

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM010915\
 Data File : BM000156.D
 Acq On : 09 Jan 2015 13:42
 Operator : TP/IZ
 Sample : MDL-01-S
 Misc : MDL-SOIL-0.15PPM-SIM
 ALS Vial : 34 Sample Multiplier: 1

Quant Time: Jan 09 22:13:17 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	7.83	152	3621	0.40	ng/ul	-0.01
2) Naphthalene-d8	10.62	136	12349	0.40	ng/ul	-0.01
6) Acenaphthene-d10	14.47	164	7937	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.21	188	13775	0.40	ng/ul	0.00
16) Chrysene-d12	21.41	240	10514	0.40	ng/ul	0.00
20) Perylene-d12	23.70	264	9384	0.40	ng/ul	0.00

System Monitoring Compounds

4) 2-Methylnaphthalene-d10	12.21	152	6505	0.40	ng/ul	-0.01
14) Fluoranthene-d10	19.25	212	9548	0.32	ng/ul	0.00

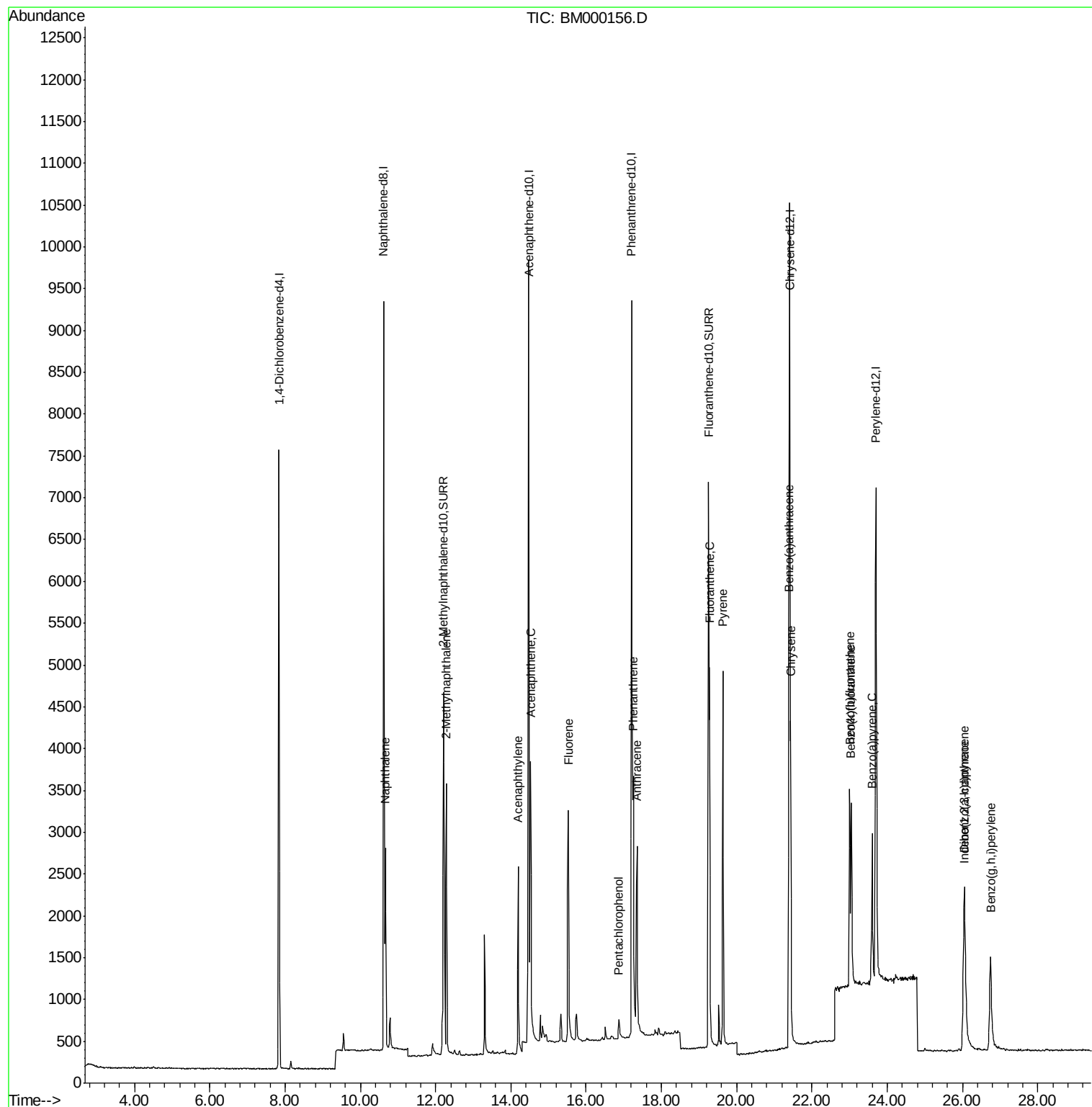
Target Compounds

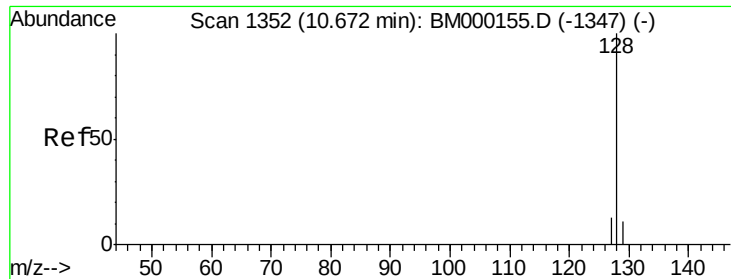
						Qvalue
3) Naphthalene	10.67	128	3330	0.10	ng/ul	95
5) 2-Methylnaphthalene	12.28	142	2208	0.10	ng/ul	98
7) Acenaphthylene	14.19	152	3348	0.08	ng/ul	95
8) Acenaphthene	14.52	153	2342	0.09	ng/ul	85
9) Fluorene	15.52	166	2622	0.09	ng/ul#	95
11) Pentachlorophenol	16.87	266	318	0.15	ng/ul	93
12) Phenanthrene	17.26	178	4039m	0.10	ng/ul	
13) Anthracene	17.35	178	3753	0.09	ng/ul	95
15) Fluoranthene	19.27	202	4401	0.09	ng/ul	94
17) Pyrene	19.64	202	4517	0.10	ng/ul	97
18) Benzo(a)anthracene	21.39	228	3339	0.10	ng/ul	96
19) Chrysene	21.44	228	3742	0.10	ng/ul	99
21) Benzo(b)fluoranthene	23.00	252	3383	0.09	ng/ul	84
22) Benzo(k)fluoranthene	23.04	252	3604	0.10	ng/ul#	85
23) Benzo(a)pyrene	23.60	252	3252	0.10	ng/ul#	77
24) Indeno(1,2,3-cd)pyrene	26.03	276	3693	0.10	ng/ul	99
25) Dibenzo(a,h)anthracene	26.06	278	2902	0.10	ng/ul#	83
26) Benzo(g,h,i)perylene	26.74	276	3304	0.10	ng/ul	92

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

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM010915\
Data File : BM000156.D
Acq On : 09 Jan 2015 13:42
Operator : TP/IZ
Sample : MDL-01-S
Misc : MDL-SOIL-0.15PPM-SIM
ALS Vial : 34 Sample Multiplier: 1

Quant Time: Jan 09 22:13:17 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





#3

Naphthalene

Concen: 0.10 ng/ul

RT: 10.67 min Scan# 1352

Delta R.T. -0.01 min

Lab File: BM000156.D

Acq: 09 Jan 2015 13:42

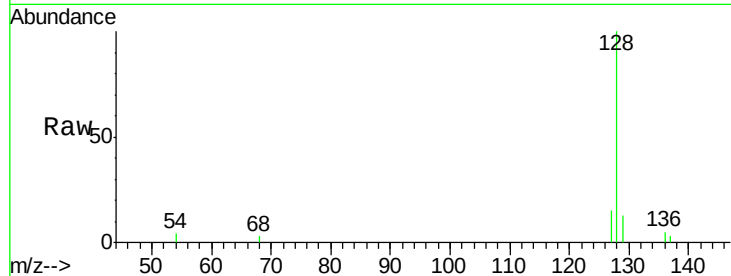
Tgt Ion:128 Resp: 3330

Ion Ratio Lower Upper

128 100

129 13.1 9.5 14.3

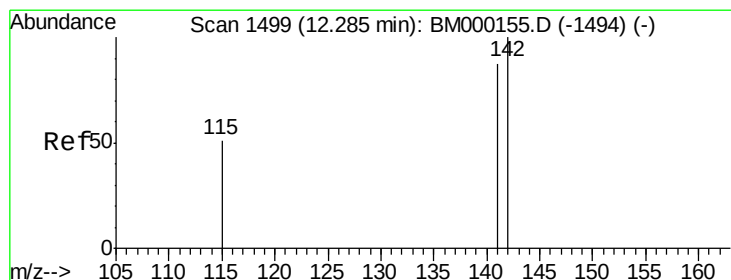
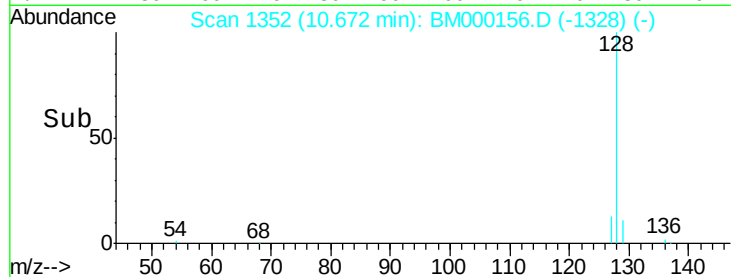
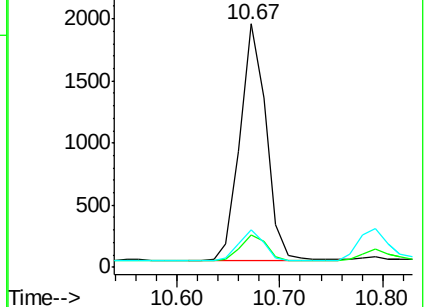
127 15.4 10.4 15.6



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: 0.10 ng/ul

RT: 12.28 min Scan# 1499

Delta R.T. -0.01 min

Lab File: BM000156.D

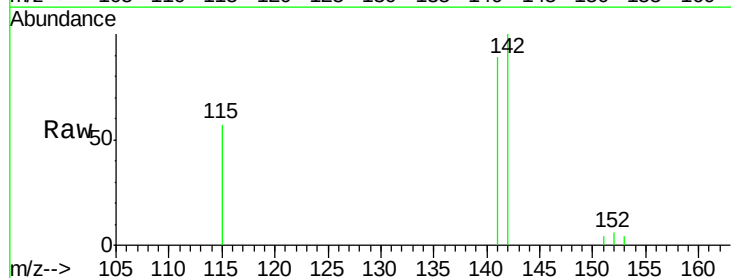
Acq: 09 Jan 2015 13:42

Tgt Ion:142 Resp: 2208

Ion Ratio Lower Upper

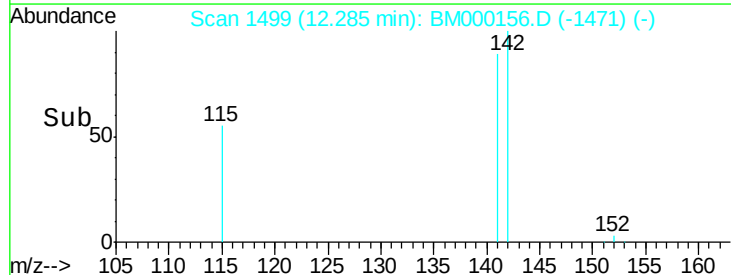
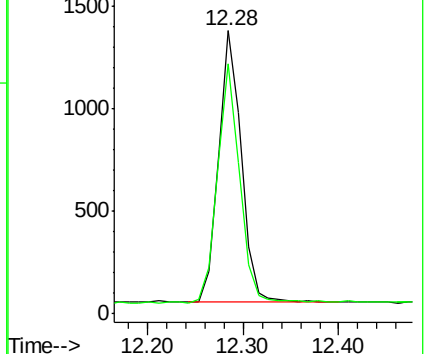
142 100

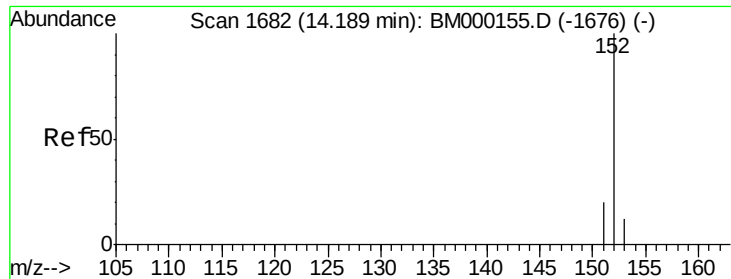
141 88.0 68.9 103.3



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.08 ng/ul

RT: 14.19 min Scan# 1682

Delta R.T. -0.01 min

Lab File: BM000156.D

Acq: 09 Jan 2015 13:42

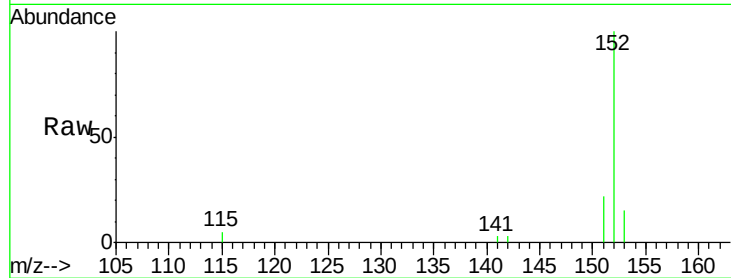
Tgt Ion:152 Resp: 3348

Ion Ratio Lower Upper

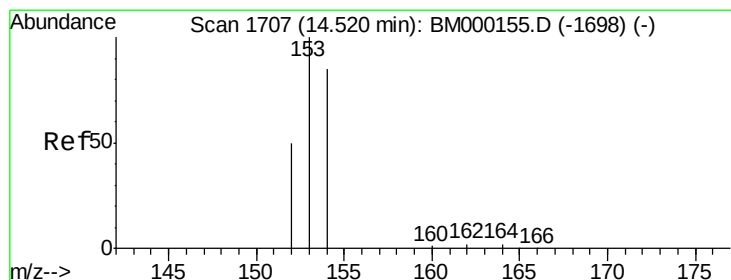
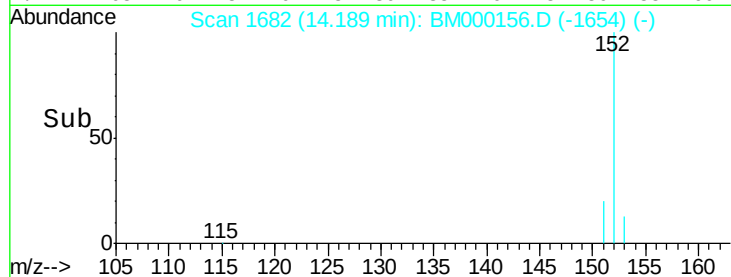
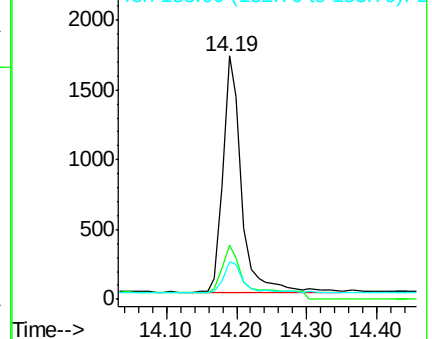
152 100

151 22.2 15.4 23.2

153 15.3 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: 0.09 ng/ul

RT: 14.52 min Scan# 1707

Delta R.T. -0.02 min

Lab File: BM000156.D

Acq: 09 Jan 2015 13:42

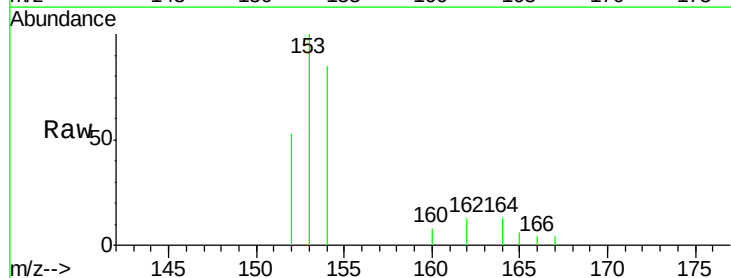
Tgt Ion:153 Resp: 2342

Ion Ratio Lower Upper

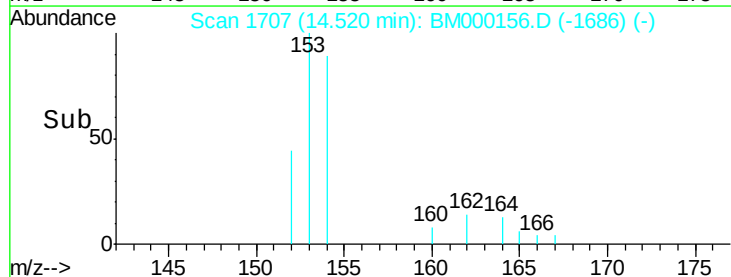
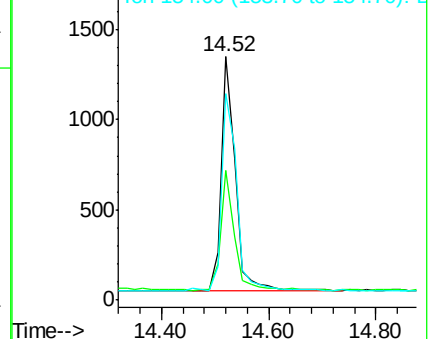
153 100

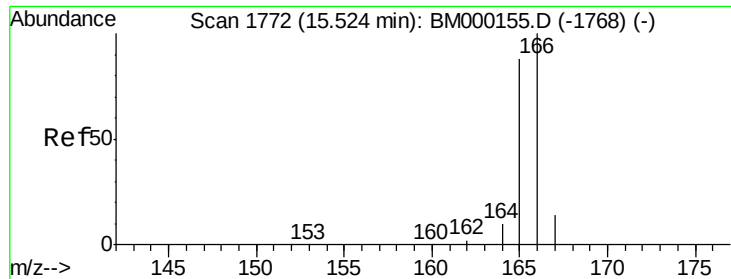
152 53.2 35.8 53.6

154 84.7 79.9 119.9



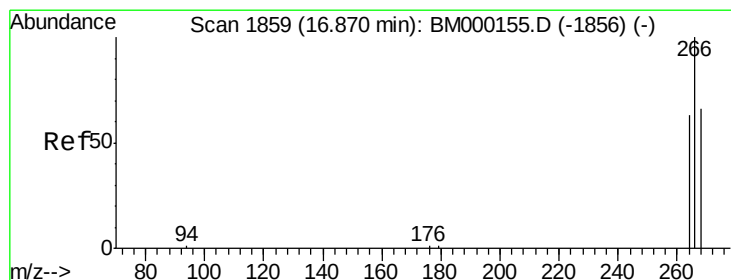
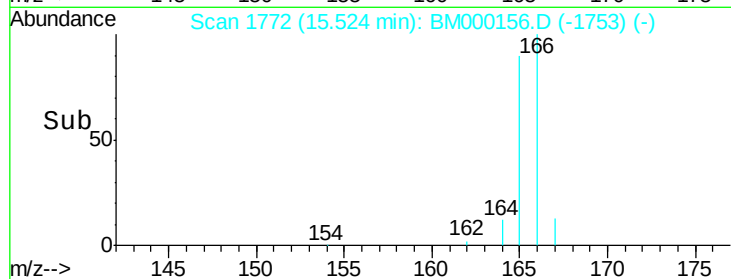
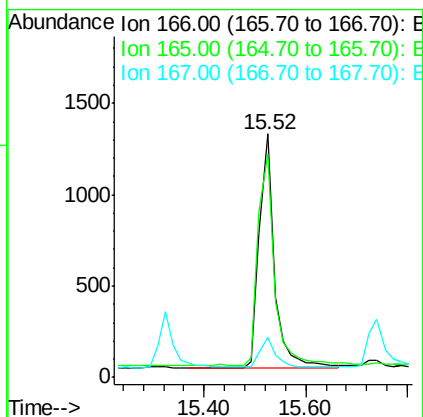
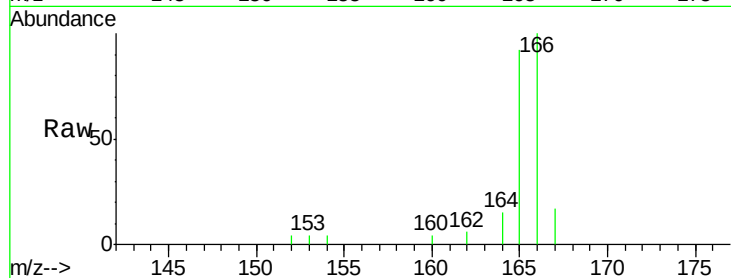
Abundance Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E
Ion 154.00 (153.70 to 154.70): E





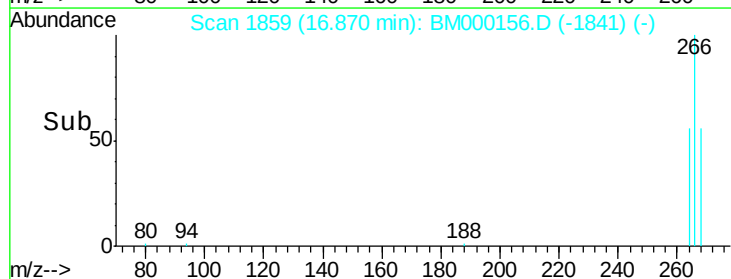
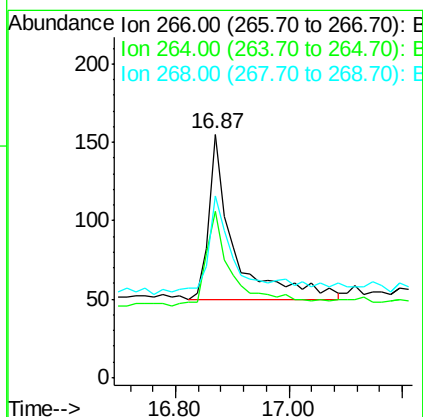
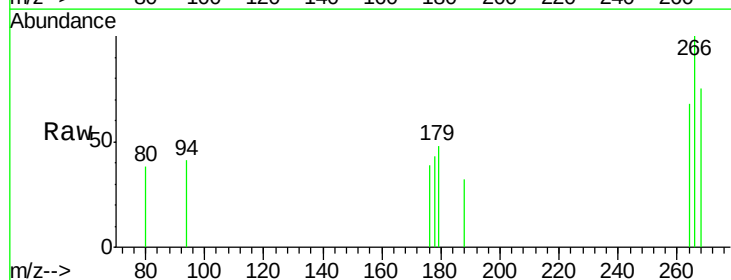
#9
Fluorene
 Concen: 0.09 ng/ul
 RT: 15.52 min Scan# 1772
 Delta R.T. 0.00 min
 Lab File: BM000156.D
 Acq: 09 Jan 2015 13:42

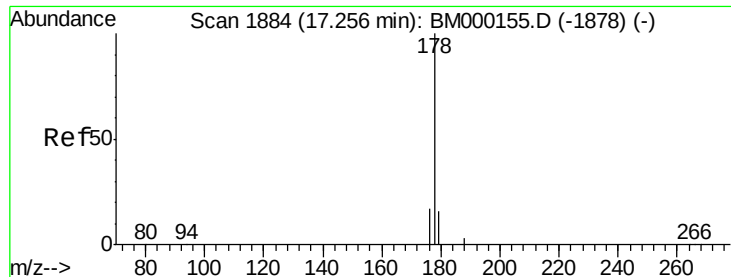
Tgt Ion:166 Resp: 2622
 Ion Ratio Lower Upper
 166 100
 165 91.7 77.0 115.4
 167 16.6 11.0 16.6#



#11
Pentachlorophenol
 Concen: 0.15 ng/ul
 RT: 16.87 min Scan# 1859
 Delta R.T. -0.02 min
 Lab File: BM000156.D
 Acq: 09 Jan 2015 13:42

Tgt Ion:266 Resp: 318
 Ion Ratio Lower Upper
 266 100
 264 59.7 53.9 80.9
 268 58.2 49.2 73.8





#12

Phenanthrene

Concen: 0.10 ng/ul m

RT: 17.26 min Scan# 1884

Delta R.T. 0.00 min

Lab File: BM000156.D

Acq: 09 Jan 2015 13:42

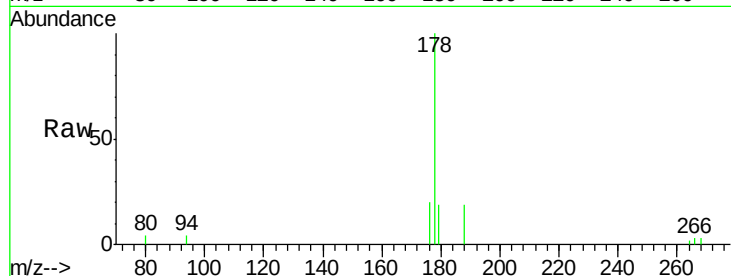
Tgt Ion:178 Resp: 4039

Ion Ratio Lower Upper

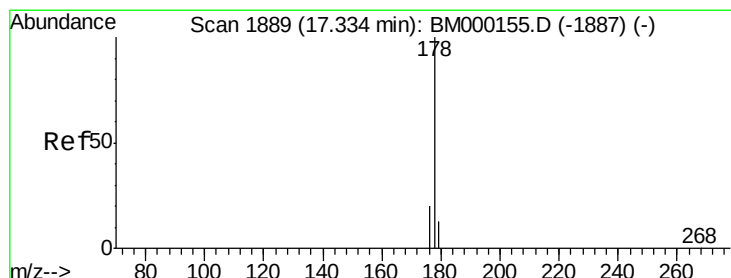
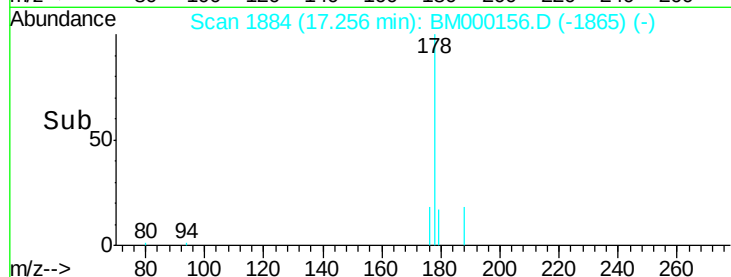
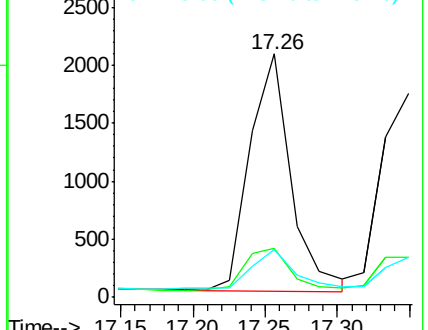
178 100

176 20.2 15.1 22.7

179 19.5 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: 0.09 ng/ul

RT: 17.35 min Scan# 1890

Delta R.T. 0.00 min

Lab File: BM000156.D

Acq: 09 Jan 2015 13:42

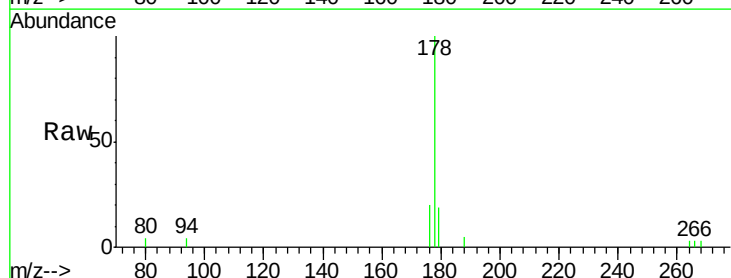
Tgt Ion:178 Resp: 3753

Ion Ratio Lower Upper

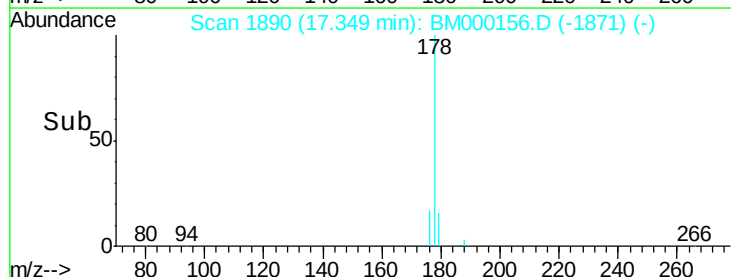
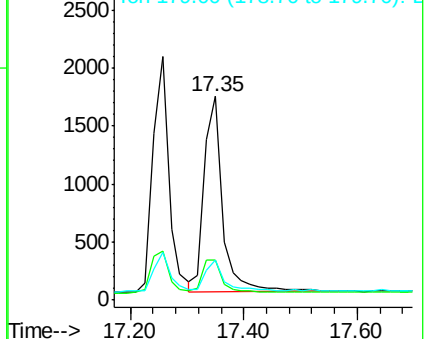
178 100

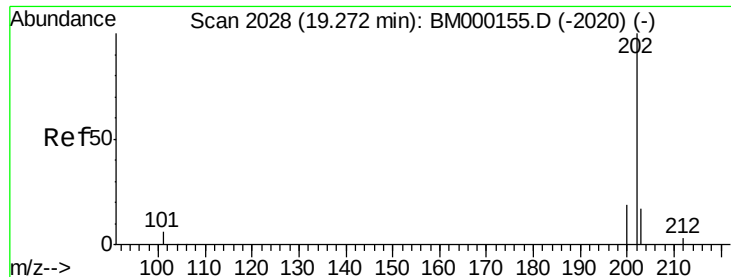
176 19.9 14.6 21.8

179 19.4 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: 0.09 ng/ul

RT: 19.27 min Scan# 2028

Delta R.T. 0.00 min

Lab File: BM000156.D

Acq: 09 Jan 2015 13:42

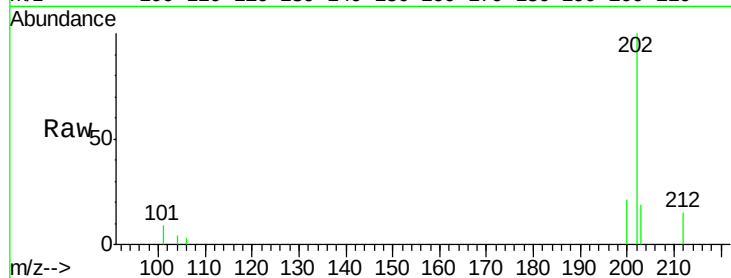
Tgt Ion:202 Resp: 4401

Ion Ratio Lower Upper

202 100

101 8.6 0.0 30.5

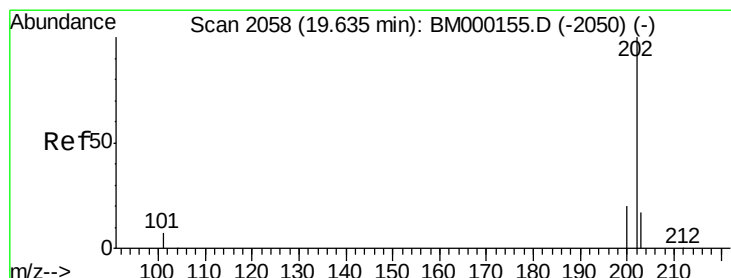
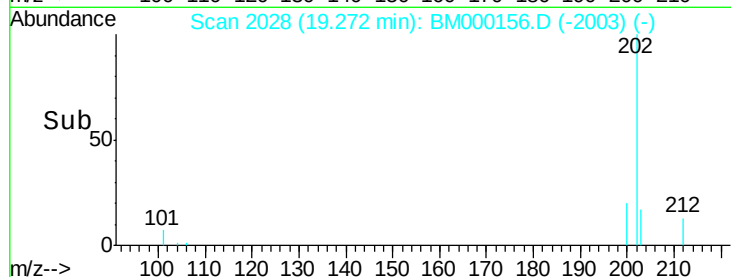
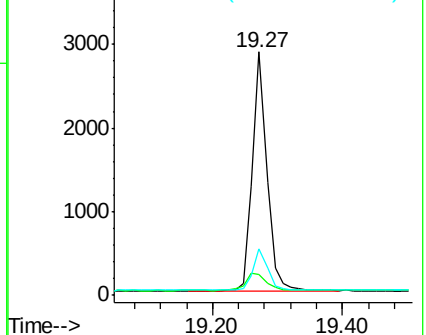
203 19.1 0.0 36.6



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: 0.10 ng/ul

RT: 19.64 min Scan# 2058

Delta R.T. 0.00 min

Lab File: BM000156.D

Acq: 09 Jan 2015 13:42

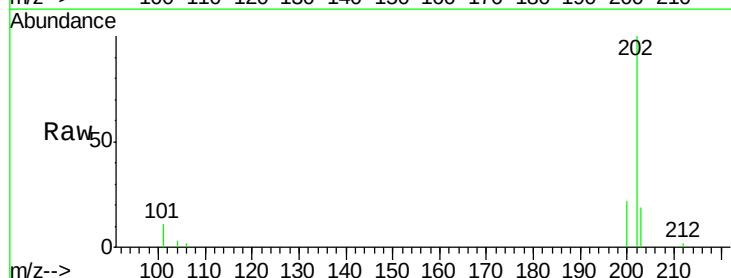
Tgt Ion:202 Resp: 4517

Ion Ratio Lower Upper

202 100

200 22.4 17.9 26.9

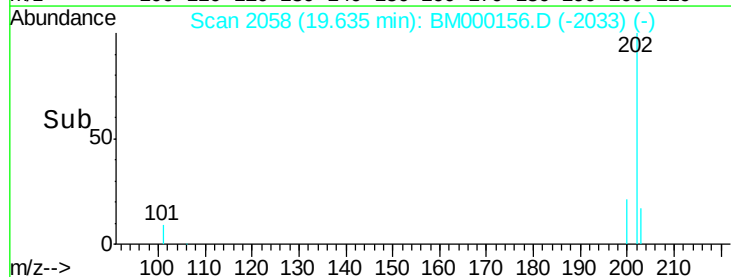
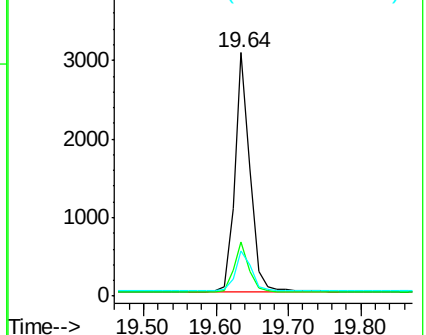
203 18.5 12.8 19.2

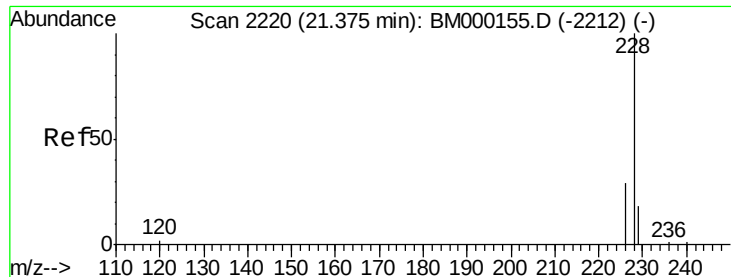


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

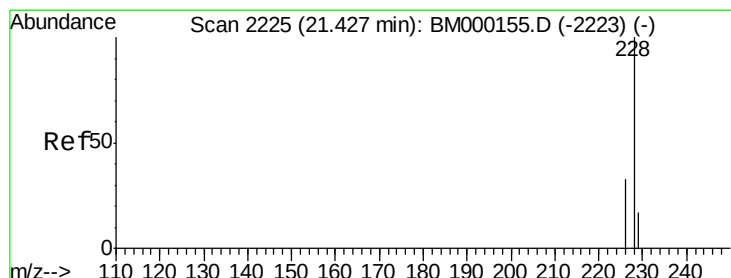
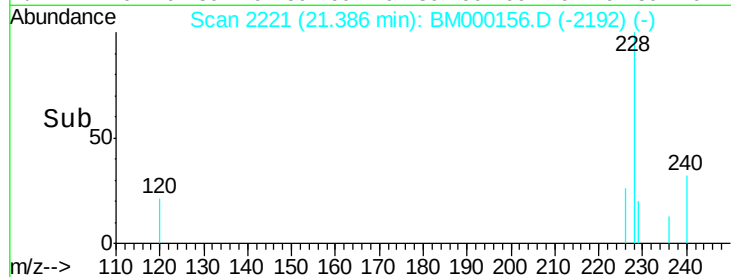
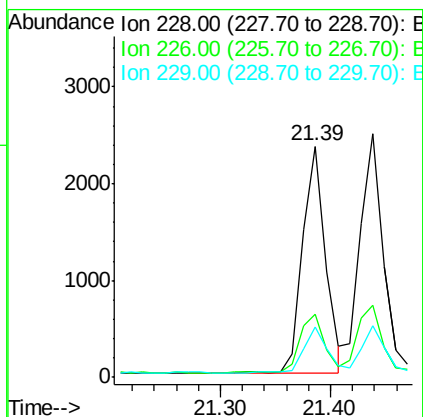
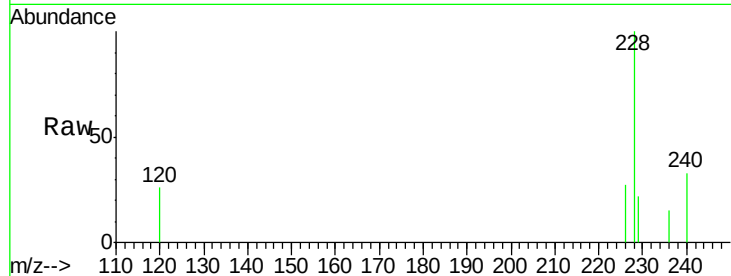
Ion 203.00 (202.70 to 203.70): E





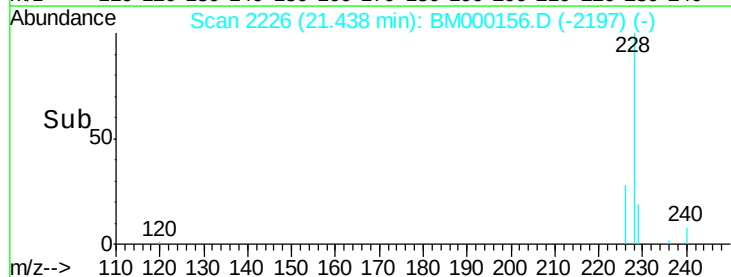
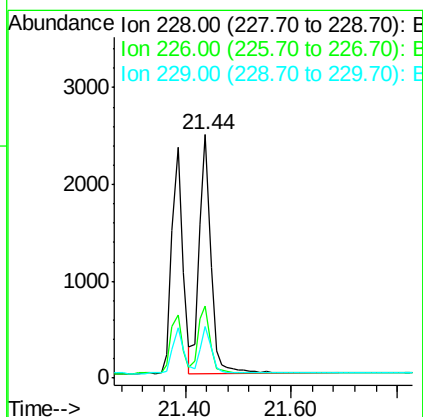
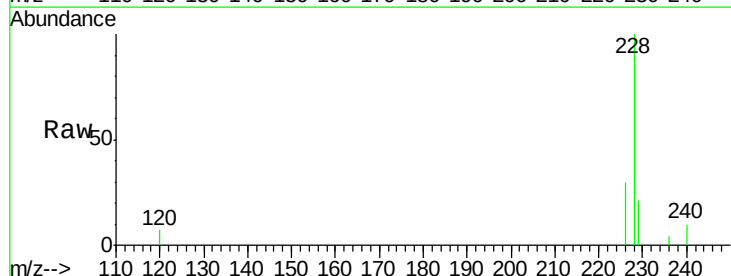
#18
Benzo(a)anthracene
Concen: 0.10 ng/ul
RT: 21.39 min Scan# 2221
Delta R.T. 0.00 min
Lab File: BM000156.D
Acq: 09 Jan 2015 13:42

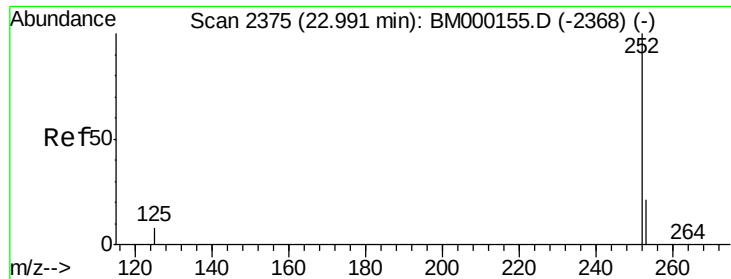
Tgt Ion:228 Resp: 3339
Ion Ratio Lower Upper
228 100
226 27.5 20.8 31.2
229 21.6 15.5 23.3



#19
Chrysene
Concen: 0.10 ng/ul
RT: 21.44 min Scan# 2226
Delta R.T. 0.00 min
Lab File: BM000156.D
Acq: 09 Jan 2015 13:42

Tgt Ion:228 Resp: 3742
Ion Ratio Lower Upper
228 100
226 29.9 23.8 35.6
229 21.1 15.8 23.8





#21

Benzo(b)fluoranthene

Concen: 0.09 ng/ul

RT: 23.00 min Scan# 2376

Delta R.T. 0.00 min

Lab File: BM000156.D

Acq: 09 Jan 2015 13:42

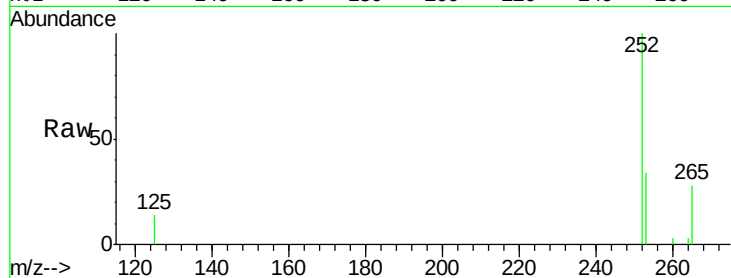
Tgt Ion:252 Resp: 3383

Ion Ratio Lower Upper

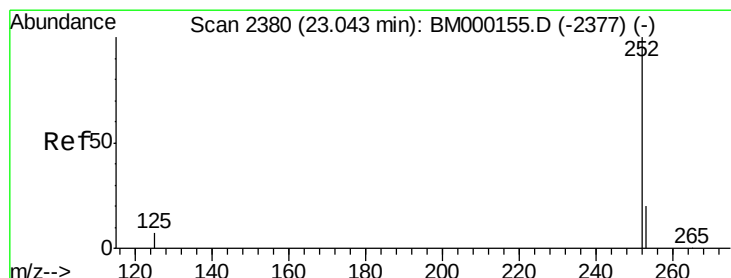
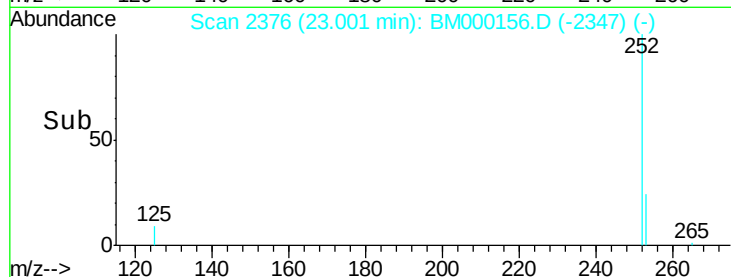
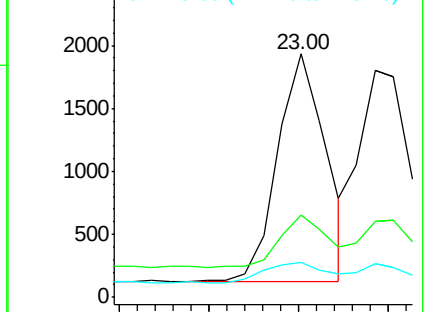
252 100

253 33.7 0.0 48.2

125 14.3 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: 23.04 min Scan# 2380

Delta R.T. -0.01 min

Lab File: BM000156.D

Acq: 09 Jan 2015 13:42

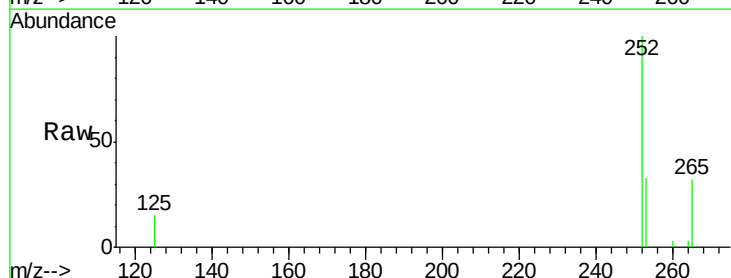
Tgt Ion:252 Resp: 3604

Ion Ratio Lower Upper

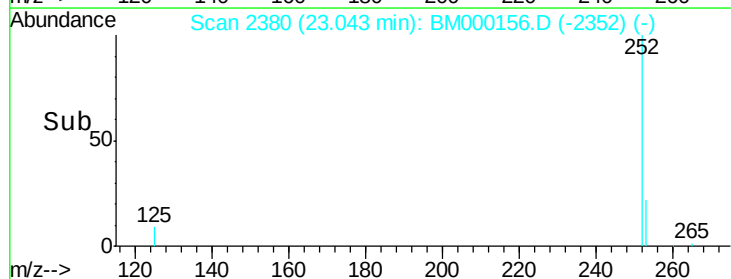
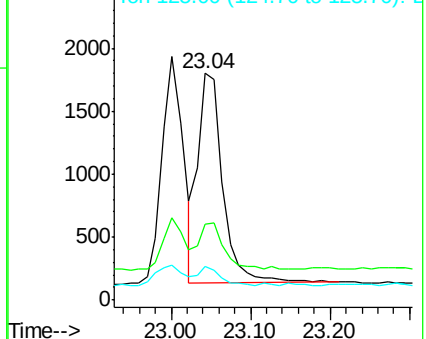
252 100

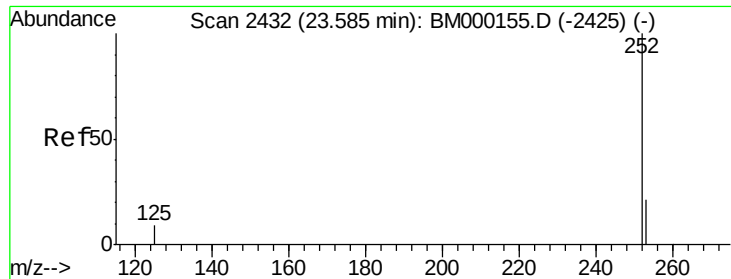
253 33.4 20.5 30.7#

125 14.8 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: BM000156.D

Acq: 09 Jan 2015 13:42

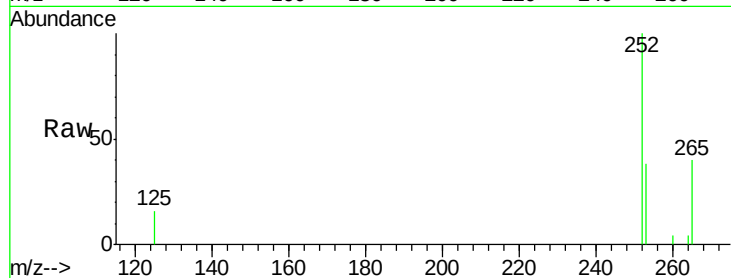
Tgt Ion: 252 Resp: 3252

Ion Ratio Lower Upper

252 100

253 38.5 19.8 29.6#

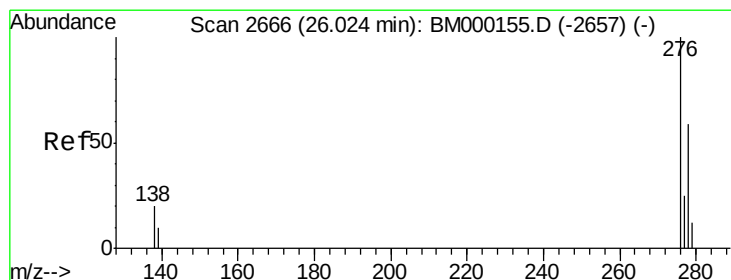
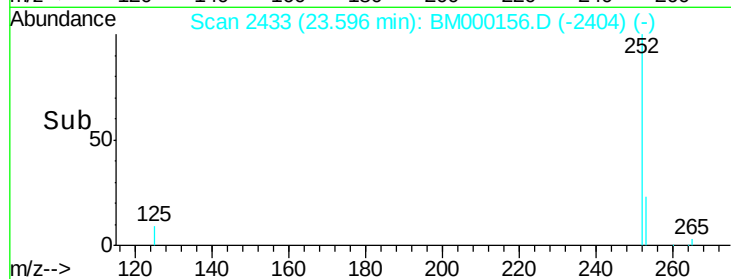
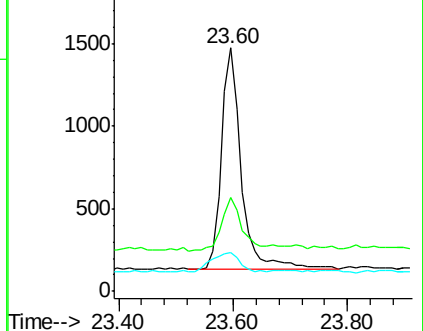
125 16.2 9.2 13.8#



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: 0.10 ng/ul

RT: 26.03 min Scan# 2667

Delta R.T. 0.00 min

Lab File: BM000156.D

Acq: 09 Jan 2015 13:42

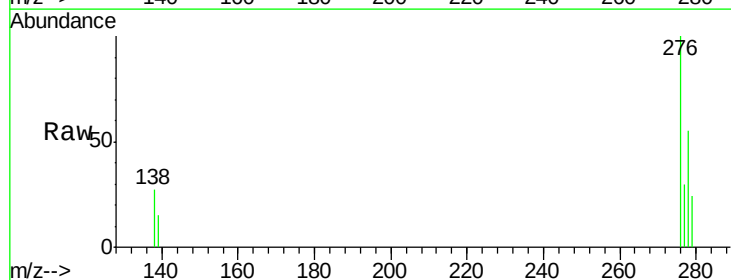
Tgt Ion: 276 Resp: 3693

Ion Ratio Lower Upper

276 100

138 21.1 17.6 26.4

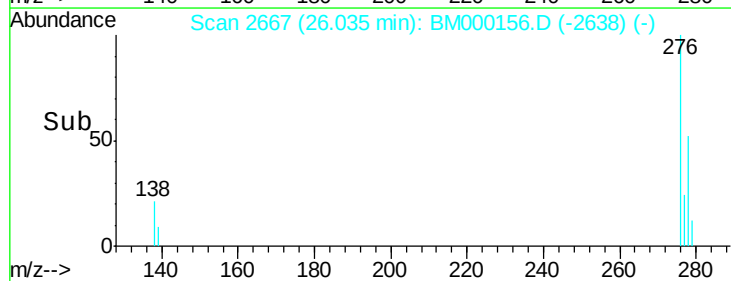
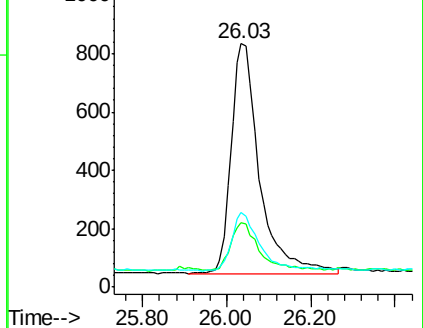
277 25.2 19.9 29.9

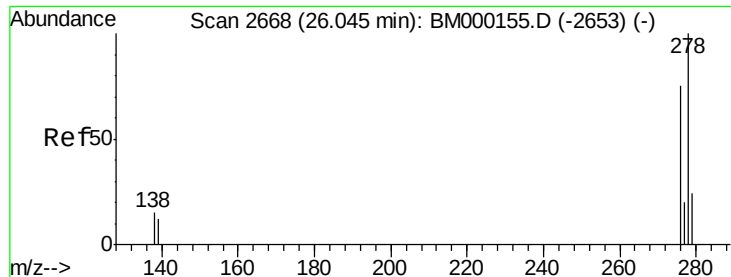


Abundance Ion 276.00 (275.70 to 276.70): E

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: BM000156.D

Acq: 09 Jan 2015 13:42

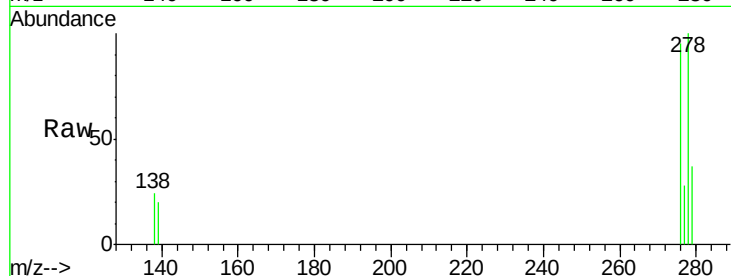
Tgt Ion: 278 Resp: 2902

Ion Ratio Lower Upper

278 100

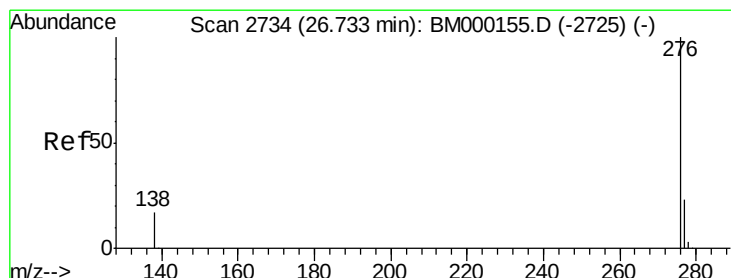
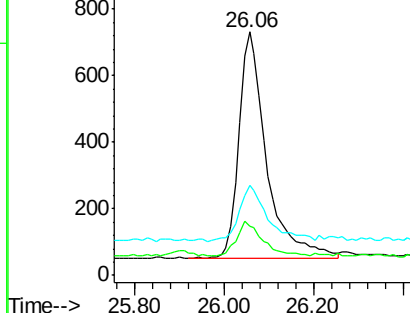
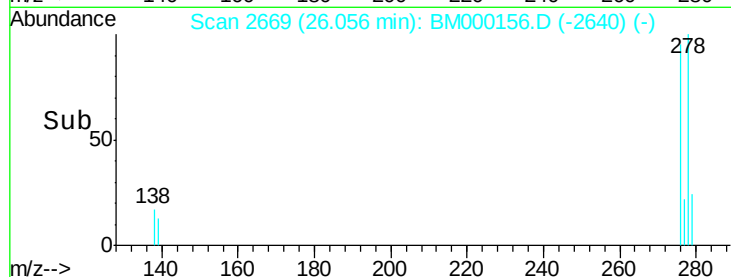
139 19.9 12.6 18.8#

279 36.7 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

26.06



#26

Benzo(g,h,i)perylene

Concen: 0.10 ng/ul

RT: 26.74 min Scan# 2735

Delta R.T. 0.00 min

Lab File: BM000156.D

Acq: 09 Jan 2015 13:42

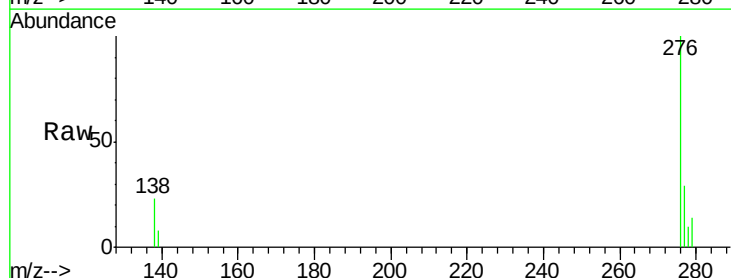
Tgt Ion: 276 Resp: 3304

Ion Ratio Lower Upper

276 100

277 28.6 20.0 30.0

138 23.3 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

26.74

