

Data Path : Z:\HPCHEM1\BNA M\DATA\BM091115\
 Data File : BM002686.D
 Acq On : 11 Sep 2015 18:00
 Operator : UM/IZ
 Sample : MDL-05-W
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

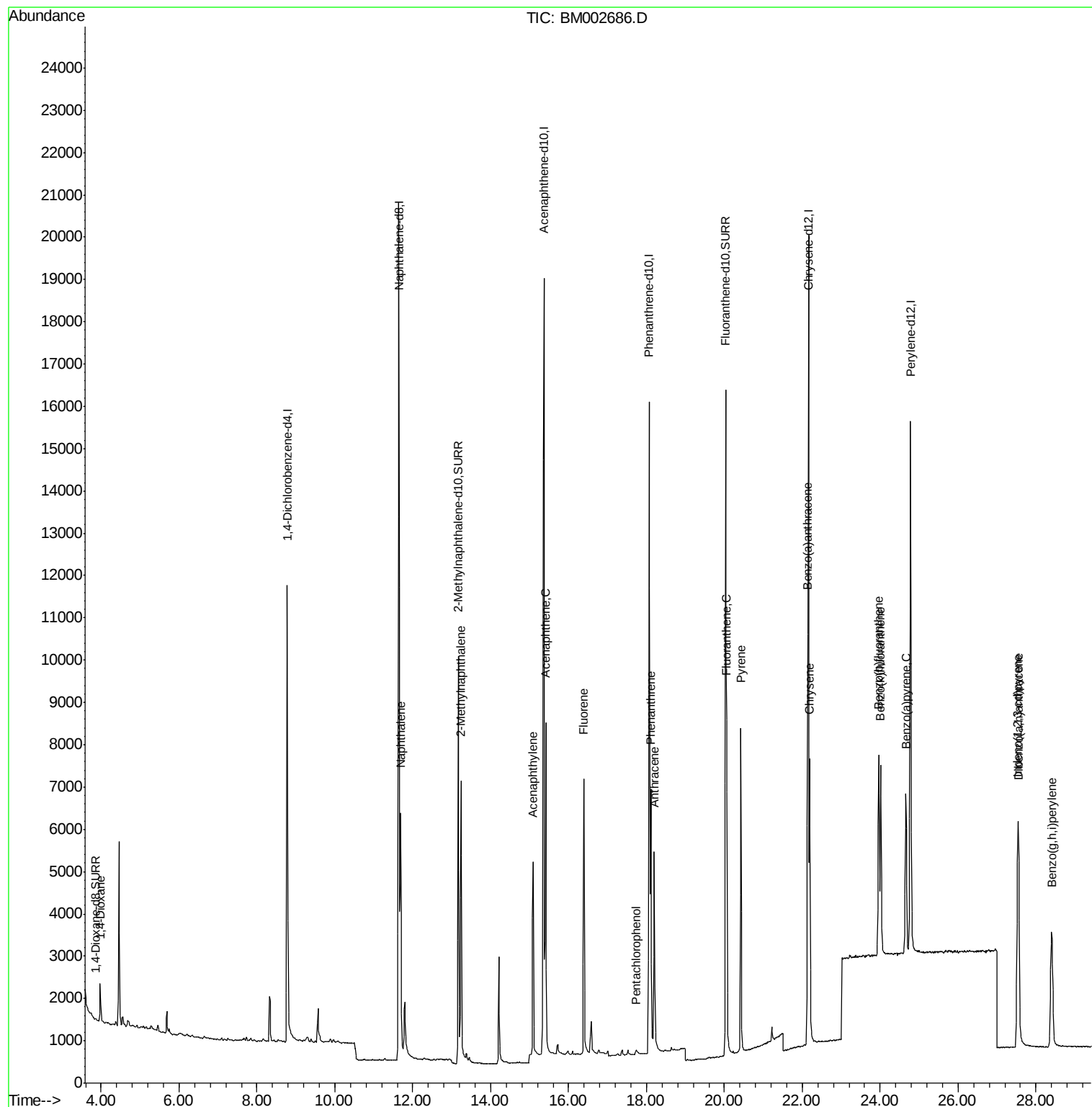
Quant Time: Sep 12 01:35:54 2015
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM02.2-EPA-SIM-BM90315.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Sep 12 01:33:03 2015
 Response via : Initial Calibration

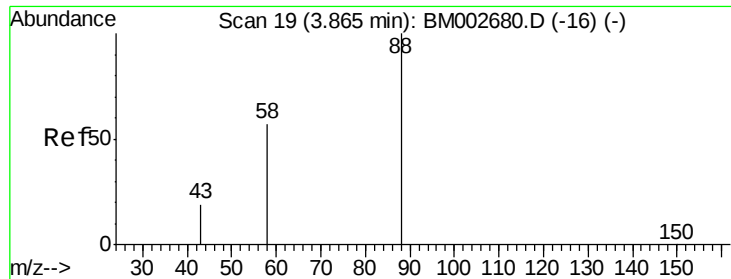
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.78	152	7849	0.40	ng/ul	0.00
4) Naphthalene-d8	11.64	136	31368	0.40	ng/ul	0.00
8) Acenaphthene-d10	15.36	164	13954	0.40	ng/ul	0.00
12) Phenanthrene-d10	18.06	188	24357	0.40	ng/ul	0.00
18) Chrysene-d12	22.16	240	20858	0.40	ng/ul	0.00
22) Perylene-d12	24.77	264	20623	0.40	ng/ul	0.00
System Monitoring Compounds						
2) 1,4-Dioxane-d8	3.85	96	45	0.01	ng/uL	0.03
6) 2-Methylnaphthalene-d10	13.17	152	14615	0.35	ng/ul	0.00
16) Fluoranthene-d10	20.03	212	19661	0.35	ng/ul	0.00
Target Compounds				Ovalue		
3) 1,4-Dioxane	3.97	88	46	0.01	ng/ul#	1
5) Naphthalene	11.69	128	8343	0.10	ng/ul	99
7) 2-Methylnaphthalene	13.23	142	5703	0.11	ng/ul	96
9) Acenaphthylene	15.09	152	6819	0.09	ng/ul	96
10) Acenaphthene	15.42	153	4950	0.10	ng/ul	92
11) Fluorene	16.39	166	5015	0.09	ng/ul	86
13) Pentachlorophenol	17.74	266	261	0.11	ng/ul#	86
14) Phenanthrene	18.11	178	6980	0.10	ng/ul	98
15) Anthracene	18.20	178	6696	0.09	ng/ul	97
17) Fluoranthene	20.06	202	7510	0.10	ng/ul	94
19) Pyrene	20.42	202	7751	0.10	ng/ul	96
20) Benzo(a)anthracene	22.14	228	6929	0.10	ng/ul	95
21) Chrysene	22.19	228	6878	0.10	ng/ul	98
23) Benzo(b)fluoranthene	23.96	252	7588	0.10	ng/ul	84
24) Benzo(k)fluoranthene	24.01	252	6759	0.10	ng/ul#	84
25) Benzo(a)pyrene	24.66	252	6688	0.10	ng/ul#	82
26) Indeno(1,2,3-cd)pyrene	27.54	276	7603	0.09	ng/ul	98
27) Dibenzo(a,h)anthracene	27.55	278	5906	0.09	ng/ul#	91
28) Benzo(g,h,i)perylene	28.40	276	7021	0.10	ng/ul	95

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

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Quant Time: Sep 12 01:35:54 2015
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM02.2-EPA-SIM-BM90315.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sat Sep 12 01:33:03 2015
Response via : Initial Calibration





#3

1,4-Dioxane

Concen: 0.01 ng/ul

RT: 3.97 min Scan# 26

Delta R.T. 0.11 min

Lab File: BM002686.D

Acq: 11 Sep 2015 18:00

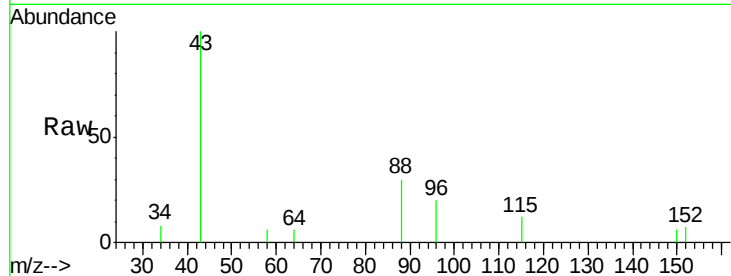
Tot Ion: 88 Resp: 46

Ion Ratio Lower Upper

88 100

58 0.0 55.4 83.2#

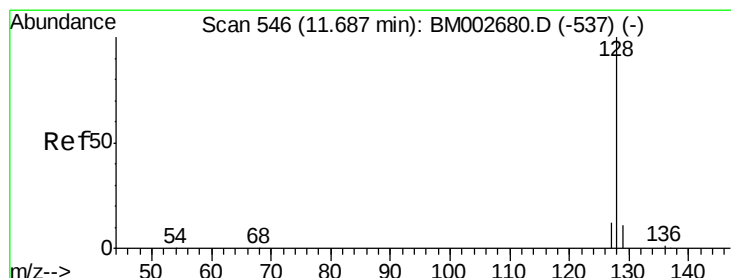
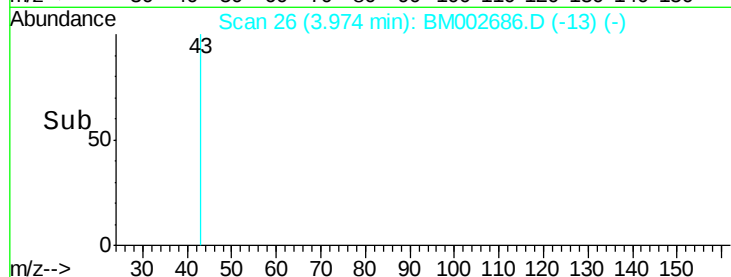
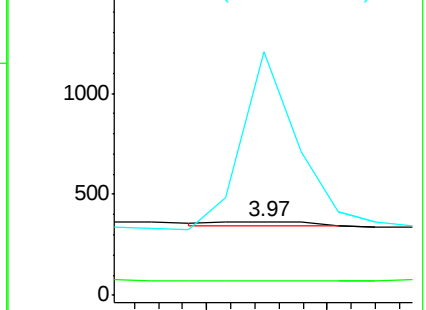
43 3008.7 24.2 36.2#



Abundance Ion 88.00 (87.70 to 88.70): BM002686.D (-13) (-)

Ion 58.00 (57.70 to 58.70): BM002686.D (-13) (-)

Ion 43.00 (42.70 to 43.70): BM002686.D (-13) (-)



#5

Naphthalene

Concen: 0.10 ng/ul

RT: 11.69 min Scan# 546

Delta R.T. 0.00 min

Lab File: BM002686.D

Acq: 11 Sep 2015 18:00

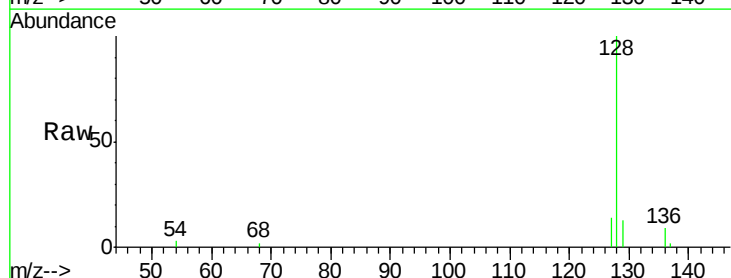
Tgt Ion: 128 Resp: 8343

Ion Ratio Lower Upper

128 100

129 12.7 9.8 14.8

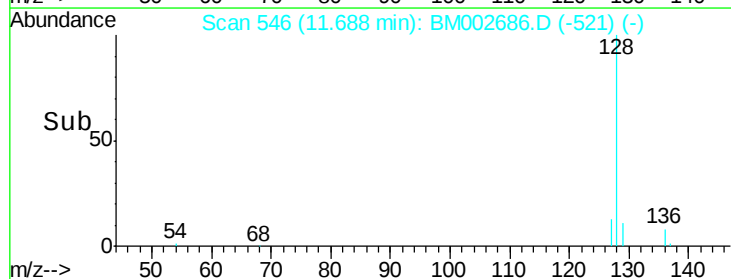
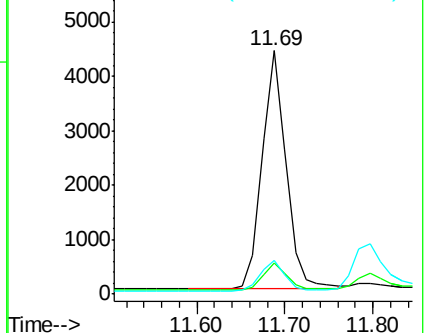
127 13.8 10.7 16.1

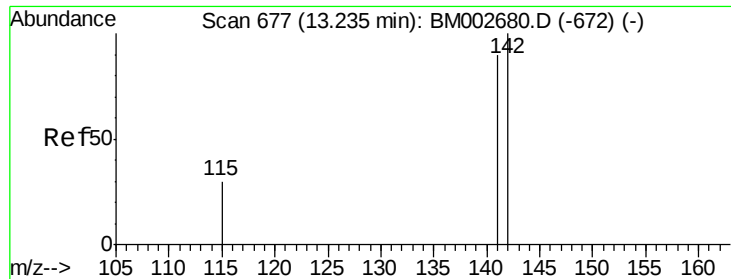


Abundance Ion 128.00 (127.70 to 128.70): BM002686.D (-521) (-)

Ion 129.00 (128.70 to 129.70): BM002686.D (-521) (-)

Ion 127.00 (126.70 to 127.70): BM002686.D (-521) (-)





#7

2-Methylnaphthalene

Concen: 0.11 ng/ul

RT: 13.23 min Scan# 677

Delta R.T. 0.00 min

Lab File: BM002686.D

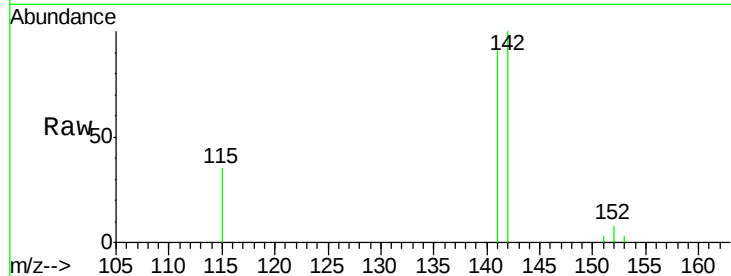
Acq: 11 Sep 2015 18:00

Tot Ion:142 Resp: 5703

Ion Ratio Lower Upper

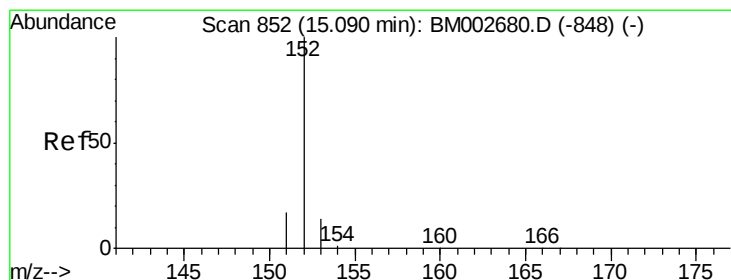
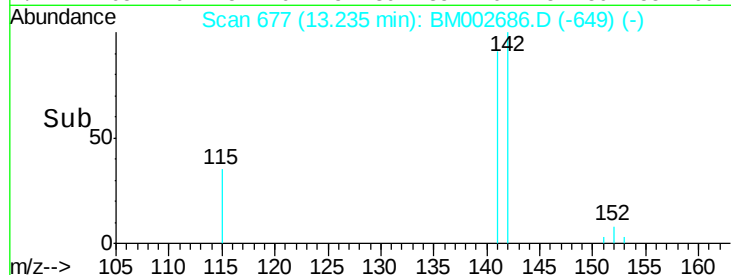
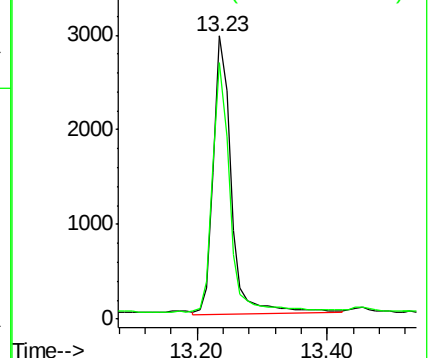
142 100

141 91.5 70.3 105.5



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E



#9

Acenaphthylene

Concen: 0.09 ng/ul

RT: 15.09 min Scan# 852

Delta R.T. 0.00 min

Lab File: BM002686.D

Acq: 11 Sep 2015 18:00

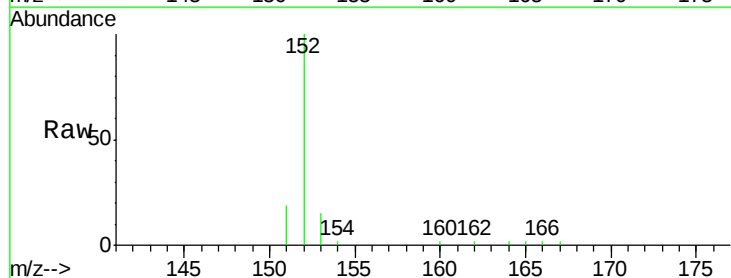
Tgt Ion:152 Resp: 6819

Ion Ratio Lower Upper

152 100

151 18.7 16.8 25.2

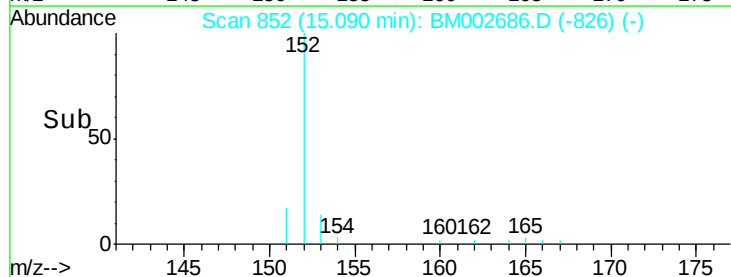
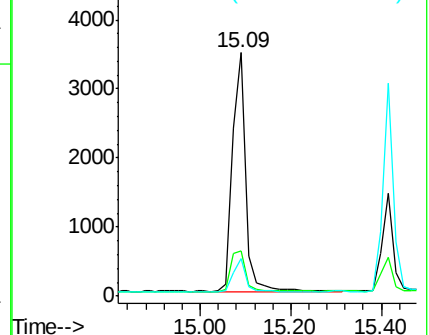
153 15.4 11.3 16.9

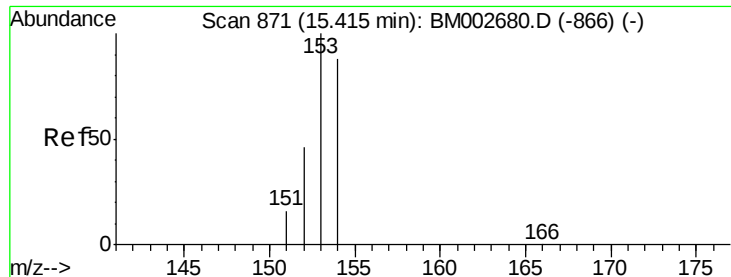


Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E





#10

Acenaphthene

Concen: 0.10 ng/ul

RT: 15.42 min Scan# 871

Delta R.T. 0.00 min

Lab File: BM002686.D

Acq: 11 Sep 2015 18:00

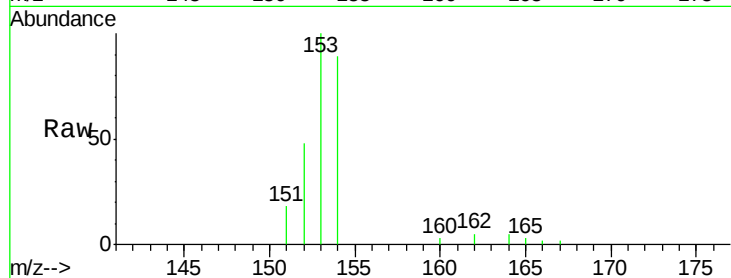
Tot Ion:153 Resp: 4950

Ion Ratio Lower Upper

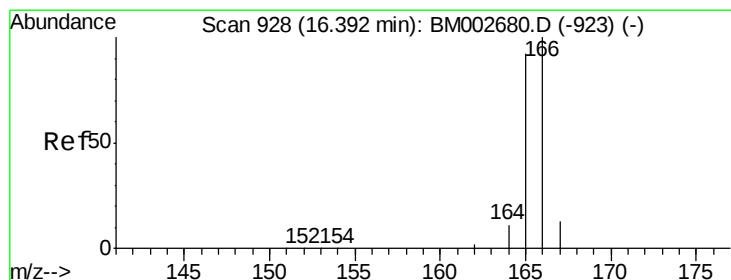
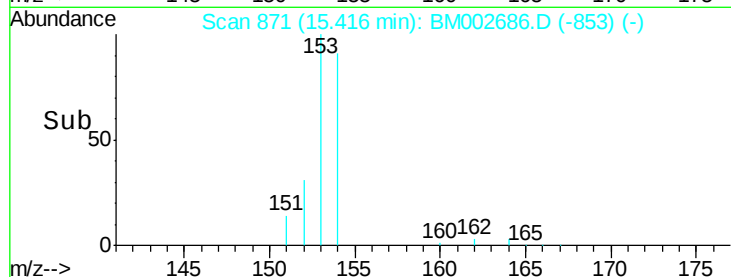
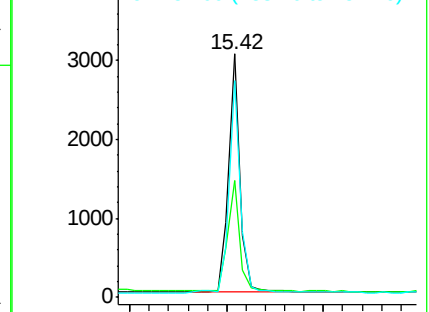
153 100

152 48.3 42.3 63.5

154 89.2 64.7 97.1



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



#11

Fluorene

Concen: 0.09 ng/ul

RT: 16.39 min Scan# 928

Delta R.T. 0.00 min

Lab File: BM002686.D

Acq: 11 Sep 2015 18:00

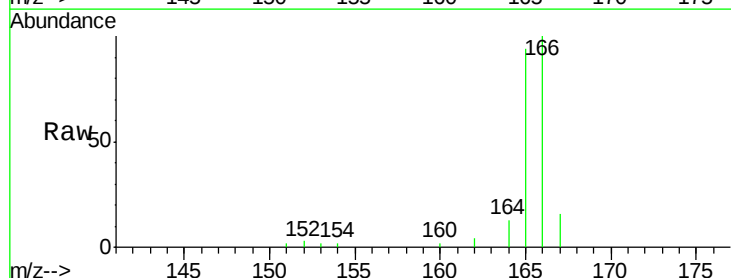
Tgt Ion:166 Resp: 5015

Ion Ratio Lower Upper

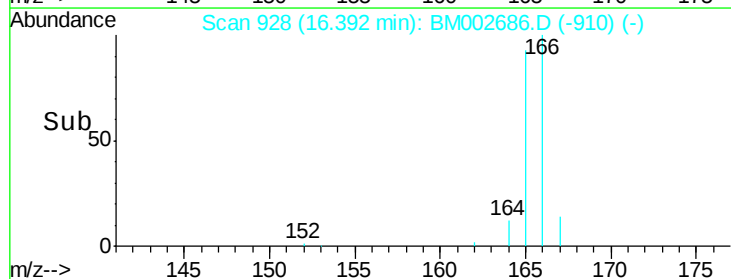
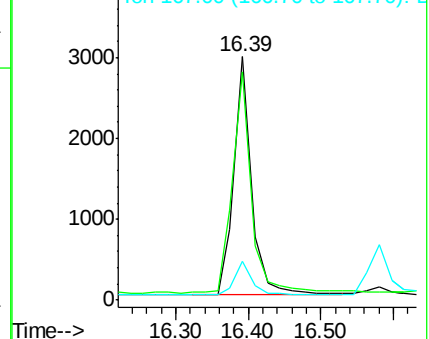
166 100

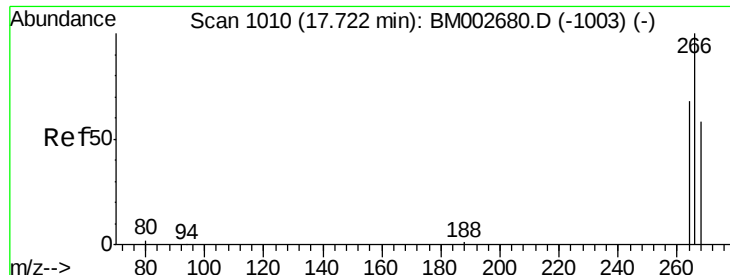
165 93.9 87.6 131.4

167 15.7 11.1 16.7



Abundance Ion 166.00 (165.70 to 166.70): E
Ion 165.00 (164.70 to 165.70): E
Ion 167.00 (166.70 to 167.70): E





#13

Pentachlorophenol

Concen: 0.11 ng/ul

RT: 17.74 min Scan# 1011

Delta R.T. 0.02 min

Lab File: BM002686.D

Acq: 11 Sep 2015 18:00

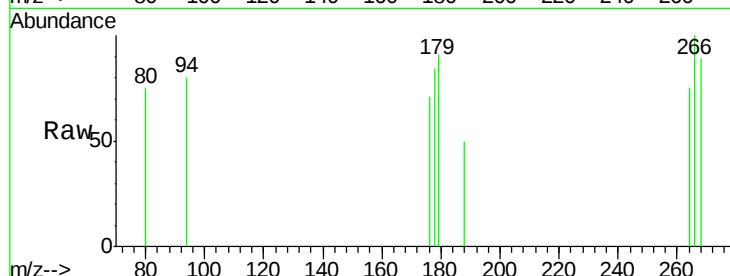
Tot Ion:266 Resp: 261

Ion Ratio Lower Upper

266 100

264 52.5 53.5 80.3#

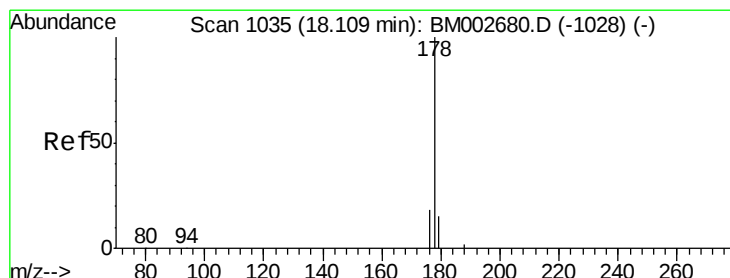
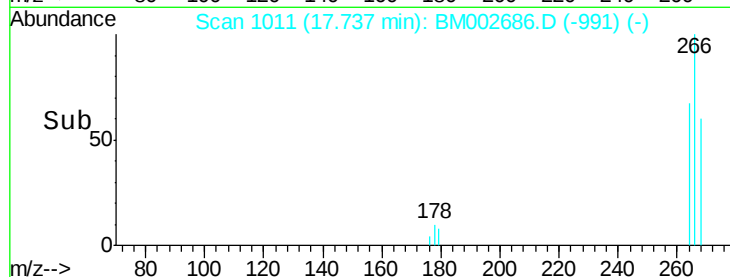
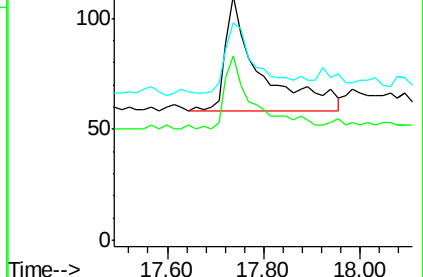
268 59.8 54.2 81.2



Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E



#14

Phenanthrene

Concen: 0.10 ng/ul

RT: 18.11 min Scan# 1035

Delta R.T. 0.00 min

Lab File: BM002686.D

Acq: 11 Sep 2015 18:00

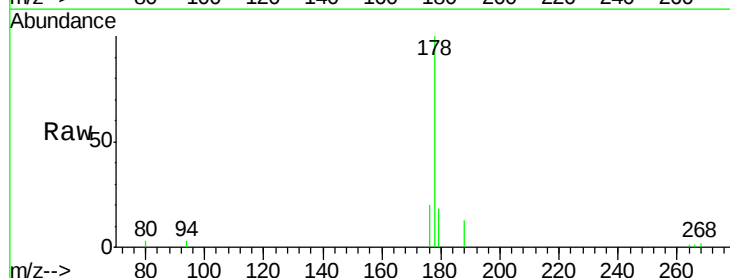
Tgt Ion:178 Resp: 6980

Ion Ratio Lower Upper

178 100

176 19.8 16.2 24.4

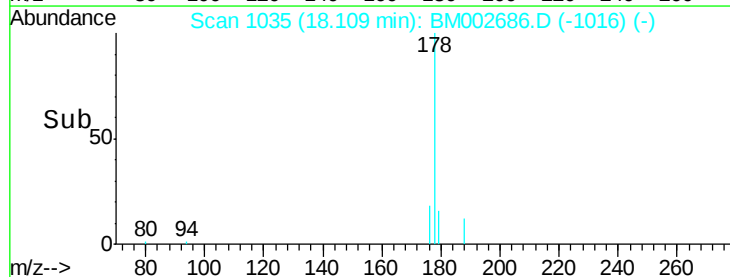
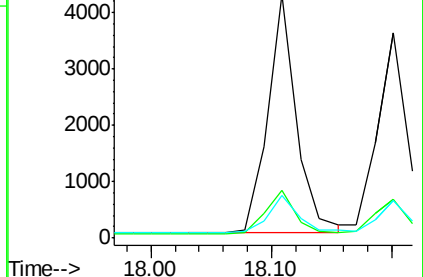
179 17.7 12.8 19.2

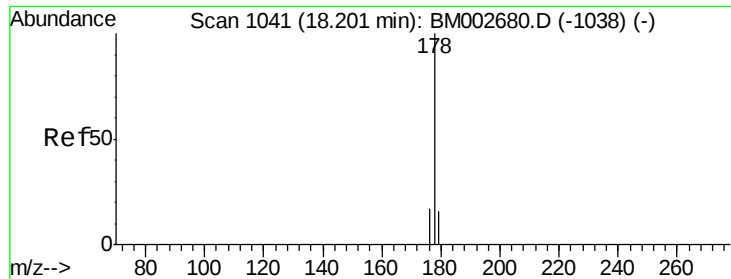


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#15

Anthracene

Concen: 0.09 ng/ul

RT: 18.20 min Scan# 1041

Delta R.T. 0.00 min

Lab File: BM002686.D

Acq: 11 Sep 2015 18:00

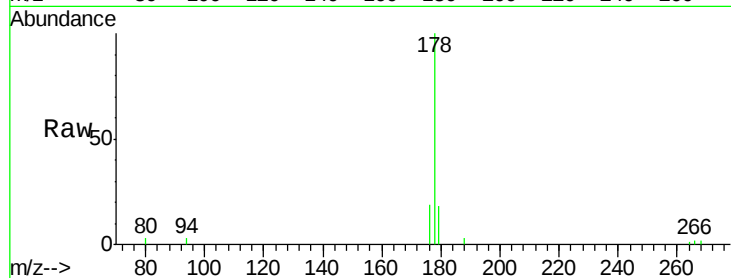
Tot Ion:178 Resp: 6696

Ion Ratio Lower Upper

178 100

176 18.8 15.8 23.8

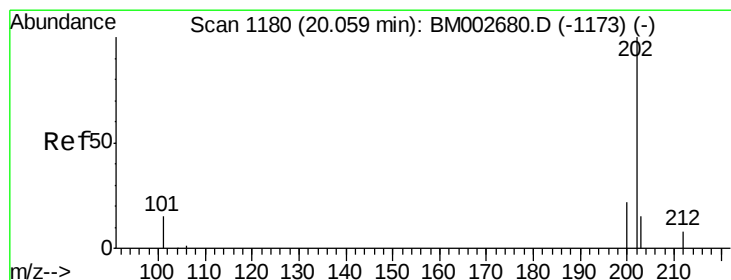
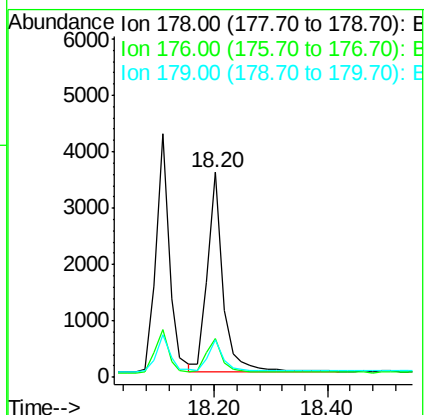
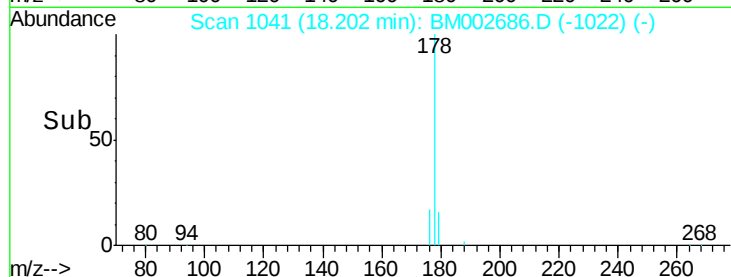
179 18.0 13.3 19.9



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



#17

Fluoranthene

Concen: 0.10 ng/ul

RT: 20.06 min Scan# 1180

Delta R.T. 0.00 min

Lab File: BM002686.D

Acq: 11 Sep 2015 18:00

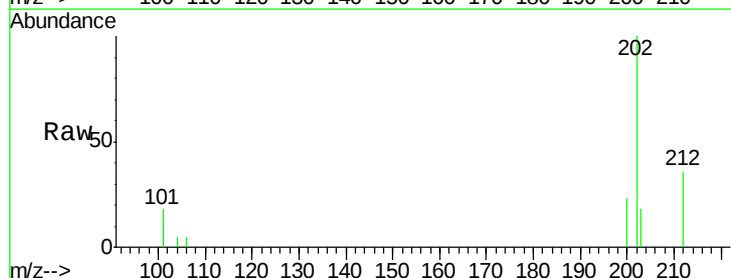
Tgt Ion:202 Resp: 7510

Ion Ratio Lower Upper

202 100

101 17.5 0.0 33.1

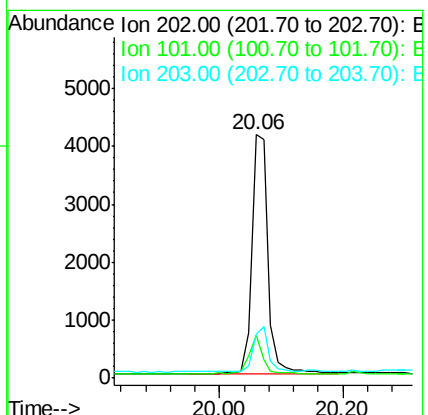
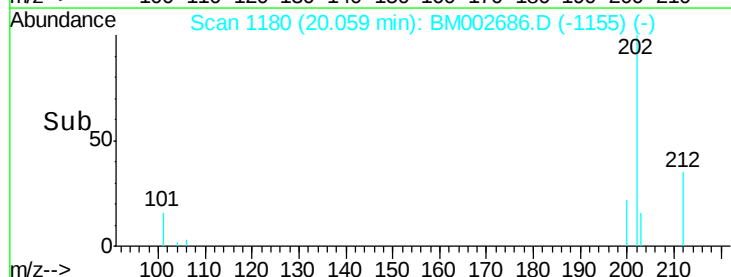
203 17.8 0.0 37.2

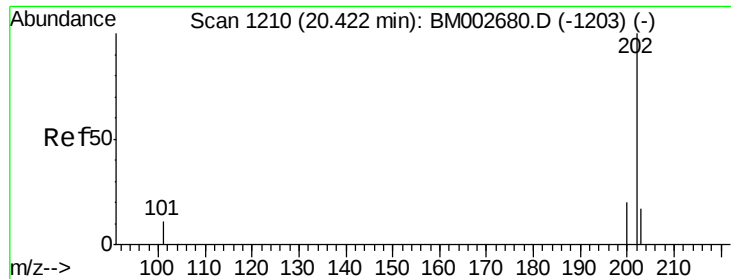


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

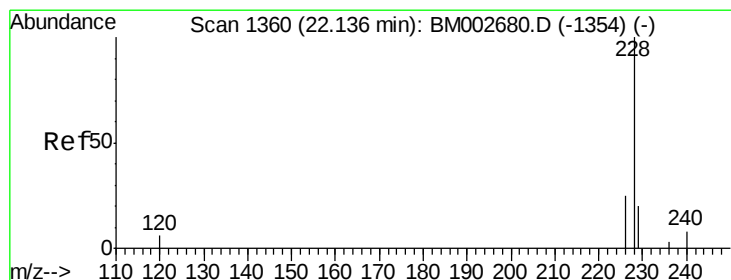
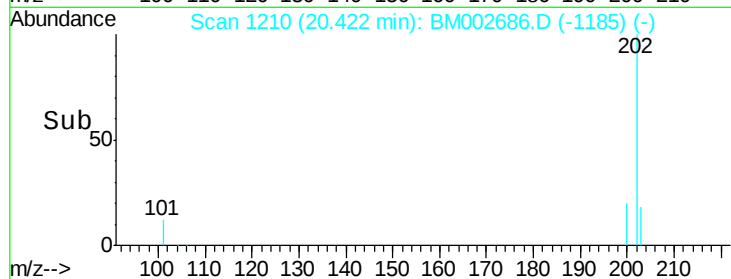
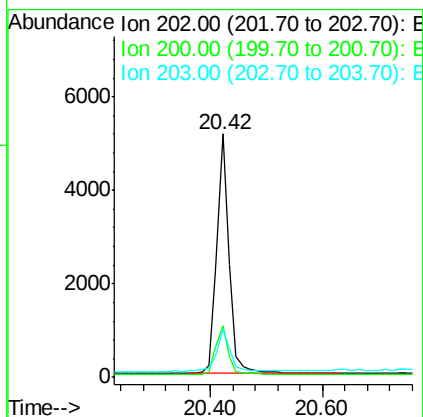
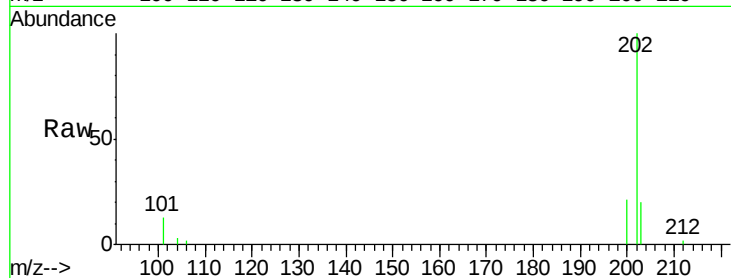
Ion 203.00 (202.70 to 203.70): E





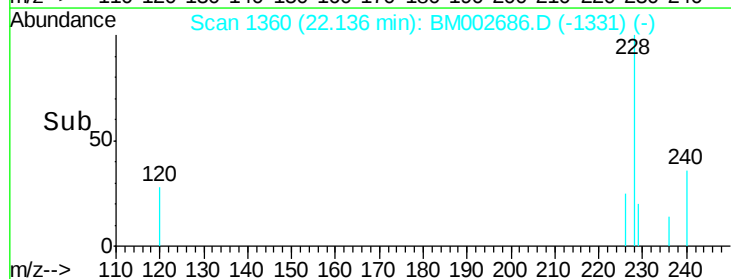
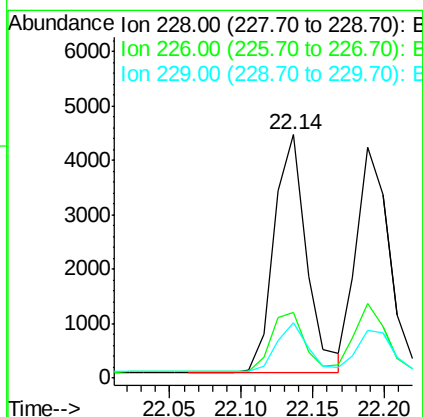
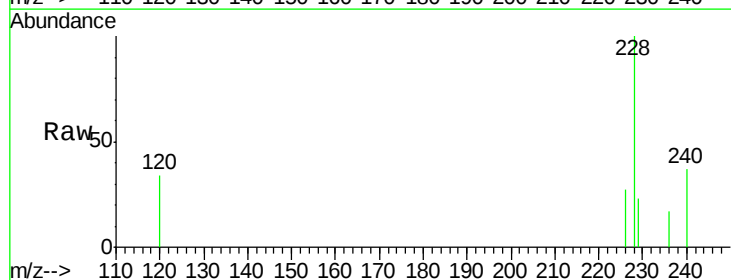
#19
Pvrene
Concen: 0.10 ng/ul
RT: 20.42 min Scan# 1210
Delta R.T. 0.00 min
Lab File: BM002686.D
Acq: 11 Sep 2015 18:00

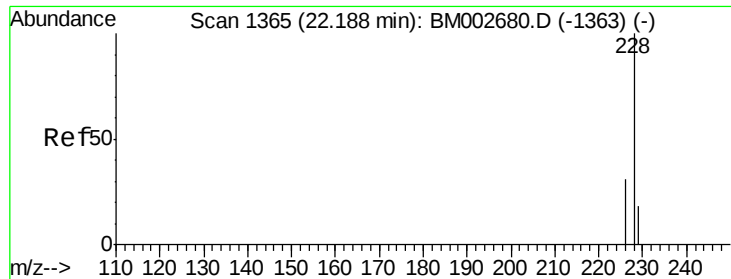
Tot Ion:202 Resp: 7751
Ion Ratio Lower Upper
202 100
200 21.1 18.0 27.0
203 19.6 13.8 20.6



#20
Benzo(a)anthracene
Concen: 0.10 ng/ul
RT: 22.14 min Scan# 1360
Delta R.T. 0.00 min
Lab File: BM002686.D
Acq: 11 Sep 2015 18:00

Tgt Ion:228 Resp: 6929
Ion Ratio Lower Upper
228 100
226 26.8 23.0 34.4
229 22.6 15.2 22.8





#21

Chrysene

Concen: 0.10 ng/ul

RT: 22.19 min Scan# 1365

Delta R.T. 0.00 min

Lab File: BM002686.D

Acq: 11 Sep 2015 18:00

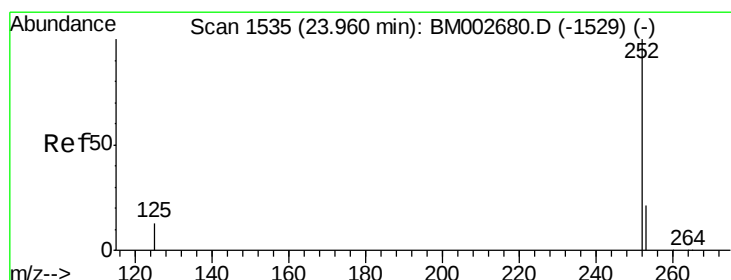
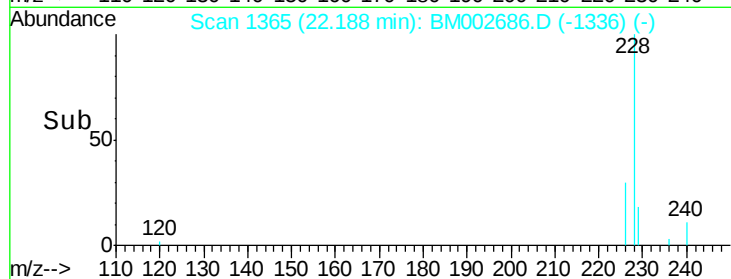
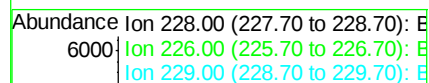
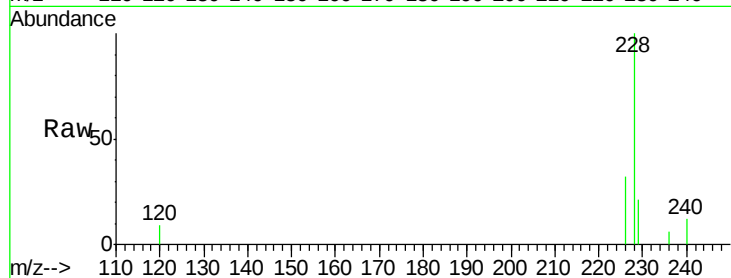
Tot Ion:228 Resp: 6878

Ion Ratio Lower Upper

228 100

226 32.3 25.7 38.5

229 20.8 15.2 22.8



#23

Benzo(b)fluoranthene

Concen: 0.10 ng/ul

RT: 23.96 min Scan# 1535

Delta R.T. 0.00 min

Lab File: BM002686.D

Acq: 11 Sep 2015 18:00

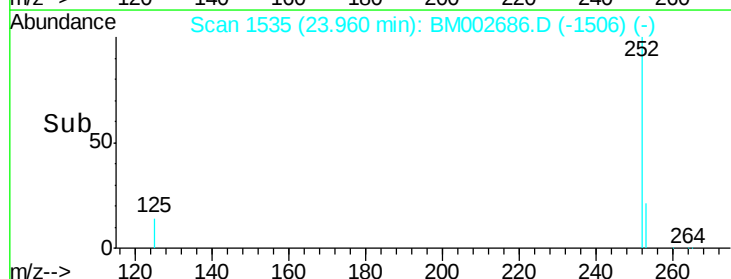
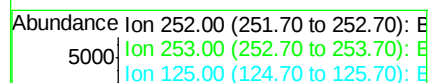
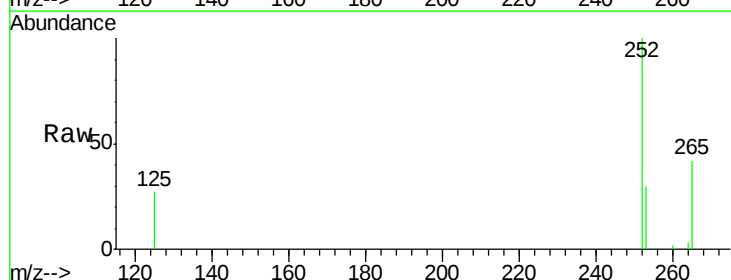
Tgt Ion:252 Resp: 7588

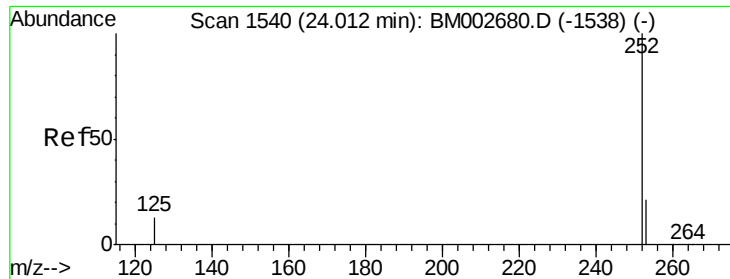
Ion Ratio Lower Upper

252 100

253 30.4 0.0 48.0

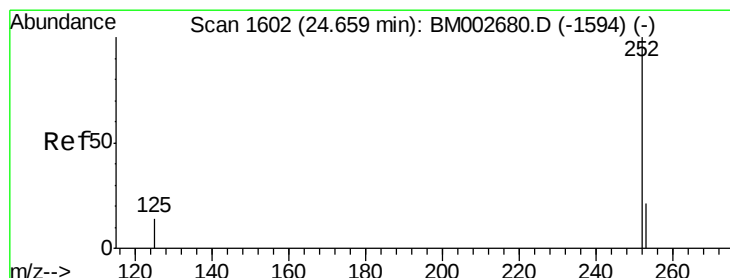
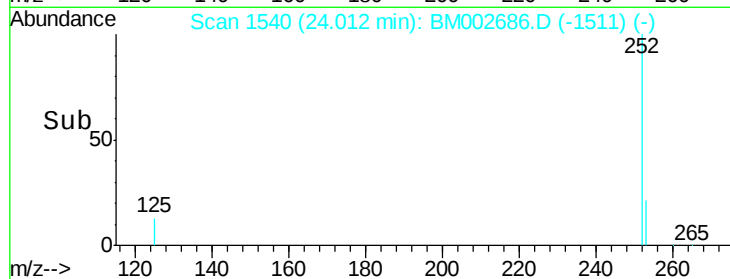
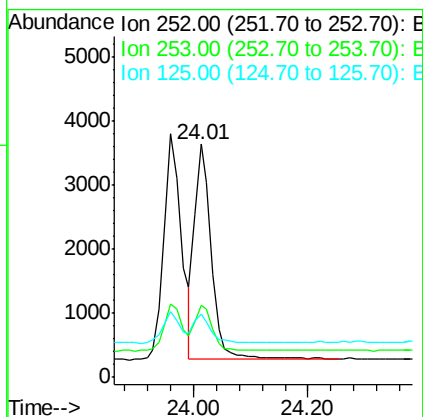
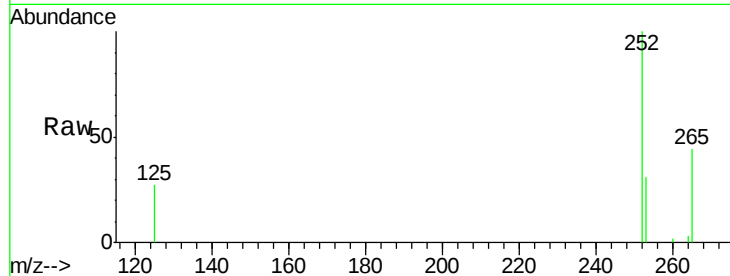
125 26.8 0.0 36.6





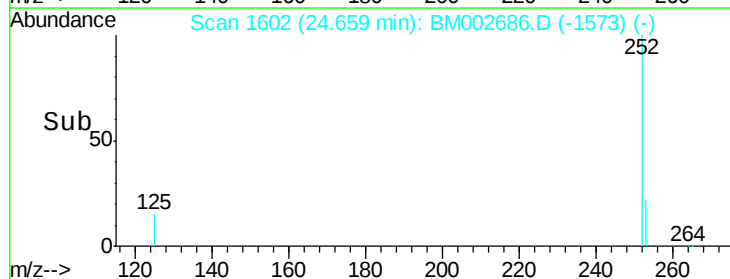
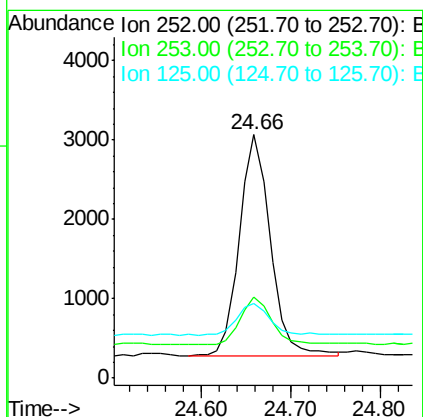
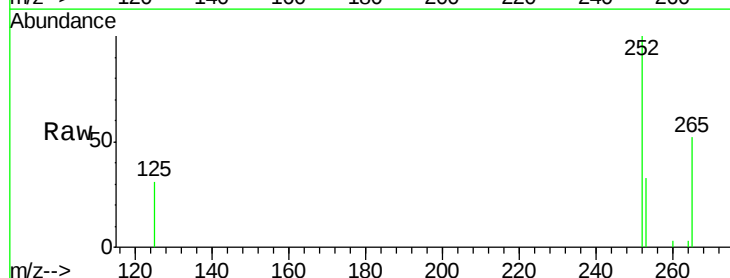
#24
Benzo(k)fluoranthene
Concen: 0.10 ng/ul
RT: 24.01 min Scan# 1540
Delta R.T. 0.00 min
Lab File: BM002686.D
Acq: 11 Sep 2015 18:00

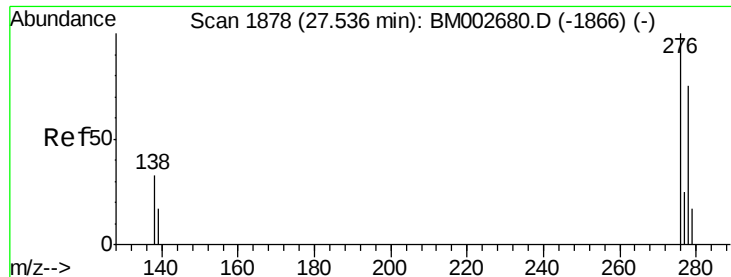
Tot Ion:252 Resp: 6759
Ion Ratio Lower Upper
252 100
253 30.7 20.8 31.2
125 27.1 12.2 18.4#



#25
Benzo(a)pyrene
Concen: 0.10 ng/ul
RT: 24.66 min Scan# 1602
Delta R.T. 0.00 min
Lab File: BM002686.D
Acq: 11 Sep 2015 18:00

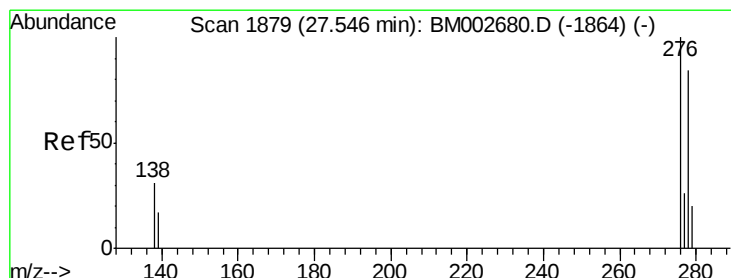
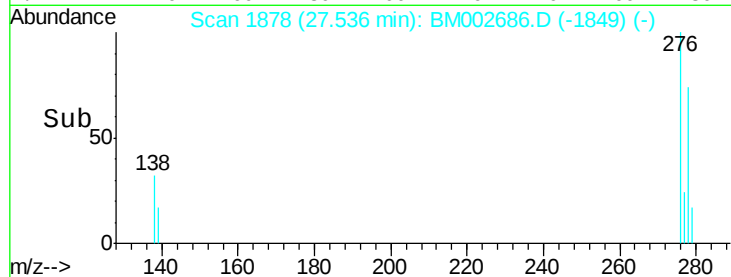
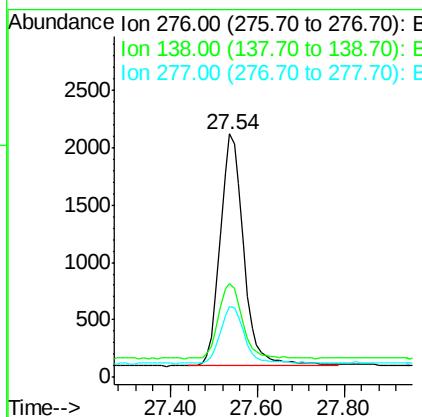
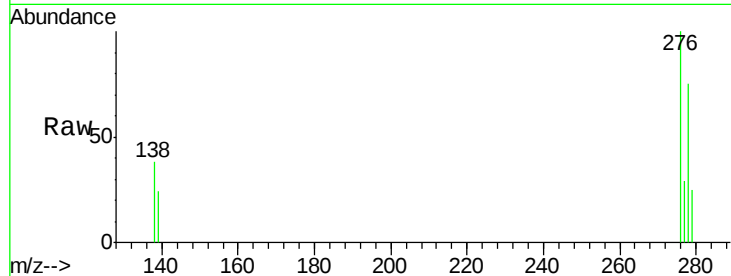
Tgt Ion:252 Resp: 6688
Ion Ratio Lower Upper
252 100
253 33.4 21.8 32.8#
125 30.7 14.5 21.7#





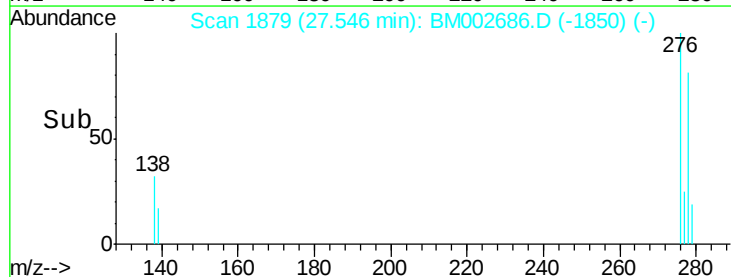
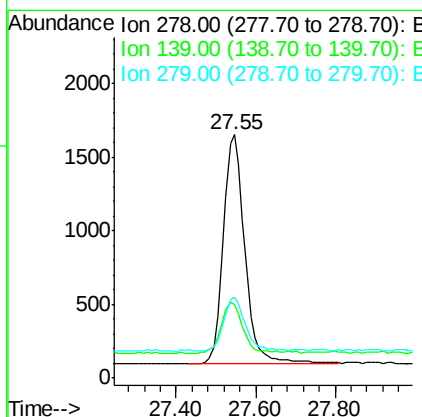
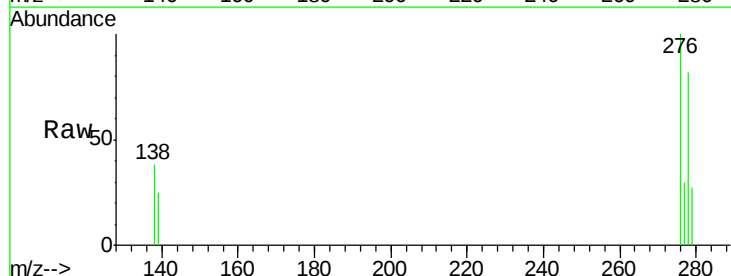
#26
 Indeno(1,2,3-cd)pyrene
 Concen: 0.09 ng/ul
 RT: 27.54 min Scan# 1878
 Delta R.T. 0.00 min
 Lab File: BM002686.D
 Acq: 11 Sep 2015 18:00

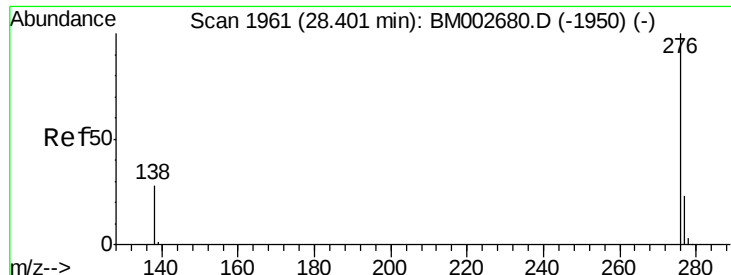
Tot Ion:276 Resp: 7603
 Ion Ratio Lower Upper
 276 100
 138 33.2 27.5 41.3
 277 25.1 19.3 28.9



#27
 Dibenzo(a,h)anthracene
 Concen: 0.09 ng/ul
 RT: 27.55 min Scan# 1879
 Delta R.T. 0.00 min
 Lab File: BM002686.D
 Acq: 11 Sep 2015 18:00

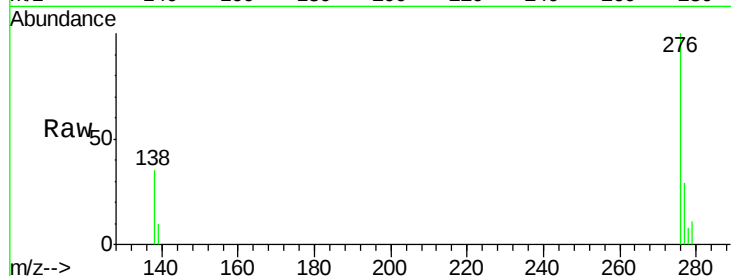
Tgt Ion:278 Resp: 5906
 Ion Ratio Lower Upper
 278 100
 139 30.3 21.7 32.5
 279 33.4 21.9 32.9#





#28
 Benzo(a,h,i)perylene
 Concen: 0.10 ng/ul
 RT: 28.40 min Scan# 1961
 Delta R.T. 0.00 min
 Lab File: BM002686.D
 Acq: 11 Sep 2015 18:00

Tot Ion	Ratio	Lower	Upper
276	100		
277	28.7	21.3	31.9
138	35.1	25.5	38.3



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

