

Data Path : Z:\HPCHEM1\BNA M\DATA\BM041815\
 Data File : BM001060.D
 Acq On : 18 Apr 2015 15:11
 Operator : TP/IZ
 Sample : G1856-03
 Misc :
 ALS Vial : 30 Sample Multiplier: 1

Quant Time: Apr 20 08:18:01 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	21749	5.00	ng	0.00
4) Naphthalene-d8	10.36	136	79273	5.00	ng	0.00
8) Acenaphthene-d10	14.24	164	43312	5.00	ng	0.00
13) Phenanthrene-d10	16.99	188	95705	5.00	ng	0.00
19) Chrysene-d12	21.19	240	83965	5.00	ng	0.00
25) Perylene-d12	23.36	264	76057	5.00	ng	0.00

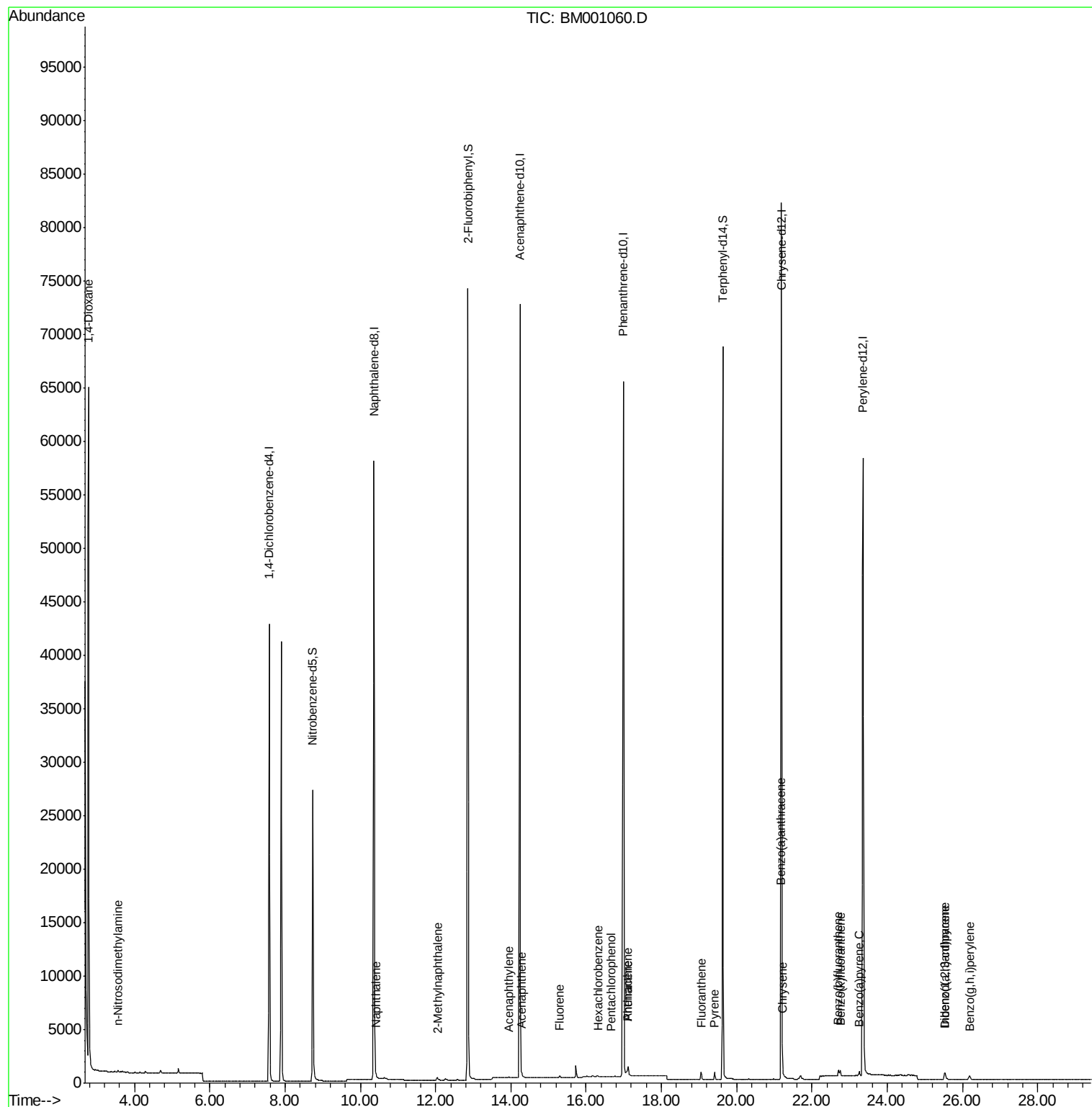
System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) Nitrobenzene-d5	8.74	82	23829	5.76	ng	0.00
9) 2-Fluorobiphenyl	12.86	172	78143	5.47	ng	0.00
21) Terphenyl-d14	19.63	244	75998	6.83	ng	0.00

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) 1,4-Dioxane	2.78	88	3424	1.40	ng	# 100
3) n-Nitrosodimethylamine	3.56	42	82	0.04	ng	# 1
6) Naphthalene	10.41	128	212	0.01	ng	# 33
7) 2-Methylnaphthalene	12.05	142	200	0.02	ng	# 81
10) Acenaphthylene	13.95	152	132	0.01	ng	# 62
11) Acenaphthene	14.29	154	105	0.01	ng	# 82
12) Fluorene	15.30	166	191	0.01	ng	# 97
14) Hexachlorobenzene	16.31	284	117	0.02	ng	# 100
15) Pentachlorophenol	16.66	266	16	0.29	ng	# 63
16) Phenanthrene	17.11	178	339	0.01	ng	# 99
17) Anthracene	17.11	178	331	0.01	ng	# 97
18) Fluoranthene	19.05	202	662	0.02	ng	# 99
20) Pyrene	19.42	202	658	0.02	ng	# 97
22) Benzo(a)anthracene	21.17	228	949	0.04	ng	# 87
23) Chrysene	21.22	228	750	0.03	ng	# 88
24) Indeno(1,2,3-cd)pyrene	25.53	276	831	0.03	ng	# 98
26) Benzo(b)fluoranthene	22.70	252	855	0.03	ng	# 47
27) Benzo(k)fluoranthene	22.75	252	667	0.03	ng	# 42
28) Benzo(a)pyrene	23.25	252	575	0.03	ng	# 26
29) Dibenzo(a,h)anthracene	25.54	278	656	0.03	ng	# 54
30) Benzo(g,h,i)perylene	26.18	276	755	0.03	ng	# 74

(#) = 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: BM001060.D

Acq: 18 Apr 2015 15:11

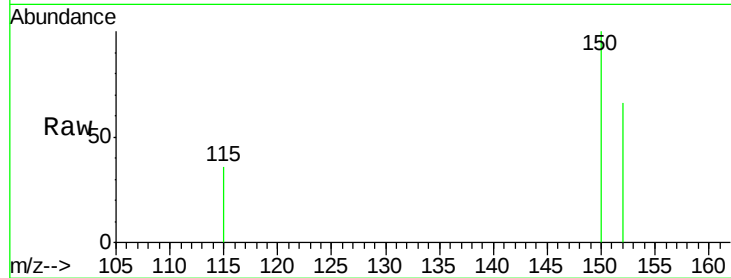
Tot Ion:152 Resp: 21749

Ion Ratio Lower Upper

152 100

150 151.7 123.3 184.9

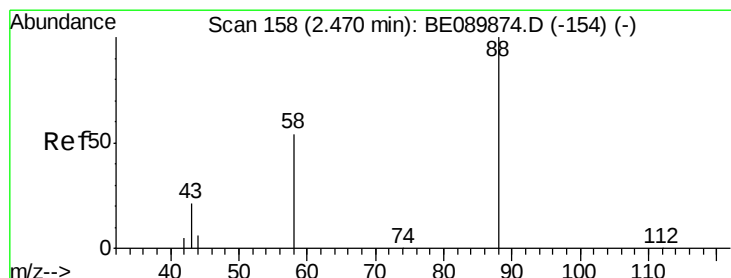
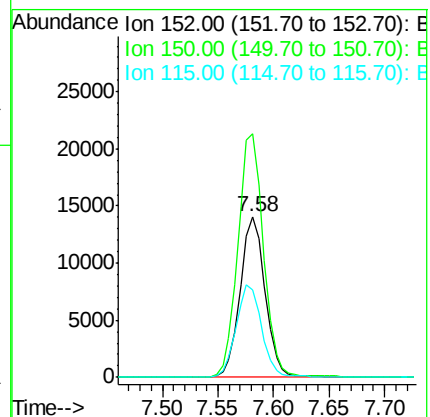
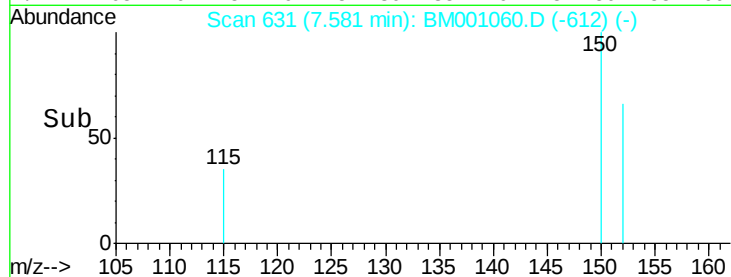
115 54.1 45.0 67.6



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: 1.40 ng

RT: 2.78 min Scan# 10

Delta R.T. -0.30 min

Lab File: BM001060.D

Acq: 18 Apr 2015 15:11

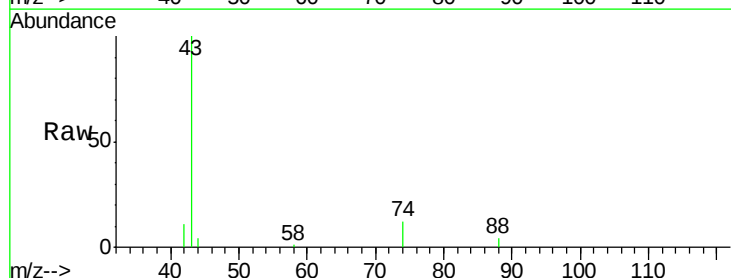
Tgt Ion: 88 Resp: 3424

Ion Ratio Lower Upper

88 100

58 22.4 0.0 0.0#

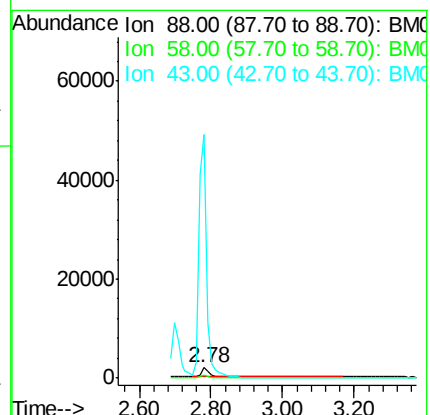
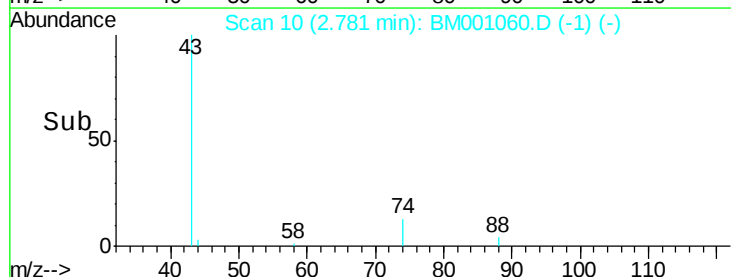
43 2023.3 0.0 0.0#

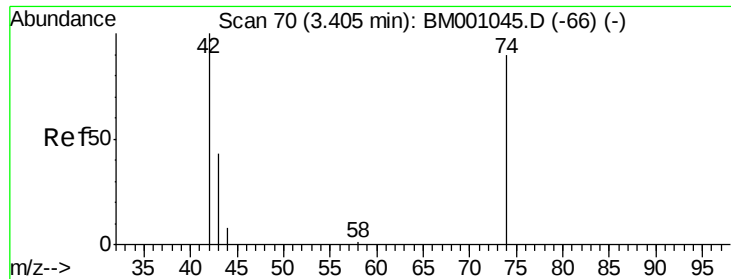


Abundance Ion 88.00 (87.70 to 88.70): BM0

Ion 58.00 (57.70 to 58.70): BM0

Ion 43.00 (42.70 to 43.70): BM0

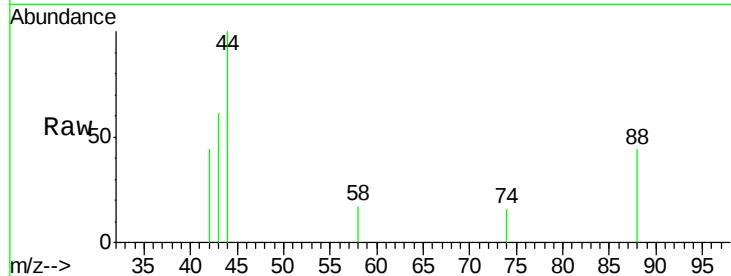




#3

n-Nitrosodimethylamine
 Concen: 0.04 ng
 RT: 3.56 min Scan# 85
 Delta R.T. 0.16 min
 Lab File: BM001060.D
 Acq: 18 Apr 2015 15:11

Tot Ion	Ratio	Lower	Upper
42	100		
74	0.0	92.1	138.1#
44	24.4	5.8	8.6#

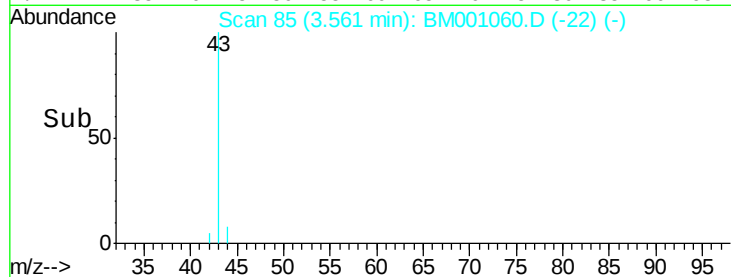


Abundance Ion 42.00 (41.70 to 42.70): BM001045.D (-66) (-)

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

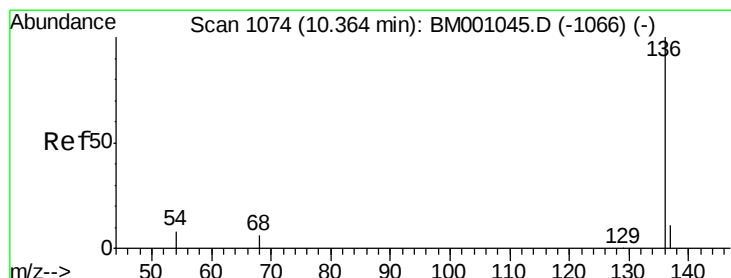
Ion 44.00 (43.70 to 44.70): BM001045.D (-66) (-)

Time-->



Time-->

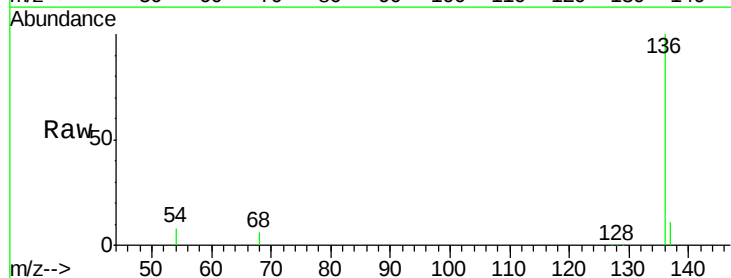
Time-->



#4

Naphthalene-d8
 Concen: 5.00 ng
 RT: 10.36 min Scan# 1074
 Delta R.T. 0.00 min
 Lab File: BM001060.D
 Acq: 18 Apr 2015 15:11

Tgt Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.6	13.0
54	8.3	6.5	9.7

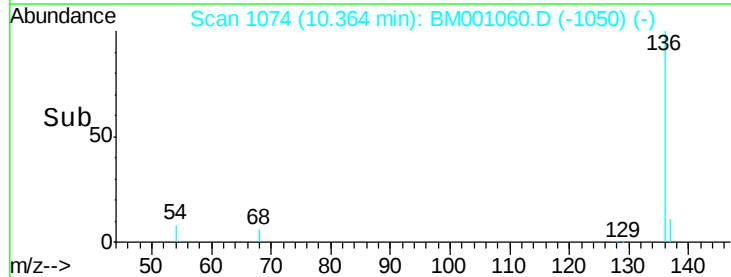


Abundance Ion 136.00 (135.70 to 136.70): BM001045.D (-1066) (-)

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

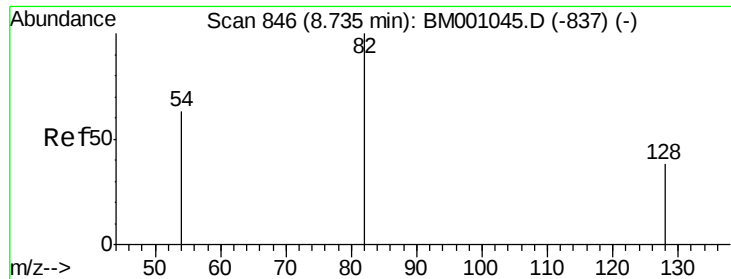
Ion 54.00 (53.70 to 54.70): BM001045.D (-1066) (-)

Time-->



Time-->

Time-->



#5

Nitrobenzene-d5

Concen: 5.76 ng

RT: 8.74 min Scan# 846

Delta R.T. 0.00 min

Lab File: BM001060.D

Acq: 18 Apr 2015 15:11

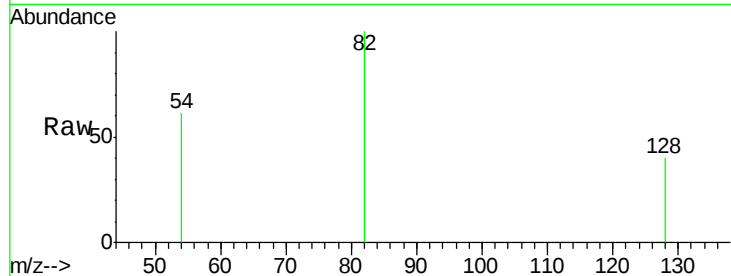
Tot Ion: 82 Resp: 23829

Ion Ratio Lower Upper

82 100

128 39.5 31.9 47.9

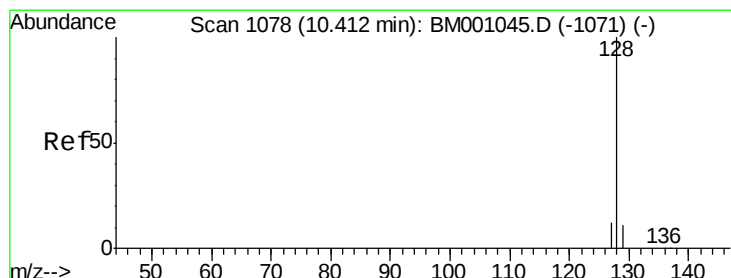
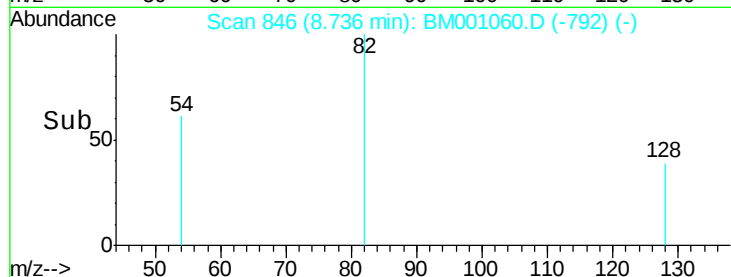
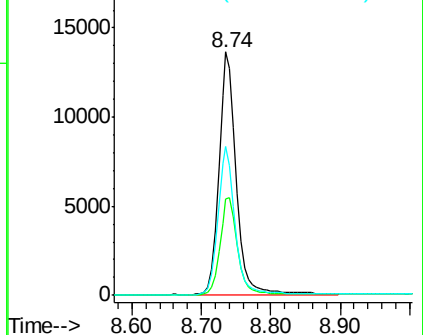
54 61.0 51.3 76.9



Abundance Ion 82.00 (81.70 to 82.70): BM001060.D (-1053) (-)

Ion 128.00 (127.70 to 128.70): BM001060.D (-1053) (-)

Ion 54.00 (53.70 to 54.70): BM001060.D (-1053) (-)



#6

Naphthalene

Concen: 0.01 ng

RT: 10.41 min Scan# 1078

Delta R.T. 0.00 min

Lab File: BM001060.D

Acq: 18 Apr 2015 15:11

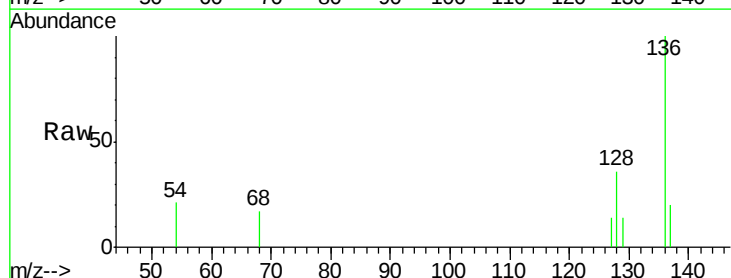
Tgt Ion: 128 Resp: 212

Ion Ratio Lower Upper

128 100

129 38.6 9.3 13.9#

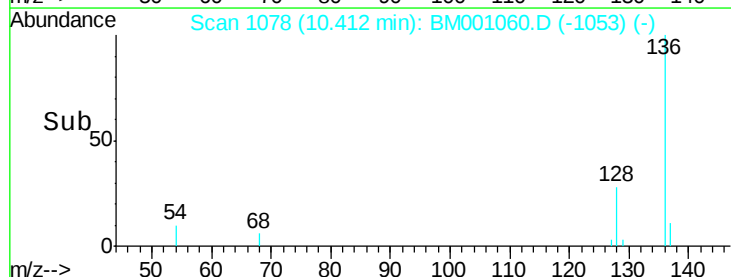
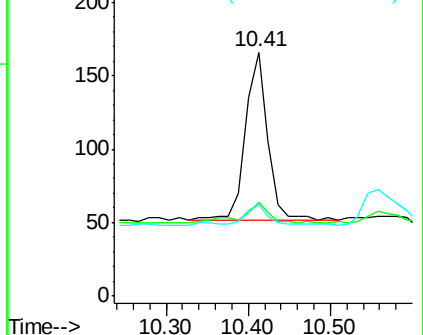
127 37.3 10.0 15.0#



Abundance Ion 128.00 (127.70 to 128.70): BM001060.D (-1053) (-)

Ion 129.00 (128.70 to 129.70): BM001060.D (-1053) (-)

Ion 127.00 (126.70 to 127.70): BM001060.D (-1053) (-)





#7

2-Methylnaphthalene

Concen: 0.02 ng

RT: 12.05 min Scan# 1225

Delta R.T. 0.01 min

Lab File: BM001060.D

Acq: 18 Apr 2015 15:11

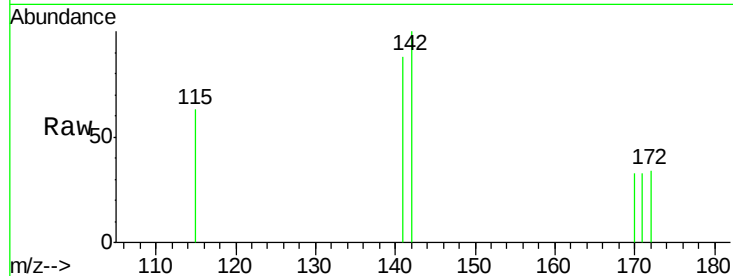
Tot Ion:142 Resp: 200

Ion Ratio Lower Upper

142 100

141 87.7 66.7 100.1

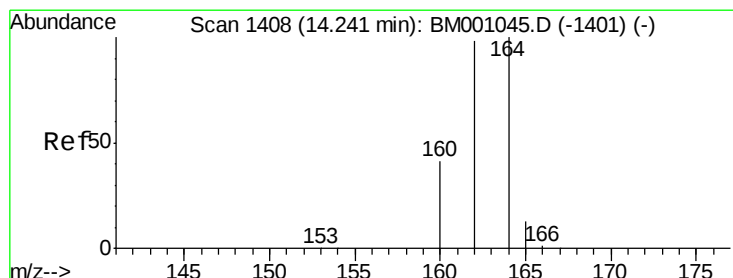
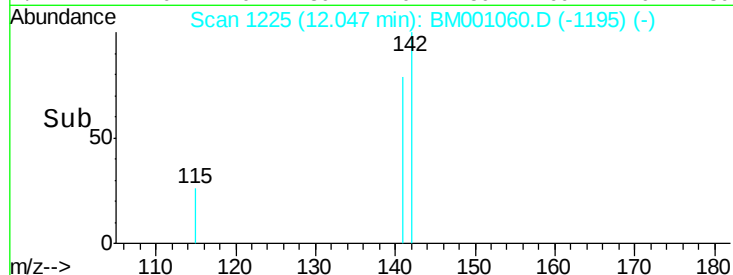
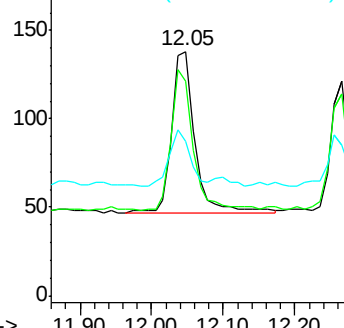
115 63.0 25.5 38.3#



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: BM001060.D

Acq: 18 Apr 2015 15:11

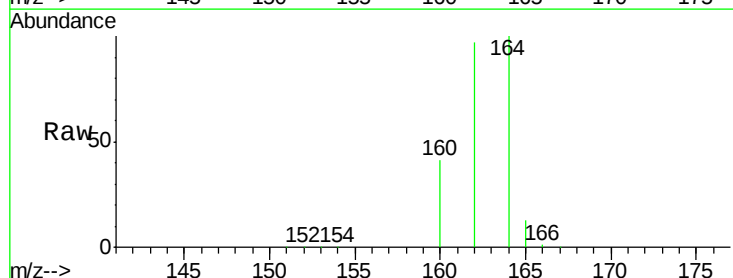
Tgt Ion:164 Resp: 43312

Ion Ratio Lower Upper

164 100

162 97.3 78.5 117.7

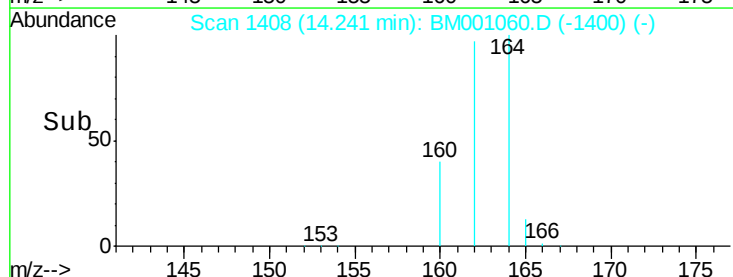
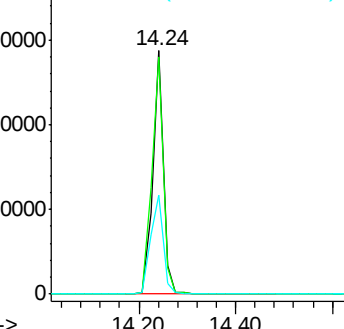
160 40.5 32.9 49.3



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: 5.47 ng

RT: 12.86 min Scan# 1303

Delta R.T. 0.00 min

Lab File: BM001060.D

Acq: 18 Apr 2015 15:11

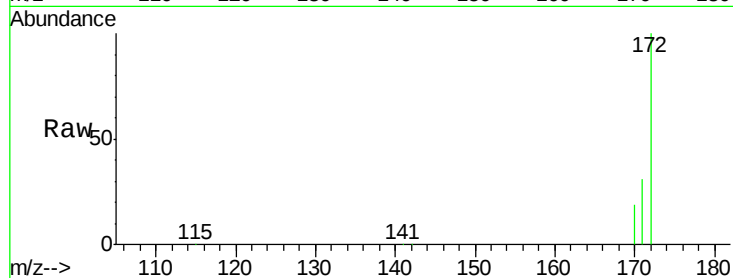
Tot Ion:172 Resp: 78143

Ion Ratio Lower Upper

172 100

171 31.1 25.6 38.4

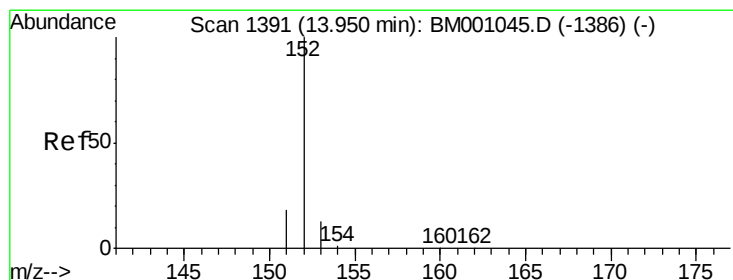
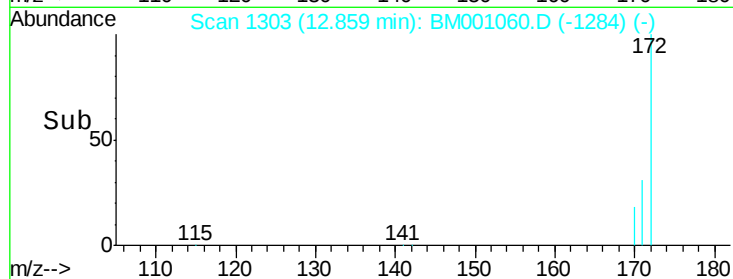
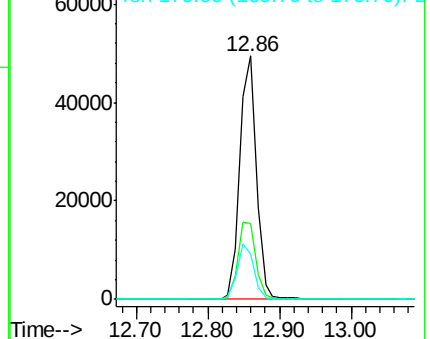
170 18.5 15.8 23.6



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: 0.01 ng

RT: 13.95 min Scan# 1391

Delta R.T. 0.00 min

Lab File: BM001060.D

Acq: 18 Apr 2015 15:11

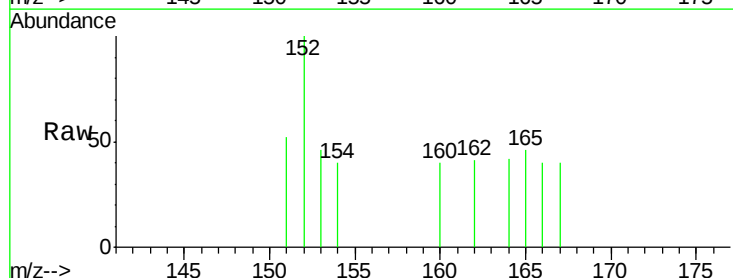
Tgt Ion:152 Resp: 132

Ion Ratio Lower Upper

152 100

151 0.0 14.7 22.1#

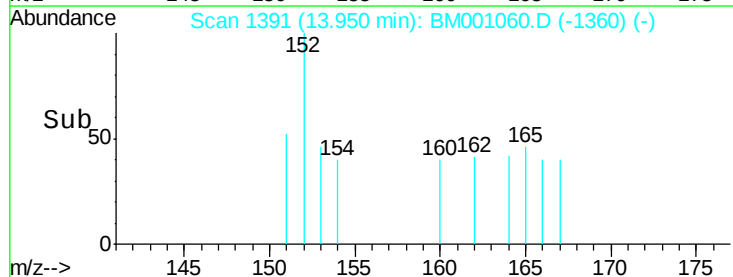
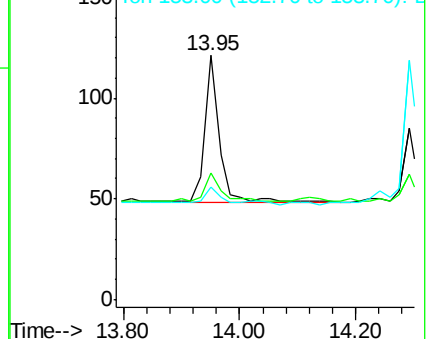
153 0.0 10.2 15.2#

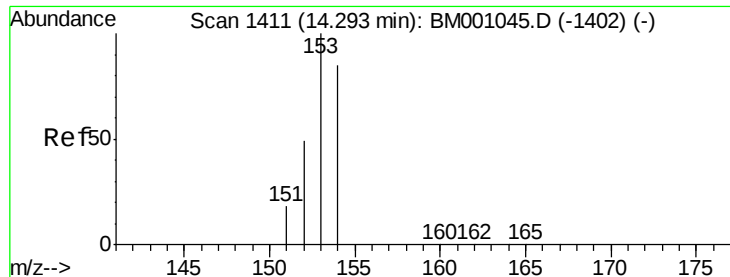


Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E





#11

Acenaphthene

Concen: 0.01 ng

RT: 14.29 min Scan# 1411

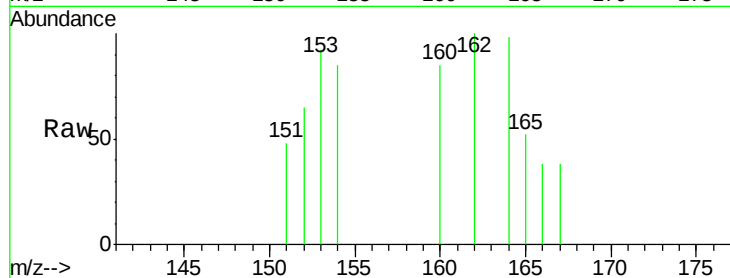
Delta R.T. 0.00 min

Lab File: BM001060.D

Acq: 18 Apr 2015 15:11

Tot Ion:154 Resp: 105

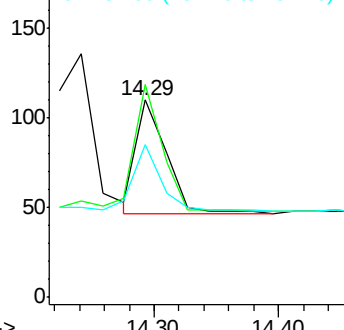
Ion	Ratio	Lower	Upper
154	100		
153	131.4	88.1	132.1
152	62.9	42.3	63.5



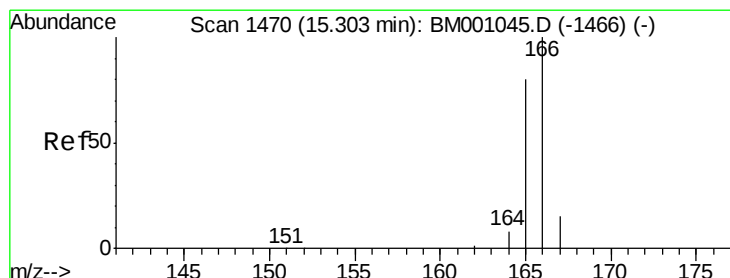
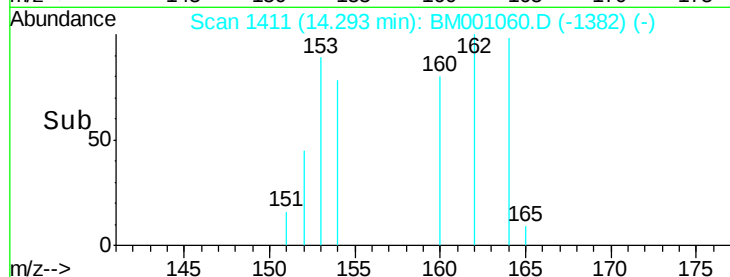
Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



Time-->



#12

Fluorene

Concen: 0.01 ng

RT: 15.30 min Scan# 1470

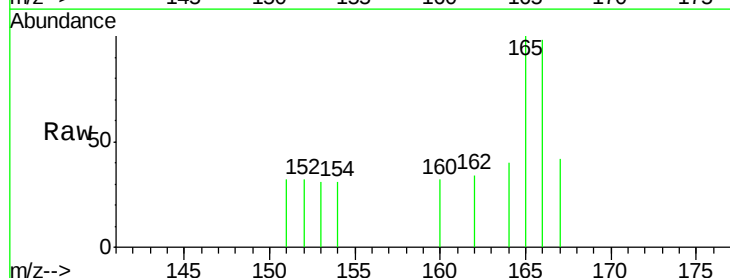
Delta R.T. 0.00 min

Lab File: BM001060.D

Acq: 18 Apr 2015 15:11

Tgt Ion:166 Resp: 191

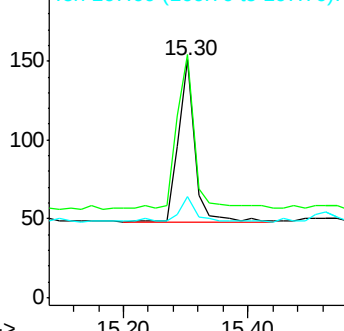
Ion	Ratio	Lower	Upper
166	100		
165	95.8	77.6	116.4
167	19.4	10.6	16.0



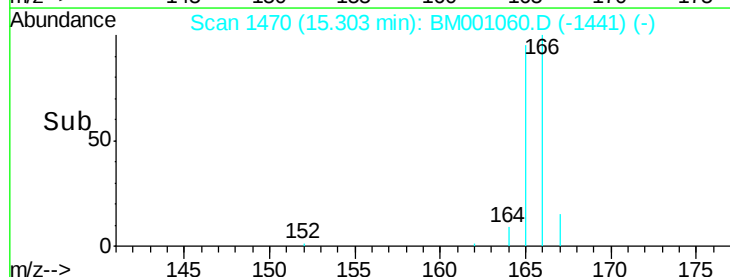
Abundance Ion 166.00 (165.70 to 166.70): E

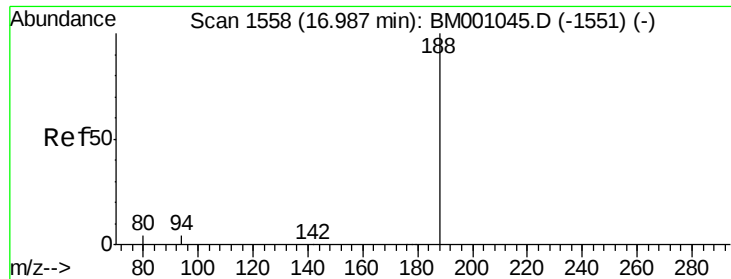
Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



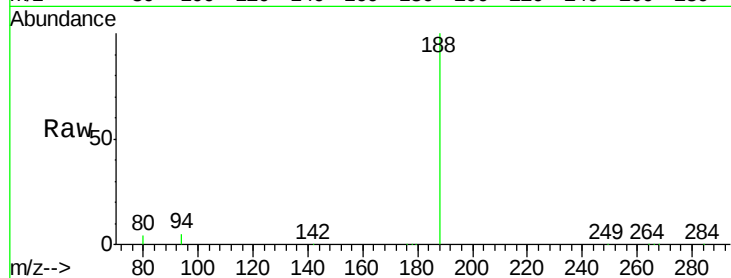
Time-->





#13
Phenanthrene-d10
Concen: 5.00 ng
RT: 16.99 min Scan# 1558
Delta R.T. 0.00 min
Lab File: BM001060.D
Acq: 18 Apr 2015 15:11

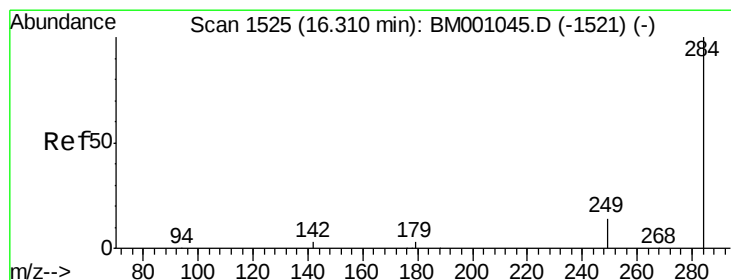
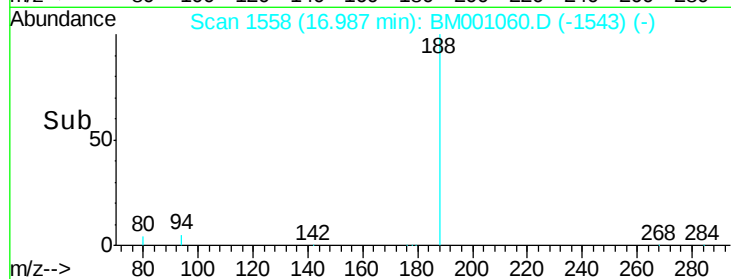
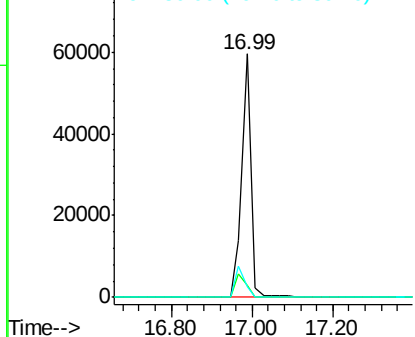
Tot Ion	Ratio	Lower	Upper
188	100		
94	4.9	3.6	5.4
80	4.3	3.0	4.6



Abundance Ion 188.00 (187.70 to 188.70): E

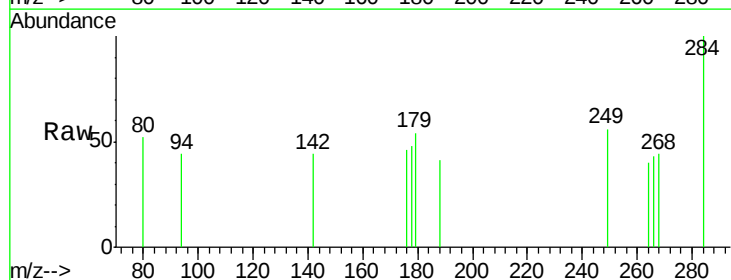
Ion 94.00 (93.70 to 94.70): BM0

Ion 80.00 (79.70 to 80.70): BM0



#14
Hexachlorobenzene
Concen: 0.02 ng
RT: 16.31 min Scan# 1525
Delta R.T. 0.00 min
Lab File: BM001060.D
Acq: 18 Apr 2015 15:11

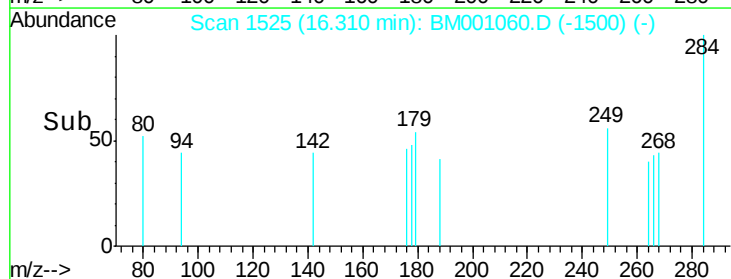
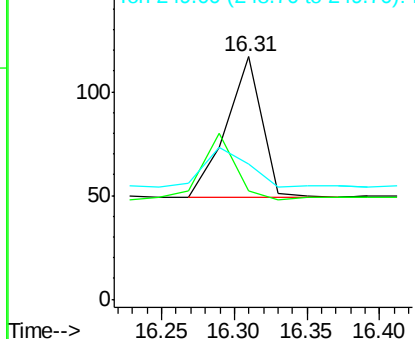
Tgt Ion	Ratio	Lower	Upper
284	100		
142	0.0	0.0	0.0
249	0.0	0.0	0.0



Abundance Ion 283.80 (283.50 to 284.50): E

Ion 142.00 (141.70 to 142.70): E

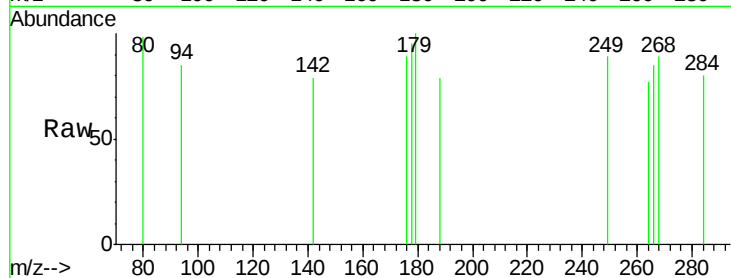
Ion 249.00 (248.70 to 249.70): E



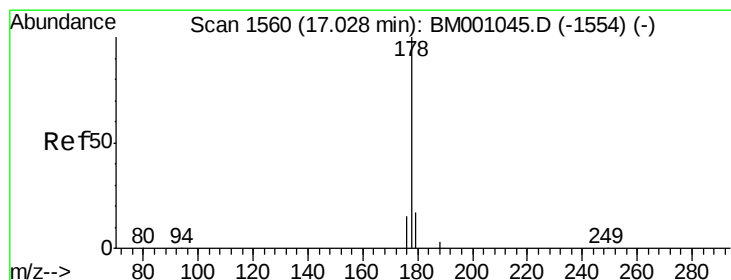
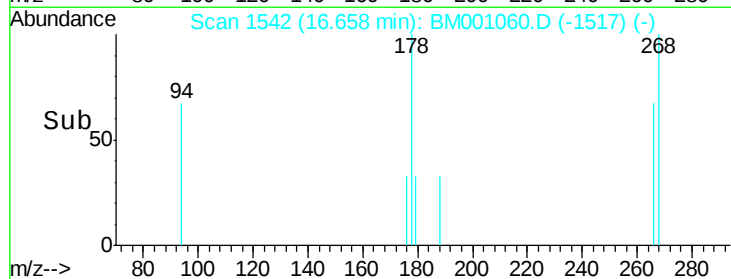
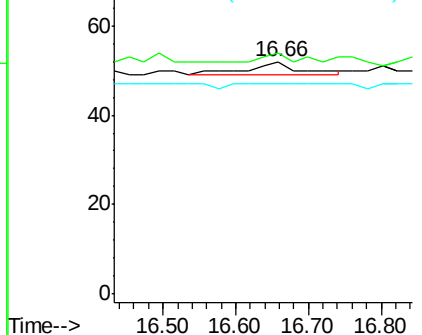


#15
 Pentachlorophenol
 Concen: 0.29 ng
 RT: 16.66 min Scan# 1542
 Delta R.T. 0.02 min
 Lab File: BM001060.D
 Acq: 18 Apr 2015 15:11

Tot Ion: 266 Resp: 16
 Ion Ratio Lower Upper
 266 100
 268 103.8 46.3 69.5#
 264 90.4 59.8 89.6#

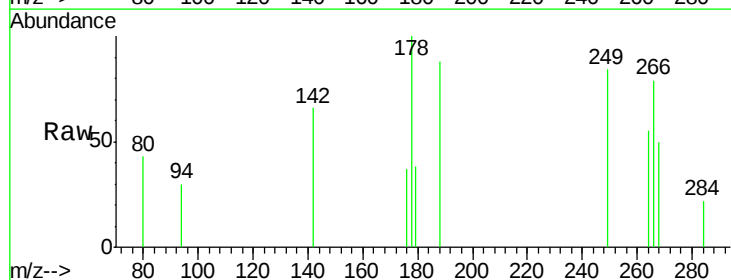


Abundance Ion 265.70 (265.40 to 266.40): E
 Ion 268.00 (267.70 to 268.70): E
 Ion 264.00 (263.70 to 264.70): E

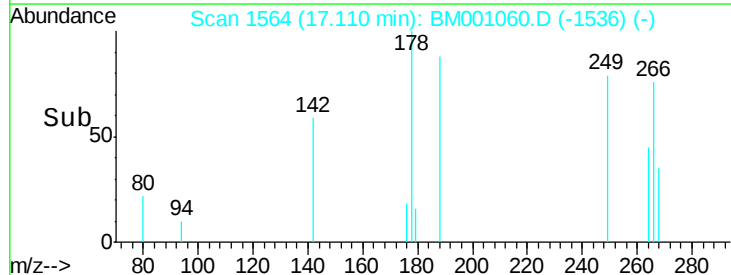
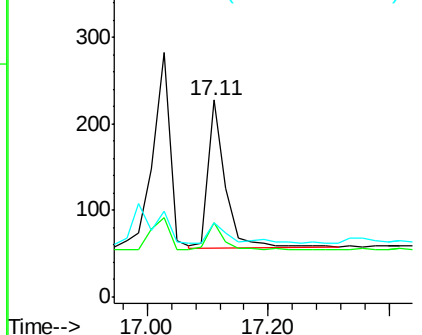


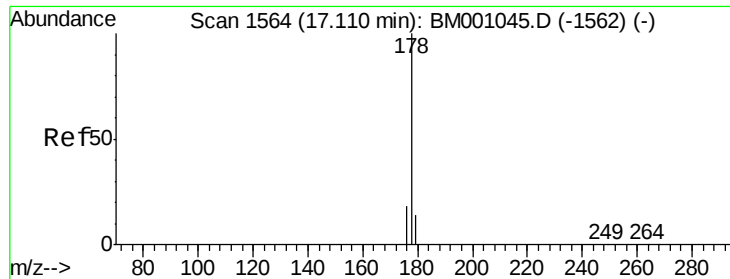
#16
 Phenanthrene
 Concen: 0.01 ng
 RT: 17.11 min Scan# 1564
 Delta R.T. 0.08 min
 Lab File: BM001060.D
 Acq: 18 Apr 2015 15:11

Tgt Ion: 178 Resp: 339
 Ion Ratio Lower Upper
 178 100
 176 17.4 14.6 22.0
 179 15.6 12.6 19.0



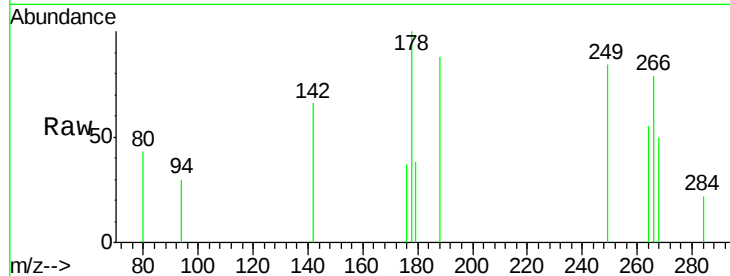
Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E



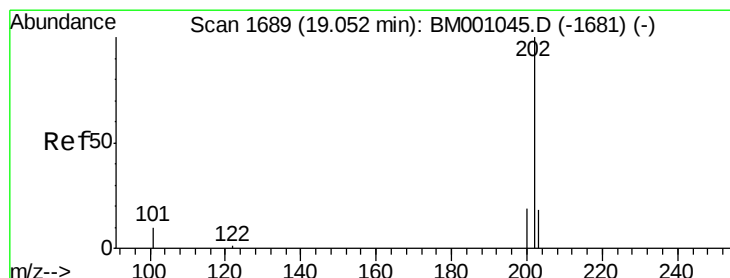
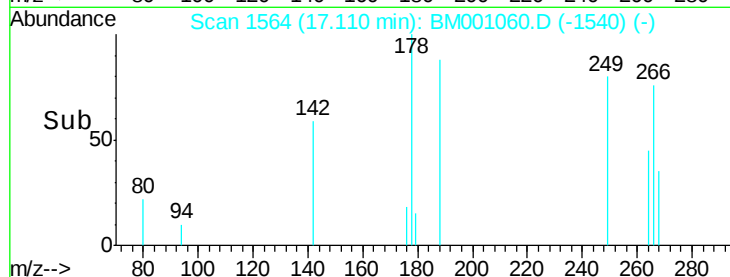
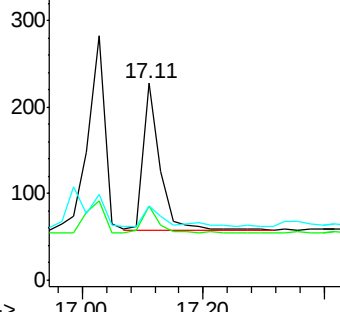


#17
 Anthracene
 Concen: 0.01 ng
 RT: 17.11 min Scan# 1564
 Delta R.T. 0.00 min
 Lab File: BM001060.D
 Acq: 18 Apr 2015 15:11

Tot Ion:178 Resp: 331
 Ion Ratio Lower Upper
 178 100
 176 19.3 14.3 21.5
 179 16.0 11.8 17.8

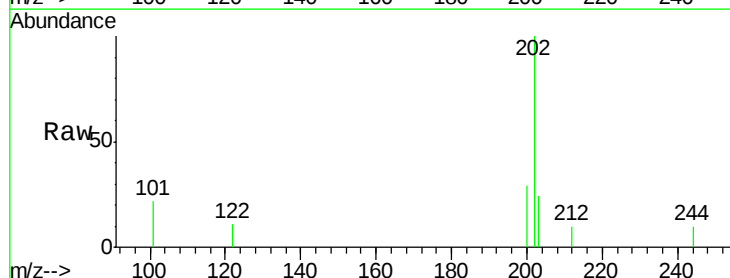


Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E

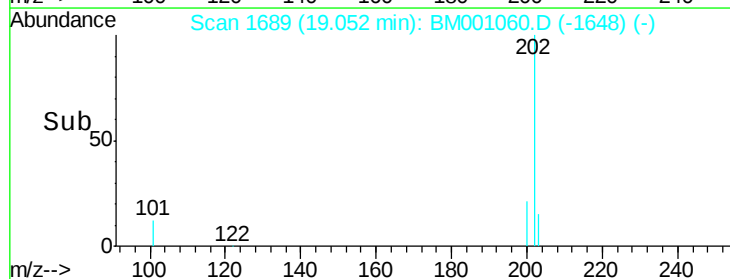
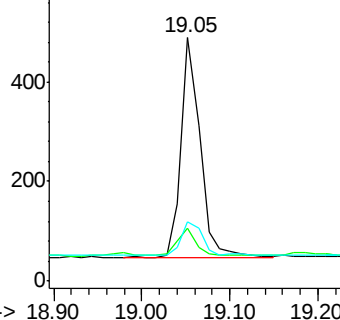


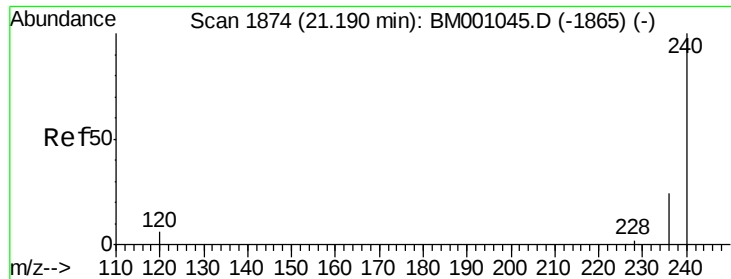
#18
 Fluoranthene
 Concen: 0.02 ng
 RT: 19.05 min Scan# 1689
 Delta R.T. 0.00 min
 Lab File: BM001060.D
 Acq: 18 Apr 2015 15:11

Tgt Ion:202 Resp: 662
 Ion Ratio Lower Upper
 202 100
 101 13.0 10.1 15.1
 203 17.8 13.8 20.8



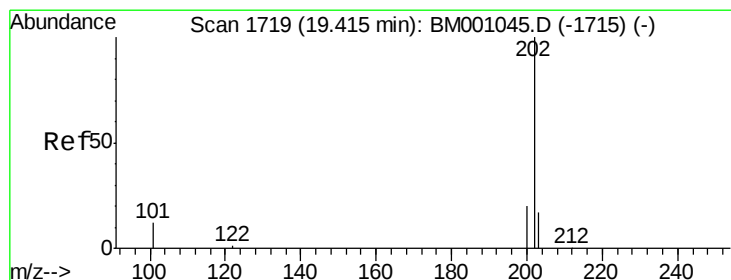
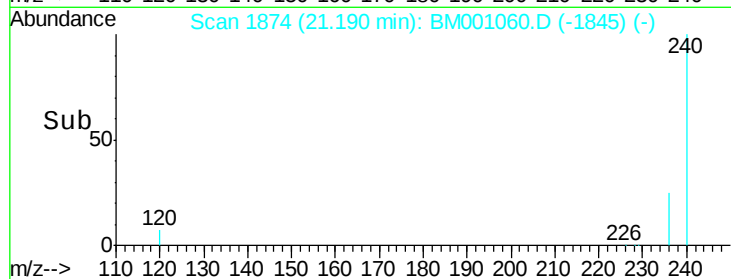
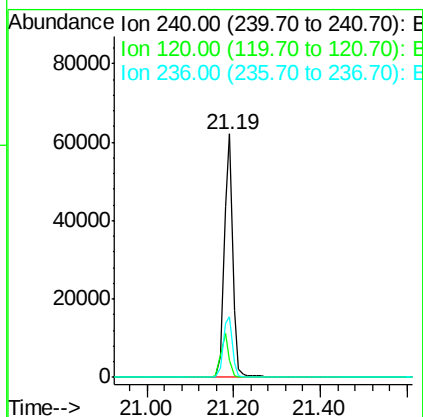
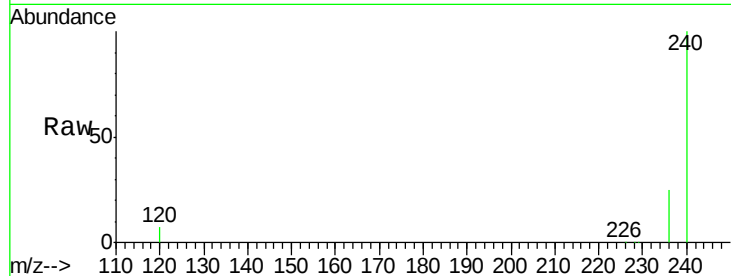
Abundance Ion 202.00 (201.70 to 202.70): E
 Ion 101.00 (100.70 to 101.70): E
 Ion 203.00 (202.70 to 203.70): E





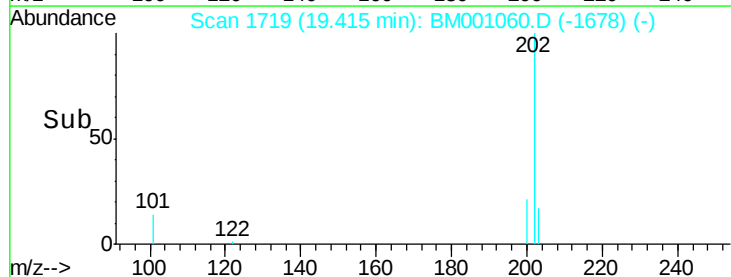
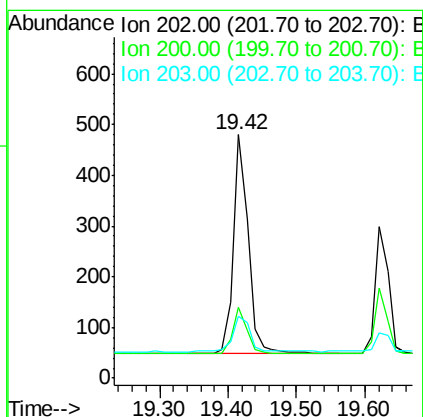
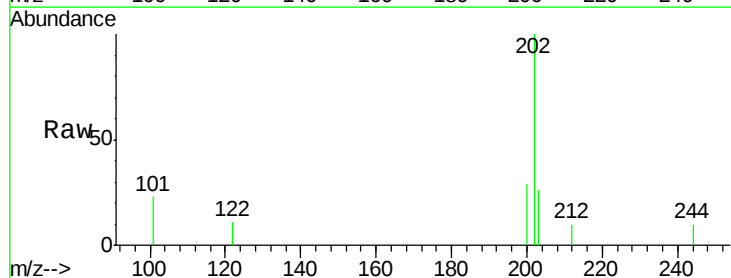
#19
Chrysene-d12
Concen: 5.00 ng
RT: 21.19 min Scan# 1874
Delta R.T. 0.00 min
Lab File: BM001060.D
Acq: 18 Apr 2015 15:11

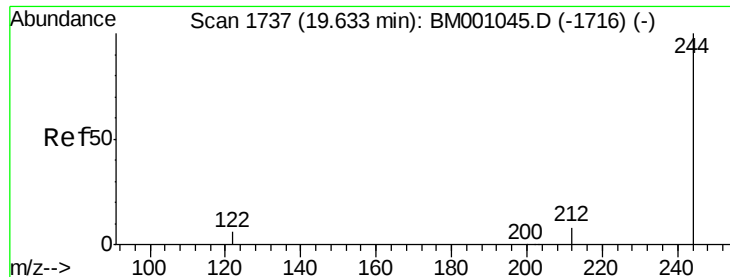
Tot Ion:240 Resp: 83965
Ion Ratio Lower Upper
240 100
120 6.8 4.6 6.8#
236 25.0 19.1 28.7



#20
Pyrene
Concen: 0.02 ng
RT: 19.42 min Scan# 1719
Delta R.T. 0.00 min
Lab File: BM001060.D
Acq: 18 Apr 2015 15:11

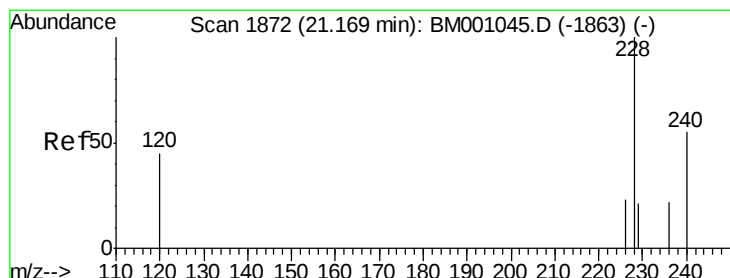
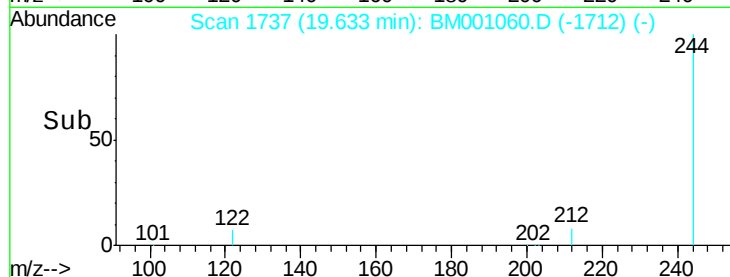
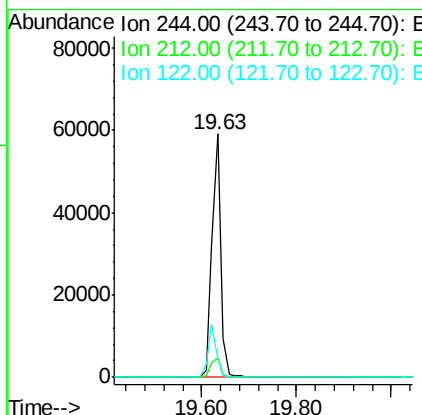
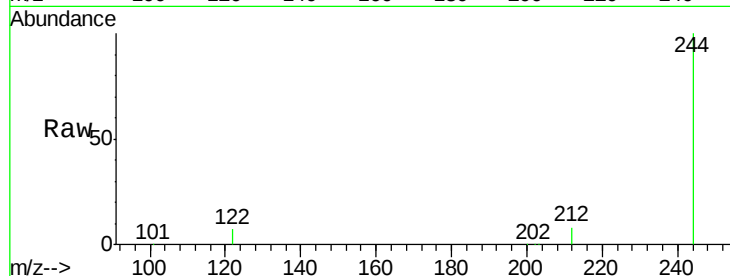
Tgt Ion:202 Resp: 658
Ion Ratio Lower Upper
202 100
200 20.7 16.3 24.5
203 19.8 13.8 20.6





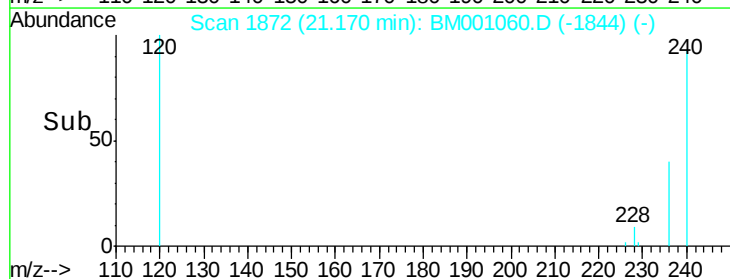
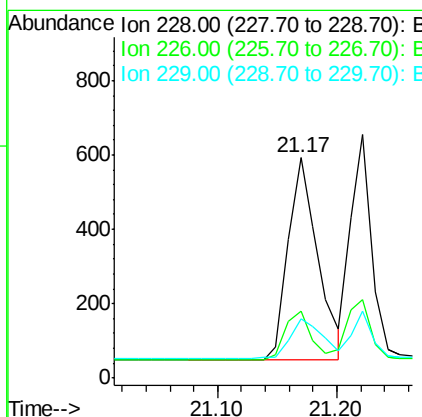
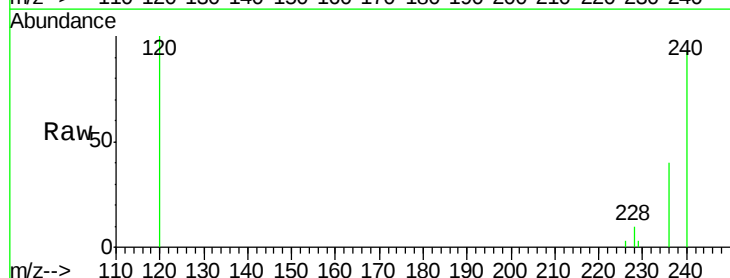
#21
 Terphenyl-d14
 Concen: 6.83 ng
 RT: 19.63 min Scan# 1737
 Delta R.T. 0.00 min
 Lab File: BM001060.D
 Acq: 18 Apr 2015 15:11

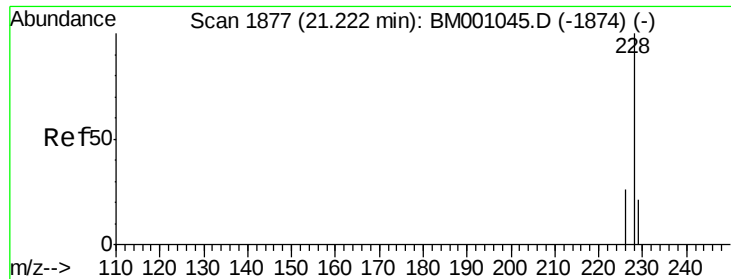
Tot Ion:244 Resp: 75998
 Ion Ratio Lower Upper
 244 100
 212 8.2 7.1 10.7
 122 7.3 5.9 8.9



#22
 Benzo(a)anthracene
 Concen: 0.04 ng
 RT: 21.17 min Scan# 1872
 Delta R.T. 0.00 min
 Lab File: BM001060.D
 Acq: 18 Apr 2015 15:11

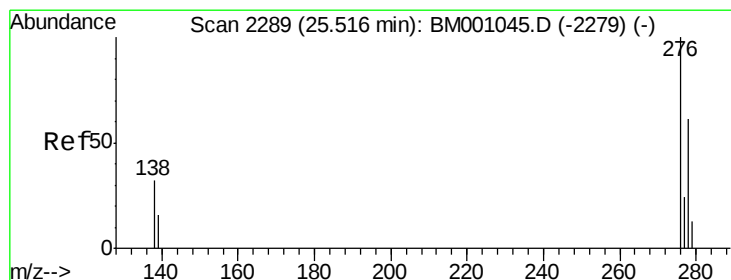
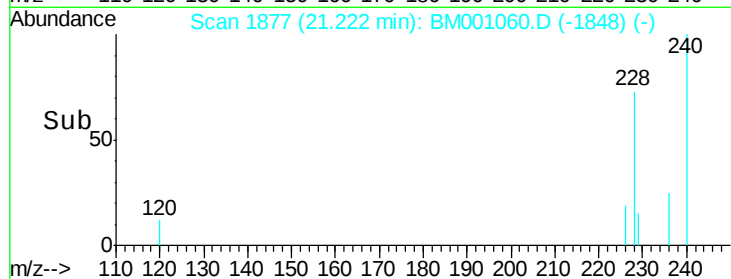
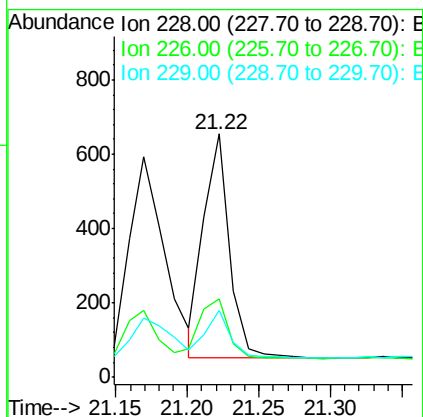
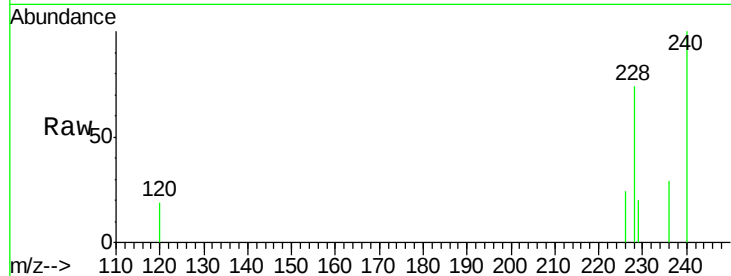
Tgt Ion:228 Resp: 949
 Ion Ratio Lower Upper
 228 100
 226 30.2 19.0 28.6#
 229 27.0 16.8 25.2#





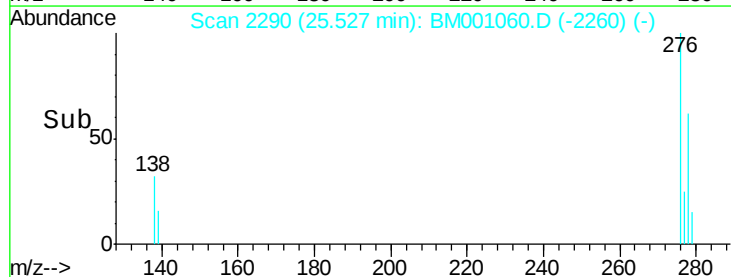
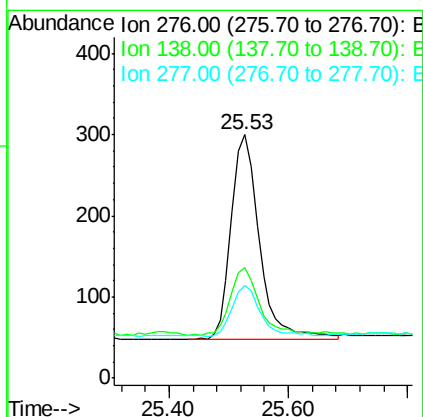
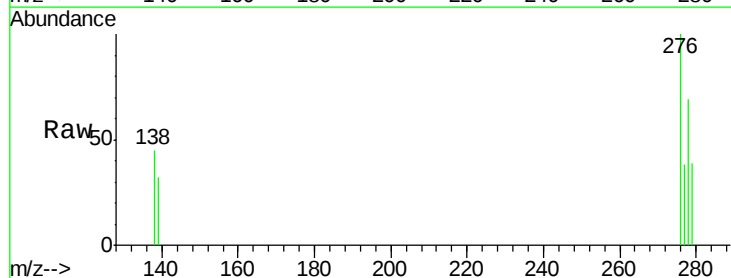
#23
Chrysene
Concen: 0.03 ng
RT: 21.22 min Scan# 1877
Delta R.T. 0.00 min
Lab File: BM001060.D
Acq: 18 Apr 2015 15:11

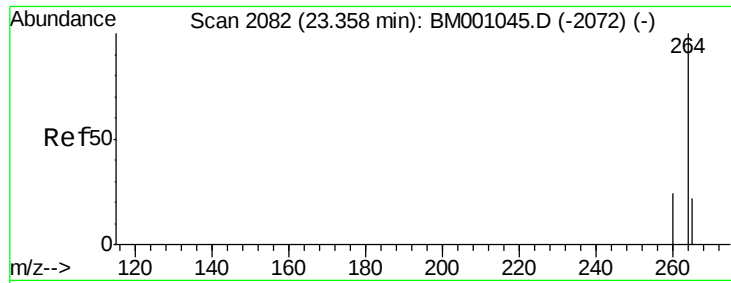
Tot Ion:228 Resp: 750
Ion Ratio Lower Upper
228 100
226 32.2 20.6 31.0#
229 27.3 17.2 25.8#



#24
Indeno(1,2,3-cd)pyrene
Concen: 0.03 ng
RT: 25.53 min Scan# 2290
Delta R.T. 0.01 min
Lab File: BM001060.D
Acq: 18 Apr 2015 15:11

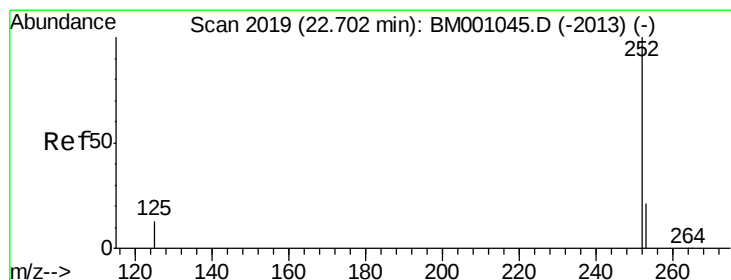
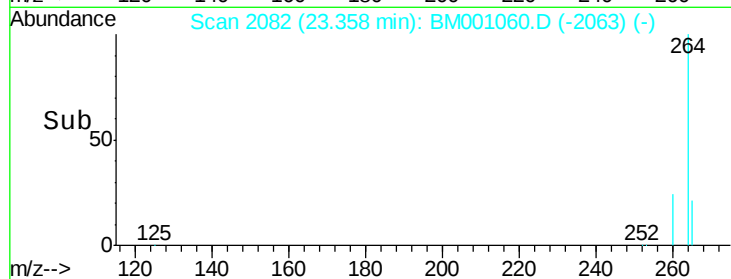
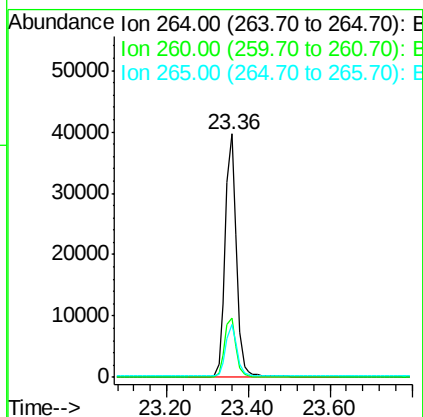
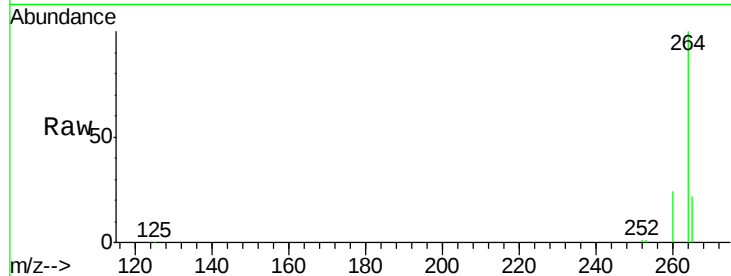
Tgt Ion:276 Resp: 831
Ion Ratio Lower Upper
276 100
138 34.1 26.3 39.5
277 25.4 19.5 29.3





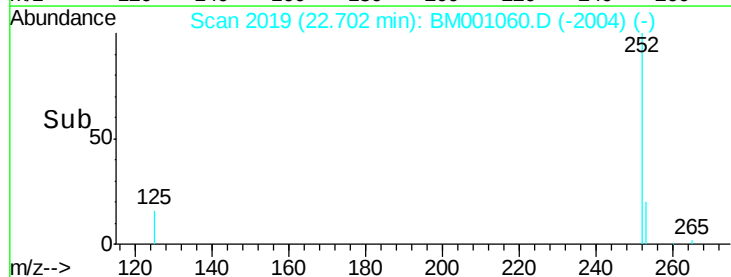
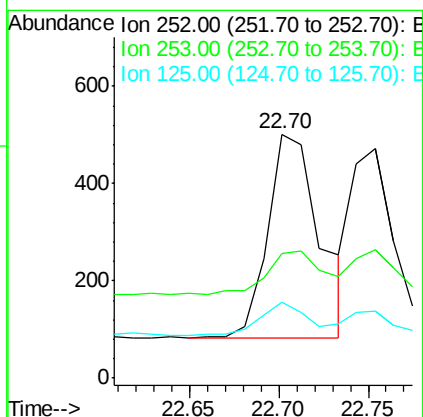
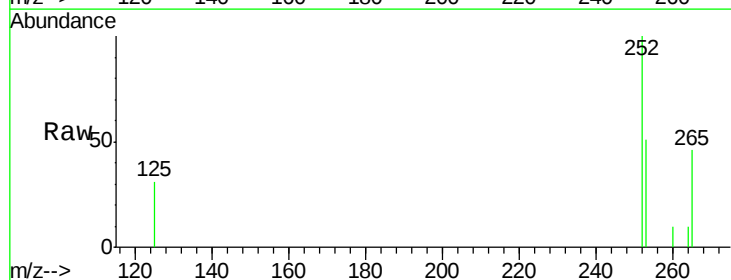
#25
Pervlene-d12
Concen: 5.00 ng
RT: 23.36 min Scan# 2082
Delta R.T. 0.00 min
Lab File: BM001060.D
Acq: 18 Apr 2015 15:11

Tot Ion:264 Resp: 76057
Ion Ratio Lower Upper
264 100
260 24.2 19.0 28.6
265 21.6 17.9 26.9



#26
Benzo(b)fluoranthene
Concen: 0.03 ng
RT: 22.70 min Scan# 2019
Delta R.T. 0.00 min
Lab File: BM001060.D
Acq: 18 Apr 2015 15:11

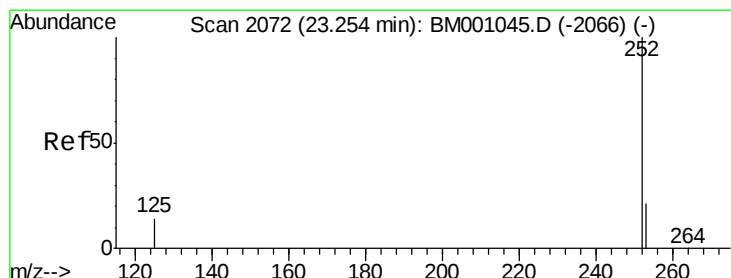
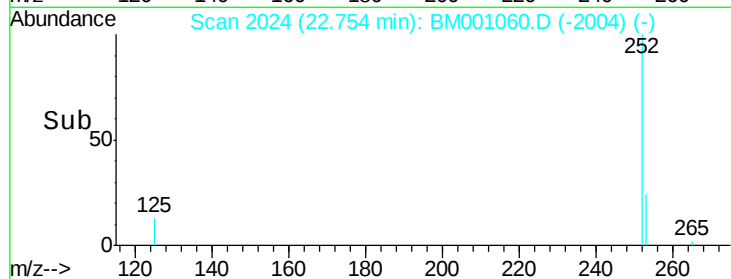
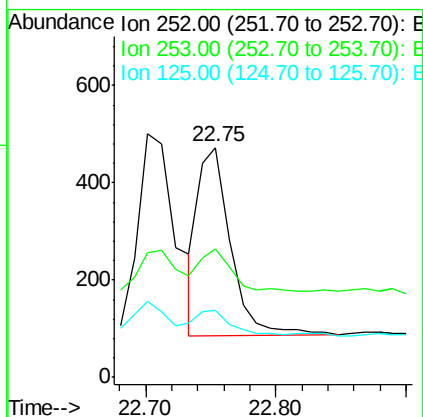
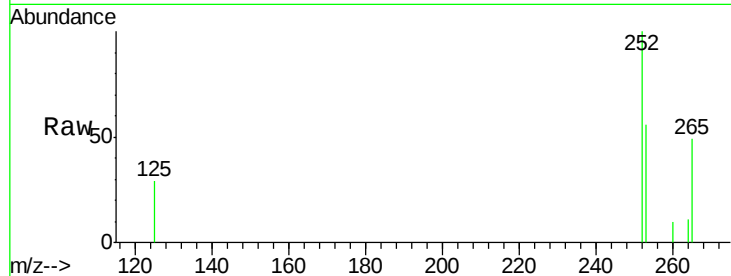
Tgt Ion:252 Resp: 855
Ion Ratio Lower Upper
252 100
253 50.9 18.2 27.2#
125 31.1 10.9 16.3#





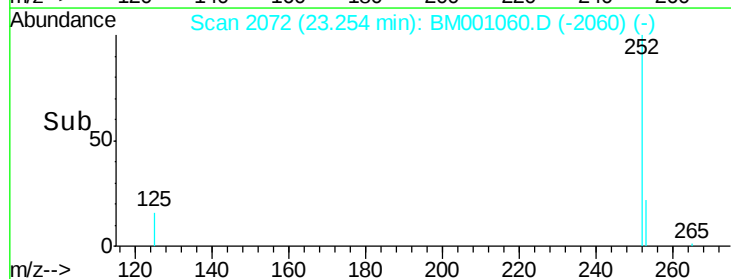
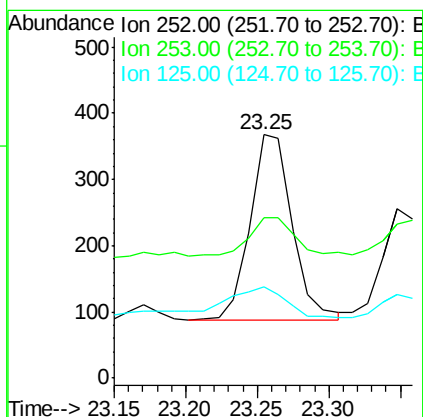
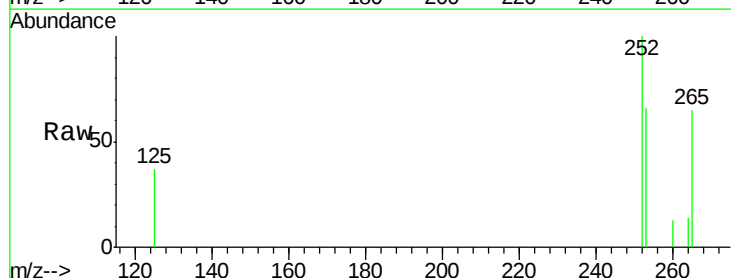
#27
Benzo(k)fluoranthene
Concen: 0.03 ng
RT: 22.75 min Scan# 2024
Delta R.T. 0.01 min
Lab File: BM001060.D
Acq: 18 Apr 2015 15:11

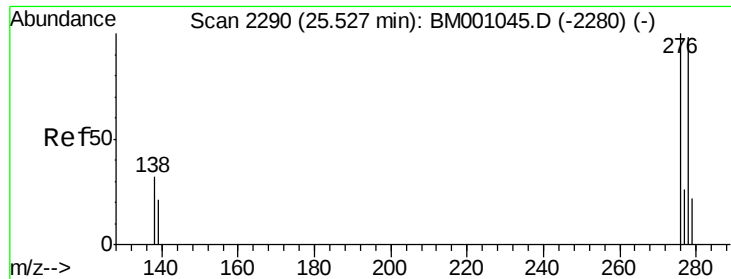
Tot Ion:252 Resp: 667
Ion Ratio Lower Upper
252 100
253 55.7 18.3 27.5#
125 29.2 10.6 15.8#



#28
Benzo(a)pyrene
Concen: 0.03 ng
RT: 23.25 min Scan# 2072
Delta R.T. 0.00 min
Lab File: BM001060.D
Acq: 18 Apr 2015 15:11

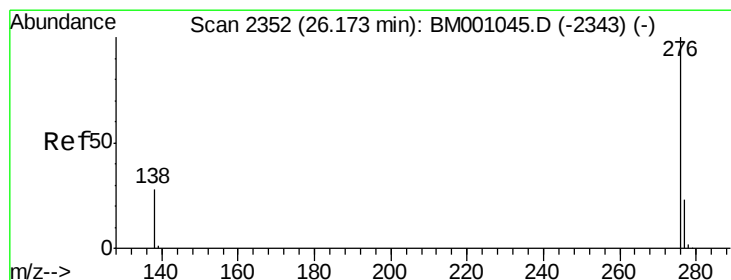
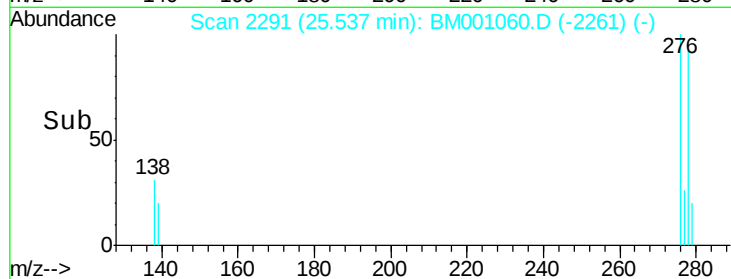
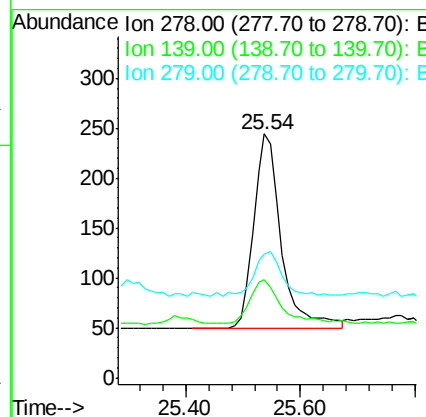
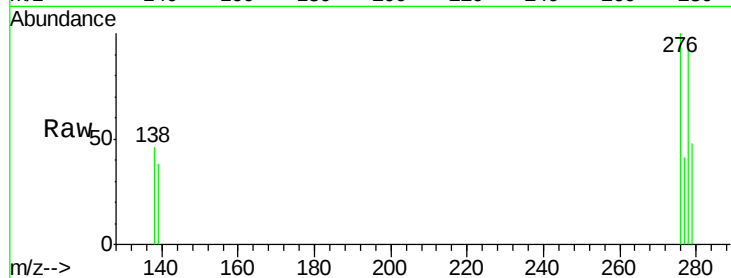
Tgt Ion:252 Resp: 575
Ion Ratio Lower Upper
252 100
253 65.8 18.6 27.8#
125 37.2 11.9 17.9#





#29
Dibenzo(a,h)anthracene
Concen: 0.03 ng
RT: 25.54 min Scan# 2291
Delta R.T. 0.01 min
Lab File: BM001060.D
Acq: 18 Apr 2015 15:11

Tot Ion: 278 Resp: 656
Ion Ratio Lower Upper
278 100
139 40.2 18.2 27.2#
279 50.8 19.1 28.7#



#30
Benzo(g,h,i)perylene
Concen: 0.03 ng
RT: 26.18 min Scan# 2353
Delta R.T. 0.01 min
Lab File: BM001060.D
Acq: 18 Apr 2015 15:11

Tgt Ion: 276 Resp: 755
Ion Ratio Lower Upper
276 100
277 37.5 19.0 28.4#
138 42.5 23.4 35.2#

