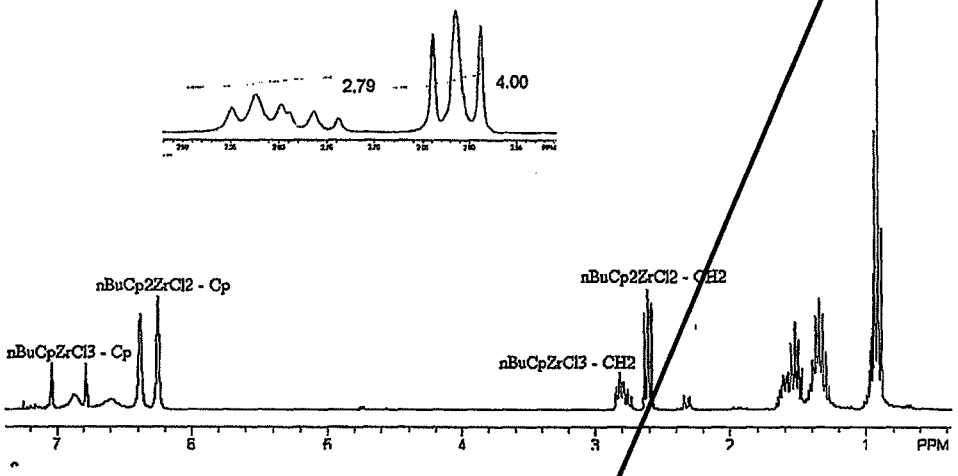
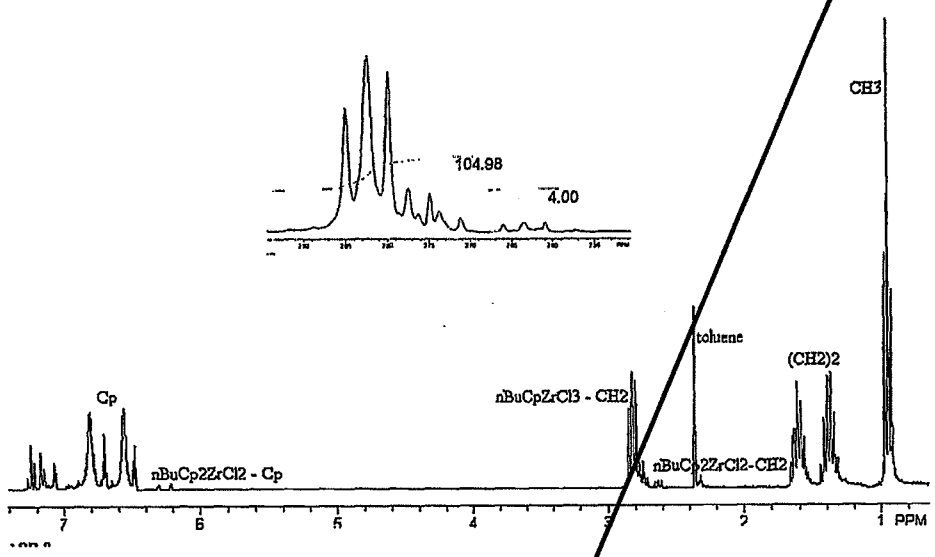
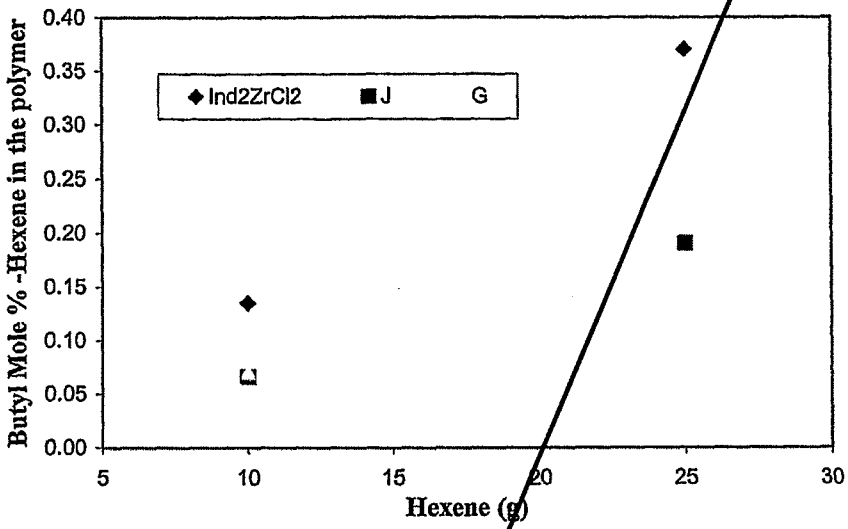
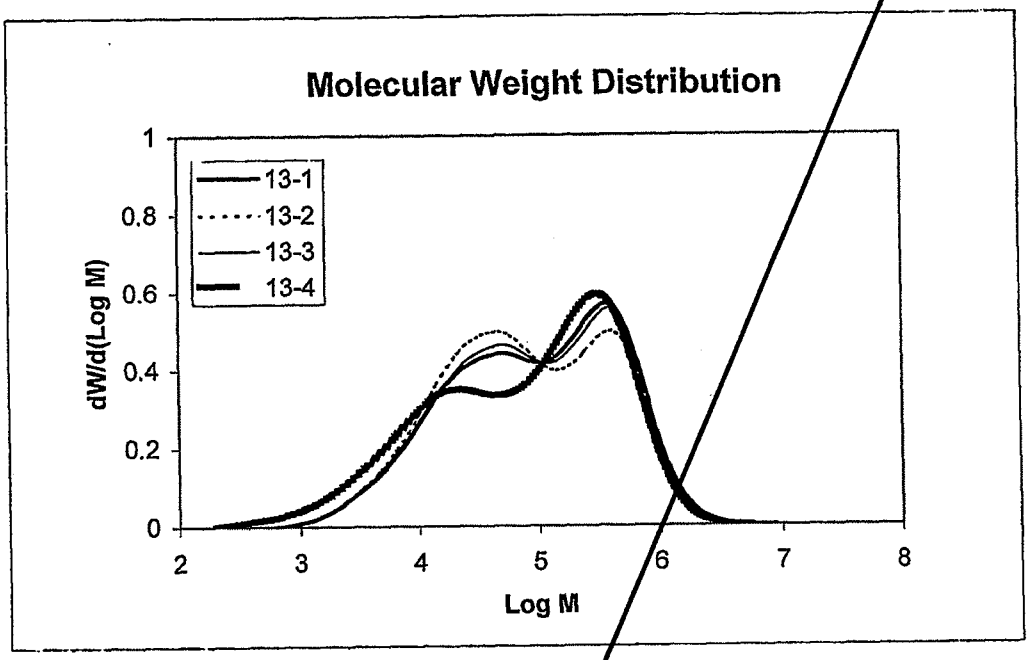

2.79
4.00
nBuCp2ZrCl2 - Cp
nBuCpZrCl3 - Cp
nBuCp2ZrCl2 - CH2
nBuCpZrCl3 - CH2
7
6
5
4
3
2
1
PPM


104.98
4.00
CH3
toluene
(CH2)2
Cp
nBuCpZrCl3 - CH2
nBuCp2ZrCl2 - Cp
nBuCp2ZrCl2-CH2
7
6
5
4
3
2
1 PPM


Butyl Mole % -Hexene in the polymer
0.40
0.35
0.30
0.25
0.20
0.15
0.10
0.05
0.00
Ind2ZrCl2
J
G
5
10
15
20
25
30
Hexene (g)


Molecular Weight Distribution
dW/d(Log M)
Log M
13-1
13-2
13-3
13-4
0
0.2
0.4
0.6
0.8
1
2
3
4
5
6
7
8

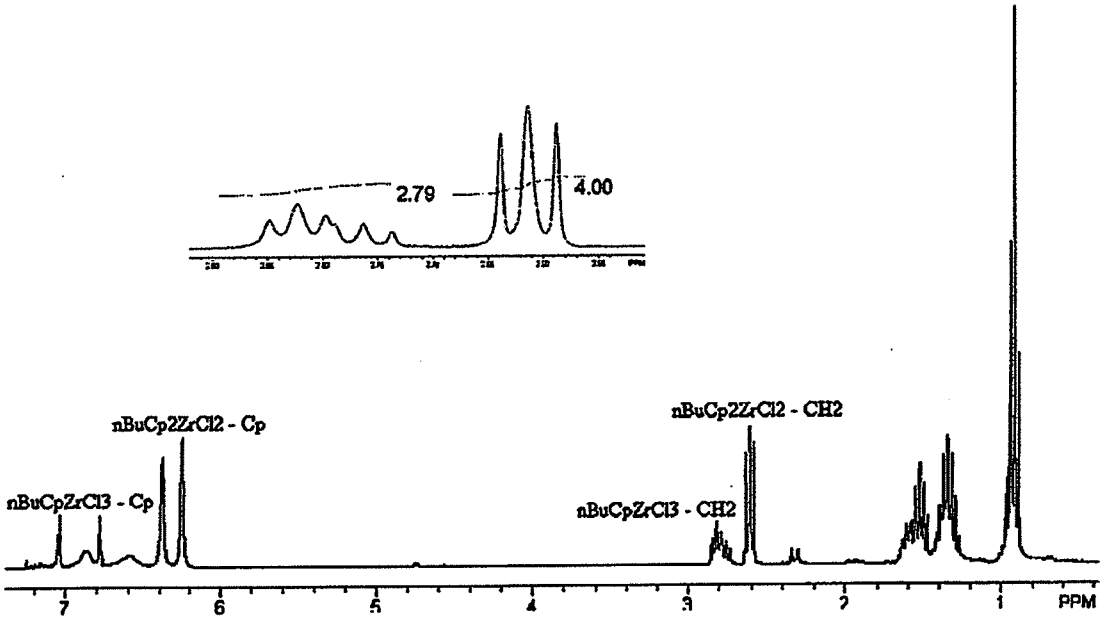

2.79
4.00
nBuCp2ZrCl2 - Cp
nBuCpZrCl3 - Cp
nBuCp2ZrCl2 - CH2
nBuCpZrCl3 - CH2
7
6
5
4
3
2
1
PPM

FIG. 1

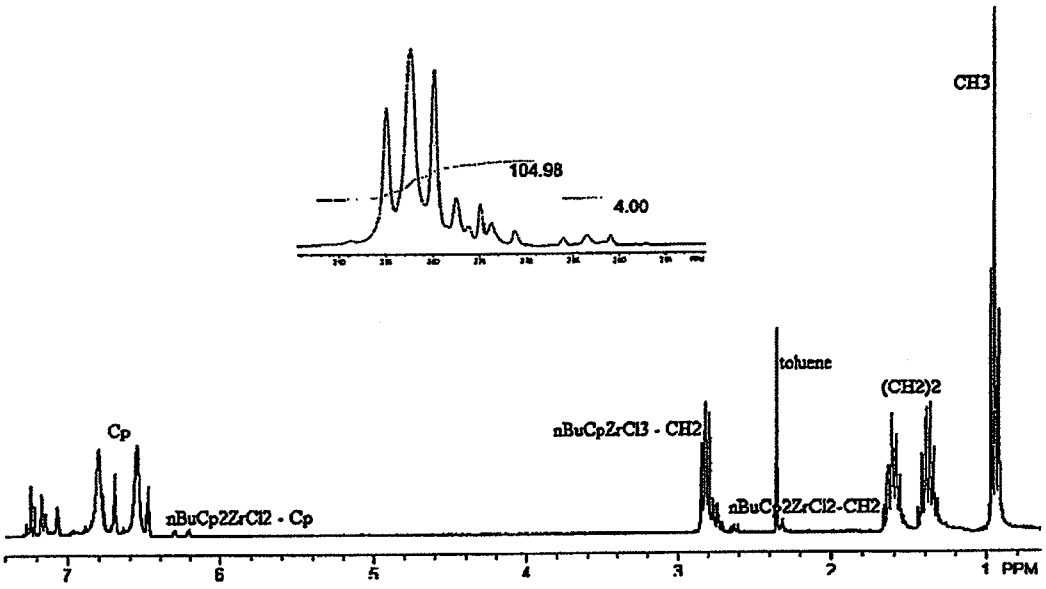

104.98
4.00
CH3
toluene
(CH2)2
Cp
nBuCpZrCl3 - CH2
nBuCp2ZrCl2 - Cp
nBuCp2ZrCl2-CH2
7
6
5
4
3
2
1 PPM

FIG. 2

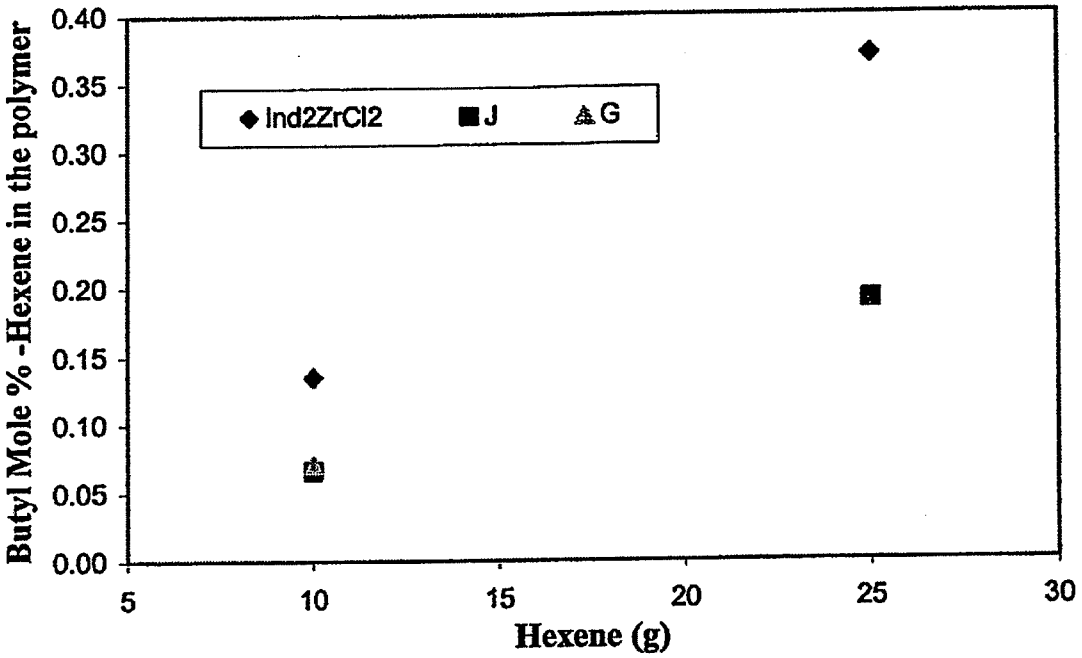

Butyl Mole % -Hexene in the polymer
0.40
0.35
0.30
0.25
0.20
0.15
0.10
0.05
0.00
Ind2ZrCl2
J
G
5
10
15
20
25
30
Hexene (g)

FIG. 3

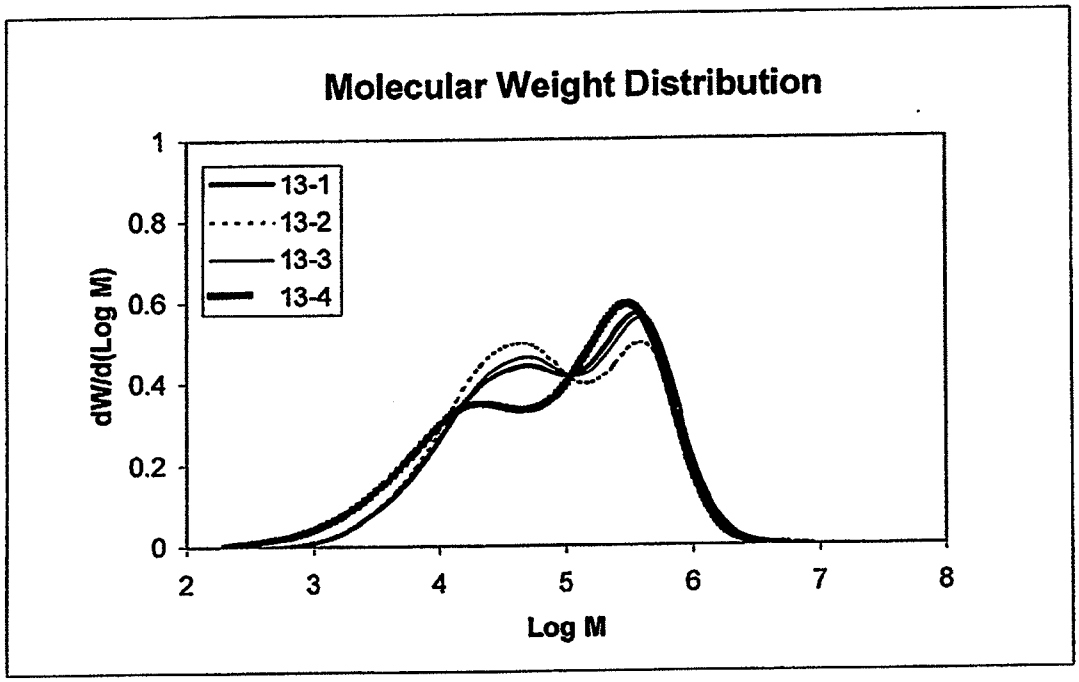

Molecular Weight Distribution
13-1
13-2
13-3
13-4
dW/d(Log M)
1
0.8
0.6
0.4
0.2
0
2
3
4
5
6
7
8
Log M

FIG. 4