

Data Path : Z:\HPCHEM1\BNA M\DATA\BM041815\
 Data File : BM001058.D
 Acq On : 18 Apr 2015 13:59
 Operator : TP/IZ
 Sample : G1856-01
 Misc :
 ALS Vial : 28 Sample Multiplier: 1

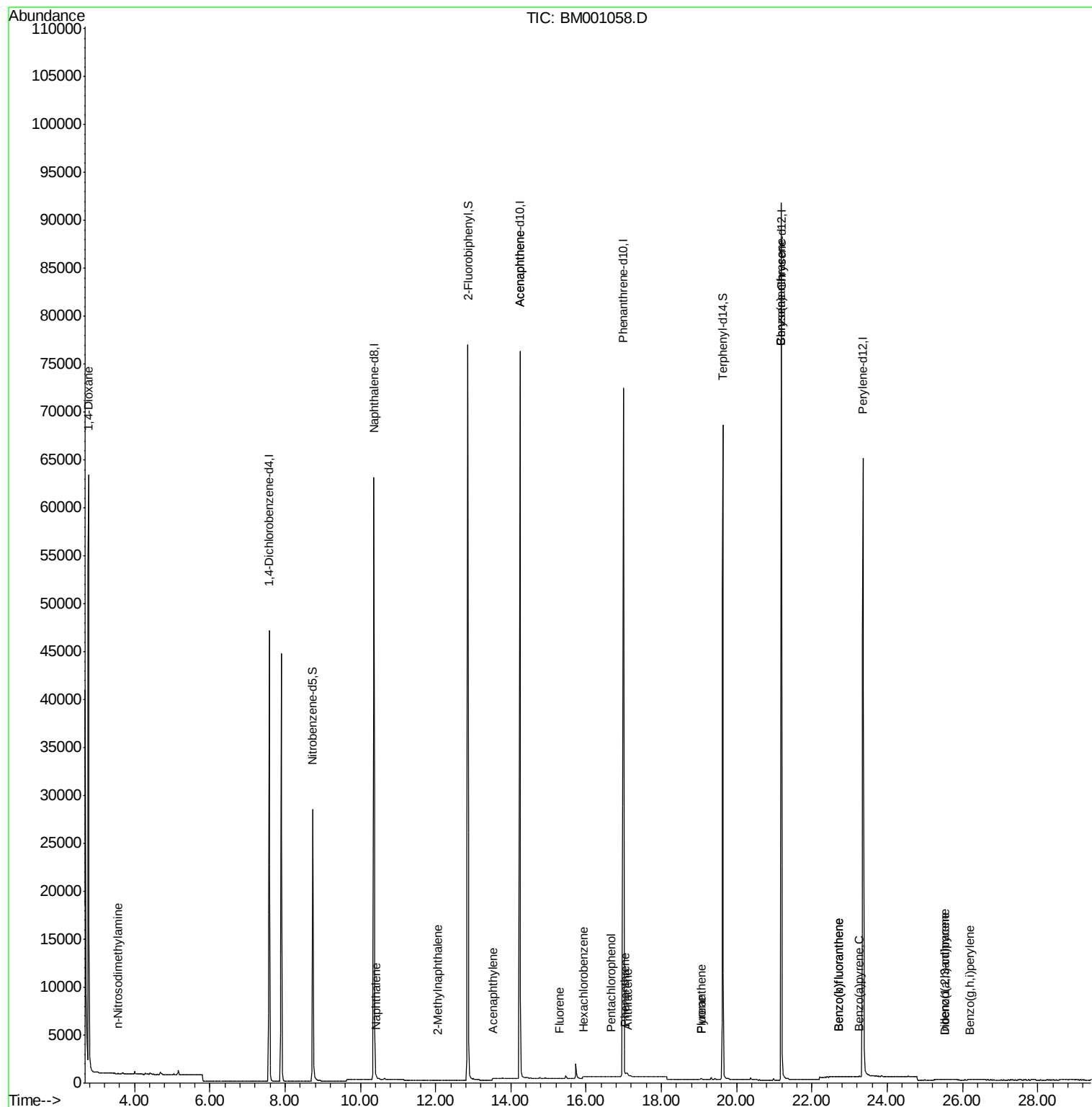
Quant Time: Apr 20 08:17:27 2015
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SIMPAH-BM041815.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Apr 20 08:05:22 2015
 Response via : Initial Calibration

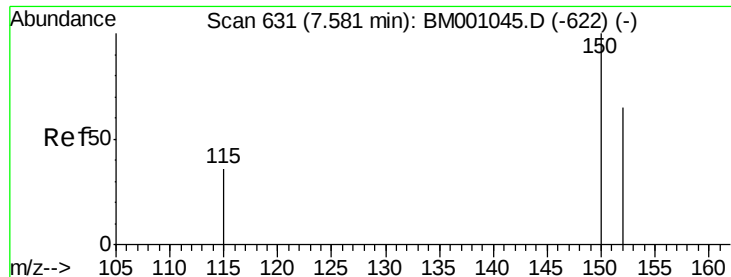
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.58	152	23662	5.00	ng	0.00
4) Naphthalene-d8	10.36	136	85509	5.00	ng	0.00
8) Acenaphthene-d10	14.24	164	46252	5.00	ng	0.00
13) Phenanthrene-d10	16.99	188	104735	5.00	ng	0.00
19) Chrysene-d12	21.19	240	89537	5.00	ng	0.00
25) Perylene-d12	23.36	264	81064	5.00	ng	0.00
System Monitoring Compounds						
5) Nitrobenzene-d5	8.74	82	25078	5.62	ng	0.00
9) 2-Fluorobiphenyl	12.86	172	83831	5.49	ng	0.00
21) Terphenyl-d14	19.63	244	77585	6.54	ng	0.00
Target Compounds						Ovalue
2) 1,4-Dioxane	2.78	88	2940	1.10	ng	# 100
3) n-Nitrosodimethylamine	3.56	42	26	0.01	ng	# 1
6) Naphthalene	10.41	128	38	0.00	ng	# 1
7) 2-Methylnaphthalene	12.05	142	29	0.00	ng	# 51
10) Acenaphthylene	13.52	152	171	0.01	ng	# 20
11) Acenaphthene	14.24	154	225	0.02	ng	# 7
12) Fluorene	15.30	166	22	0.00	ng	# 79
14) Hexachlorobenzene	15.92	284	86	0.01	ng	# 100
15) Pentachlorophenol	16.66	266	32	0.30	ng	# 62
16) Phenanthrene	17.03	178	137	0.00	ng	# 61
17) Anthracene	17.11	178	108	0.00	ng	# 77
18) Fluoranthene	19.05	202	151	0.01	ng	# 93
20) Pyrene	19.05	202	151	0.01	ng	# 94
22) Benzo(a)anthracene	21.18	228	407	0.02	ng	# 82
23) Chrysene	21.18	228	407	0.01	ng	# 84
24) Indeno(1,2,3-cd)pyrene	25.53	276	91	0.00	ng	# 88
26) Benzo(b)fluoranthene	22.71	252	172	0.01	ng	# 1
27) Benzo(k)fluoranthene	22.71	252	172	0.01	ng	# 1
28) Benzo(a)pyrene	23.25	252	94	0.00	ng	# 1
29) Dibenzo(a,h)anthracene	25.54	278	64	0.00	ng	# 1
30) Benzo(g,h,i)perylene	26.18	276	98	0.00	ng	# 1

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

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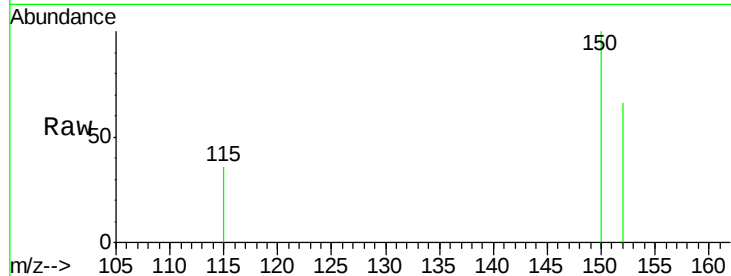




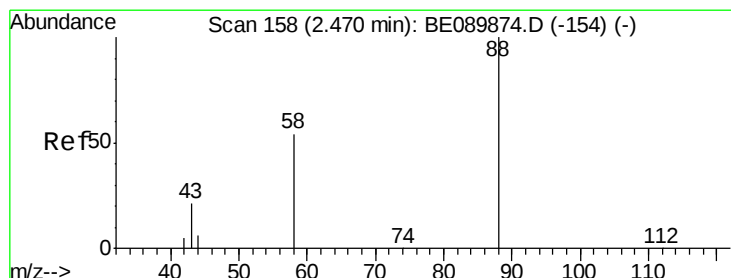
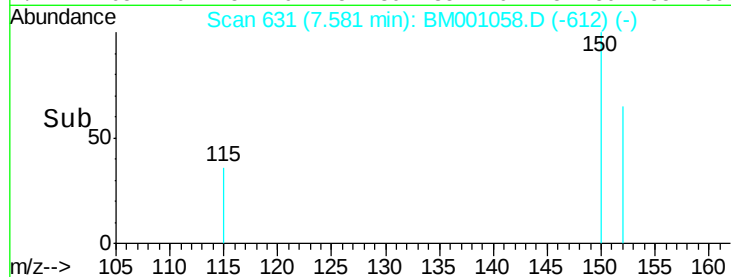
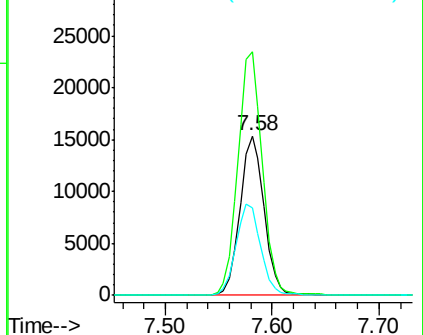
#1

1,4-Dichlorobenzene-d4
Concen: 5.00 ng
RT: 7.58 min Scan# 631
Delta R.T. 0.00 min
Lab File: BM001058.D
Acq: 18 Apr 2015 13:59

Tot Ion:152 Resp: 23662
Ion Ratio Lower Upper
152 100
150 152.7 123.3 184.9
115 54.7 45.0 67.6



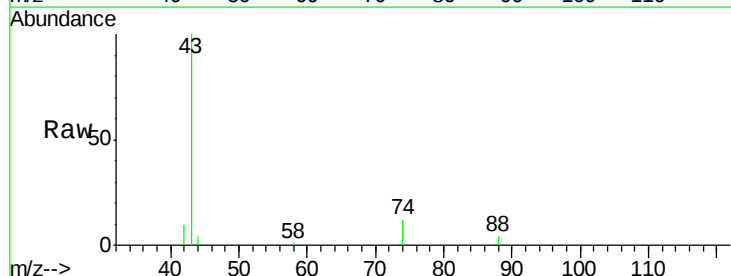
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



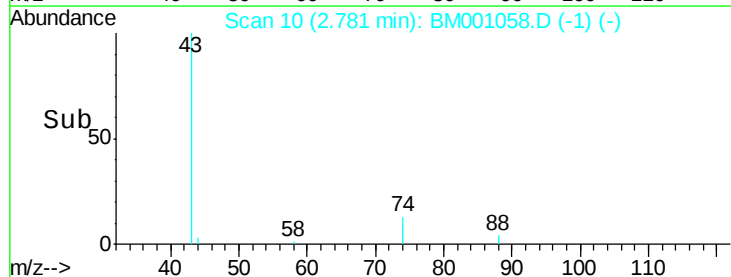
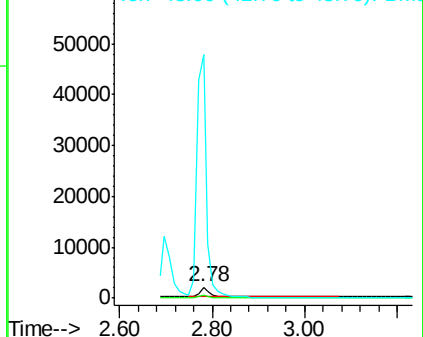
#2

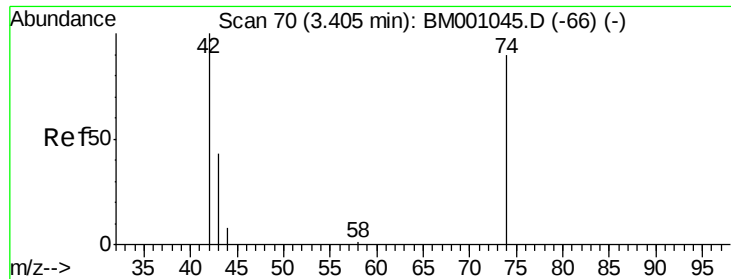
1,4-Dioxane
Concen: 1.10 ng
RT: 2.78 min Scan# 10
Delta R.T. -0.30 min
Lab File: BM001058.D
Acq: 18 Apr 2015 13:59

Tgt Ion: 88 Resp: 2940
Ion Ratio Lower Upper
88 100
58 26.0 0.0 0.0#
43 2339.0 0.0 0.0#



Abundance Ion 88.00 (87.70 to 88.70): BM0
Ion 58.00 (57.70 to 58.70): BM0
Ion 43.00 (42.70 to 43.70): BM0

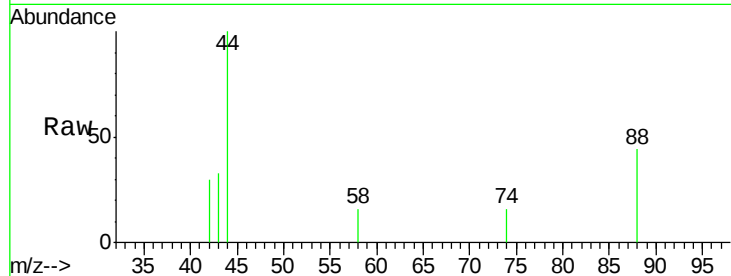




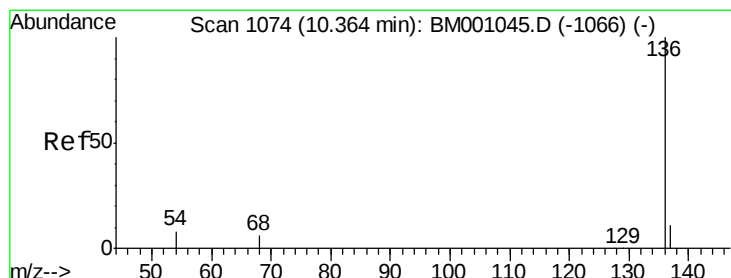
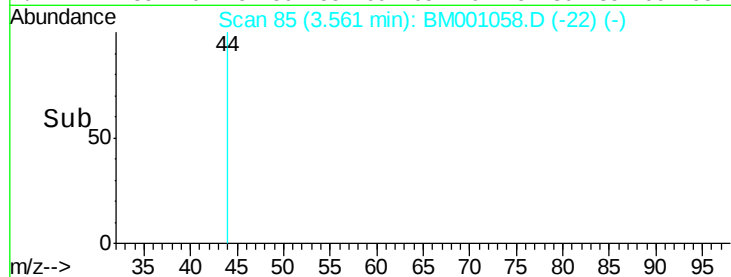
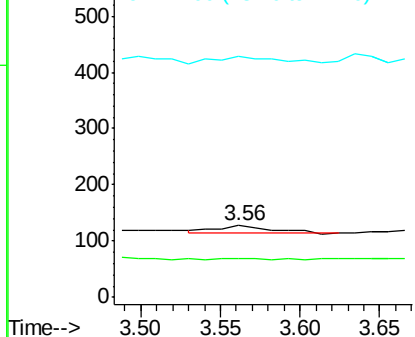
#3

n-Nitrosodimethylamine
Concen: 0.01 ng
RT: 3.56 min Scan# 85
Delta R.T. 0.16 min
Lab File: BM001058.D
Acq: 18 Apr 2015 13:59

Tot Ion: 42 Resp: 26
Ion Ratio Lower Upper
42 100
74 15.4 92.1 138.1#
44 161.5 5.8 8.6#



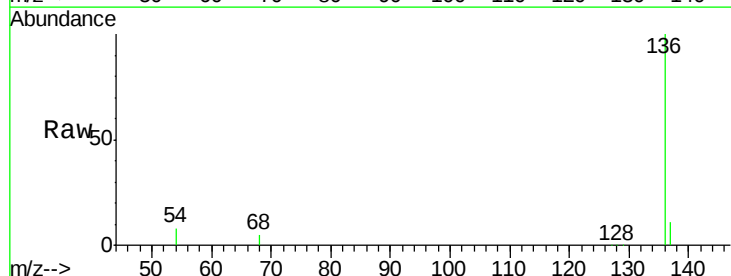
Abundance Ion 42.00 (41.70 to 42.70): BM0
Ion 74.00 (73.70 to 74.70): BM0
Ion 44.00 (43.70 to 44.70): BM0



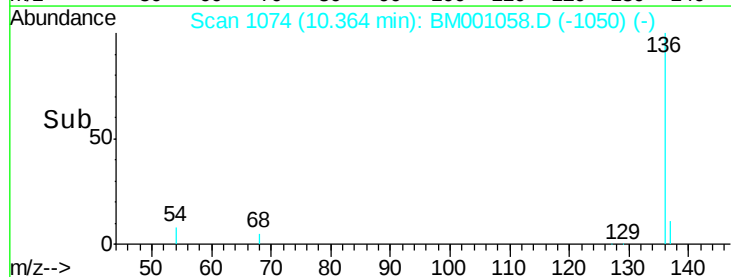
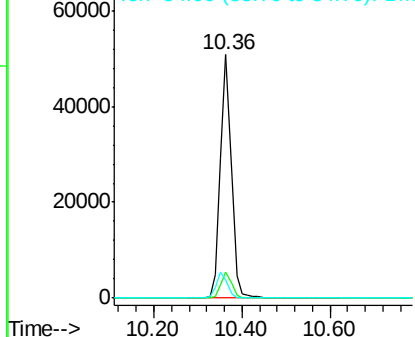
#4

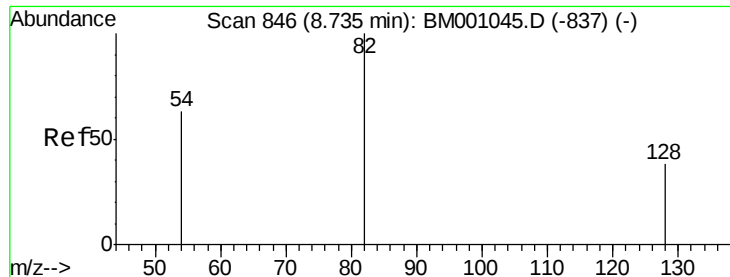
Naphthalene-d8
Concen: 5.00 ng
RT: 10.36 min Scan# 1074
Delta R.T. 0.00 min
Lab File: BM001058.D
Acq: 18 Apr 2015 13:59

Tgt Ion: 136 Resp: 85509
Ion Ratio Lower Upper
136 100
137 10.9 8.6 13.0
54 7.8 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: 5.62 ng

RT: 8.74 min Scan# 846

Delta R.T. 0.00 min

Lab File: BM001058.D

Acq: 18 Apr 2015 13:59

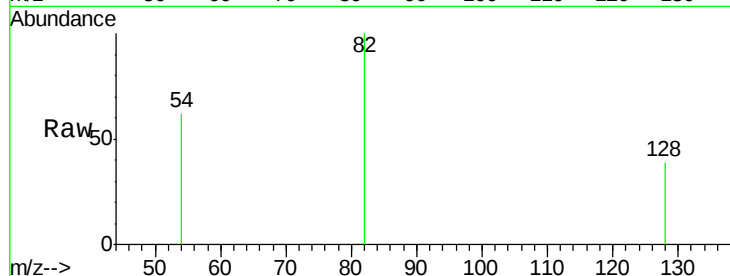
Tot Ion: 82 Resp: 25078

Ion Ratio Lower Upper

82 100

128 39.1 31.9 47.9

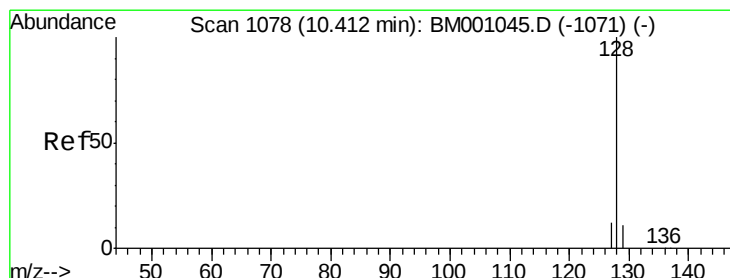
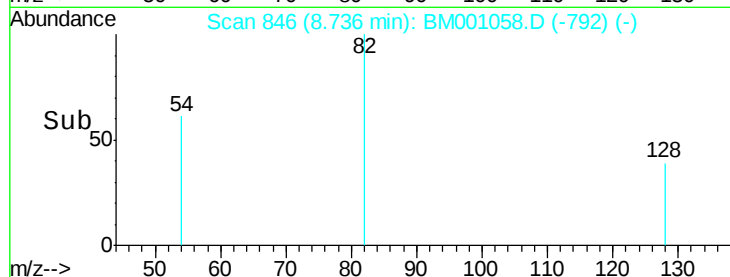
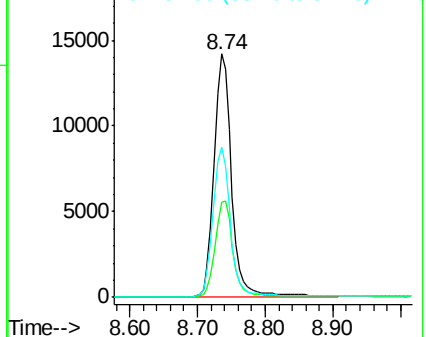
54 61.6 51.3 76.9



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) (-)



#6

Naphthalene

Concen: 0.00 ng

RT: 10.41 min Scan# 1078

Delta R.T. 0.00 min

Lab File: BM001058.D

Acq: 18 Apr 2015 13:59

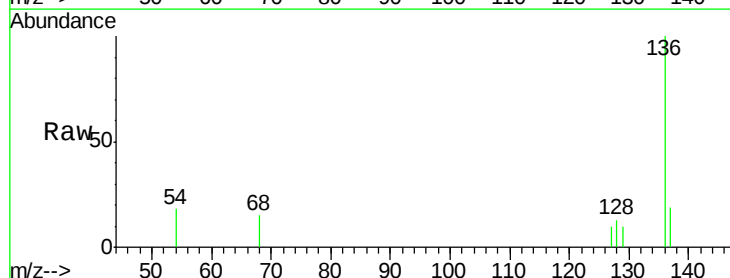
Tgt Ion: 128 Resp: 38

Ion Ratio Lower Upper

128 100

129 79.4 9.3 13.9#

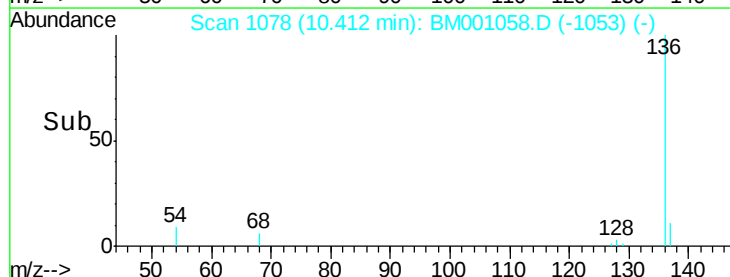
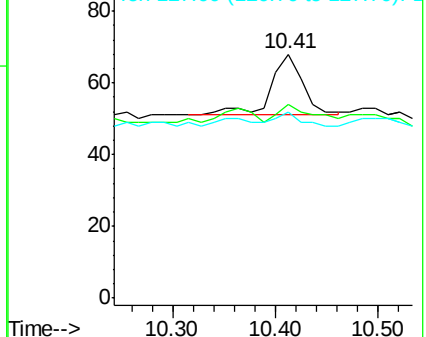
127 76.5 10.0 15.0#



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) (-)





#7

2-Methylnaphthalene

Concen: 0.00 ng

RT: 12.05 min Scan# 1225

Delta R.T. 0.01 min

Lab File: BM001058.D

Acq: 18 Apr 2015 13:59

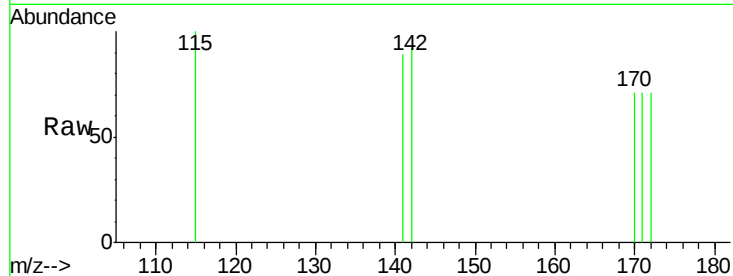
Tot Ion:142 Resp: 29

Ion Ratio Lower Upper

142 100

141 96.7 66.7 100.1

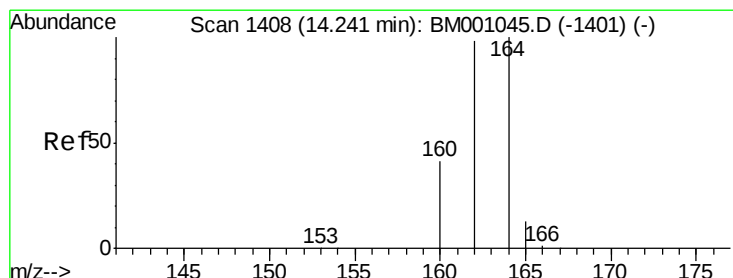
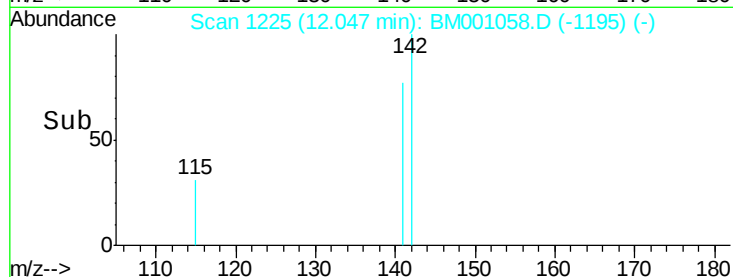
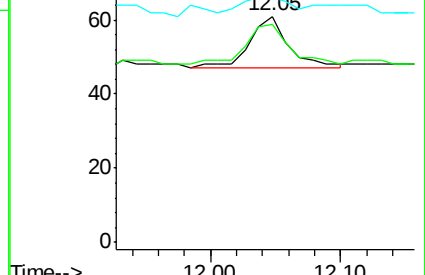
115 108.2 25.5 38.3#



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: BM001058.D

Acq: 18 Apr 2015 13:59

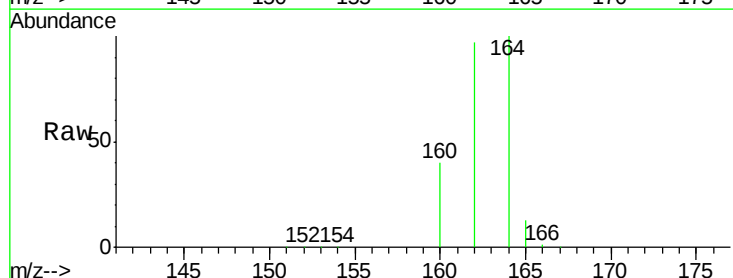
Tgt Ion:164 Resp: 46252

Ion Ratio Lower Upper

164 100

162 97.5 78.5 117.7

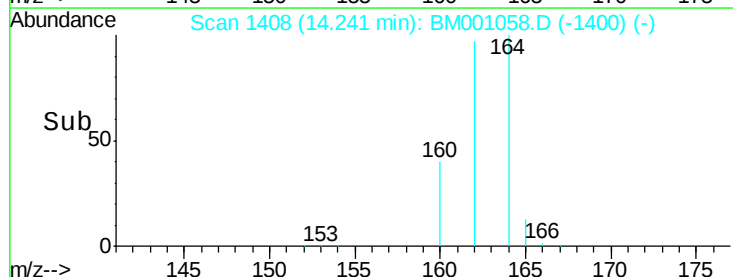
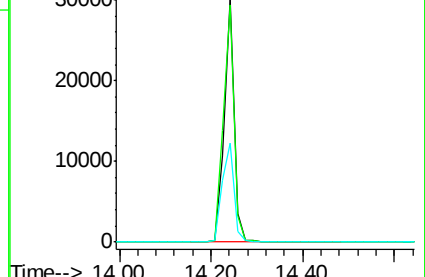
160 40.5 32.9 49.3



Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

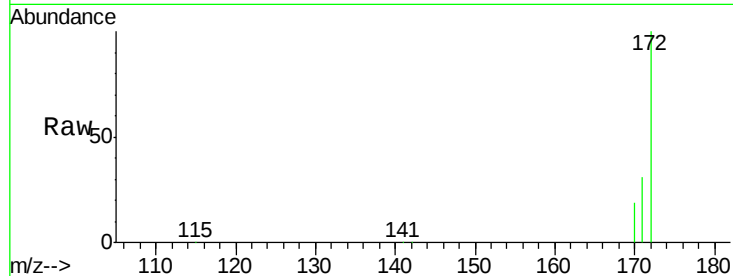
Ion 160.00 (159.70 to 160.70): E



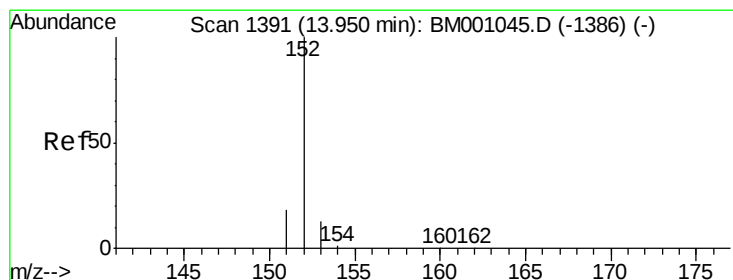
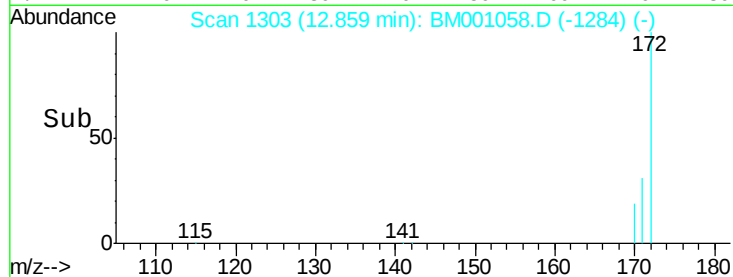
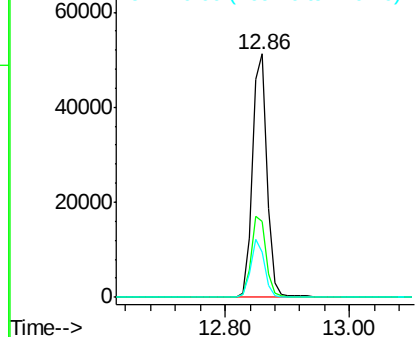


#9
2-Fluorobiphenyl
Concen: 5.49 ng
RT: 12.86 min Scan# 1303
Delta R.T. 0.00 min
Lab File: BM001058.D
Acq: 18 Apr 2015 13:59

Tot Ion	Ratio	Lower	Upper
172	100		
171	31.1	25.6	38.4
170	18.7	15.8	23.6

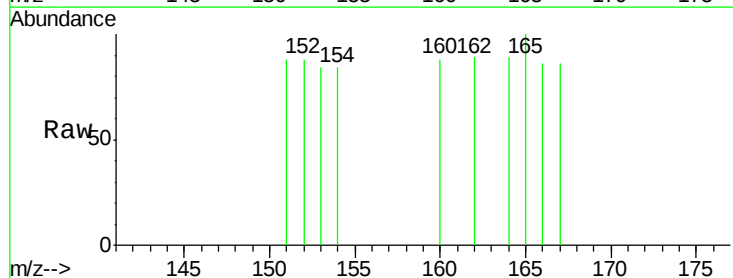


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

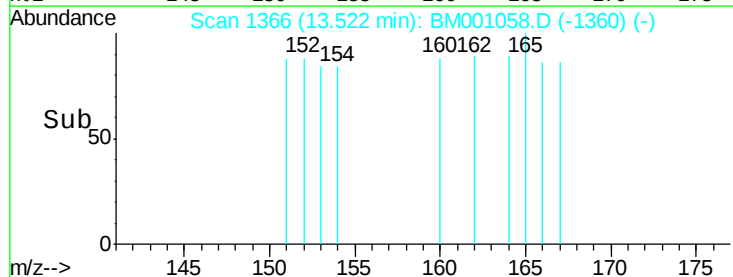
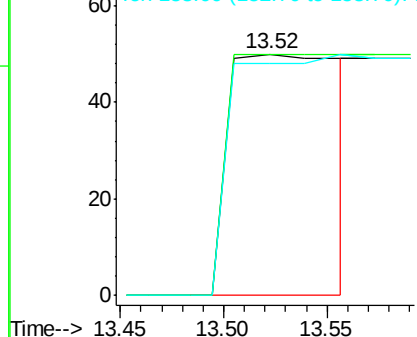


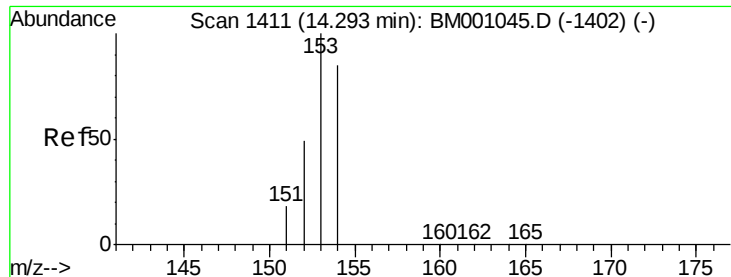
#10
Acenaphthylene
Concen: 0.01 ng
RT: 13.52 min Scan# 1366
Delta R.T. -0.43 min
Lab File: BM001058.D
Acq: 18 Apr 2015 13:59

Tgt Ion	Ratio	Lower	Upper
152	100		
151	69.0	14.7	22.1#
153	0.0	10.2	15.2#



Abundance Ion 152.00 (151.70 to 152.70): E
Ion 151.00 (150.70 to 151.70): E
Ion 153.00 (152.70 to 153.70): E





#11

Acenaphthene

Concen: 0.02 ng

RT: 14.24 min Scan# 1408

Delta R.T. -0.05 min

Lab File: BM001058.D

Acq: 18 Apr 2015 13:59

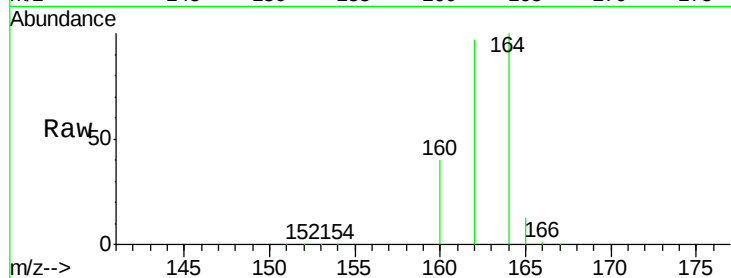
Tot Ion:154 Resp: 225

Ion Ratio Lower Upper

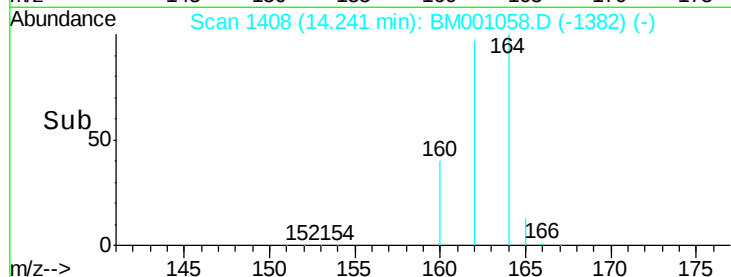
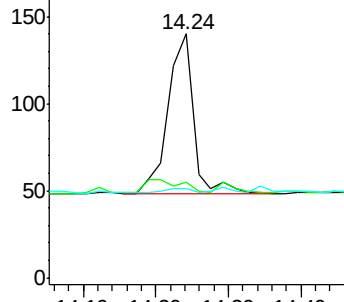
154 100

153 0.0 88.1 132.1#

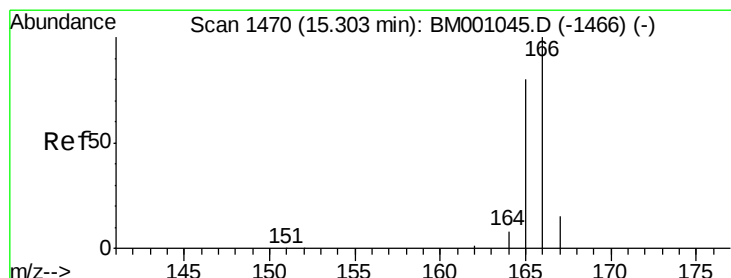
152 4.4 42.3 63.5#



Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E



Time-->



#12

Fluorene

Concen: 0.00 ng

RT: 15.30 min Scan# 1470

Delta R.T. 0.00 min

Lab File: BM001058.D

Acq: 18 Apr 2015 13:59

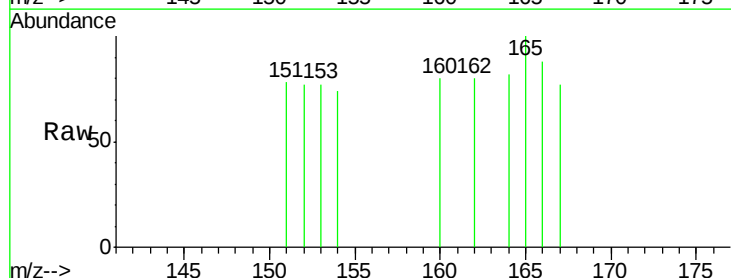
Tgt Ion:166 Resp: 22

Ion Ratio Lower Upper

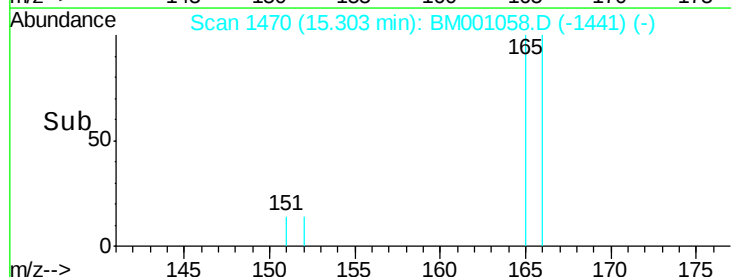
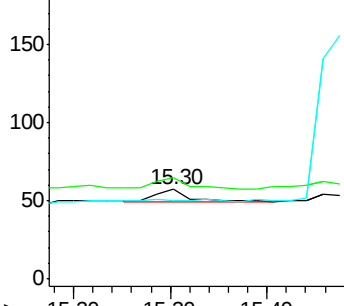
166 100

165 81.8 77.6 116.4

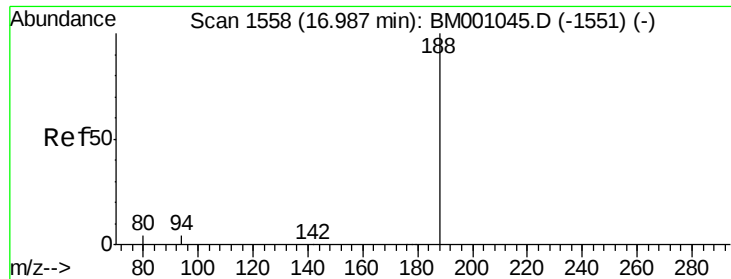
167 36.4 10.6 16.0#



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

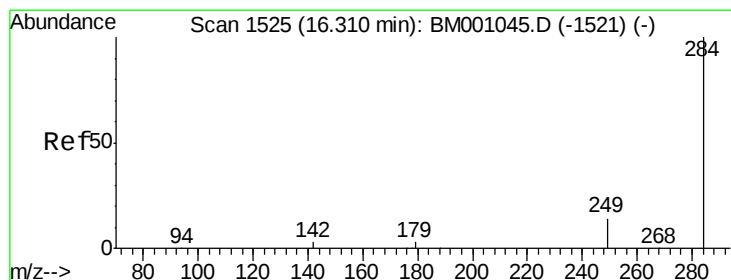
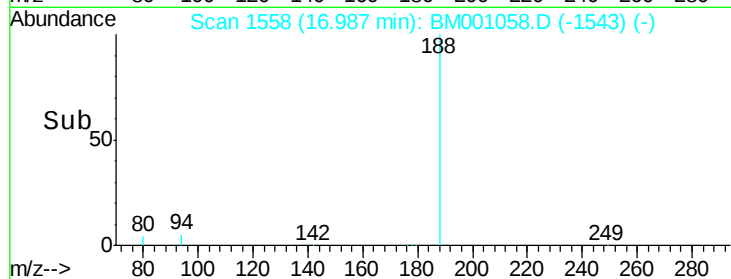
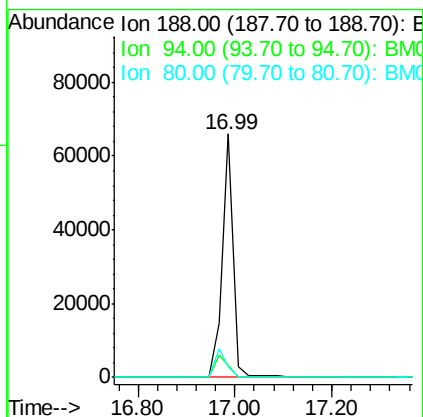
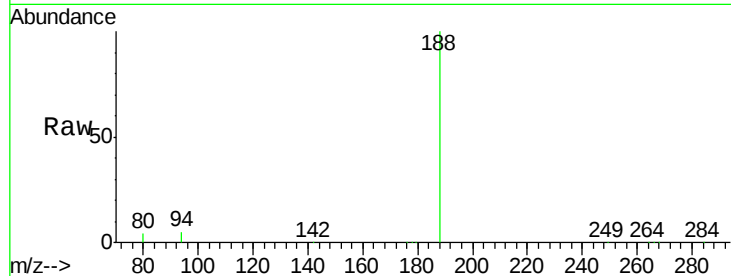


Time-->



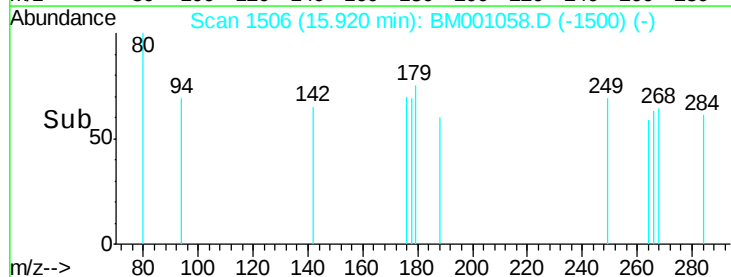
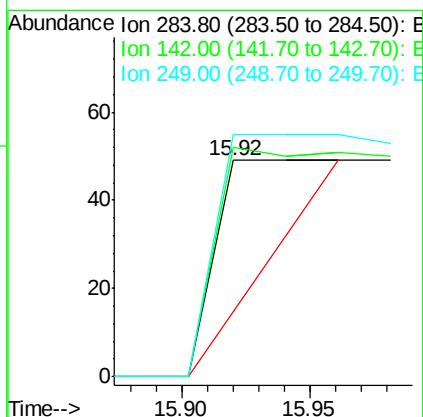
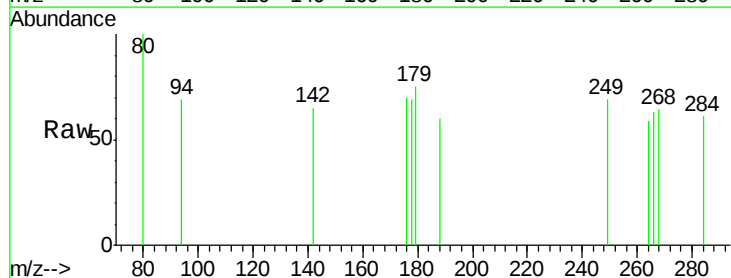
#13
Phenanthrene-d10
Concen: 5.00 ng
RT: 16.99 min Scan# 1558
Delta R.T. 0.00 min
Lab File: BM001058.D
Acq: 18 Apr 2015 13:59

Tot Ion	Ratio	Lower	Upper
188	100		
94	4.7	3.6	5.4
80	4.2	3.0	4.6



#14
Hexachlorobenzene
Concen: 0.01 ng
RT: 15.92 min Scan# 1506
Delta R.T. -0.39 min
Lab File: BM001058.D
Acq: 18 Apr 2015 13:59

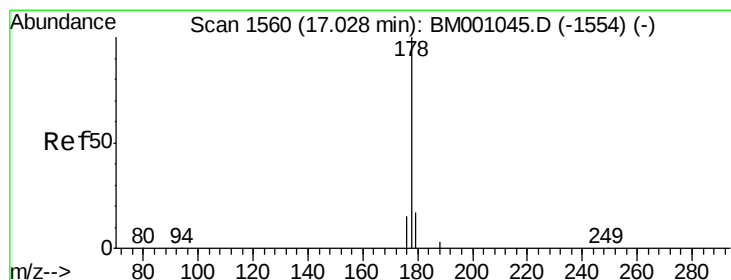
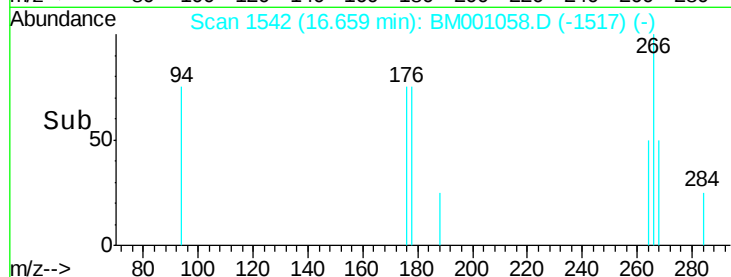
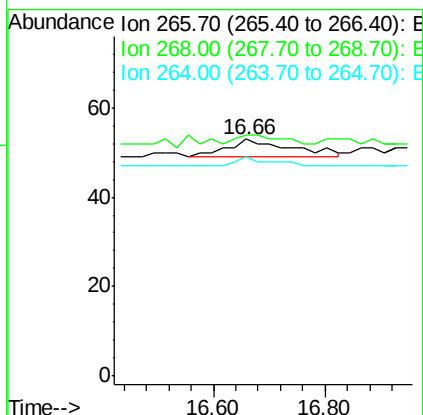
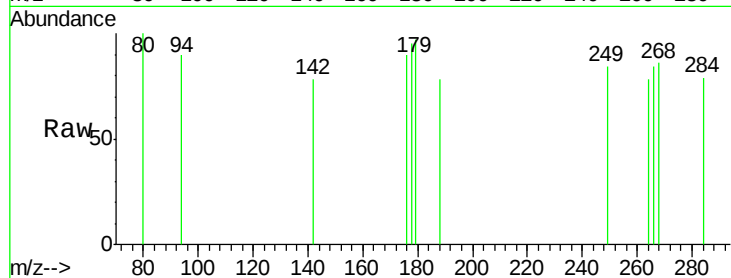
Tgt Ion	Ratio	Lower	Upper
284	100		
142	768.6	0.0	0.0#
249	443.0	0.0	0.0#





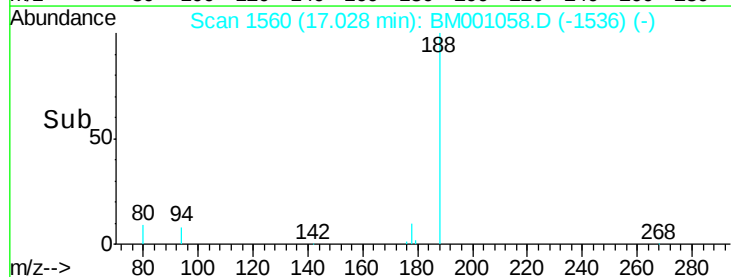
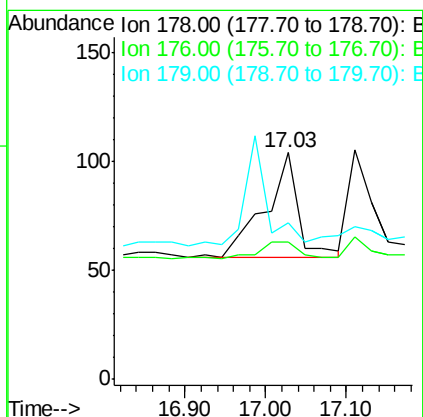
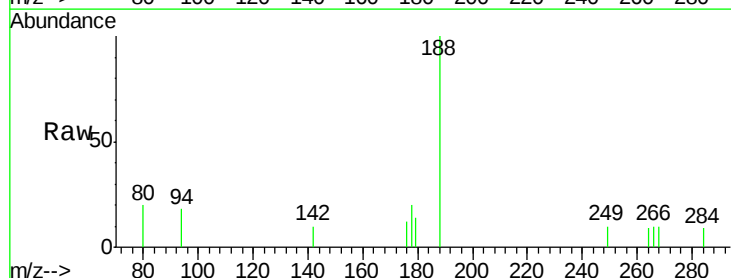
#15
 Pentachlorophenol
 Concen: 0.30 ng
 RT: 16.66 min Scan# 1542
 Delta R.T. 0.02 min
 Lab File: BM001058.D
 Acq: 18 Apr 2015 13:59

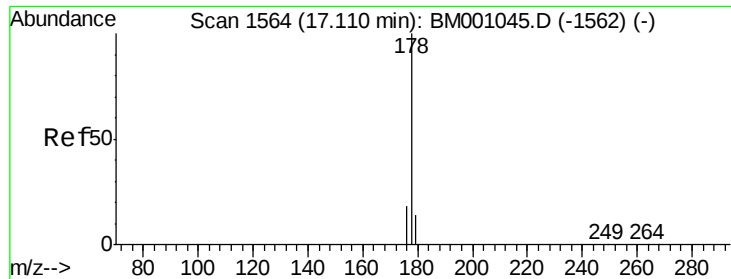
Tot Ion	Ratio	Lower	Upper
266	100		
268	101.9	46.3	69.5#
264	92.5	59.8	89.6#



#16
 Phenanthrene
 Concen: 0.00 ng
 RT: 17.03 min Scan# 1560
 Delta R.T. 0.00 min
 Lab File: BM001058.D
 Acq: 18 Apr 2015 13:59

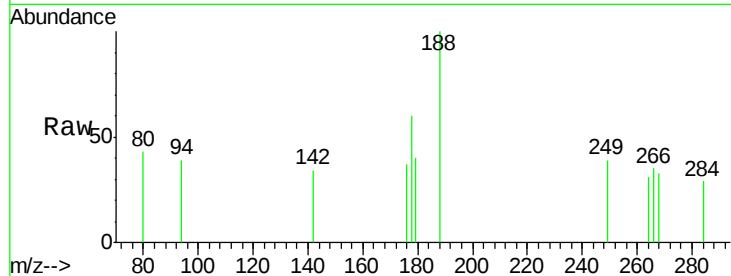
Tgt Ion	Ratio	Lower	Upper
178	100		
176	0.0	14.6	22.0#
179	0.0	12.6	19.0#



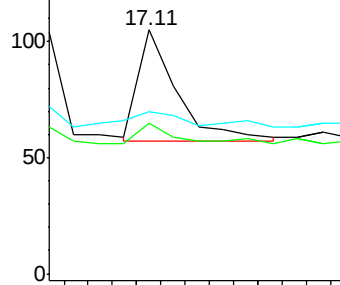


#17
 Anthracene
 Concen: 0.00 ng
 RT: 17.11 min Scan# 1564
 Delta R.T. 0.00 min
 Lab File: BM001058.D
 Acq: 18 Apr 2015 13:59

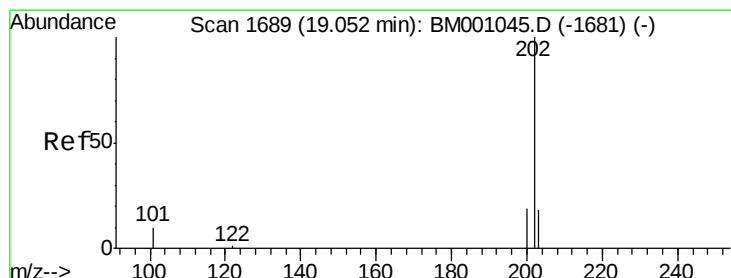
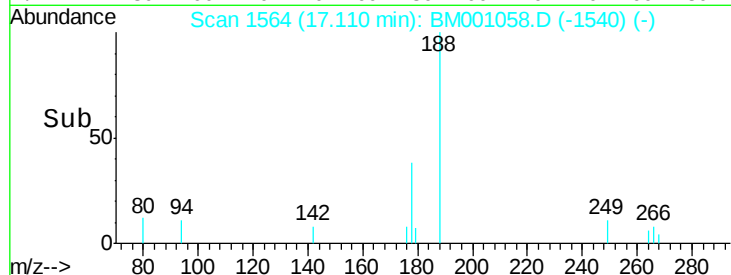
Tot Ion:178 Resp: 108
 Ion Ratio Lower Upper
 178 100
 176 15.7 14.3 21.5
 179 33.3 11.8 17.8#



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

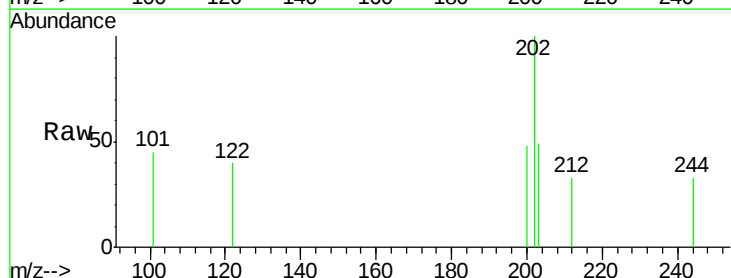


Time-->

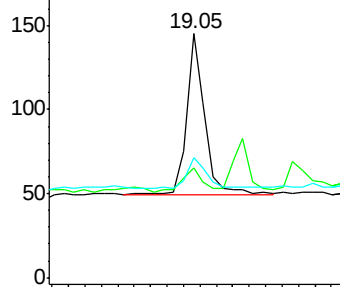


#18
 Fluoranthene
 Concen: 0.01 ng
 RT: 19.05 min Scan# 1689
 Delta R.T. 0.00 min
 Lab File: BM001058.D
 Acq: 18 Apr 2015 13:59

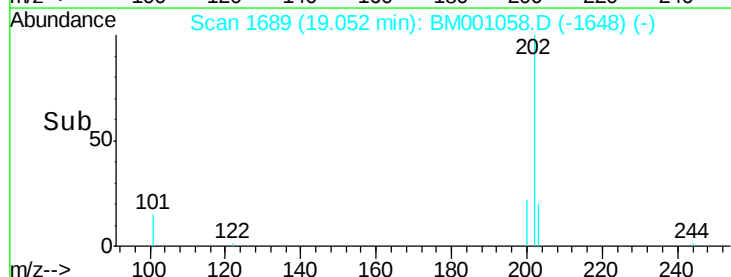
Tgt Ion:202 Resp: 151
 Ion Ratio Lower Upper
 202 100
 101 15.2 10.1 15.1#
 203 20.5 13.8 20.8

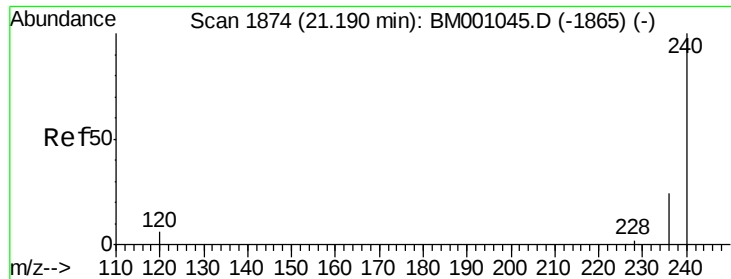


Abundance Ion 202.00 (201.70 to 202.70): E
 Ion 101.00 (100.70 to 101.70): E
 Ion 203.00 (202.70 to 203.70): E



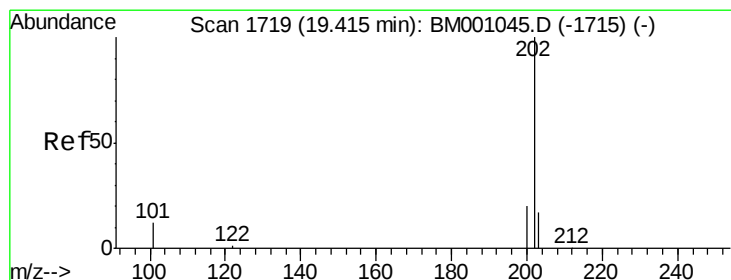
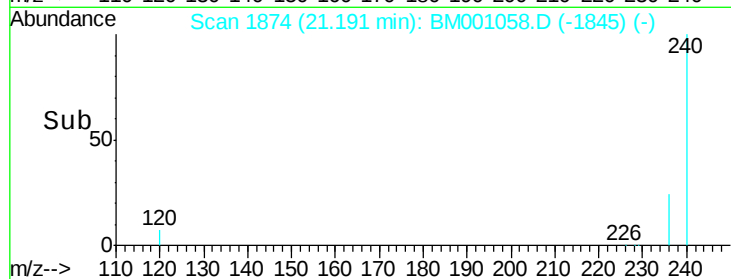
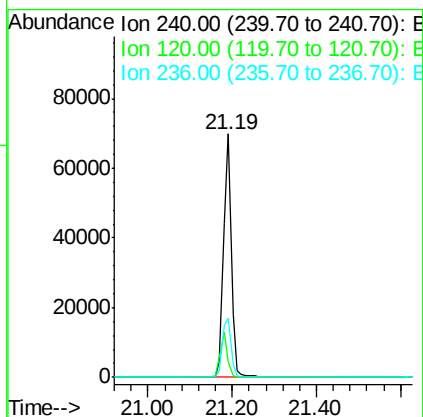
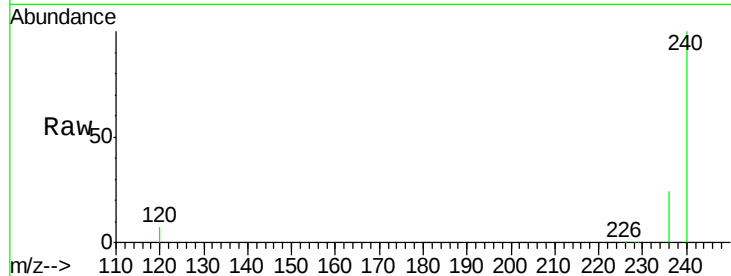
Time-->





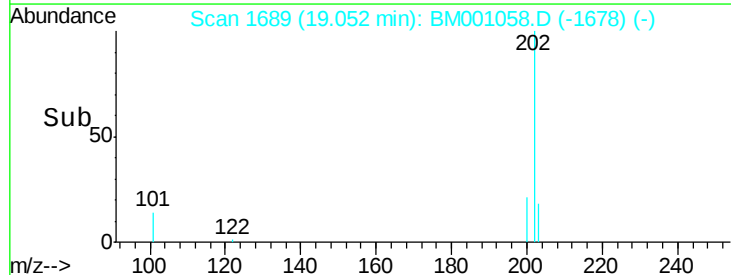
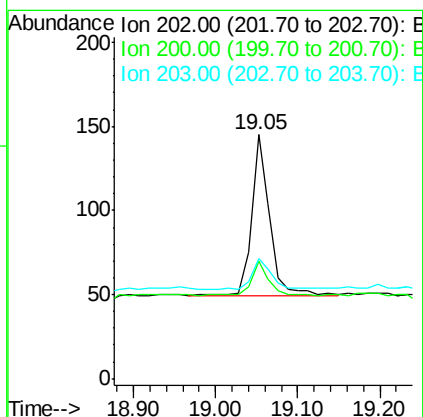
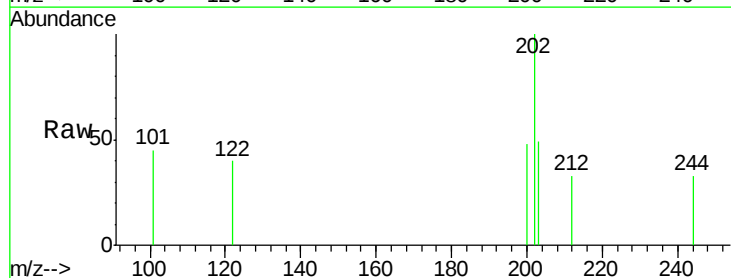
#19
Chrysene-d12
Concen: 5.00 ng
RT: 21.19 min Scan# 1874
Delta R.T. 0.00 min
Lab File: BM001058.D
Acq: 18 Apr 2015 13:59

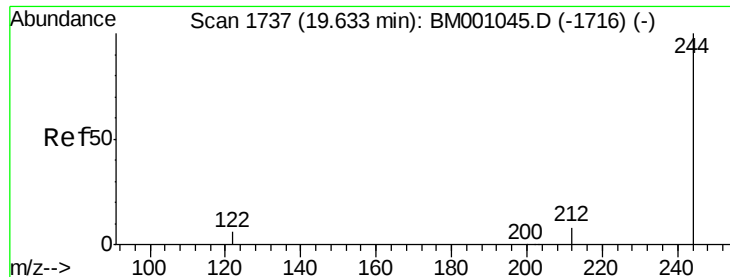
Tot Ion:240 Resp: 89537
Ion Ratio Lower Upper
240 100
120 6.7 4.6 6.8
236 24.3 19.1 28.7



#20
Pyrene
Concen: 0.01 ng
RT: 19.05 min Scan# 1689
Delta R.T. -0.36 min
Lab File: BM001058.D
Acq: 18 Apr 2015 13:59

Tgt Ion:202 Resp: 151
Ion Ratio Lower Upper
202 100
200 22.5 16.3 24.5
203 20.5 13.8 20.6





#21

Terphenyl-d14

Concen: 6.54 ng

RT: 19.63 min Scan# 1737

Delta R.T. 0.00 min

Lab File: BM001058.D

Acq: 18 Apr 2015 13:59

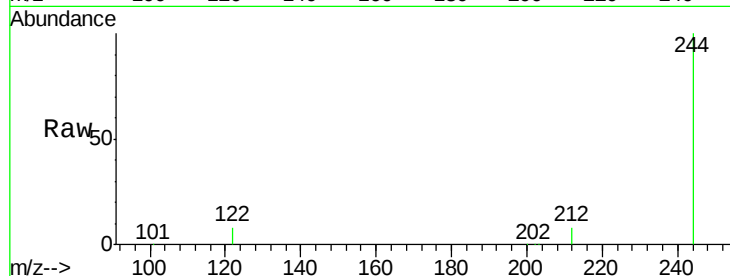
Tot Ion:244 Resp: 77585

Ion Ratio Lower Upper

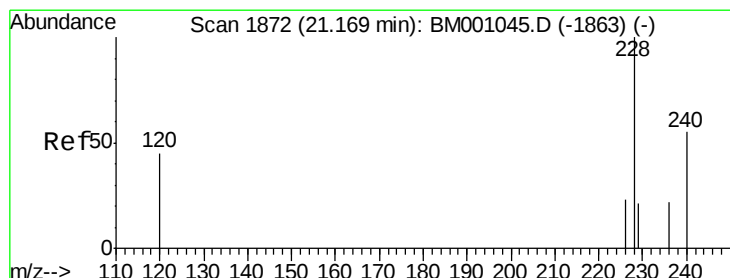
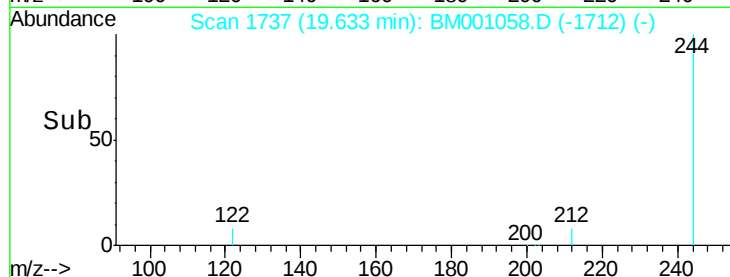
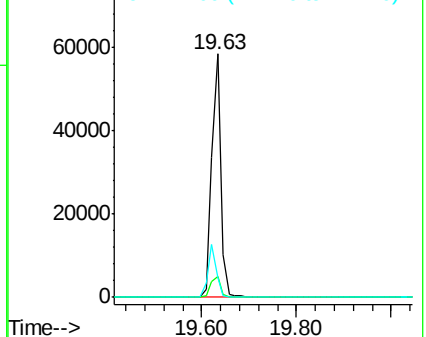
244 100

212 8.5 7.1 10.7

122 8.0 5.9 8.9



Abundance Ion 244.00 (243.70 to 244.70): E
Ion 212.00 (211.70 to 212.70): E
Ion 122.00 (121.70 to 122.70): E



#22

Benzo(a)anthracene

Concen: 0.02 ng

RT: 21.18 min Scan# 1873

Delta R.T. 0.01 min

Lab File: BM001058.D

Acq: 18 Apr 2015 13:59

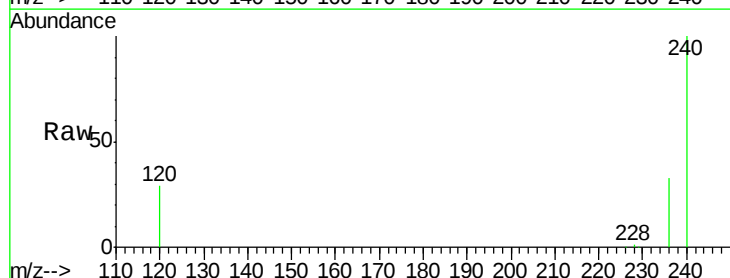
Tgt Ion:228 Resp: 407

Ion Ratio Lower Upper

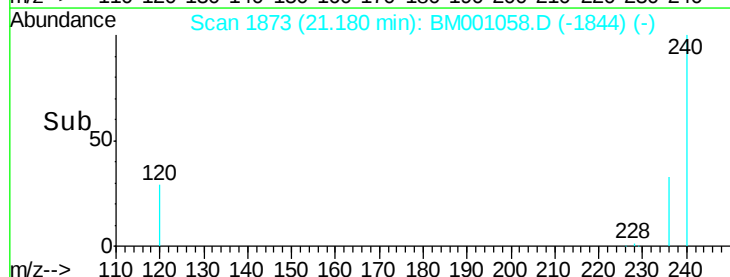
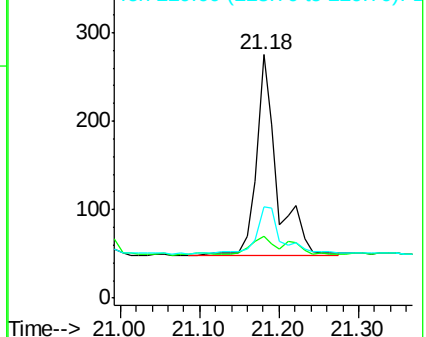
228 100

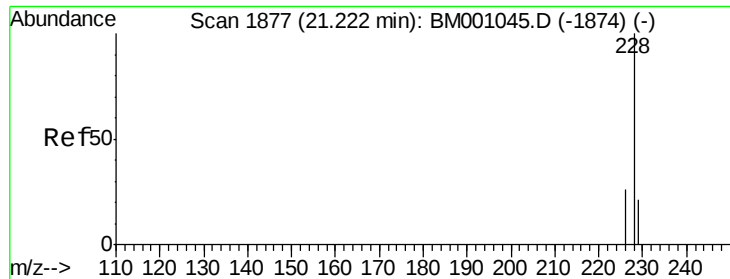
226 25.5 19.0 28.6

229 37.5 16.8 25.2#



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





#23

Chrysene

Concen: 0.01 ng

RT: 21.18 min Scan# 1873

Delta R.T. -0.04 min

Lab File: BM001058.D

Acq: 18 Apr 2015 13:59

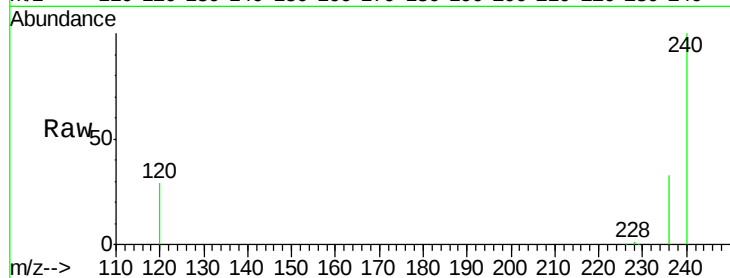
Tot Ion:228 Resp: 407

Ion Ratio Lower Upper

228 100

226 25.5 20.6 31.0

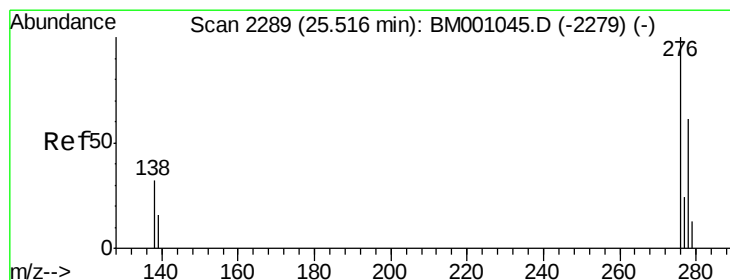
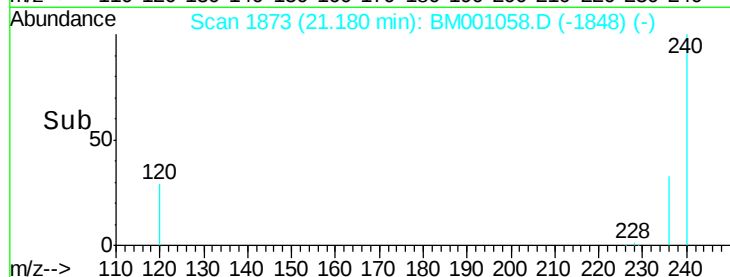
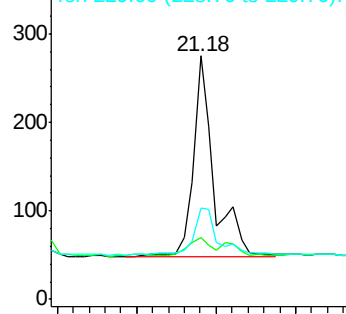
229 37.5 17.2 25.8#



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: 0.00 ng

RT: 25.53 min Scan# 2290

Delta R.T. 0.01 min

Lab File: BM001058.D

Acq: 18 Apr 2015 13:59

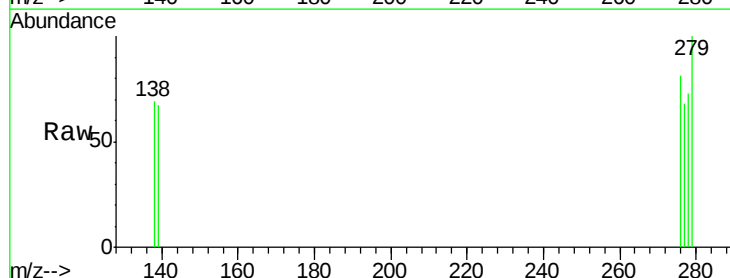
Tgt Ion:276 Resp: 91

Ion Ratio Lower Upper

276 100

138 40.7 26.3 39.5#

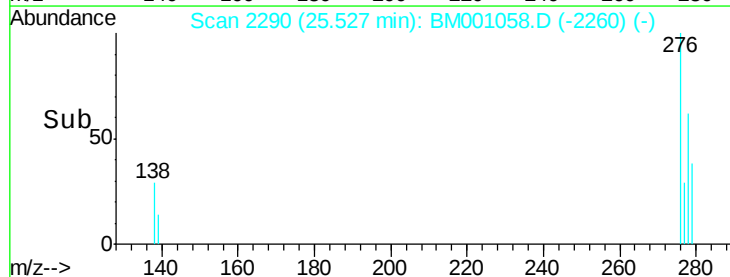
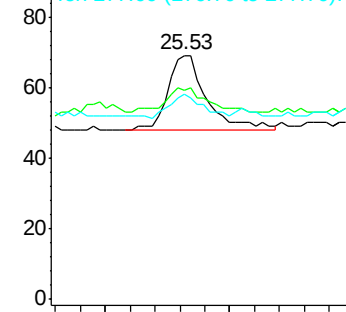
277 29.7 19.5 29.3#

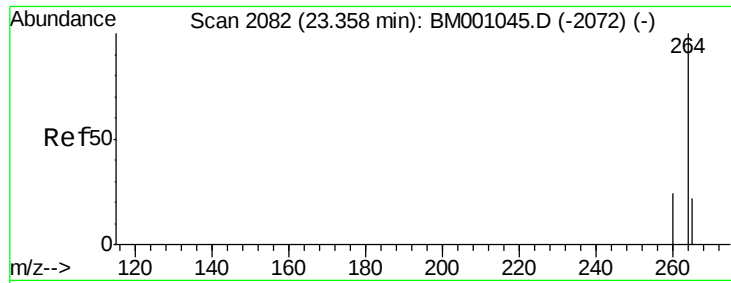


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

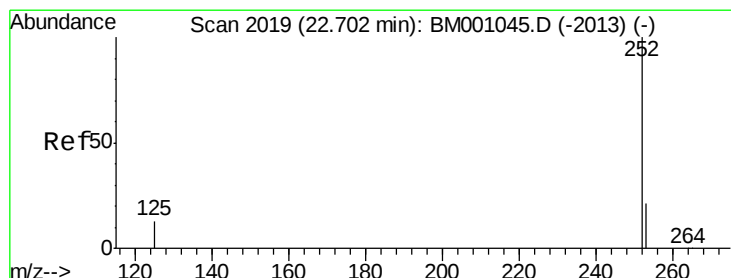
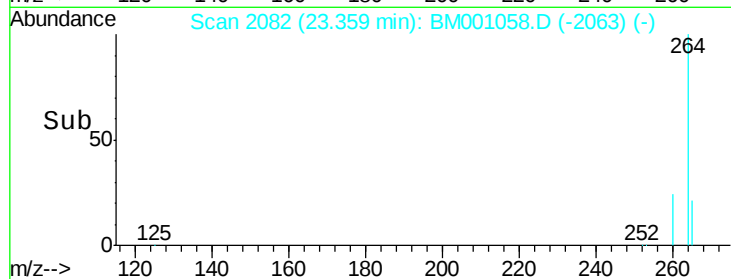
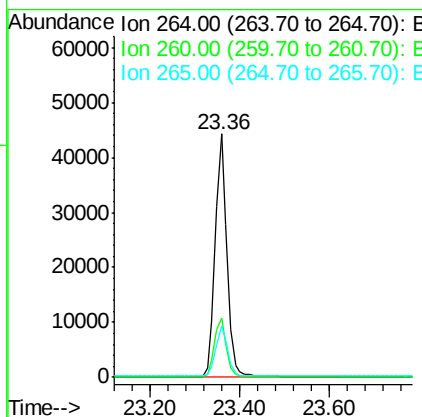
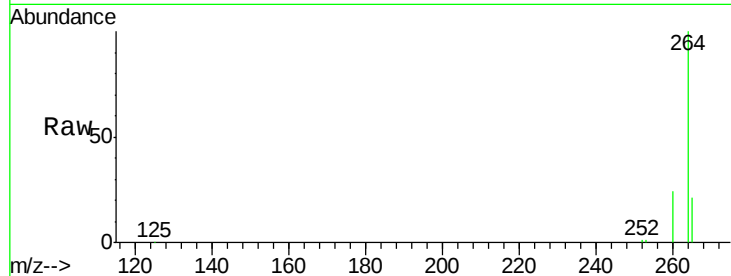
Ion 277.00 (276.70 to 277.70): E





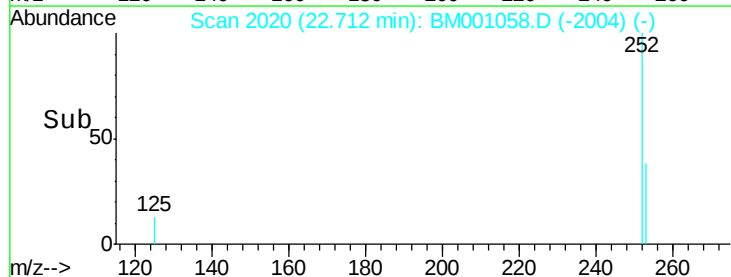
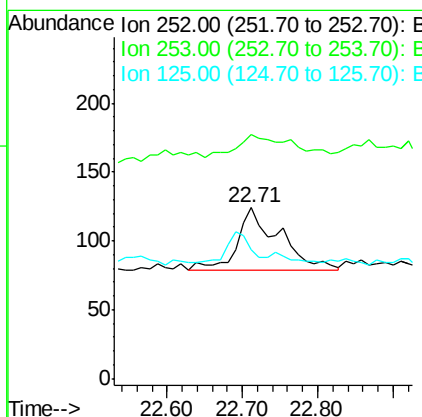
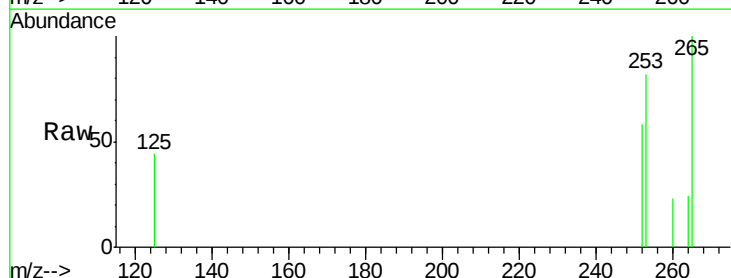
#25
Pervlene-d12
Concen: 5.00 ng
RT: 23.36 min Scan# 2082
Delta R.T. 0.00 min
Lab File: BM001058.D
Acq: 18 Apr 2015 13:59

Tot Ion:264 Resp: 81064
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: 0.01 ng
RT: 22.71 min Scan# 2020
Delta R.T. 0.01 min
Lab File: BM001058.D
Acq: 18 Apr 2015 13:59

Tgt Ion:252 Resp: 172
Ion Ratio Lower Upper
252 100
253 142.7 18.2 27.2#
125 75.8 10.9 16.3#





#27

Benzo(k)fluoranthene

Concen: 0.01 ng

RT: 22.71 min Scan# 2020

Delta R.T. -0.03 min

Lab File: BM001058.D

Acq: 18 Apr 2015 13:59

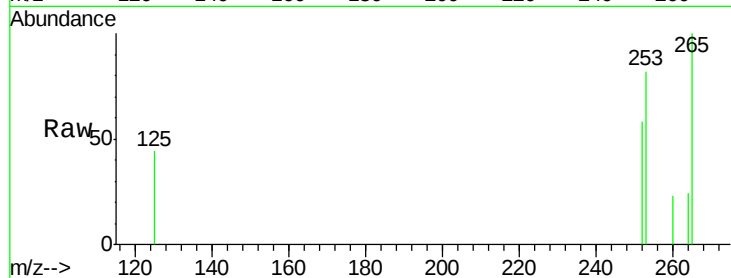
Tot Ion:252 Resp: 172

Ion Ratio Lower Upper

252 100

253 142.7 18.3 27.5#

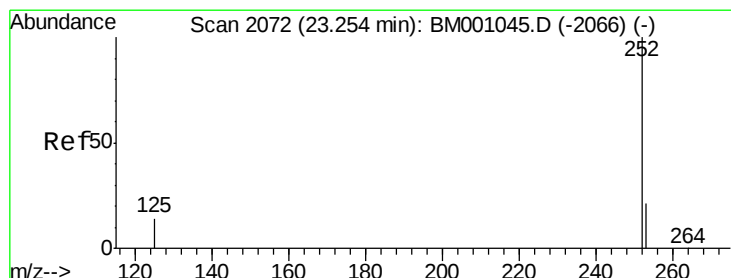
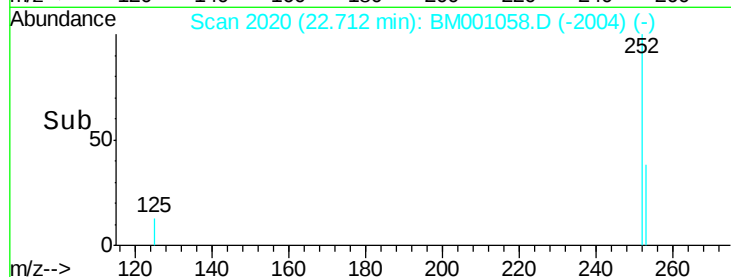
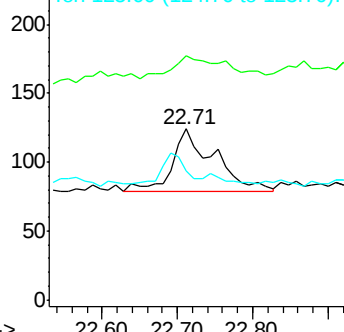
125 75.8 10.6 15.8#



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: 0.00 ng

RT: 23.25 min Scan# 2072

Delta R.T. 0.00 min

Lab File: BM001058.D

Acq: 18 Apr 2015 13:59

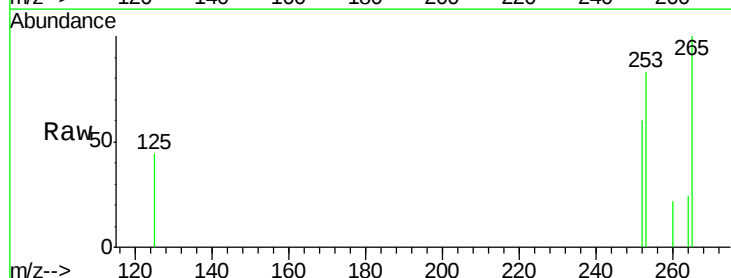
Tgt Ion:252 Resp: 94

Ion Ratio Lower Upper

252 100

253 137.9 18.6 27.8#

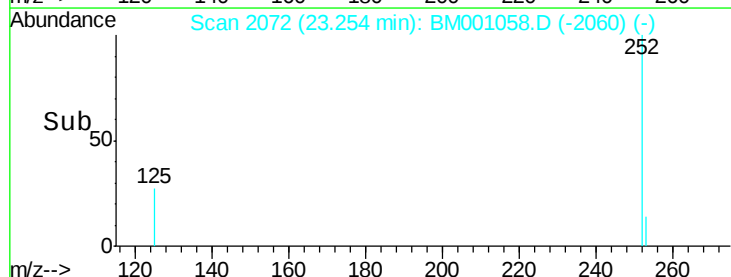
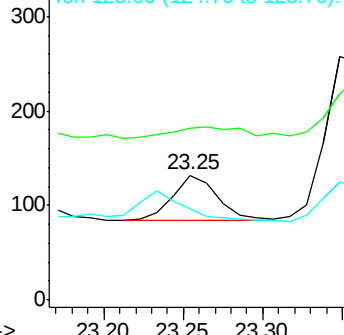
125 73.5 11.9 17.9#

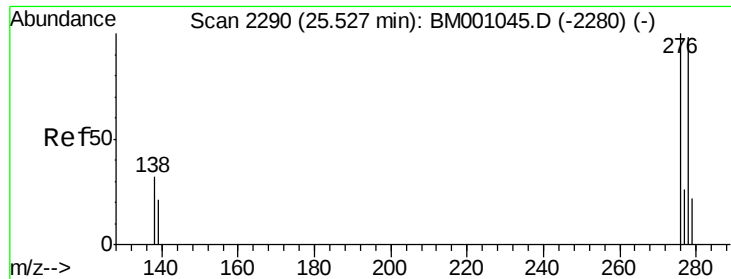


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

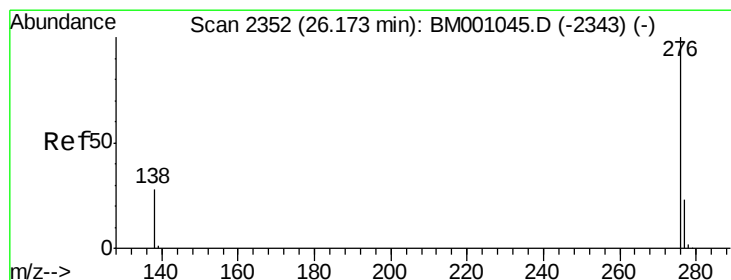
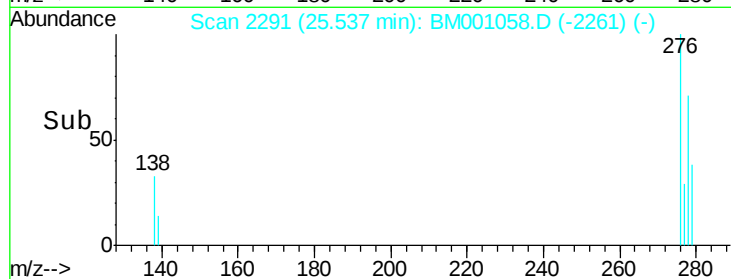
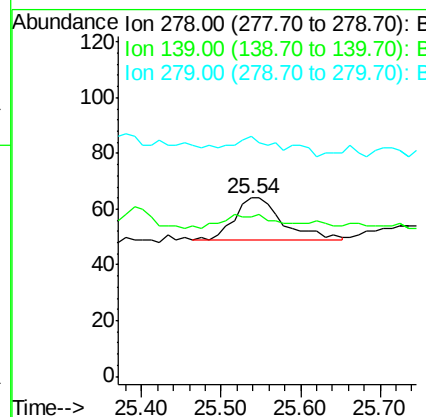
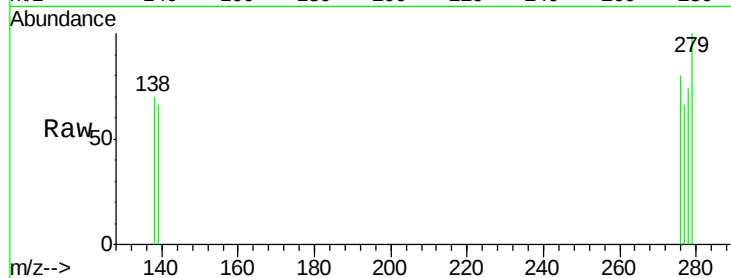
Ion 125.00 (124.70 to 125.70): E





#29
Dibenzo(a,h)anthracene
Concen: 0.00 ng
RT: 25.54 min Scan# 2291
Delta R.T. 0.01 min
Lab File: BM001058.D
Acq: 18 Apr 2015 13:59

Tot Ion: 278 Resp: 64
Ion Ratio Lower Upper
278 100
139 89.1 18.2 27.2#
279 134.4 19.1 28.7#



#30
Benzo(g,h,i)perylene
Concen: 0.00 ng
RT: 26.18 min Scan# 2353
Delta R.T. 0.01 min
Lab File: BM001058.D
Acq: 18 Apr 2015 13:59

Tgt Ion: 276 Resp: 98
Ion Ratio Lower Upper
276 100
277 81.2 19.0 28.4#
138 82.6 23.4 35.2#

