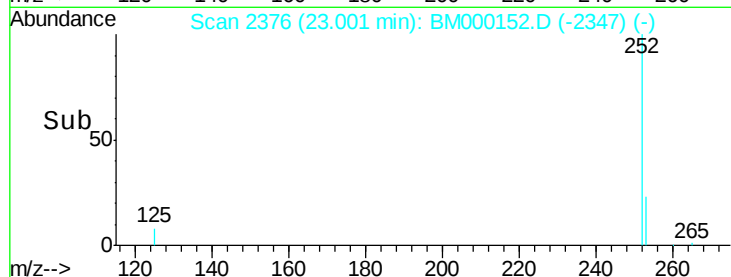
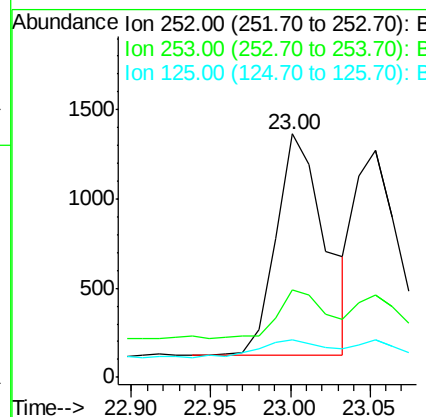
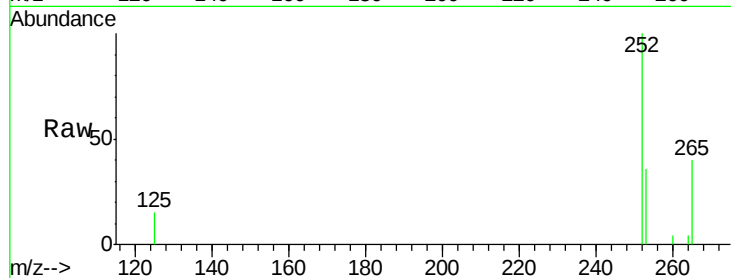
RT: 23.00 min Scan# 2376

Delta R.T. -0.00 min

Lab File: BM000152.D

Acq: 08 Jan 2015 20:52

Tgt Ion:	252	Resp:	2679
Ion	Ratio	Lower	Upper
252	100		
253	35.9	0.0	48.2
125	15.2	0.0	21.6



#22

Benzo(k)fluoranthene

Concen: 0.08 ng/u1

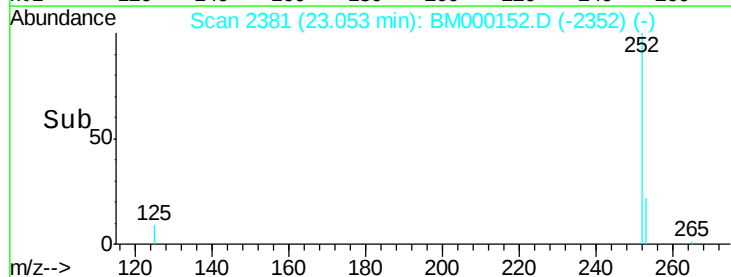
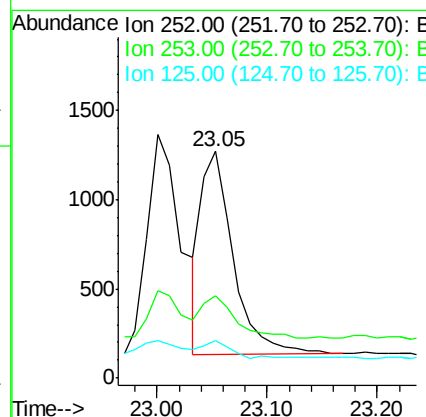
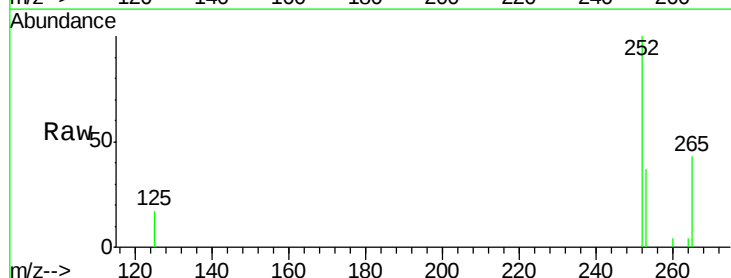
RT: 23.05 min Scan# 2381

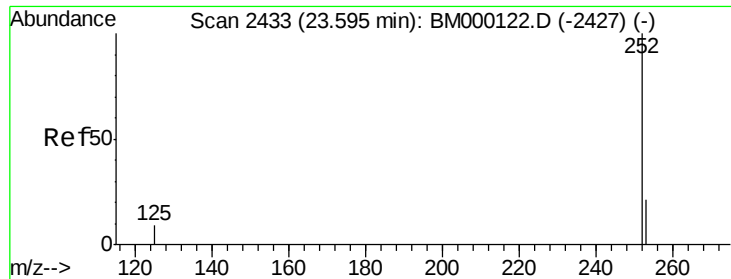
Delta R.T. -0.00 min

Lab File: BM000152.D

Acq: 08 Jan 2015 20:52

Tgt Ion:	252	Resp:	2304
Ion	Ratio	Lower	Upper
252	100		
253	36.6	20.5	30.7#
125	16.8	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: BM000152.D

Acq: 08 Jan 2015 20:52

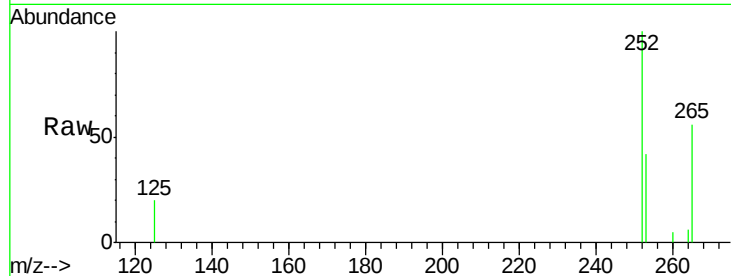
Tgt Ion: 252 Resp: 2354

Ion Ratio Lower Upper

252 100

253 42.4 19.8 29.6#

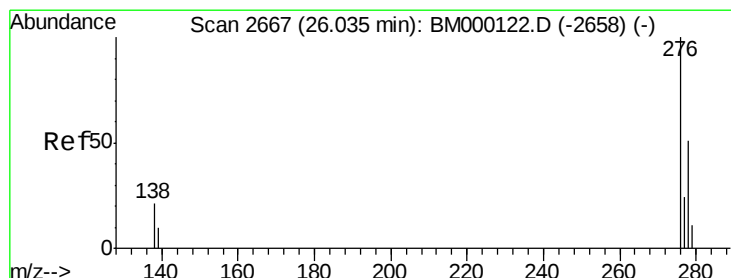
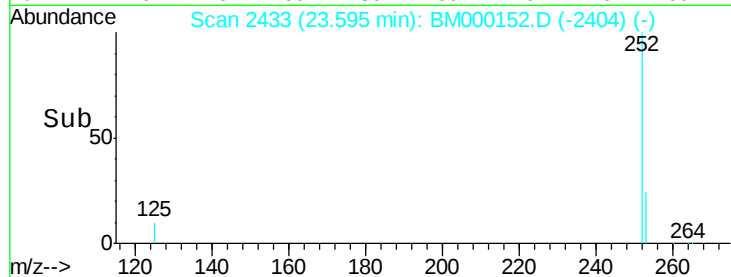
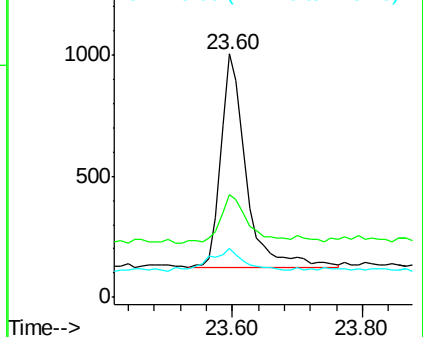
125 20.2 9.2 13.8#



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: 26.05 min Scan# 2668

Delta R.T. 0.01 min

Lab File: BM000152.D

Acq: 08 Jan 2015 20:52

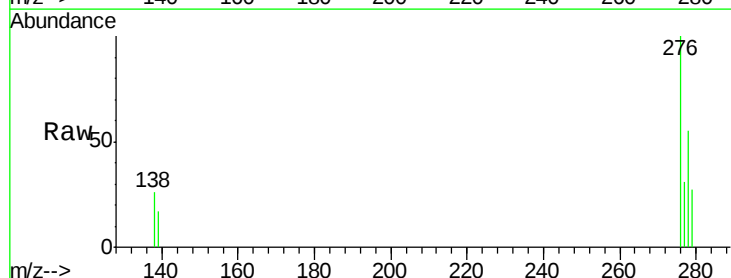
Tgt Ion: 276 Resp: 2679

Ion Ratio Lower Upper

276 100

138 18.4 17.6 26.4

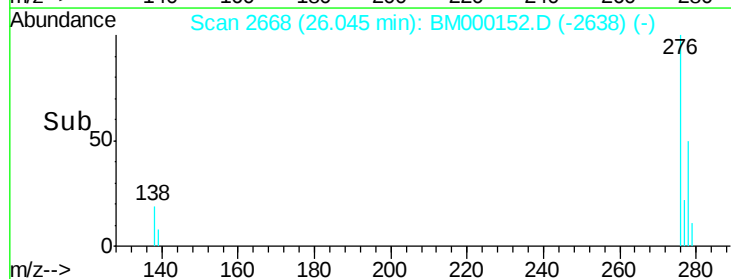
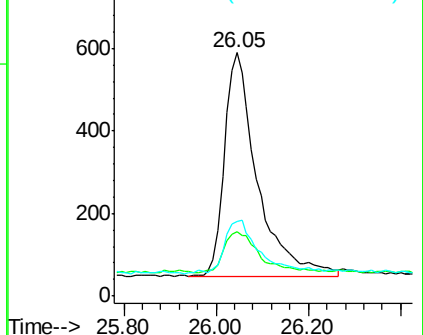
277 24.4 19.9 29.9

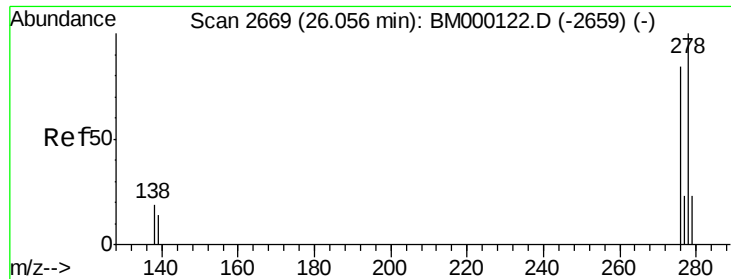


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

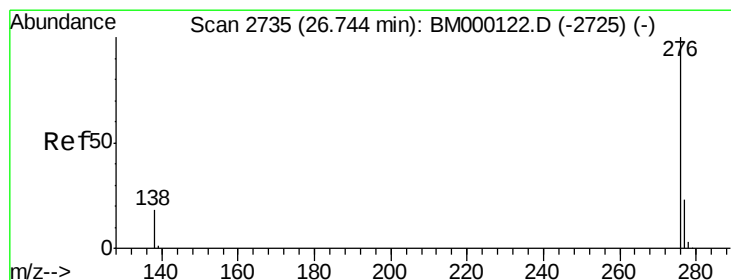
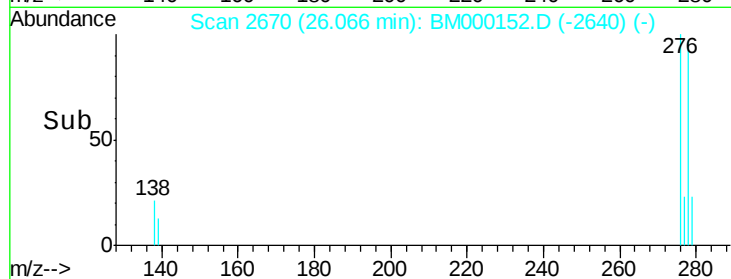
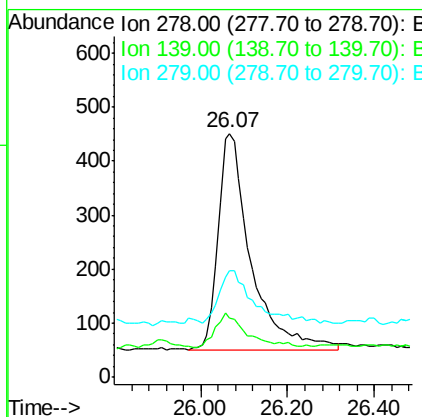
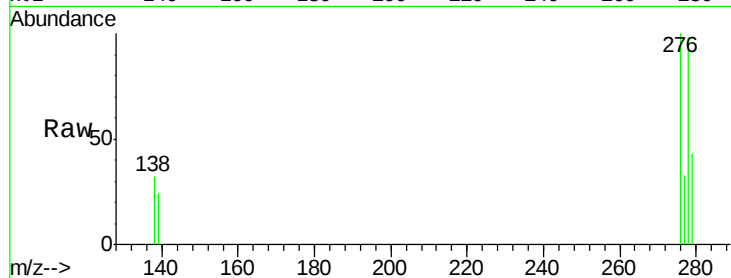




#25
Dibenzo(a,h)anthracene
Concen: 0.08 ng/ul
RT: 26.07 min Scan# 2670
Delta R.T. 0.01 min
Lab File: BM000152.D
Acq: 08 Jan 2015 20:52

Tgt Ion: 278 Resp: 2099

Ion	Ratio	Lower	Upper
278	100		
139	24.4	12.6	18.8#
279	43.9	20.6	30.8#



#26
Benzo(g,h,i)perylene
Concen: 0.08 ng/ul
RT: 26.75 min Scan# 2736
Delta R.T. 0.01 min
Lab File: BM000152.D
Acq: 08 Jan 2015 20:52

Tgt Ion: 276 Resp: 2349

Ion	Ratio	Lower	Upper
276	100		
277	32.0	20.0	30.0#
138	26.7	15.7	23.5#

