FIG. 1

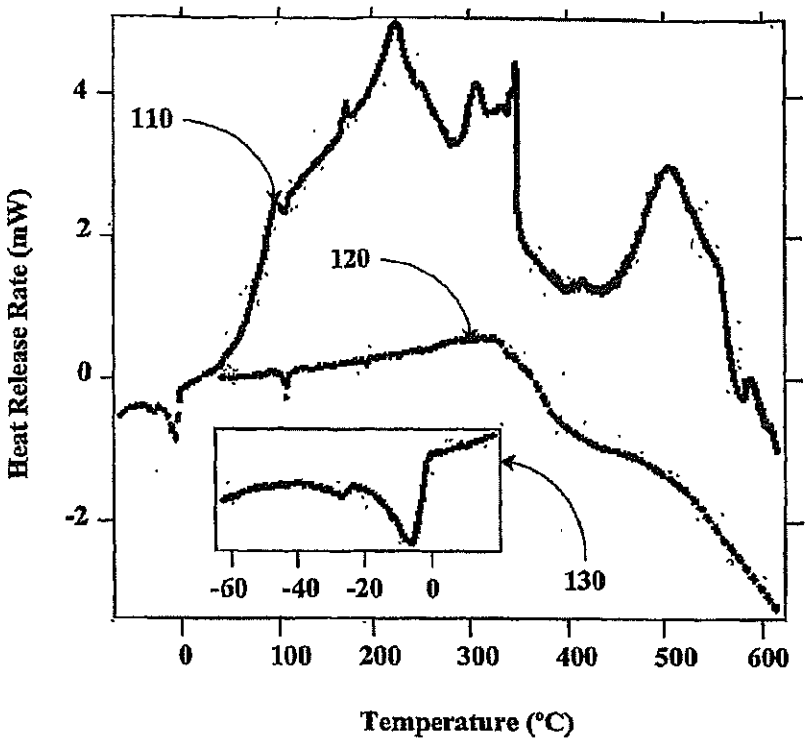

Heat Release Rate (mW)
4
2
0
-2
110
120
130
-60
-40
-20
0
0
100
200
300
400
500
600
Temperature (°C)

FIG. 2

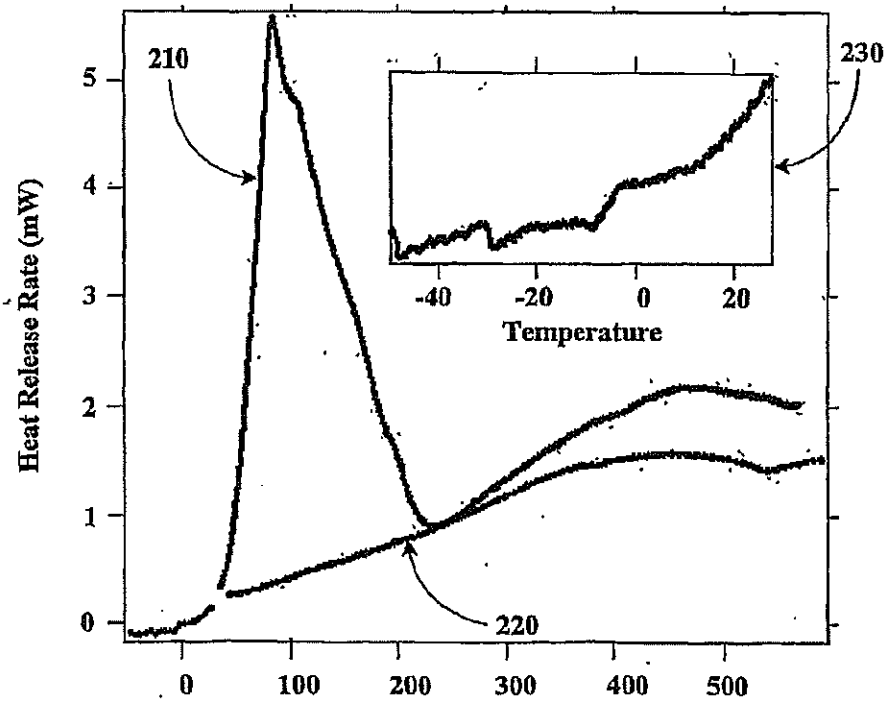

Heat Release Rate (mW)
5
4
3
2
1
0
210
220
230
-40
-20
0
20
Temperature
0
100
200
300
400
500

FIG. 3

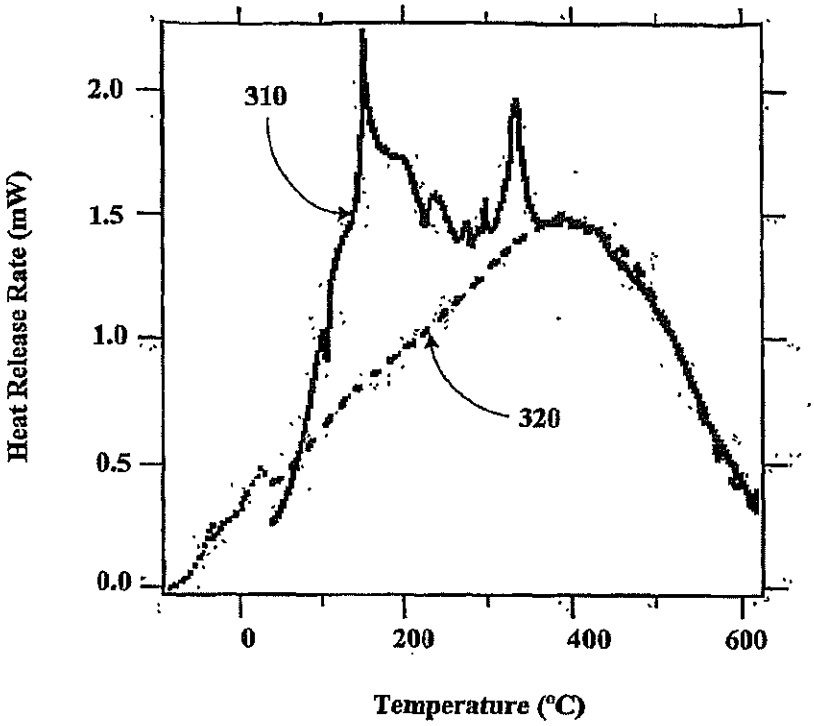

Heat Release Rate (mW)
2.0
1.5
1.0
0.5
0.0
310
320
0
200
400
600
Temperature (°C)

FIG. 4

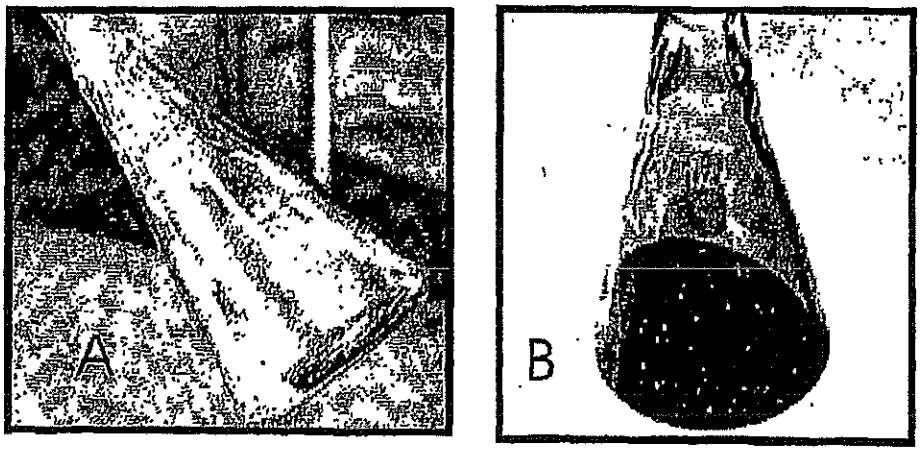

A
B

FIG. 5

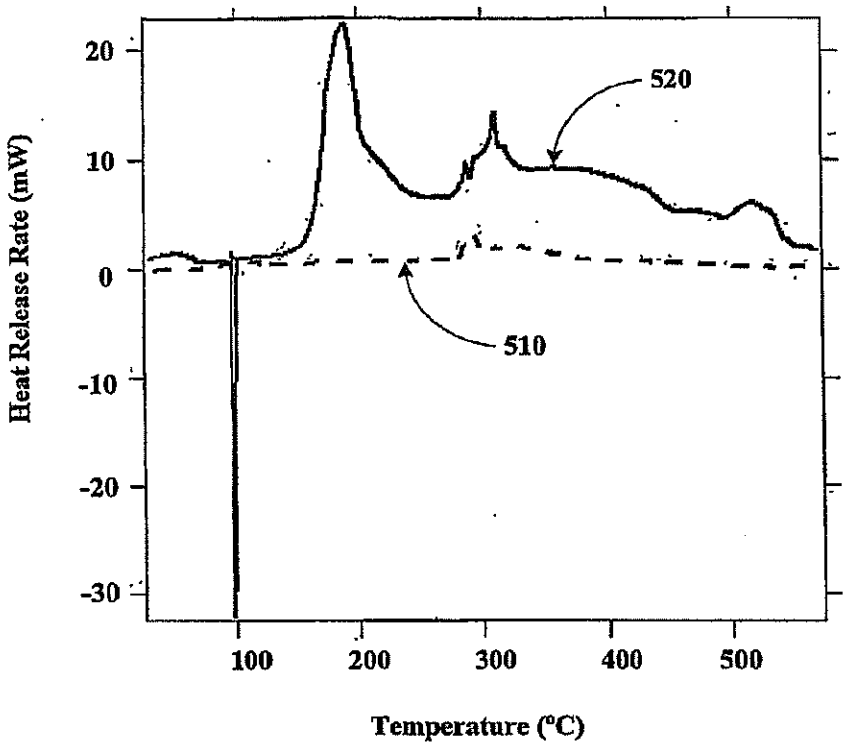

Heat Release Rate (mW)
20
10
0
-10
-20
-30
100
200
300
400
500
Temperature (°C)
520
510

FIG. 6

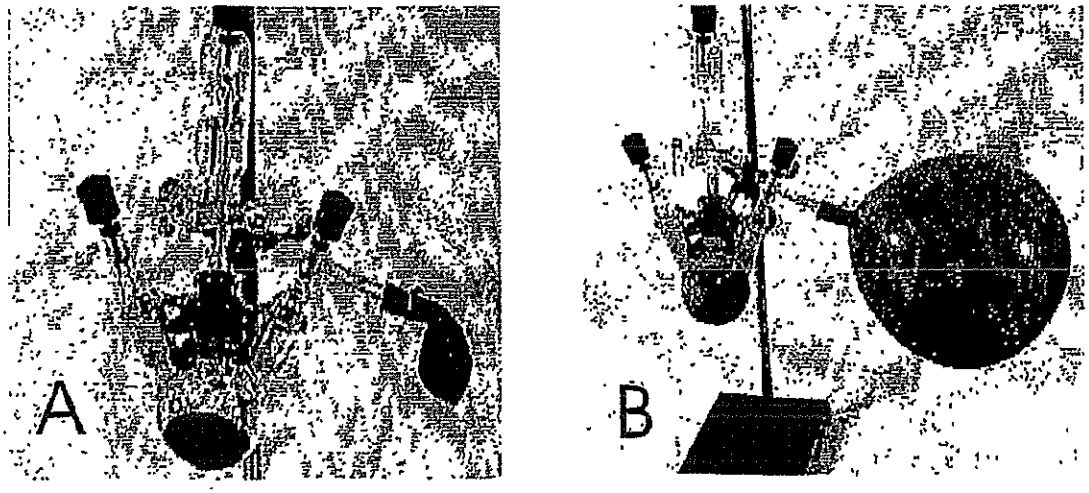

A
B

FIG. 7

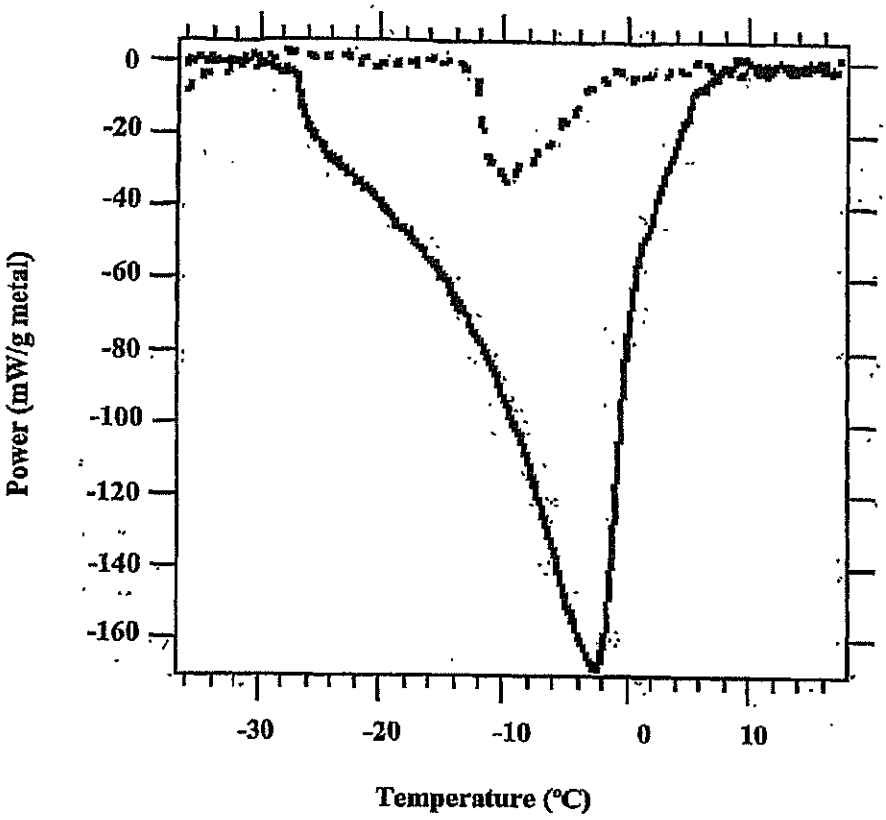

0
-20
-40
-60
-80
-100
-120
-140
-160
Power (mW/g metal)
-30
-20
-10
0
10
Temperature (°C)

FIG. 8

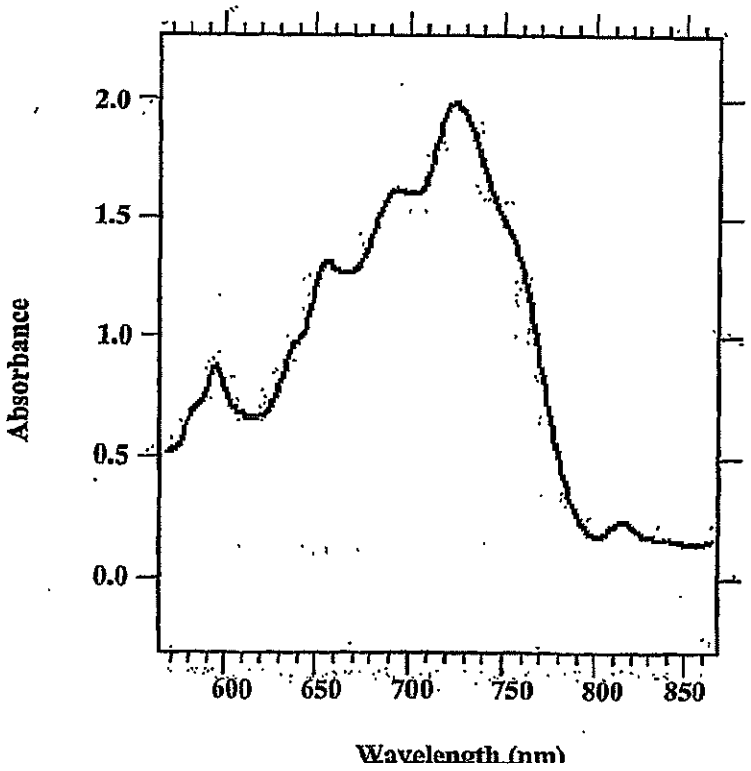

2.0
1.5
1.0
0.5
0.0
Absorbance
600
650
700
750
800
850
Wavelength (nm)

FIG. 9

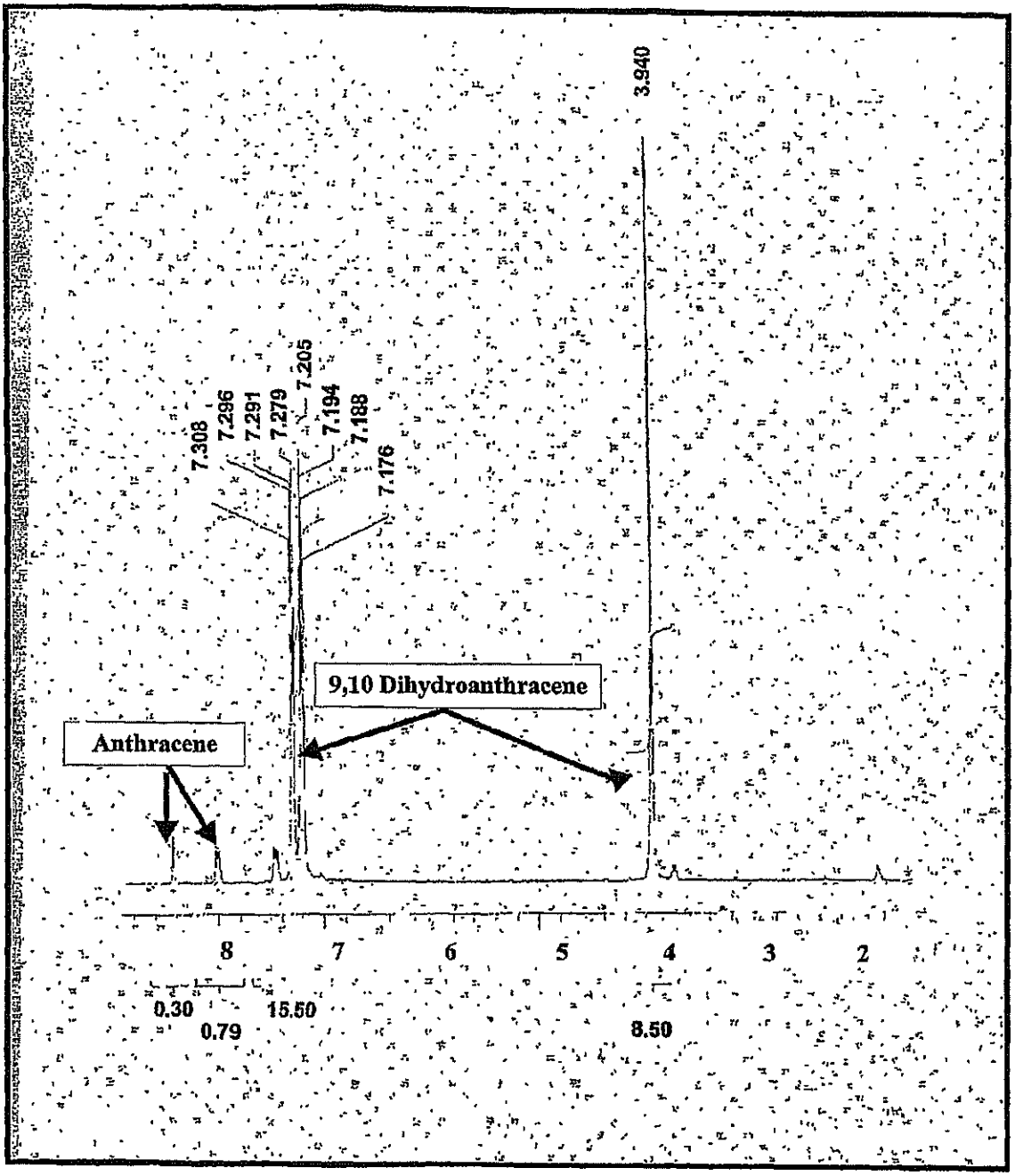

3.940
7.308
7.296
7.291
7.279
7.205
7.194
7.188
7.176
9,10 Dihydroanthracene
Anthracene
8
7
6
5
4
3
2
0.30
0.79
15.50
8.50

FIG. 10A

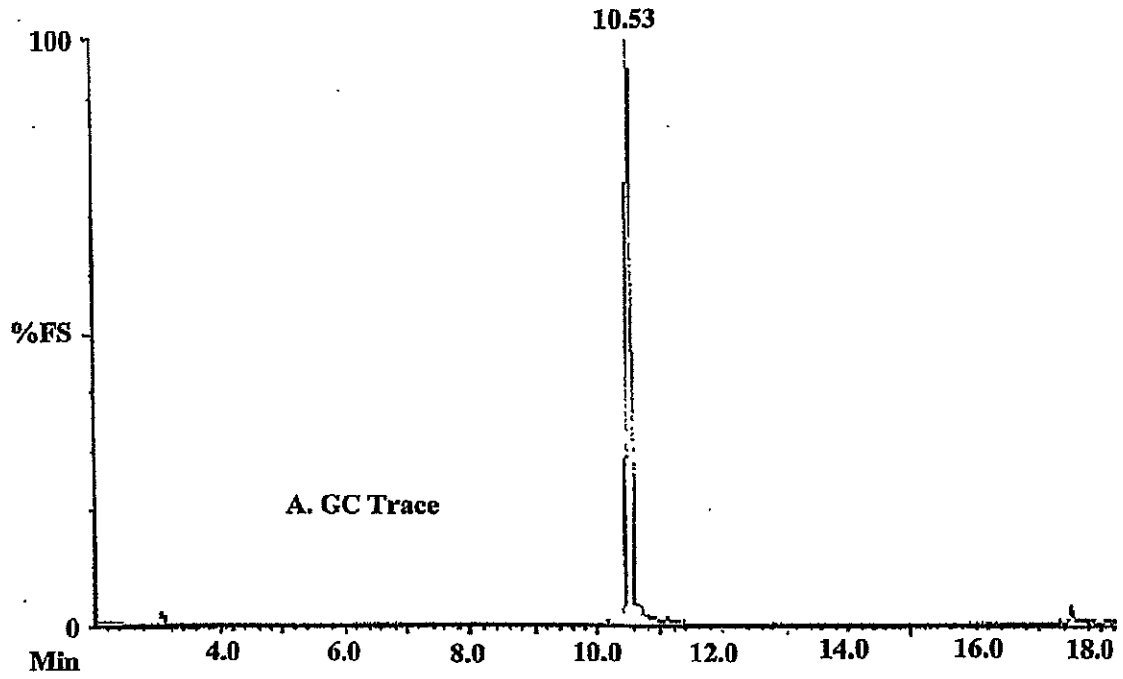


FIG. 10B

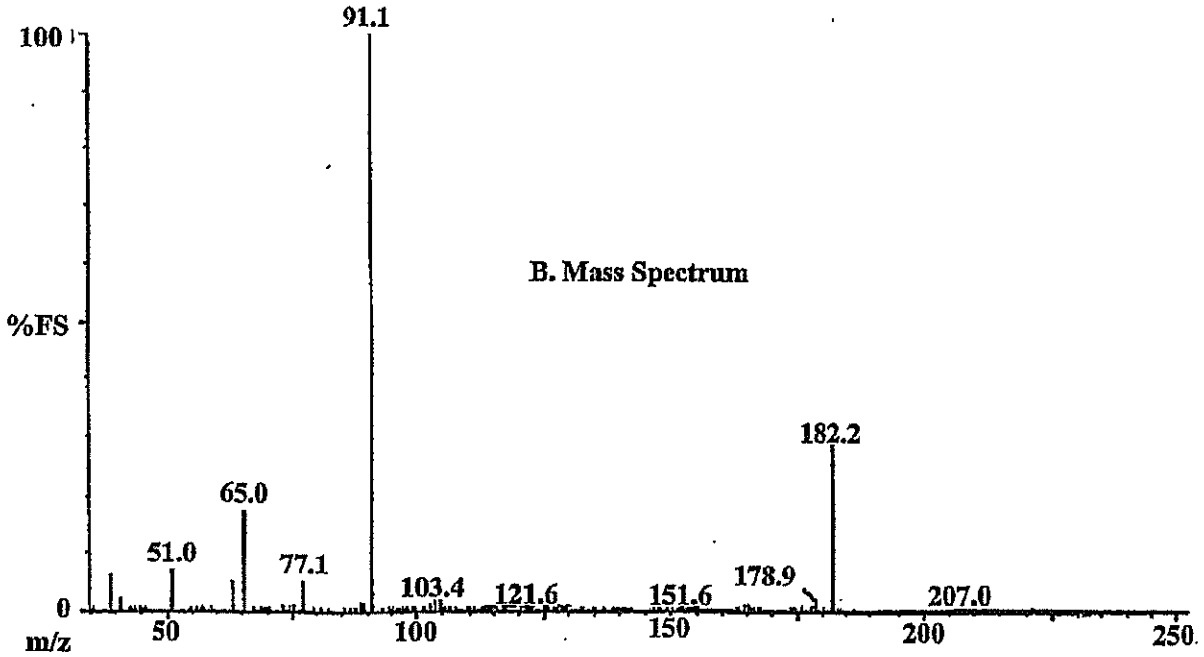
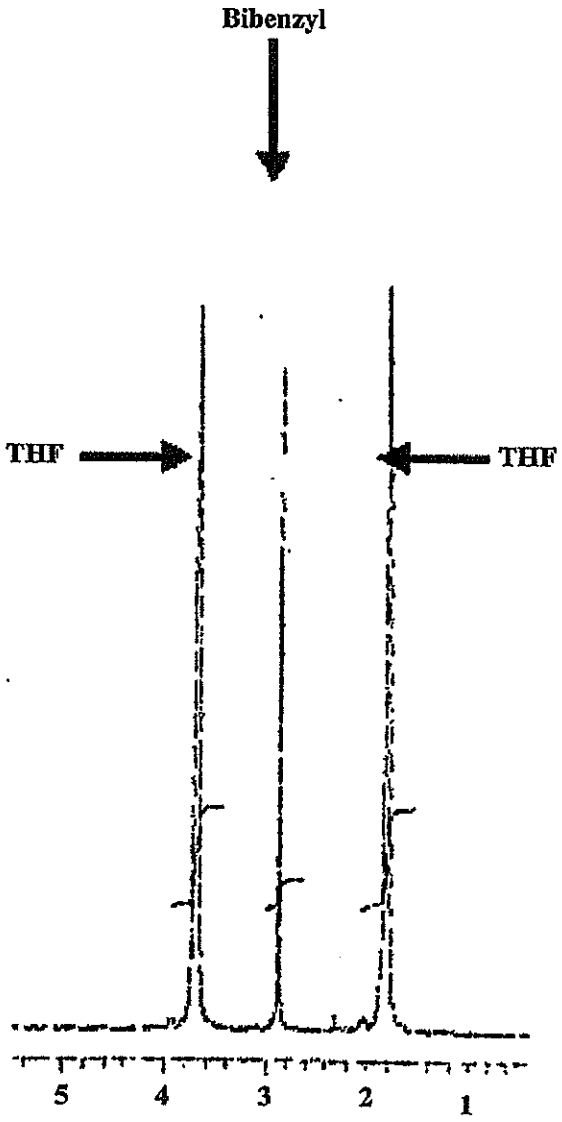


FIG. 10C



C. ^{1}H NMR

FIG. 11A

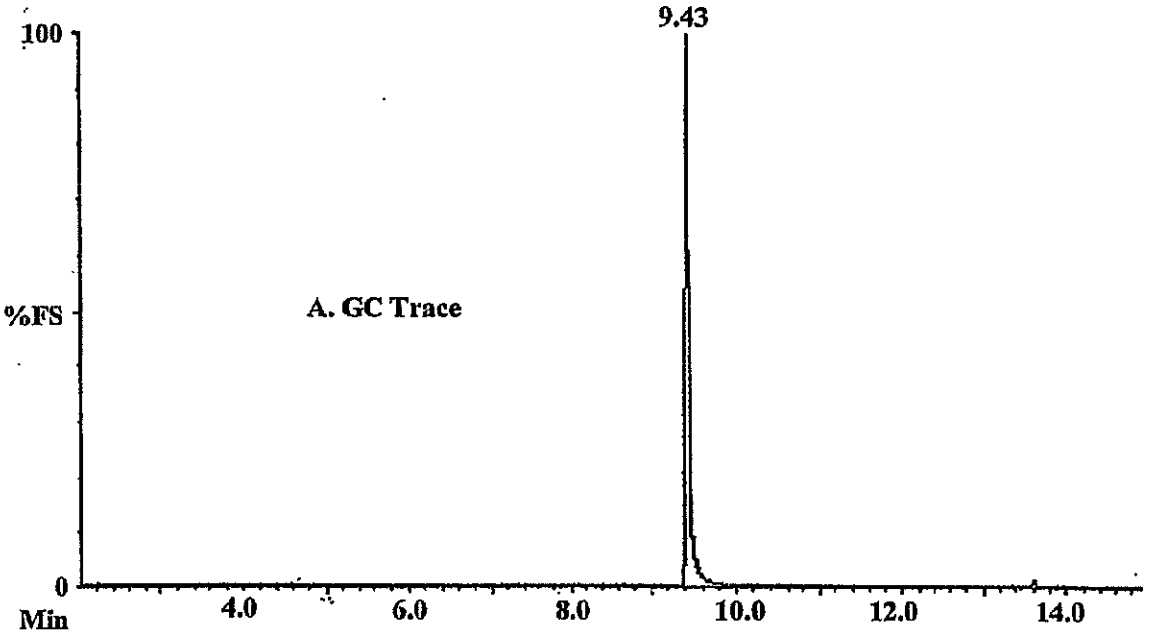


FIG. 11B

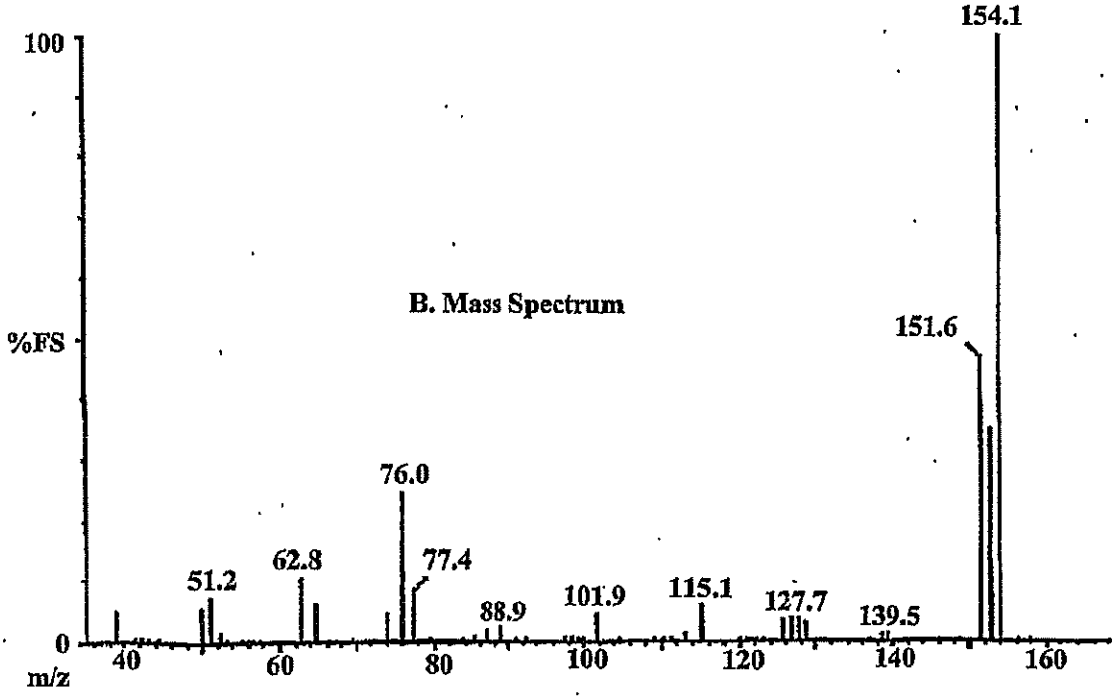
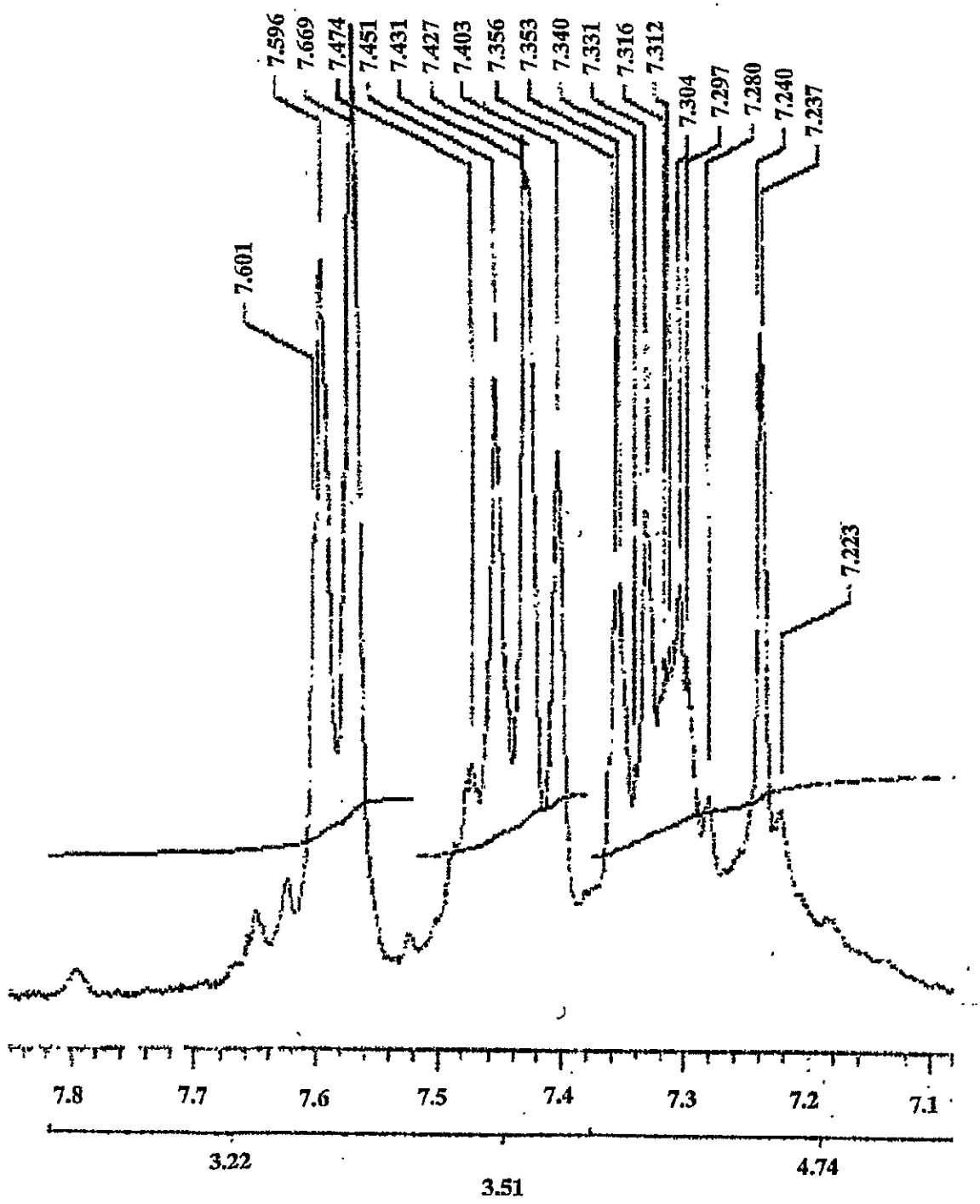


FIG. 11C



C. ^{1}H NMR Spectrum