

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM041815\
 Data File : BM001045.D
 Acq On : 18 Apr 2015 00:31
 Operator : TP/IZ
 Sample : SSTDICCC001
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Quant Time: Apr 18 05:59:35 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	16095	5.00	ng	0.00
4) Naphthalene-d8	10.36	136	57730	5.00	ng	0.00
8) Acenaphthene-d10	14.24	164	30651	5.00	ng	0.00
13) Phenanthrene-d10	16.99	188	66981	5.00	ng	0.00
19) Chrysene-d12	21.19	240	58610	5.00	ng	0.00
25) Perylene-d12	23.36	264	52393	5.00	ng	0.00

System Monitoring Compounds

5) Nitrobenzene-d5	8.74	82	3031	1.05	ng	0.00
9) 2-Fluorobiphenyl	12.86	172	10081	1.06	ng	0.00
21) Terphenyl-d14	19.63	244	7788	1.09	ng	0.00

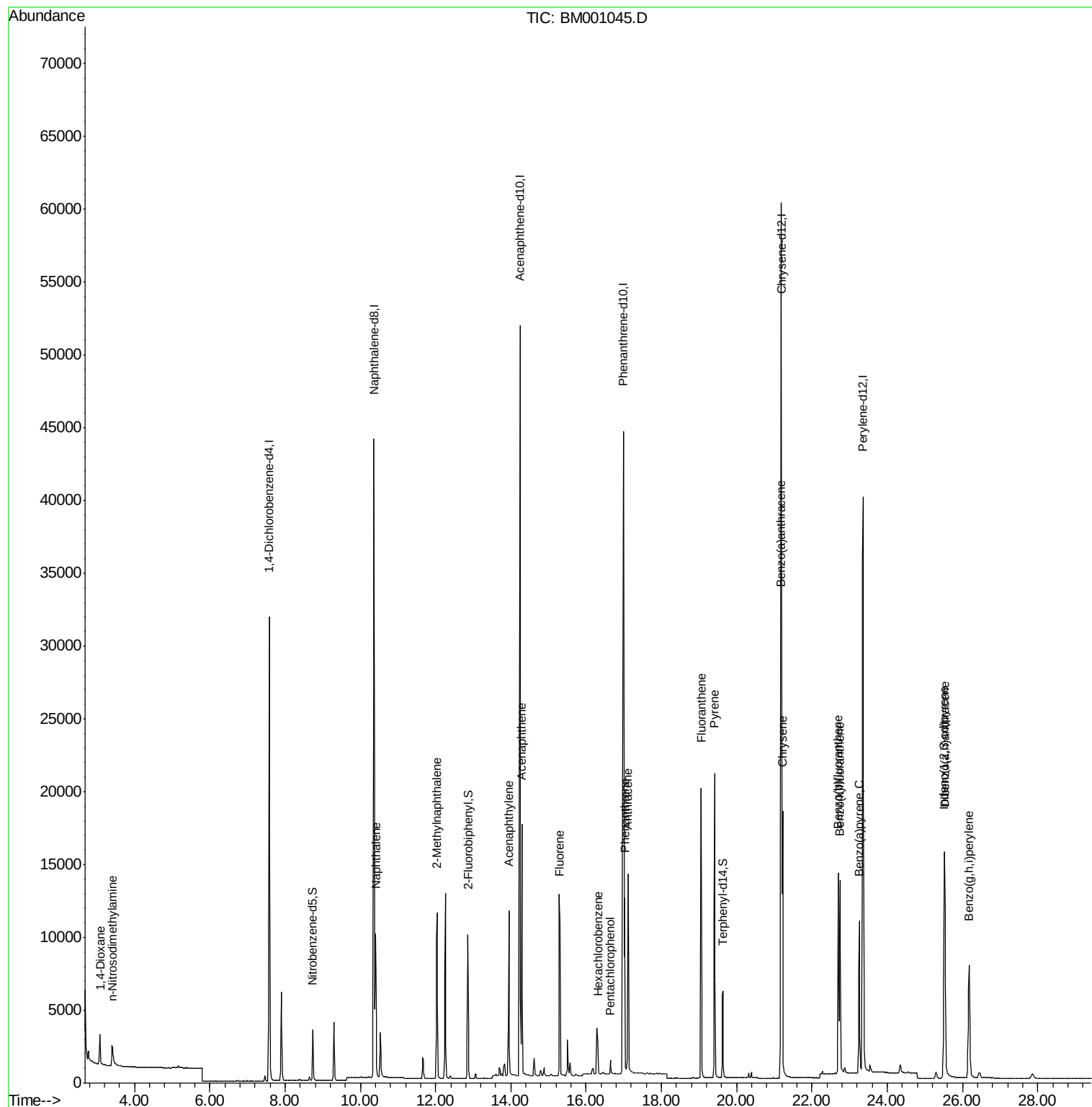
Target Compounds

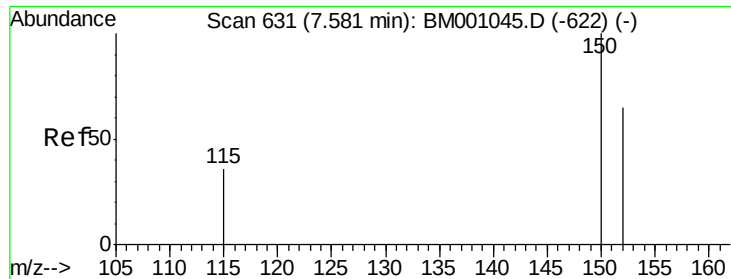
						Qvalue
2) 1,4-Dioxane	3.08	88	1849	1.36	ng	# 100
3) n-Nitrosodimethylamine	3.40	42	1683	1.12	ng	100
6) Naphthalene	10.41	128	13576	1.01	ng	100
7) 2-Methylnaphthalene	12.04	142	8872	1.04	ng	100
10) Acenaphthylene	13.95	152	13675	1.01	ng	100
11) Acenaphthene	14.29	154	9163	0.98	ng	100
12) Fluorene	15.30	166	10992	1.04	ng	100
14) Hexachlorobenzene	16.31	284	3614	0.93	ng	# 100
15) Pentachlorophenol	16.64	266	910	0.93	ng	100
16) Phenanthrene	17.03	178	17411	0.96	ng	100
17) Anthracene	17.11	178	16455	1.06	ng	100
18) Fluoranthene	19.05	202	18609	1.02	ng	100
20) Pyrene	19.42	202	19226	1.01	ng	100
22) Benzo(a)anthracene	21.17	228	16532	0.99	ng	100
23) Chrysene	21.22	228	17629	1.01	ng	100
24) Indeno(1,2,3-cd)pyrene	25.52	276	18080	1.00	ng	100
26) Benzo(b)fluoranthene	22.70	252	16774	1.02	ng	100
27) Benzo(k)fluoranthene	22.74	252	16168	1.02	ng	100
28) Benzo(a)pyrene	23.25	252	14385	1.01	ng	100
29) Dibenzo(a,h)anthracene	25.53	278	14254	1.02	ng	100
30) Benzo(g,h,i)perylene	26.17	276	15210	1.01	ng	100

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

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM041815\
Data File : BM001045.D
Acq On : 18 Apr 2015 00:31
Operator : TP/IZ
Sample : SSTDICCC001
Misc :
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Apr 18 05:59:35 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





#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 7.58 min Scan# 631

Delta R.T. 0.00 min

Lab File: BM001045.D

Acq: 18 Apr 2015 00:31

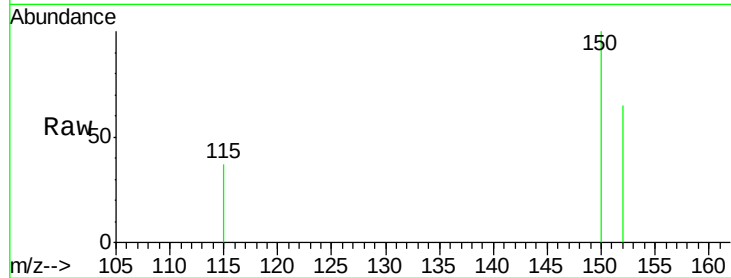
Tgt Ion: 152 Resp: 16095

Ion Ratio Lower Upper

152 100

150 154.1 123.3 184.9

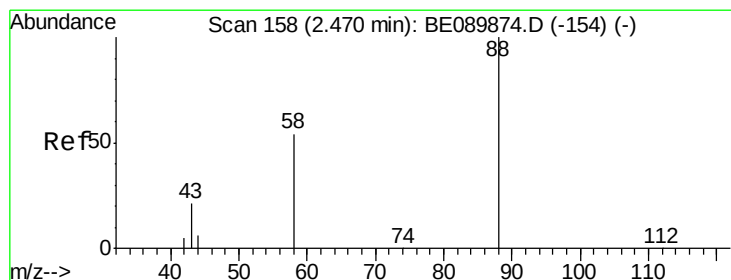
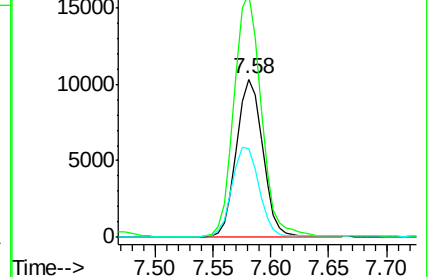
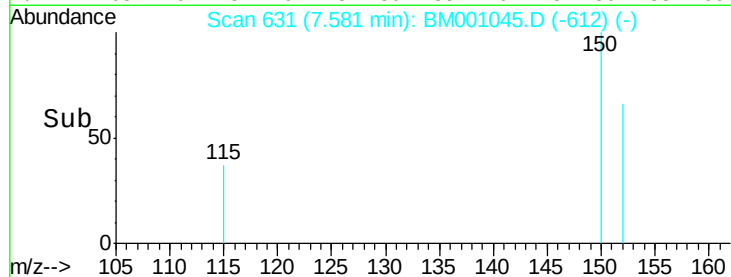
115 56.3 45.0 67.6



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: 1.36 ng

RT: 3.08 min Scan# 39

Delta R.T. 0.00 min

Lab File: BM001045.D

Acq: 18 Apr 2015 00:31

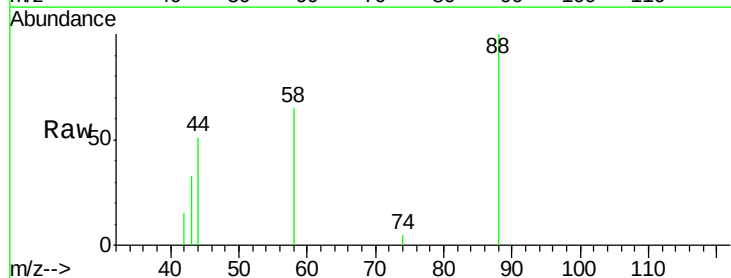
Tgt Ion: 88 Resp: 1849

Ion Ratio Lower Upper

88 100

58 67.4 0.0 0.0#

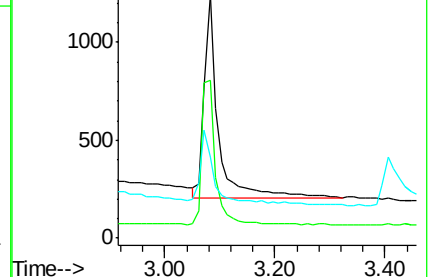
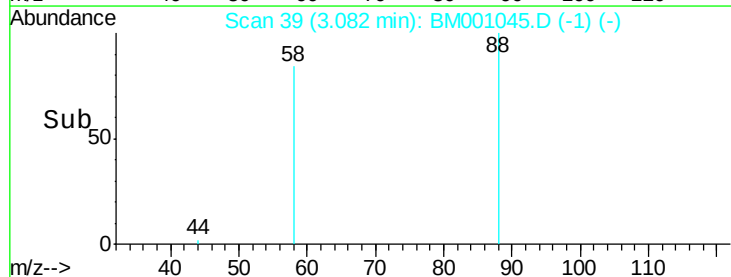
43 31.5 0.0 0.0#

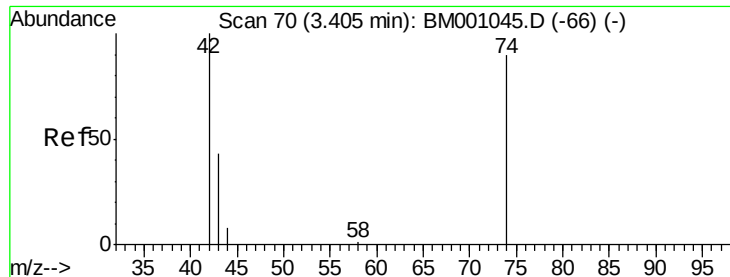


Abundance Ion 88.00 (87.70 to 88.70): BM0

Ion 58.00 (57.70 to 58.70): BM0

Ion 43.00 (42.70 to 43.70): BM0





#3

n-Nitrosodimethylamine

Concen: 1.12 ng

RT: 3.40 min Scan# 70

Delta R.T. 0.00 min

Lab File: BM001045.D

Acq: 18 Apr 2015 00:31

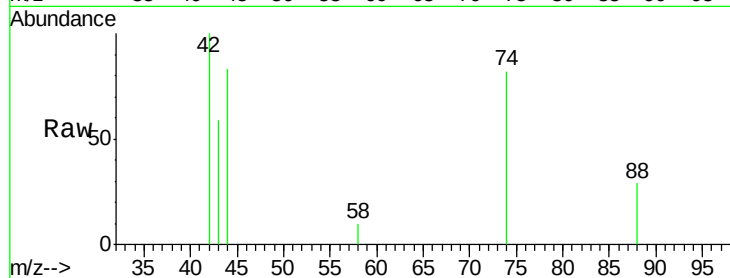
Tgt Ion: 42 Resp: 1683

Ion Ratio Lower Upper

42 100

74 115.1 92.1 138.1

44 7.2 5.8 8.6

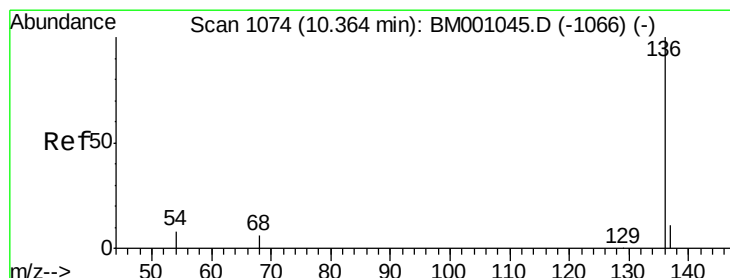
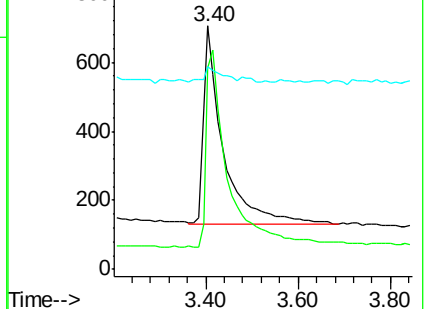
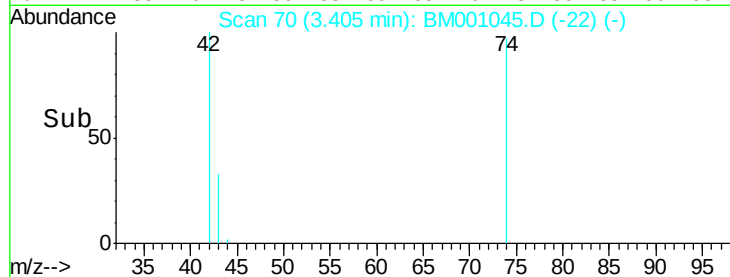


Abundance Ion 42.00 (41.70 to 42.70): BM001045.D (-66) (-)

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

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

Time-->



#4

Naphthalene-d8

Concen: 5.00 ng

RT: 10.36 min Scan# 1074

Delta R.T. 0.00 min

Lab File: BM001045.D

Acq: 18 Apr 2015 00:31

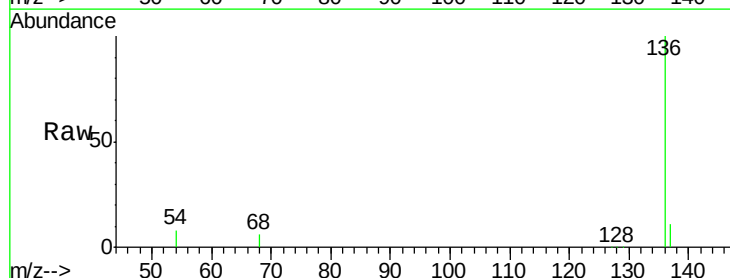
Tgt Ion: 136 Resp: 57730

Ion Ratio Lower Upper

136 100

137 10.8 8.6 13.0

54 8.1 6.5 9.7

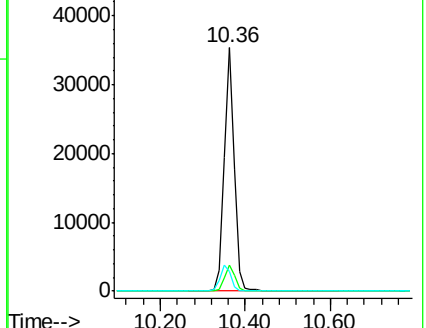
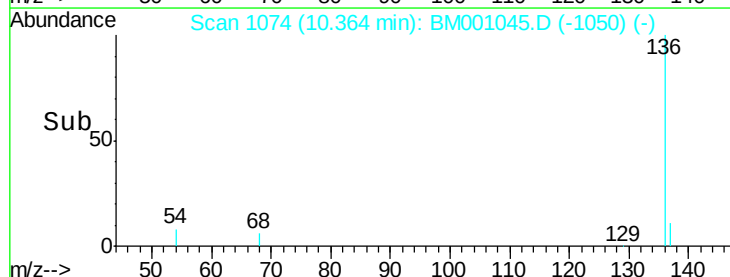


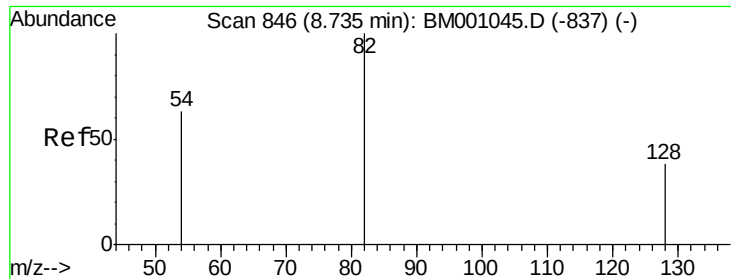
Abundance Ion 136.00 (135.70 to 136.70): BM001045.D (-1066) (-)

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

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

Time-->





#5

Nitrobenzene-d5

Concen: 1.05 ng

RT: 8.74 min Scan# 846

Delta R.T. 0.00 min

Lab File: BM001045.D

Acq: 18 Apr 2015 00:31

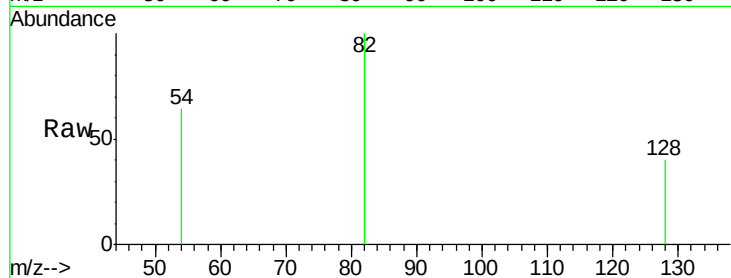
Tgt Ion: 82 Resp: 3031

Ion Ratio Lower Upper

82 100

128 39.9 31.9 47.9

54 64.1 51.3 76.9

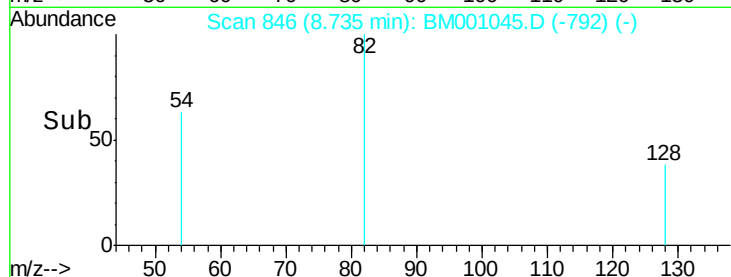


Abundance Ion 82.00 (81.70 to 82.70): BM001045.D (-837) (-)

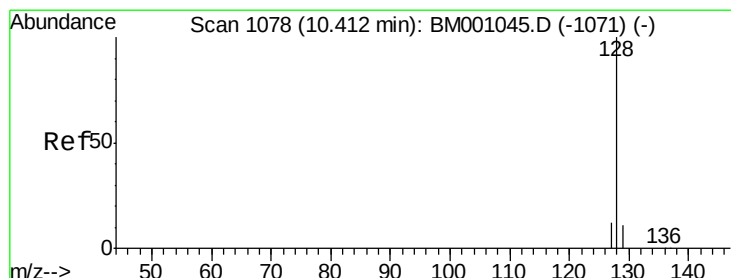
Ion 128.00 (127.70 to 128.70): BM001045.D (-837) (-)

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

Time-->



Time-->



#6

Naphthalene

Concen: 1.01 ng

RT: 10.41 min Scan# 1078

Delta R.T. 0.00 min

Lab File: BM001045.D

Acq: 18 Apr 2015 00:31

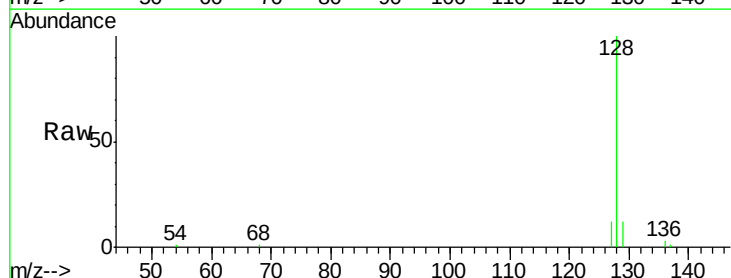
Tgt Ion: 128 Resp: 13576

Ion Ratio Lower Upper

128 100

129 11.6 9.3 13.9

127 12.5 10.0 15.0

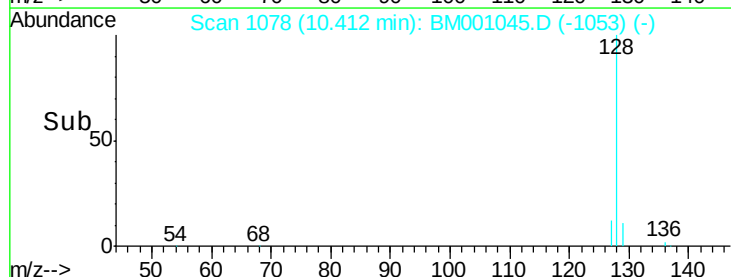


Abundance Ion 128.00 (127.70 to 128.70): BM001045.D (-1071) (-)

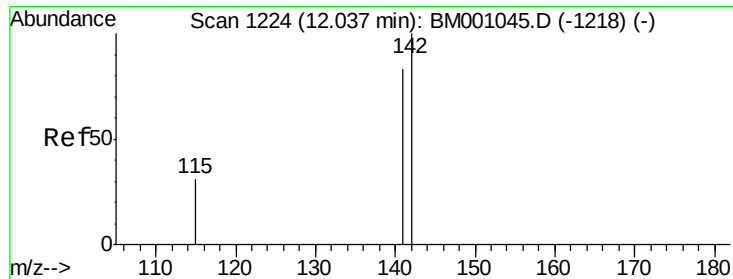
Ion 129.00 (128.70 to 129.70): BM001045.D (-1071) (-)

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

Time-->



Time-->



#7

2-Methylnaphthalene

Concen: 1.04 ng

RT: 12.04 min Scan# 1224

Delta R.T. 0.00 min

Lab File: BM001045.D

Acq: 18 Apr 2015 00:31

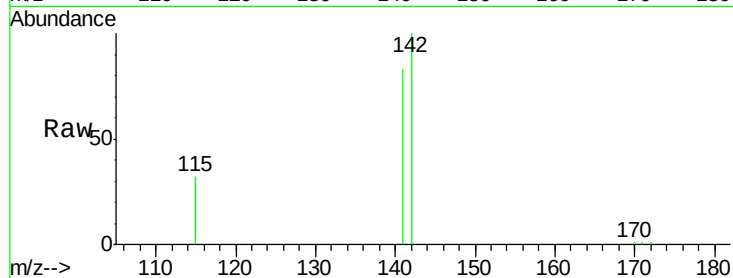
Tgt Ion:142 Resp: 8872

Ion Ratio Lower Upper

142 100

141 83.4 66.7 100.1

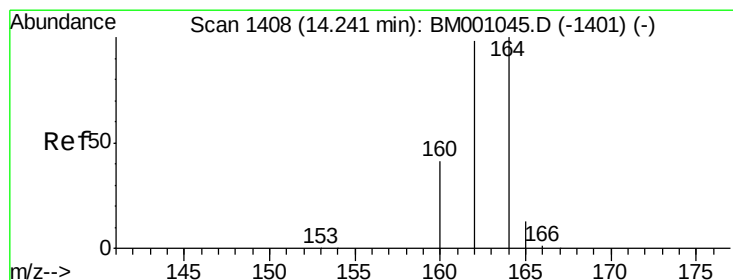
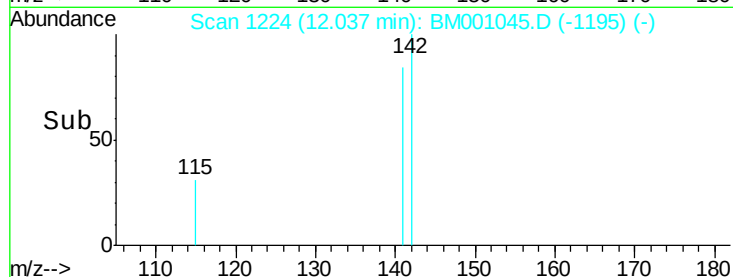
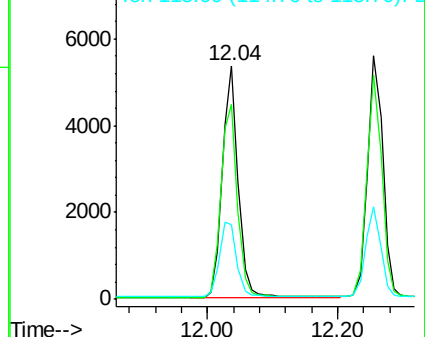
115 31.9 25.5 38.3



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: BM001045.D

Acq: 18 Apr 2015 00:31

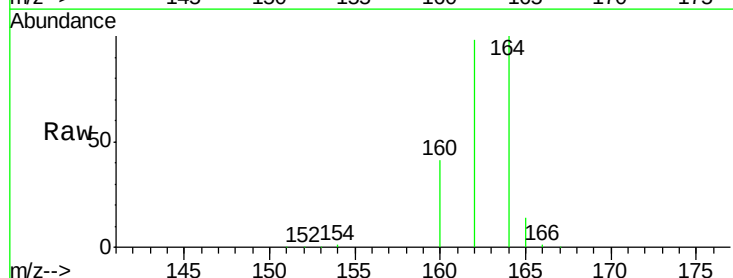
Tgt Ion:164 Resp: 30651

Ion Ratio Lower Upper

164 100

162 98.1 78.5 117.7

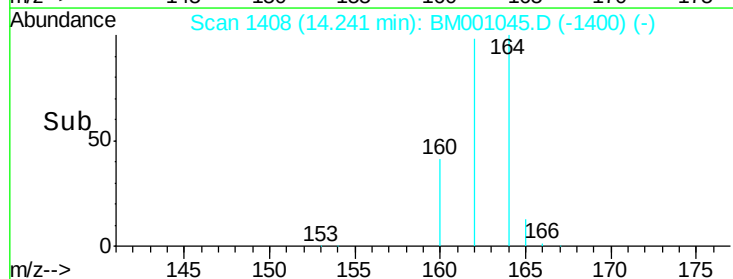
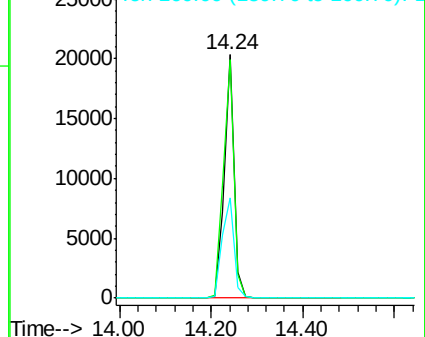
160 41.1 32.9 49.3

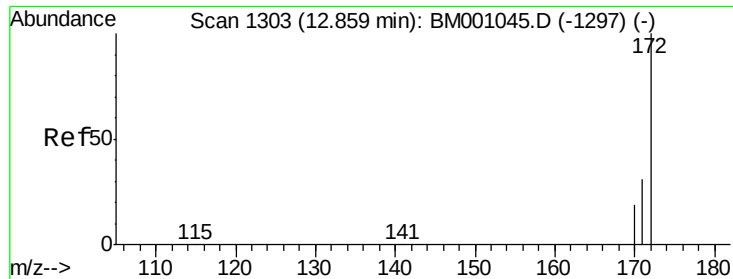


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

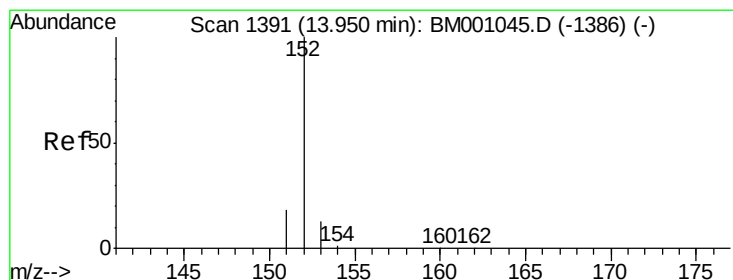
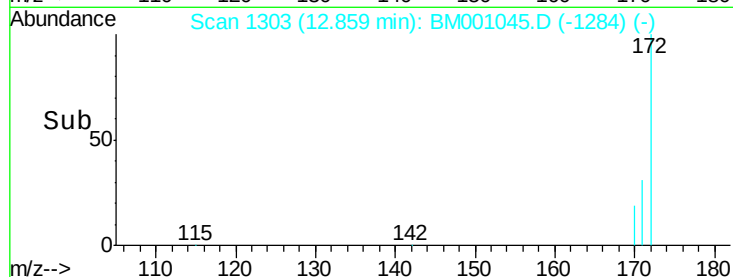
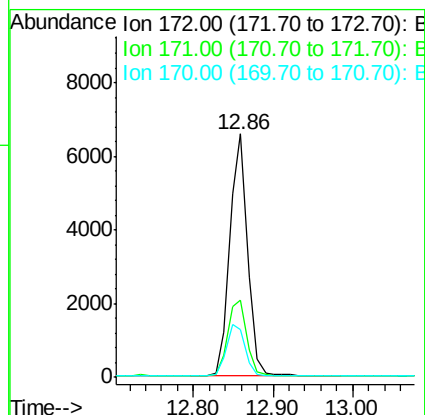
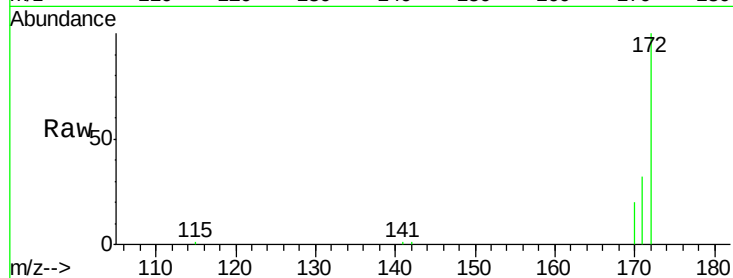
Ion 160.00 (159.70 to 160.70): E





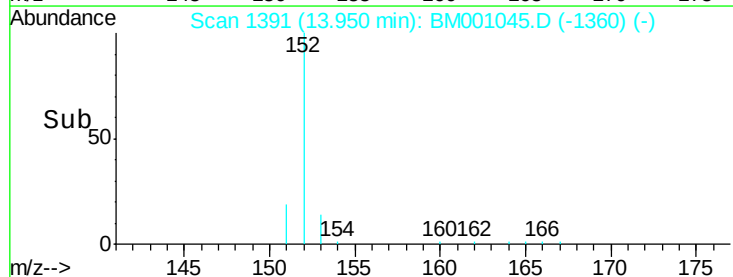
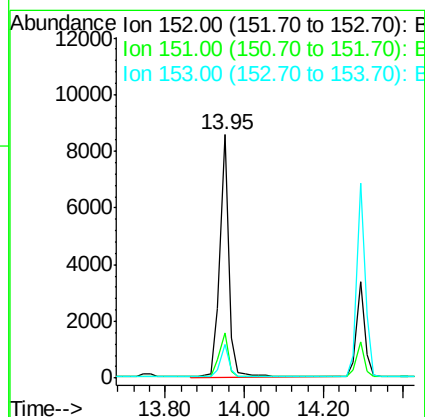
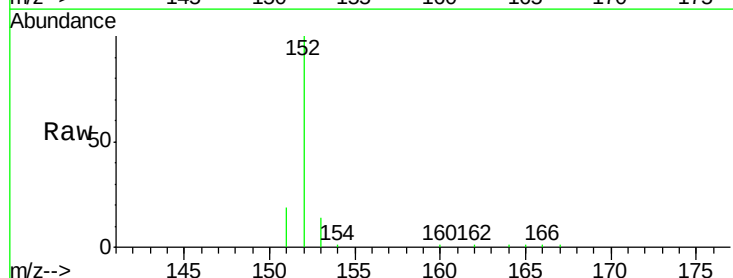
#9
2-Fluorobiphenyl
Concen: 1.06 ng
RT: 12.86 min Scan# 1303
Delta R.T. 0.00 min
Lab File: BM001045.D
Acq: 18 Apr 2015 00:31

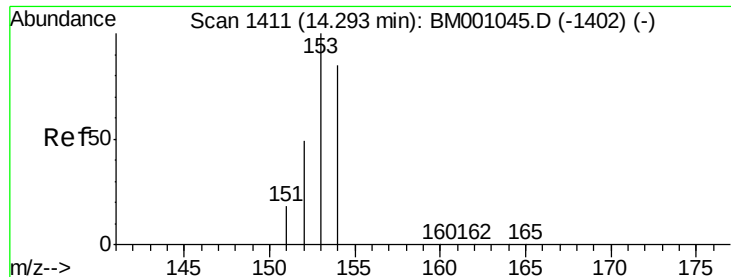
Tgt Ion:172 Resp: 10081
Ion Ratio Lower Upper
172 100
171 32.0 25.6 38.4
170 19.7 15.8 23.6



#10
Acenaphthylene
Concen: 1.01 ng
RT: 13.95 min Scan# 1391
Delta R.T. 0.00 min
Lab File: BM001045.D
Acq: 18 Apr 2015 00:31

Tgt Ion:152 Resp: 13675
Ion Ratio Lower Upper
152 100
151 18.4 14.7 22.1
153 12.7 10.2 15.2





#11

Acenaphthene

Concen: 0.98 ng

RT: 14.29 min Scan# 1411

Delta R.T. 0.00 min

Lab File: BM001045.D

Acq: 18 Apr 2015 00:31

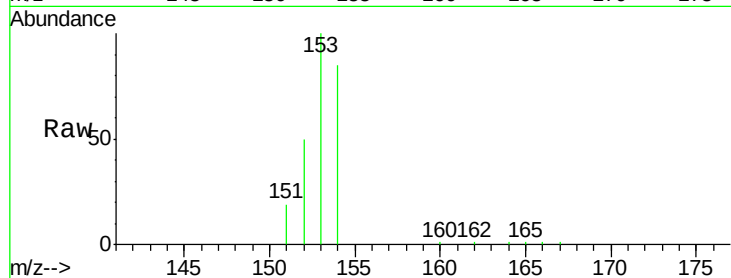
Tgt Ion:154 Resp: 9163

Ion Ratio Lower Upper

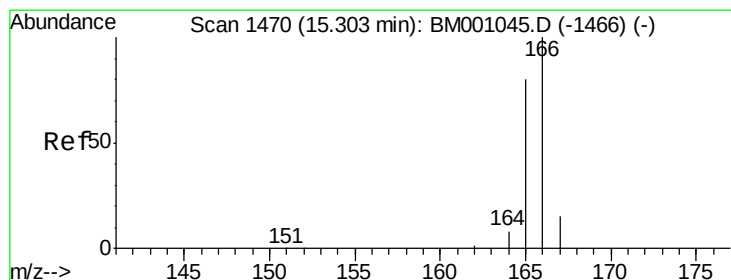
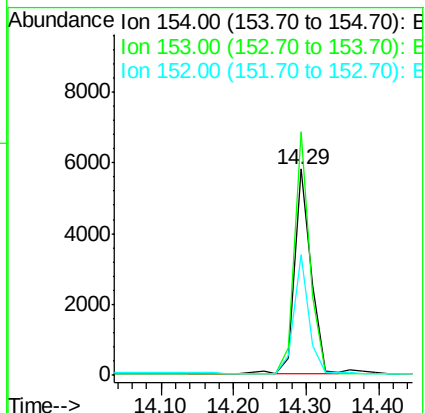
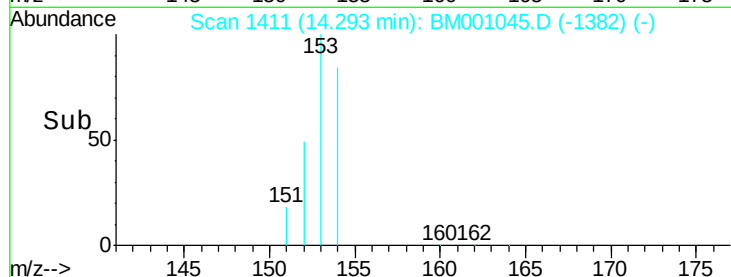
154 100

153 110.1 88.1 132.1

152 52.9 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



#12

Fluorene

Concen: 1.04 ng

RT: 15.30 min Scan# 1470

Delta R.T. 0.00 min

Lab File: BM001045.D

Acq: 18 Apr 2015 00:31

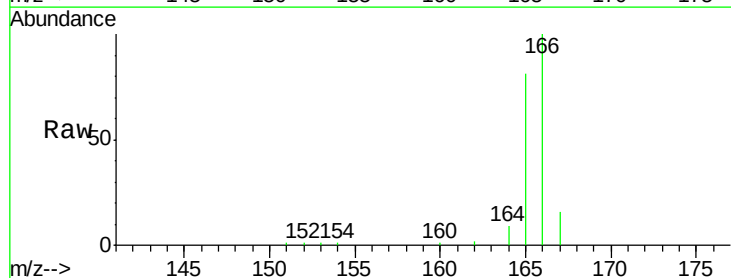
Tgt Ion:166 Resp: 10992

Ion Ratio Lower Upper

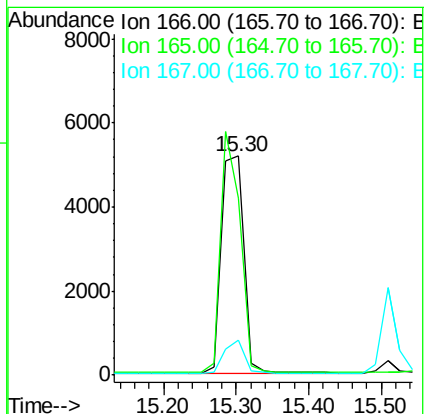
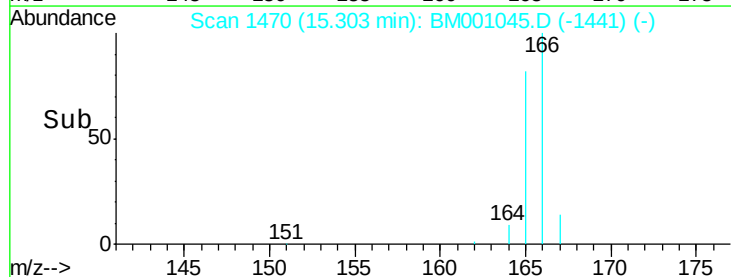
166 100

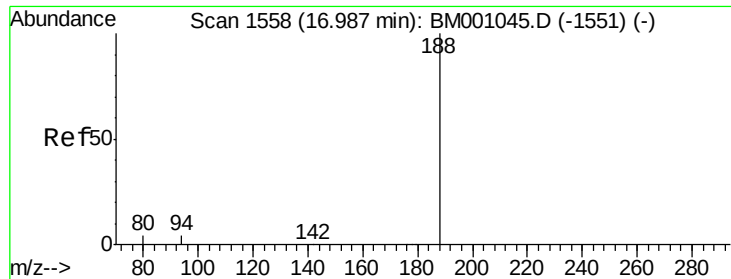
165 97.0 77.6 116.4

167 13.3 10.6 16.0



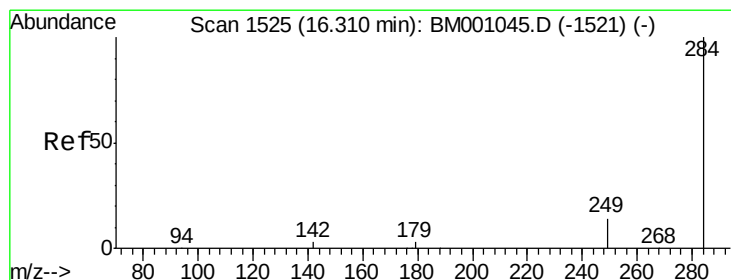
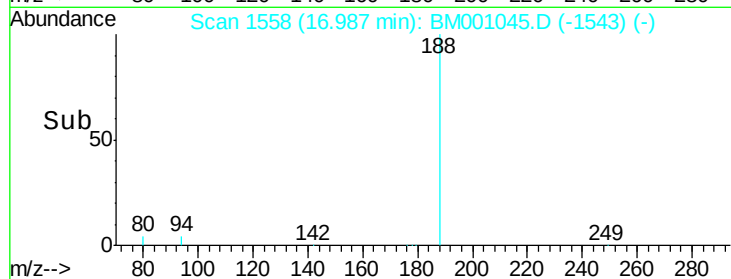
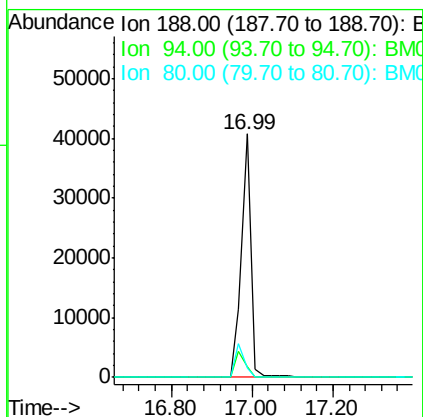
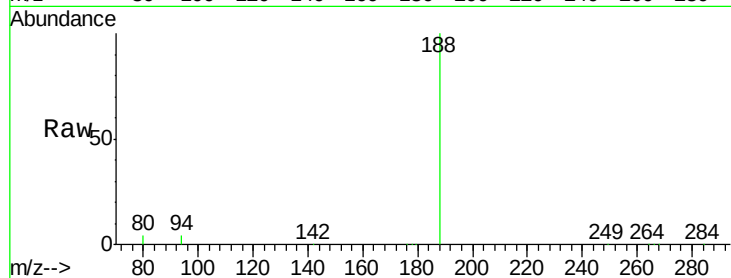
Abundance Ion 166.00 (165.70 to 166.70): E
Ion 165.00 (164.70 to 165.70): E
Ion 167.00 (166.70 to 167.70): E





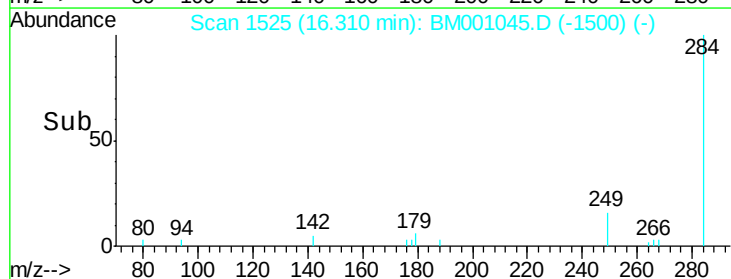
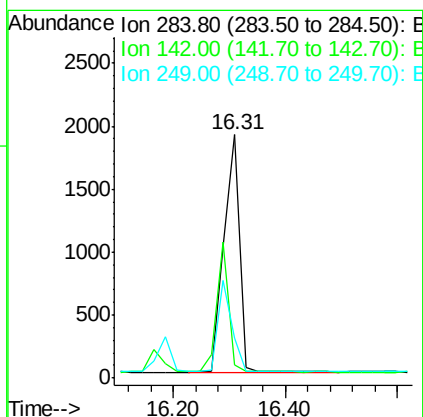
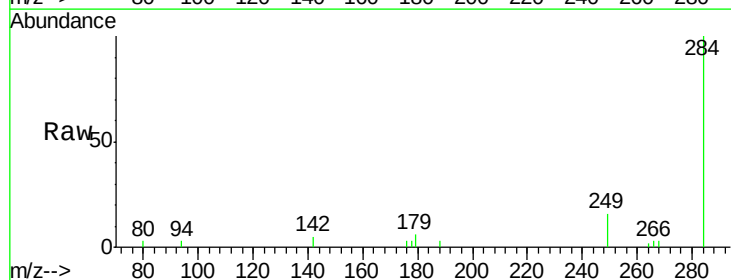
#13
Phenanthrene-d10
Concen: 5.00 ng
RT: 16.99 min Scan# 1558
Delta R.T. 0.00 min
Lab File: BM001045.D
Acq: 18 Apr 2015 00:31

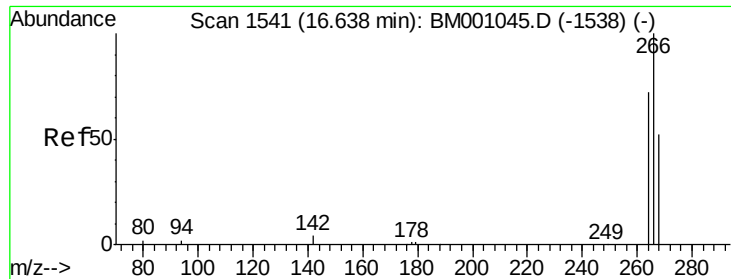
Tgt Ion:188 Resp: 66981
Ion Ratio Lower Upper
188 100
94 4.5 3.6 5.4
80 3.8 3.0 4.6



#14
Hexachlorobenzene
Concen: 0.93 ng
RT: 16.31 min Scan# 1525
Delta R.T. 0.00 min
Lab File: BM001045.D
Acq: 18 Apr 2015 00:31

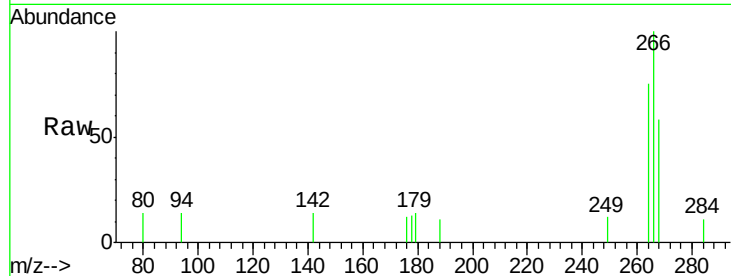
Tgt Ion:284 Resp: 3614
Ion Ratio Lower Upper
284 100
142 0.0 0.0 0.0
249 0.0 0.0 0.0



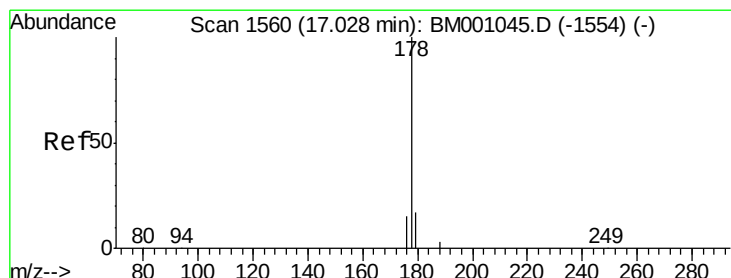
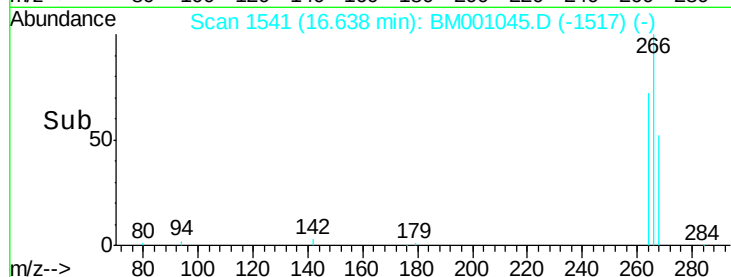
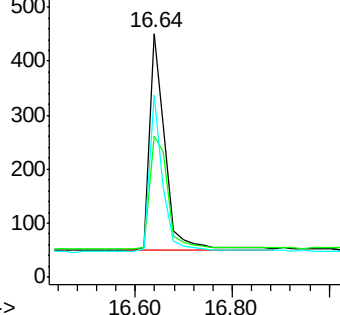


#15
 Pentachlorophenol
 Concen: 0.93 ng
 RT: 16.64 min Scan# 1541
 Delta R.T. 0.00 min
 Lab File: BM001045.D
 Acq: 18 Apr 2015 00:31

Tgt Ion	Ratio	Lower	Upper
266	100		
268	57.9	46.3	69.5
264	74.7	59.8	89.6

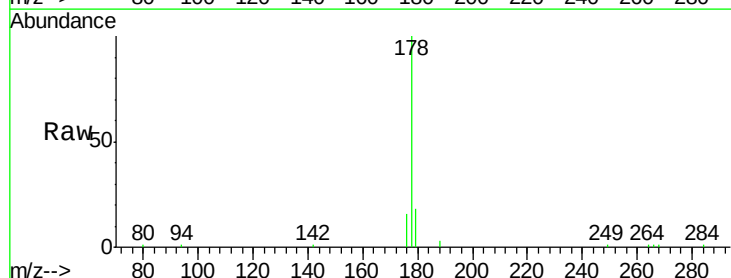


Abundance Ion 265.70 (265.40 to 266.40): E
 Ion 268.00 (267.70 to 268.70): E
 Ion 264.00 (263.70 to 264.70): E

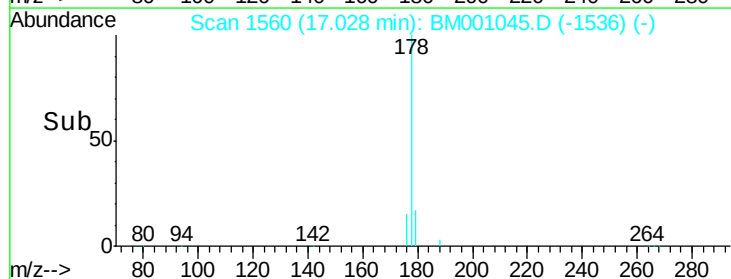
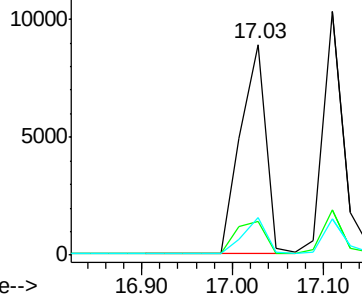


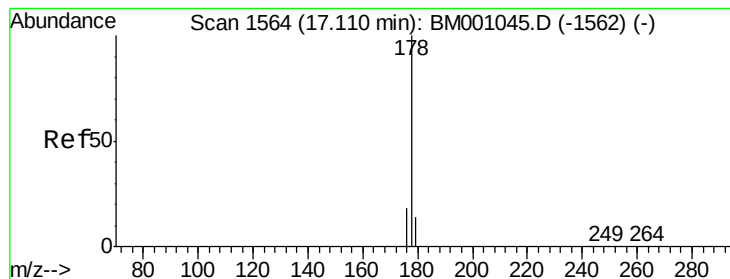
#16
 Phenanthrene
 Concen: 0.96 ng
 RT: 17.03 min Scan# 1560
 Delta R.T. 0.00 min
 Lab File: BM001045.D
 Acq: 18 Apr 2015 00:31

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.3	14.6	22.0
179	15.8	12.6	19.0



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





#17

Anthracene

Concen: 1.06 ng

RT: 17.11 min Scan# 1564

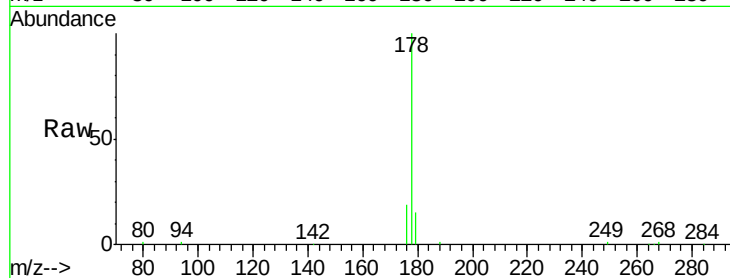
Delta R.T. 0.00 min

Lab File: BM001045.D

Acq: 18 Apr 2015 00:31

Tgt Ion:178 Resp: 16455

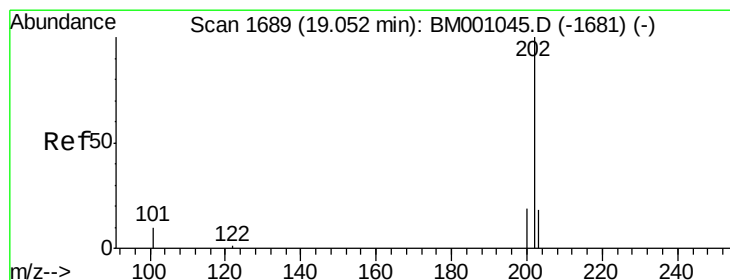
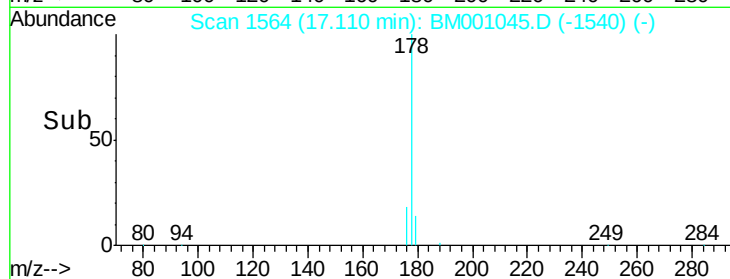
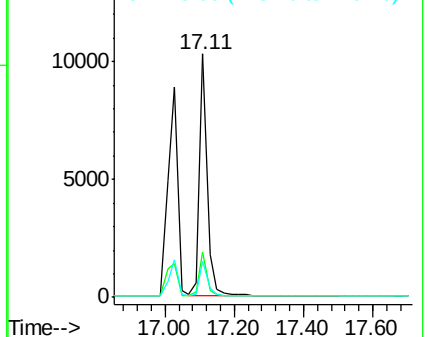
Ion	Ratio	Lower	Upper
178	100		
176	17.9	14.3	21.5
179	14.8	11.8	17.8



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: 1.02 ng

RT: 19.05 min Scan# 1689

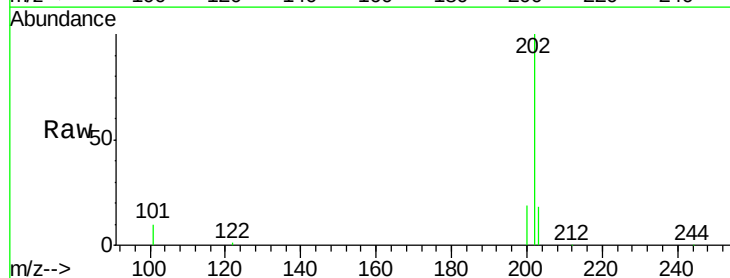
Delta R.T. 0.00 min

Lab File: BM001045.D

Acq: 18 Apr 2015 00:31

Tgt Ion:202 Resp: 18609

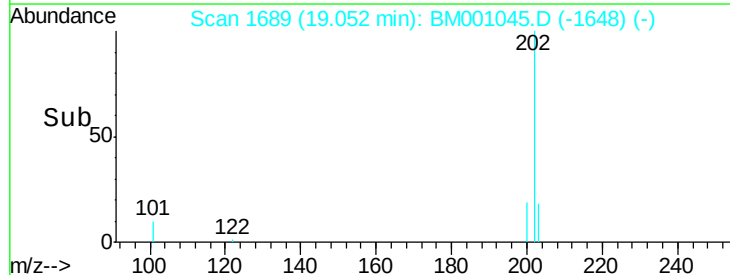
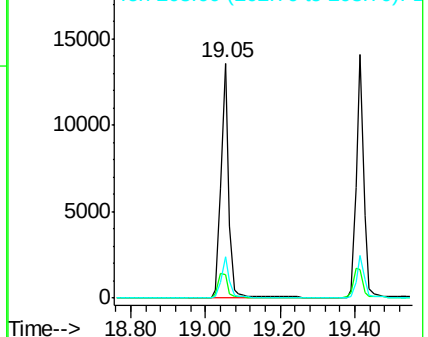
Ion	Ratio	Lower	Upper
202	100		
101	12.6	10.1	15.1
203	17.3	13.8	20.8

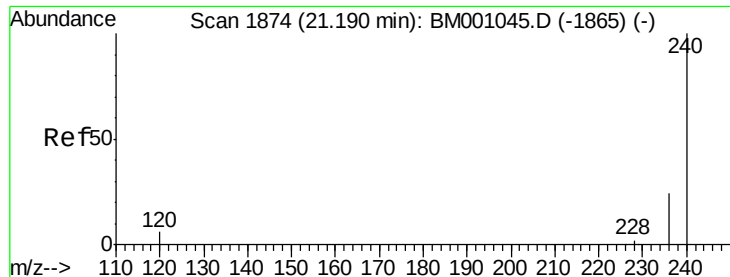


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

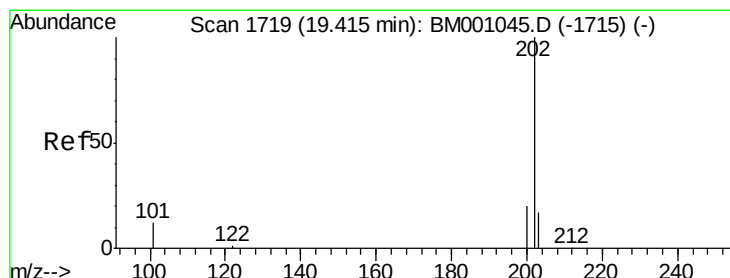
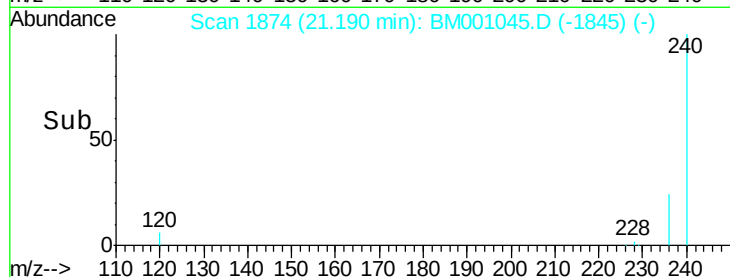
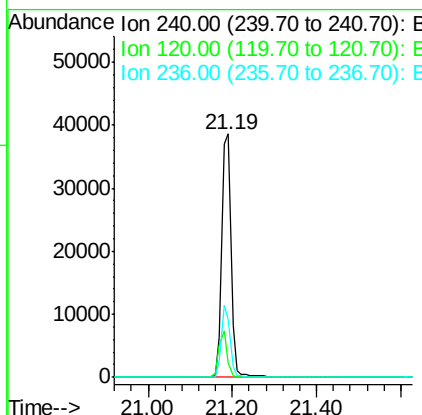
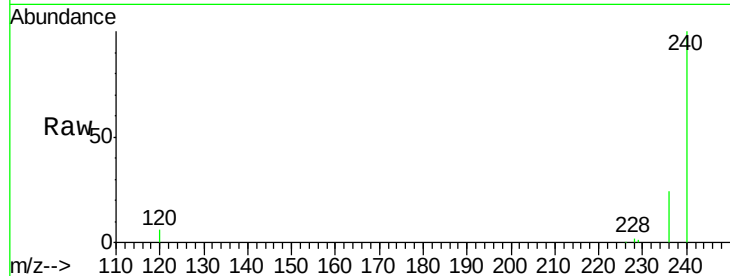
Ion 203.00 (202.70 to 203.70): E





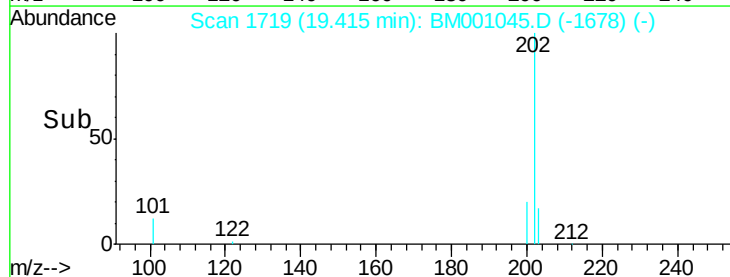
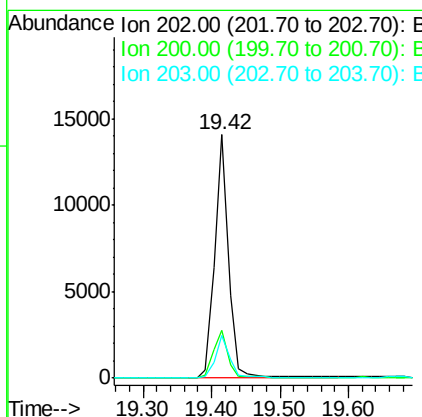
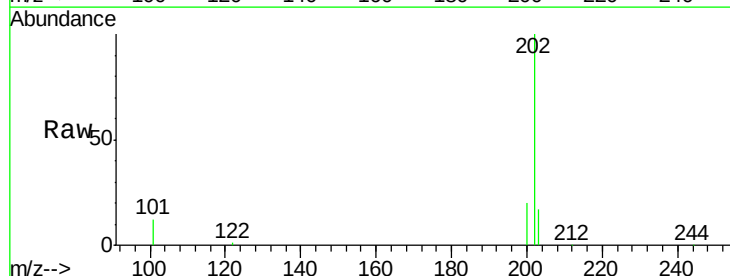
#19
Chrysene-d12
Concen: 5.00 ng
RT: 21.19 min Scan# 1874
Delta R.T. 0.00 min
Lab File: BM001045.D
Acq: 18 Apr 2015 00:31

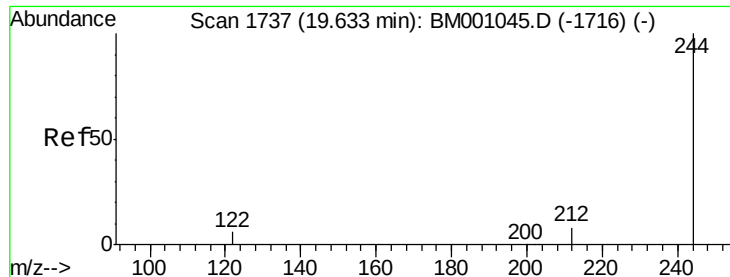
Tgt Ion: 240 Resp: 58610
Ion Ratio Lower Upper
240 100
120 5.7 4.6 6.8
236 23.9 19.1 28.7



#20
Pyrene
Concen: 1.01 ng
RT: 19.42 min Scan# 1719
Delta R.T. 0.00 min
Lab File: BM001045.D
Acq: 18 Apr 2015 00:31

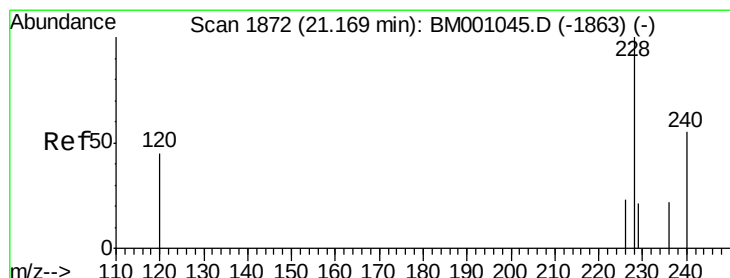
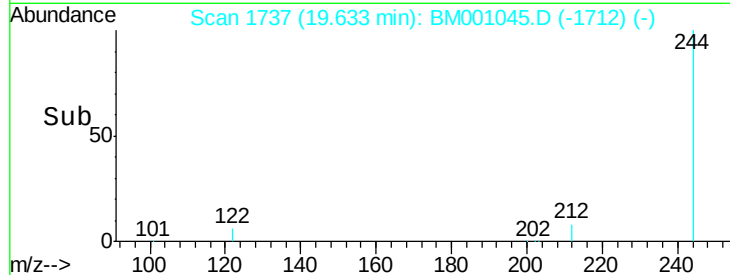
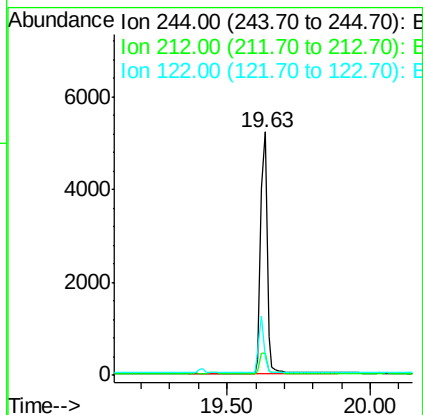
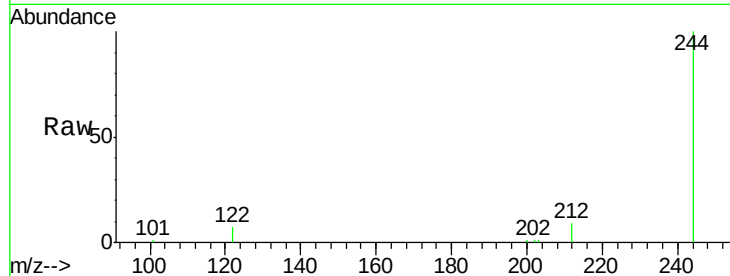
Tgt Ion: 202 Resp: 19226
Ion Ratio Lower Upper
202 100
200 20.4 16.3 24.5
203 17.2 13.8 20.6





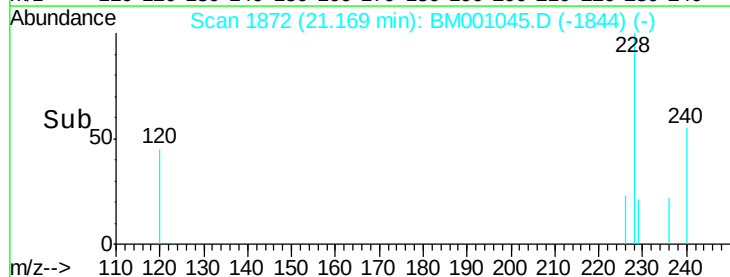
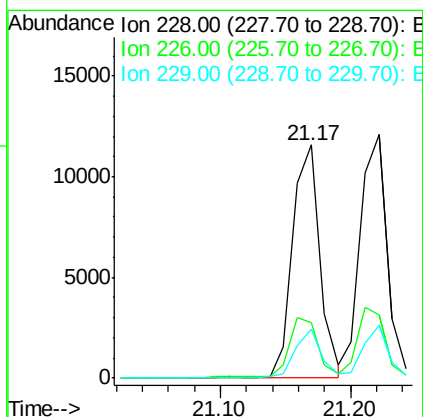
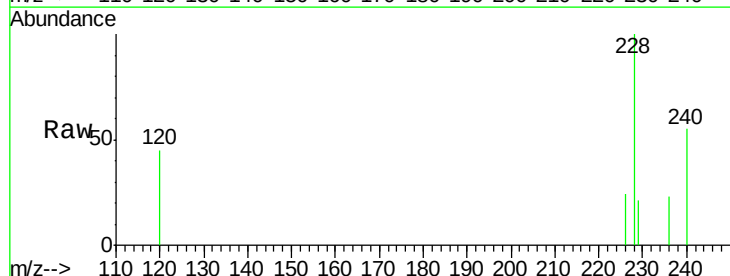
#21
 Terphenyl-d14
 Concen: 1.09 ng
 RT: 19.63 min Scan# 1737
 Delta R.T. 0.00 min
 Lab File: BM001045.D
 Acq: 18 Apr 2015 00:31

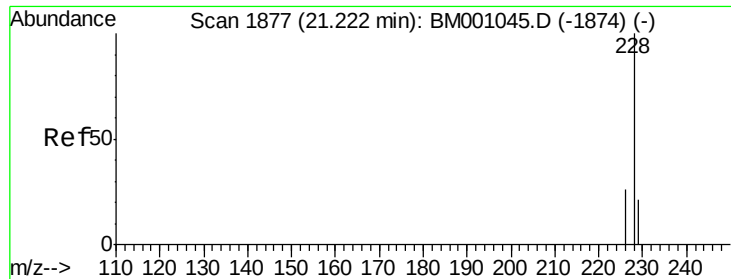
Tgt Ion: 244 Resp: 7788
 Ion Ratio Lower Upper
 244 100
 212 8.9 7.1 10.7
 122 7.4 5.9 8.9



#22
 Benzo(a)anthracene
 Concen: 0.99 ng
 RT: 21.17 min Scan# 1872
 Delta R.T. 0.00 min
 Lab File: BM001045.D
 Acq: 18 Apr 2015 00:31

Tgt Ion: 228 Resp: 16532
 Ion Ratio Lower Upper
 228 100
 226 23.8 19.0 28.6
 229 21.0 16.8 25.2

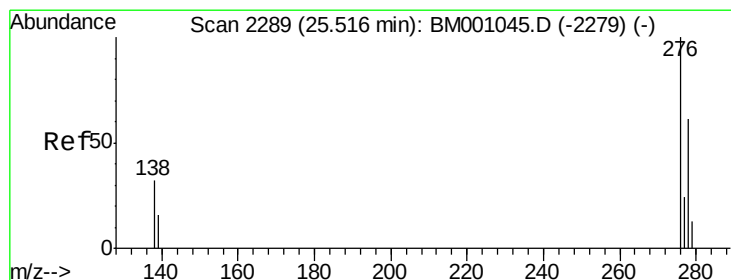
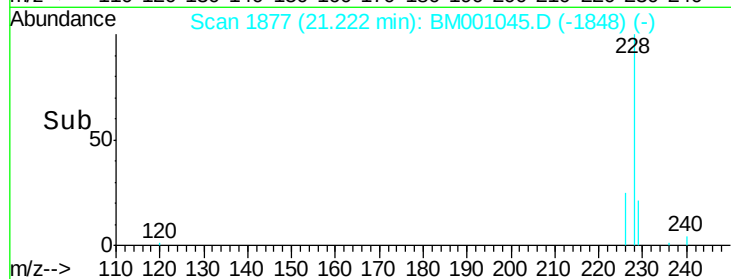
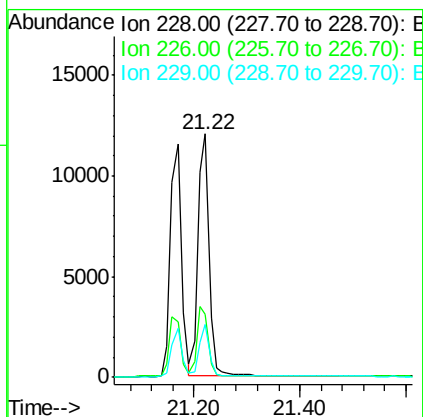
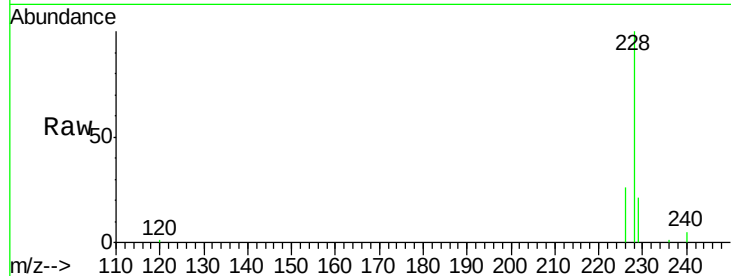




#23
 Chrysene
 Concen: 1.01 ng
 RT: 21.22 min Scan# 1877
 Delta R.T. 0.00 min
 Lab File: BM001045.D
 Acq: 18 Apr 2015 00:31

Tgt Ion: 228 Resp: 17629

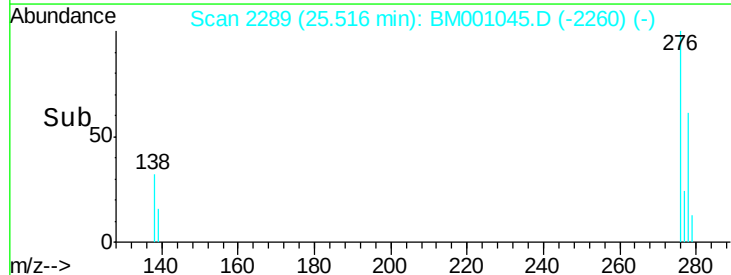
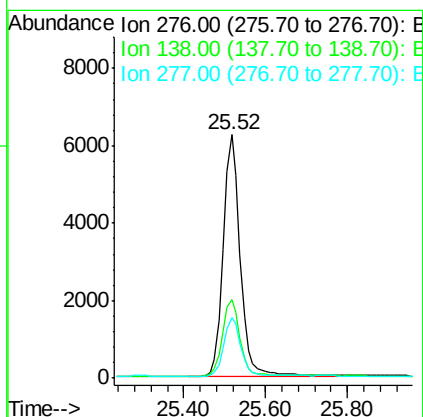
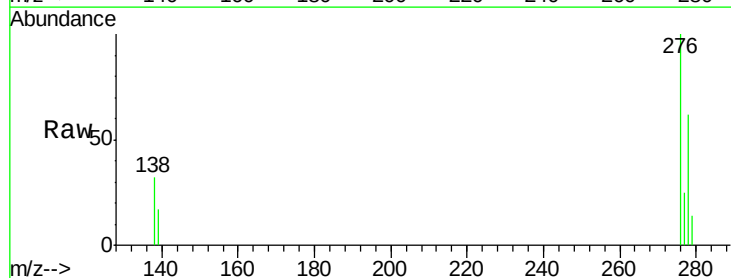
Ion	Ratio	Lower	Upper
228	100		
226	25.8	20.6	31.0
229	21.5	17.2	25.8

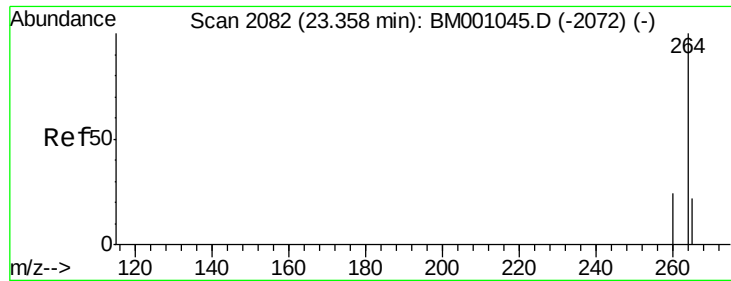


#24
 Indeno(1,2,3-cd)pyrene
 Concen: 1.00 ng
 RT: 25.52 min Scan# 2289
 Delta R.T. 0.00 min
 Lab File: BM001045.D
 Acq: 18 Apr 2015 00:31

Tgt Ion: 276 Resp: 18080

Ion	Ratio	Lower	Upper
276	100		
138	33.0	26.3	39.5
277	24.4	19.5	29.3

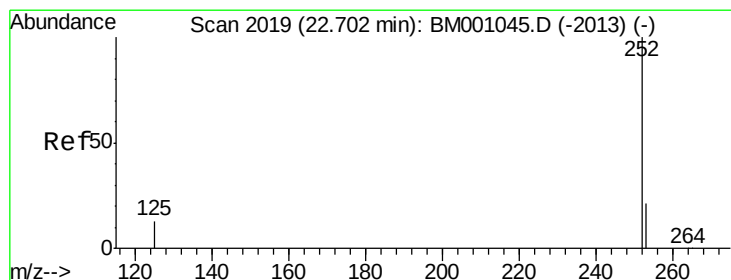
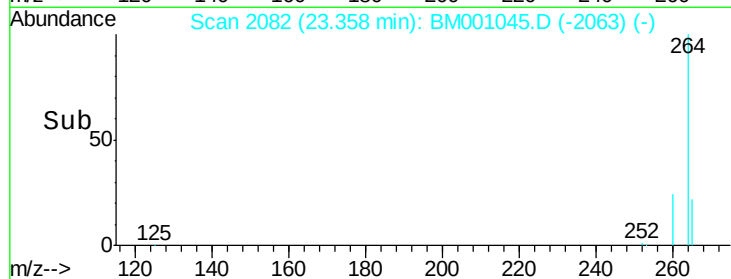
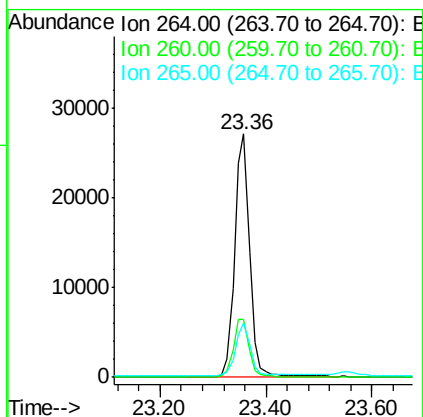
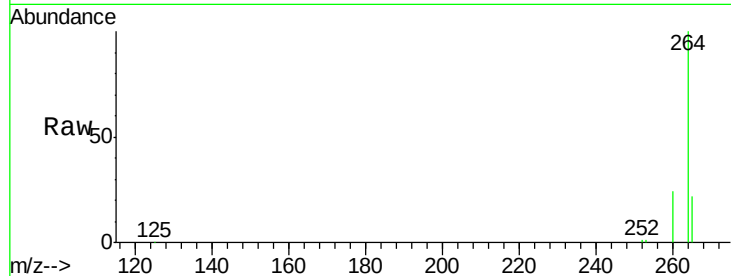




#25
 Perylene-d12
 Concen: 5.00 ng
 RT: 23.36 min Scan# 2082
 Delta R.T. 0.00 min
 Lab File: BM001045.D
 Acq: 18 Apr 2015 00:31

Tgt Ion: 264 Resp: 52393

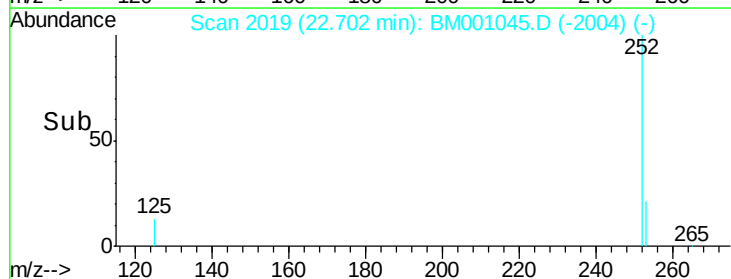
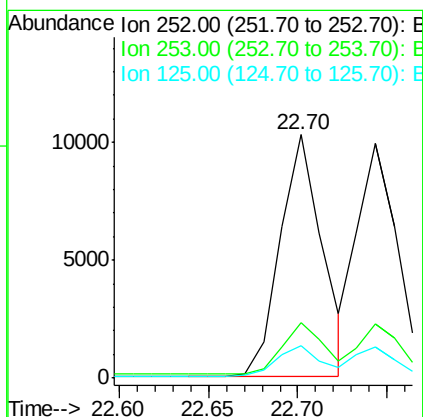
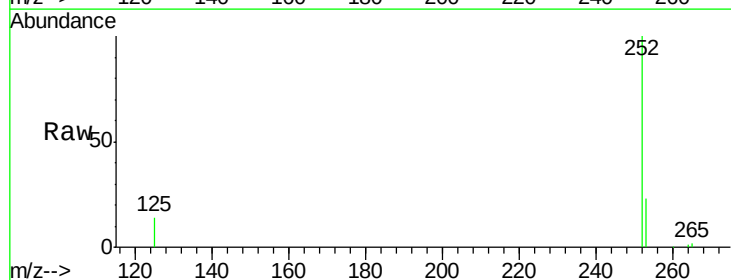
Ion	Ratio	Lower	Upper
264	100		
260	23.8	19.0	28.6
265	22.4	17.9	26.9

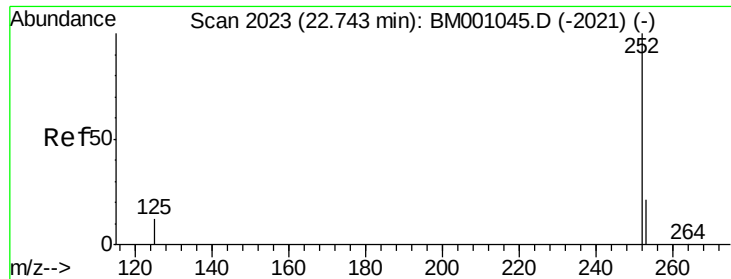


#26
 Benzo(b)fluoranthene
 Concen: 1.02 ng
 RT: 22.70 min Scan# 2019
 Delta R.T. 0.00 min
 Lab File: BM001045.D
 Acq: 18 Apr 2015 00:31

Tgt Ion: 252 Resp: 16774

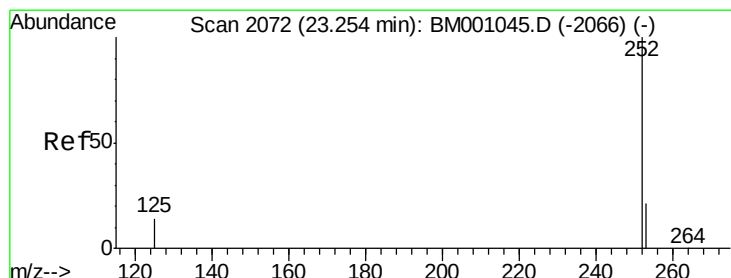
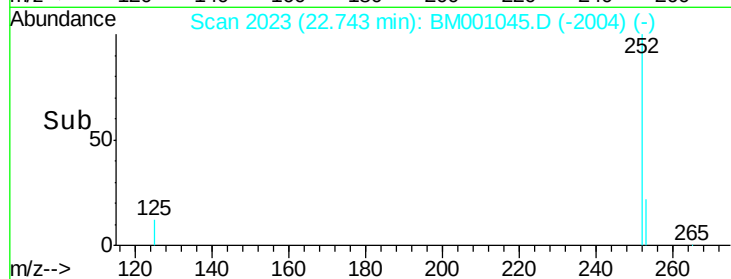
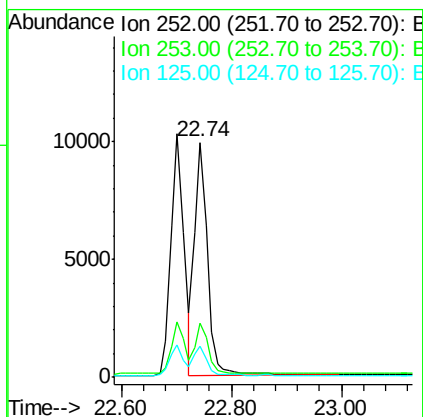
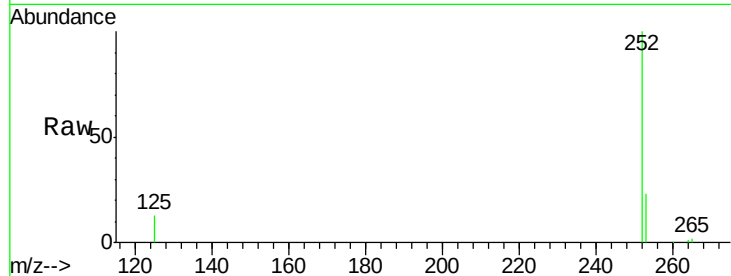
Ion	Ratio	Lower	Upper
252	100		
253	22.7	18.2	27.2
125	13.6	10.9	16.3





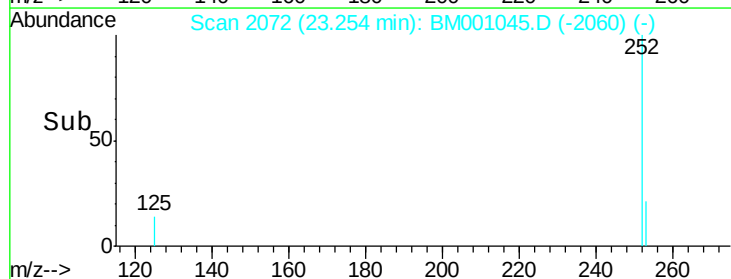
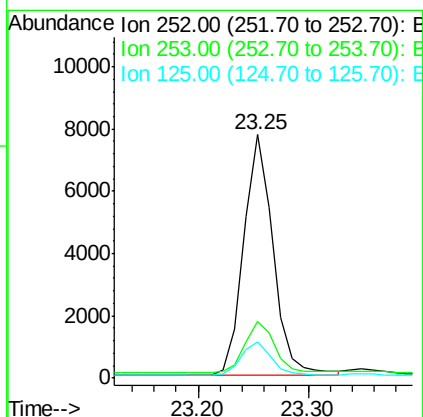
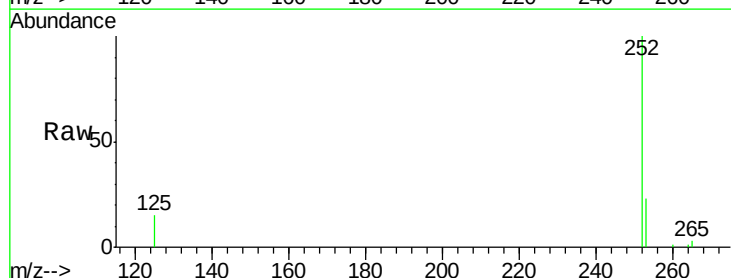
#27
Benzo(k)fluoranthene
Concen: 1.02 ng
RT: 22.74 min Scan# 2023
Delta R.T. 0.00 min
Lab File: BM001045.D
Acq: 18 Apr 2015 00:31

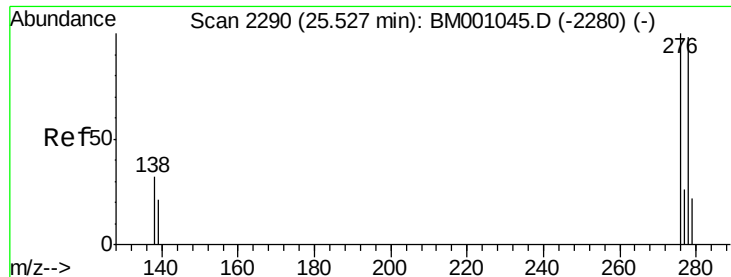
Tgt Ion: 252 Resp: 16168
Ion Ratio Lower Upper
252 100
253 22.9 18.3 27.5
125 13.2 10.6 15.8



#28
Benzo(a)pyrene
Concen: 1.01 ng
RT: 23.25 min Scan# 2072
Delta R.T. 0.00 min
Lab File: BM001045.D
Acq: 18 Apr 2015 00:31

Tgt Ion: 252 Resp: 14385
Ion Ratio Lower Upper
252 100
253 23.2 18.6 27.8
125 14.9 11.9 17.9





#29

Dibenzo(a,h)anthracene

Concen: 1.02 ng

RT: 25.53 min Scan# 2290

Delta R.T. 0.00 min

Lab File: BM001045.D

Acq: 18 Apr 2015 00:31

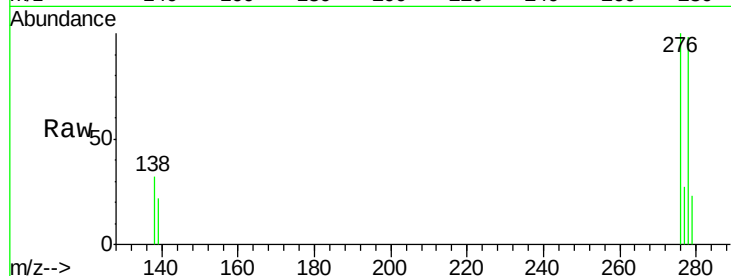
Tgt Ion: 278 Resp: 14254

Ion Ratio Lower Upper

278 100

139 22.7 18.2 27.2

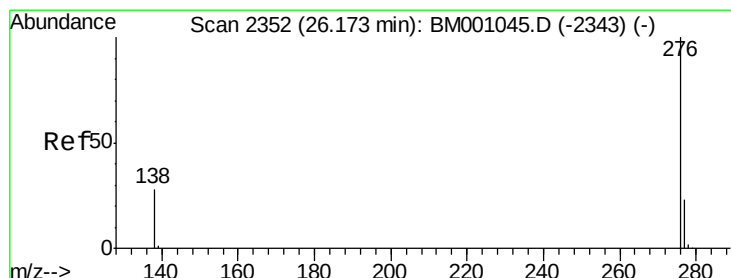
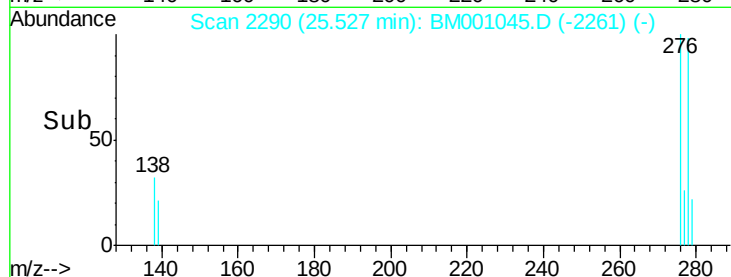
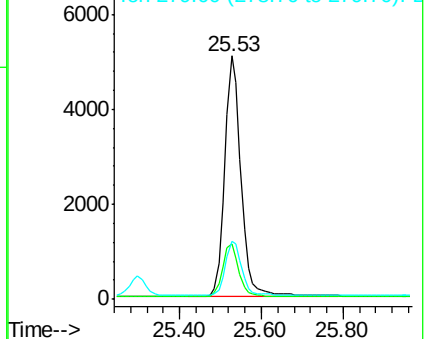
279 23.9 19.1 28.7



Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E



#30

Benzo(g,h,i)perylene

Concen: 1.01 ng

RT: 26.17 min Scan# 2352

Delta R.T. 0.00 min

Lab File: BM001045.D

Acq: 18 Apr 2015 00:31

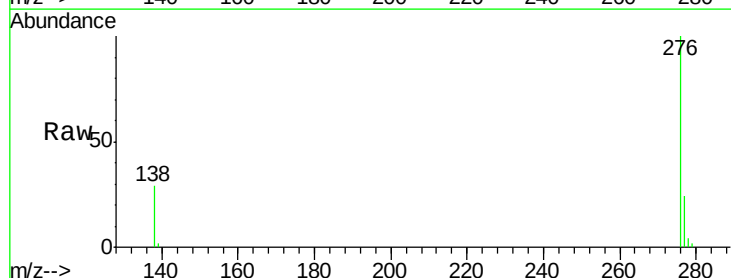
Tgt Ion: 276 Resp: 15210

Ion Ratio Lower Upper

276 100

277 23.7 19.0 28.4

138 29.3 23.4 35.2



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

