

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM010915\
 Data File : BM000158.D
 Acq On : 09 Jan 2015 14:53
 Operator : TP/IZ
 Sample : MDL-03-S
 Misc : MDL-SOIL-0.15PPM-SIM
 ALS Vial : 36 Sample Multiplier: 1

Quant Time: Jan 09 22:11:03 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	2700	0.40	ng/ul	0.00
2) Naphthalene-d8	10.62	136	8797	0.40	ng/ul	-0.01
6) Acenaphthene-d10	14.47	164	5480	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.21	188	10167	0.40	ng/ul	0.00
16) Chrysene-d12	21.41	240	8843	0.40	ng/ul	0.00
20) Perylene-d12	23.69	264	8066	0.40	ng/ul	-0.01

System Monitoring Compounds

4) 2-Methylnaphthalene-d10	12.21	152	4082	0.35	ng/ul	-0.01
14) Fluoranthene-d10	19.25	212	6672	0.30	ng/ul	0.00

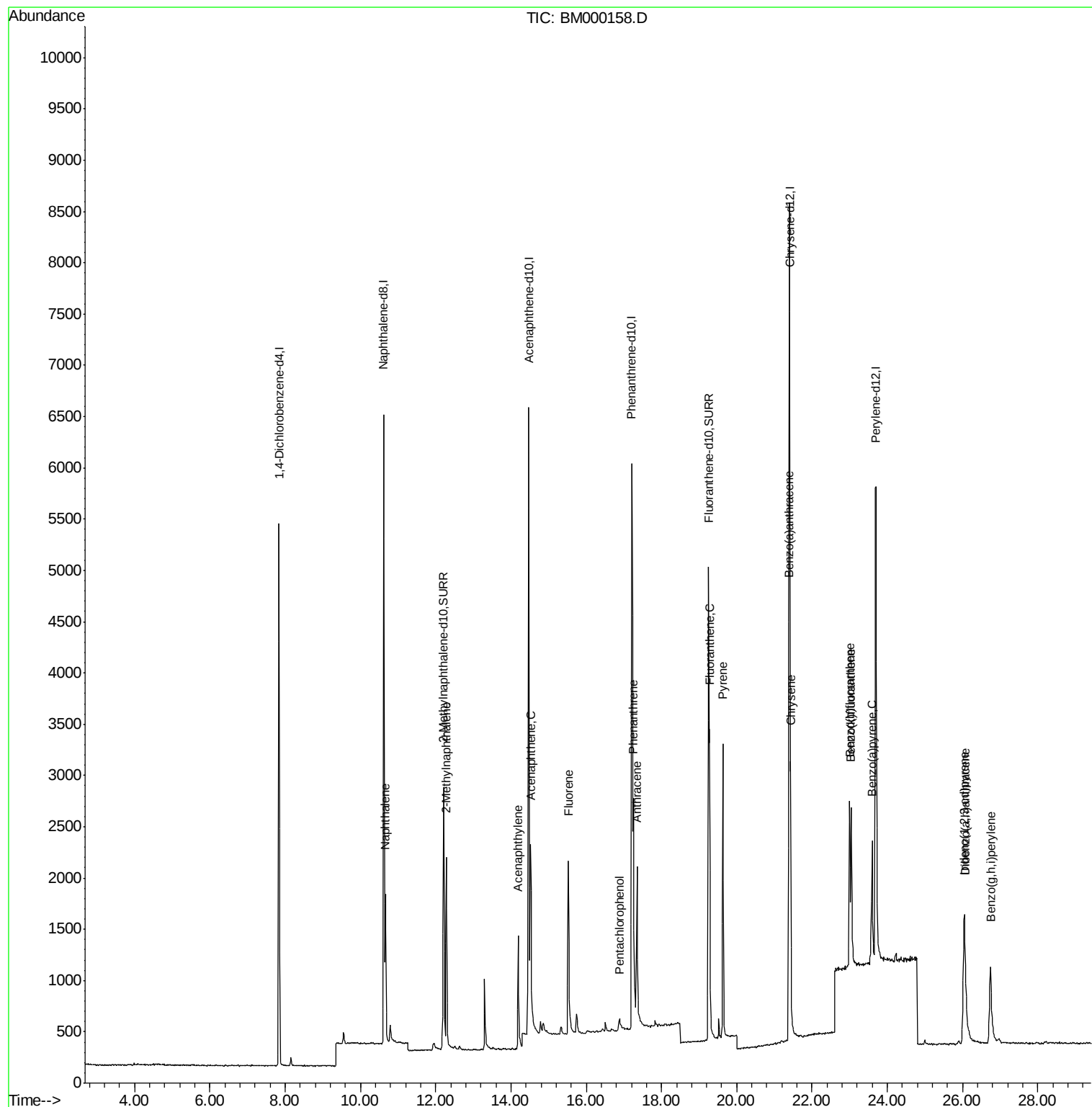
Target Compounds

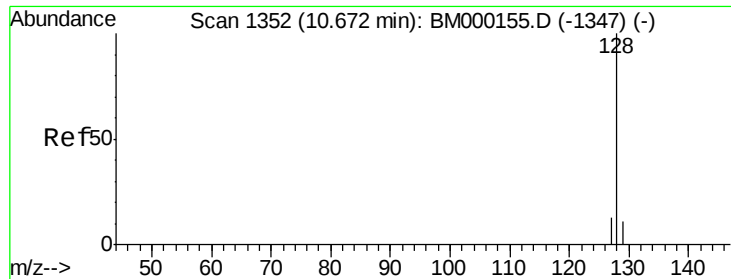
						Qvalue
3) Naphthalene	10.67	128	2102	0.09	ng/ul#	91
5) 2-Methylnaphthalene	12.28	142	1346	0.09	ng/ul	99
7) Acenaphthylene	14.20	152	2180	0.08	ng/ul#	92
8) Acenaphthene	14.52	153	1365	0.08	ng/ul#	82
9) Fluorene	15.52	166	1614	0.08	ng/ul#	94
11) Pentachlorophenol	16.89	266	216	0.14	ng/ul	96
12) Phenanthrene	17.26	178	2570	0.08	ng/ul#	91
13) Anthracene	17.35	178	2421	0.08	ng/ul#	92
15) Fluoranthene	19.27	202	2919	0.08	ng/ul	96
17) Pyrene	19.64	202	3089	0.08	ng/ul	97
18) Benzo(a)anthracene	21.39	228	2303	0.08	ng/ul#	94
19) Chrysene	21.44	228	2717	0.09	ng/ul	95
21) Benzo(b)fluoranthene	23.00	252	2541	0.08	ng/ul	79
22) Benzo(k)fluoranthene	23.04	252	2447	0.08	ng/ul#	80
23) Benzo(a)pyrene	23.60	252	2312	0.08	ng/ul#	69
24) Indeno(1,2,3-cd)pyrene	26.03	276	2626	0.08	ng/ul	97
25) Dibenzo(a,h)anthracene	26.06	278	2022	0.08	ng/ul#	70
26) Benzo(g,h,i)perylene	26.74	276	2357	0.08	ng/ul#	88

(#) = 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: BM000158.D

Acq: 09 Jan 2015 14:53

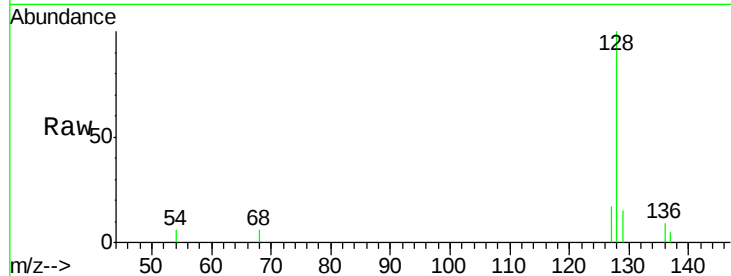
Tgt Ion:128 Resp: 2102

Ion Ratio Lower Upper

128 100

129 14.7 9.5 14.3#

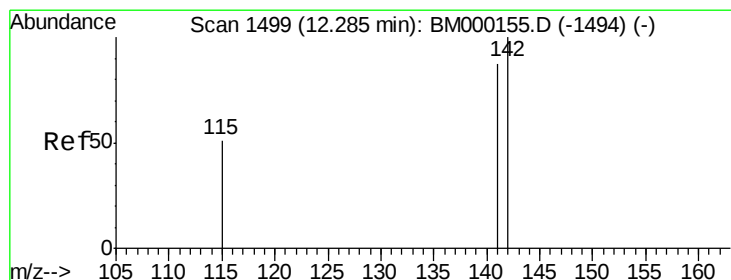
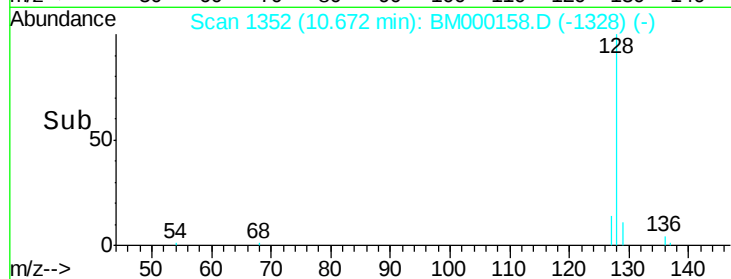
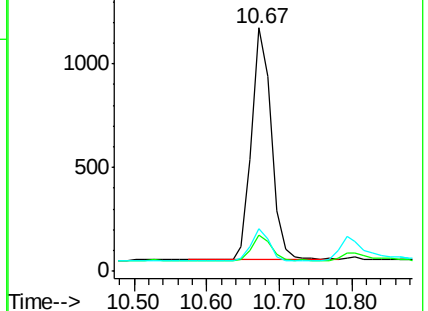
127 17.4 10.4 15.6#



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: BM000158.D

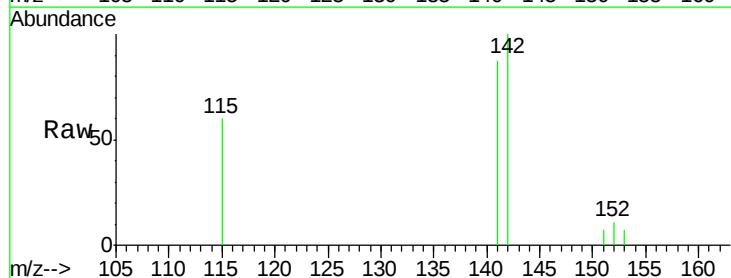
Acq: 09 Jan 2015 14:53

Tgt Ion:142 Resp: 1346

Ion Ratio Lower Upper

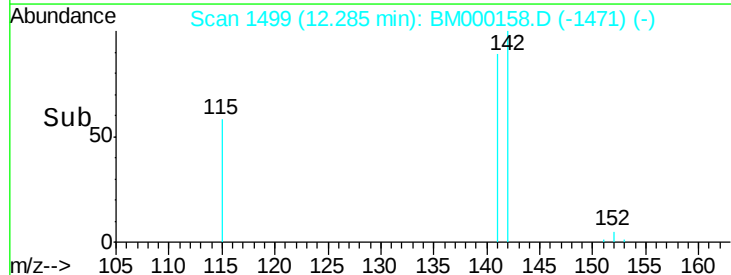
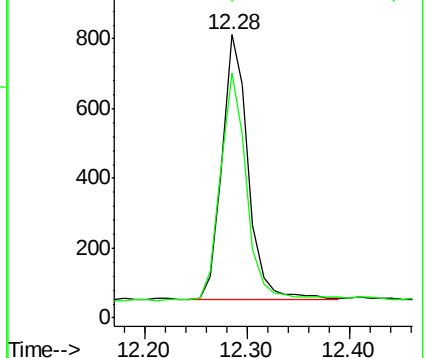
142 100

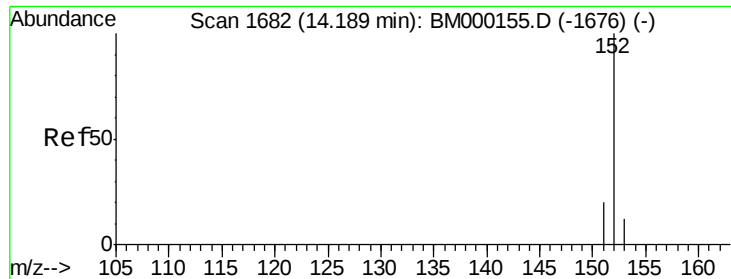
141 86.9 68.9 103.3



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: BM000158.D

Acq: 09 Jan 2015 14:53

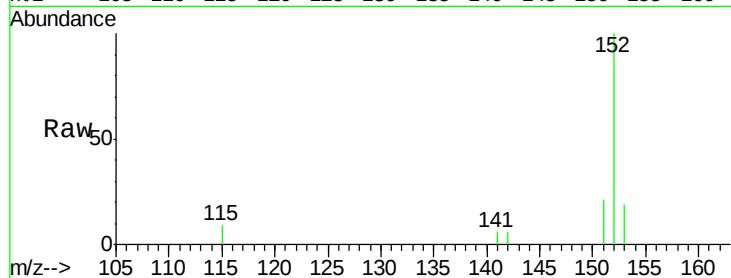
Tgt Ion: 152 Resp: 2180

Ion Ratio Lower Upper

152 100

151 21.2 15.4 23.2

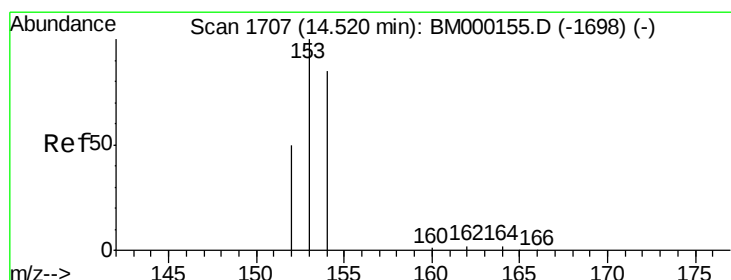
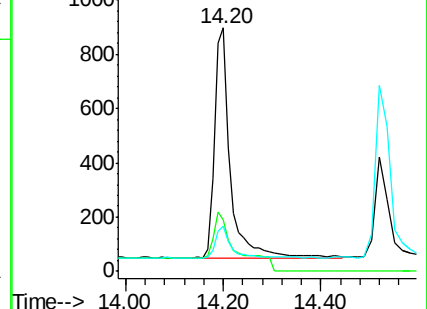
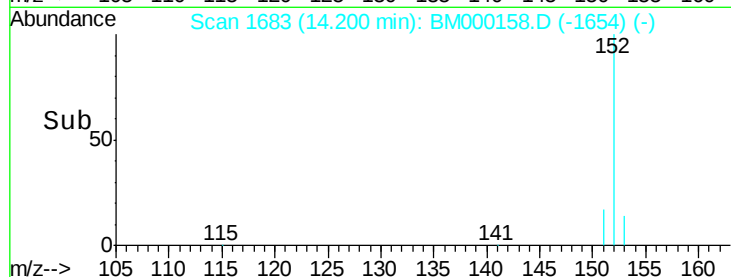
153 18.8 11.0 16.4#



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: BM000158.D

Acq: 09 Jan 2015 14:53

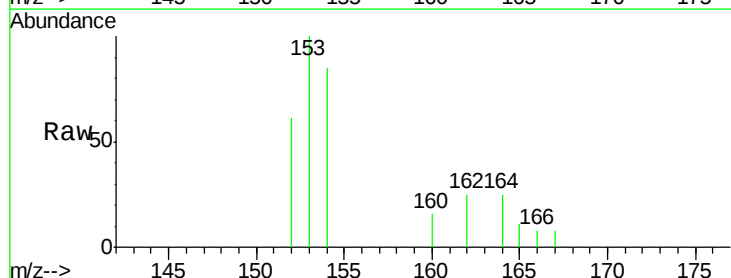
Tgt Ion: 153 Resp: 1365

Ion Ratio Lower Upper

153 100

152 61.1 35.8 53.6#

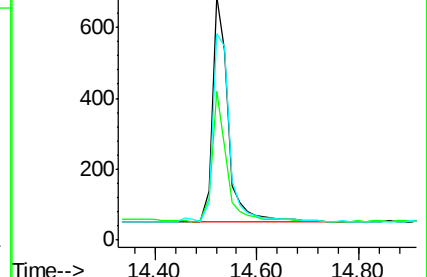
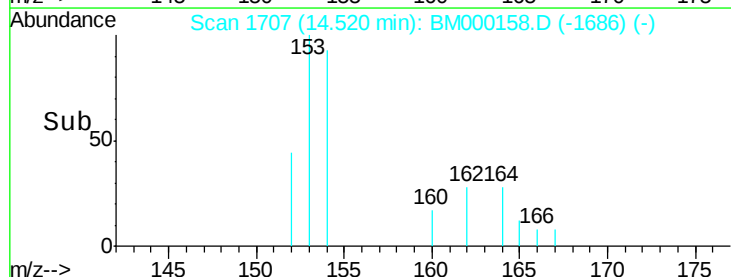
154 84.6 79.9 119.9

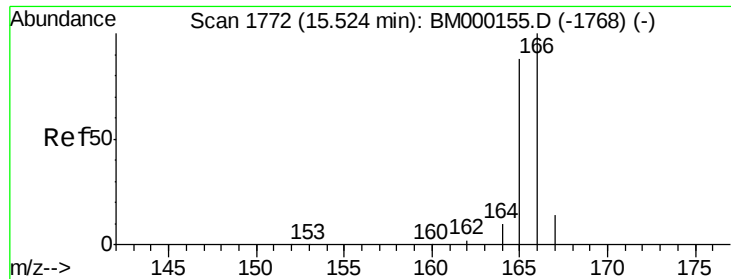


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

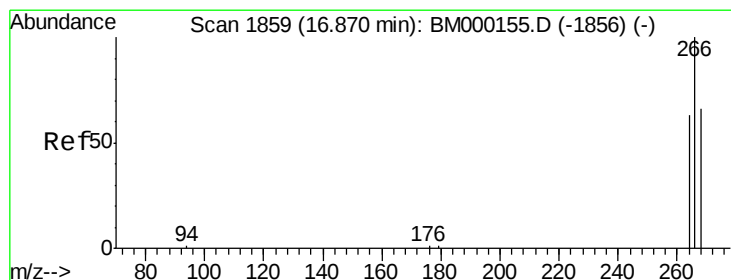
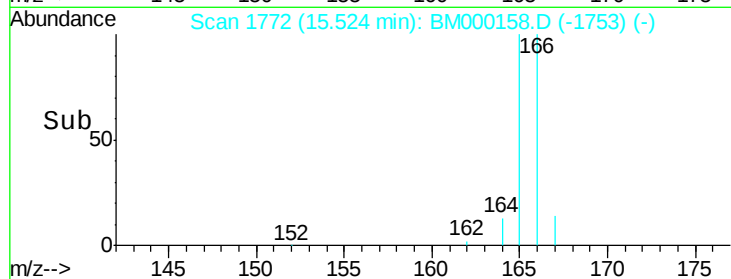
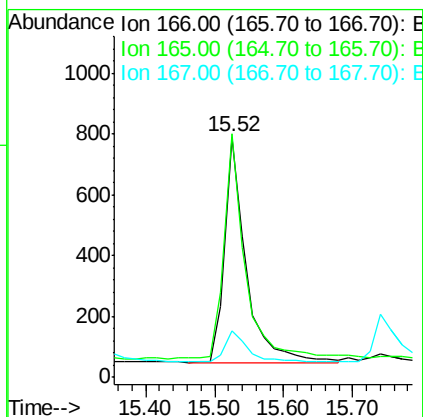
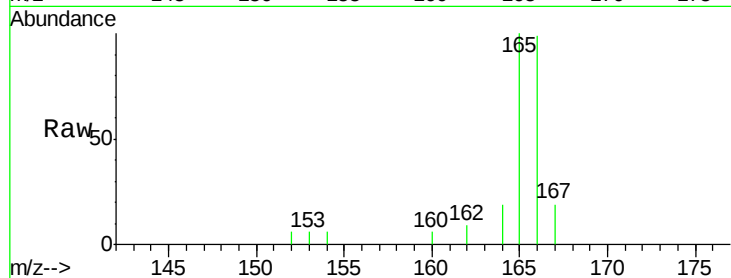
Ion 154.00 (153.70 to 154.70): E





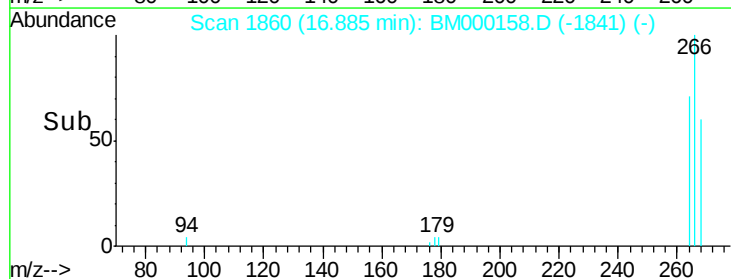
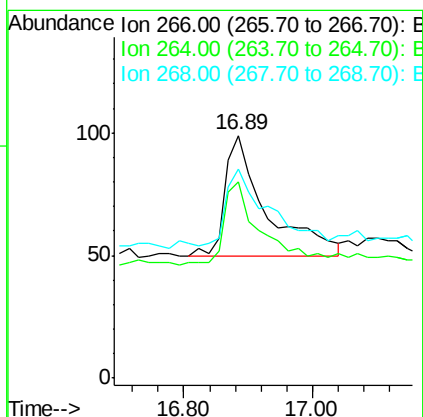
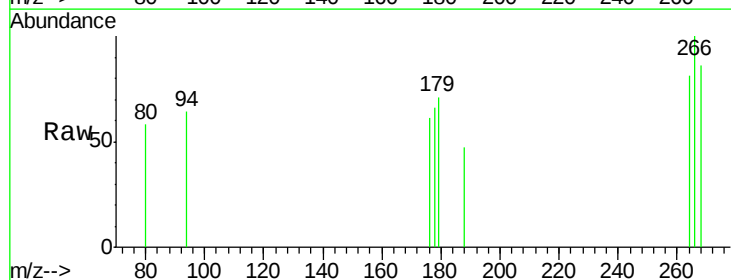
#9
Fluorene
 Concen: 0.08 ng/ul
 RT: 15.52 min Scan# 1772
 Delta R.T. 0.00 min
 Lab File: BM000158.D
 Acq: 09 Jan 2015 14:53

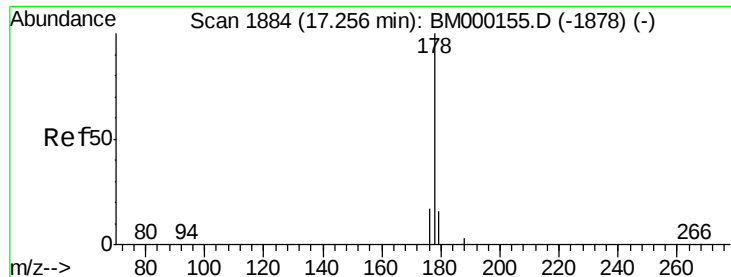
Tgt Ion: 166 Resp: 1614
 Ion Ratio Lower Upper
 166 100
 165 101.4 77.0 115.4
 167 19.5 11.0 16.6#



#11
Pentachlorophenol
 Concen: 0.14 ng/ul
 RT: 16.89 min Scan# 1860
 Delta R.T. 0.00 min
 Lab File: BM000158.D
 Acq: 09 Jan 2015 14:53

Tgt Ion: 266 Resp: 216
 Ion Ratio Lower Upper
 266 100
 264 65.3 53.9 80.9
 268 66.2 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: BM000158.D

Acq: 09 Jan 2015 14:53

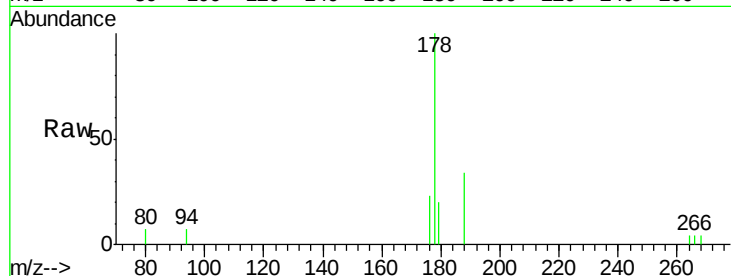
Tgt Ion:178 Resp: 2570

Ion Ratio Lower Upper

178 100

176 22.8 15.1 22.7#

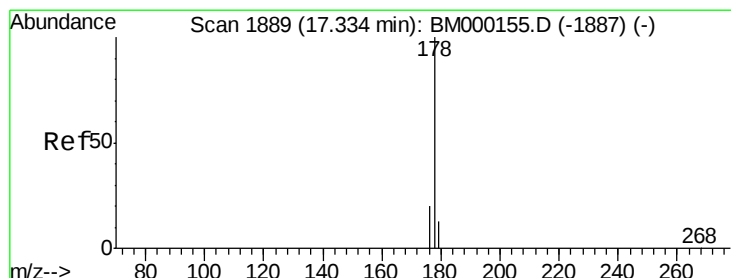
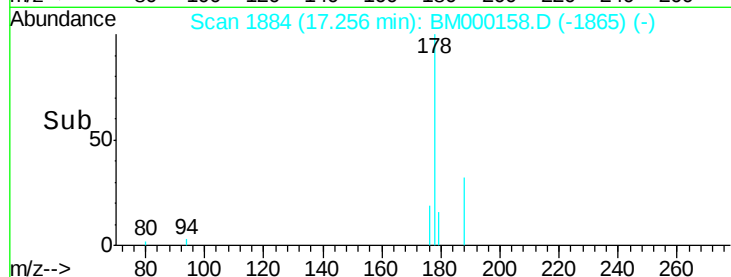
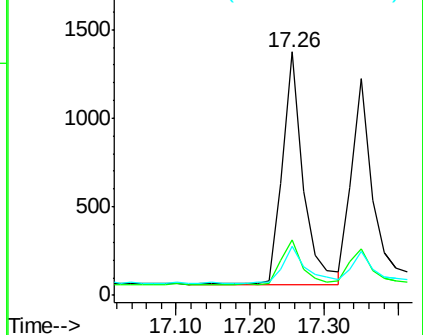
179 20.2 13.0 19.4#



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: BM000158.D

Acq: 09 Jan 2015 14:53

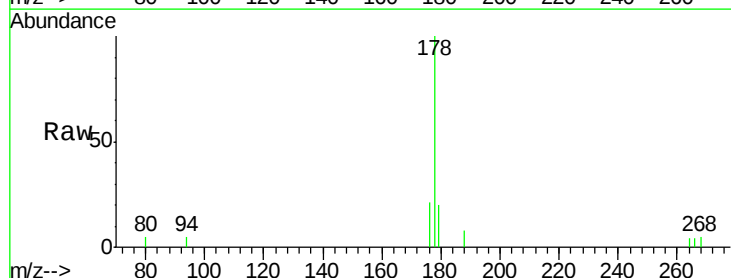
Tgt Ion:178 Resp: 2421

Ion Ratio Lower Upper

178 100

176 21.5 14.6 21.8

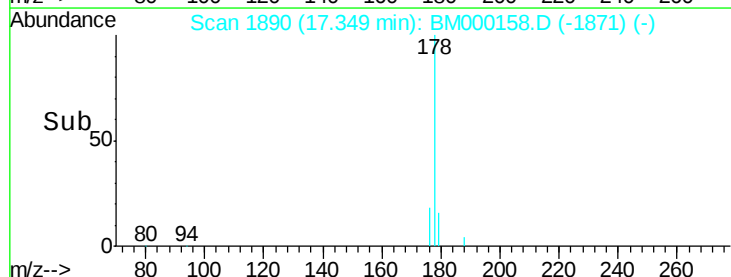
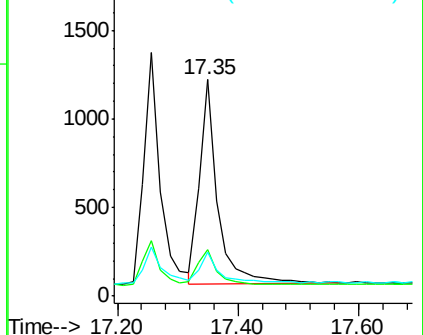
179 20.5 13.1 19.7#

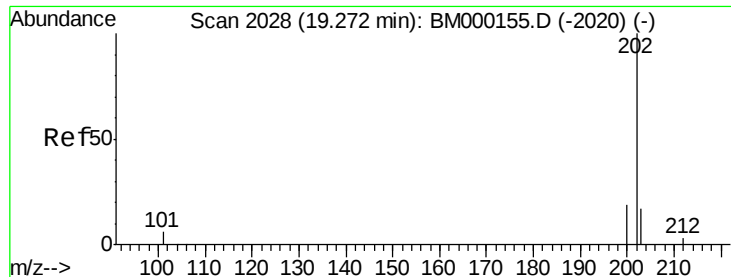


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

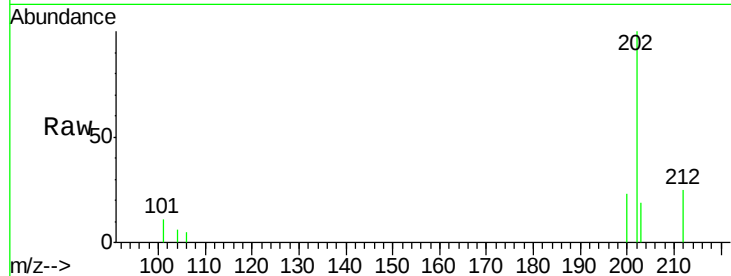
Ion 179.00 (178.70 to 179.70): E



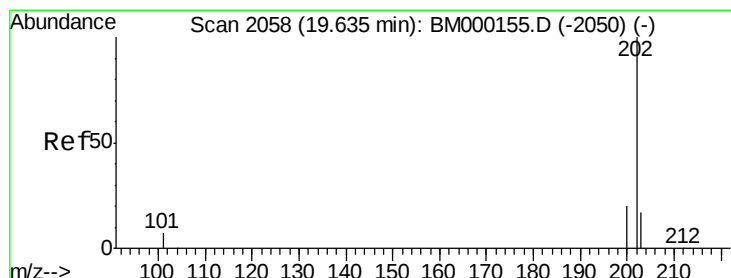
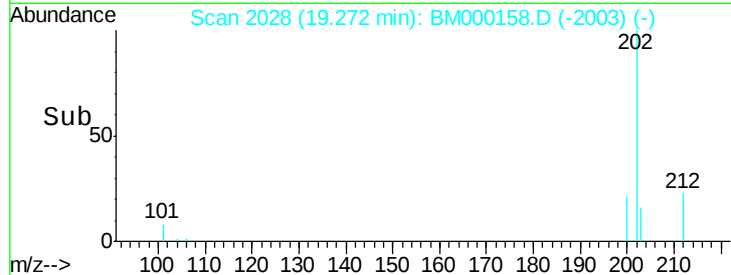
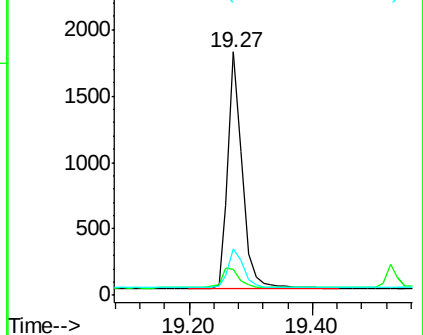


#15
Fluoranthene
Concen: 0.08 ng/ul
RT: 19.27 min Scan# 2028
Delta R.T. 0.00 min
Lab File: BM000158.D
Acq: 09 Jan 2015 14:53

Tgt Ion: 202 Resp: 2919
Ion Ratio Lower Upper
202 100
101 10.5 0.0 30.5
203 19.3 0.0 36.6

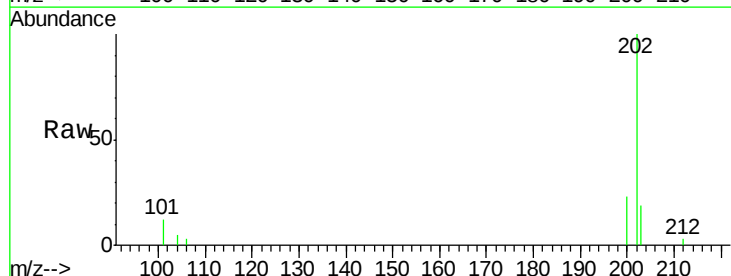


Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 203.00 (202.70 to 203.70): E

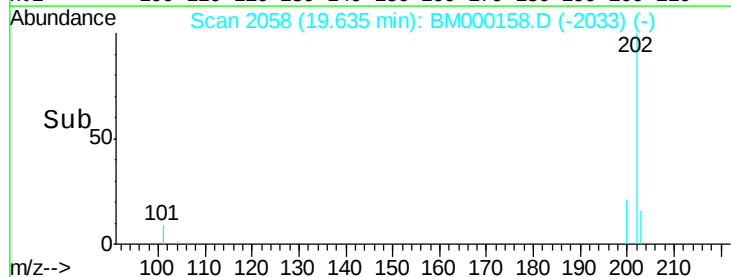
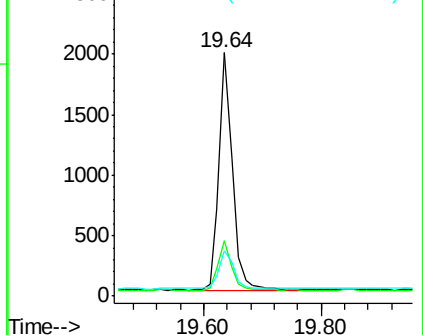


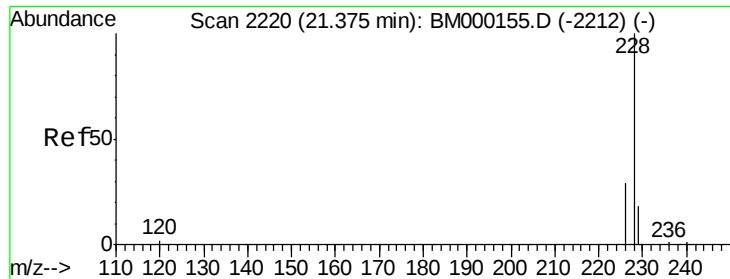
#17
Pyrene
Concen: 0.08 ng/ul
RT: 19.64 min Scan# 2058
Delta R.T. 0.00 min
Lab File: BM000158.D
Acq: 09 Jan 2015 14:53

Tgt Ion: 202 Resp: 3089
Ion Ratio Lower Upper
202 100
200 22.6 17.9 26.9
203 18.8 12.8 19.2



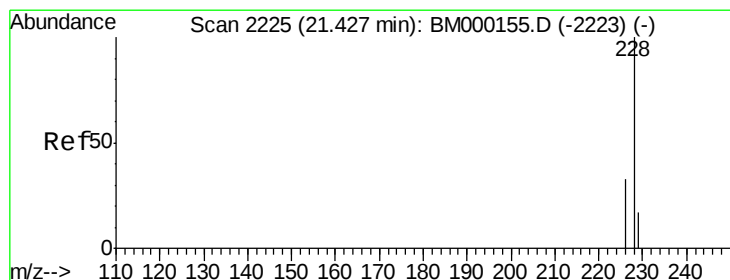
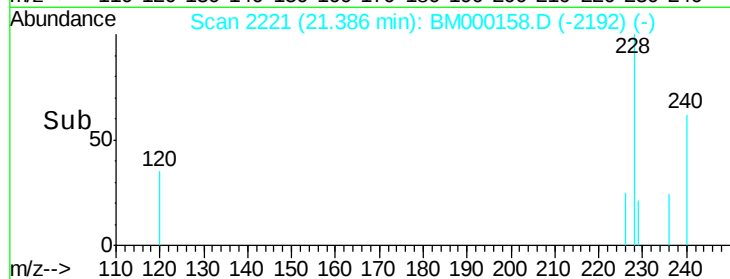
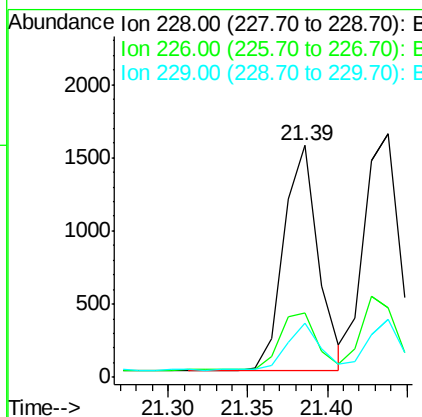
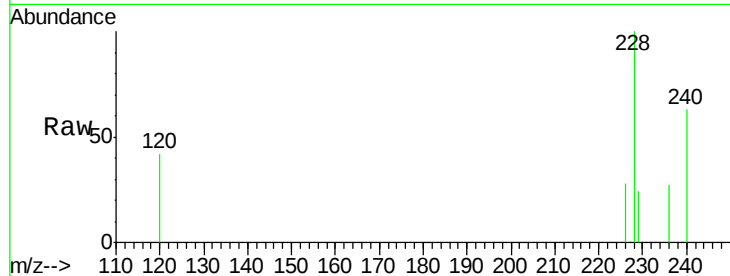
Abundance Ion 202.00 (201.70 to 202.70): E
Ion 200.00 (199.70 to 200.70): E
Ion 203.00 (202.70 to 203.70): E





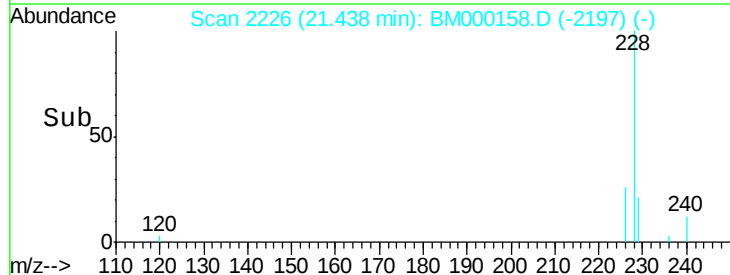
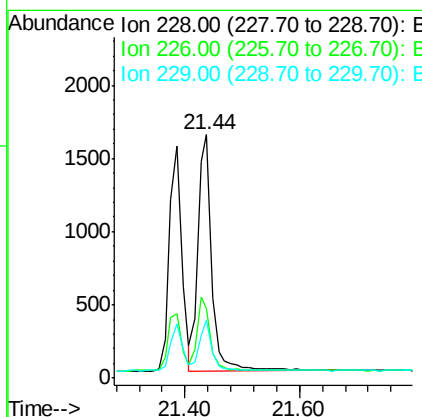
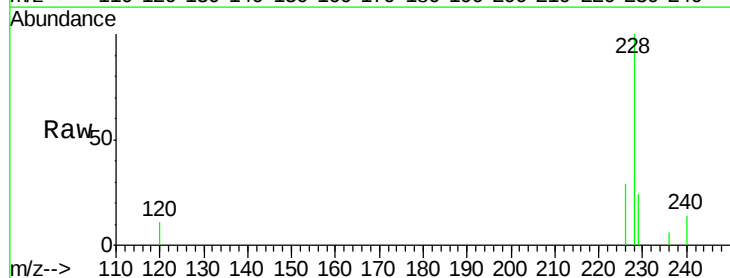
#18
Benzo(a)anthracene
Concen: 0.08 ng/ul
RT: 21.39 min Scan# 2221
Delta R.T. 0.00 min
Lab File: BM000158.D
Acq: 09 Jan 2015 14:53

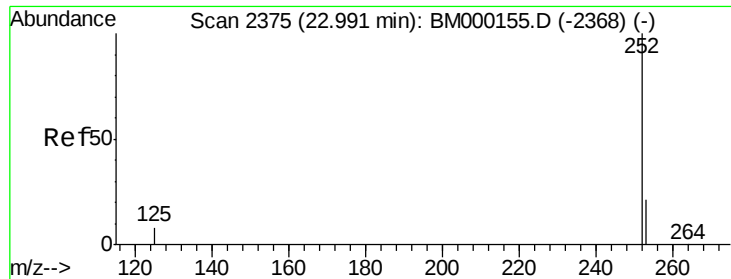
Tgt Ion:228 Resp: 2303
Ion Ratio Lower Upper
228 100
226 27.6 20.8 31.2
229 23.5 15.5 23.3#



#19
Chrysene
Concen: 0.09 ng/ul
RT: 21.44 min Scan# 2226
Delta R.T. 0.00 min
Lab File: BM000158.D
Acq: 09 Jan 2015 14:53

Tgt Ion:228 Resp: 2717
Ion Ratio Lower Upper
228 100
226 28.6 23.8 35.6
229 23.8 15.8 23.8





#21

Benzo(b)fluoranthene

Concen: 0.08 ng/u1

RT: 23.00 min Scan# 2376

Delta R.T. 0.00 min

Lab File: BM000158.D

Acq: 09 Jan 2015 14:53

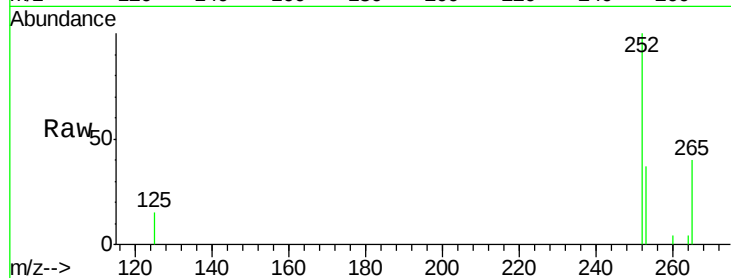
Tgt Ion:252 Resp: 2541

Ion Ratio Lower Upper

252 100

253 36.7 0.0 48.2

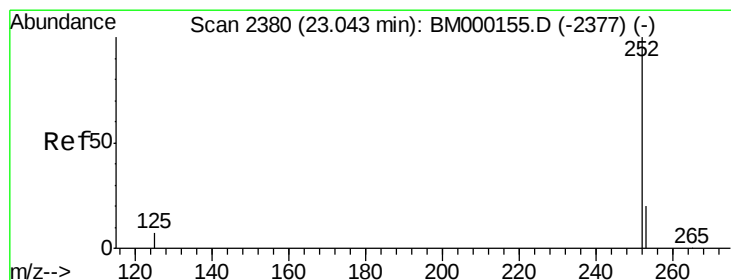
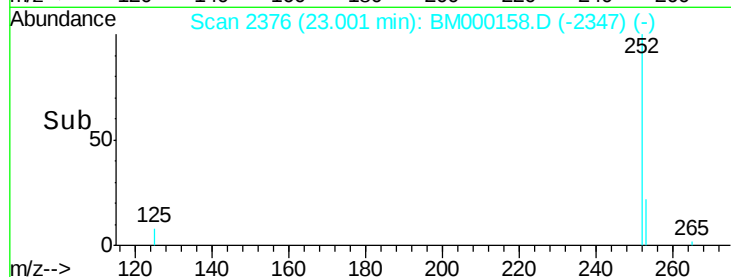
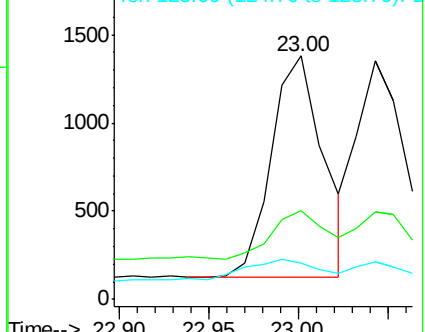
125 15.1 0.0 21.6



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: 0.08 ng/u1

RT: 23.04 min Scan# 2380

Delta R.T. -0.01 min

Lab File: BM000158.D

Acq: 09 Jan 2015 14:53

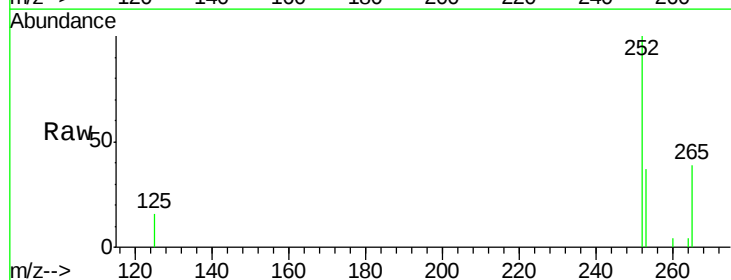
Tgt Ion:252 Resp: 2447

Ion Ratio Lower Upper

252 100

253 36.5 20.5 30.7#

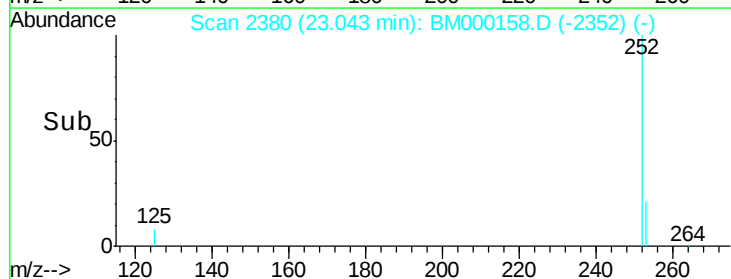
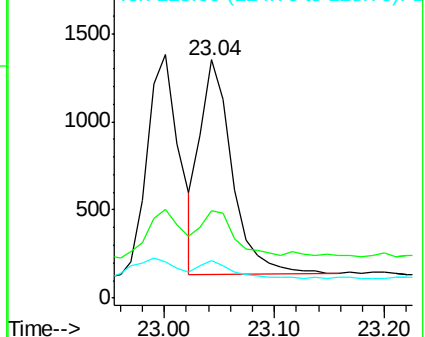
125 16.0 7.8 11.8#

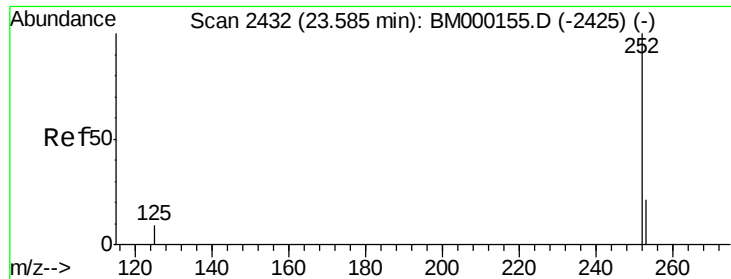


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#23

Benzo(a)pyrene

Concen: 0.08 ng/ul

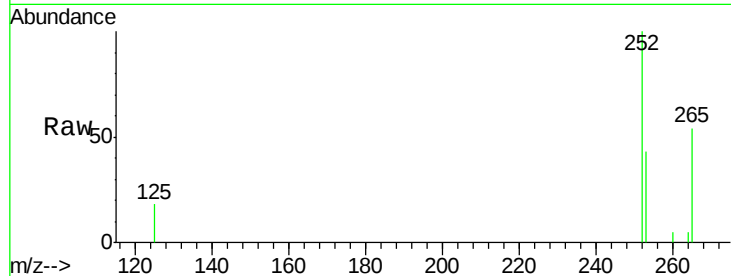
RT: 23.60 min Scan# 2433

Delta R.T. 0.00 min

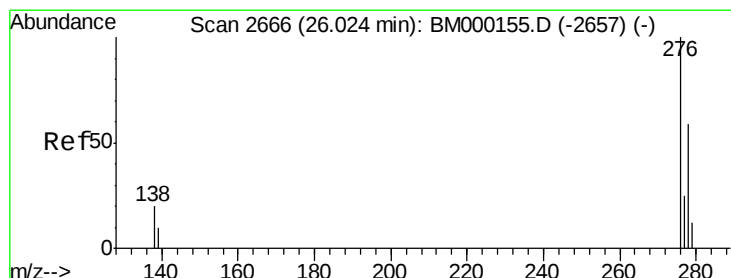
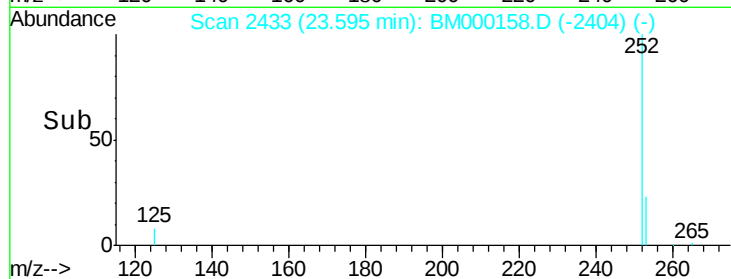
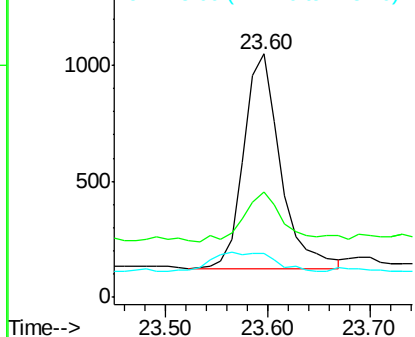
Lab File: BM000158.D

Acq: 09 Jan 2015 14:53

Tgt Ion:	252	Resp:	2312
Ion	Ratio	Lower	Upper
252	100		
253	43.2	19.8	29.6#
125	17.9	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

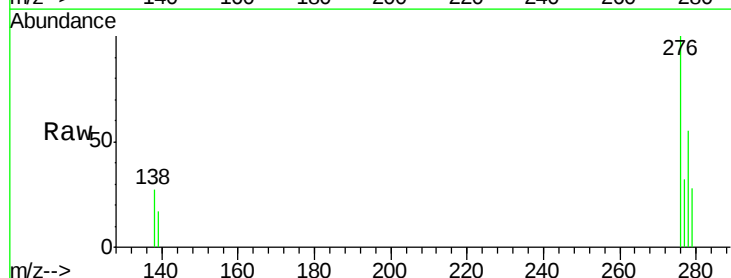
RT: 26.03 min Scan# 2667

Delta R.T. 0.00 min

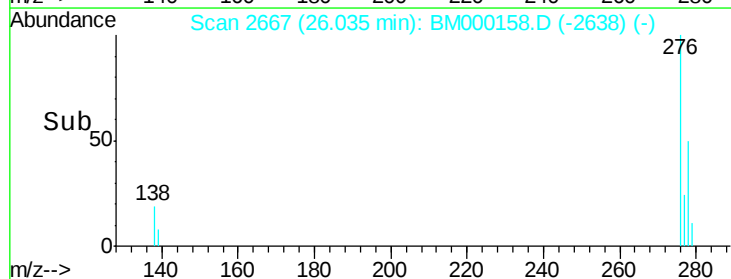
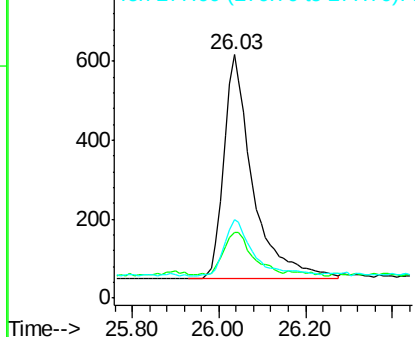
Lab File: BM000158.D

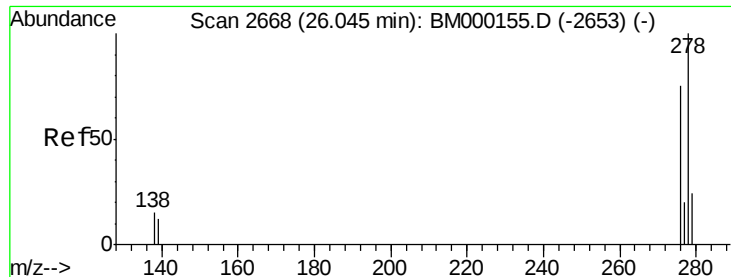
Acq: 09 Jan 2015 14:53

Tgt Ion:	276	Resp:	2626
Ion	Ratio	Lower	Upper
276	100		
138	19.2	17.6	26.4
277	24.3	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: 26.06 min Scan# 2669

Delta R.T. 0.00 min

Lab File: BM000158.D

Acq: 09 Jan 2015 14:53

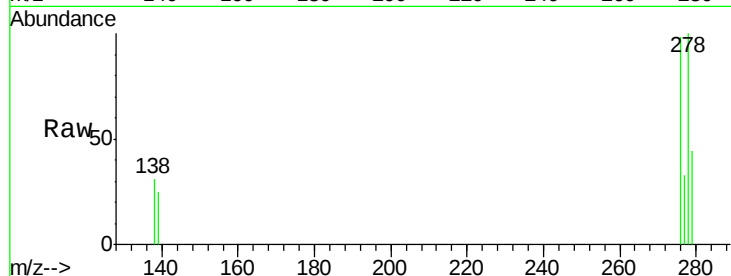
Tgt Ion: 278 Resp: 2022

Ion Ratio Lower Upper

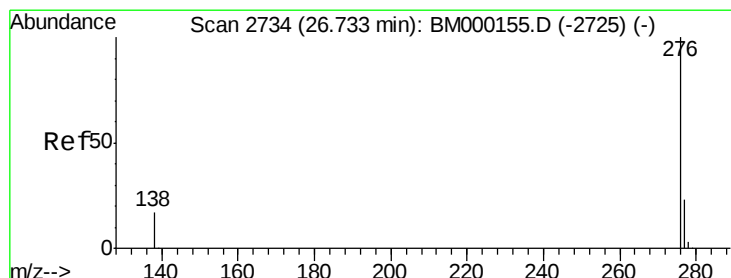
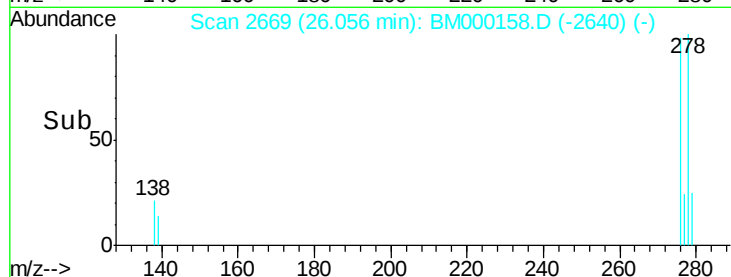
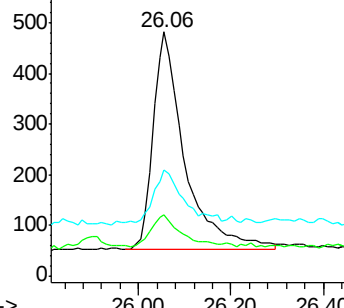
278 100

139 24.9 12.6 18.8#

279 43.6 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: 0.08 ng/ul

RT: 26.74 min Scan# 2735

Delta R.T. 0.00 min

Lab File: BM000158.D

Acq: 09 Jan 2015 14:53

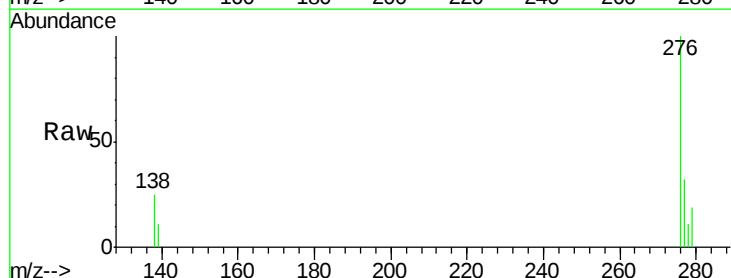
Tgt Ion: 276 Resp: 2357

Ion Ratio Lower Upper

276 100

277 31.7 20.0 30.0#

138 24.7 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

