

Data Path : Z:\HPCHEM1\BNA M\DATA\BM041815\
 Data File : BM001050.D
 Acq On : 18 Apr 2015 08:02
 Operator : TP/IZ
 Sample : PB82779BS
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Quant Time: Apr 20 08:15:47 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

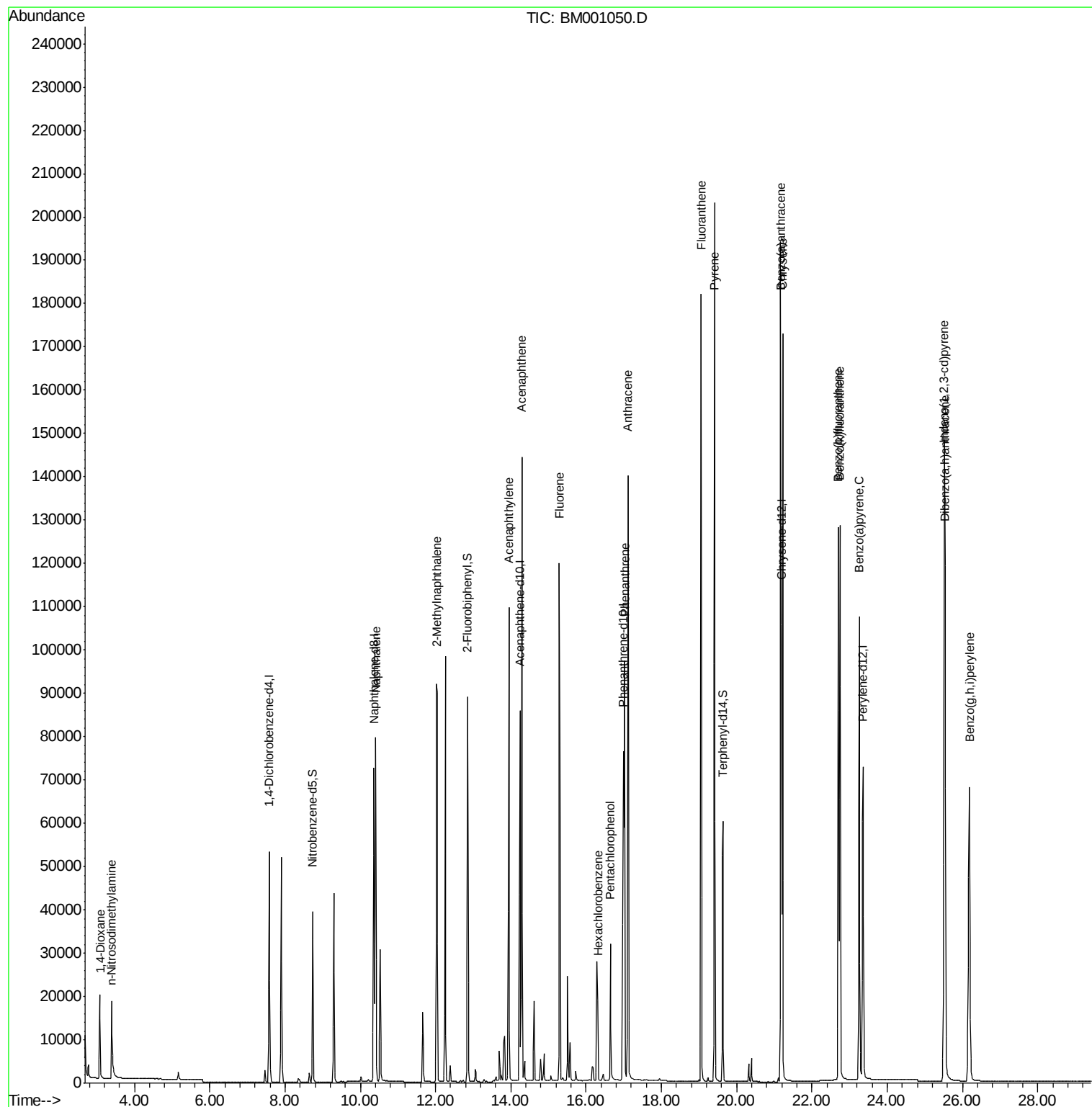
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.58	152	26664	5.00	ng	0.00
4) Naphthalene-d8	10.36	136	97624	5.00	ng	0.00
8) Acenaphthene-d10	14.24	164	53014	5.00	ng	0.00
13) Phenanthrene-d10	16.99	188	112354	5.00	ng	0.00
19) Chrysene-d12	21.19	240	100307	5.00	ng	0.00
25) Perylene-d12	23.36	264	90257	5.00	ng	0.00
System Monitoring Compounds						
5) Nitrobenzene-d5	8.74	82	31308	6.14	ng	0.00
9) 2-Fluorobiphenyl	12.85	172	89408	5.11	ng	-0.01
21) Terphenyl-d14	19.63	244	71395	5.37	ng	0.00
Target Compounds						Ovalue
2) 1,4-Dioxane	3.08	88	12532	4.17	ng	# 100
3) n-Nitrosodimethylamine	3.38	42	14841	5.27	ng	96
6) Naphthalene	10.41	128	110691	4.75	ng	99
7) 2-Methylnaphthalene	12.04	142	73212	4.87	ng	97
10) Acenaphthylene	13.95	152	126914	5.42	ng	99
11) Acenaphthene	14.29	154	75305	4.59	ng	99
12) Fluorene	15.29	166	93174	4.93	ng	100
14) Hexachlorobenzene	16.31	284	30623	4.93	ng	# 100
15) Pentachlorophenol	16.64	266	25731	11.52	ng	96
16) Phenanthrene	17.03	178	142852	4.79	ng	99
17) Anthracene	17.11	178	154136	5.62	ng	99
18) Fluoranthene	19.05	202	164074	5.27	ng	100
20) Pyrene	19.42	202	176763	5.32	ng	99
22) Benzo(a)anthracene	21.17	228	157123	5.41	ng	99
23) Chrysene	21.22	228	154765	5.06	ng	98
24) Indeno(1,2,3-cd)pyrene	25.52	276	159144	5.09	ng	99
26) Benzo(b)fluoranthene	22.70	252	151099	5.21	ng	97
27) Benzo(k)fluoranthene	22.74	252	148631	5.34	ng	97
28) Benzo(a)pyrene	23.25	252	139059	5.61	ng	97
29) Dibenzo(a,h)anthracene	25.54	278	129678	5.29	ng	96
30) Benzo(g,h,i)perylene	26.18	276	135323	5.09	ng	98

(#) = 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: BM001050.D

Acq: 18 Apr 2015 08:02

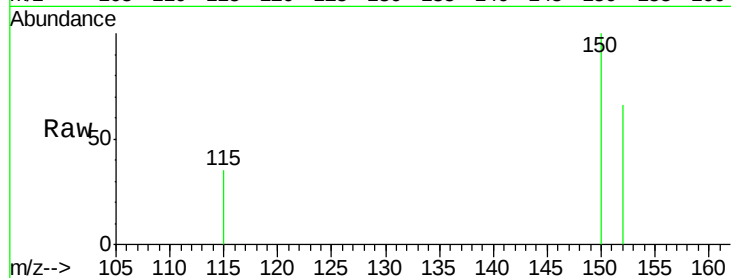
Tot Ion:152 Resp: 26664

Ion Ratio Lower Upper

152 100

150 150.8 123.3 184.9

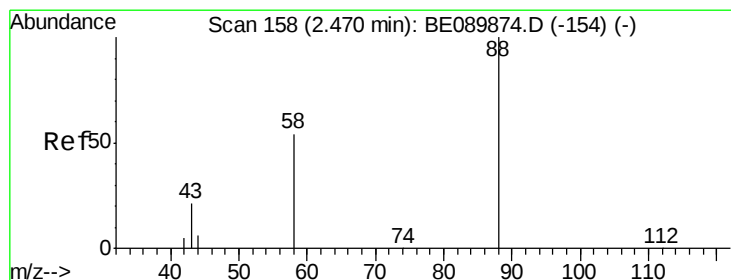
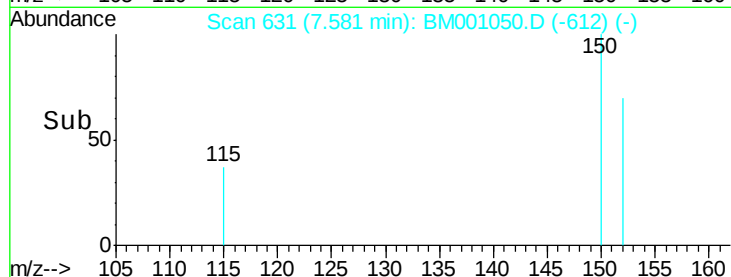
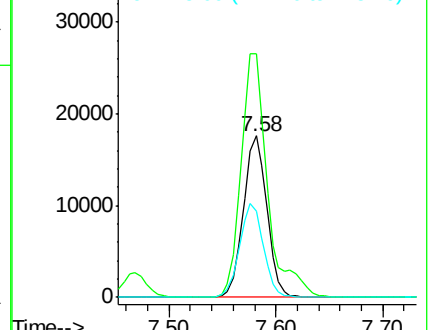
115 53.3 45.0 67.6



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: 4.17 ng

RT: 3.08 min Scan# 39

Delta R.T. 0.00 min

Lab File: BM001050.D

Acq: 18 Apr 2015 08:02

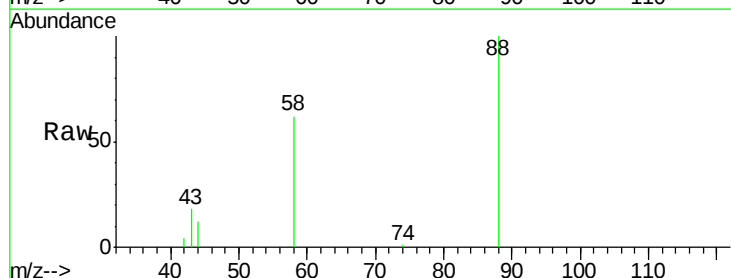
Tgt Ion: 88 Resp: 12532

Ion Ratio Lower Upper

88 100

58 81.3 0.0 0.0#

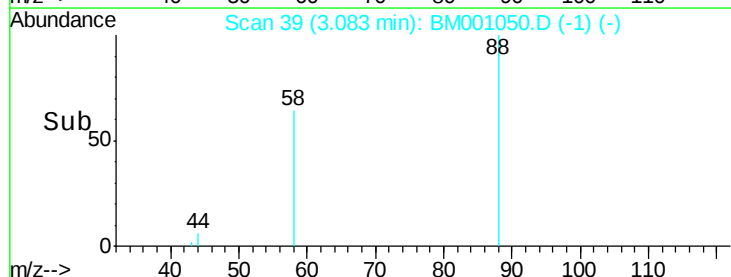
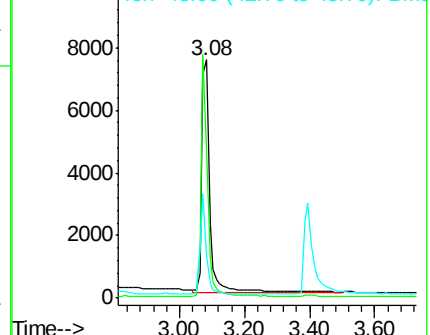
43 34.2 0.0 0.0#

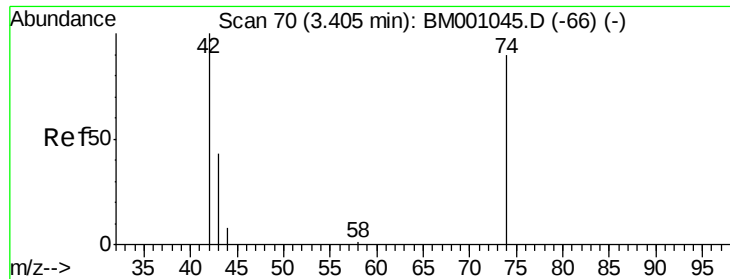


Abundance Ion 88.00 (87.70 to 88.70): BM0

Ion 58.00 (57.70 to 58.70): BM0

Ion 43.00 (42.70 to 43.70): BM0

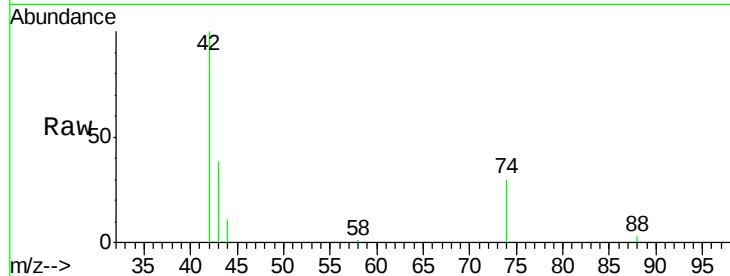




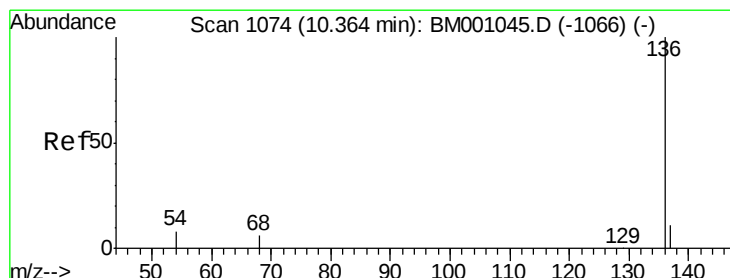
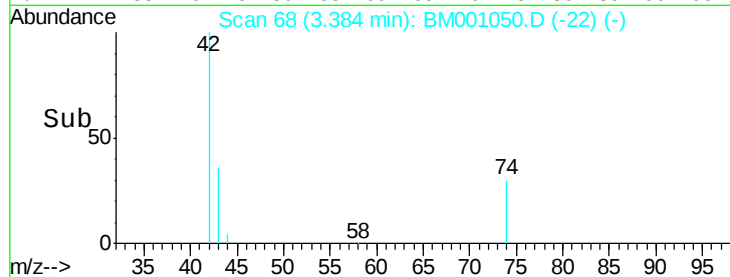
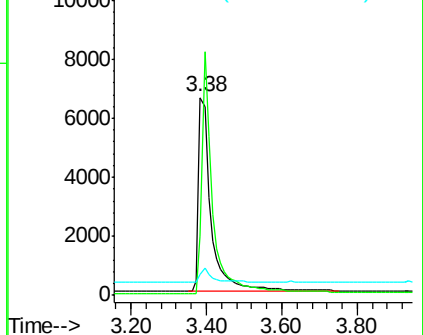
#3

n-Nitrosodimethylamine
 Concen: 5.27 ng
 RT: 3.38 min Scan# 68
 Delta R.T. -0.02 min
 Lab File: BM001050.D
 Acq: 18 Apr 2015 08:02

Tot Ion: 42 Resp: 14841
 Ion Ratio Lower Upper
 42 100
 74 110.7 92.1 138.1
 44 5.9 5.8 8.6



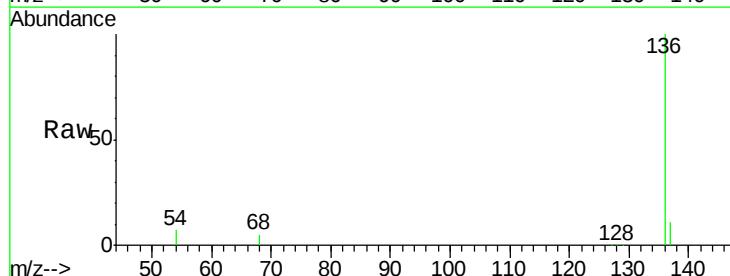
Abundance Ion 42.00 (41.70 to 42.70): BM0
 Ion 74.00 (73.70 to 74.70): BM0
 Ion 44.00 (43.70 to 44.70): BM0



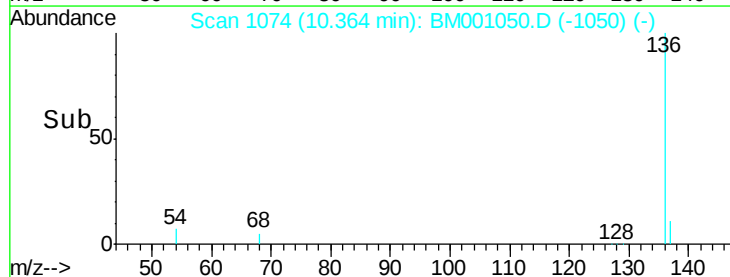
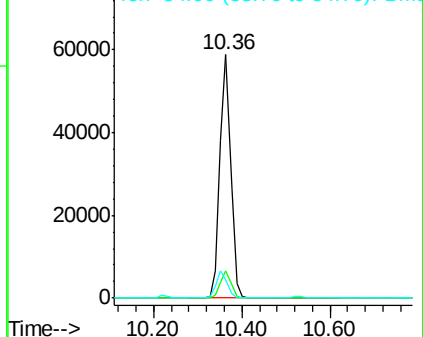
#4

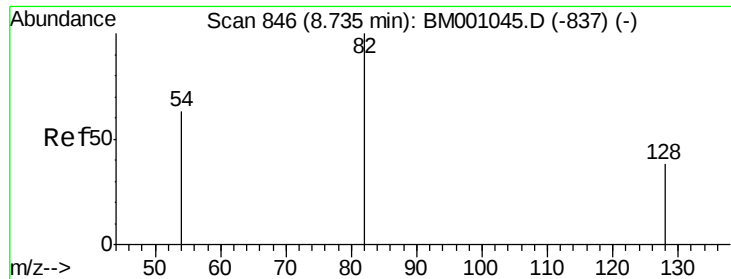
Naphthalene-d8
 Concen: 5.00 ng
 RT: 10.36 min Scan# 1074
 Delta R.T. 0.00 min
 Lab File: BM001050.D
 Acq: 18 Apr 2015 08:02

Tgt Ion: 136 Resp: 97624
 Ion Ratio Lower Upper
 136 100
 137 11.1 8.6 13.0
 54 7.3 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): BM0





#5

Nitrobenzene-d5

Concen: 6.14 ng

RT: 8.74 min Scan# 846

Delta R.T. 0.00 min

Lab File: BM001050.D

Acq: 18 Apr 2015 08:02

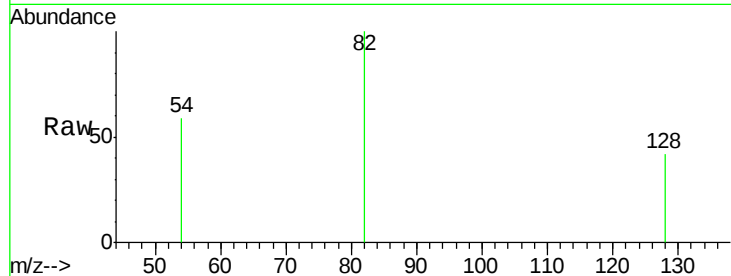
Tot Ion: 82 Resp: 31308

Ion Ratio Lower Upper

82 100

128 41.6 31.9 47.9

54 59.4 51.3 76.9

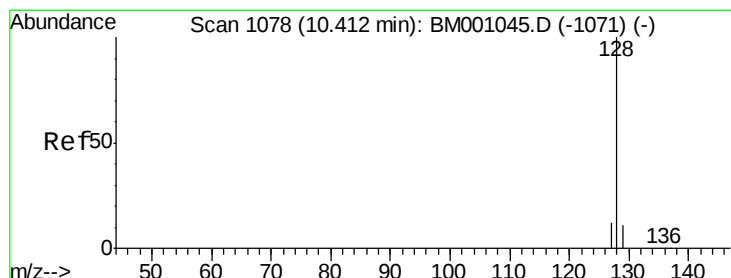
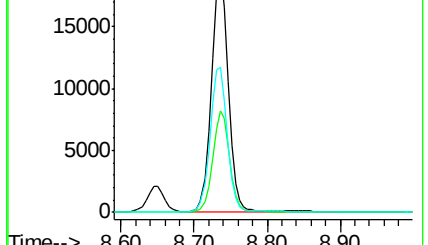
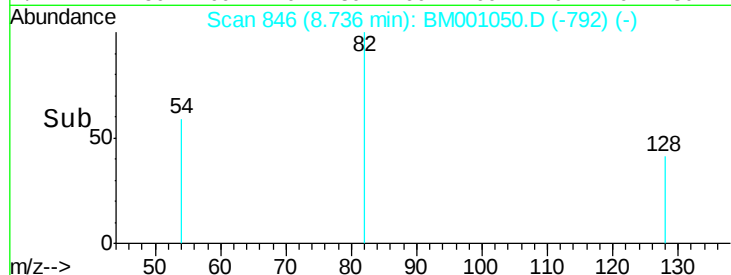


Abundance Ion 82.00 (81.70 to 82.70): BM001045.D (-837) (-)

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

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

Time-->



#6

Naphthalene

Concen: 4.75 ng

RT: 10.41 min Scan# 1078

Delta R.T. 0.00 min

Lab File: BM001050.D

Acq: 18 Apr 2015 08:02

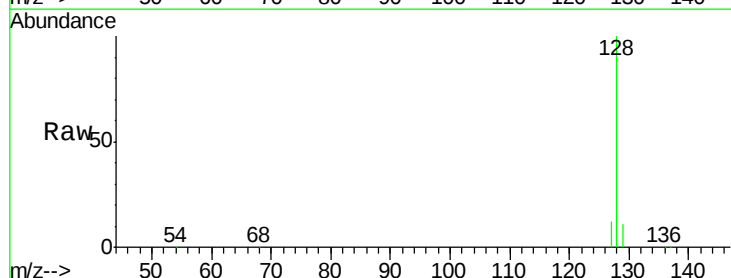
Tgt Ion: 128 Resp: 110691

Ion Ratio Lower Upper

128 100

129 11.3 9.3 13.9

127 11.7 10.0 15.0

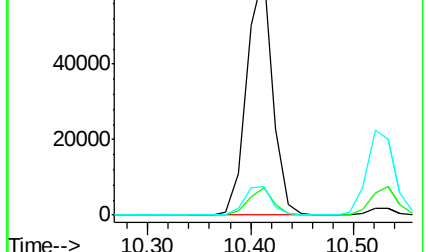
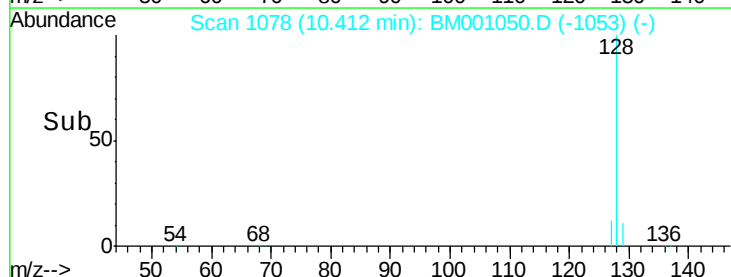


Abundance Ion 128.00 (127.70 to 128.70): BM001045.D (-1071) (-)

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

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

Time-->





#7

2-Methylnaphthalene

Concen: 4.87 ng

RT: 12.04 min Scan# 1224

Delta R.T. 0.00 min

Lab File: BM001050.D

Acq: 18 Apr 2015 08:02

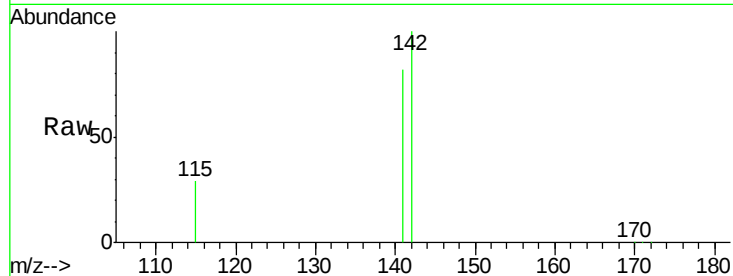
Tot Ion:142 Resp: 73212

Ion Ratio Lower Upper

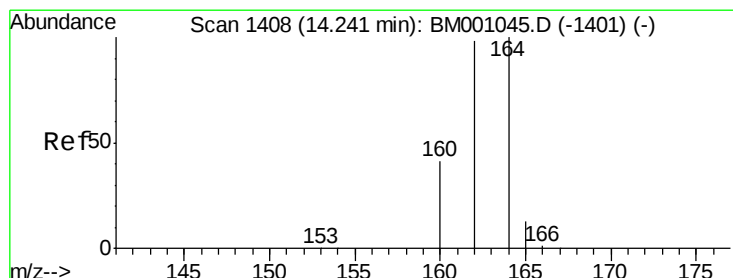
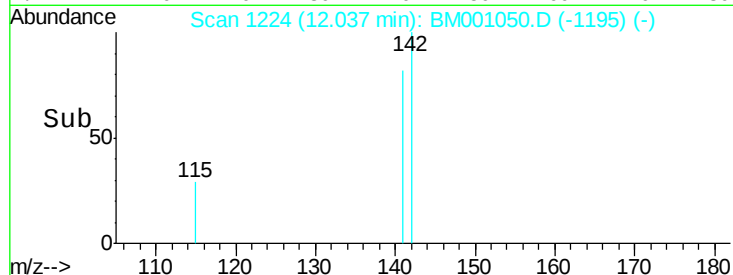
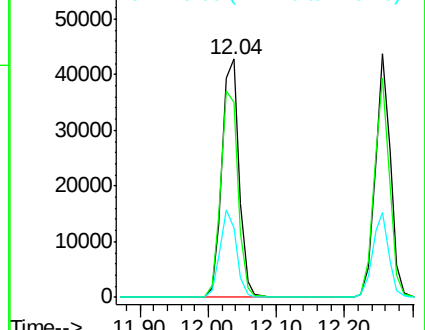
142 100

141 81.7 66.7 100.1

115 29.4 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: BM001050.D

Acq: 18 Apr 2015 08:02

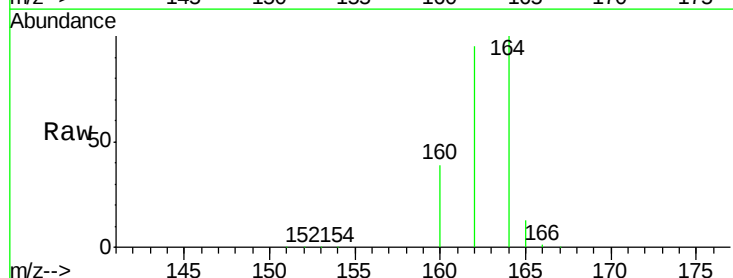
Tgt Ion:164 Resp: 53014

Ion Ratio Lower Upper

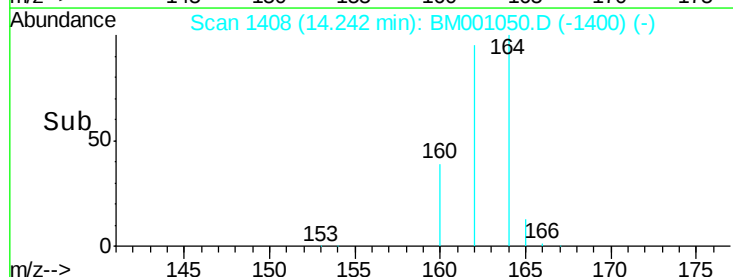
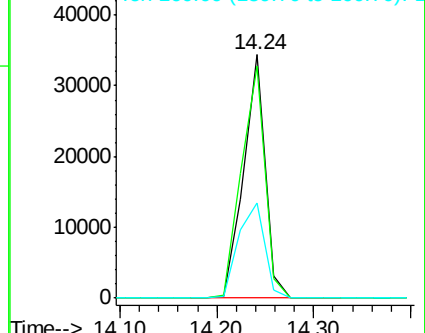
164 100

162 95.3 78.5 117.7

160 39.1 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: 5.11 ng

RT: 12.85 min Scan# 1302

Delta R.T. -0.01 min

Lab File: BM001050.D

Acq: 18 Apr 2015 08:02

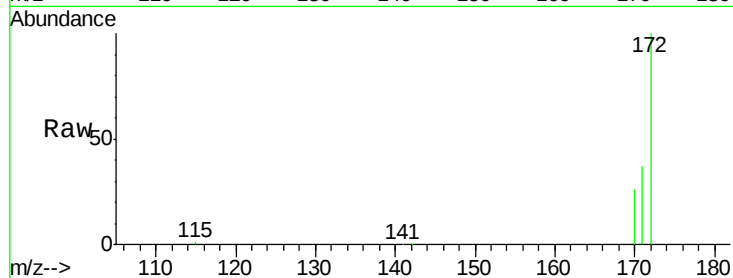
Tot Ion:172 Resp: 89408

Ion Ratio Lower Upper

172 100

171 36.8 25.6 38.4

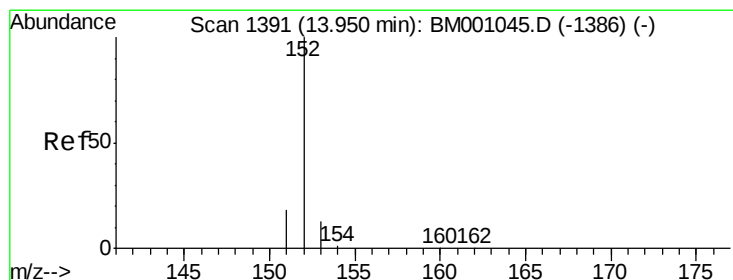
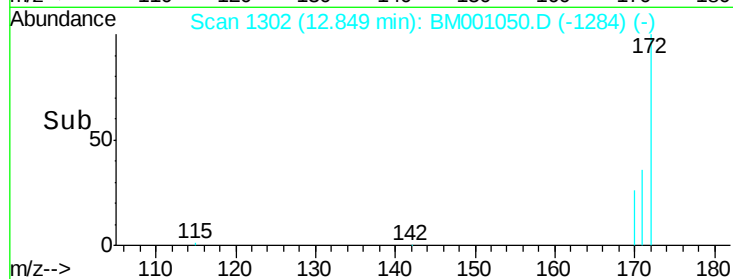
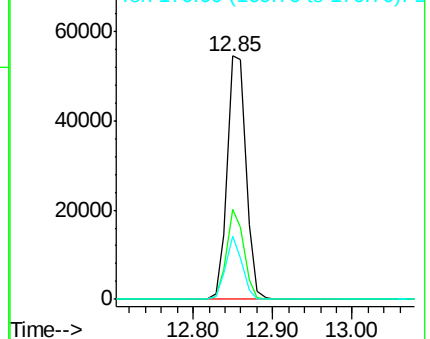
170 25.8 15.8 23.6#



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: 5.42 ng

RT: 13.95 min Scan# 1391

Delta R.T. 0.00 min

Lab File: BM001050.D

Acq: 18 Apr 2015 08:02

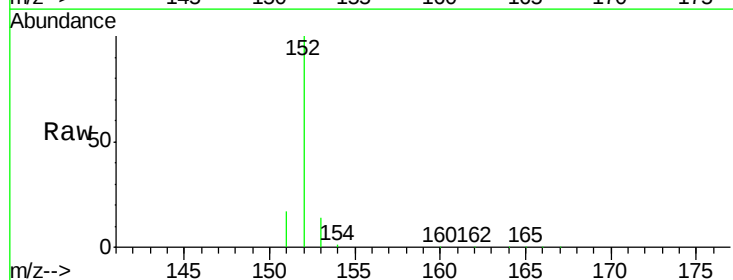
Tgt Ion:152 Resp: 126914

Ion Ratio Lower Upper

152 100

151 18.7 14.7 22.1

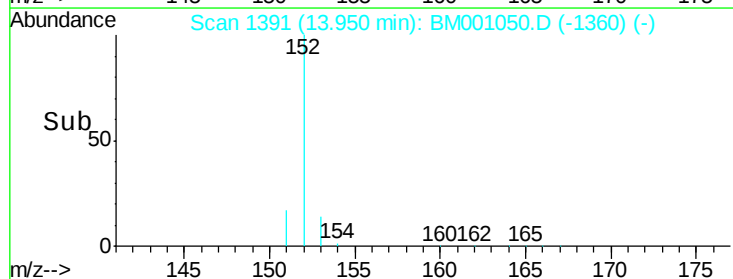
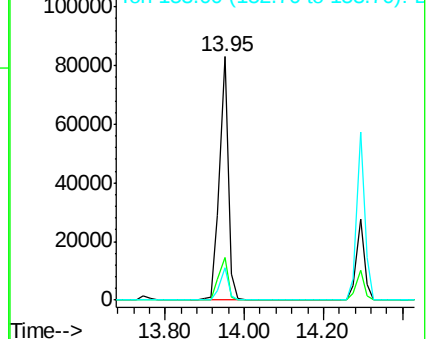
153 13.0 10.2 15.2

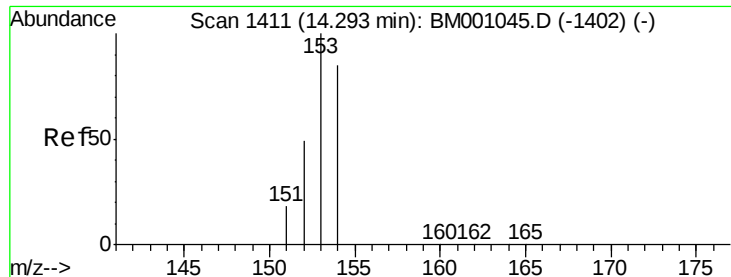


Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

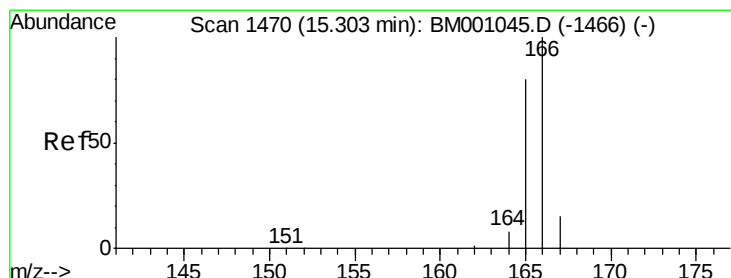
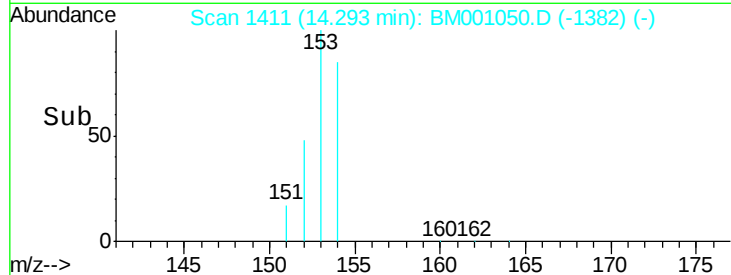
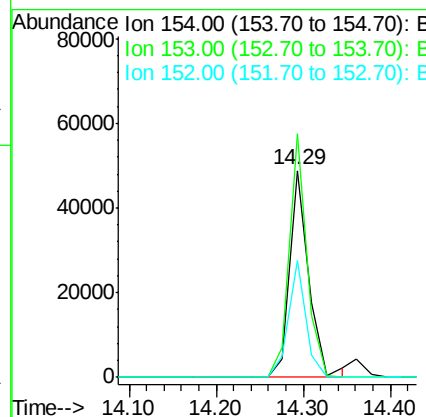
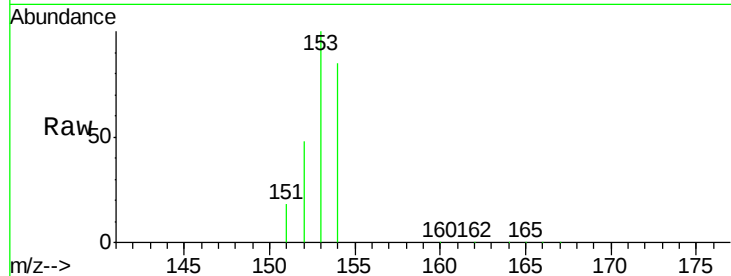
Ion 153.00 (152.70 to 153.70): E





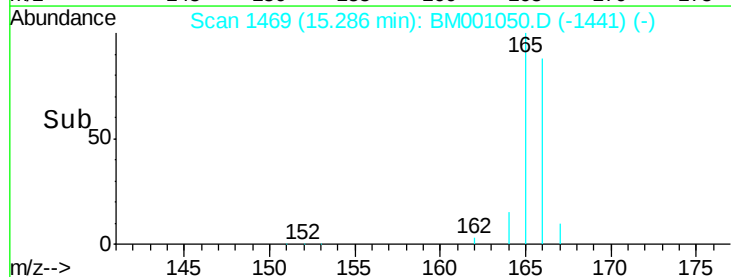
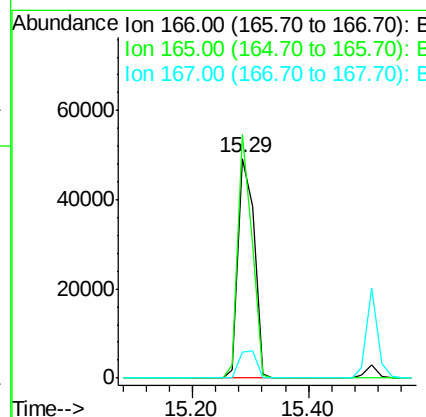
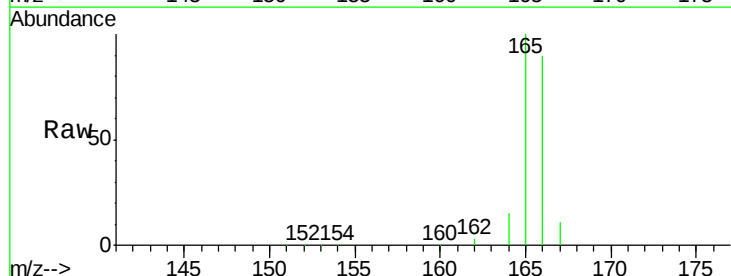
#11
Acenaphthene
Concen: 4.59 ng
RT: 14.29 min Scan# 1411
Delta R.T. 0.00 min
Lab File: BM001050.D
Acq: 18 Apr 2015 08:02

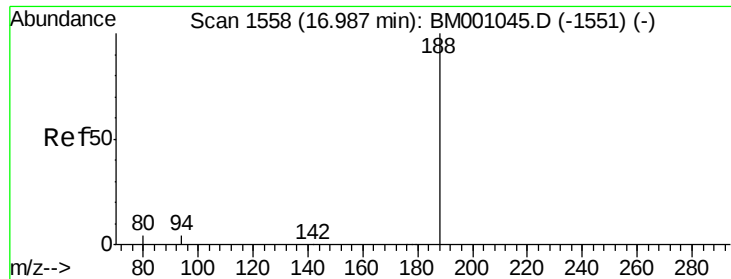
Tot Ion:154 Resp: 75305
Ion Ratio Lower Upper
154 100
153 108.7 88.1 132.1
152 52.1 42.3 63.5



#12
Fluorene
Concen: 4.93 ng
RT: 15.29 min Scan# 1469
Delta R.T. -0.02 min
Lab File: BM001050.D
Acq: 18 Apr 2015 08:02

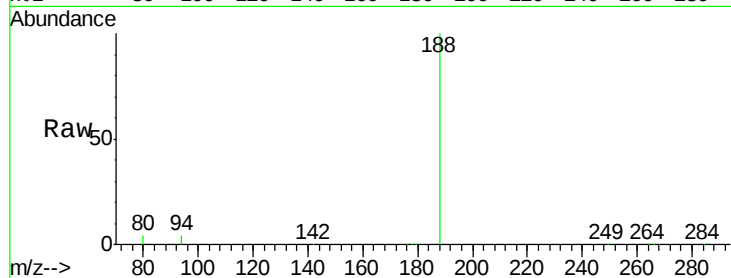
Tgt Ion:166 Resp: 93174
Ion Ratio Lower Upper
166 100
165 97.0 77.6 116.4
167 13.4 10.6 16.0





#13
Phenanthrene-d10
Concen: 5.00 ng
RT: 16.99 min Scan# 1558
Delta R.T. 0.00 min
Lab File: BM001050.D
Acq: 18 Apr 2015 08:02

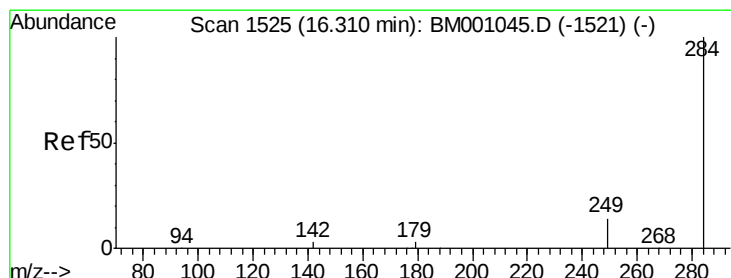
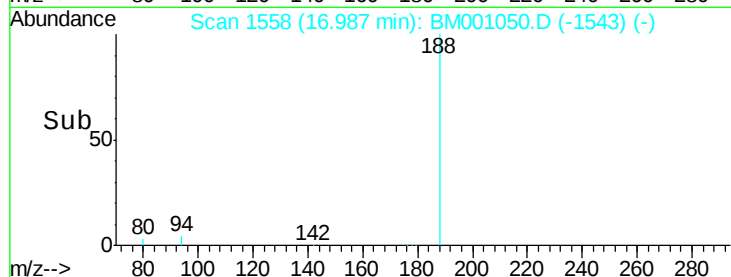
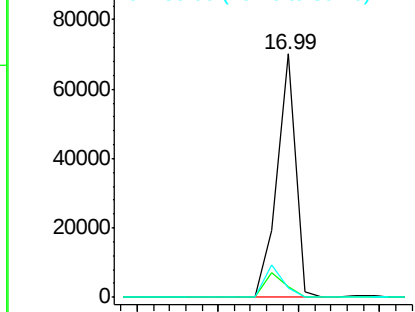
Tot Ion	Ratio	Lower	Upper
188	100		
94	4.2	3.6	5.4
80	3.6	3.0	4.6



Abundance Ion 188.00 (187.70 to 188.70): E

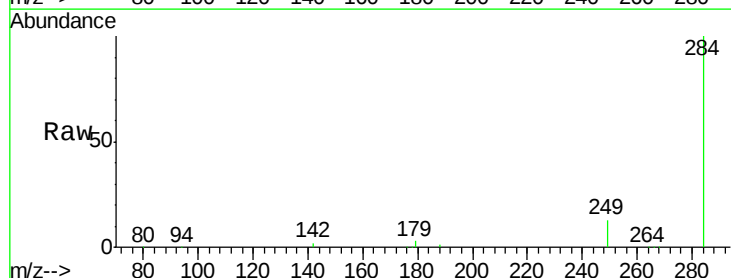
Ion 94.00 (93.70 to 94.70): BM

Ion 80.00 (79.70 to 80.70): BM



#14
Hexachlorobenzene
Concen: 4.93 ng
RT: 16.31 min Scan# 1525
Delta R.T. 0.00 min
Lab File: BM001050.D
Acq: 18 Apr 2015 08:02

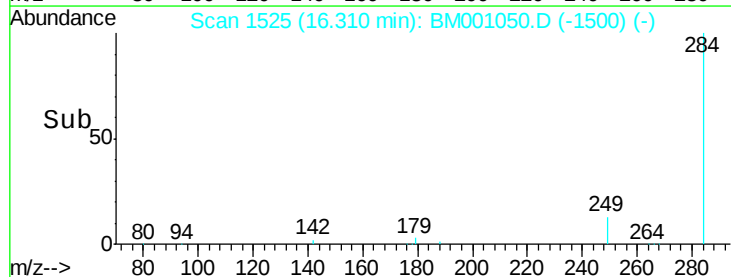
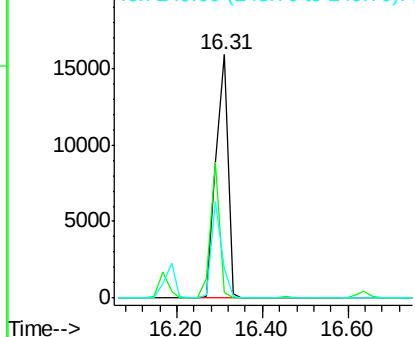
Tgt Ion	Ratio	Lower	Upper
284	100		
142	0.0	0.0	0.0
249	0.0	0.0	0.0



Abundance Ion 283.80 (283.50 to 284.50): E

Ion 142.00 (141.70 to 142.70): E

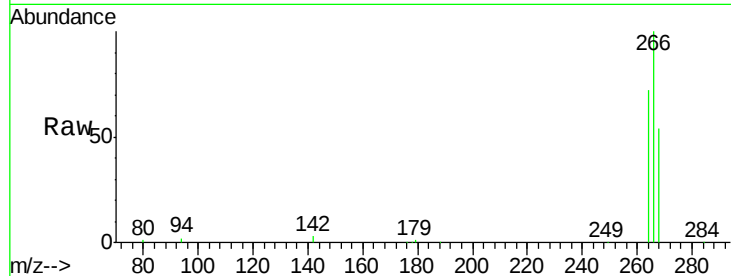
Ion 249.00 (248.70 to 249.70): E



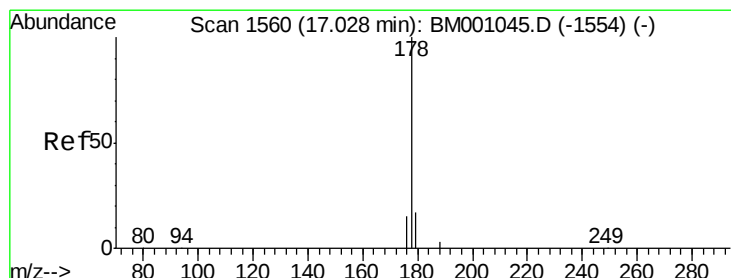
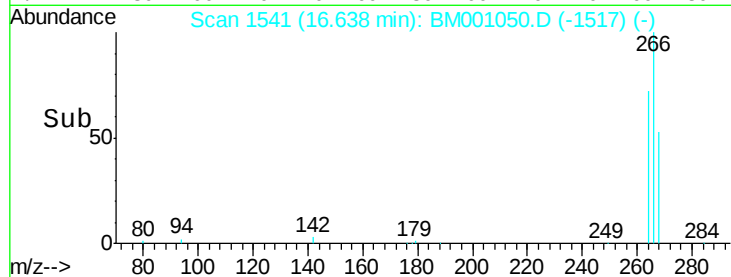
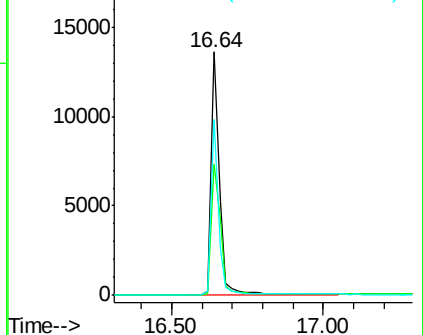


#15
 Pentachlorophenol
 Concen: 11.52 ng
 RT: 16.64 min Scan# 1541
 Delta R.T. 0.00 min
 Lab File: BM001050.D
 Acq: 18 Apr 2015 08:02

Tot Ion:266 Resp: 25731
 Ion Ratio Lower Upper
 266 100
 268 53.6 46.3 69.5
 264 72.4 59.8 89.6

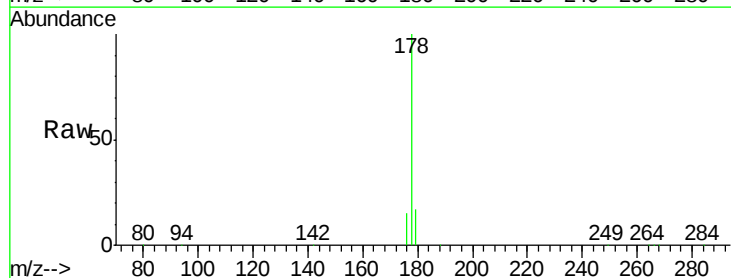


Abundance Ion 265.70 (265.40 to 266.40): E
 Ion 268.00 (267.70 to 268.70): E
 Ion 264.00 (263.70 to 264.70): E

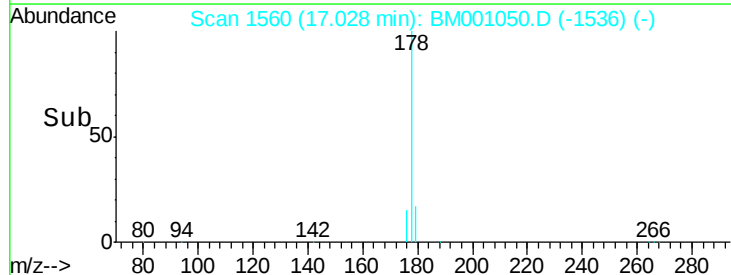
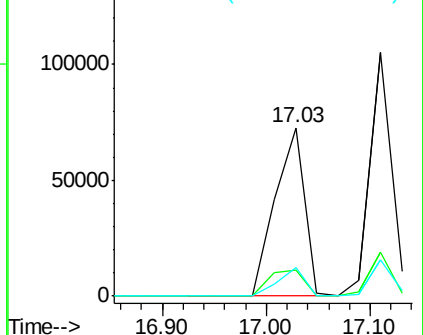


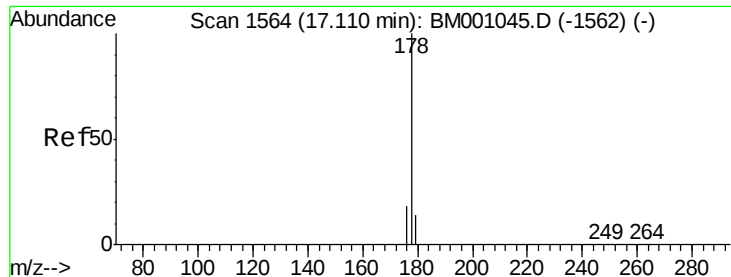
#16
 Phenanthrene
 Concen: 4.79 ng
 RT: 17.03 min Scan# 1560
 Delta R.T. 0.00 min
 Lab File: BM001050.D
 Acq: 18 Apr 2015 08:02

Tgt Ion:178 Resp: 142852
 Ion Ratio Lower Upper
 178 100
 176 18.4 14.6 22.0
 179 15.4 12.6 19.0



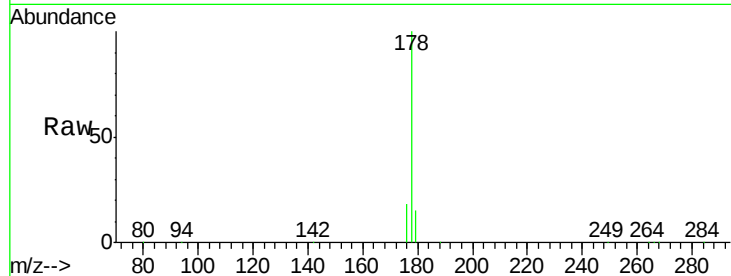
Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E



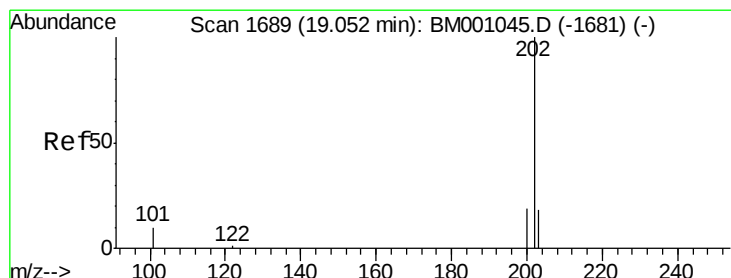
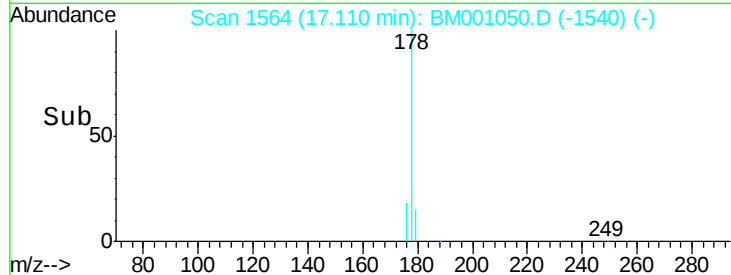
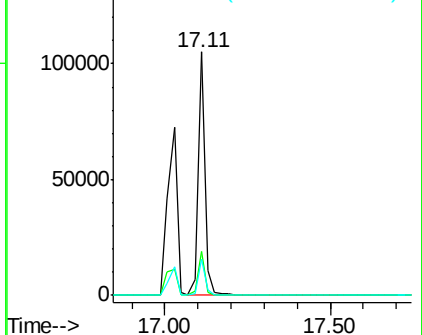


#17
 Anthracene
 Concen: 5.62 ng
 RT: 17.11 min Scan# 1564
 Delta R.T. 0.00 min
 Lab File: BM001050.D
 Acq: 18 Apr 2015 08:02

Tot Ion	Ratio	Lower	Upper
178	100		
176	17.9	14.3	21.5
179	15.3	11.8	17.8

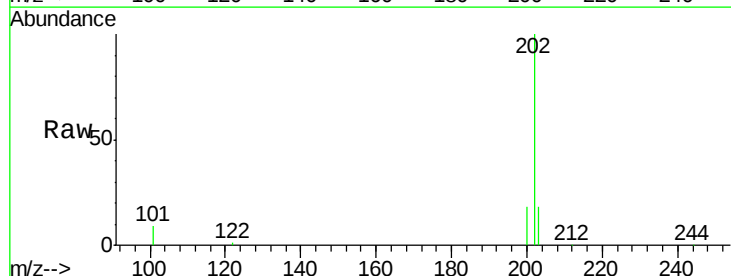


Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E

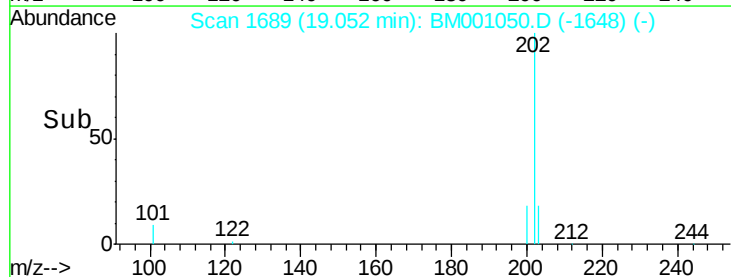
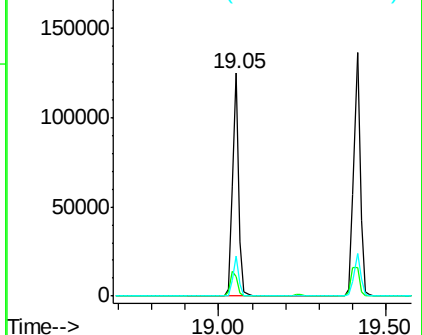


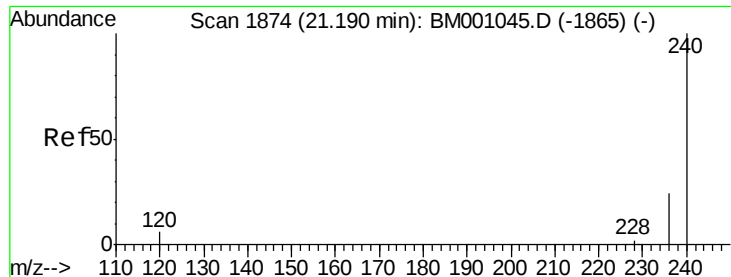
#18
 Fluoranthene
 Concen: 5.27 ng
 RT: 19.05 min Scan# 1689
 Delta R.T. 0.00 min
 Lab File: BM001050.D
 Acq: 18 Apr 2015 08:02

Tgt Ion	Ratio	Lower	Upper
202	100		
101	12.9	10.1	15.1
203	17.4	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

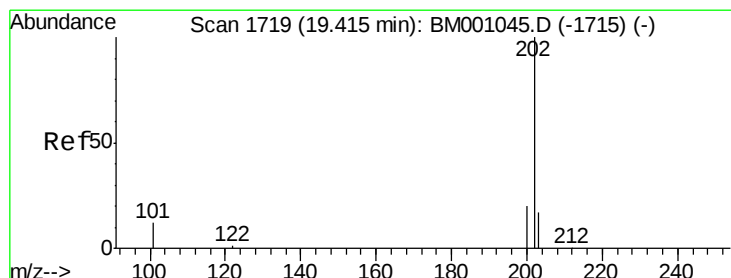
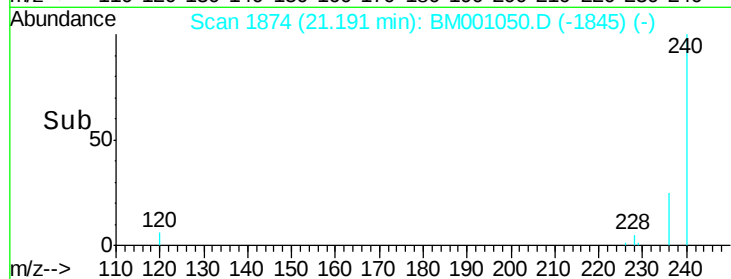
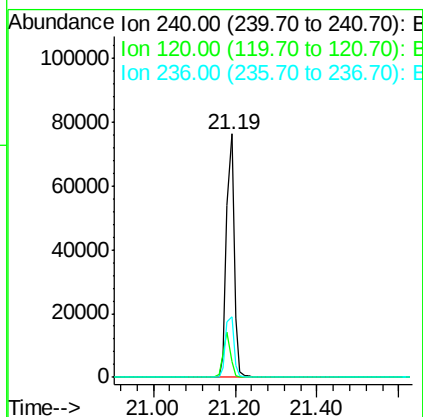
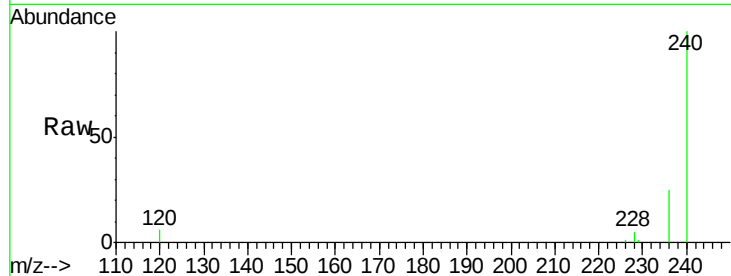




#19
Chrysene-d12
Concen: 5.00 ng
RT: 21.19 min Scan# 1874
Delta R.T. 0.00 min
Lab File: BM001050.D
Acq: 18 Apr 2015 08:02

Tot Ion:240 Resp: 100307

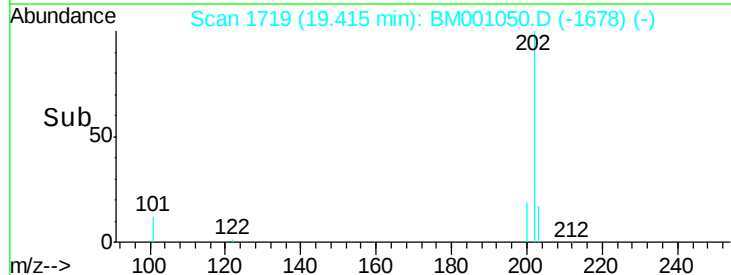
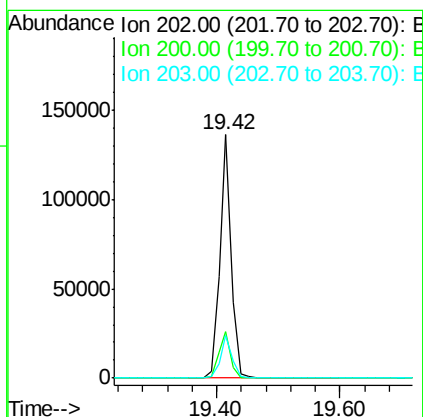
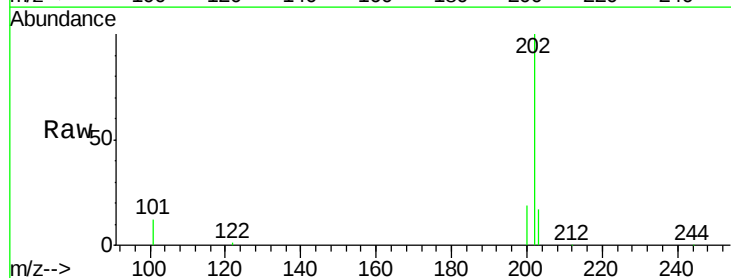
Ion	Ratio	Lower	Upper
240	100		
120	6.5	4.6	6.8
236	24.7	19.1	28.7

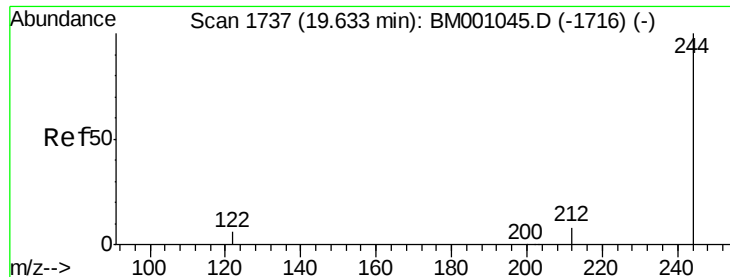


#20
Pyrene
Concen: 5.32 ng
RT: 19.42 min Scan# 1719
Delta R.T. 0.00 min
Lab File: BM001050.D
Acq: 18 Apr 2015 08:02

Tgt Ion:202 Resp: 176763

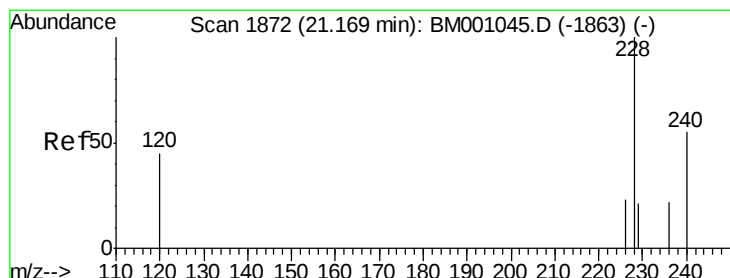
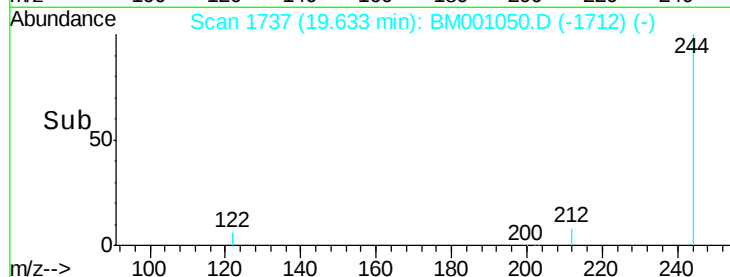
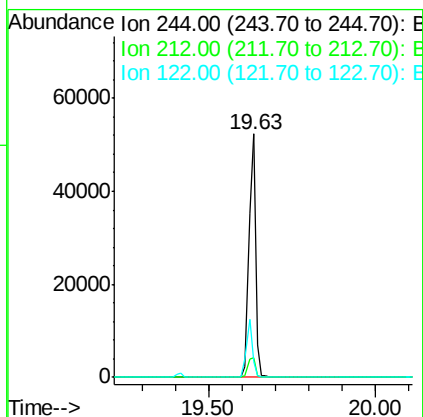
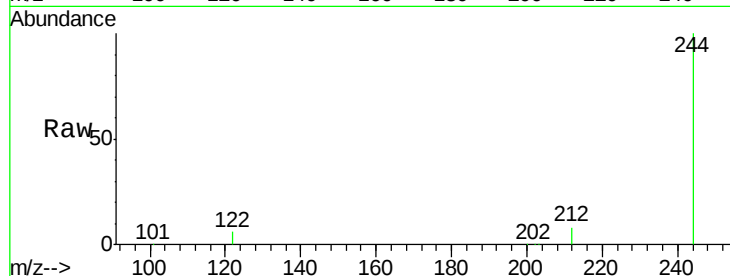
Ion	Ratio	Lower	Upper
202	100		
200	20.1	16.3	24.5
203	17.8	13.8	20.6





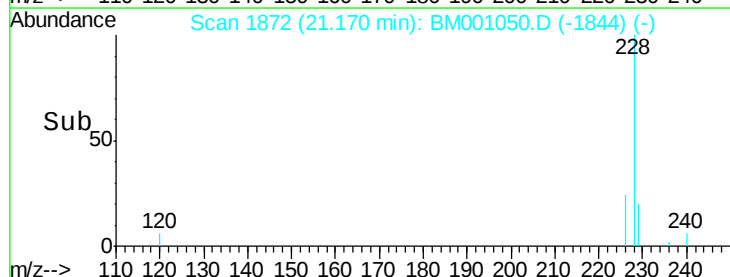
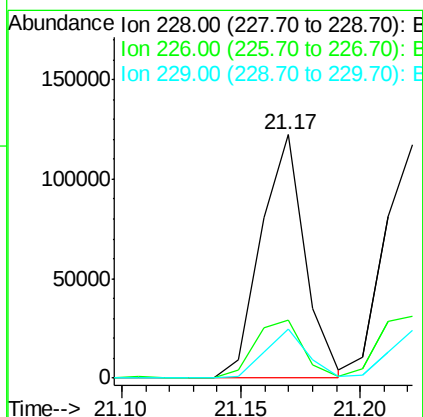
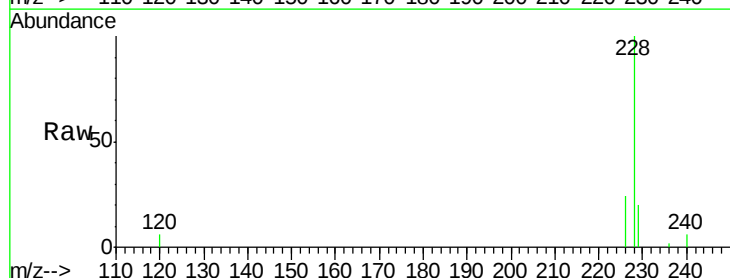
#21
 Terphenyl-d14
 Concen: 5.37 ng
 RT: 19.63 min Scan# 1737
 Delta R.T. 0.00 min
 Lab File: BM001050.D
 Acq: 18 Apr 2015 08:02

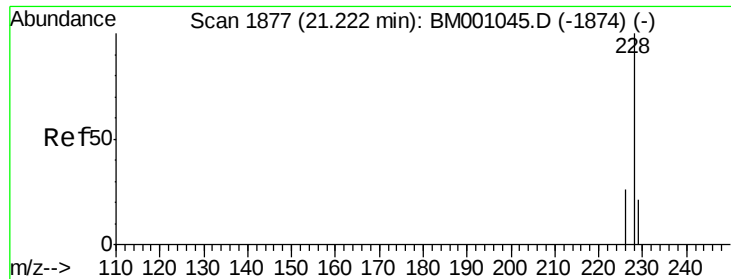
Tot Ion:244 Resp: 71395
 Ion Ratio Lower Upper
 244 100
 212 8.1 7.1 10.7
 122 6.4 5.9 8.9



#22
 Benzo(a)anthracene
 Concen: 5.41 ng
 RT: 21.17 min Scan# 1872
 Delta R.T. 0.00 min
 Lab File: BM001050.D
 Acq: 18 Apr 2015 08:02

Tgt Ion:228 Resp: 157123
 Ion Ratio Lower Upper
 228 100
 226 24.0 19.0 28.6
 229 20.2 16.8 25.2

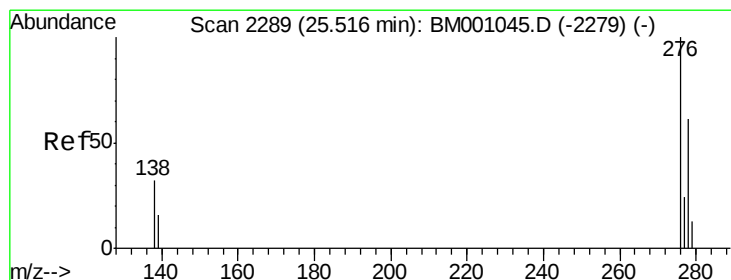
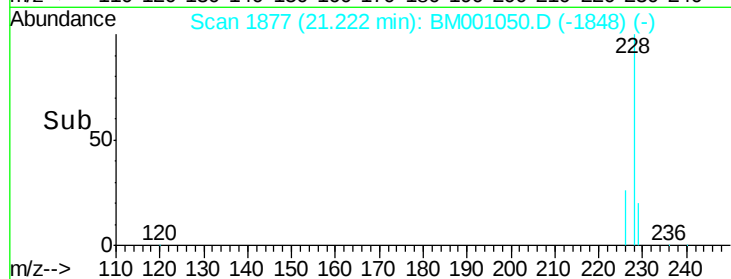
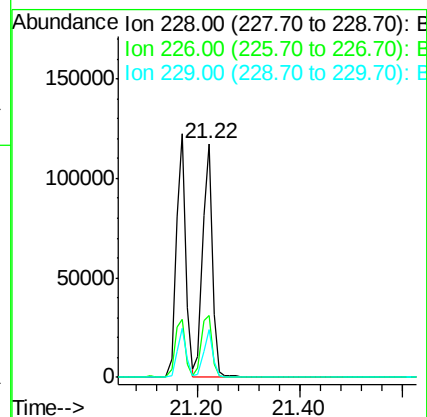
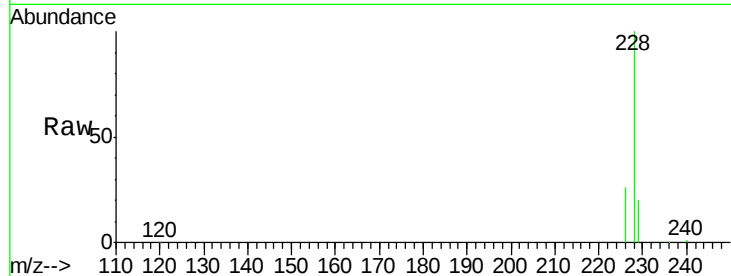




#23
Chrysene
Concen: 5.06 ng
RT: 21.22 min Scan# 1877
Delta R.T. 0.00 min
Lab File: BM001050.D
Acq: 18 Apr 2015 08:02

Tot Ion:228 Resp: 154765

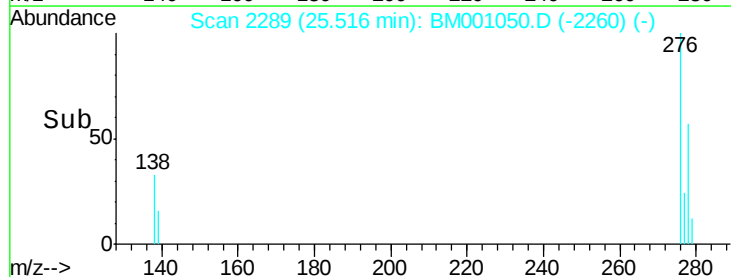
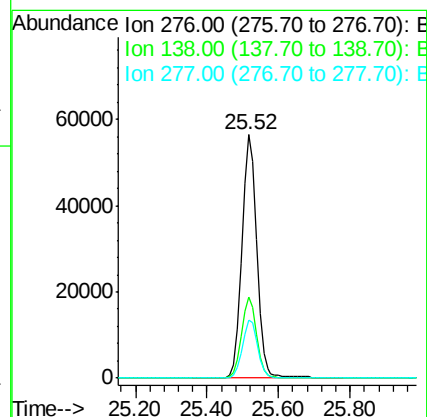
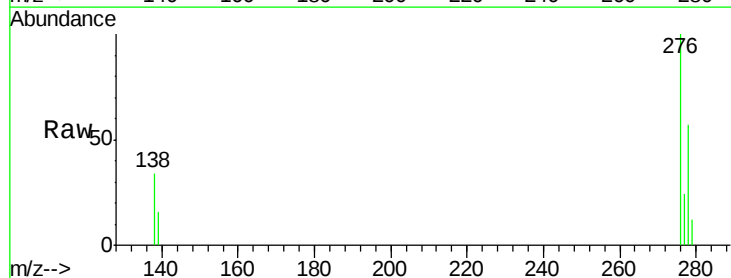
Ion	Ratio	Lower	Upper
228	100		
226	26.2	20.6	31.0
229	20.2	17.2	25.8

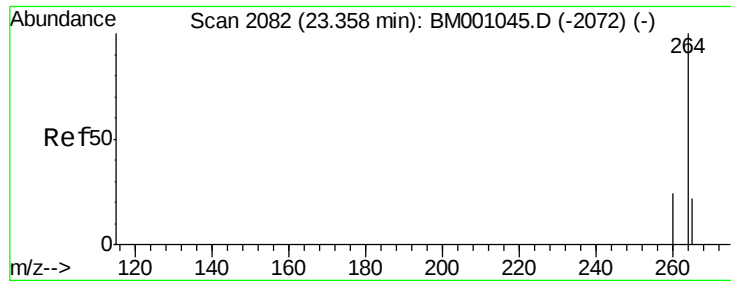


#24
Indeno(1,2,3-cd)pyrene
Concen: 5.09 ng
RT: 25.52 min Scan# 2289
Delta R.T. 0.00 min
Lab File: BM001050.D
Acq: 18 Apr 2015 08:02

Tgt Ion:276 Resp: 159144

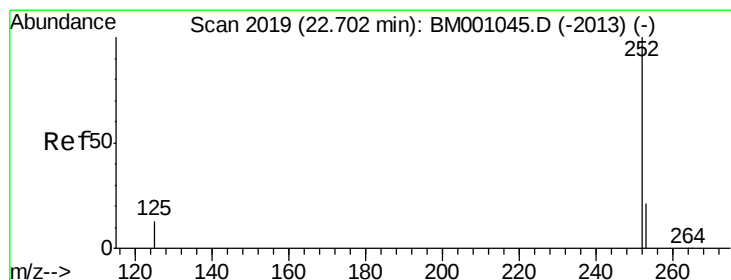
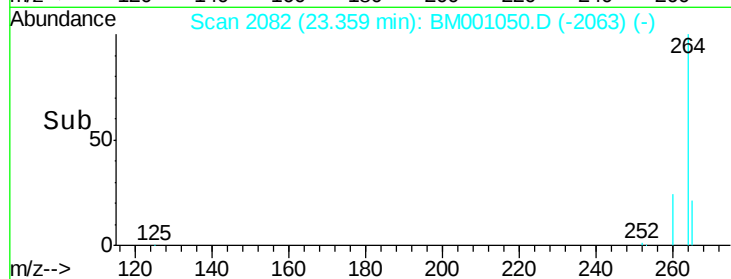
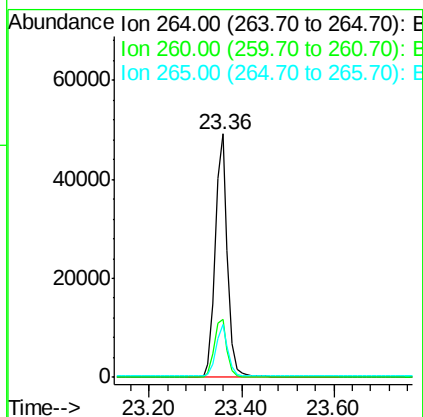
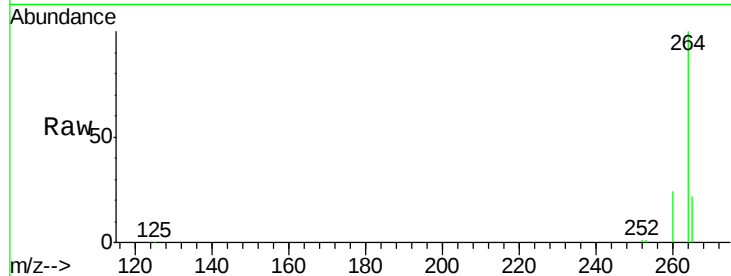
Ion	Ratio	Lower	Upper
276	100		
138	33.6	26.3	39.5
277	24.6	19.5	29.3





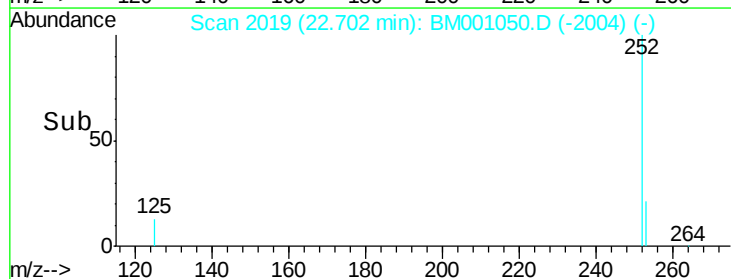
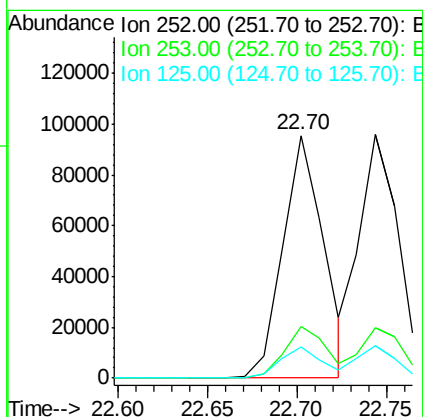
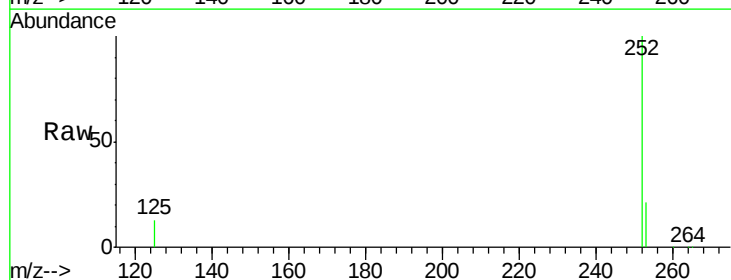
#25
Pervlene-d12
Concen: 5.00 ng
RT: 23.36 min Scan# 2082
Delta R.T. 0.00 min
Lab File: BM001050.D
Acq: 18 Apr 2015 08:02

Tot Ion:264 Resp: 90257
Ion Ratio Lower Upper
264 100
260 24.1 19.0 28.6
265 21.9 17.9 26.9



#26
Benzo(b)fluoranthene
Concen: 5.21 ng
RT: 22.70 min Scan# 2019
Delta R.T. 0.00 min
Lab File: BM001050.D
Acq: 18 Apr 2015 08:02

Tgt Ion:252 Resp: 151099
Ion Ratio Lower Upper
252 100
253 21.1 18.2 27.2
125 13.0 10.9 16.3





#27

Benzo(k)fluoranthene

Concen: 5.34 ng

RT: 22.74 min Scan# 2023

Delta R.T. 0.00 min

Lab File: BM001050.D

Acq: 18 Apr 2015 08:02

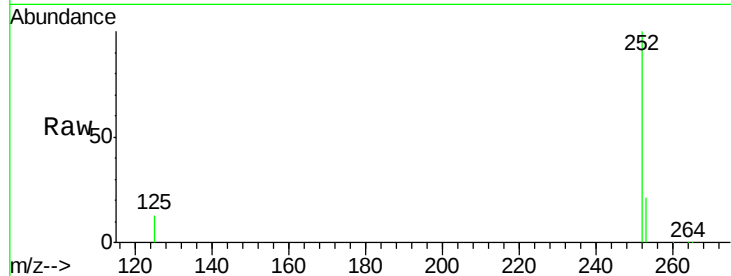
Tot Ion:252 Resp: 148631

Ion Ratio Lower Upper

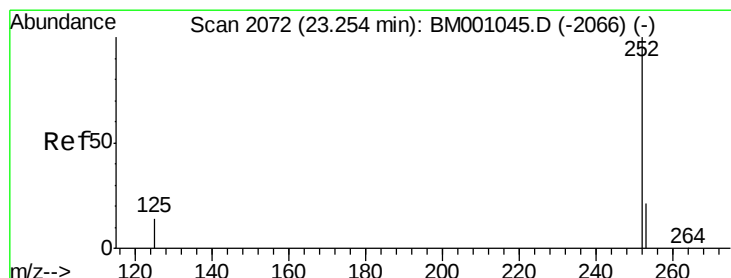
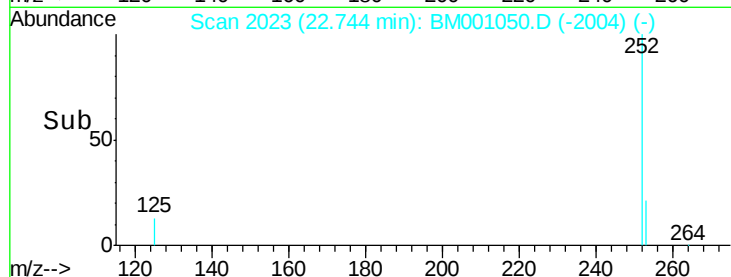
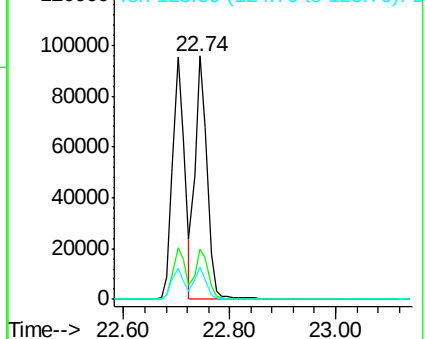
252 100

253 20.9 18.3 27.5

125 13.2 10.6 15.8



Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



#28

Benzo(a)pyrene

Concen: 5.61 ng

RT: 23.25 min Scan# 2072

Delta R.T. 0.00 min

Lab File: BM001050.D

Acq: 18 Apr 2015 08:02

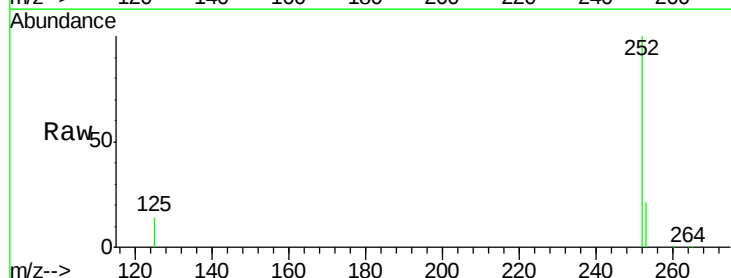
Tgt Ion:252 Resp: 139059

Ion Ratio Lower Upper

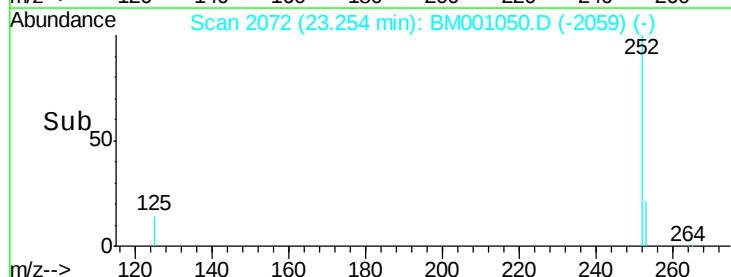
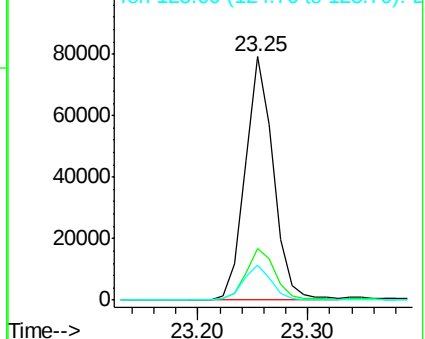
252 100

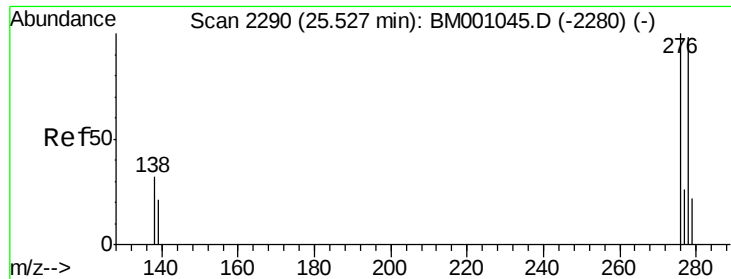
253 21.2 18.6 27.8

125 14.4 11.9 17.9



Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

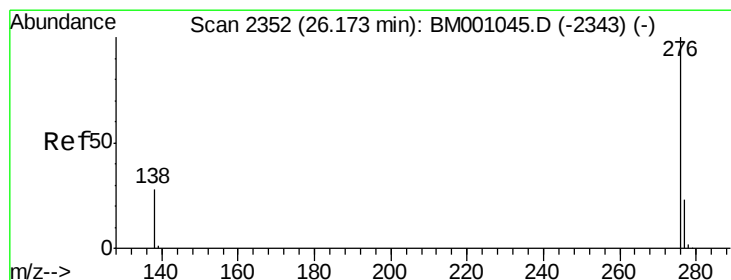
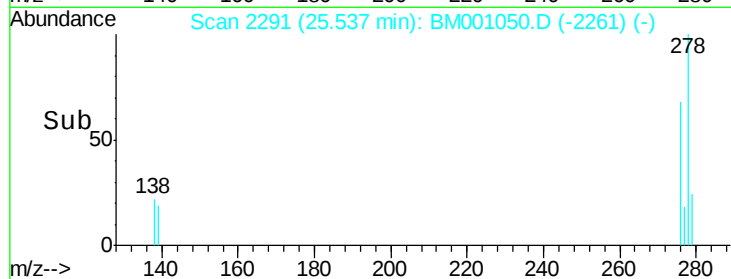
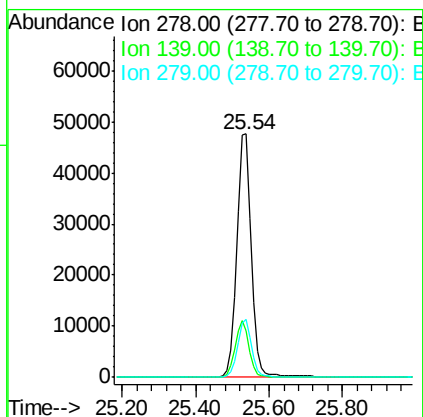
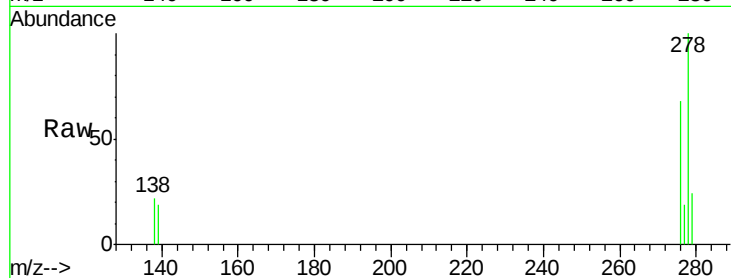




#29
Dibenzo(a,h)anthracene
Concen: 5.29 ng
RT: 25.54 min Scan# 2291
Delta R.T. 0.01 min
Lab File: BM001050.D
Acq: 18 Apr 2015 08:02

Tot Ion: 278 Resp: 129678

Ion	Ratio	Lower	Upper
278	100		
139	18.8	18.2	27.2
279	23.8	19.1	28.7



#30
Benzo(g,h,i)perylene
Concen: 5.09 ng
RT: 26.18 min Scan# 2353
Delta R.T. 0.01 min
Lab File: BM001050.D
Acq: 18 Apr 2015 08:02

Tgt Ion: 276 Resp: 135323

Ion	Ratio	Lower	Upper
276	100		
277	23.4	19.0	28.4
138	27.8	23.4	35.2

