

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM041815\
 Data File : BM001048.D
 Acq On : 18 Apr 2015 06:50
 Operator : TP/IZ
 Sample : SSTDICC010
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Quant Time: Apr 18 07:41:29 2015

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

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Sat Apr 18 05:45:49 2015

Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.58	152	17193	5.00	ng	0.00
4) Naphthalene-d8	10.36	136	62176	5.00	ng	0.00
8) Acenaphthene-d10	14.24	164	33559	5.00	ng	0.00
13) Phenanthrene-d10	16.99	188	143167	5.00	ng	0.00
19) Chrysene-d12	21.19	240	131433	5.00	ng	0.00
25) Perylene-d12	23.36	264	119218	5.00	ng	0.00

System Monitoring Compounds

5) Nitrobenzene-d5	8.74	82	43702	14.06	ng	0.00
9) 2-Fluorobiphenyl	12.86	172	113599	10.87	ng	0.00
21) Terphenyl-d14	19.63	244	100198	6.28	ng	0.00

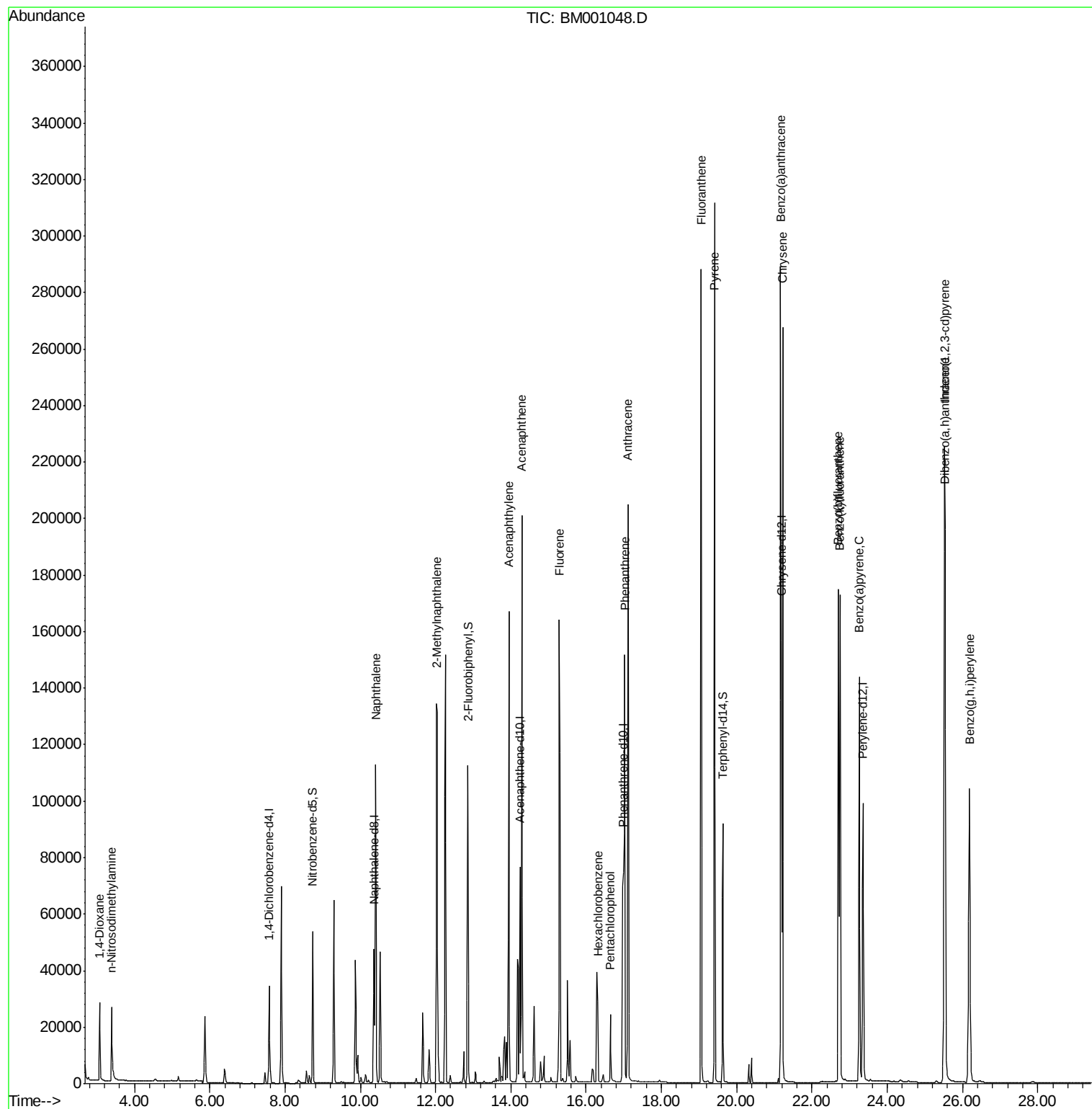
Target Compounds

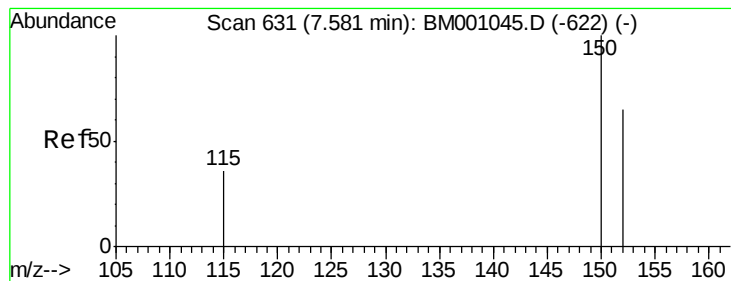
						Qvalue
2) 1,4-Dioxane	3.07	88	16507	11.33	ng	# 100
3) n-Nitrosodimethylamine	3.38	42	21678	13.46	ng	98
6) Naphthalene	10.41	128	154868	10.73	ng	99
7) 2-Methylnaphthalene	12.04	142	115038	12.55	ng	96
10) Acenaphthylene	13.95	152	203403	13.68	ng	100
11) Acenaphthene	14.29	154	116523	11.35	ng	100
12) Fluorene	15.29	166	142888	12.35	ng	100
14) Hexachlorobenzene	16.31	284	46564	5.63	ng	# 100
15) Pentachlorophenol	16.64	266	20462	9.79	ng	96
16) Phenanthrene	17.03	178	221747	5.70	ng	99
17) Anthracene	17.11	178	227085	6.86	ng	100
18) Fluoranthene	19.05	202	249637	6.42	ng	99
20) Pyrene	19.42	202	261012	6.09	ng	100
22) Benzo(a)anthracene	21.17	228	231780	6.16	ng	96
23) Chrysene	21.22	228	218279	5.56	ng	97
24) Indeno(1,2,3-cd)pyrene	25.53	276	241896	5.94	ng	99
26) Benzo(b)fluoranthene	22.70	252	217159	5.78	ng	97
27) Benzo(k)fluoranthene	22.74	252	221759	6.16	ng	96
28) Benzo(a)pyrene	23.25	252	200772	6.22	ng	97
29) Dibenzo(a,h)anthracene	25.54	278	189303	5.95	ng	98
30) Benzo(g,h,i)perylene	26.18	276	197679	5.76	ng	99

(#) = 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: BM001048.D

Acq: 18 Apr 2015 06:50

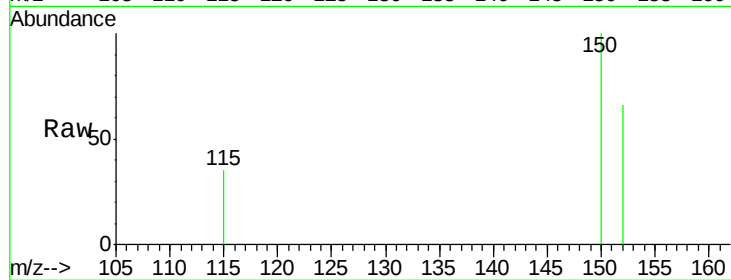
Tgt Ion: 152 Resp: 17193

Ion Ratio Lower Upper

152 100

150 151.1 123.3 184.9

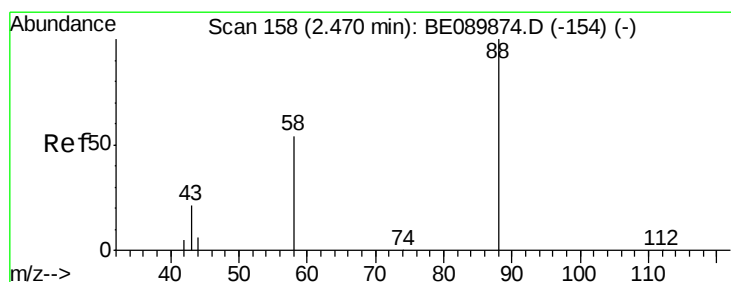
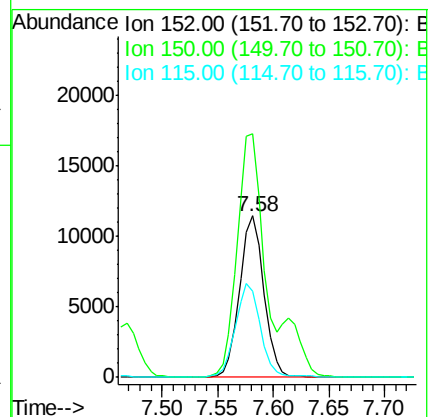
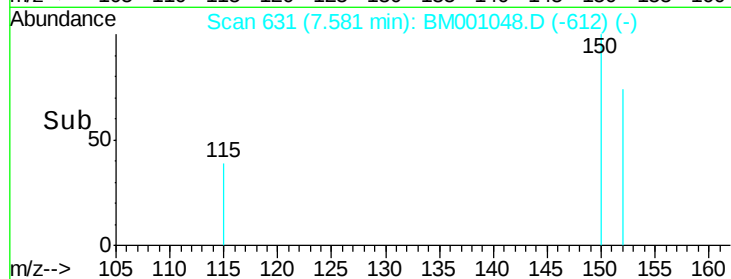
115 53.4 45.0 67.6



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: 11.33 ng

RT: 3.07 min Scan# 38

Delta R.T. -0.01 min

Lab File: BM001048.D

Acq: 18 Apr 2015 06:50

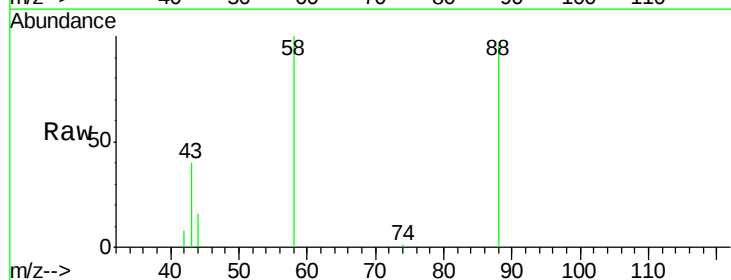
Tgt Ion: 88 Resp: 16507

Ion Ratio Lower Upper

88 100

58 85.1 0.0 0.0#

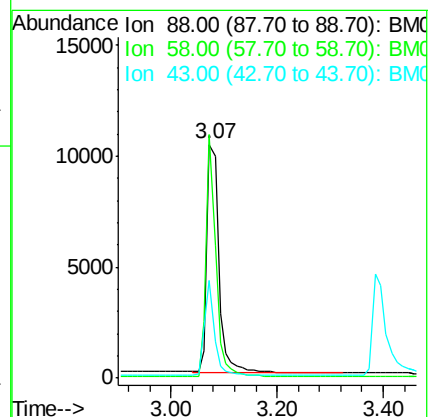
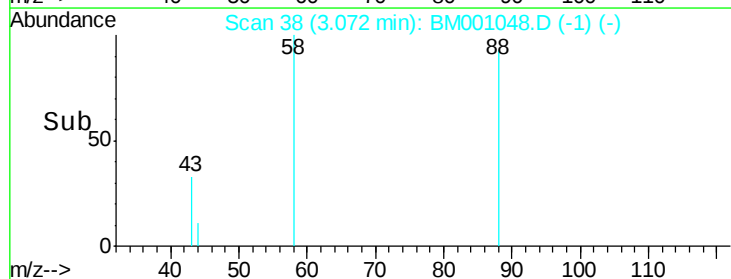
43 34.3 0.0 0.0#

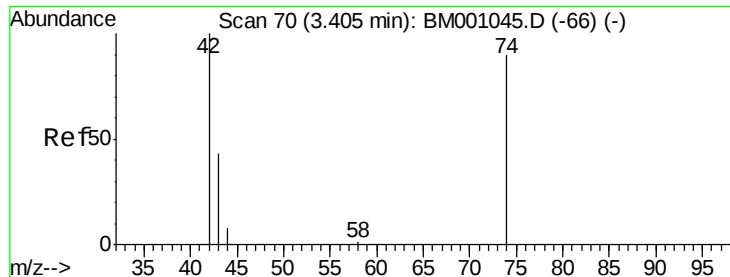


Abundance Ion 88.00 (87.70 to 88.70): BM0

Ion 58.00 (57.70 to 58.70): BM0

Ion 43.00 (42.70 to 43.70): BM0





#3

n-Nitrosodimethylamine

Concen: 13.46 ng

RT: 3.38 min Scan# 68

Delta R.T. -0.02 min

Lab File: BM001048.D

Acq: 18 Apr 2015 06:50

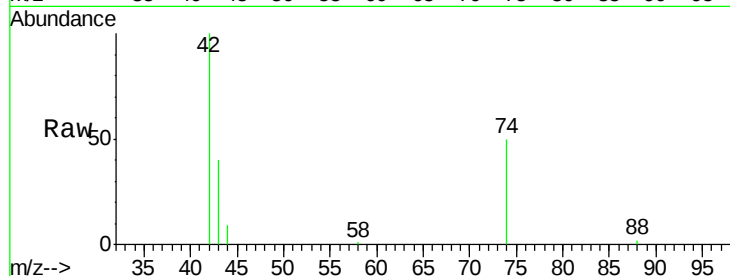
Tgt Ion: 42 Resp: 21678

Ion Ratio Lower Upper

42 100

74 112.5 92.1 138.1

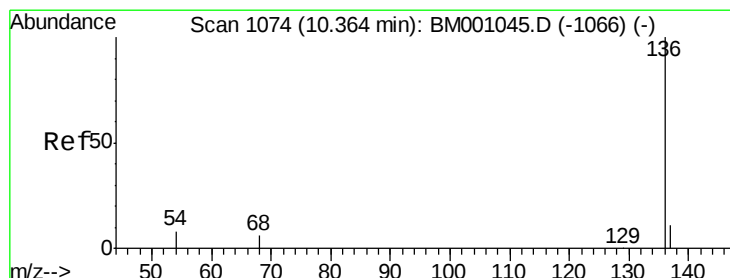
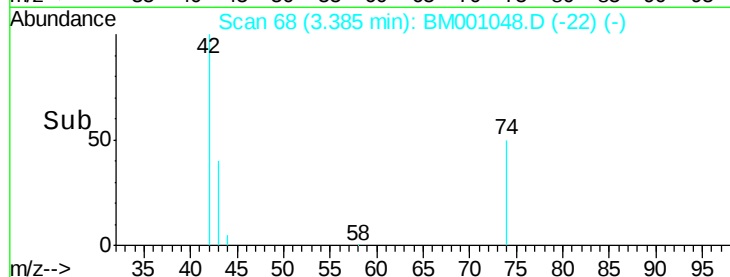
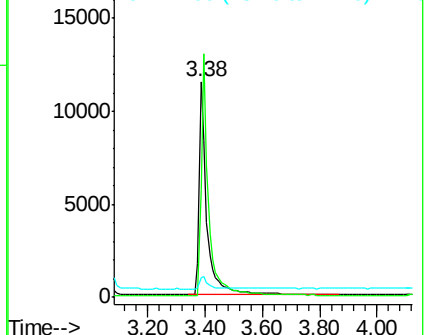
44 6.4 5.8 8.6



Abundance Ion 42.00 (41.70 to 42.70): BM001048.D (-66) (-)

Ion 74.00 (73.70 to 74.70): BM001048.D (-66) (-)

Ion 44.00 (43.70 to 44.70): BM001048.D (-66) (-)



#4

Naphthalene-d8

Concen: 5.00 ng

RT: 10.36 min Scan# 1074

Delta R.T. 0.00 min

Lab File: BM001048.D

Acq: 18 Apr 2015 06:50

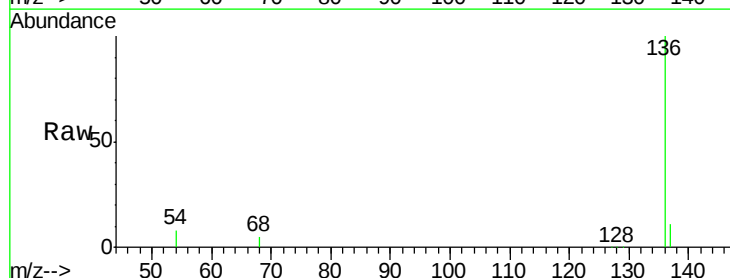
Tgt Ion: 136 Resp: 62176

Ion Ratio Lower Upper

136 100

137 11.1 8.6 13.0

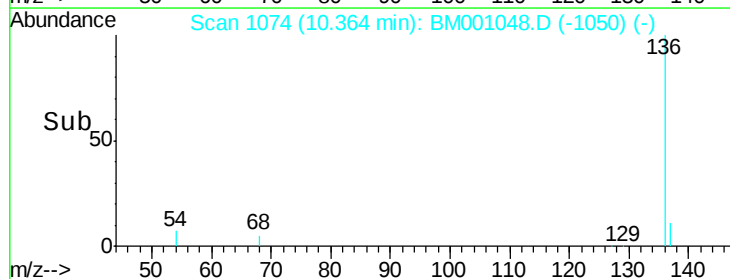
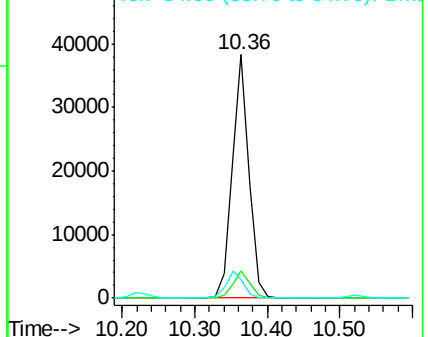
54 7.6 6.5 9.7

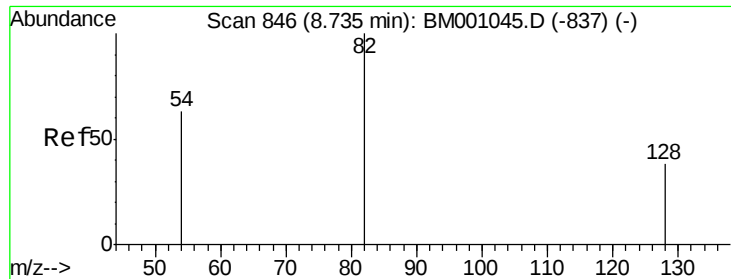


Abundance Ion 136.00 (135.70 to 136.70): BM001048.D (-1066) (-)

Ion 137.00 (136.70 to 137.70): BM001048.D (-1066) (-)

Ion 54.00 (53.70 to 54.70): BM001048.D (-1066) (-)





#5

Nitrobenzene-d5

Concen: 14.06 ng

RT: 8.74 min Scan# 846

Delta R.T. 0.00 min

Lab File: BM001048.D

Acq: 18 Apr 2015 06:50

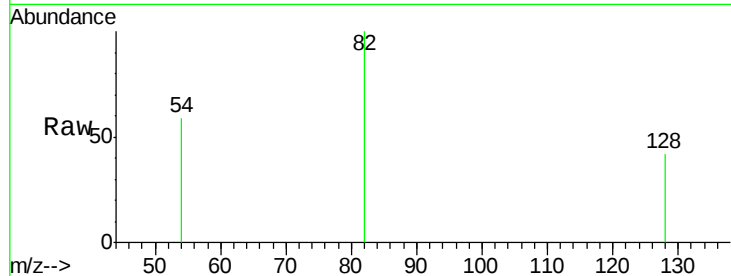
Tgt Ion: 82 Resp: 43702

Ion Ratio Lower Upper

82 100

128 42.2 31.9 47.9

54 59.0 51.3 76.9

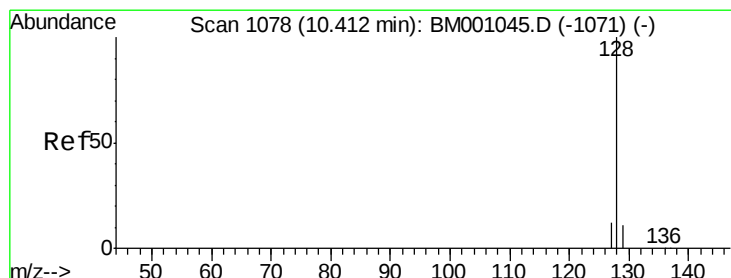
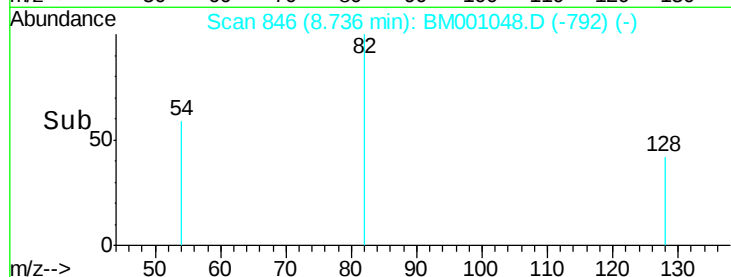


Abundance Ion 82.00 (81.70 to 82.70): BM001048.D (-837) (-)

Ion 128.00 (127.70 to 128.70): BM001048.D (-837) (-)

Ion 54.00 (53.70 to 54.70): BM001048.D (-837) (-)

Time-->



#6

Naphthalene

Concen: 10.73 ng

RT: 10.41 min Scan# 1078

Delta R.T. 0.00 min

Lab File: BM001048.D

Acq: 18 Apr 2015 06:50

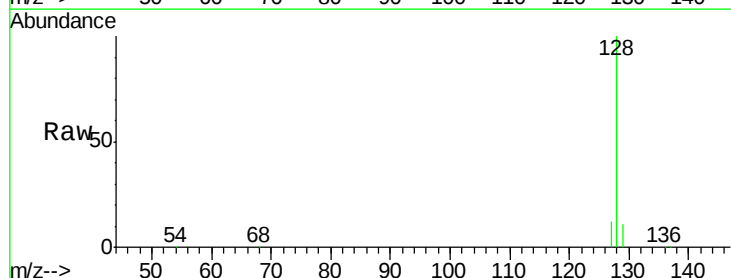
Tgt Ion: 128 Resp: 154868

Ion Ratio Lower Upper

128 100

129 11.2 9.3 13.9

127 11.9 10.0 15.0

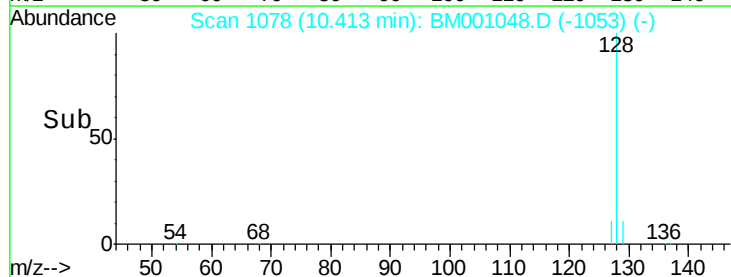


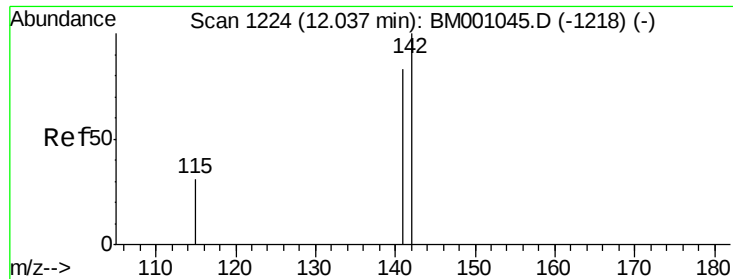
Abundance Ion 128.00 (127.70 to 128.70): BM001048.D (-1071) (-)

Ion 129.00 (128.70 to 129.70): BM001048.D (-1071) (-)

Ion 127.00 (126.70 to 127.70): BM001048.D (-1071) (-)

Time-->





#7

2-Methylnaphthalene

Concen: 12.55 ng

RT: 12.04 min Scan# 1224

Delta R.T. 0.00 min

Lab File: BM001048.D

Acq: 18 Apr 2015 06:50

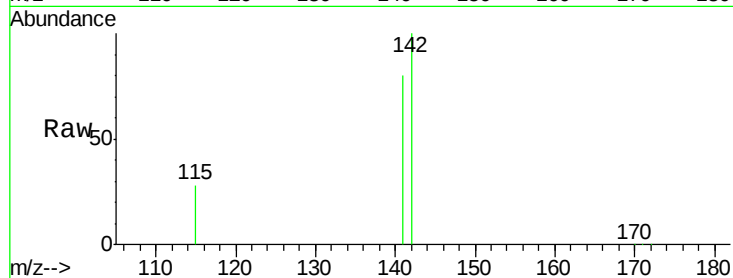
Tgt Ion:142 Resp: 115038

Ion Ratio Lower Upper

142 100

141 80.2 66.7 100.1

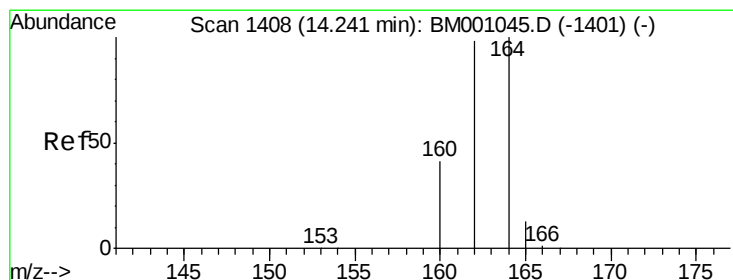
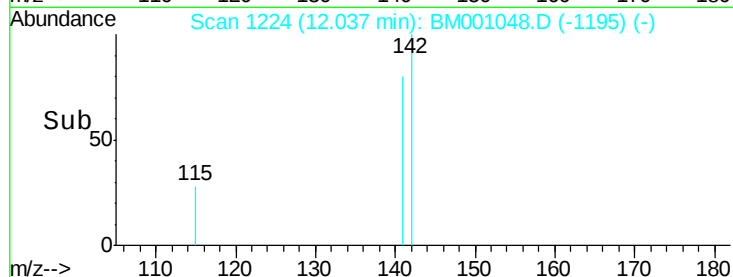
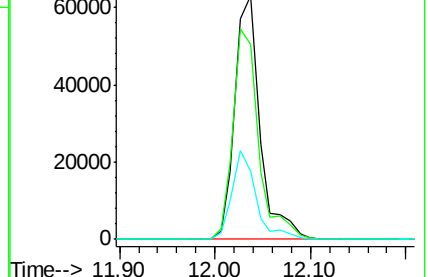
115 28.3 25.5 38.3



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: BM001048.D

Acq: 18 Apr 2015 06:50

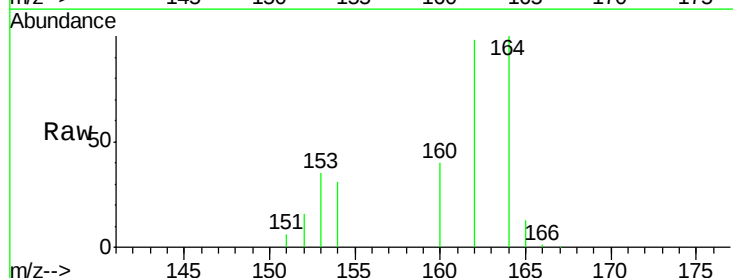
Tgt Ion:164 Resp: 33559

Ion Ratio Lower Upper

164 100

162 97.7 78.5 117.7

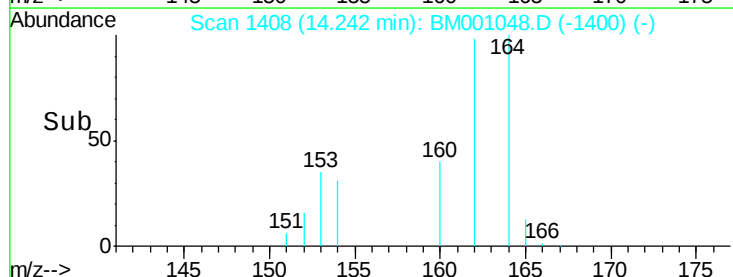
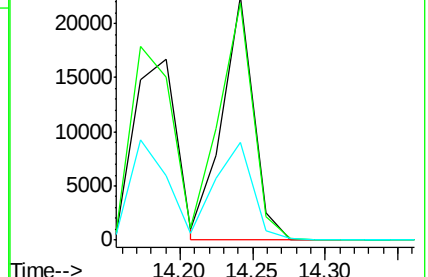
160 40.3 32.9 49.3

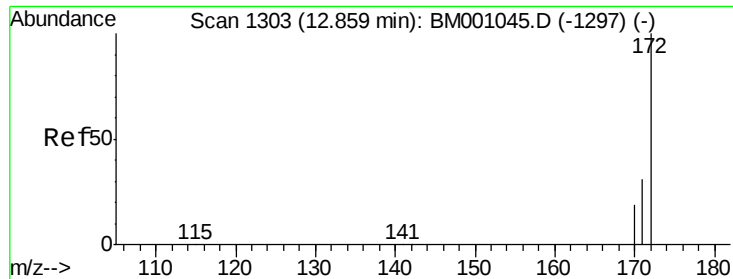


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

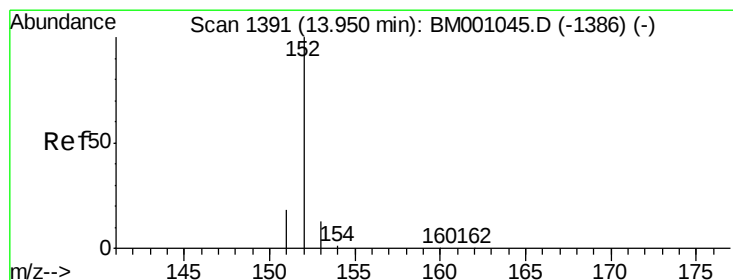
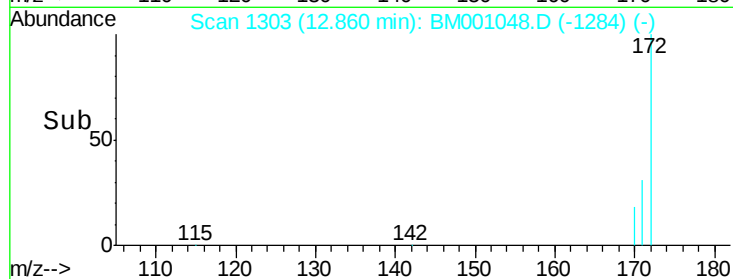
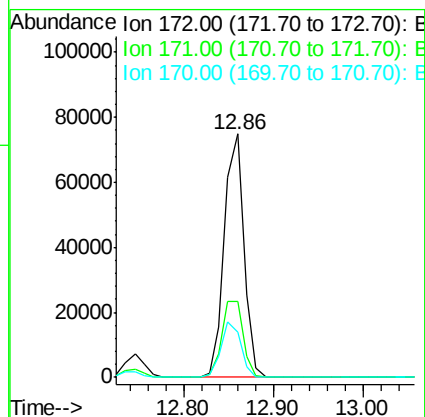
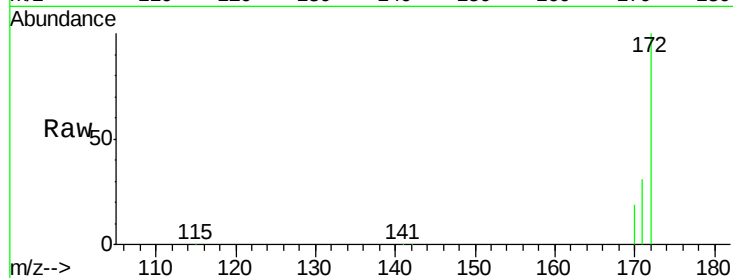
Ion 160.00 (159.70 to 160.70): E





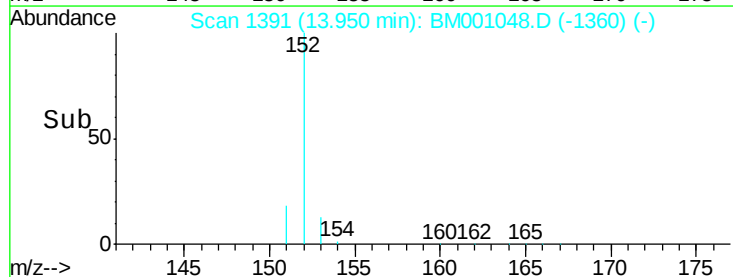
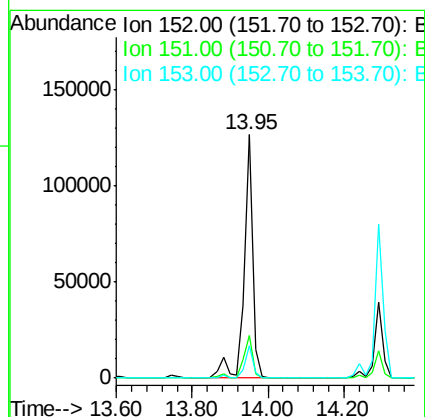
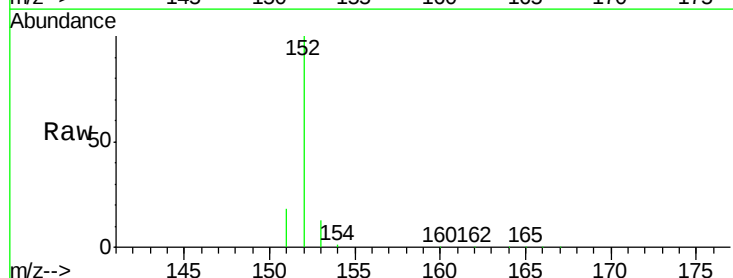
#9
2-Fluorobiphenyl
Concen: 10.87 ng
RT: 12.86 min Scan# 1303
Delta R.T. 0.00 min
Lab File: BM001048.D
Acq: 18 Apr 2015 06:50

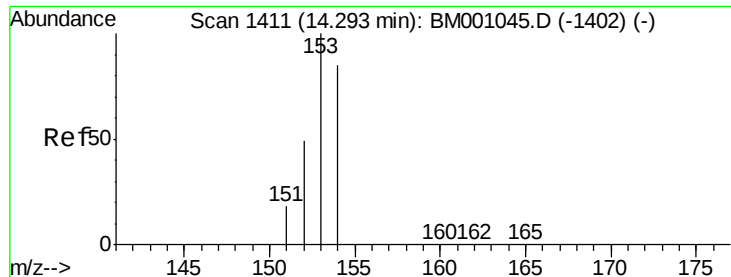
Tgt Ion:172 Resp: 113599
Ion Ratio Lower Upper
172 100
171 31.2 25.6 38.4
170 18.5 15.8 23.6



#10
Acenaphthylene
Concen: 13.68 ng
RT: 13.95 min Scan# 1391
Delta R.T. 0.00 min
Lab File: BM001048.D
Acq: 18 Apr 2015 06:50

Tgt Ion:152 Resp: 203403
Ion Ratio Lower Upper
152 100
151 18.6 14.7 22.1
153 12.9 10.2 15.2





#11

Acenaphthene

Concen: 11.35 ng

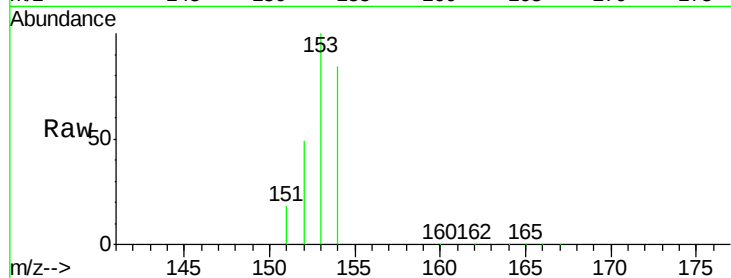
RT: 14.29 min Scan# 1411

Delta R.T. 0.00 min

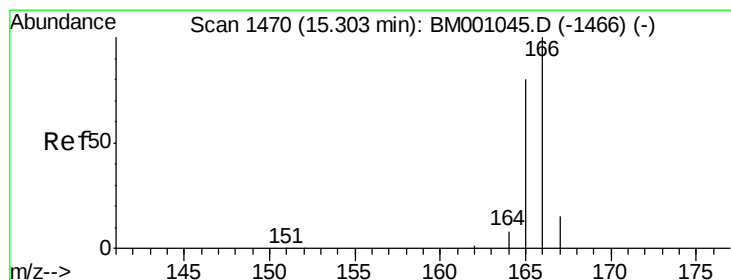
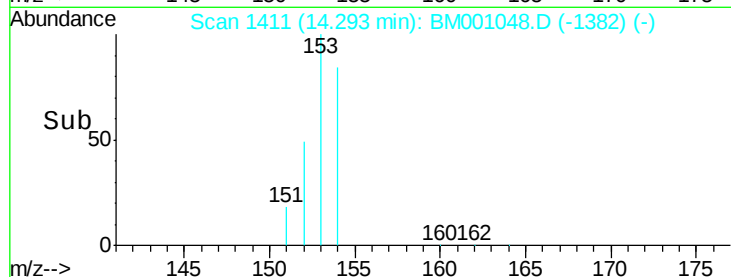
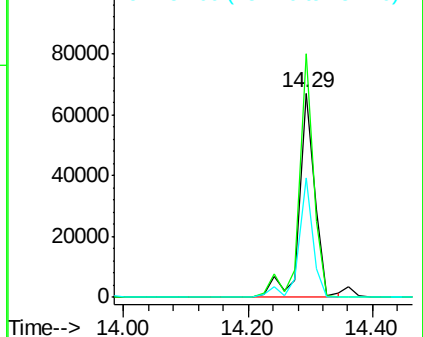
Lab File: BM001048.D

Acq: 18 Apr 2015 06:50

Tgt Ion:	154	Resp:	116523
Ion	Ratio	Lower	Upper
154	100		
153	110.5	88.1	132.1
152	53.0	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: 12.35 ng

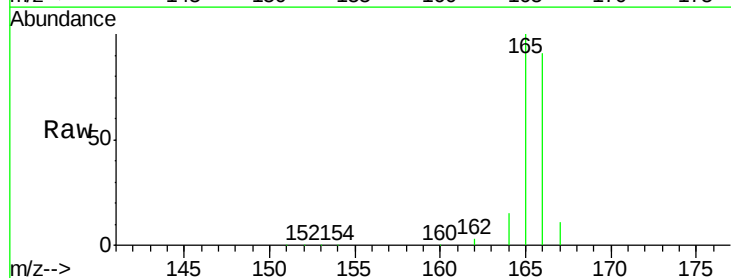
RT: 15.29 min Scan# 1469

Delta R.T. -0.02 min

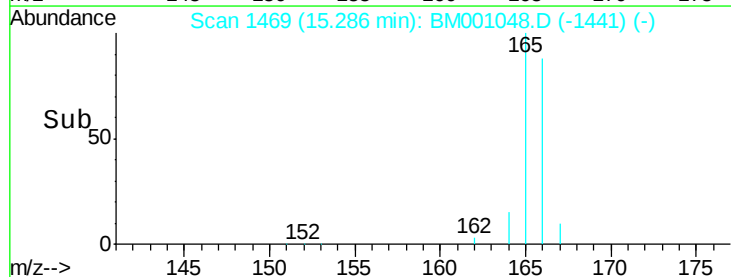
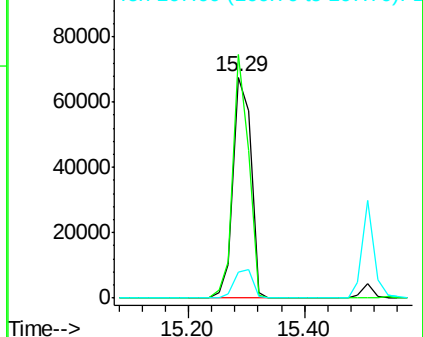
Lab File: BM001048.D

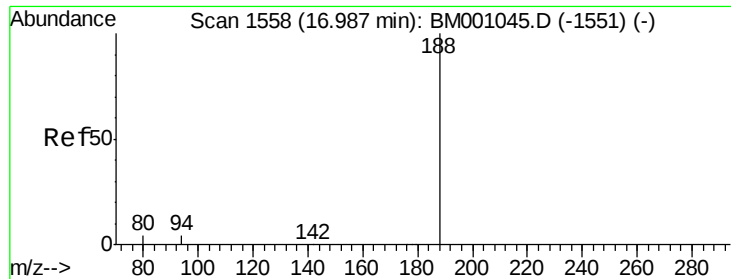
Acq: 18 Apr 2015 06:50

Tgt Ion:	166	Resp:	142888
Ion	Ratio	Lower	Upper
166	100		
165	96.5	77.6	116.4
167	13.3	10.6	16.0



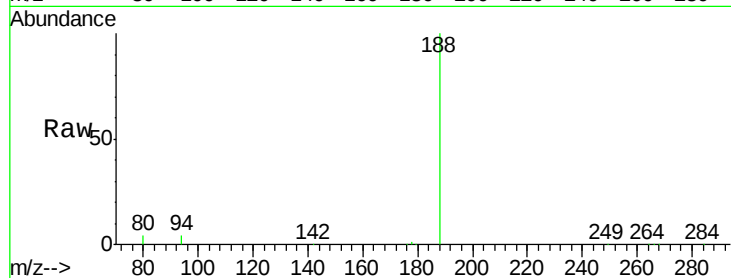
Abundance Ion 166.00 (165.70 to 166.70): E
Ion 165.00 (164.70 to 165.70): E
Ion 167.00 (166.70 to 167.70): E



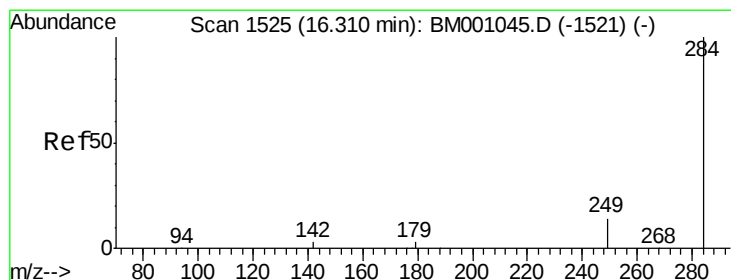
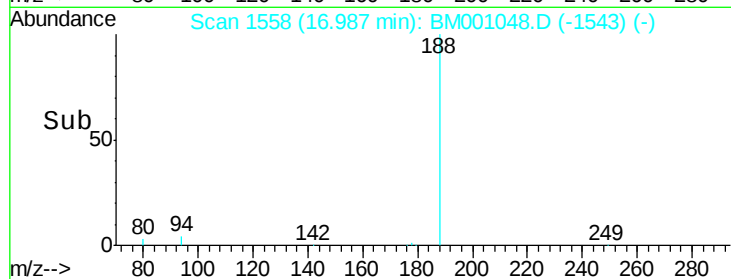
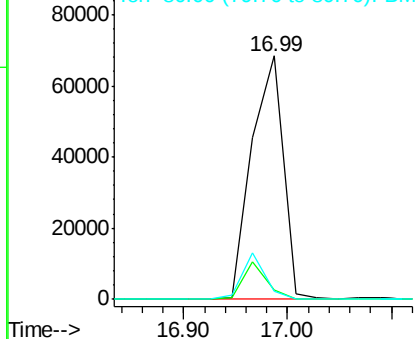


#13
Phenanthrene-d10
Concen: 5.00 ng
RT: 16.99 min Scan# 1558
Delta R.T. 0.00 min
Lab File: BM001048.D
Acq: 18 Apr 2015 06:50

Tgt Ion:188 Resp: 143167
Ion Ratio Lower Upper
188 100
94 4.1 3.6 5.4
80 3.5 3.0 4.6

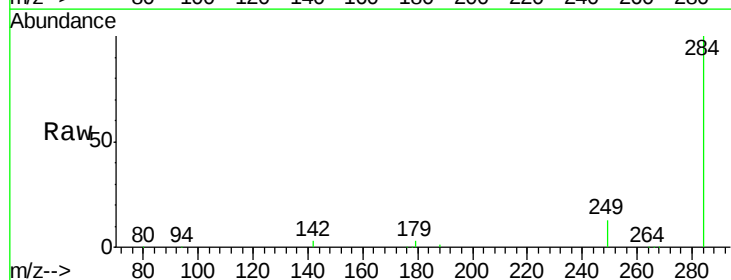


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BM
Ion 80.00 (79.70 to 80.70): BM

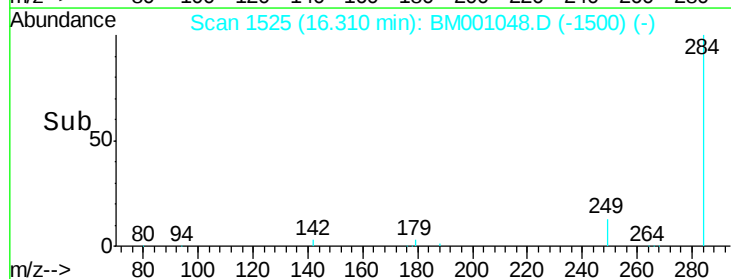
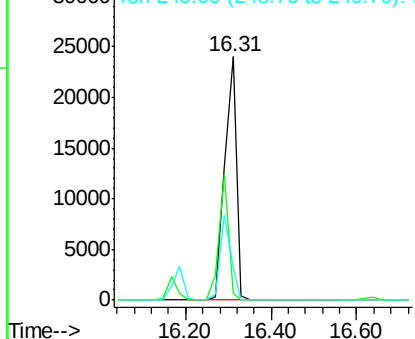


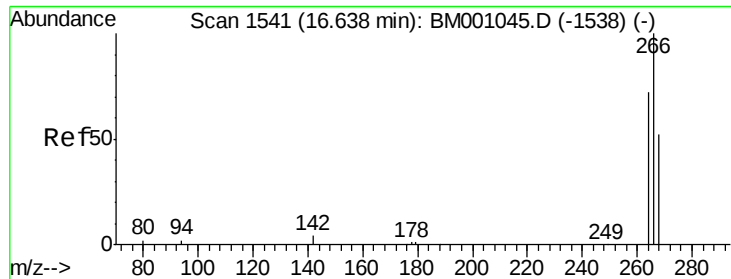
#14
Hexachlorobenzene
Concen: 5.63 ng
RT: 16.31 min Scan# 1525
Delta R.T. 0.00 min
Lab File: BM001048.D
Acq: 18 Apr 2015 06:50

Tgt Ion:284 Resp: 46564
Ion Ratio Lower Upper
284 100
142 0.0 0.0 0.0
249 0.0 0.0 0.0



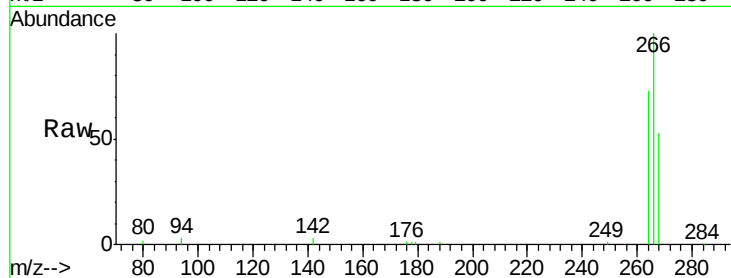
Abundance Ion 283.80 (283.50 to 284.50): E
Ion 142.00 (141.70 to 142.70): E
Ion 249.00 (248.70 to 249.70): E



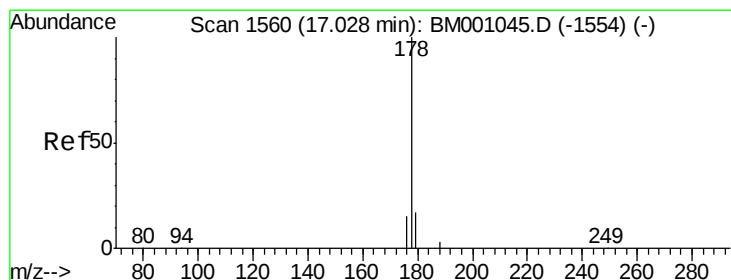
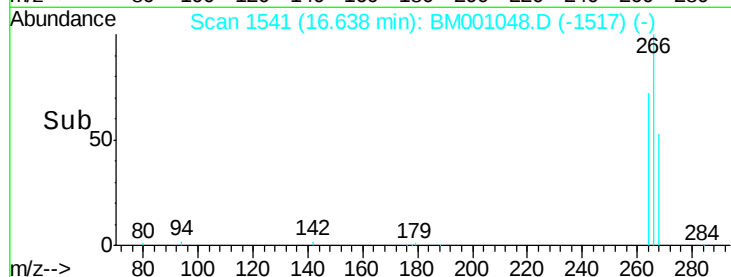
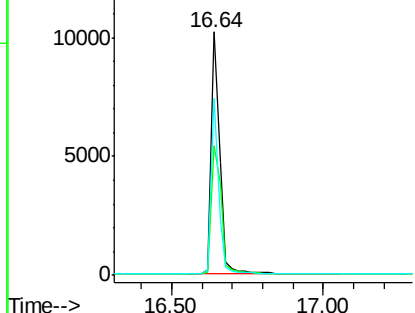


#15
 Pentachlorophenol
 Concen: 9.79 ng
 RT: 16.64 min Scan# 1541
 Delta R.T. 0.00 min
 Lab File: BM001048.D
 Acq: 18 Apr 2015 06:50

Tgt Ion	Ratio	Lower	Upper
266	100		
268	53.4	46.3	69.5
264	72.6	59.8	89.6

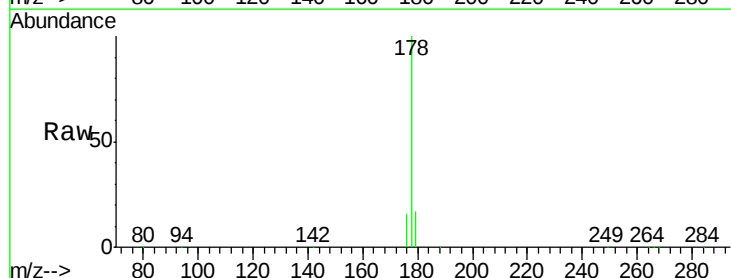


Abundance Ion 265.70 (265.40 to 266.40): E
 Ion 268.00 (267.70 to 268.70): E
 Ion 264.00 (263.70 to 264.70): E

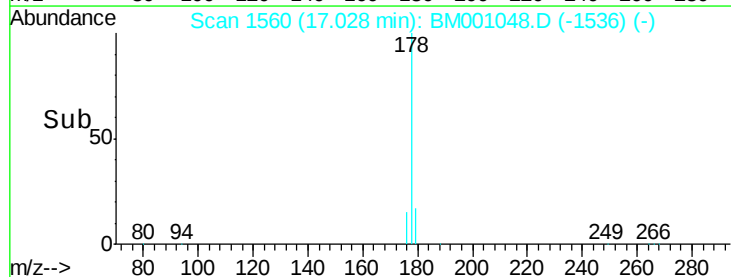
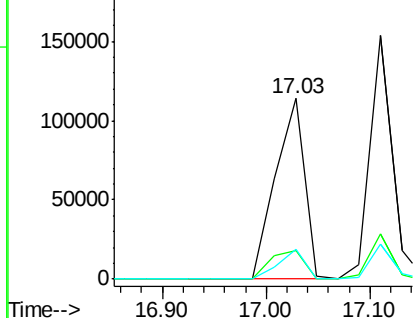


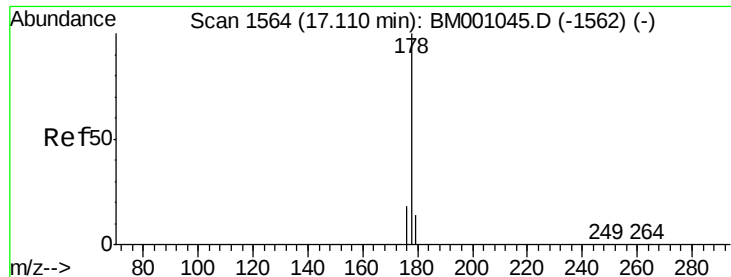
#16
 Phenanthrene
 Concen: 5.70 ng
 RT: 17.03 min Scan# 1560
 Delta R.T. 0.00 min
 Lab File: BM001048.D
 Acq: 18 Apr 2015 06:50

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.2	14.6	22.0
179	15.2	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: 6.86 ng

RT: 17.11 min Scan# 1564

Delta R.T. 0.00 min

Lab File: BM001048.D

Acq: 18 Apr 2015 06:50

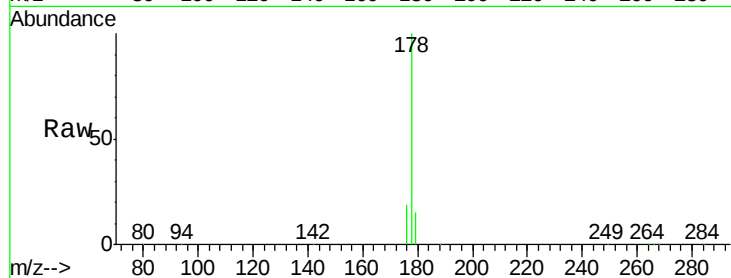
Tgt Ion:178 Resp: 227085

Ion Ratio Lower Upper

178 100

176 18.2 14.3 21.5

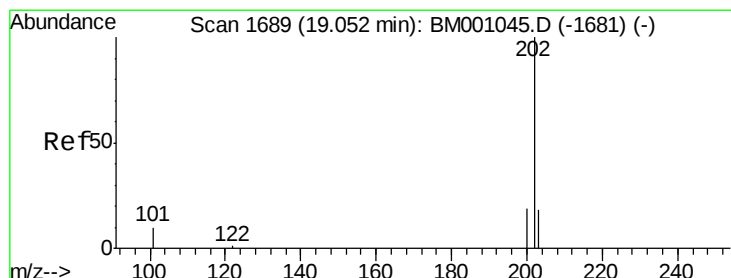
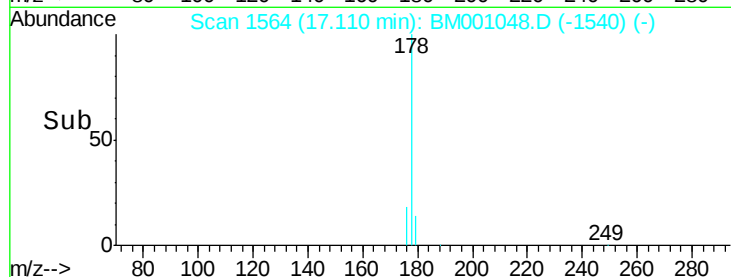
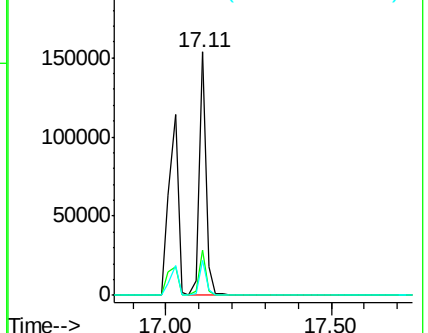
179 14.9 11.8 17.8



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: 6.42 ng

RT: 19.05 min Scan# 1689

Delta R.T. 0.00 min

Lab File: BM001048.D

Acq: 18 Apr 2015 06:50

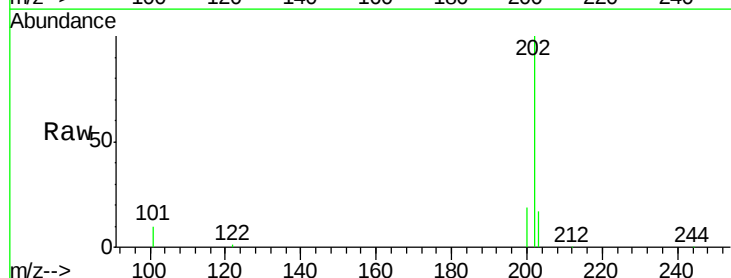
Tgt Ion:202 Resp: 249637

Ion Ratio Lower Upper

202 100

101 12.8 10.1 15.1

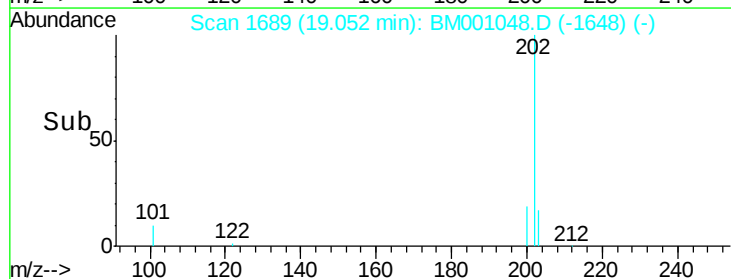
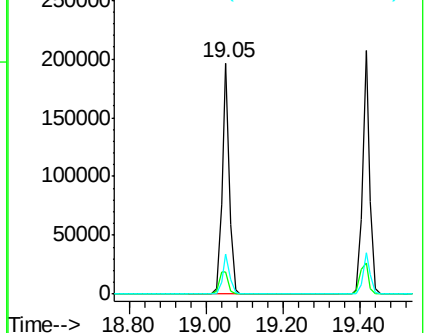
203 17.1 13.8 20.8

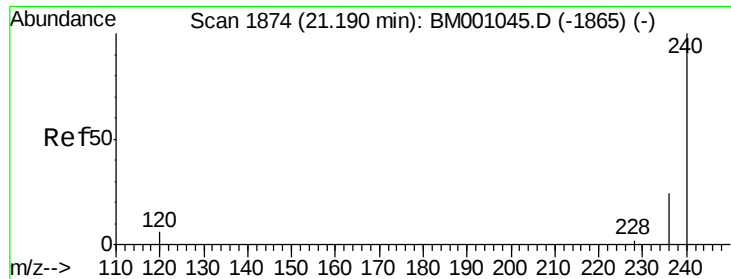


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

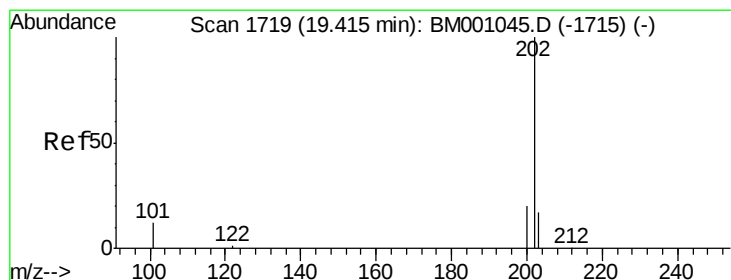
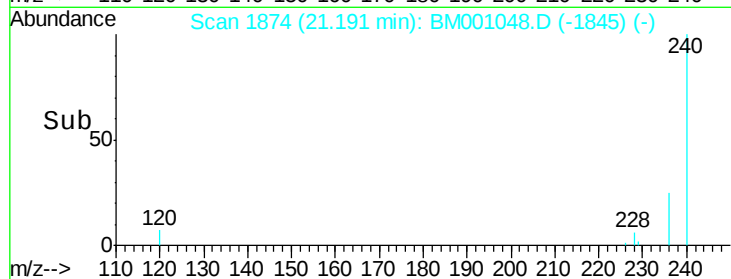
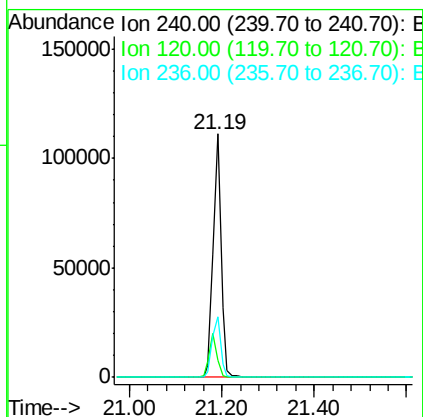
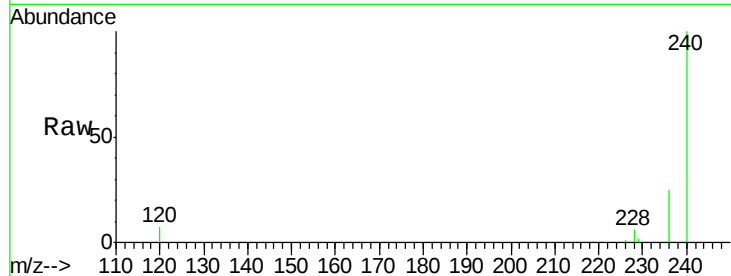
Ion 203.00 (202.70 to 203.70): E





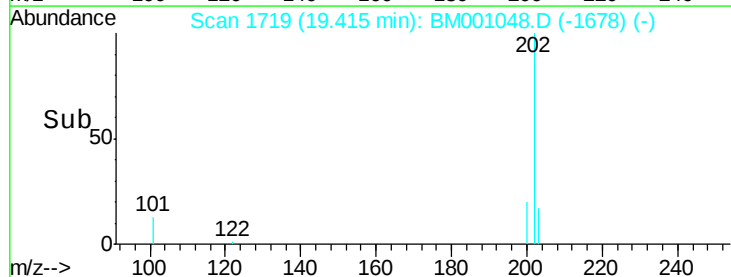
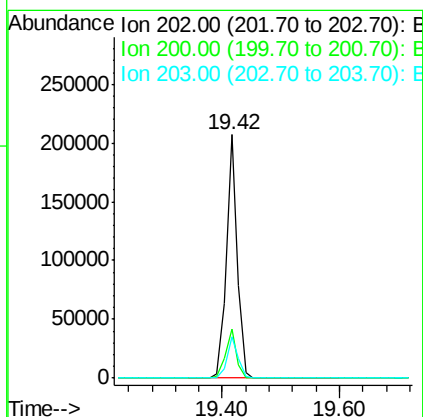
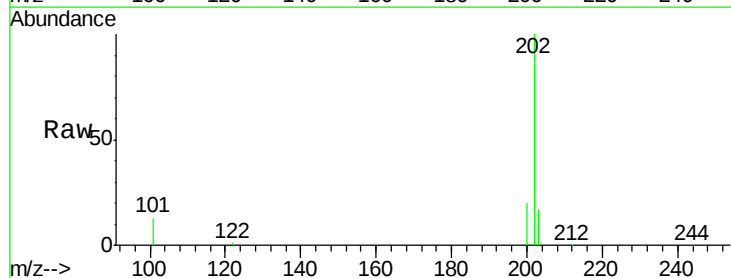
#19
Chrysene-d12
Concen: 5.00 ng
RT: 21.19 min Scan# 1874
Delta R.T. 0.00 min
Lab File: BM001048.D
Acq: 18 Apr 2015 06:50

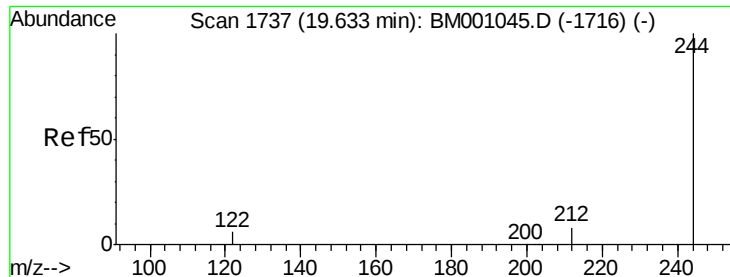
Tgt Ion: 240 Resp: 131433
Ion Ratio Lower Upper
240 100
120 7.2 4.6 6.8#
236 24.9 19.1 28.7



#20
Pyrene
Concen: 6.09 ng
RT: 19.42 min Scan# 1719
Delta R.T. 0.00 min
Lab File: BM001048.D
Acq: 18 Apr 2015 06:50

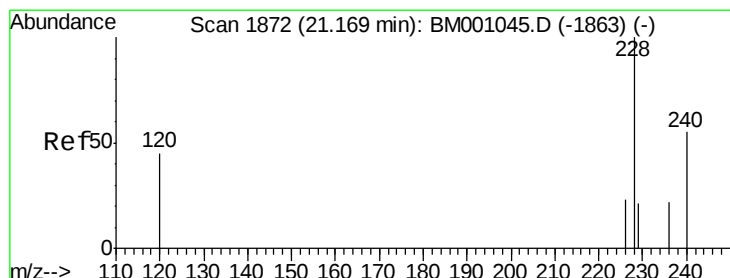
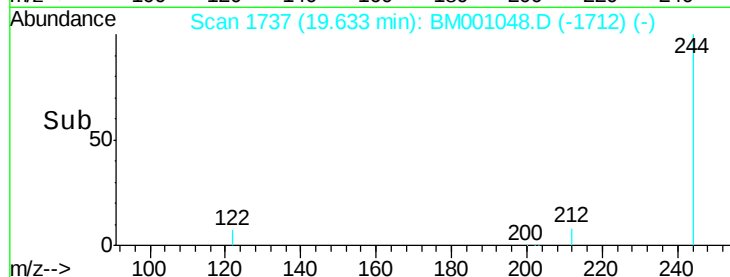
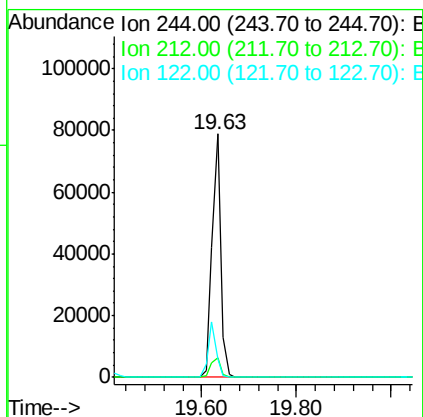
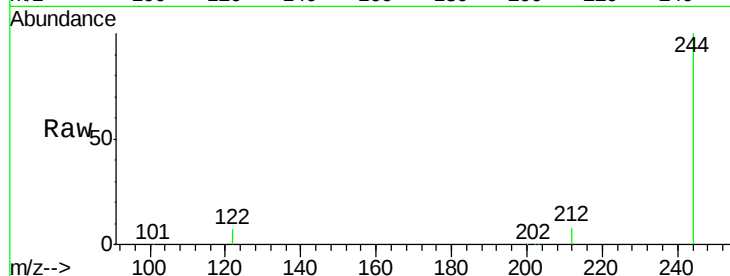
Tgt Ion: 202 Resp: 261012
Ion Ratio Lower Upper
202 100
200 20.1 16.3 24.5
203 17.4 13.8 20.6





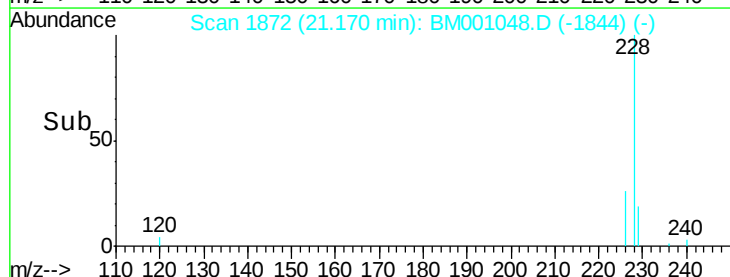
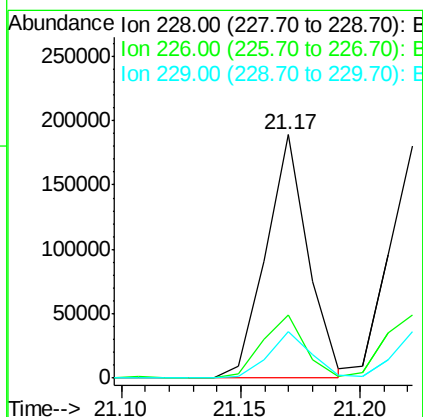
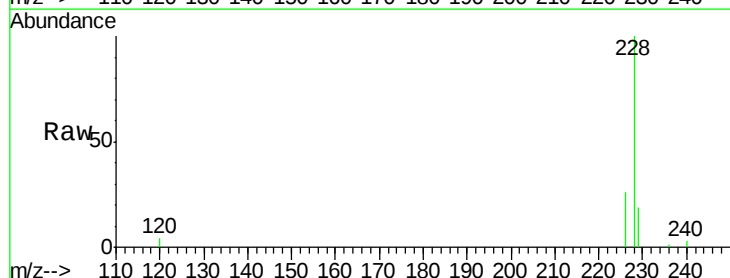
#21
 Terphenyl-d14
 Concen: 6.28 ng
 RT: 19.63 min Scan# 1737
 Delta R.T. 0.00 min
 Lab File: BM001048.D
 Acq: 18 Apr 2015 06:50

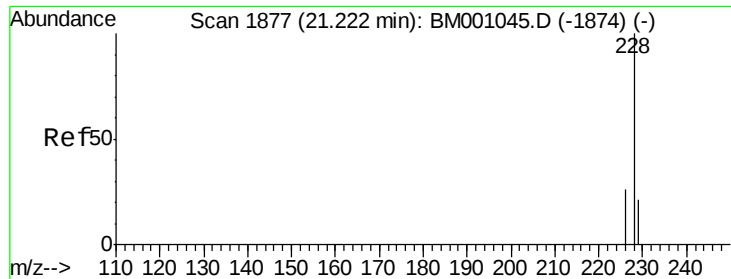
Tgt Ion: 244 Resp: 100198
 Ion Ratio Lower Upper
 244 100
 212 8.2 7.1 10.7
 122 7.5 5.9 8.9



#22
 Benzo(a)anthracene
 Concen: 6.16 ng
 RT: 21.17 min Scan# 1872
 Delta R.T. 0.00 min
 Lab File: BM001048.D
 Acq: 18 Apr 2015 06:50

Tgt Ion: 228 Resp: 231780
 Ion Ratio Lower Upper
 228 100
 226 25.8 19.0 28.6
 229 19.3 16.8 25.2





#23

Chrysene

Concen: 5.56 ng

RT: 21.22 min Scan# 1877

Delta R.T. 0.00 min

Lab File: BM001048.D

Acq: 18 Apr 2015 06:50

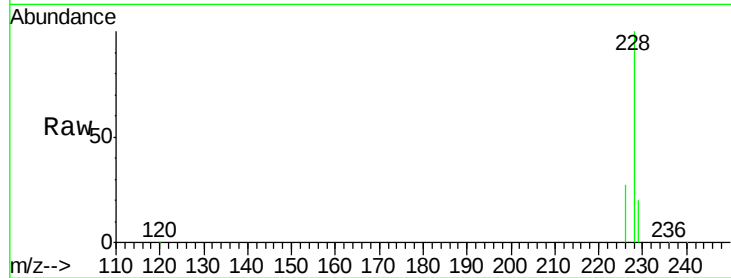
Tgt Ion: 228 Resp: 218279

Ion Ratio Lower Upper

228 100

226 27.2 20.6 31.0

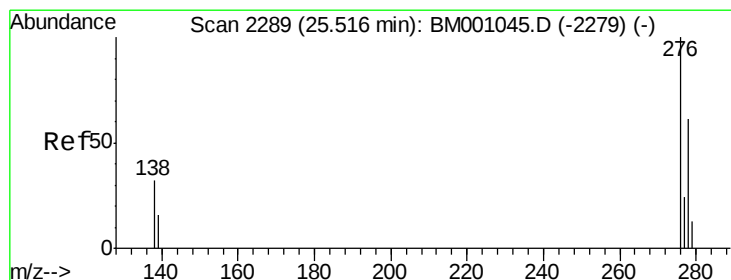
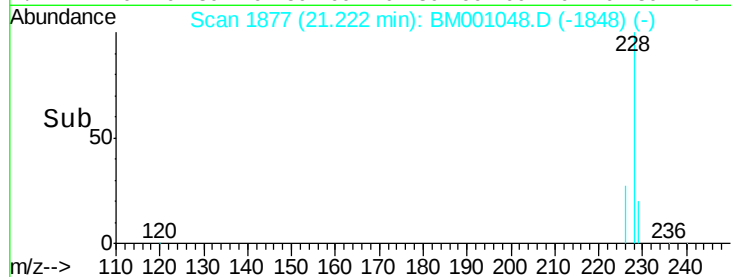
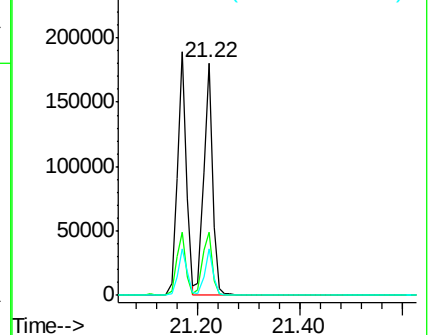
229 20.2 17.2 25.8



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#24

Indeno(1,2,3-cd)pyrene

Concen: 5.94 ng

RT: 25.53 min Scan# 2290

Delta R.T. 0.01 min

Lab File: BM001048.D

Acq: 18 Apr 2015 06:50

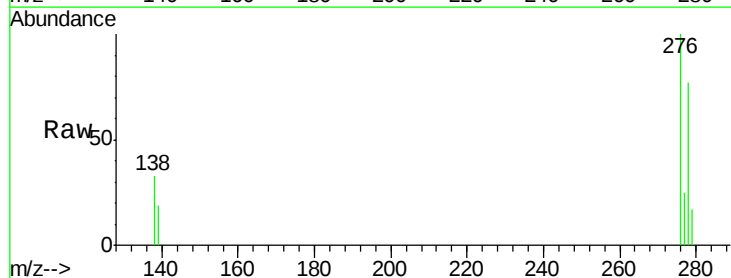
Tgt Ion: 276 Resp: 241896

Ion Ratio Lower Upper

276 100

138 33.5 26.3 39.5

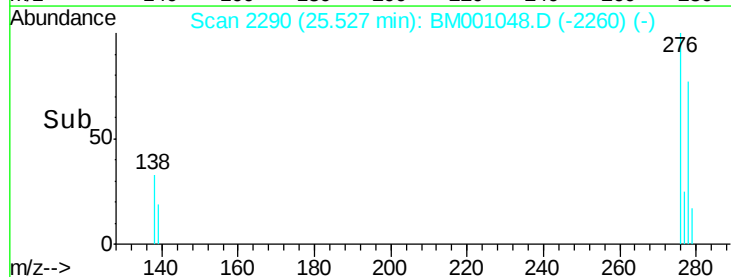
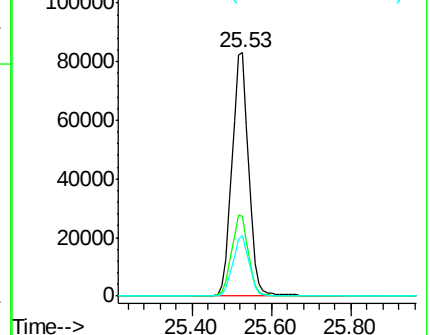
277 24.5 19.5 29.3

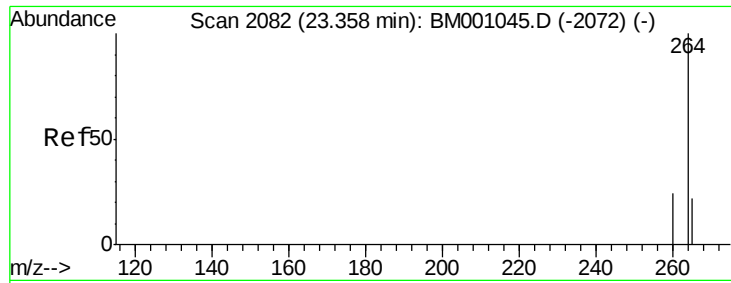


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

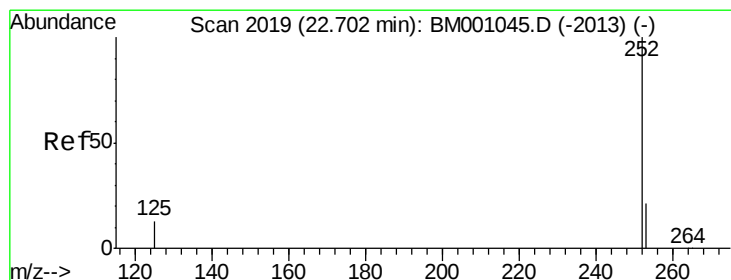
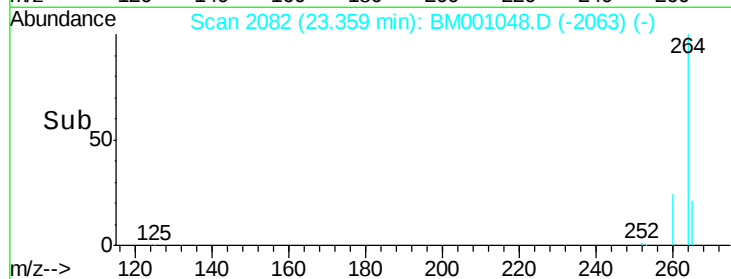
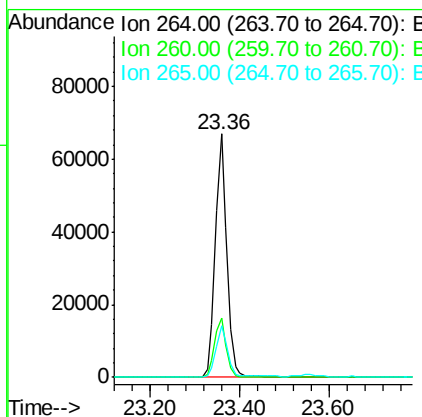
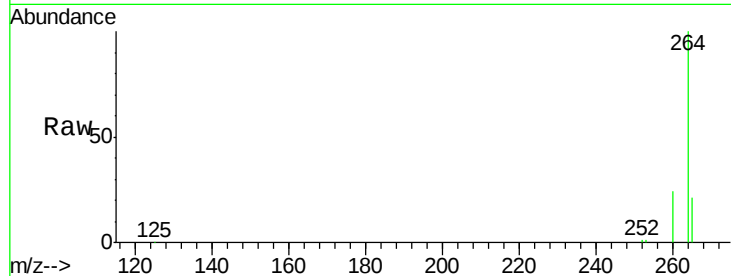




#25
 Perylene-d12
 Concen: 5.00 ng
 RT: 23.36 min Scan# 2082
 Delta R.T. 0.00 min
 Lab File: BM001048.D
 Acq: 18 Apr 2015 06:50

Tgt Ion: 264 Resp: 119218

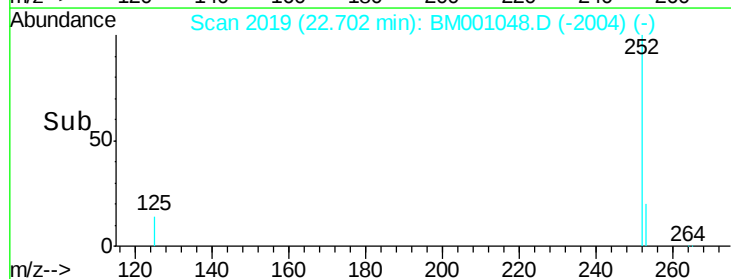
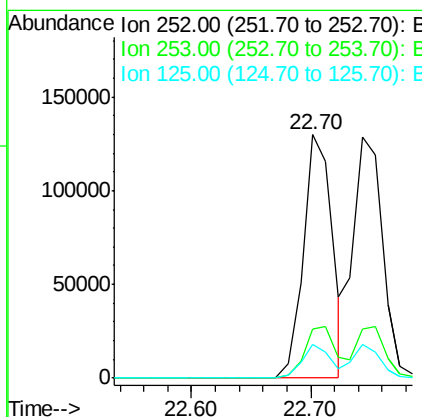
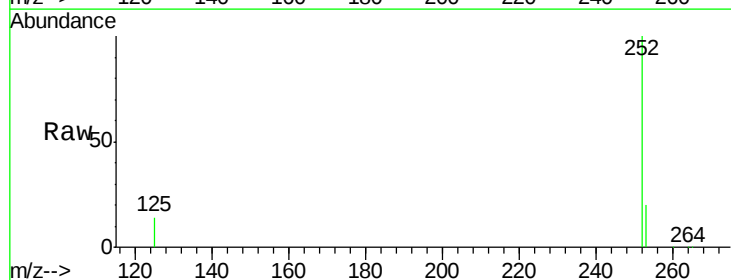
Ion	Ratio	Lower	Upper
264	100		
260	24.4	19.0	28.6
265	21.3	17.9	26.9

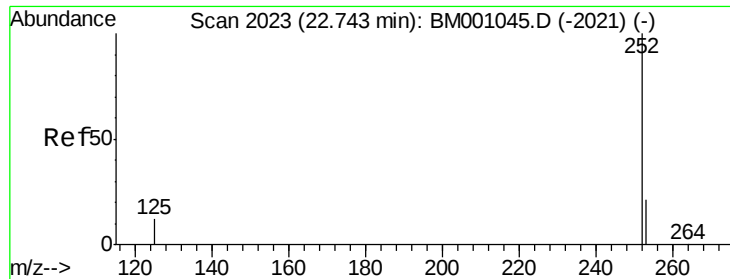


#26
 Benzo(b)fluoranthene
 Concen: 5.78 ng
 RT: 22.70 min Scan# 2019
 Delta R.T. 0.00 min
 Lab File: BM001048.D
 Acq: 18 Apr 2015 06:50

Tgt Ion: 252 Resp: 217159

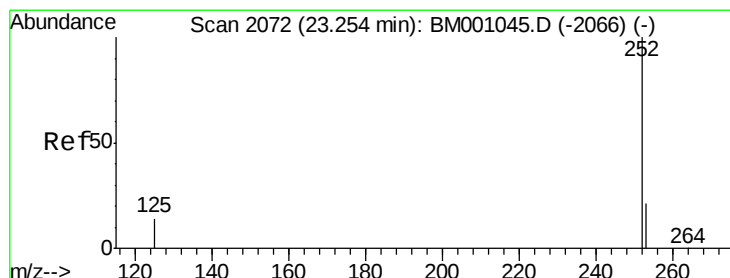
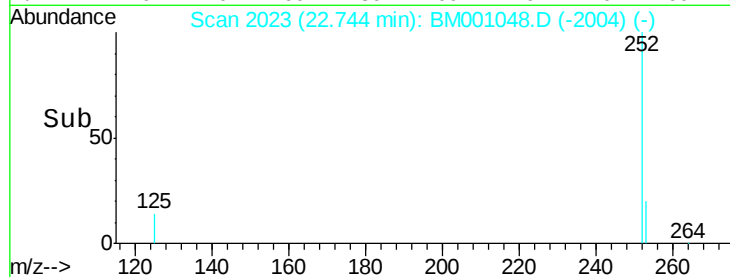
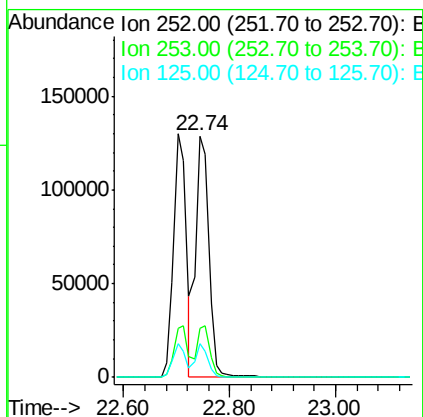
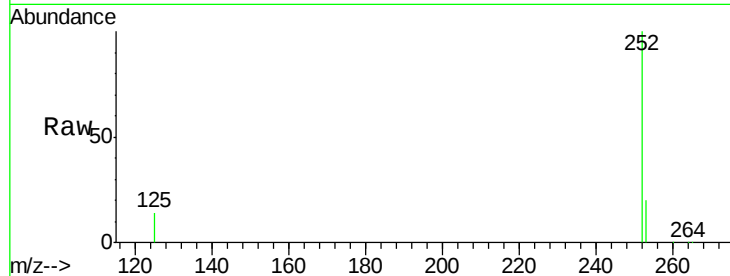
Ion	Ratio	Lower	Upper
252	100		
253	20.3	18.2	27.2
125	14.0	10.9	16.3





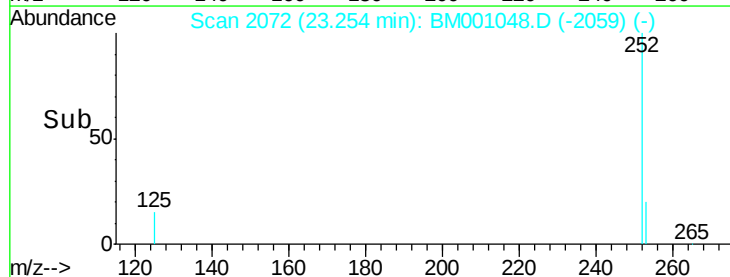
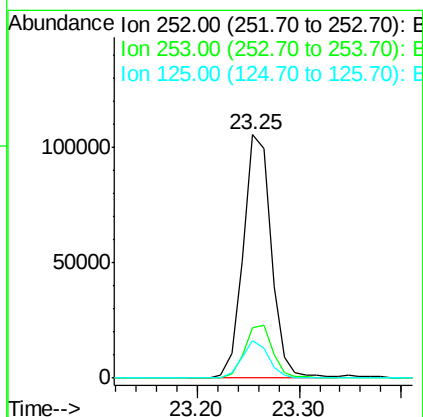
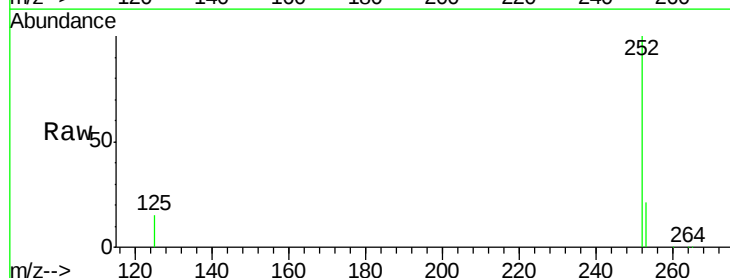
#27
Benzo(k)fluoranthene
Concen: 6.16 ng
RT: 22.74 min Scan# 2023
Delta R.T. 0.00 min
Lab File: BM001048.D
Acq: 18 Apr 2015 06:50

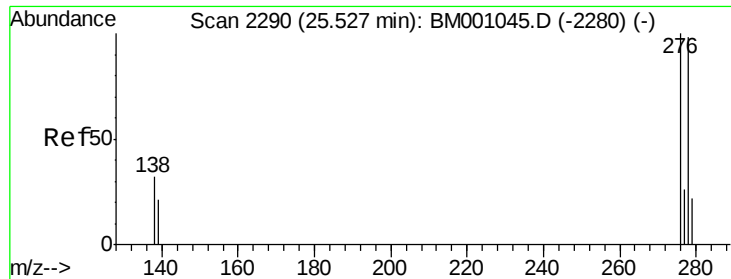
Tgt Ion: 252 Resp: 221759
Ion Ratio Lower Upper
252 100
253 20.1 18.3 27.5
125 13.8 10.6 15.8



#28
Benzo(a)pyrene
Concen: 6.22 ng
RT: 23.25 min Scan# 2072
Delta R.T. 0.00 min
Lab File: BM001048.D
Acq: 18 Apr 2015 06:50

Tgt Ion: 252 Resp: 200772
Ion Ratio Lower Upper
252 100
253 20.7 18.6 27.8
125 15.2 11.9 17.9

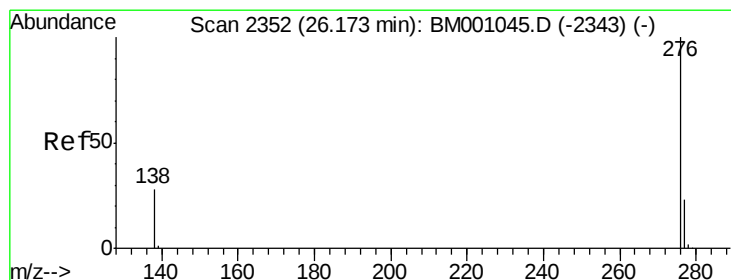
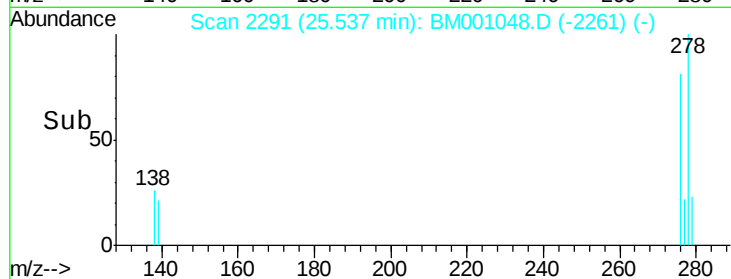
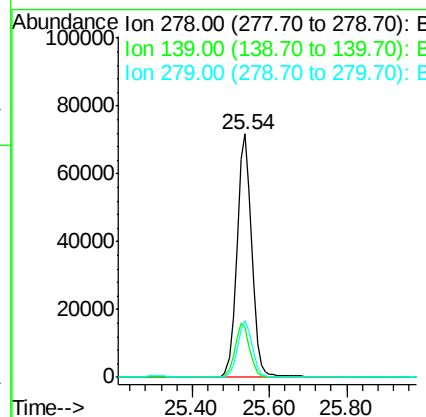
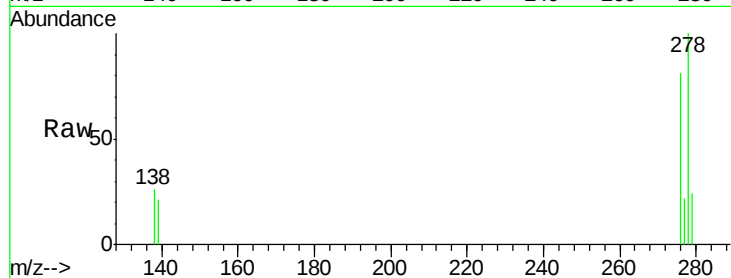




#29
Dibenzo(a,h)anthracene
Concen: 5.95 ng
RT: 25.54 min Scan# 2291
Delta R.T. 0.01 min
Lab File: BM001048.D
Acq: 18 Apr 2015 06:50

Tgt Ion: 278 Resp: 189303

Ion	Ratio	Lower	Upper
278	100		
139	20.7	18.2	27.2
279	23.5	19.1	28.7



#30
Benzo(g,h,i)perylene
Concen: 5.76 ng
RT: 26.18 min Scan# 2353
Delta R.T. 0.01 min
Lab File: BM001048.D
Acq: 18 Apr 2015 06:50

Tgt Ion: 276 Resp: 197679

Ion	Ratio	Lower	Upper
276	100		
277	23.5	19.0	28.4
138	28.2	23.4	35.2

