

Data Path : Z:\HPCHEM1\BNA M\DATA\BM041815\
 Data File : BM001055.D
 Acq On : 18 Apr 2015 11:00
 Operator : TP/IZ
 Sample : SSTDCCC001
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Quant Time: Apr 20 08:17:00 2015

Quant Method : Z:\HPCHEM1\BNA M\METHODS\SIMPAH-BM041815.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Mon Apr 20 08:05:22 2015

Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.58	152	16721	5.00	ng	0.00
4) Naphthalene-d8	10.36	136	60092	5.00	ng	0.00
8) Acenaphthene-d10	14.24	164	31772	5.00	ng	0.00
13) Phenanthrene-d10	16.99	188	69451	5.00	ng	0.00
19) Chrysene-d12	21.19	240	59295	5.00	ng	0.00
25) Perylene-d12	23.36	264	53525	5.00	ng	0.00

System Monitoring Compounds

5) Nitrobenzene-d5	8.74	82	3190	1.02	ng	0.00
9) 2-Fluorobiphenyl	12.86	172	10313	0.98	ng	0.00
21) Terphenyl-d14	19.63	244	7860	1.00	ng	0.00

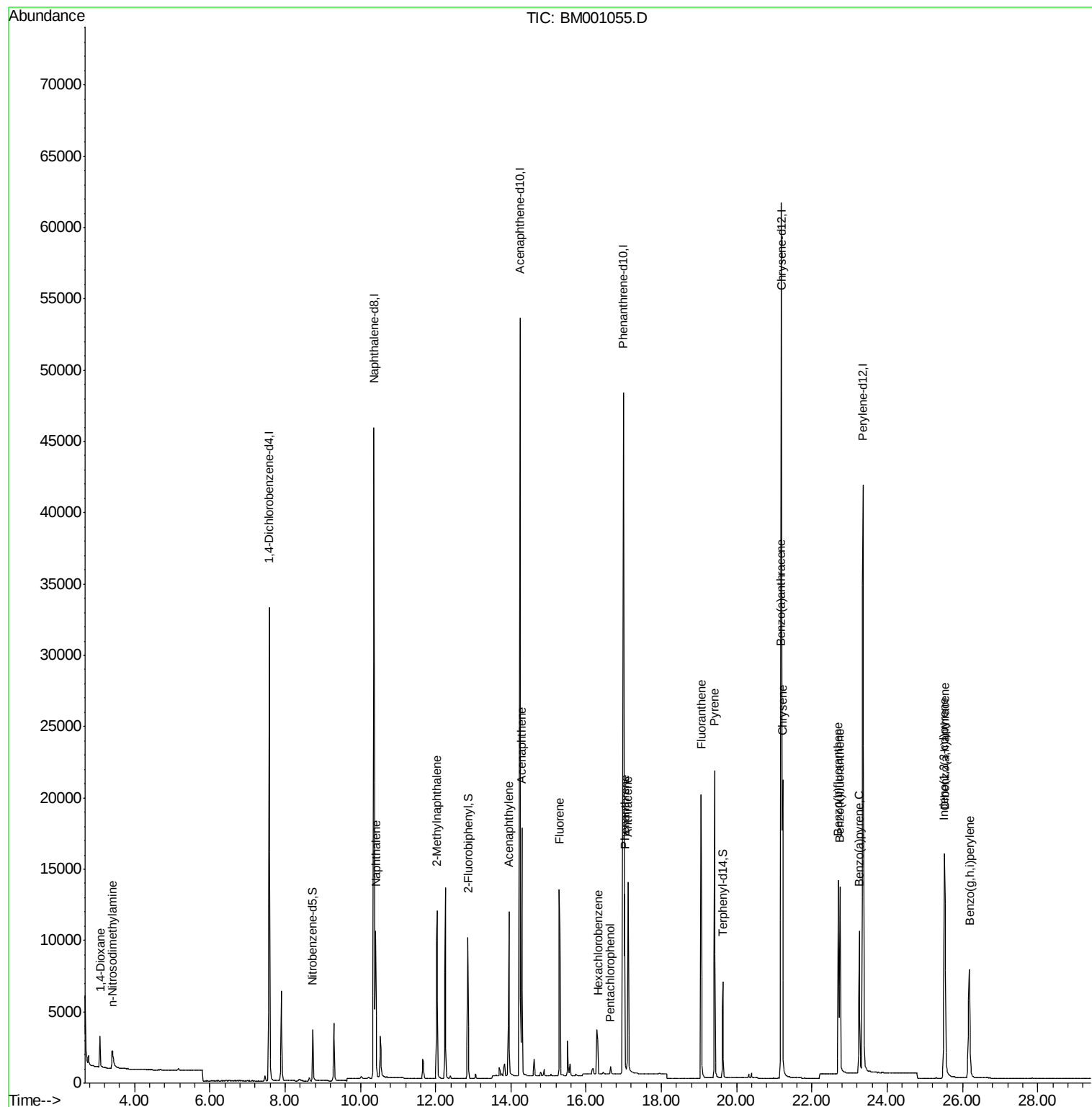
Target Compounds

						Ovalue
2) 1,4-Dioxane	3.08	88	1786	0.95	ng	# 100
3) n-Nitrosodimethylamine	3.41	42	1670	0.95	ng	# 99
6) Naphthalene	10.41	128	14131	0.99	ng	100
7) 2-Methylnaphthalene	12.04	142	9137	0.99	ng	99
10) Acenaphthylene	13.95	152	13914	0.99	ng	100
11) Acenaphthene	14.29	154	9311	0.95	ng	99
12) Fluorene	15.29	166	11146	0.98	ng	99
14) Hexachlorobenzene	16.31	284	3719	0.97	ng	# 100
15) Pentachlorophenol	16.64	266	660	0.75	ng	95
16) Phenanthrene	17.03	178	17830	0.97	ng	99
17) Anthracene	17.11	178	16671	0.98	ng	100
18) Fluoranthene	19.05	202	18560	0.97	ng	100
20) Pyrene	19.42	202	19521	0.99	ng	100
22) Benzo(a)anthracene	21.17	228	16859	0.98	ng	98
23) Chrysene	21.22	228	18204	1.01	ng	97
24) Indeno(1,2,3-cd)pyrene	25.52	276	18387	1.00	ng	100
26) Benzo(b)fluoranthene	22.70	252	16571	0.96	ng	99
27) Benzo(k)fluoranthene	22.74	252	17003	1.03	ng	98
28) Benzo(a)pyrene	23.25	252	14583	0.99	ng	99
29) Dibenzo(a,h)anthracene	25.53	278	14489	1.00	ng	100
30) Benzo(g,h,i)perylene	26.18	276	15530	0.99	ng	97

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

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#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 7.58 min Scan# 631

Delta R.T. 0.00 min

Lab File: BM001055.D

Acq: 18 Apr 2015 11:00

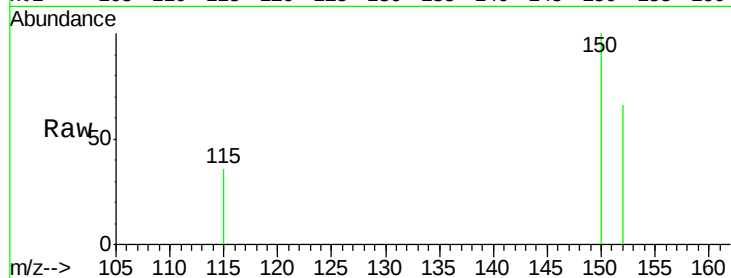
Tot Ion:152 Resp: 16721

Ion Ratio Lower Upper

152 100

150 151.7 123.3 184.9

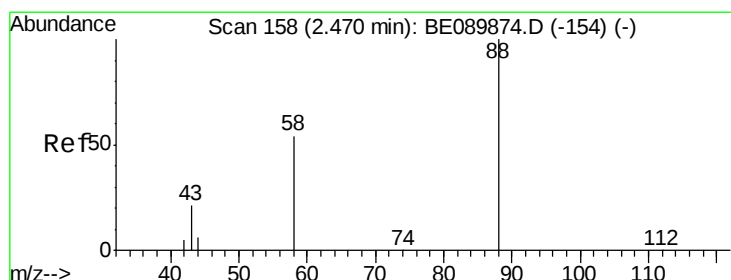
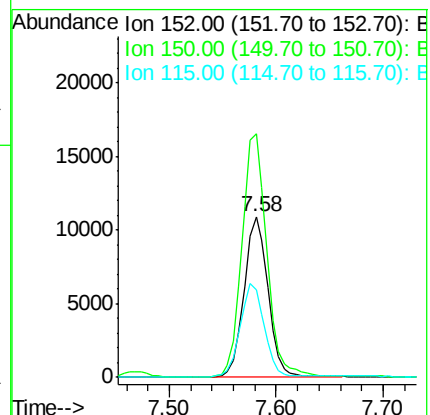
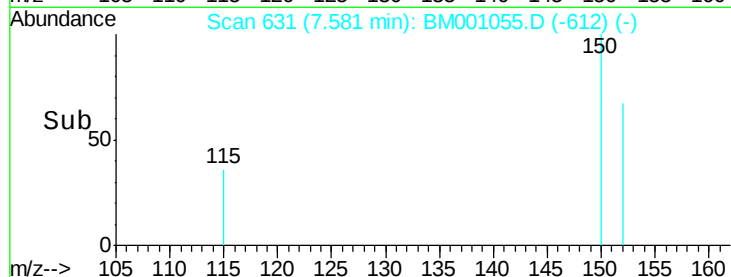
115 54.4 45.0 67.6



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



#2

1,4-Dioxane

Concen: 0.95 ng

RT: 3.08 min Scan# 39

Delta R.T. 0.00 min

Lab File: BM001055.D

Acq: 18 Apr 2015 11:00

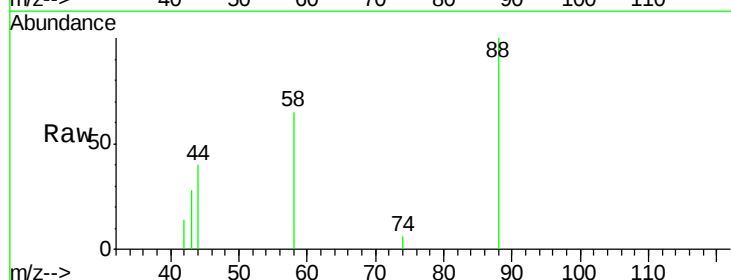
Tgt Ion: 88 Resp: 1786

Ion Ratio Lower Upper

88 100

58 72.8 0.0 0.0#

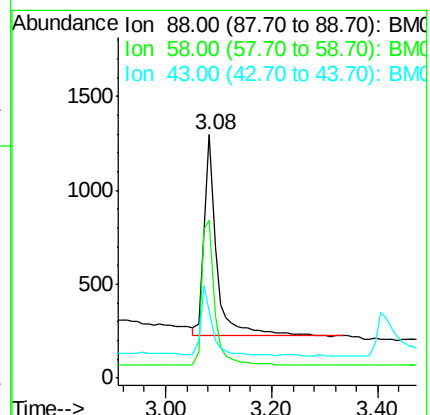
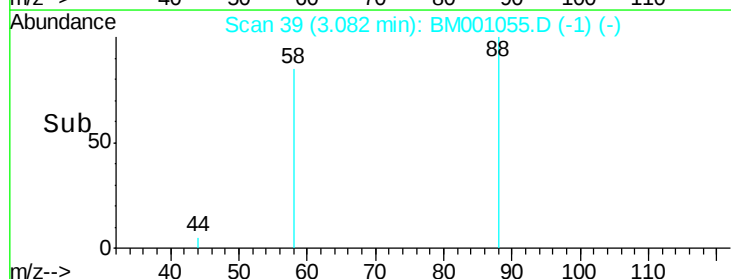
43 28.9 0.0 0.0#

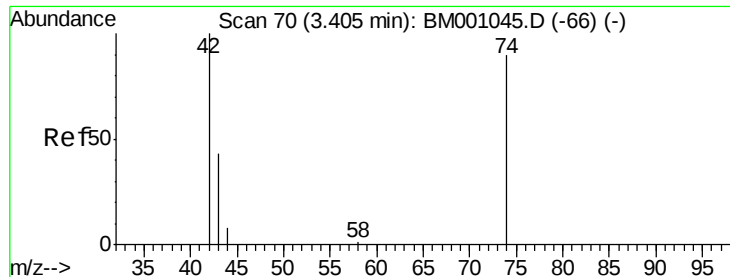


Abundance Ion 88.00 (87.70 to 88.70): BM0

Ion 58.00 (57.70 to 58.70): BM0

Ion 43.00 (42.70 to 43.70): BM0





#3

n-Nitrosodimethylamine

Concen: 0.95 ng

RT: 3.41 min Scan# 70

Delta R.T. 0.00 min

Lab File: BM001055.D

Acq: 18 Apr 2015 11:00

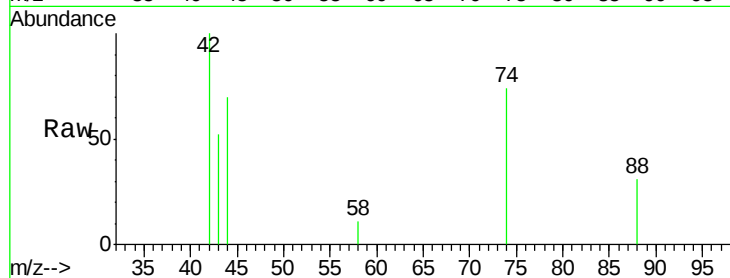
Tot Ion: 42 Resp: 1670

Ion Ratio Lower Upper

42 100

74 115.0 92.1 138.1

44 11.3 5.8 8.6#

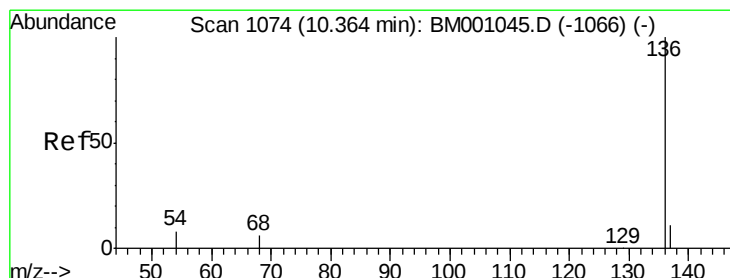
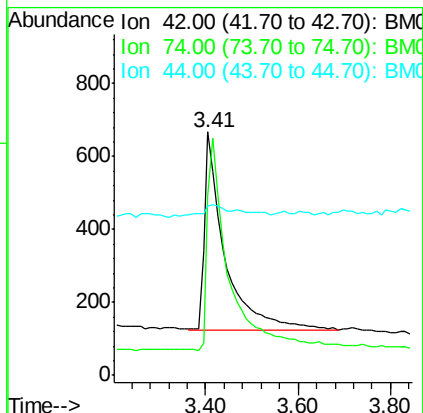
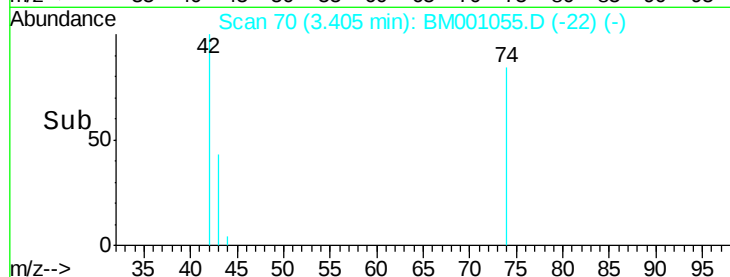


Abundance Ion 42.00 (41.70 to 42.70): BM001045.D (-66) (-)

Ion 74.00 (73.70 to 74.70): BM001045.D (-66) (-)

Ion 44.00 (43.70 to 44.70): BM001045.D (-66) (-)

Time-->



#4

Naphthalene-d8

Concen: 5.00 ng

RT: 10.36 min Scan# 1074

Delta R.T. 0.00 min

Lab File: BM001055.D

Acq: 18 Apr 2015 11:00

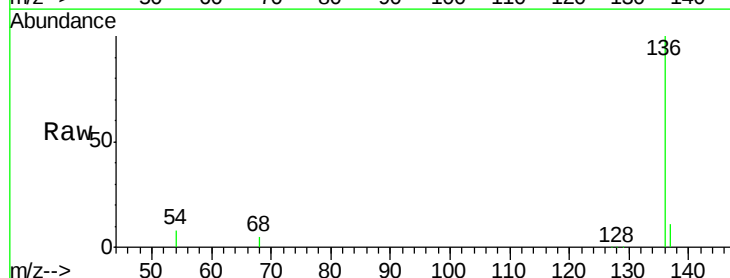
Tgt Ion: 136 Resp: 60092

Ion Ratio Lower Upper

136 100

137 10.9 8.6 13.0

54 7.6 6.5 9.7

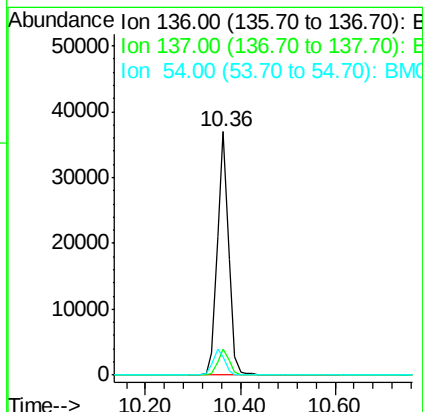
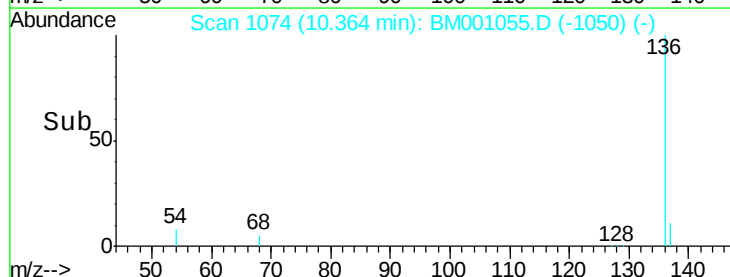


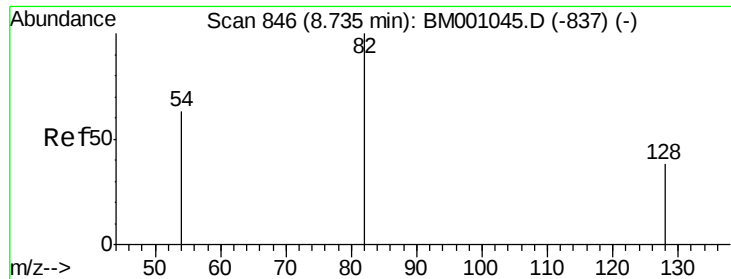
Abundance Ion 136.00 (135.70 to 136.70): BM001045.D (-1066) (-)

Ion 137.00 (136.70 to 137.70): BM001045.D (-1066) (-)

Ion 54.00 (53.70 to 54.70): BM001045.D (-1066) (-)

Time-->





#5

Nitrobenzene-d5

Concen: 1.02 ng

RT: 8.74 min Scan# 846

Delta R.T. 0.00 min

Lab File: BM001055.D

Acq: 18 Apr 2015 11:00

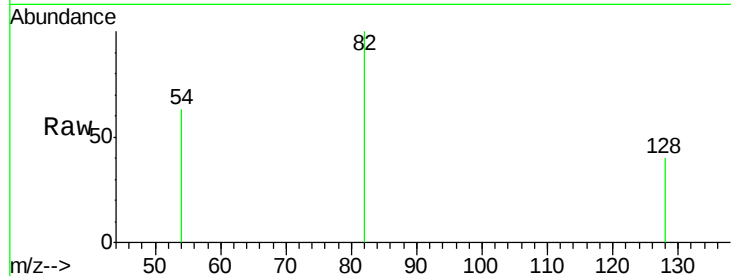
Tot Ion: 82 Resp: 3190

Ion Ratio Lower Upper

82 100

128 40.2 31.9 47.9

54 63.2 51.3 76.9

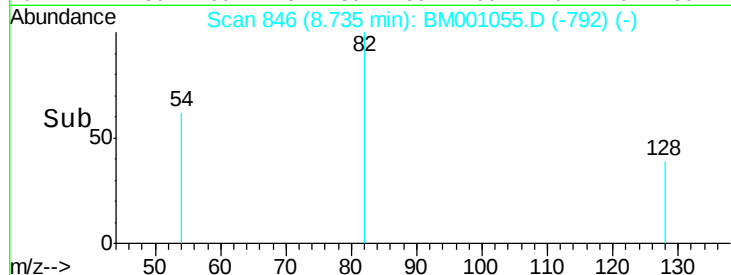


Abundance Ion 82.00 (81.70 to 82.70): BM001045.D (-837) (-)

Ion 128.00 (127.70 to 128.70): BM001045.D (-837) (-)

Ion 54.00 (53.70 to 54.70): BM001045.D (-837) (-)

Time--> 8.60 8.70 8.80 8.90

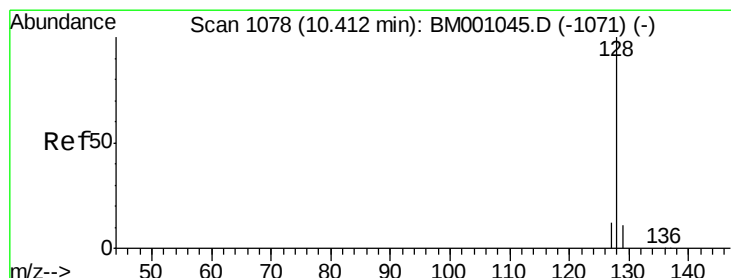


Abundance Ion 82.00 (81.70 to 82.70): BM001055.D (-792) (-)

Ion 128.00 (127.70 to 128.70): BM001055.D (-792) (-)

Ion 54.00 (53.70 to 54.70): BM001055.D (-792) (-)

Time--> 8.60 8.70 8.80 8.90



#6

Naphthalene

Concen: 0.99 ng

RT: 10.41 min Scan# 1078

Delta R.T. 0.00 min

Lab File: BM001055.D

Acq: 18 Apr 2015 11:00

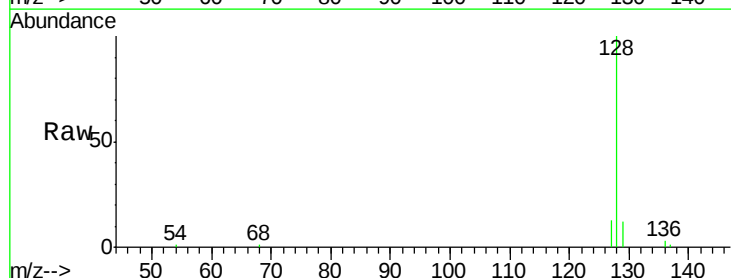
Tgt Ion: 128 Resp: 14131

Ion Ratio Lower Upper

128 100

129 11.6 9.3 13.9

127 12.5 10.0 15.0

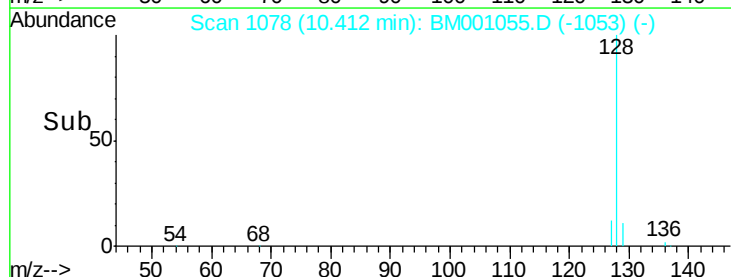


Abundance Ion 128.00 (127.70 to 128.70): BM001045.D (-1071) (-)

Ion 129.00 (128.70 to 129.70): BM001045.D (-1071) (-)

Ion 127.00 (126.70 to 127.70): BM001045.D (-1071) (-)

Time--> 10.30 10.40 10.50



Abundance Ion 128.00 (127.70 to 128.70): BM001055.D (-1053) (-)

Ion 129.00 (128.70 to 129.70): BM001055.D (-1053) (-)

Ion 127.00 (126.70 to 127.70): BM001055.D (-1053) (-)

Time--> 10.30 10.40 10.50



#7

2-Methylnaphthalene

Concen: 0.99 ng

RT: 12.04 min Scan# 1224

Delta R.T. 0.00 min

Lab File: BM001055.D

Acq: 18 Apr 2015 11:00

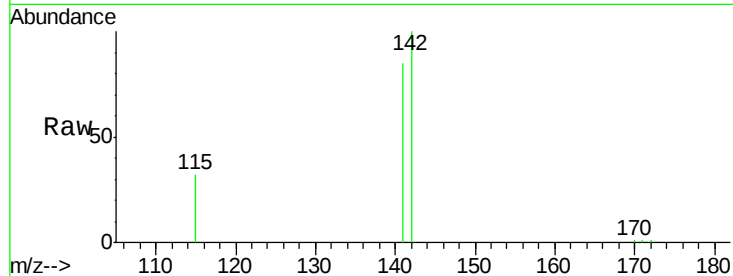
Tot Ion:142 Resp: 9137

Ion Ratio Lower Upper

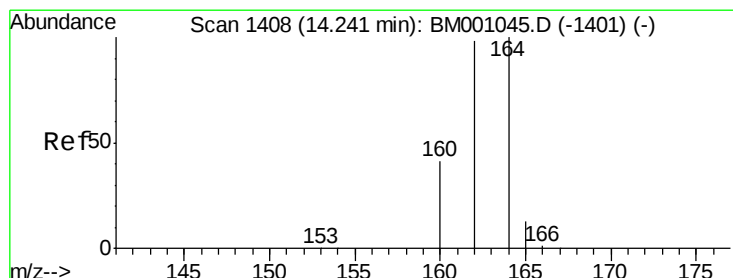
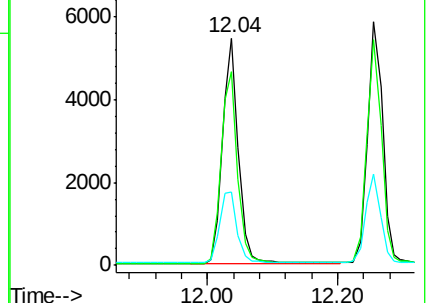
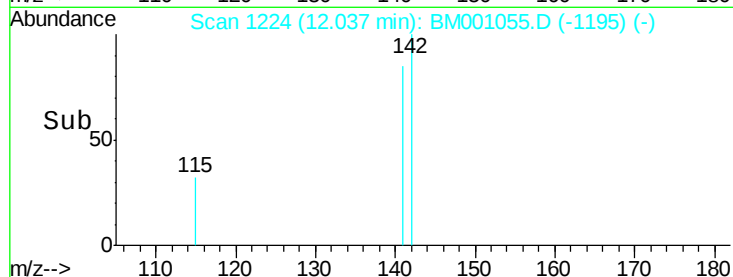
142 100

141 85.0 66.7 100.1

115 32.2 25.5 38.3



Abundance Ion 142.00 (141.70 to 142.70): E
Ion 141.00 (140.70 to 141.70): E
Ion 115.00 (114.70 to 115.70): E



#8

Acenaphthene-d10

Concen: 5.00 ng

RT: 14.24 min Scan# 1408

Delta R.T. 0.00 min

Lab File: BM001055.D

Acq: 18 Apr 2015 11:00

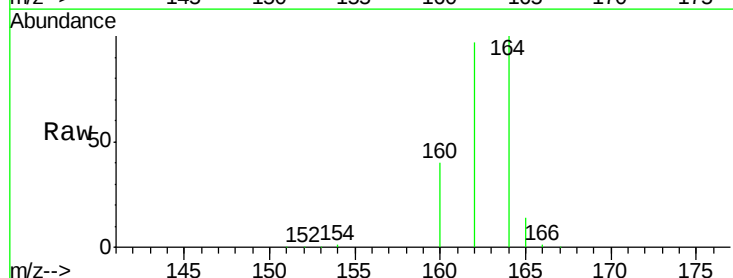
Tgt Ion:164 Resp: 31772

Ion Ratio Lower Upper

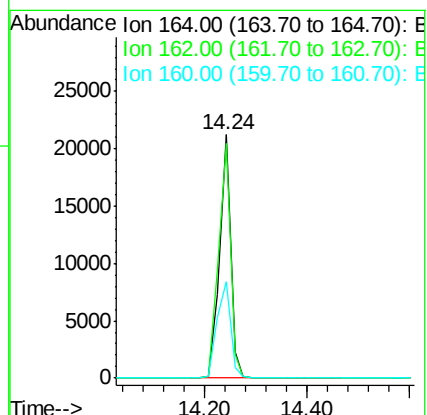
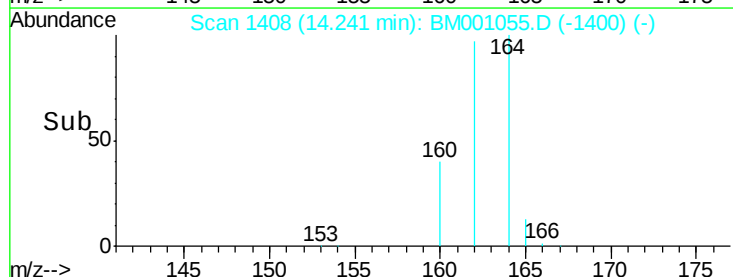
164 100

162 96.6 78.5 117.7

160 39.9 32.9 49.3



Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E





#9

2-Fluorobiphenyl

Concen: 0.98 ng

RT: 12.86 min Scan# 1303

Delta R.T. 0.00 min

Lab File: BM001055.D

Acq: 18 Apr 2015 11:00

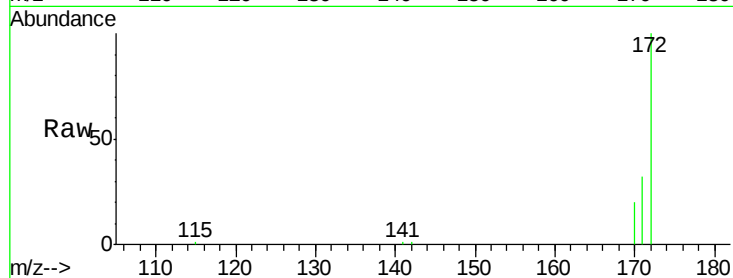
Tot Ion:172 Resp: 10313

Ion Ratio Lower Upper

172 100

171 32.1 25.6 38.4

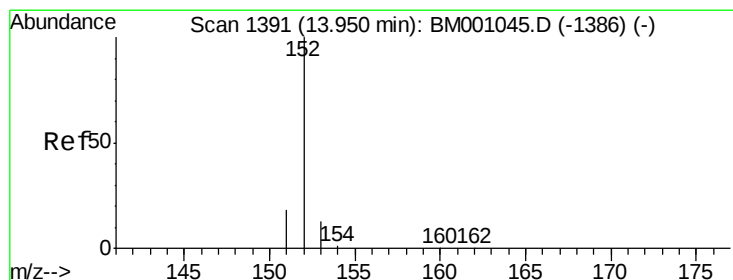
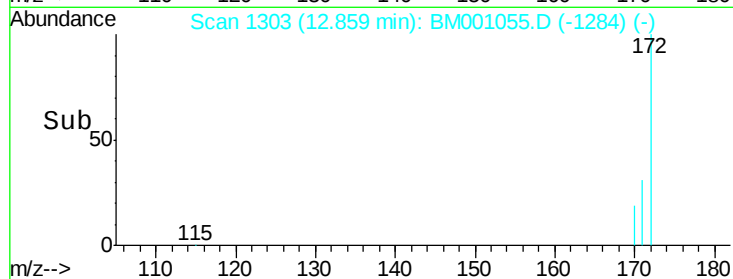
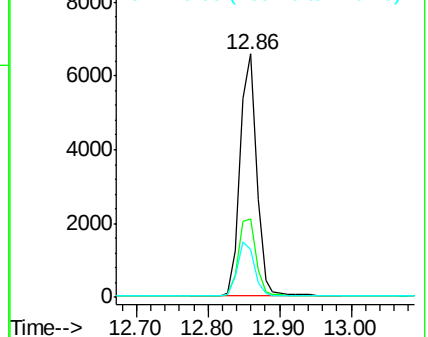
170 19.9 15.8 23.6



Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E



#10

Acenaphthylene

Concen: 0.99 ng

RT: 13.95 min Scan# 1391

Delta R.T. 0.00 min

Lab File: BM001055.D

Acq: 18 Apr 2015 11:00

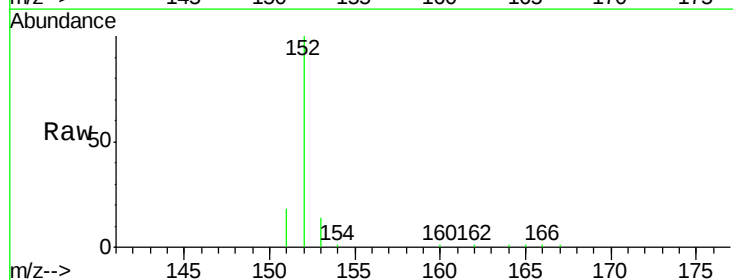
Tgt Ion:152 Resp: 13914

Ion Ratio Lower Upper

152 100

151 18.5 14.7 22.1

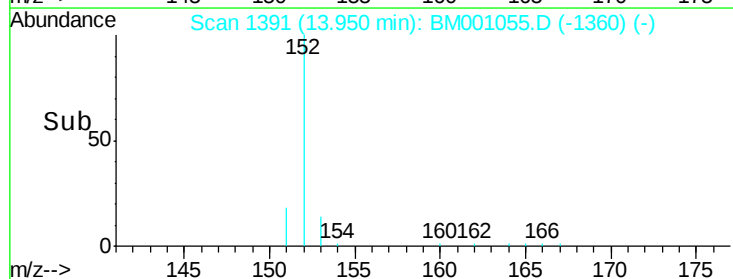
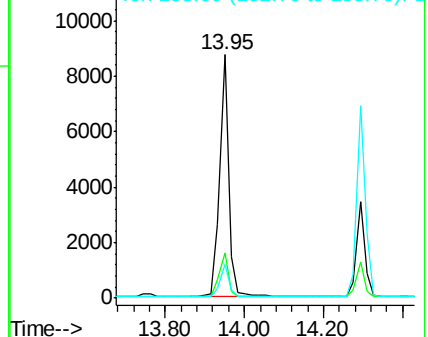
153 12.9 10.2 15.2

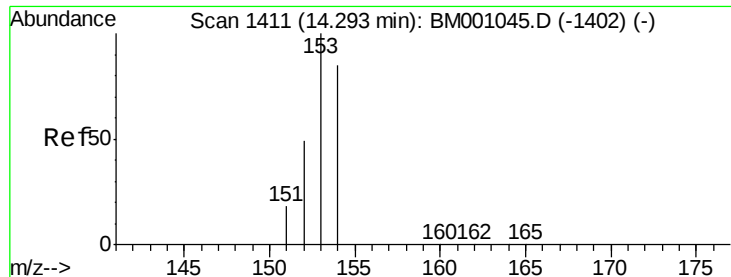


Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E





#11

Acenaphthene

Concen: 0.95 ng

RT: 14.29 min Scan# 1411

Delta R.T. 0.00 min

Lab File: BM001055.D

Acq: 18 Apr 2015 11:00

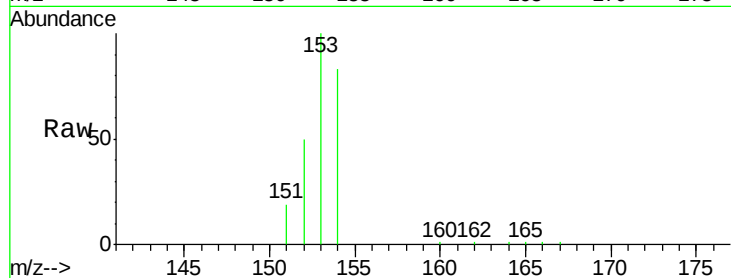
Tot Ion:154 Resp: 9311

Ion Ratio Lower Upper

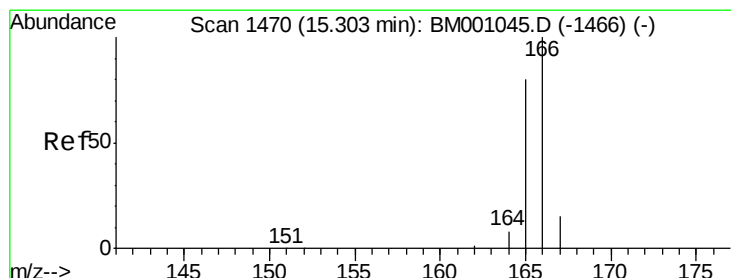
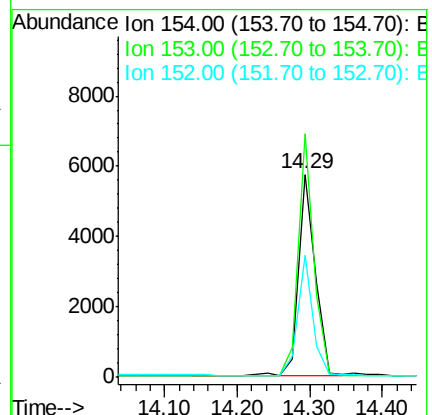
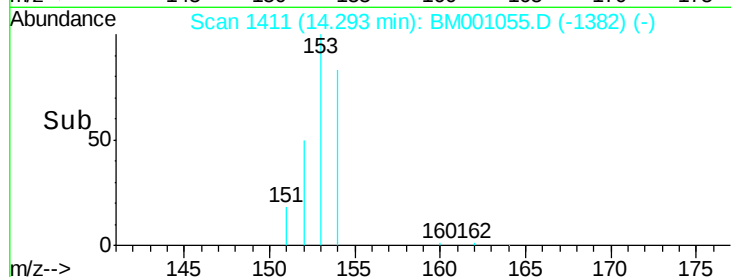
154 100

153 110.9 88.1 132.1

152 54.0 42.3 63.5



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



#12

Fluorene

Concen: 0.98 ng

RT: 15.29 min Scan# 1469

Delta R.T. -0.02 min

Lab File: BM001055.D

Acq: 18 Apr 2015 11:00

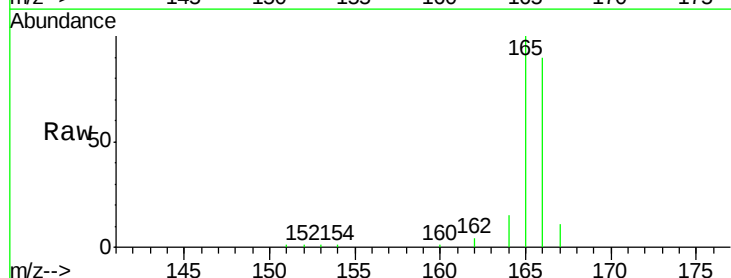
Tgt Ion:166 Resp: 11146

Ion Ratio Lower Upper

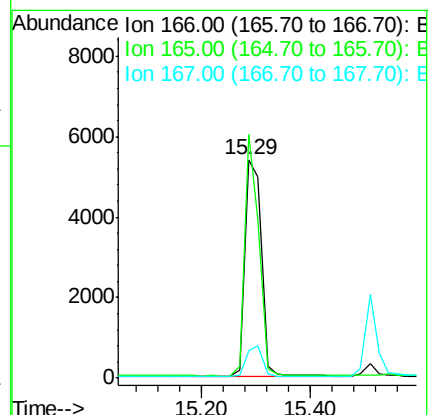
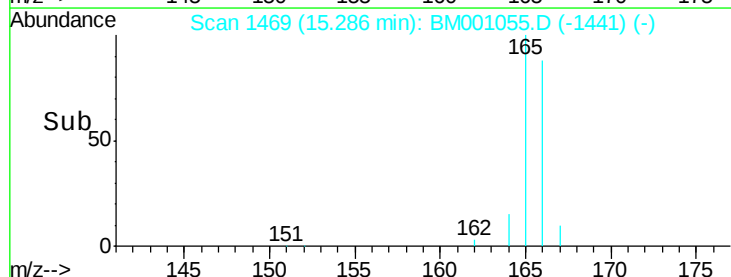
166 100

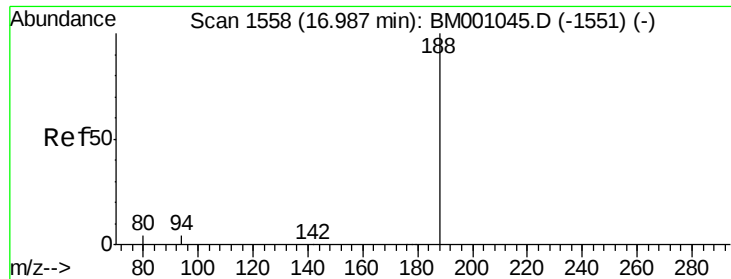
165 96.4 77.6 116.4

167 13.4 10.6 16.0



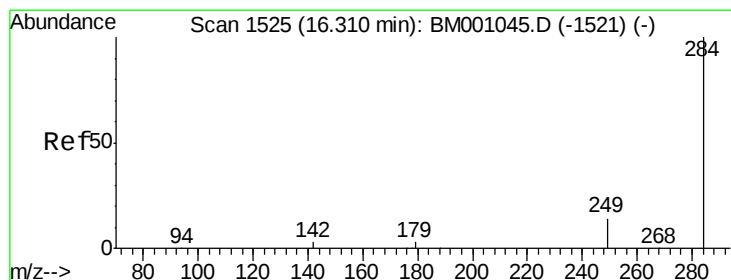
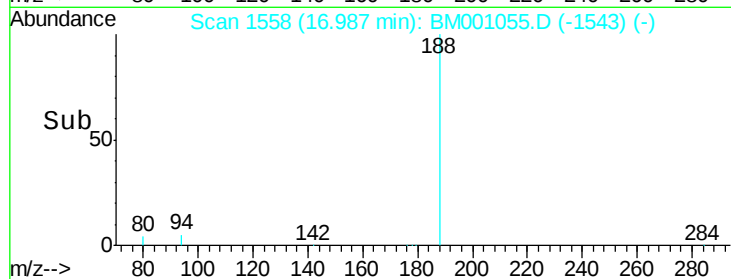
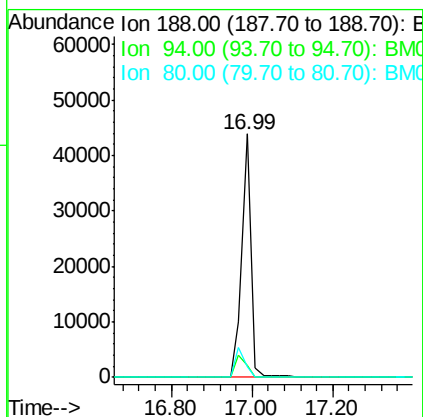
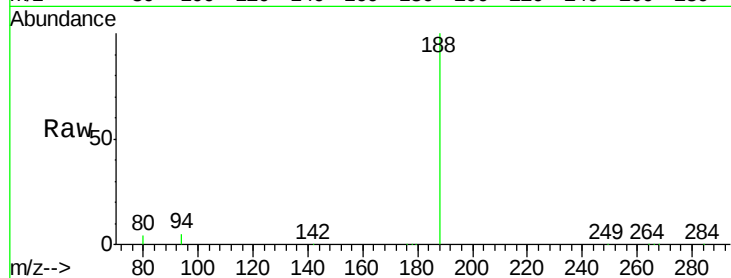
Abundance Ion 166.00 (165.70 to 166.70): E
Ion 165.00 (164.70 to 165.70): E
Ion 167.00 (166.70 to 167.70): E





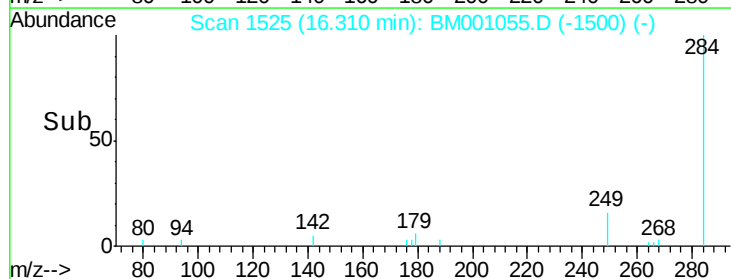
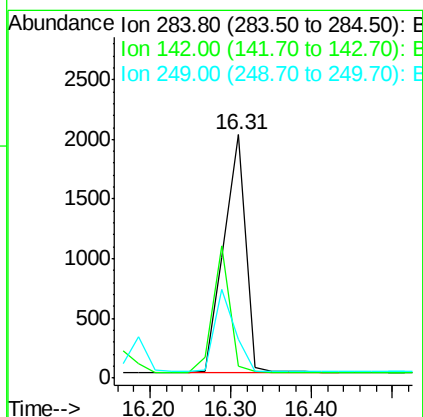
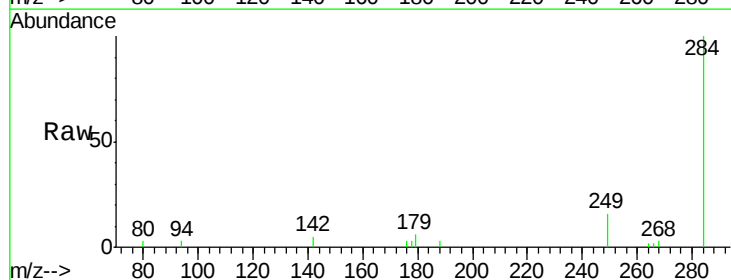
#13
Phenanthrene-d10
Concen: 5.00 ng
RT: 16.99 min Scan# 1558
Delta R.T. 0.00 min
Lab File: BM001055.D
Acq: 18 Apr 2015 11:00

Tot Ion:188 Resp: 69451
Ion Ratio Lower Upper
188 100
94 4.7 3.6 5.4
80 4.2 3.0 4.6



#14
Hexachlorobenzene
Concen: 0.97 ng
RT: 16.31 min Scan# 1525
Delta R.T. 0.00 min
Lab File: BM001055.D
Acq: 18 Apr 2015 11:00

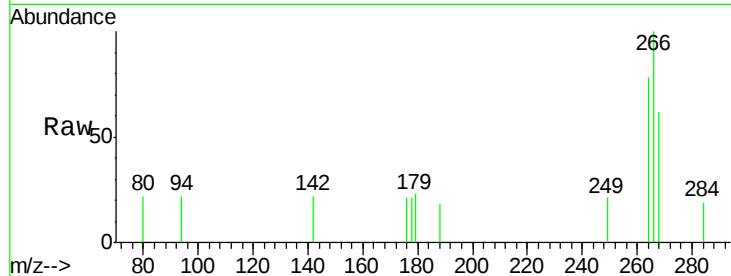
Tgt Ion:284 Resp: 3719
Ion Ratio Lower Upper
284 100
142 0.0 0.0 0.0
249 0.0 0.0 0.0



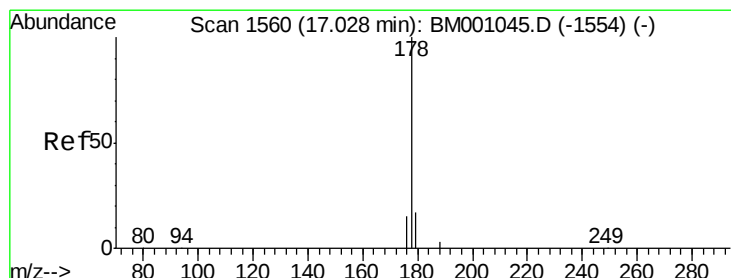
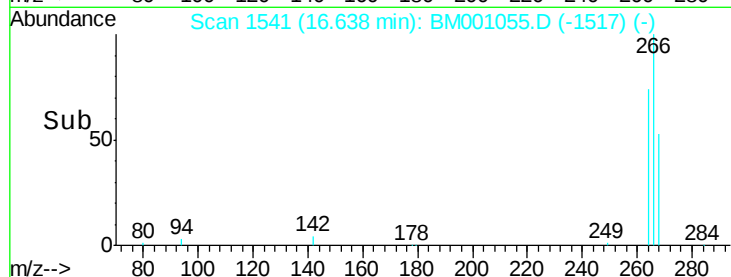
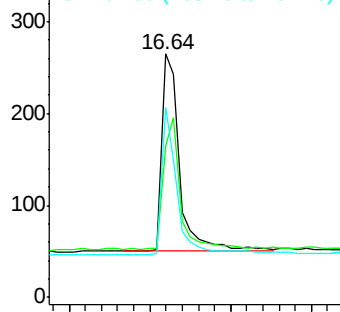


#15
 Pentachlorophenol
 Concen: 0.75 ng
 RT: 16.64 min Scan# 1541
 Delta R.T. 0.00 min
 Lab File: BM001055.D
 Acq: 18 Apr 2015 11:00

Tot Ion	Ratio	Lower	Upper
266	100		
268	62.3	46.3	69.5
264	78.1	59.8	89.6

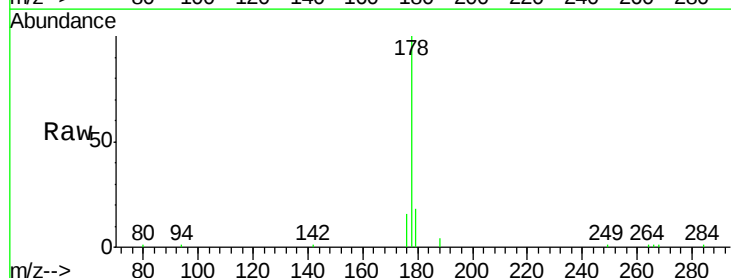


Abundance Ion 265.70 (265.40 to 266.40): E
 Ion 268.00 (267.70 to 268.70): E
 Ion 264.00 (263.70 to 264.70): E

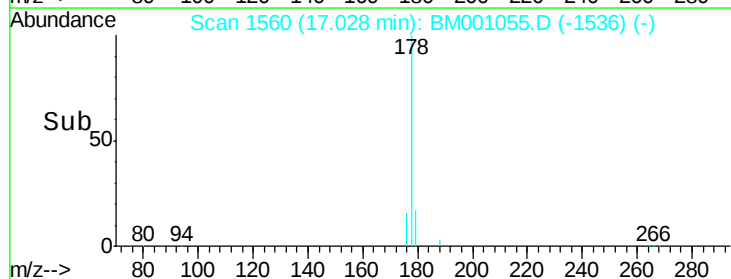
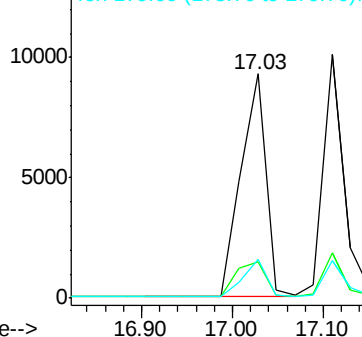


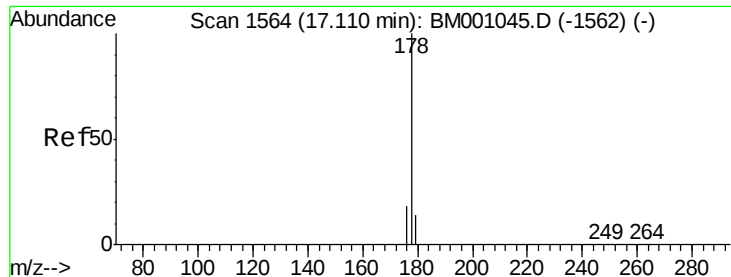
#16
 Phenanthrene
 Concen: 0.97 ng
 RT: 17.03 min Scan# 1560
 Delta R.T. 0.00 min
 Lab File: BM001055.D
 Acq: 18 Apr 2015 11:00

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.8	14.6	22.0
179	15.8	12.6	19.0



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

Anthracene

Concen: 0.98 ng

RT: 17.11 min Scan# 1564

Delta R.T. 0.00 min

Lab File: BM001055.D

Acq: 18 Apr 2015 11:00

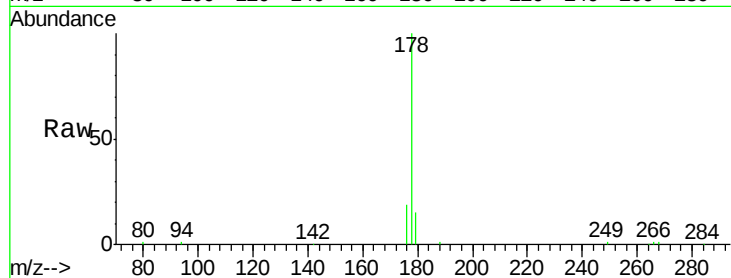
Tot Ion:178 Resp: 16671

Ion Ratio Lower Upper

178 100

176 18.0 14.3 21.5

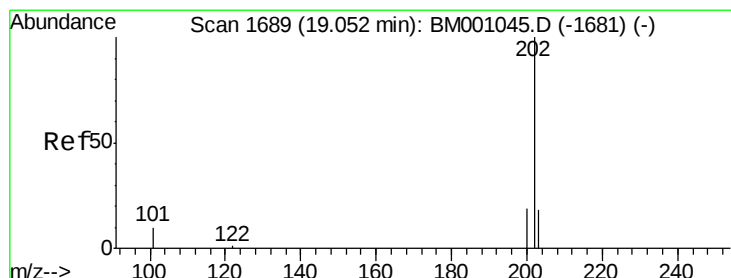
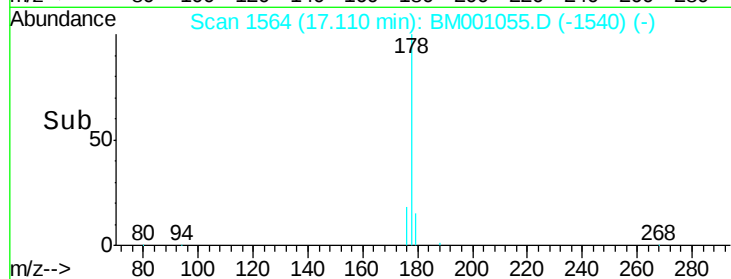
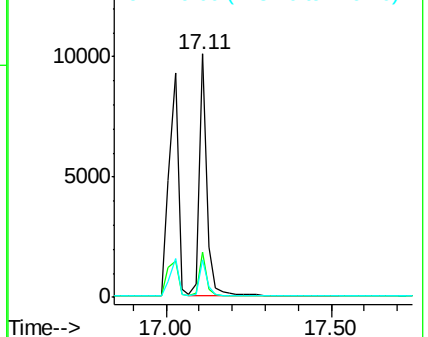
179 15.0 11.8 17.8



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



#18

Fluoranthene

Concen: 0.97 ng

RT: 19.05 min Scan# 1689

Delta R.T. 0.00 min

Lab File: BM001055.D

Acq: 18 Apr 2015 11:00

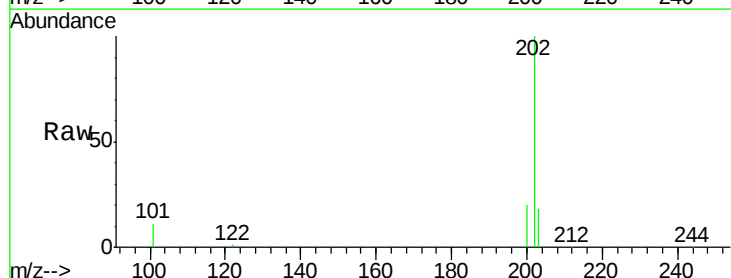
Tgt Ion:202 Resp: 18560

Ion Ratio Lower Upper

202 100

101 12.8 10.1 15.1

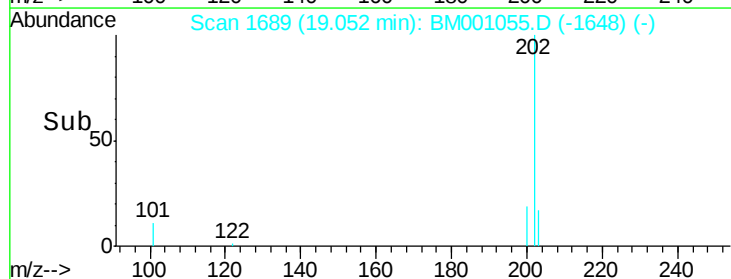
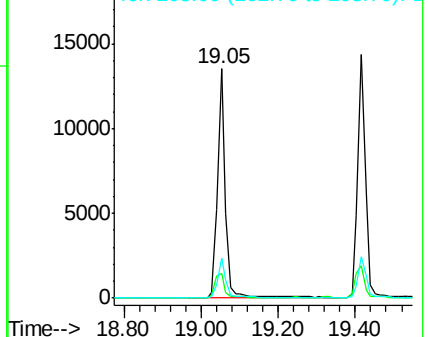
203 17.3 13.8 20.8

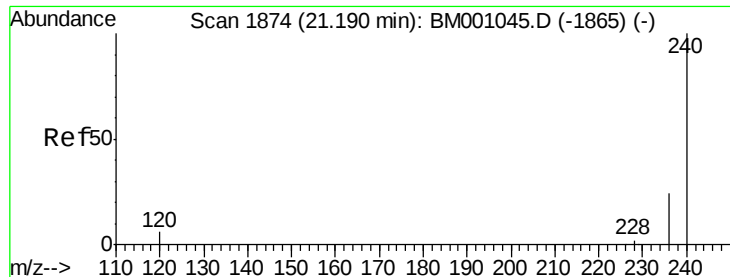


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

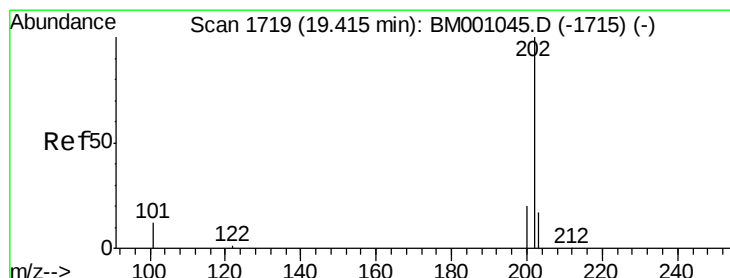
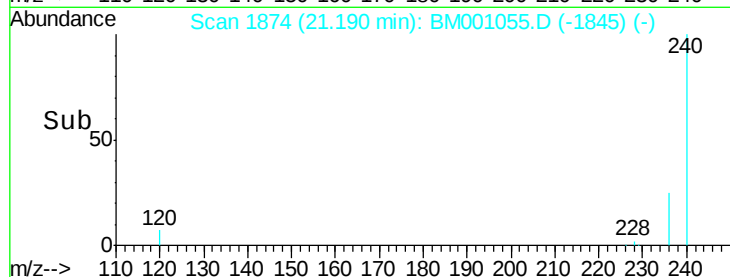
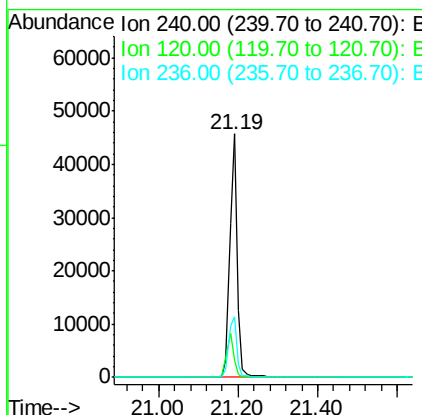
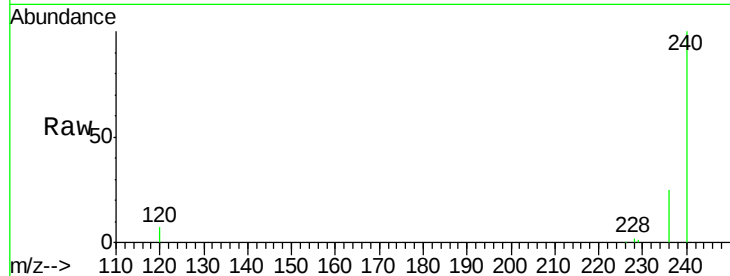
Ion 203.00 (202.70 to 203.70): E





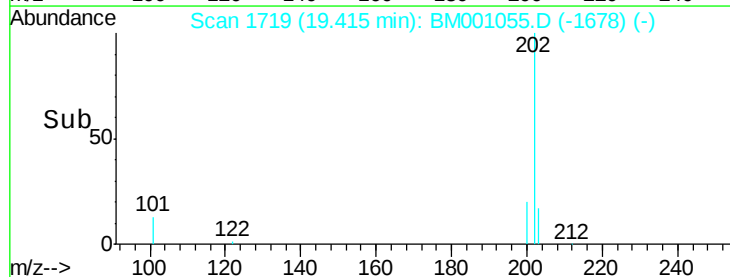
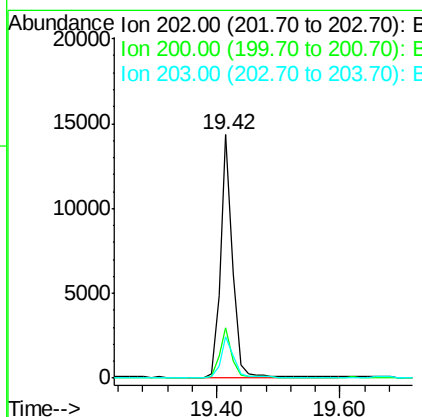
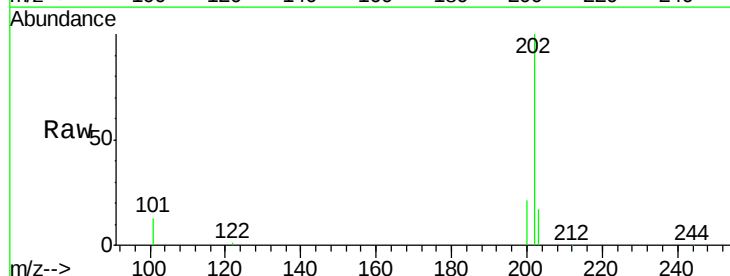
#19
Chrysene-d12
Concen: 5.00 ng
RT: 21.19 min Scan# 1874
Delta R.T. 0.00 min
Lab File: BM001055.D
Acq: 18 Apr 2015 11:00

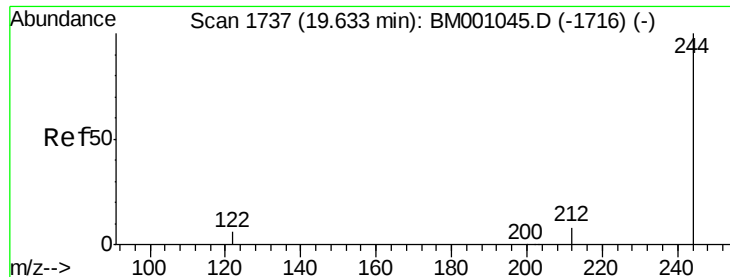
Tot Ion:240 Resp: 59295
Ion Ratio Lower Upper
240 100
120 7.0 4.6 6.8#
236 24.9 19.1 28.7



#20
Pyrene
Concen: 0.99 ng
RT: 19.42 min Scan# 1719
Delta R.T. 0.00 min
Lab File: BM001055.D
Acq: 18 Apr 2015 11:00

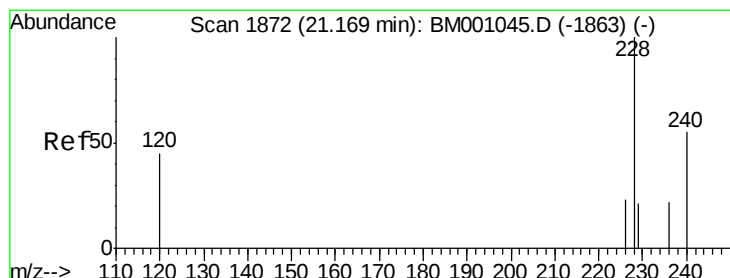
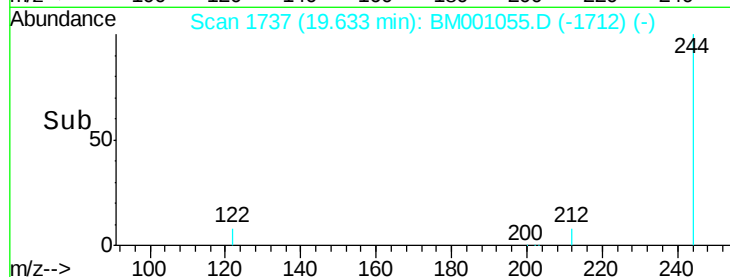
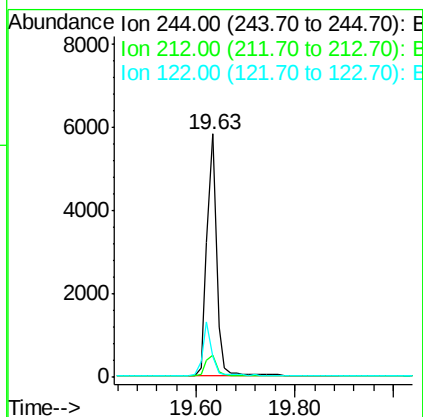
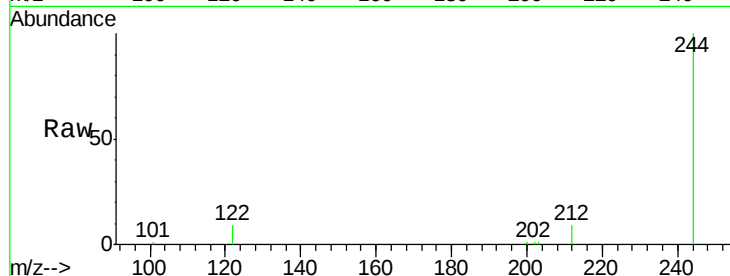
Tgt Ion:202 Resp: 19521
Ion Ratio Lower Upper
202 100
200 20.2 16.3 24.5
203 17.2 13.8 20.6





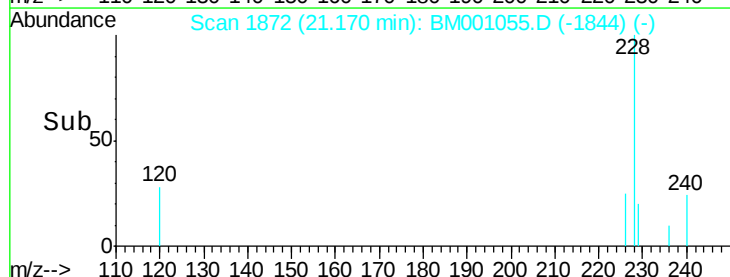
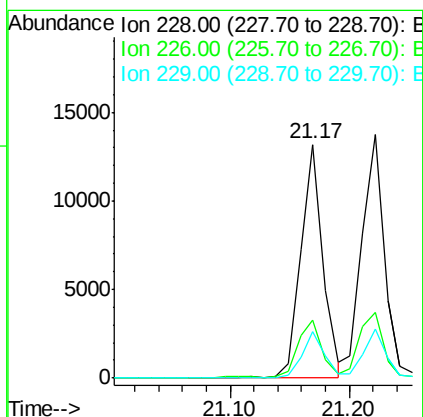
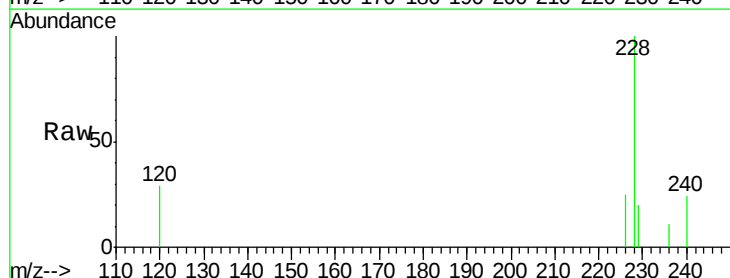
#21
 Terphenyl-d14
 Concen: 1.00 ng
 RT: 19.63 min Scan# 1737
 Delta R.T. 0.00 min
 Lab File: BM001055.D
 Acq: 18 Apr 2015 11:00

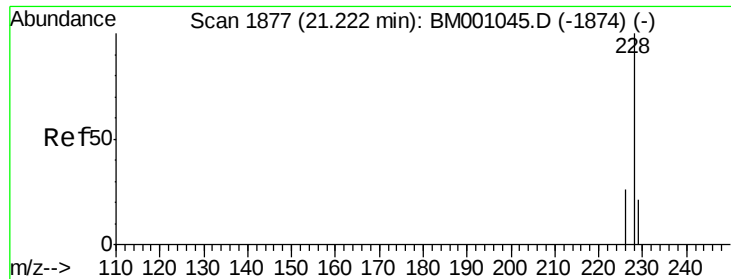
Tot Ion:244 Resp: 7860
 Ion Ratio Lower Upper
 244 100
 212 9.0 7.1 10.7
 122 8.8 5.9 8.9



#22
 Benzo(a)anthracene
 Concen: 0.98 ng
 RT: 21.17 min Scan# 1872
 Delta R.T. 0.00 min
 Lab File: BM001055.D
 Acq: 18 Apr 2015 11:00

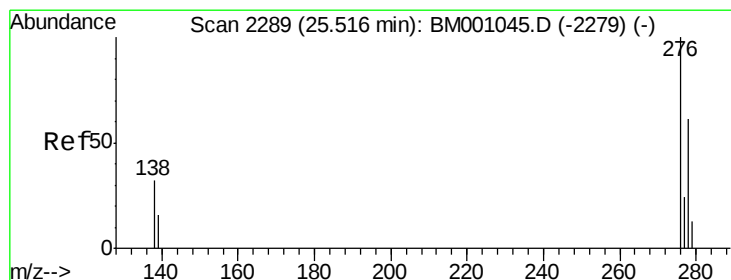
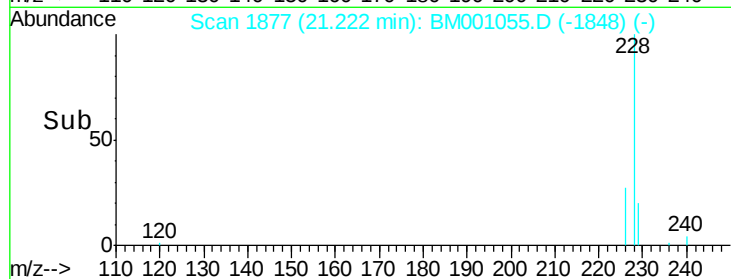
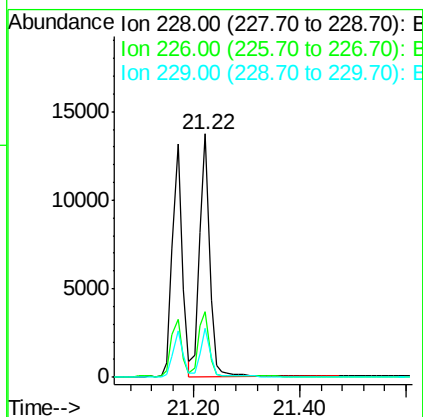
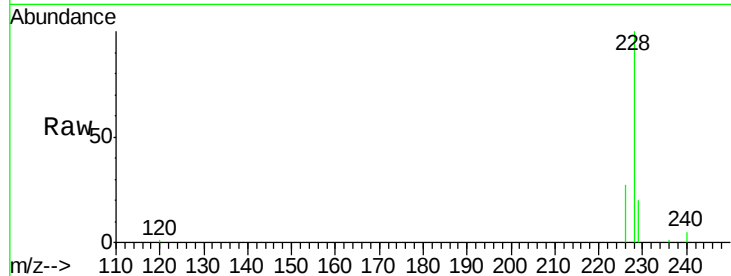
Tgt Ion:228 Resp: 16859
 Ion Ratio Lower Upper
 228 100
 226 25.0 19.0 28.6
 229 20.1 16.8 25.2





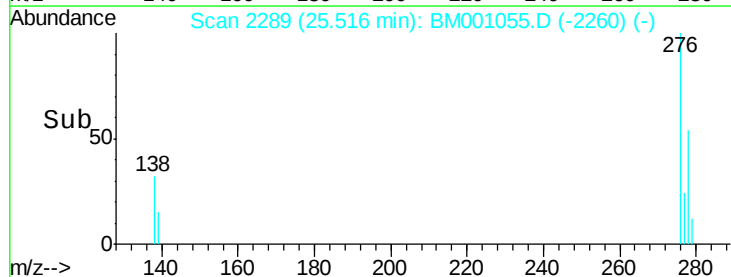
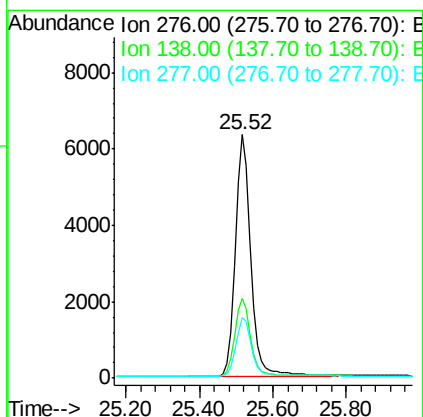
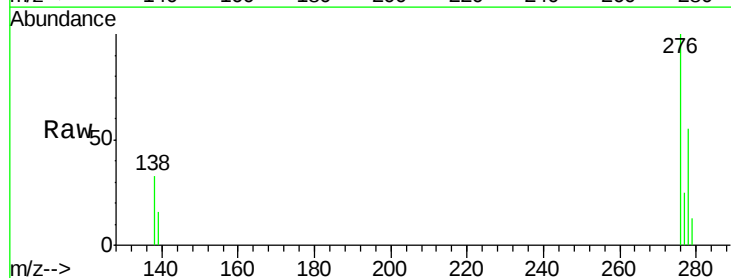
#23
Chrysene
Concen: 1.01 ng
RT: 21.22 min Scan# 1877
Delta R.T. 0.00 min
Lab File: BM001055.D
Acq: 18 Apr 2015 11:00

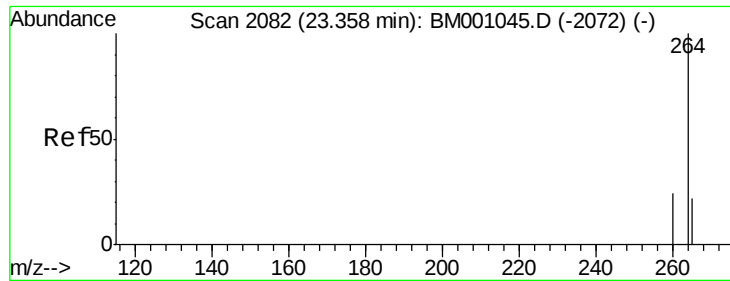
Tot Ion: 228 Resp: 18204
Ion Ratio Lower Upper
228 100
226 27.2 20.6 31.0
229 20.2 17.2 25.8



#24
Indeno(1,2,3-cd)pyrene
Concen: 1.00 ng
RT: 25.52 min Scan# 2289
Delta R.T. 0.00 min
Lab File: BM001055.D
Acq: 18 Apr 2015 11:00

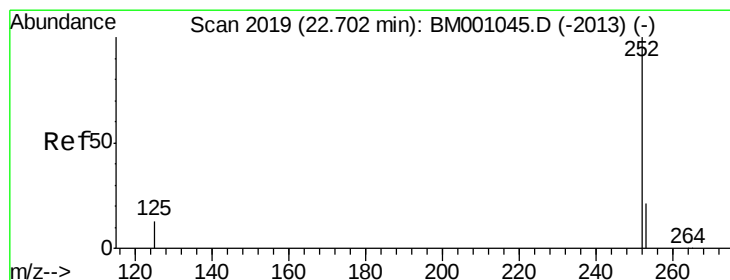
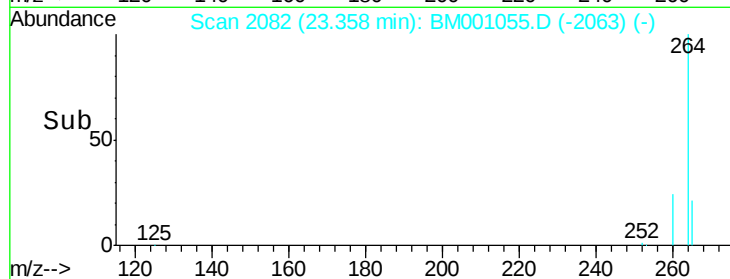
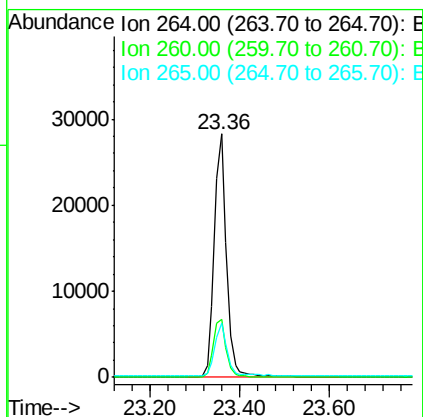
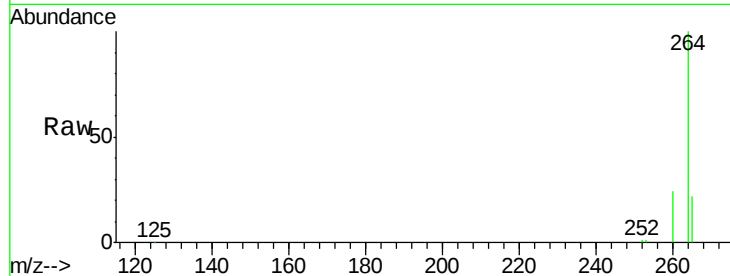
Tgt Ion: 276 Resp: 18387
Ion Ratio Lower Upper
276 100
138 33.1 26.3 39.5
277 24.3 19.5 29.3





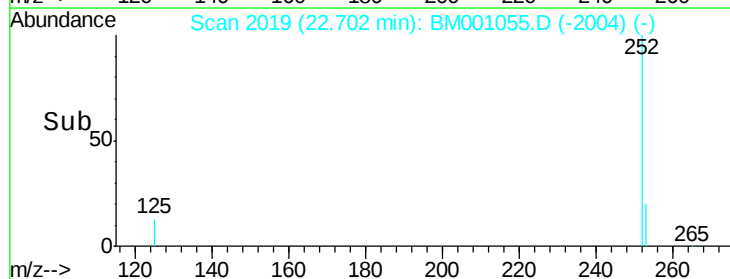
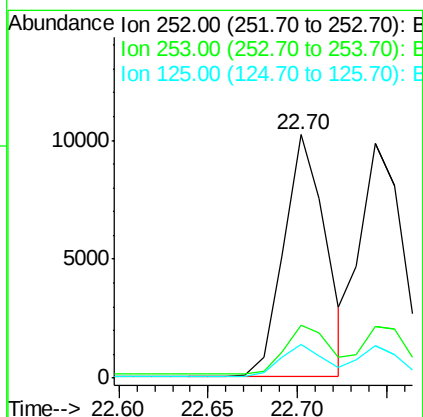
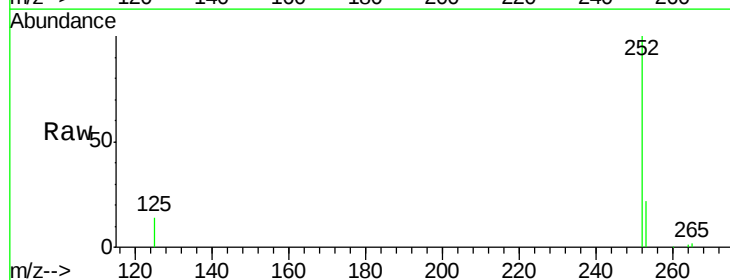
#25
Pervlene-d12
Concen: 5.00 ng
RT: 23.36 min Scan# 2082
Delta R.T. 0.00 min
Lab File: BM001055.D
Acq: 18 Apr 2015 11:00

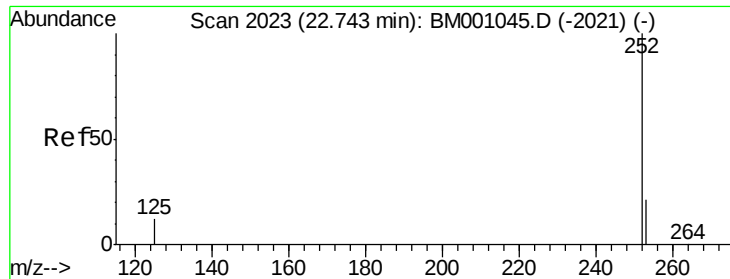
Tot Ion:264 Resp: 53525
Ion Ratio Lower Upper
264 100
260 23.8 19.0 28.6
265 22.2 17.9 26.9



#26
Benzo(b)fluoranthene
Concen: 0.96 ng
RT: 22.70 min Scan# 2019
Delta R.T. 0.00 min
Lab File: BM001055.D
Acq: 18 Apr 2015 11:00

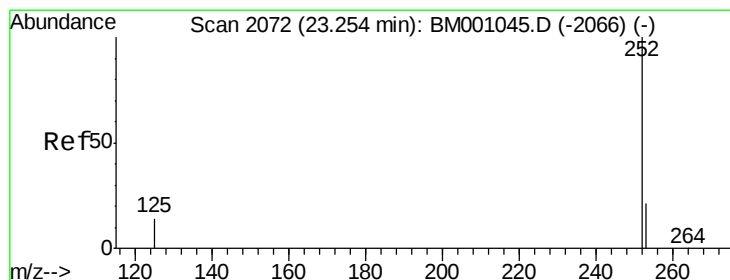
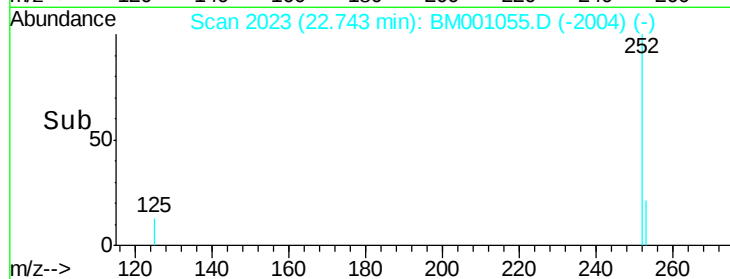
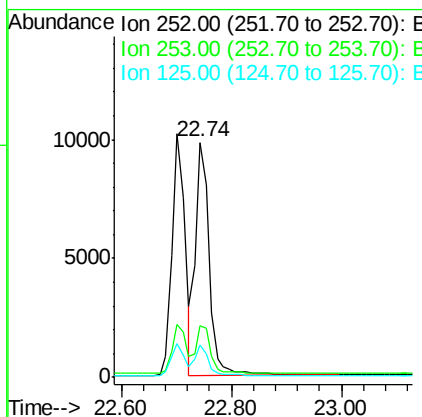
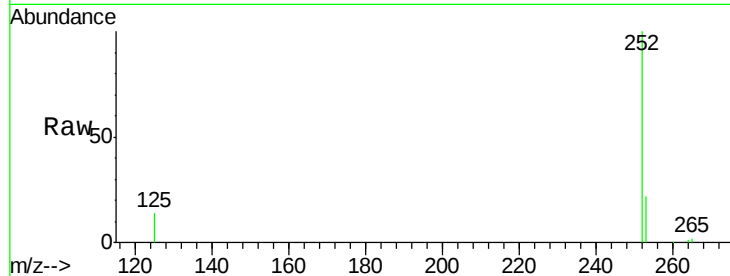
Tgt Ion:252 Resp: 16571
Ion Ratio Lower Upper
252 100
253 21.9 18.2 27.2
125 13.8 10.9 16.3





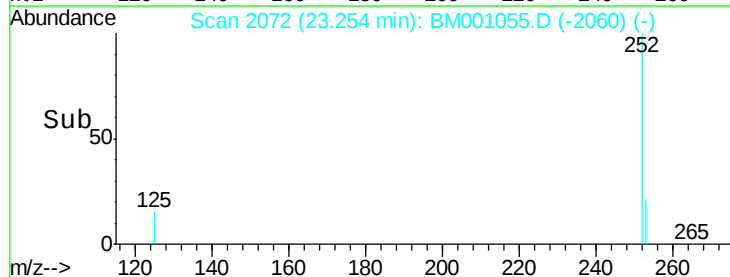
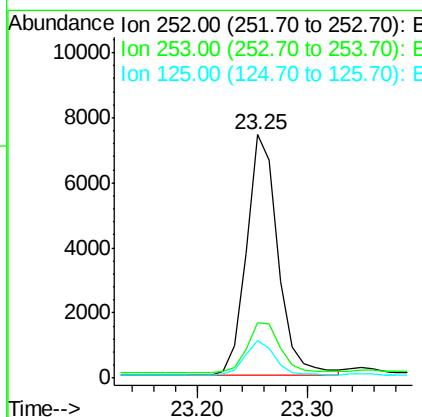
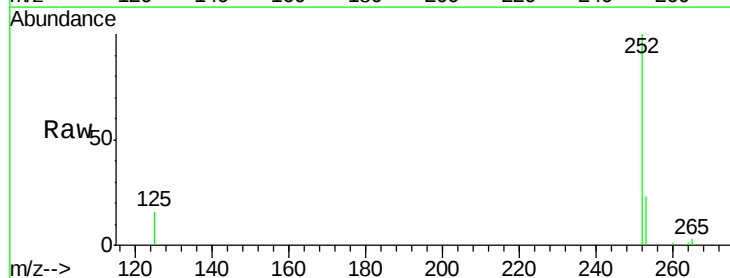
#27
Benzo(k)fluoranthene
Concen: 1.03 ng
RT: 22.74 min Scan# 2023
Delta R.T. 0.00 min
Lab File: BM001055.D
Acq: 18 Apr 2015 11:00

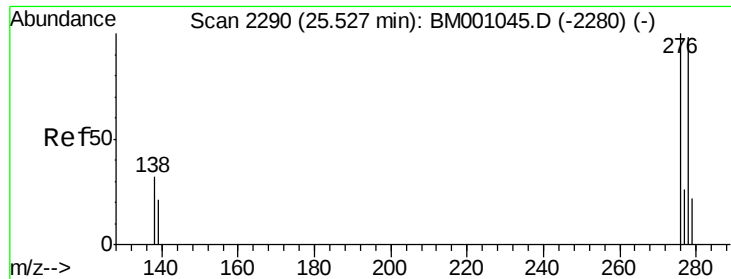
Tot Ion:252 Resp: 17003
Ion Ratio Lower Upper
252 100
253 22.0 18.3 27.5
125 13.9 10.6 15.8



#28
Benzo(a)pyrene
Concen: 0.99 ng
RT: 23.25 min Scan# 2072
Delta R.T. 0.00 min
Lab File: BM001055.D
Acq: 18 Apr 2015 11:00

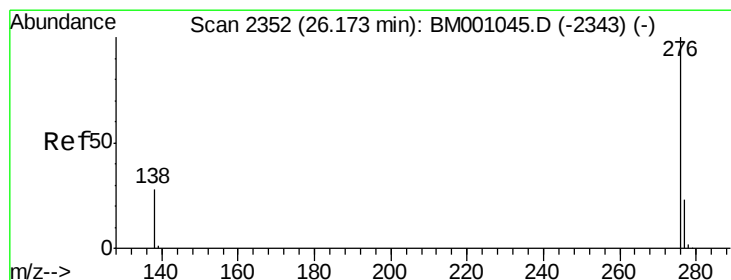
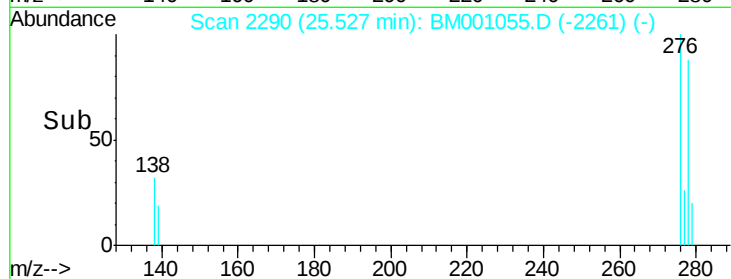
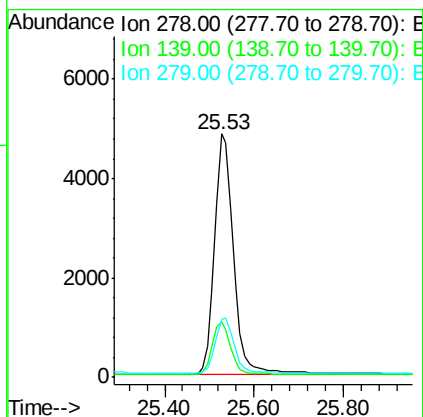
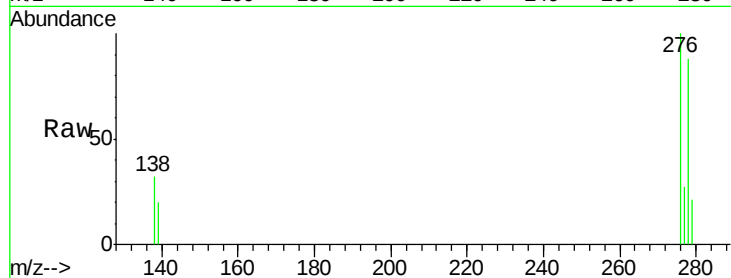
Tgt Ion:252 Resp: 14583
Ion Ratio Lower Upper
252 100
253 22.7 18.6 27.8
125 15.6 11.9 17.9





#29
Dibenzo(a,h)anthracene
Concen: 1.00 ng
RT: 25.53 min Scan# 2290
Delta R.T. 0.00 min
Lab File: BM001055.D
Acq: 18 Apr 2015 11:00

Tot Ion:278 Resp: 14489
Ion Ratio Lower Upper
278 100
139 23.0 18.2 27.2
279 24.0 19.1 28.7



#30
Benzo(g,h,i)perylene
Concen: 0.99 ng
RT: 26.18 min Scan# 2353
Delta R.T. 0.01 min
Lab File: BM001055.D
Acq: 18 Apr 2015 11:00

Tgt Ion:276 Resp: 15530
Ion Ratio Lower Upper
276 100
277 24.7 19.0 28.4
138 27.1 23.4 35.2

