

Data Path : Z:\HPCHEM1\BNA M\DATA\BM041815\
 Data File : BM001051.D
 Acq On : 18 Apr 2015 08:37
 Operator : TP/IZ
 Sample : PB82779BL
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Quant Time: Apr 20 08:16:02 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	24091	5.00	ng	0.00
4) Naphthalene-d8	10.36	136	86183	5.00	ng	0.00
8) Acenaphthene-d10	14.24	164	45305	5.00	ng	0.00
13) Phenanthrene-d10	16.99	188	101632	5.00	ng	0.00
19) Chrysene-d12	21.19	240	86933	5.00	ng	0.00
25) Perylene-d12	23.36	264	78487	5.00	ng	0.00

System Monitoring Compounds

5) Nitrobenzene-d5	8.74	82	30251	6.72	ng	0.00
9) 2-Fluorobiphenyl	12.86	172	93032	6.22	ng	0.00
21) Terphenyl-d14	19.63	244	75032	6.51	ng	0.00

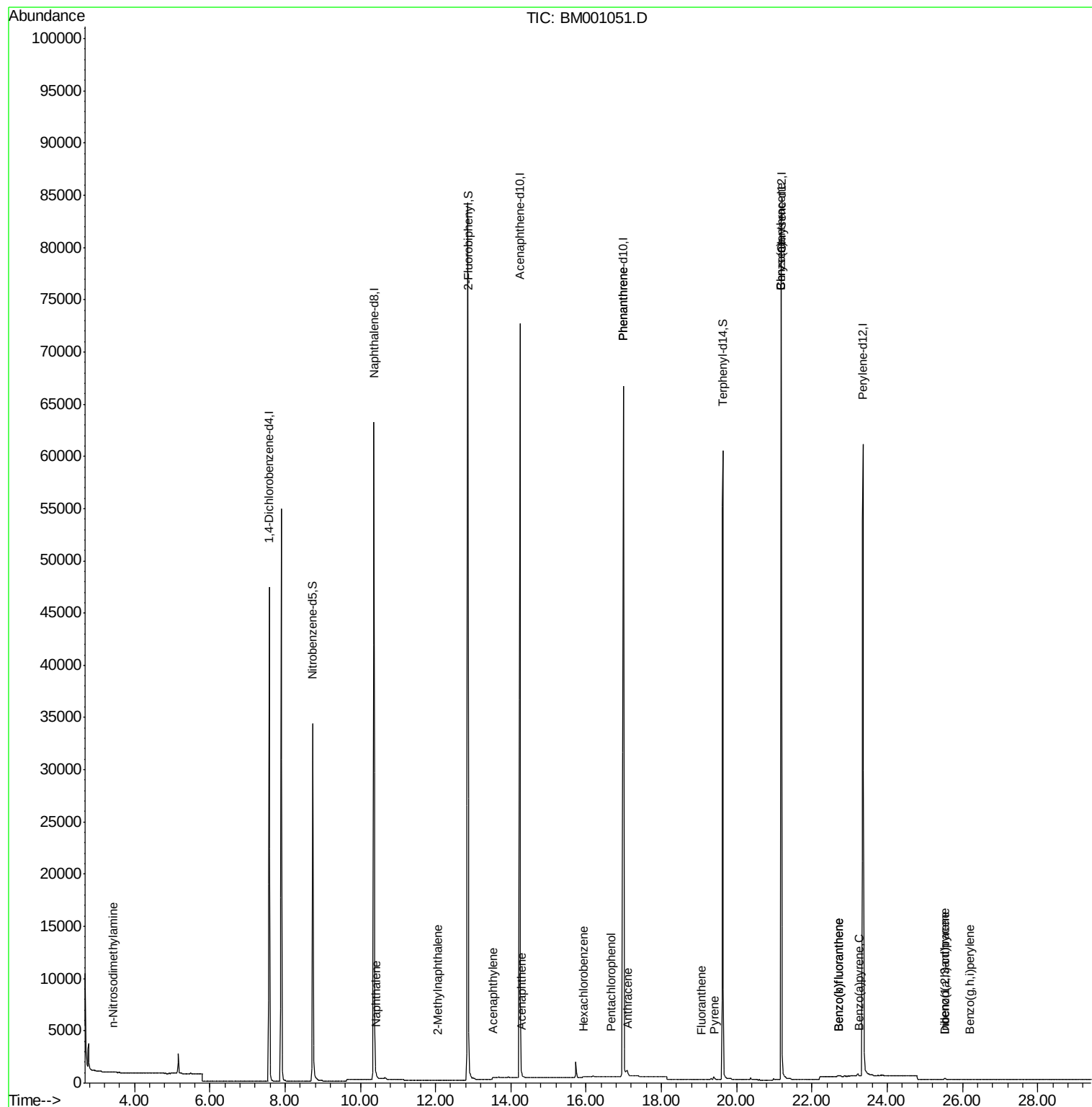
Target Compounds

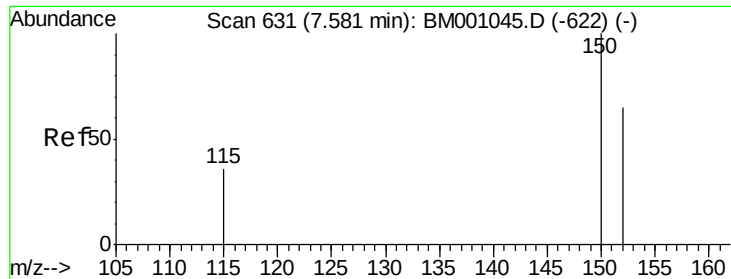
						Ovalue
3) n-Nitrosodimethylamine	3.43	42	29	0.01	ng	# 1
6) Naphthalene	10.41	128	7	0.00	ng	# 1
7) 2-Methylnaphthalene	12.05	142	6	0.00	ng	# 40
10) Acenaphthylene	13.54	152	266	0.01	ng	# 62
11) Acenaphthene	14.29	154	36	0.00	ng	# 56
14) Hexachlorobenzene	15.94	284	227	0.04	ng	# 100
15) Pentachlorophenol	16.66	266	10	0.29	ng	# 61
16) Phenanthrene	16.99	178	62	0.00	ng	# 1
17) Anthracene	17.11	178	12	0.00	ng	# 62
18) Fluoranthene	19.05	202	15	0.00	ng	# 26
20) Pyrene	19.42	202	95	0.00	ng	# 95
22) Benzo(a)anthracene	21.18	228	355	0.01	ng	# 81
23) Chrysene	21.18	228	355	0.01	ng	# 83
24) Indeno(1,2,3-cd)pyrene	25.53	276	141	0.01	ng	# 94
26) Benzo(b)fluoranthene	22.71	252	153	0.01	ng	# 1
27) Benzo(k)fluoranthene	22.71	252	153	0.01	ng	# 1
28) Benzo(a)pyrene	23.25	252	76	0.00	ng	# 1
29) Dibenzo(a,h)anthracene	25.54	278	111	0.01	ng	# 1
30) Benzo(g,h,i)perylene	26.18	276	141	0.01	ng	# 1

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

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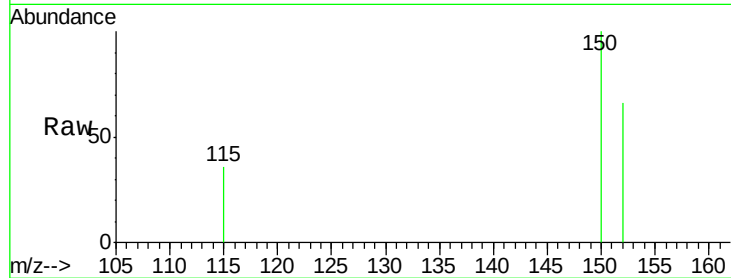




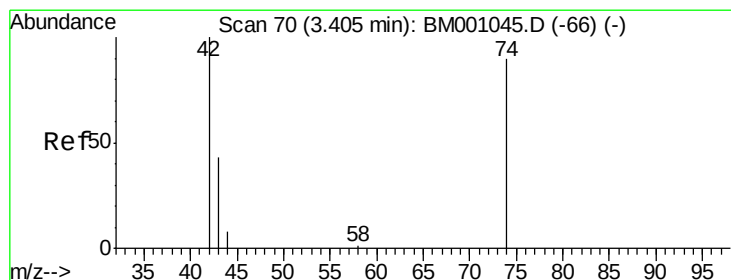
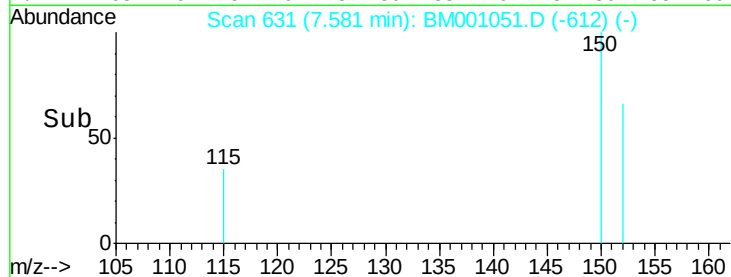
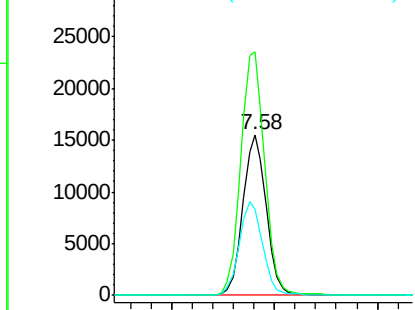
#1

1,4-Dichlorobenzene-d4
Concen: 5.00 ng
RT: 7.58 min Scan# 631
Delta R.T. 0.00 min
Lab File: BM001051.D
Acq: 18 Apr 2015 08:37

Tot Ion:152 Resp: 24091
Ion Ratio Lower Upper
152 100
150 151.5 123.3 184.9
115 53.9 45.0 67.6



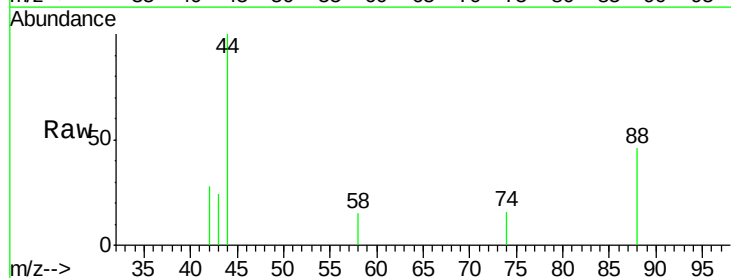
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



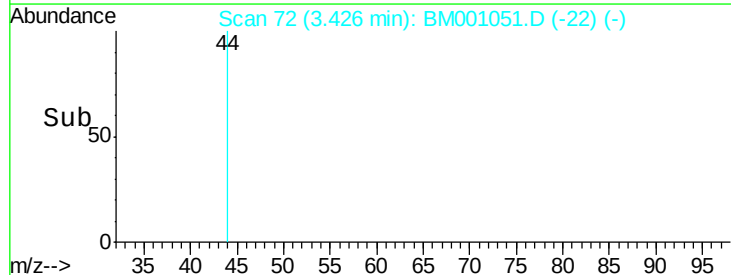
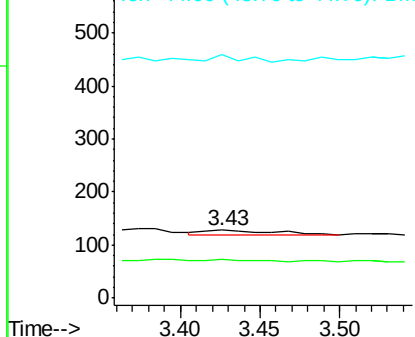
#3

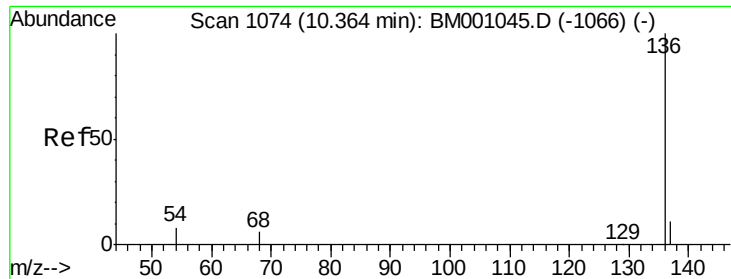
n-Nitrosodimethylamine
Concen: 0.01 ng
RT: 3.43 min Scan# 72
Delta R.T. 0.02 min
Lab File: BM001051.D
Acq: 18 Apr 2015 08:37

Tgt Ion: 42 Resp: 29
Ion Ratio Lower Upper
42 100
74 0.0 92.1 138.1#
44 48.3 5.8 8.6#



Abundance Ion 42.00 (41.70 to 42.70): BM0
Ion 74.00 (73.70 to 74.70): BM0
Ion 44.00 (43.70 to 44.70): BM0





#4

Naphthalene-d8

Concen: 5.00 ng

RT: 10.36 min Scan# 1074

Delta R.T. 0.00 min

Lab File: BM001051.D

Acq: 18 Apr 2015 08:37

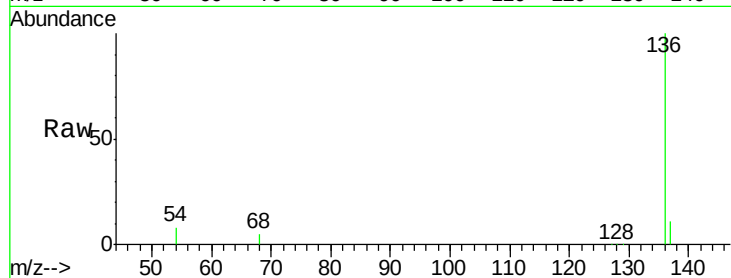
Tot Ion:136 Resp: 86183

Ion Ratio Lower Upper

136 100

137 10.8 8.6 13.0

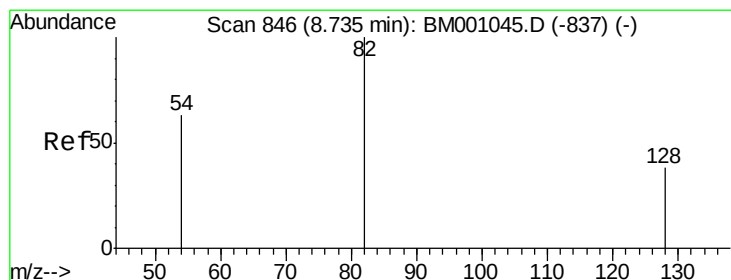
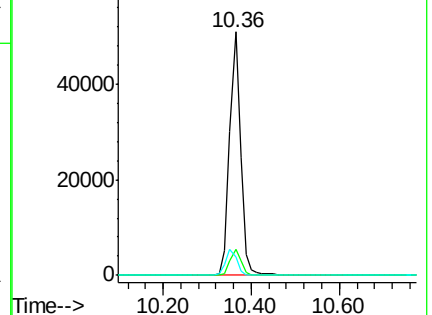
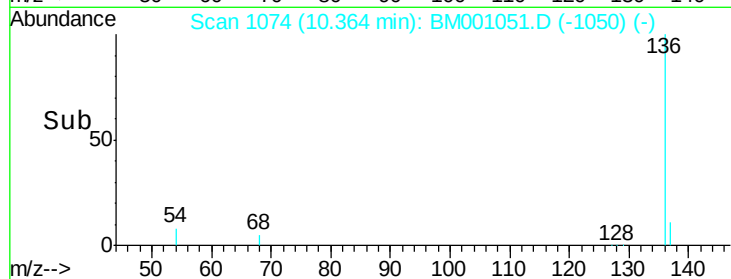
54 7.7 6.5 9.7



Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BM



#5

Nitrobenzene-d5

Concen: 6.72 ng

RT: 8.74 min Scan# 846

Delta R.T. 0.00 min

Lab File: BM001051.D

Acq: 18 Apr 2015 08:37

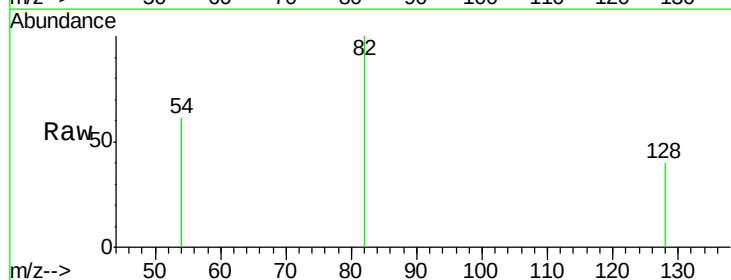
Tgt Ion: 82 Resp: 30251

Ion Ratio Lower Upper

82 100

128 40.1 31.9 47.9

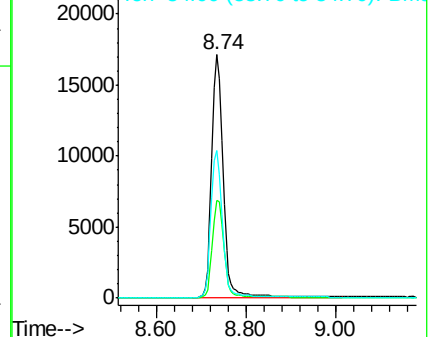
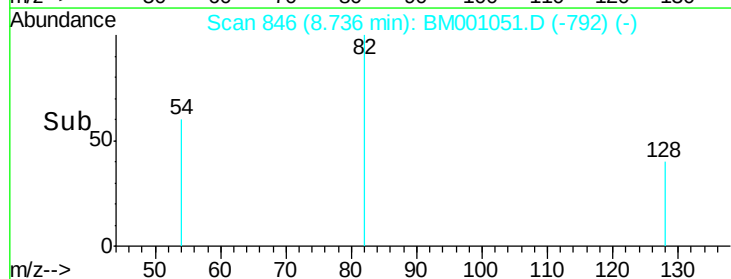
54 60.5 51.3 76.9

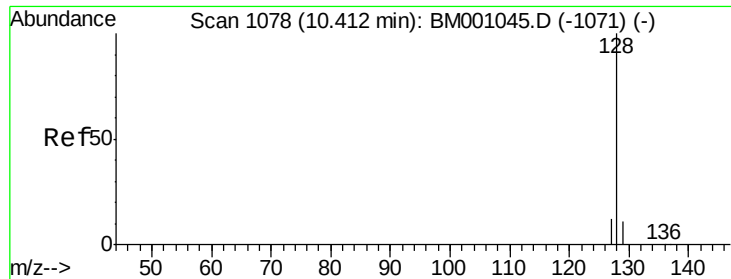


Abundance Ion 82.00 (81.70 to 82.70): BM

Ion 128.00 (127.70 to 128.70): E

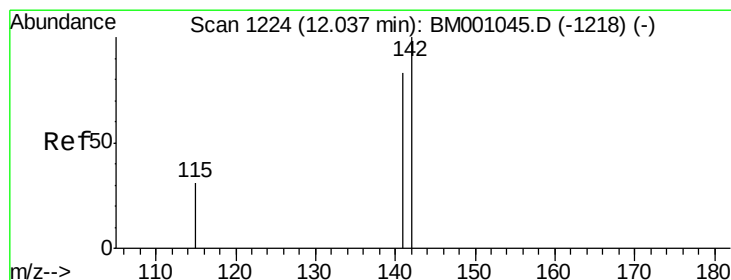
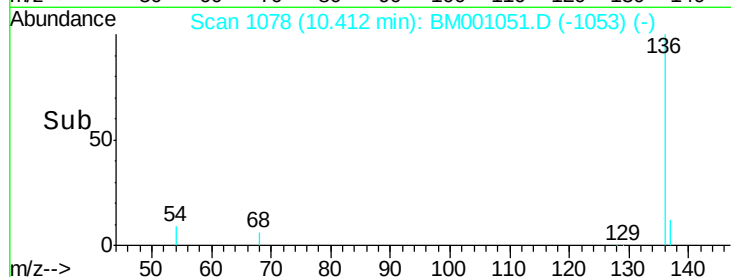
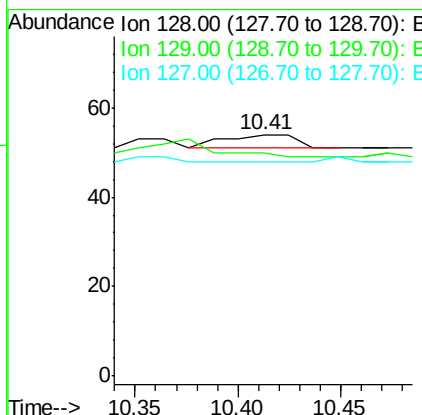
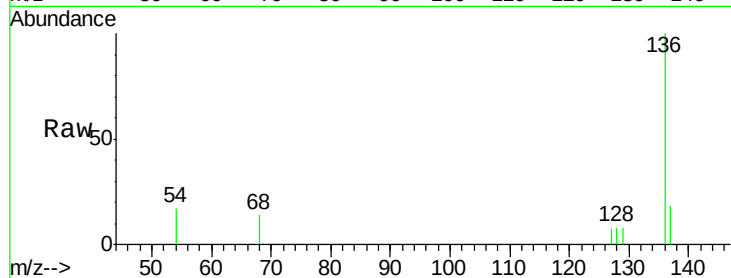
Ion 54.00 (53.70 to 54.70): BM





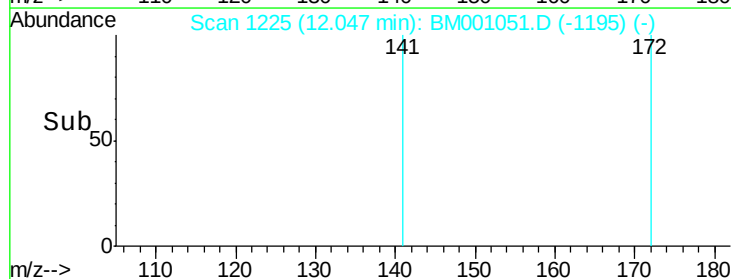
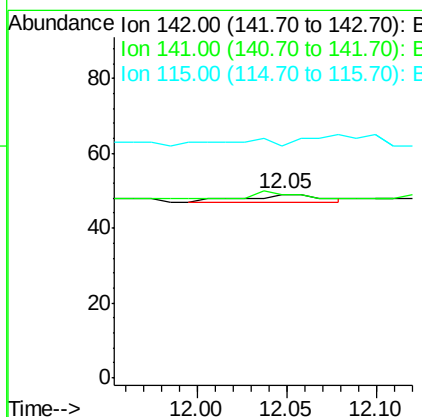
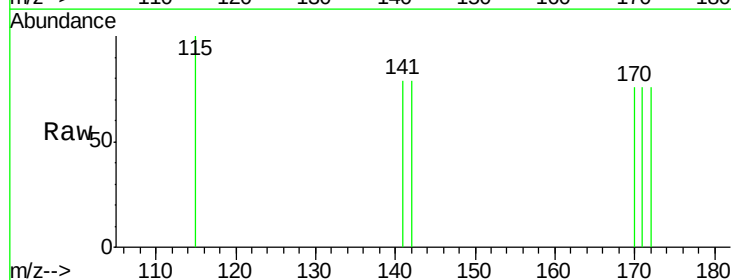
#6
Naphthalene
Concen: 0.00 ng
RT: 10.41 min Scan# 1078
Delta R.T. 0.00 min
Lab File: BM001051.D
Acq: 18 Apr 2015 08:37

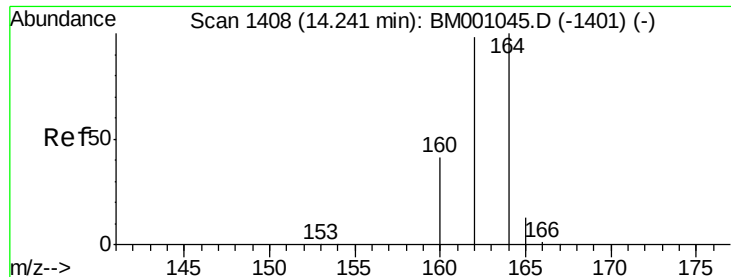
Tot Ion:128 Resp: 7
Ion Ratio Lower Upper
128 100
129 92.6 9.3 13.9#
127 88.9 10.0 15.0#



#7
2-Methylnaphthalene
Concen: 0.00 ng
RT: 12.05 min Scan# 1225
Delta R.T. 0.01 min
Lab File: BM001051.D
Acq: 18 Apr 2015 08:37

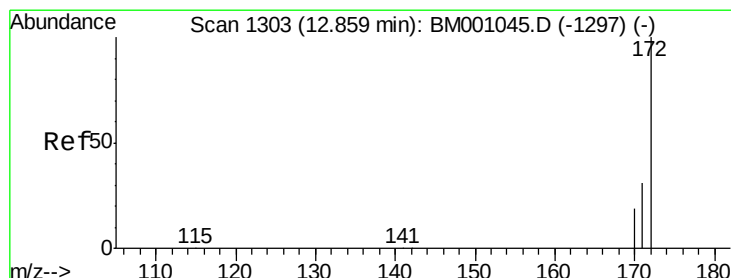
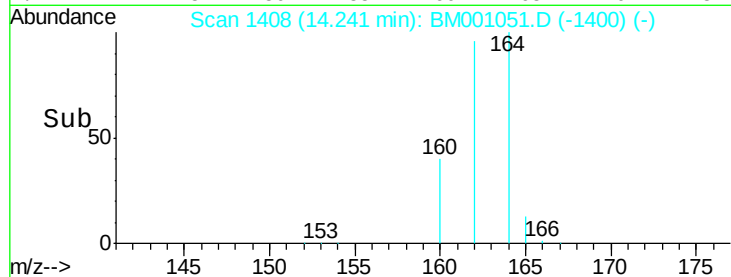
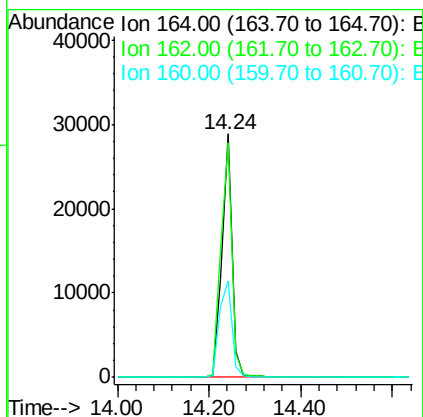
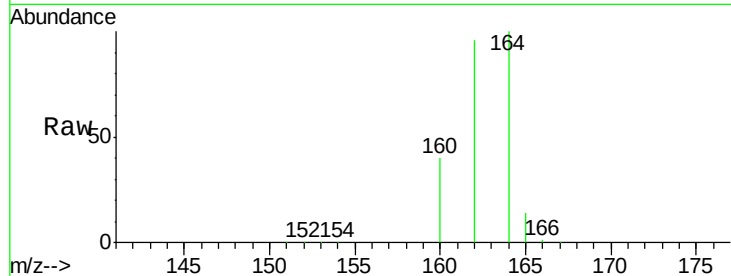
Tgt Ion:142 Resp: 6
Ion Ratio Lower Upper
142 100
141 100.0 66.7 100.1
115 126.5 25.5 38.3#





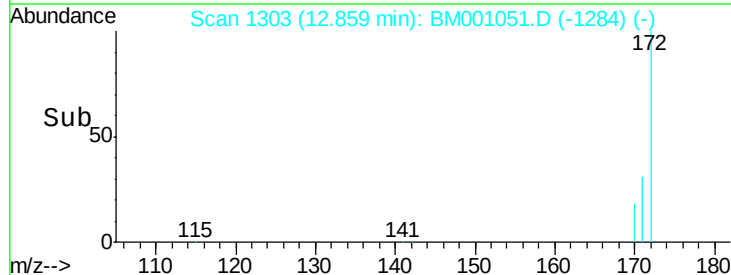
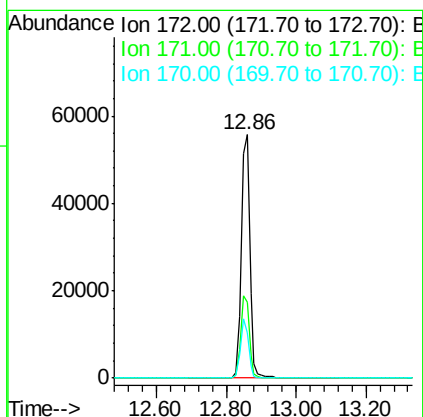
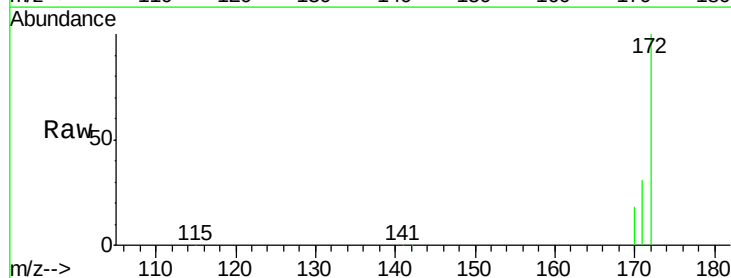
#8
Acenaphthene-d10
Concen: 5.00 ng
RT: 14.24 min Scan# 1408
Delta R.T. 0.00 min
Lab File: BM001051.D
Acq: 18 Apr 2015 08:37

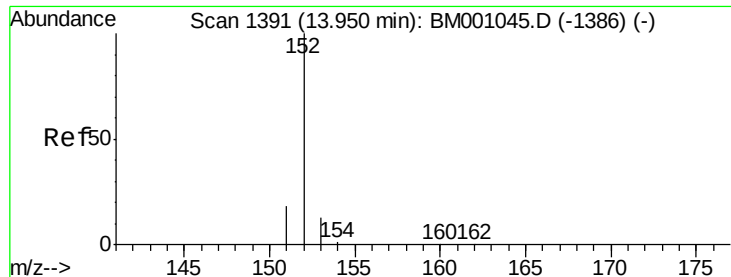
Tot Ion:164 Resp: 45305
Ion Ratio Lower Upper
164 100
162 96.2 78.5 117.7
160 39.8 32.9 49.3



#9
2-Fluorobiphenyl
Concen: 6.22 ng
RT: 12.86 min Scan# 1303
Delta R.T. 0.00 min
Lab File: BM001051.D
Acq: 18 Apr 2015 08:37

Tgt Ion:172 Resp: 93032
Ion Ratio Lower Upper
172 100
171 31.0 25.6 38.4
170 18.4 15.8 23.6





#10

Acenaphthylene

Concen: 0.01 ng

RT: 13.54 min Scan# 1367

Delta R.T. -0.41 min

Lab File: BM001051.D

Acq: 18 Apr 2015 08:37

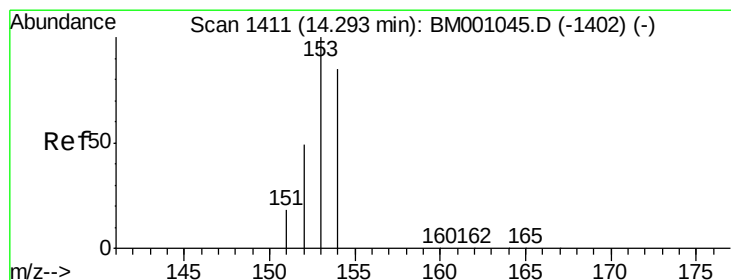
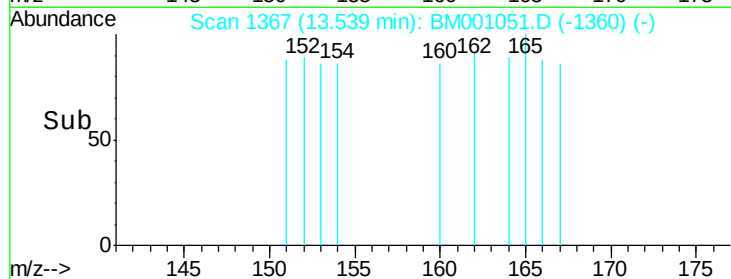
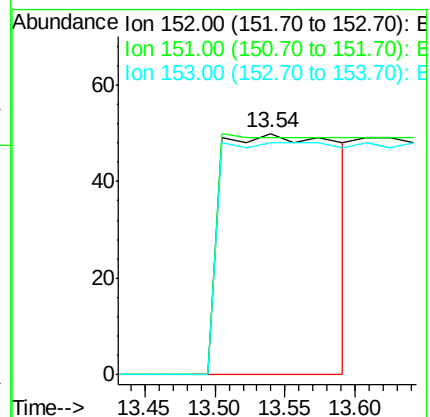
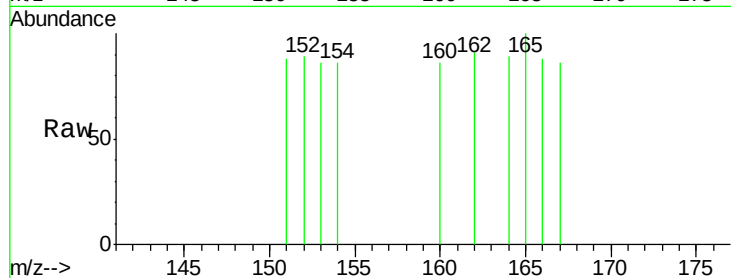
Tot Ion:152 Resp: 266

Ion Ratio Lower Upper

152 100

151 0.0 14.7 22.1#

153 0.0 10.2 15.2#



#11

Acenaphthene

Concen: 0.00 ng

RT: 14.29 min Scan# 1411

Delta R.T. 0.00 min

Lab File: BM001051.D

Acq: 18 Apr 2015 08:37

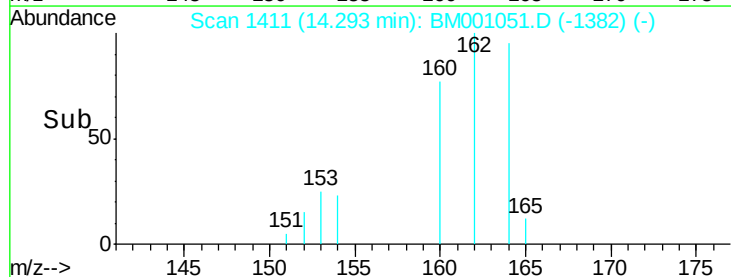
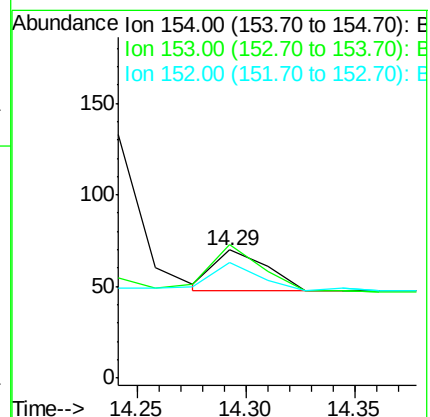
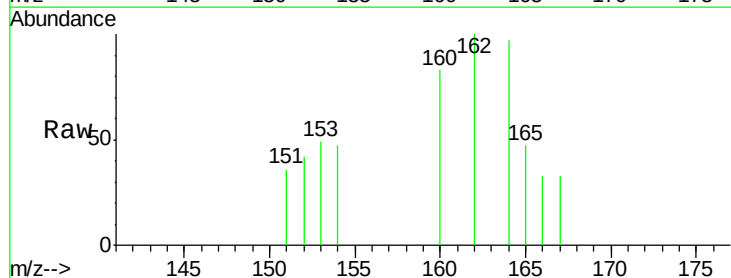
Tgt Ion:154 Resp: 36

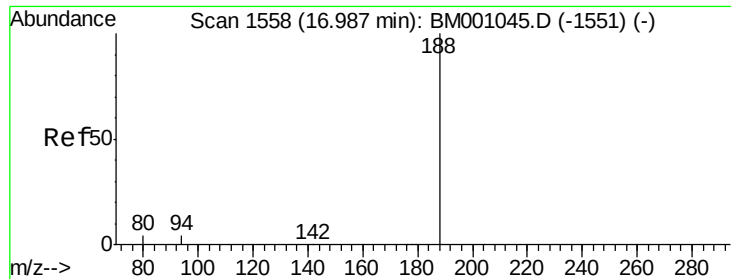
Ion Ratio Lower Upper

154 100

153 163.9 88.1 132.1#

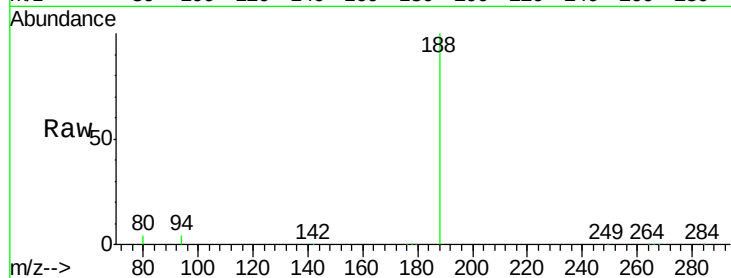
152 75.0 42.3 63.5#





#13
Phenanthrene-d10
Concen: 5.00 ng
RT: 16.99 min Scan# 1558
Delta R.T. 0.00 min
Lab File: BM001051.D
Acq: 18 Apr 2015 08:37

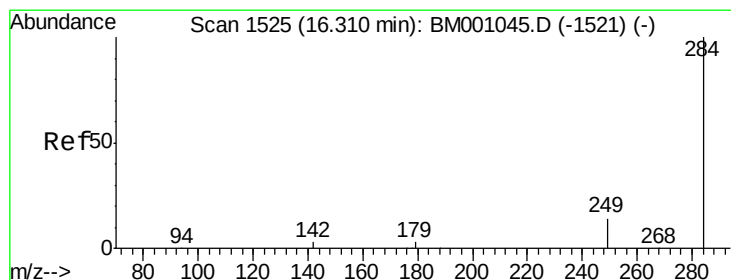
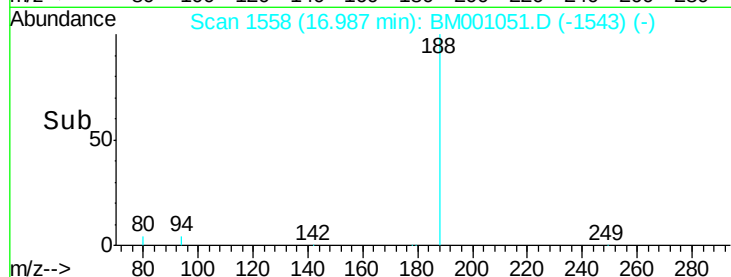
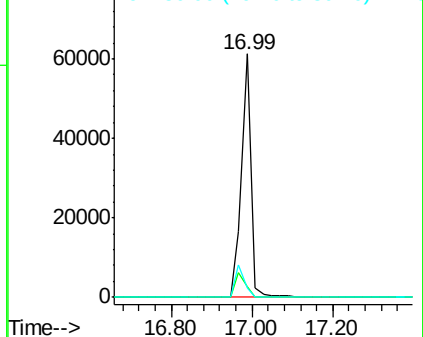
Tot Ion	Ratio	Lower	Upper
188	100		
94	4.2	3.6	5.4
80	3.7	3.0	4.6



Abundance Ion 188.00 (187.70 to 188.70): E

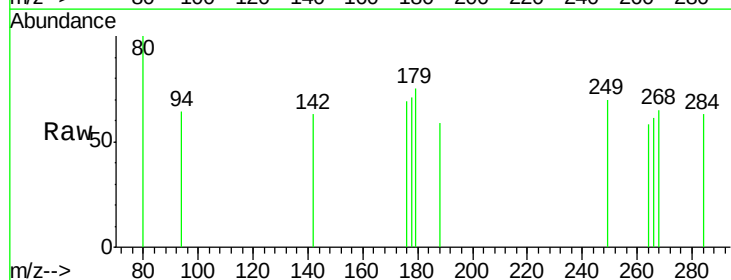
Ion 94.00 (93.70 to 94.70): B

Ion 80.00 (79.70 to 80.70): B



#14
Hexachlorobenzene
Concen: 0.04 ng
RT: 15.94 min Scan# 1507
Delta R.T. -0.37 min
Lab File: BM001051.D
Acq: 18 Apr 2015 08:37

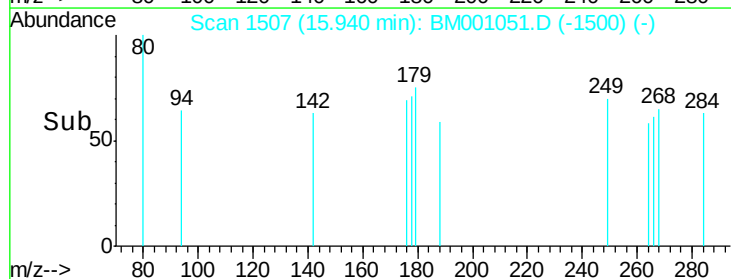
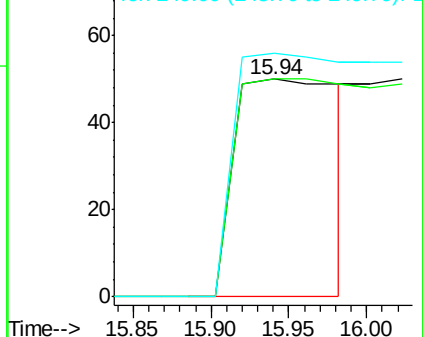
Tgt Ion	Ratio	Lower	Upper
284	100		
142	126.0	0.0	0.0#
249	140.5	0.0	0.0#

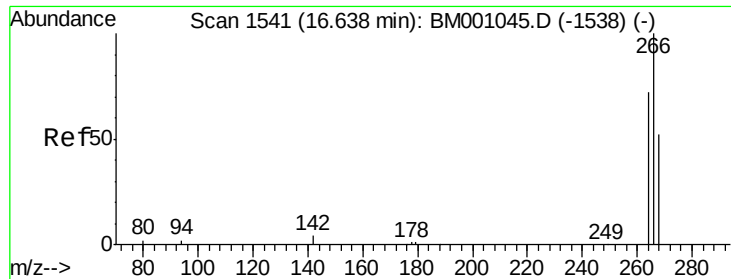


Abundance Ion 283.80 (283.50 to 284.50): E

Ion 142.00 (141.70 to 142.70): E

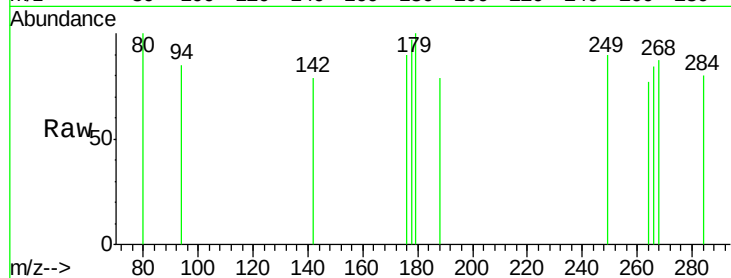
Ion 249.00 (248.70 to 249.70): E



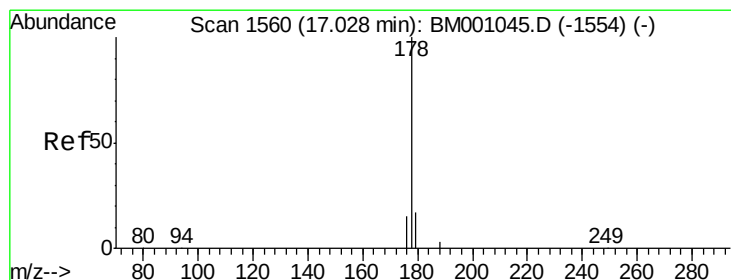
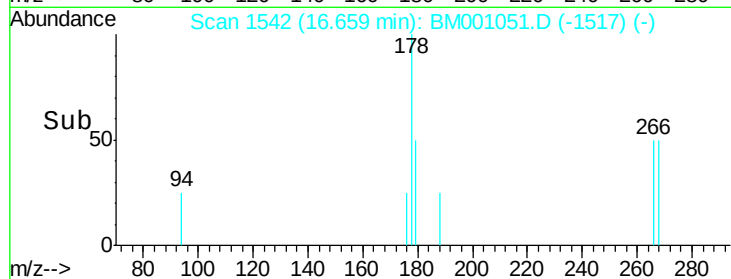
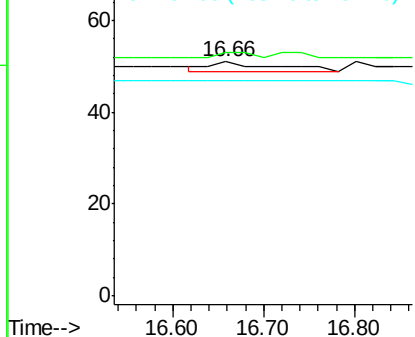


#15
 Pentachlorophenol
 Concen: 0.29 ng
 RT: 16.66 min Scan# 1542
 Delta R.T. 0.02 min
 Lab File: BM001051.D
 Acq: 18 Apr 2015 08:37

Tot Ion	Ratio	Lower	Upper
266	100		
268	103.9	46.3	69.5#
264	92.2	59.8	89.6#

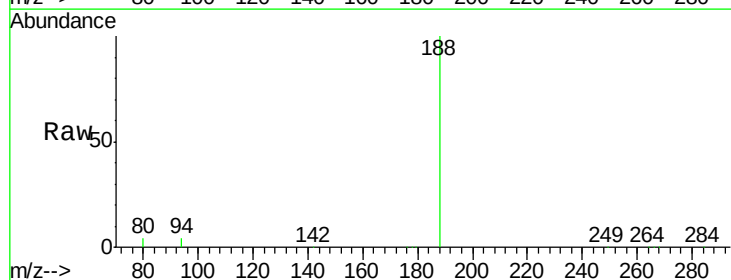


Abundance Ion 265.70 (265.40 to 266.40): E
 Ion 268.00 (267.70 to 268.70): E
 Ion 264.00 (263.70 to 264.70): E

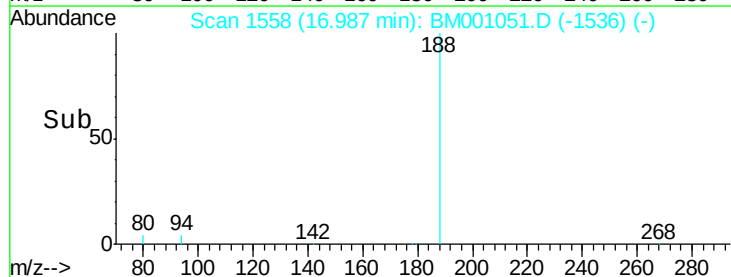
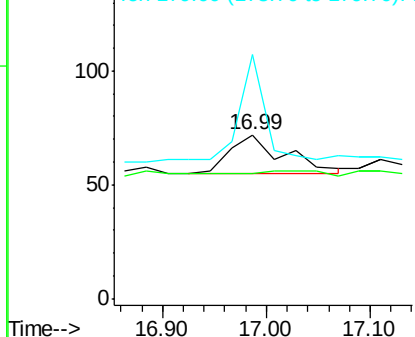


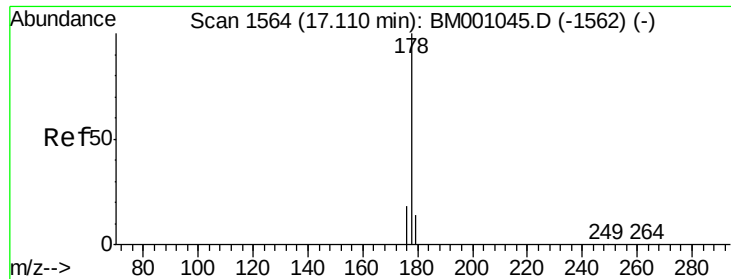
#16
 Phenanthrene
 Concen: 0.00 ng
 RT: 16.99 min Scan# 1558
 Delta R.T. -0.04 min
 Lab File: BM001051.D
 Acq: 18 Apr 2015 08:37

Tgt Ion	Ratio	Lower	Upper
178	100		
176	0.0	14.6	22.0#
179	135.5	12.6	19.0#



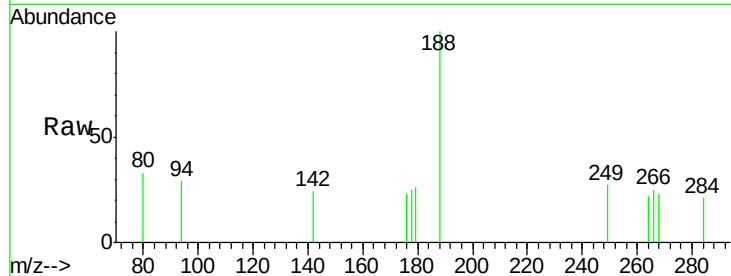
Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E



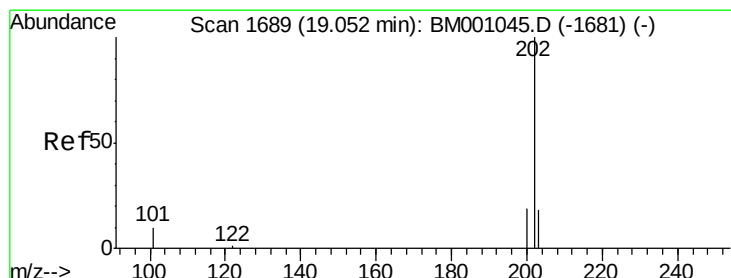
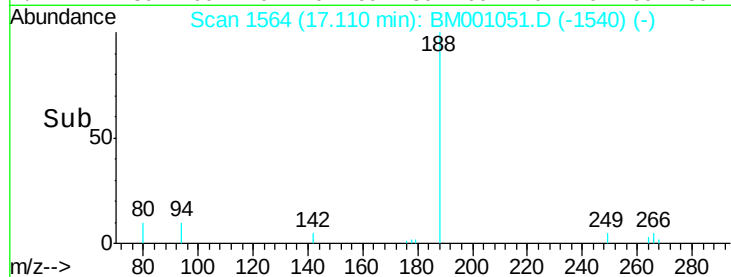
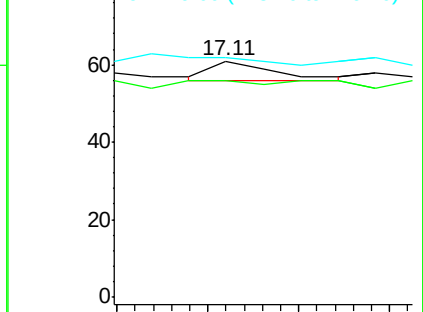


#17
 Anthracene
 Concen: 0.00 ng
 RT: 17.11 min Scan# 1564
 Delta R.T. 0.00 min
 Lab File: BM001051.D
 Acq: 18 Apr 2015 08:37

Tot Ion:178 Resp: 12
 Ion Ratio Lower Upper
 178 100
 176 0.0 14.3 21.5#
 179 0.0 11.8 17.8#

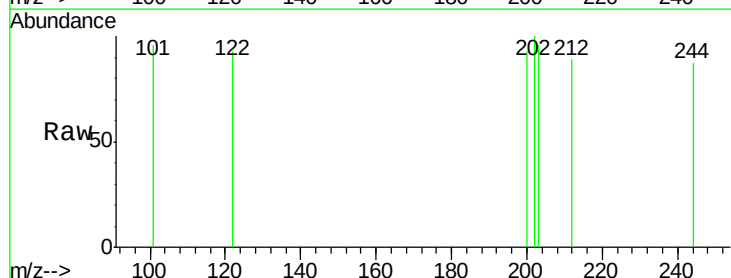


Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E

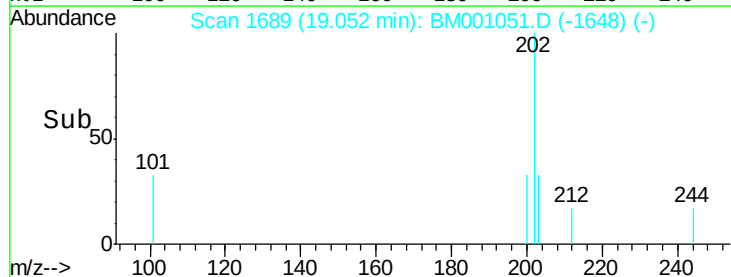
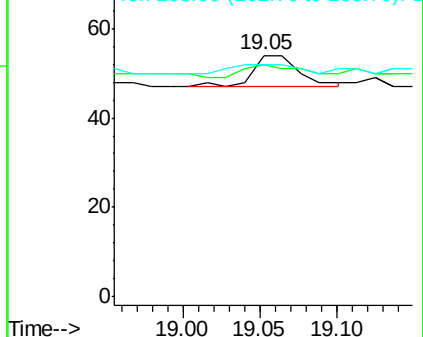


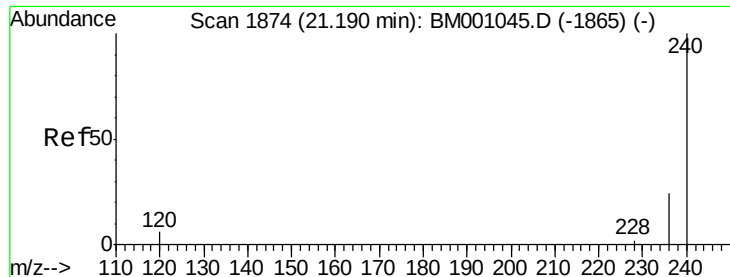
#18
 Fluoranthene
 Concen: 0.00 ng
 RT: 19.05 min Scan# 1689
 Delta R.T. 0.00 min
 Lab File: BM001051.D
 Acq: 18 Apr 2015 08:37

Tgt Ion:202 Resp: 15
 Ion Ratio Lower Upper
 202 100
 101 53.3 10.1 15.1#
 203 40.0 13.8 20.8#



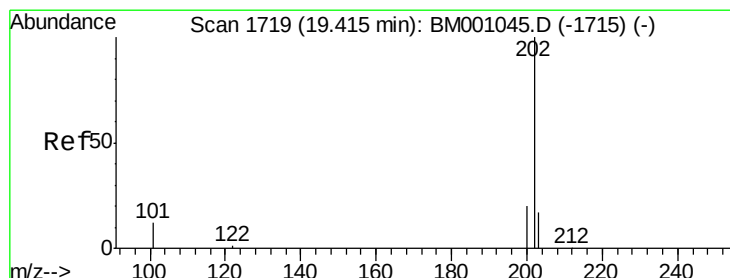
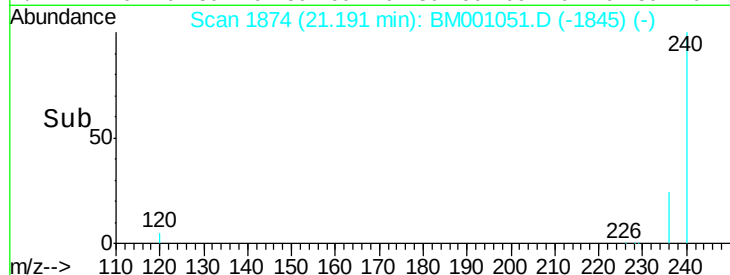
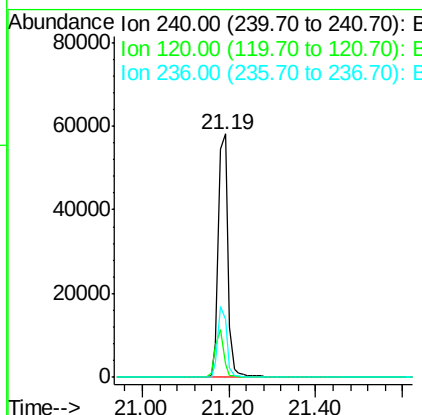
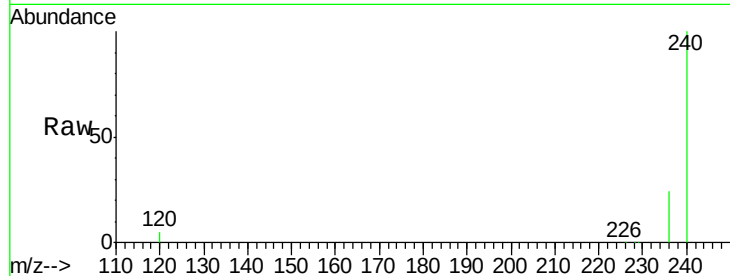
Abundance Ion 202.00 (201.70 to 202.70): E
 Ion 101.00 (100.70 to 101.70): E
 Ion 203.00 (202.70 to 203.70): E





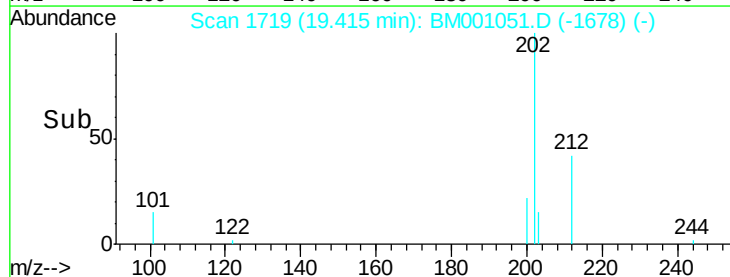
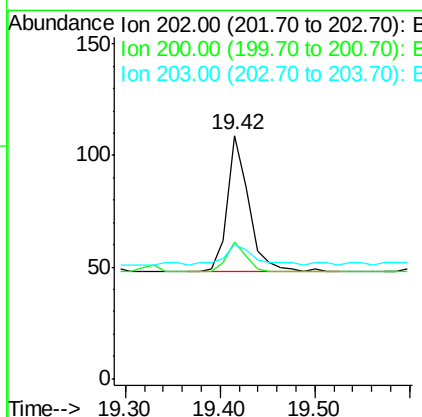
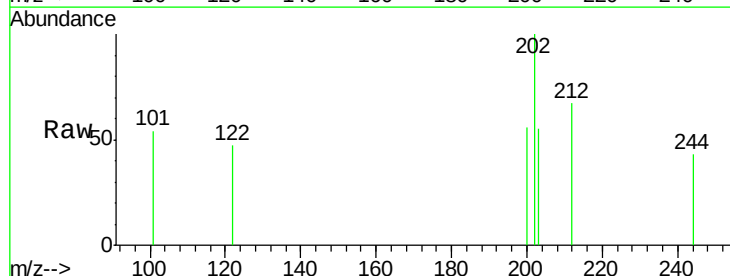
#19
Chrysene-d12
Concen: 5.00 ng
RT: 21.19 min Scan# 1874
Delta R.T. 0.00 min
Lab File: BM001051.D
Acq: 18 Apr 2015 08:37

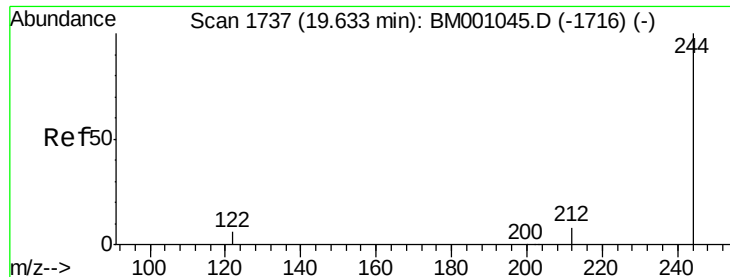
Tot Ion:240 Resp: 86933
Ion Ratio Lower Upper
240 100
120 5.3 4.6 6.8
236 23.6 19.1 28.7



#20
Pyrene
Concen: 0.00 ng
RT: 19.42 min Scan# 1719
Delta R.T. 0.00 min
Lab File: BM001051.D
Acq: 18 Apr 2015 08:37

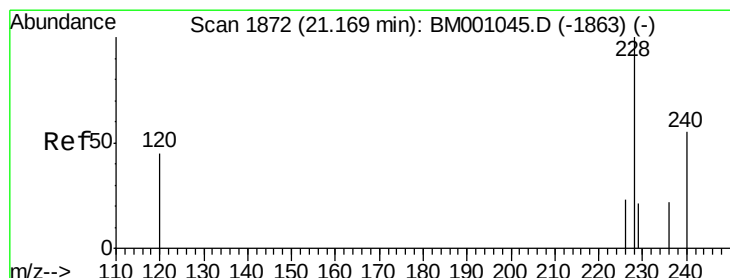
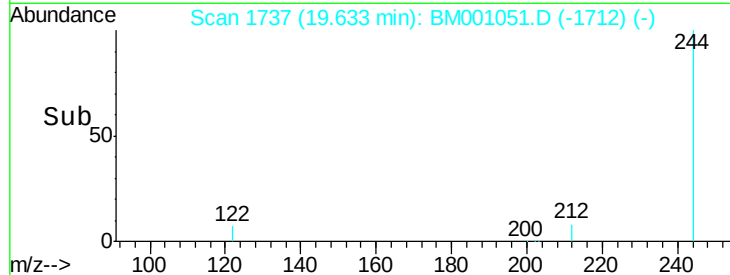
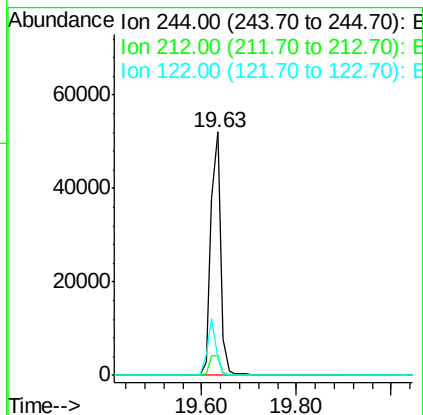
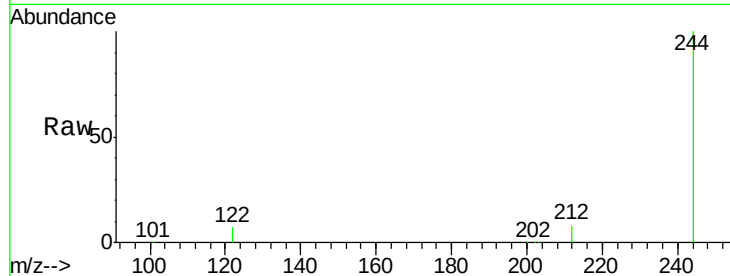
Tgt Ion:202 Resp: 95
Ion Ratio Lower Upper
202 100
200 18.9 16.3 24.5
203 20.0 13.8 20.6





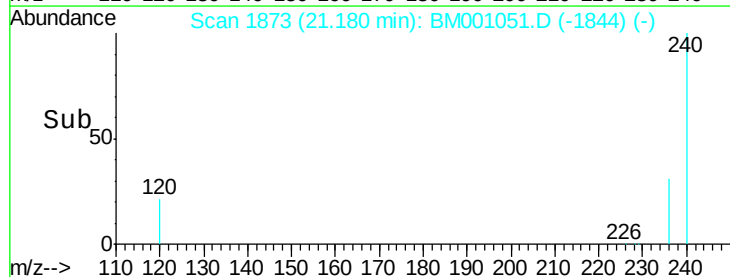
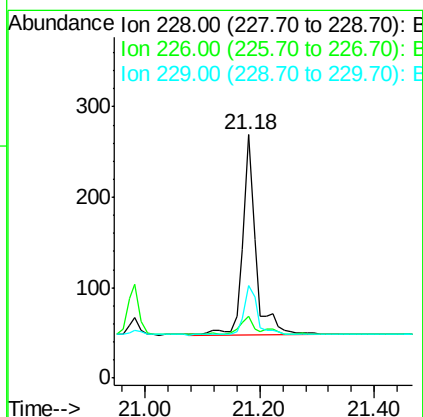
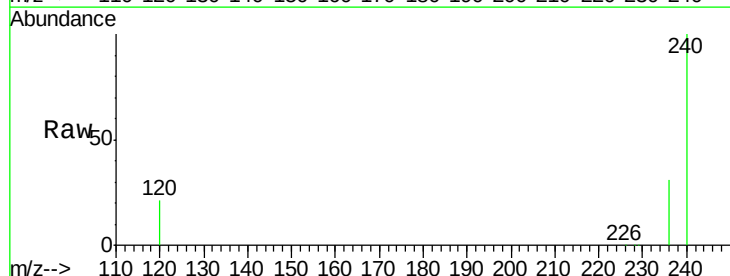
#21
 Terphenyl-d14
 Concen: 6.51 ng
 RT: 19.63 min Scan# 1737
 Delta R.T. 0.00 min
 Lab File: BM001051.D
 Acq: 18 Apr 2015 08:37

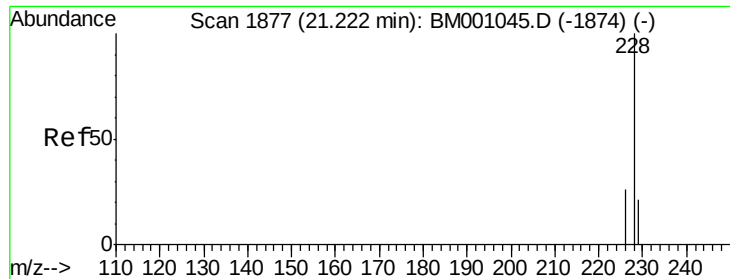
Tot Ion:244 Resp: 75032
 Ion Ratio Lower Upper
 244 100
 212 8.2 7.1 10.7
 122 7.1 5.9 8.9



#22
 Benzo(a)anthracene
 Concen: 0.01 ng
 RT: 21.18 min Scan# 1873
 Delta R.T. 0.01 min
 Lab File: BM001051.D
 Acq: 18 Apr 2015 08:37

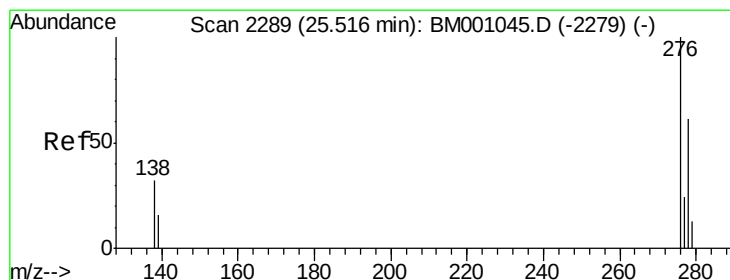
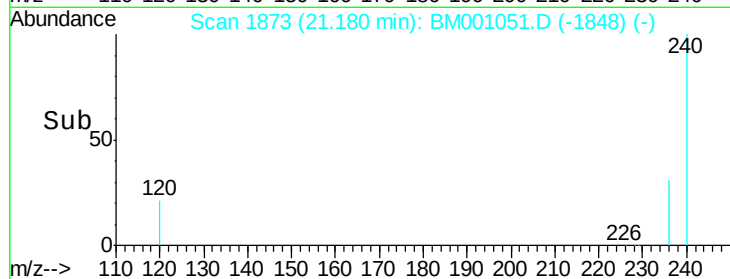
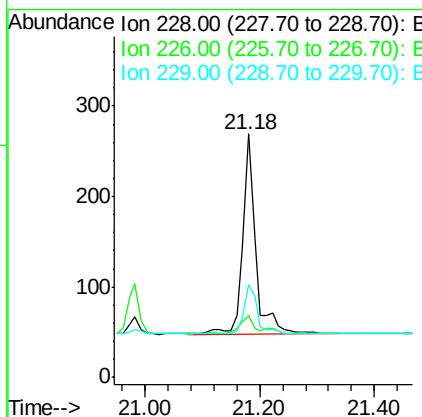
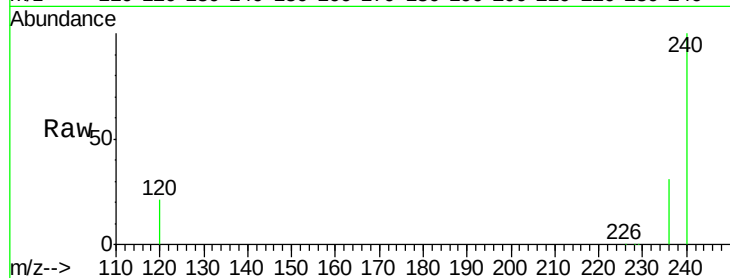
Tgt Ion:228 Resp: 355
 Ion Ratio Lower Upper
 228 100
 226 25.3 19.0 28.6
 229 38.3 16.8 25.2#





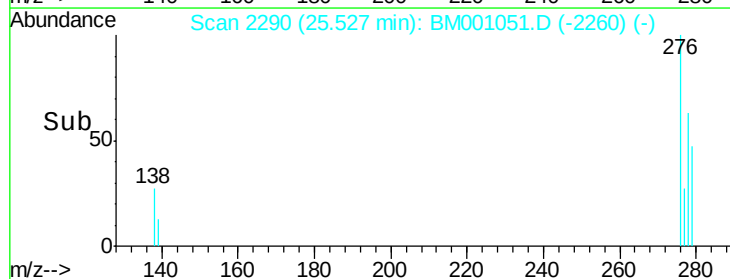
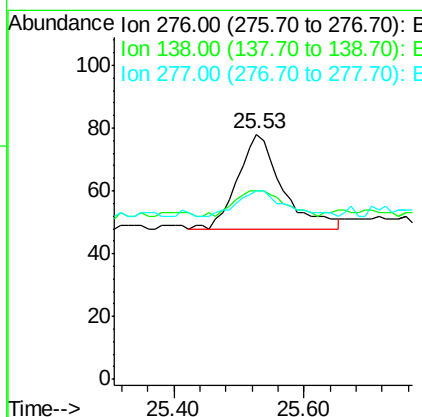
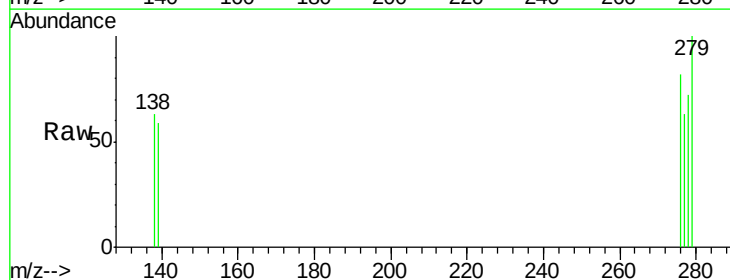
#23
Chrysene
Concen: 0.01 ng
RT: 21.18 min Scan# 1873
Delta R.T. -0.04 min
Lab File: BM001051.D
Acq: 18 Apr 2015 08:37

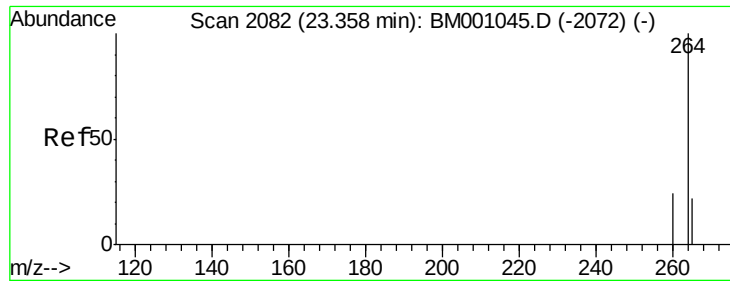
Tot Ion:228 Resp: 355
Ion Ratio Lower Upper
228 100
226 25.3 20.6 31.0
229 38.3 17.2 25.8#



#24
Indeno(1,2,3-cd)pyrene
Concen: 0.01 ng
RT: 25.53 min Scan# 2290
Delta R.T. 0.01 min
Lab File: BM001051.D
Acq: 18 Apr 2015 08:37

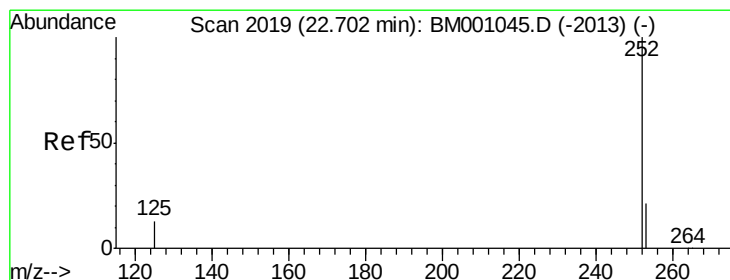
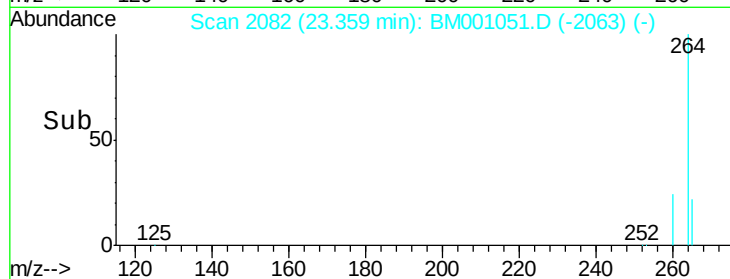
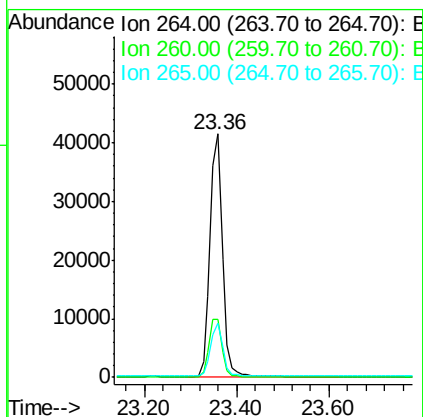
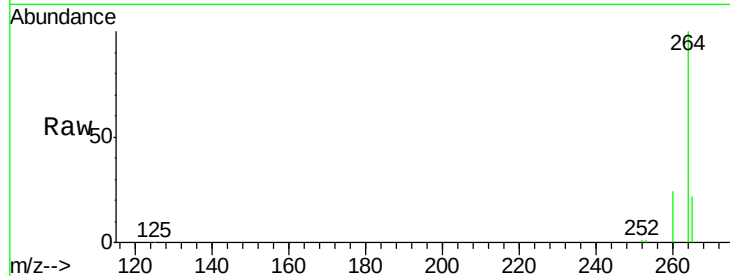
Tgt Ion:276 Resp: 141
Ion Ratio Lower Upper
276 100
138 29.8 26.3 39.5
277 27.7 19.5 29.3





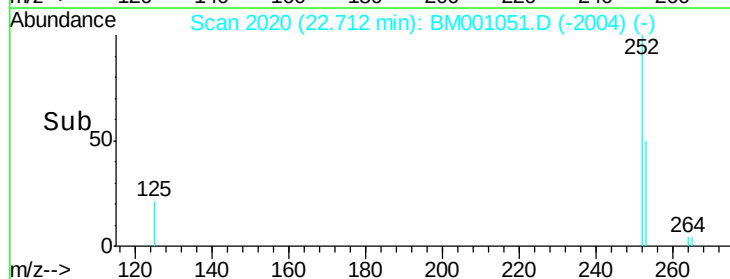
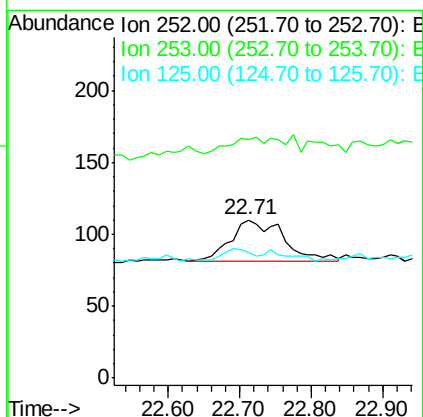
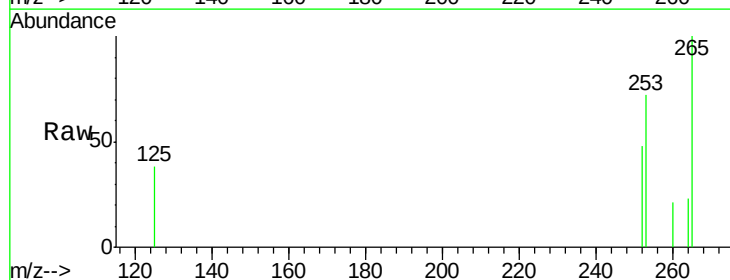
#25
Pervlene-d12
Concen: 5.00 ng
RT: 23.36 min Scan# 2082
Delta R.T. 0.00 min
Lab File: BM001051.D
Acq: 18 Apr 2015 08:37

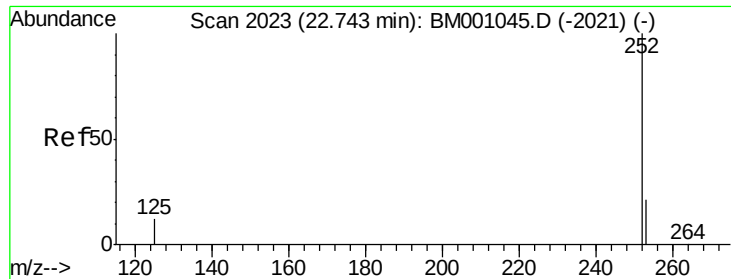
Tot Ion:264 Resp: 78487
Ion Ratio Lower Upper
264 100
260 23.7 19.0 28.6
265 22.1 17.9 26.9



#26
Benzo(b)fluoranthene
Concen: 0.01 ng
RT: 22.71 min Scan# 2020
Delta R.T. 0.01 min
Lab File: BM001051.D
Acq: 18 Apr 2015 08:37

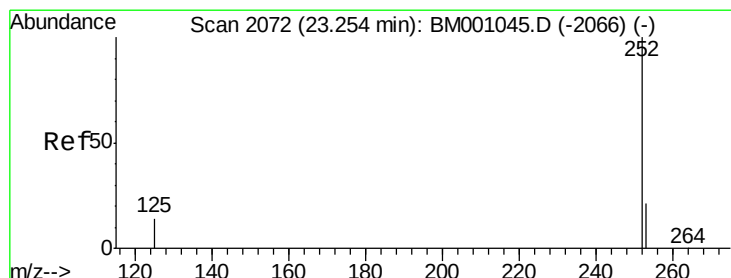
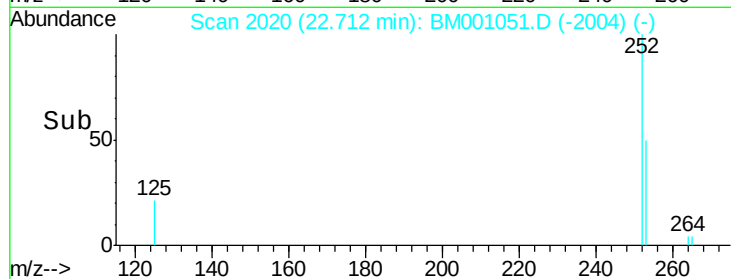
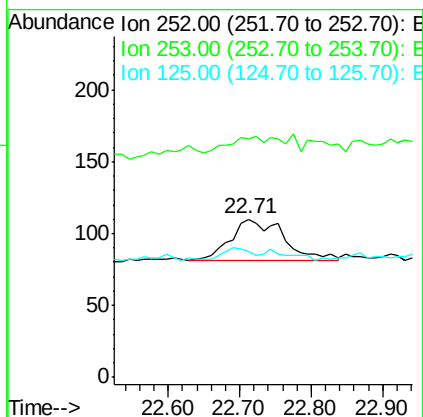
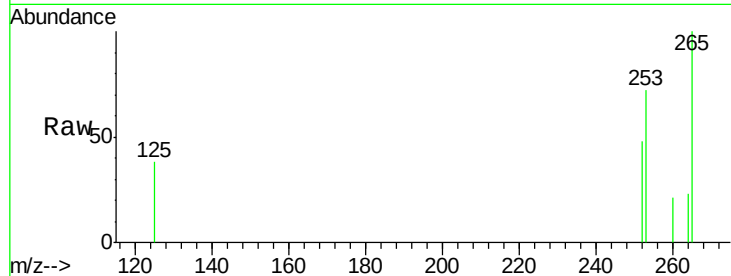
Tgt Ion:252 Resp: 153
Ion Ratio Lower Upper
252 100
253 150.9 18.2 27.2#
125 80.0 10.9 16.3#





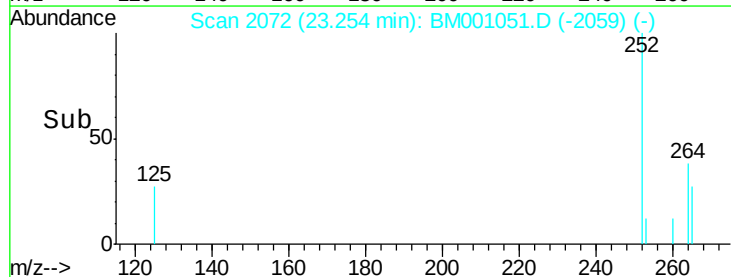
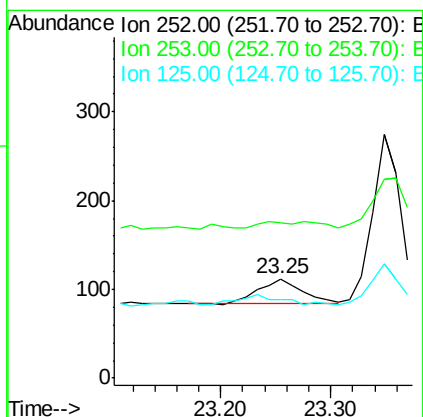
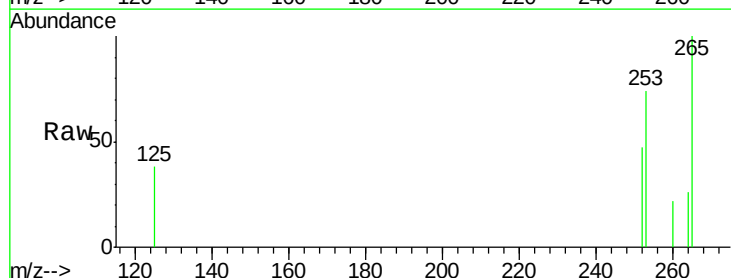
#27
Benzo(k)fluoranthene
Concen: 0.01 ng
RT: 22.71 min Scan# 2020
Delta R.T. -0.03 min
Lab File: BM001051.D
Acq: 18 Apr 2015 08:37

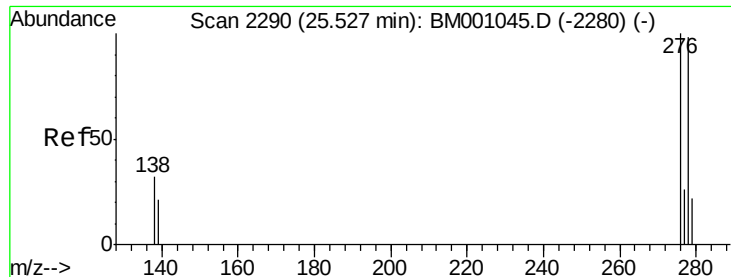
Tot Ion:252 Resp: 153
Ion Ratio Lower Upper
252 100
253 150.9 18.3 27.5#
125 80.0 10.6 15.8#



#28
Benzo(a)pyrene
Concen: 0.00 ng
RT: 23.25 min Scan# 2072
Delta R.T. 0.00 min
Lab File: BM001051.D
Acq: 18 Apr 2015 08:37

Tgt Ion:252 Resp: 76
Ion Ratio Lower Upper
252 100
253 156.3 18.6 27.8#
125 79.5 11.9 17.9#





#29

Dibenzo(a,h)anthracene

Concen: 0.01 ng

RT: 25.54 min Scan# 2291

Delta R.T. 0.01 min

Lab File: BM001051.D

Acq: 18 Apr 2015 08:37

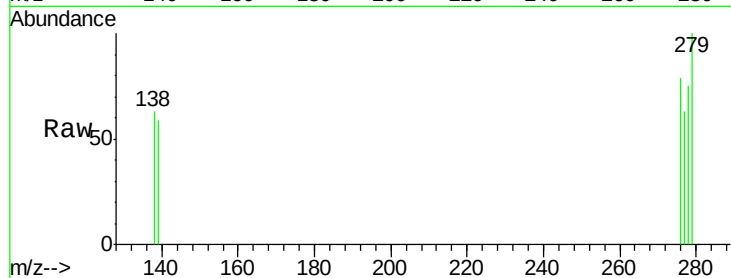
Tot Ion:278 Resp: 111

Ion Ratio Lower Upper

278 100

139 79.2 18.2 27.2#

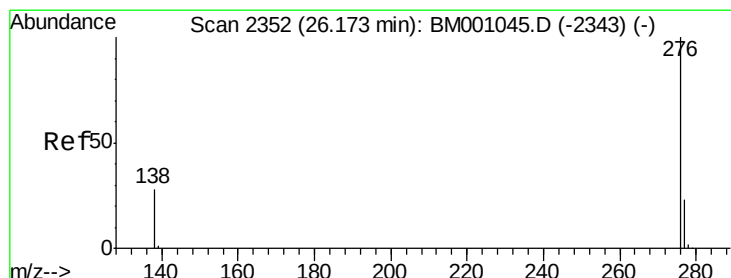
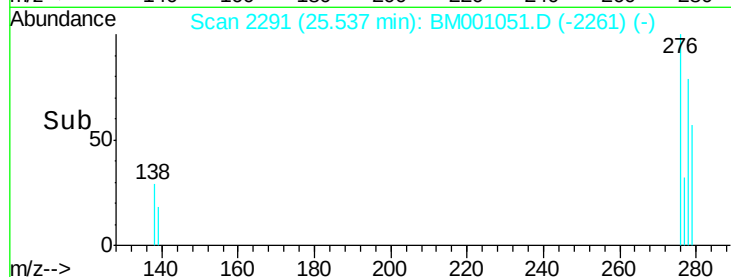
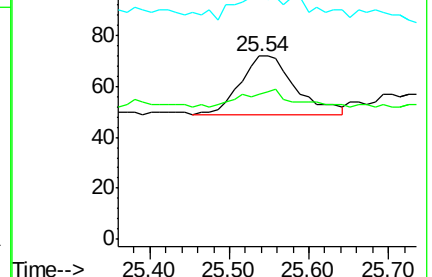
279 133.3 19.1 28.7#



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



#30

Benzo(g,h,i)perylene

Concen: 0.01 ng

RT: 26.18 min Scan# 2353

Delta R.T. 0.01 min

Lab File: BM001051.D

Acq: 18 Apr 2015 08:37

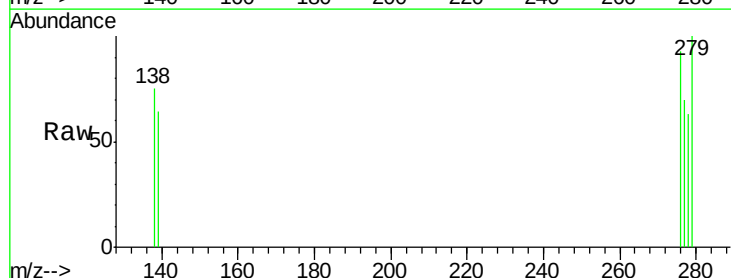
Tgt Ion:276 Resp: 141

Ion Ratio Lower Upper

276 100

277 76.0 19.0 28.4#

138 81.3 23.4 35.2#



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

