FIG. 1

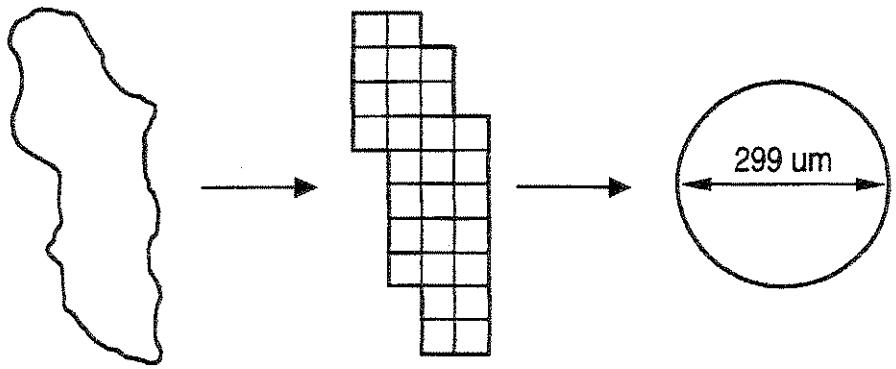


FIG. 2

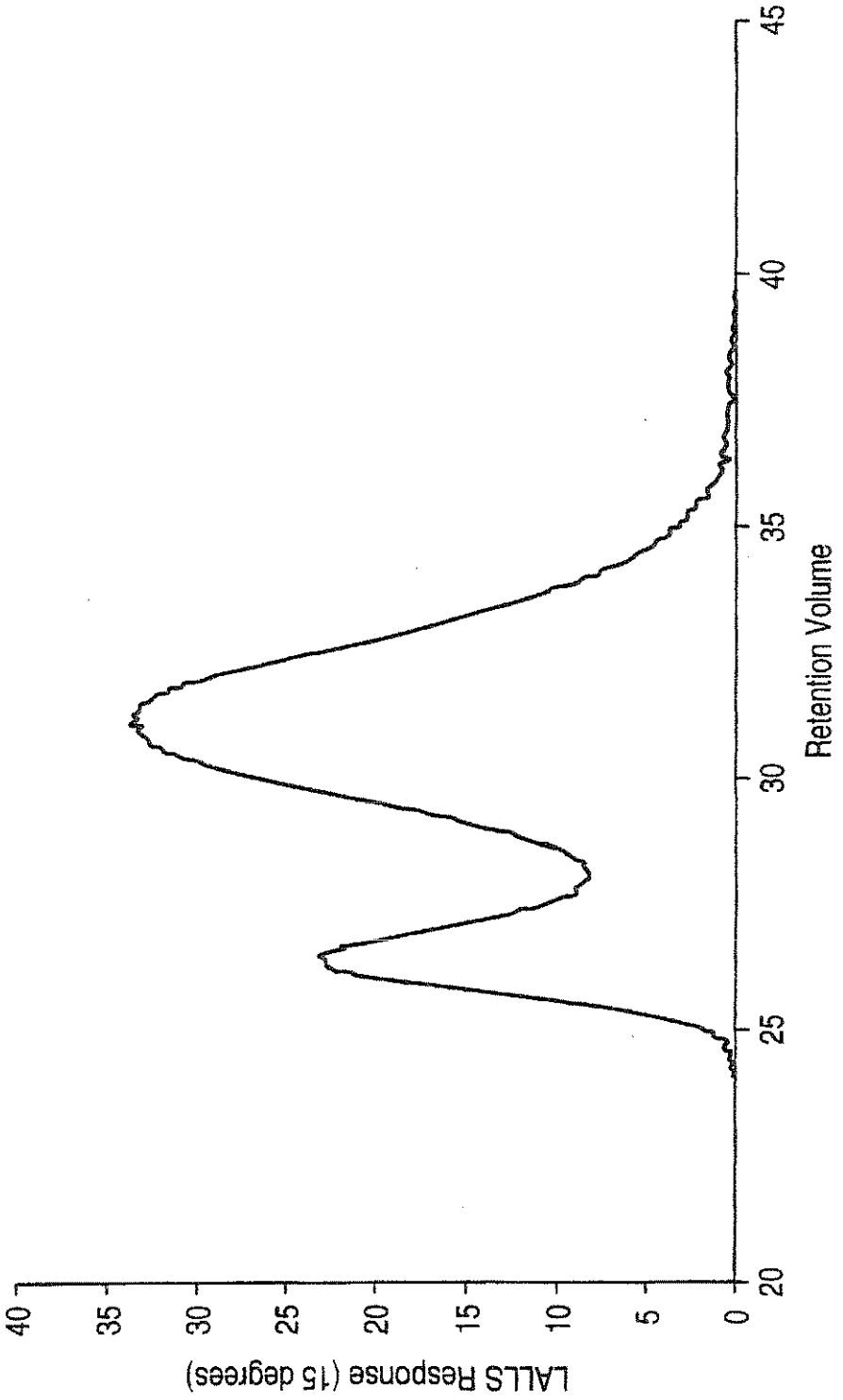

LALLS Response (15 degrees)
0
5
10
15
20
25
30
35
40
20
25
30
35
40
45
Retention Volume

FIG. 3

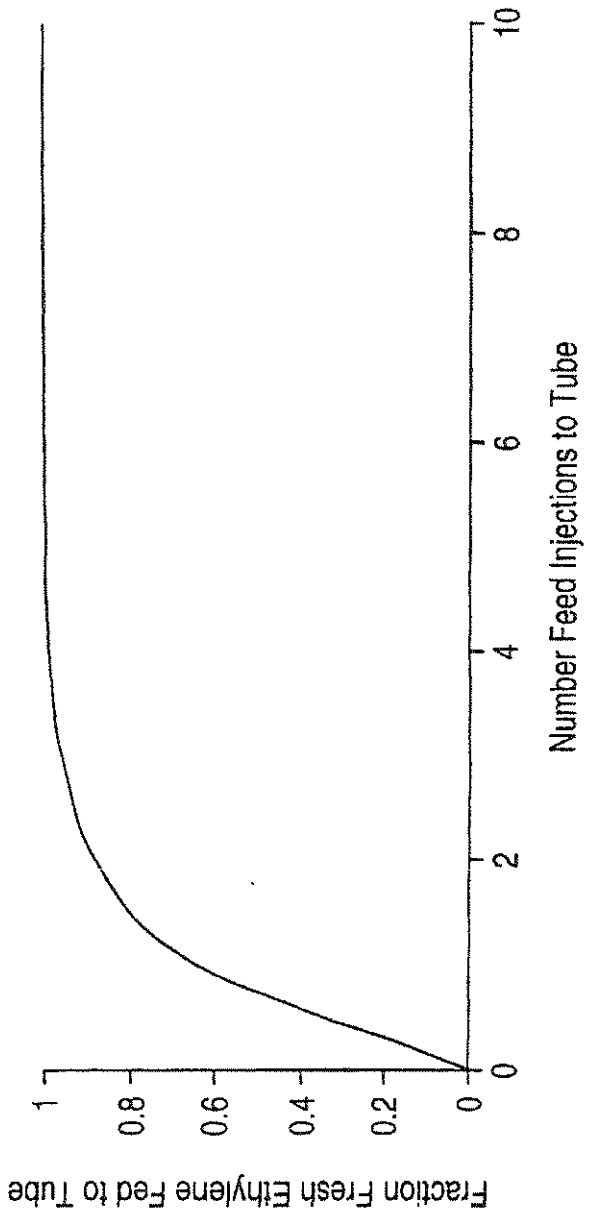

Fraction Fresh Ethylene Fed to Tube
0
0.2
0.4
0.6
0.8
1
0
2
4
6
8
10
Number Feed Injections to Tube

FIG. 4

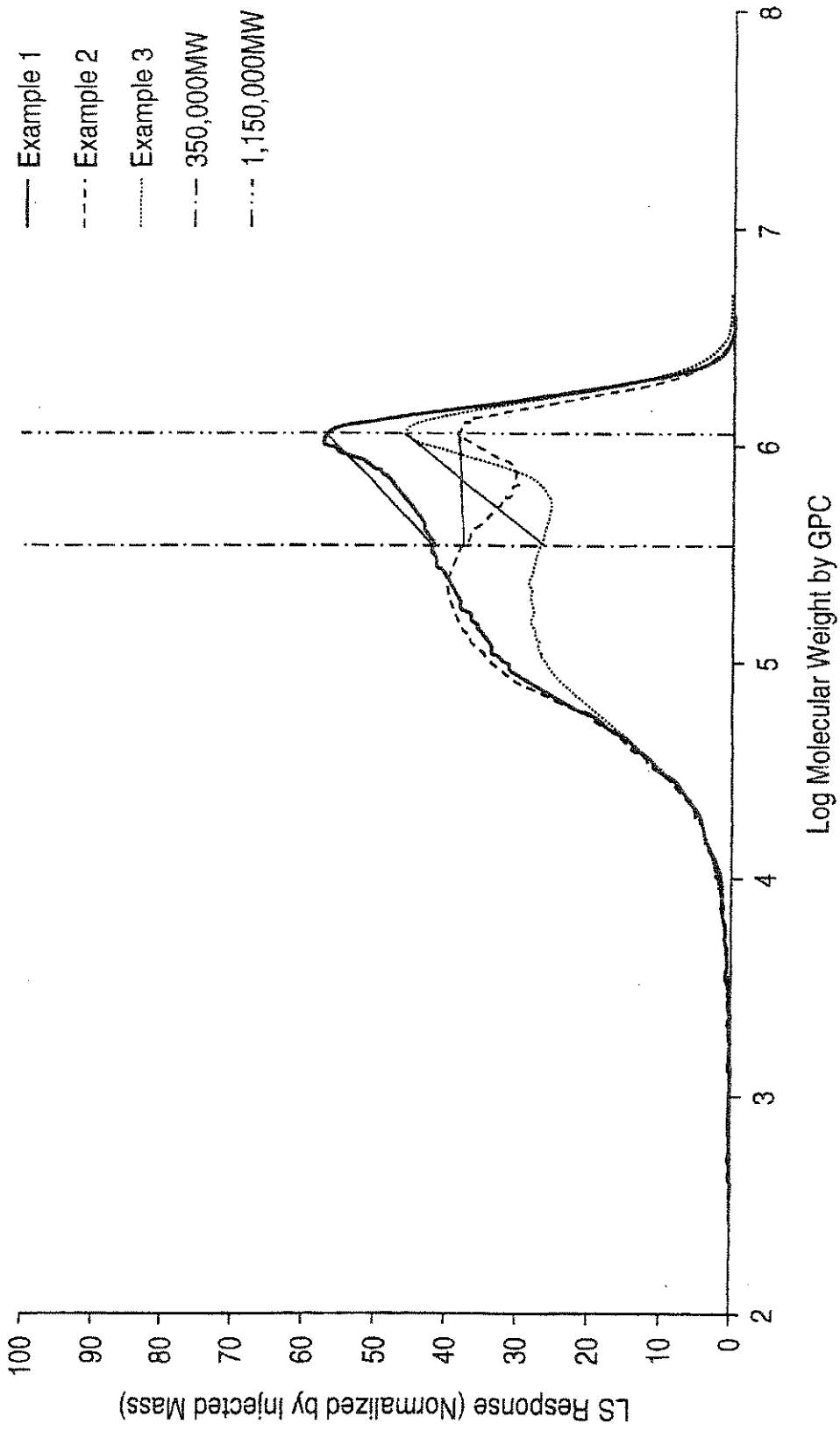

LALLS Response (15 degrees) vs. GPC Molecular Weight
Example 1
Example 2
Example 3
350,000MW
1,150,000MW
LS Response (Normalized by Injected Mass)
Log Molecular Weight by GPC
0
10
20
30
40
50
60
70
80
90
100
2
3
4
5
6
7
8

FIG. 5

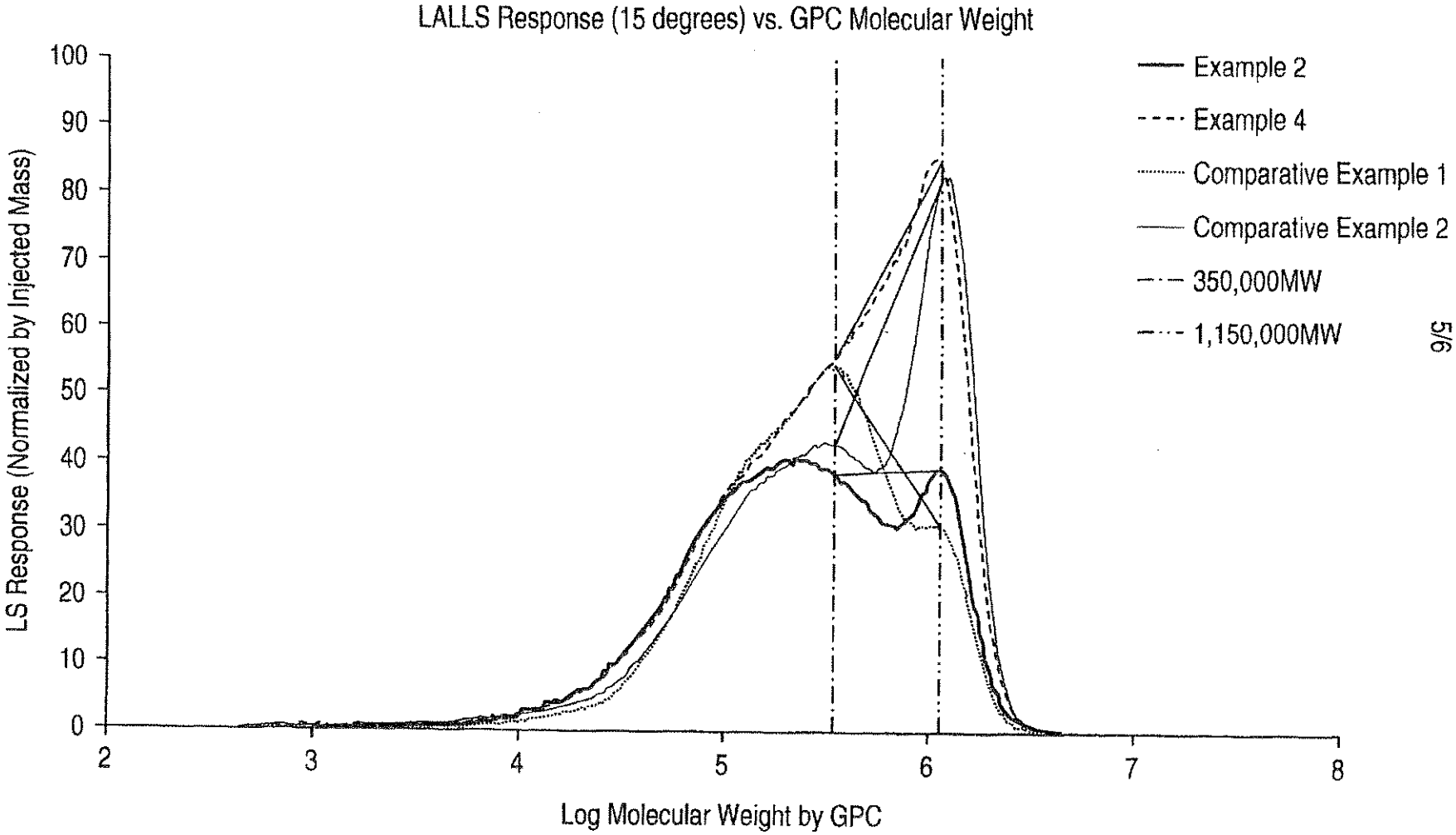
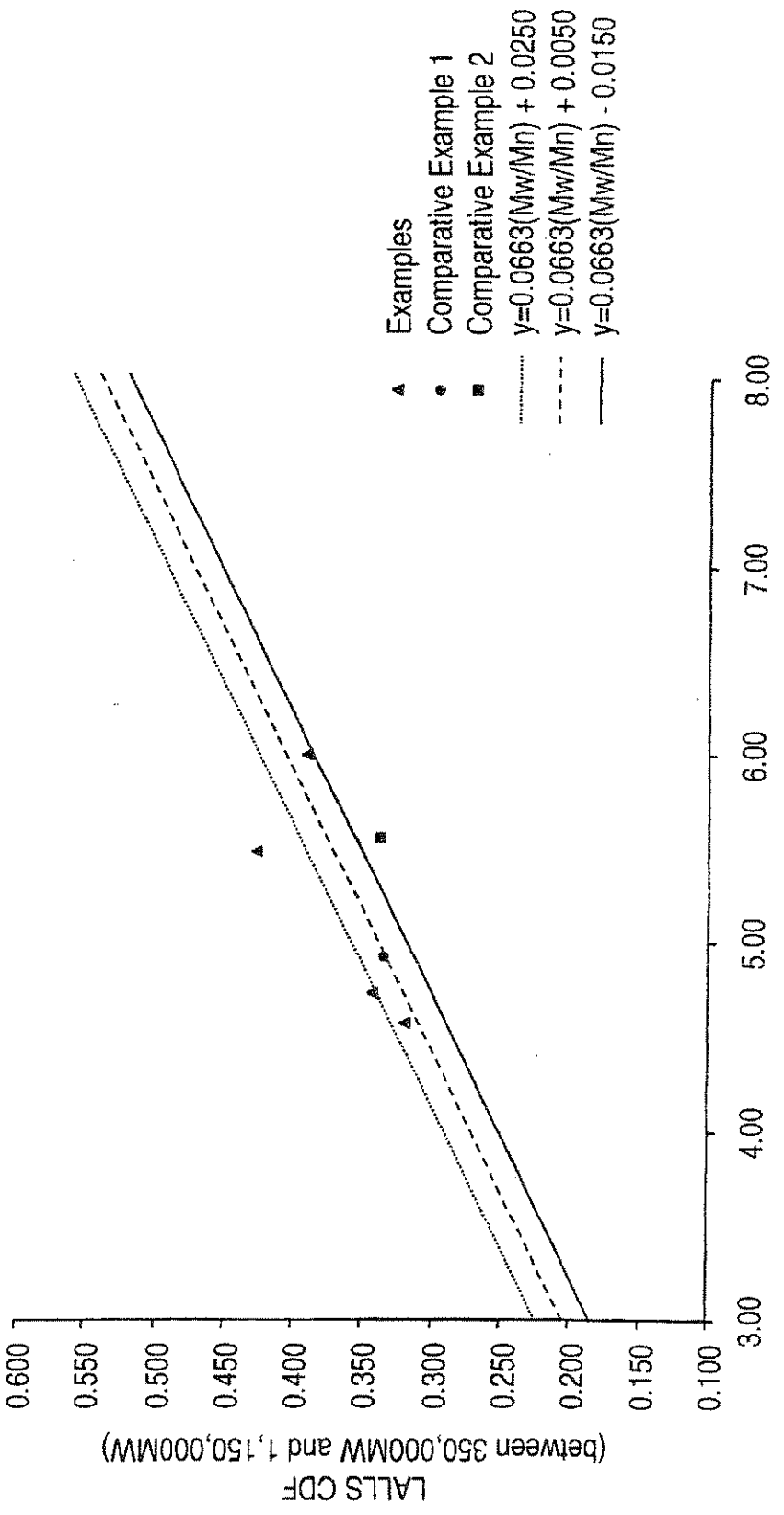

LALLS Response (15 degrees) vs. GPC Molecular Weight
LS Response (Normalized by Injected Mass)
100
90
80
70
60
50
40
30
20
10
0
2
3
4
5
6
7
8
Log Molecular Weight by GPC
Example 2
Example 4
Comparative Example 1
Comparative Example 2
350,000MW
1,150,000MW

FIG. 6


LALLS CDF
(between 350,000MW and 1,150,000MW)
0.600
0.550
0.500
0.450
0.400
0.350
0.300
0.250
0.200
0.150
0.100
3.00
4.00
5.00
6.00
7.00
8.00
Mw/Mn by GPC
Examples
Comparative Example 1
Comparative Example 2
y=0.0663(Mw/Mn) + 0.0250
y=0.0663(Mw/Mn) + 0.0050
y=0.0663(Mw/Mn) - 0.0150