FIG. 1

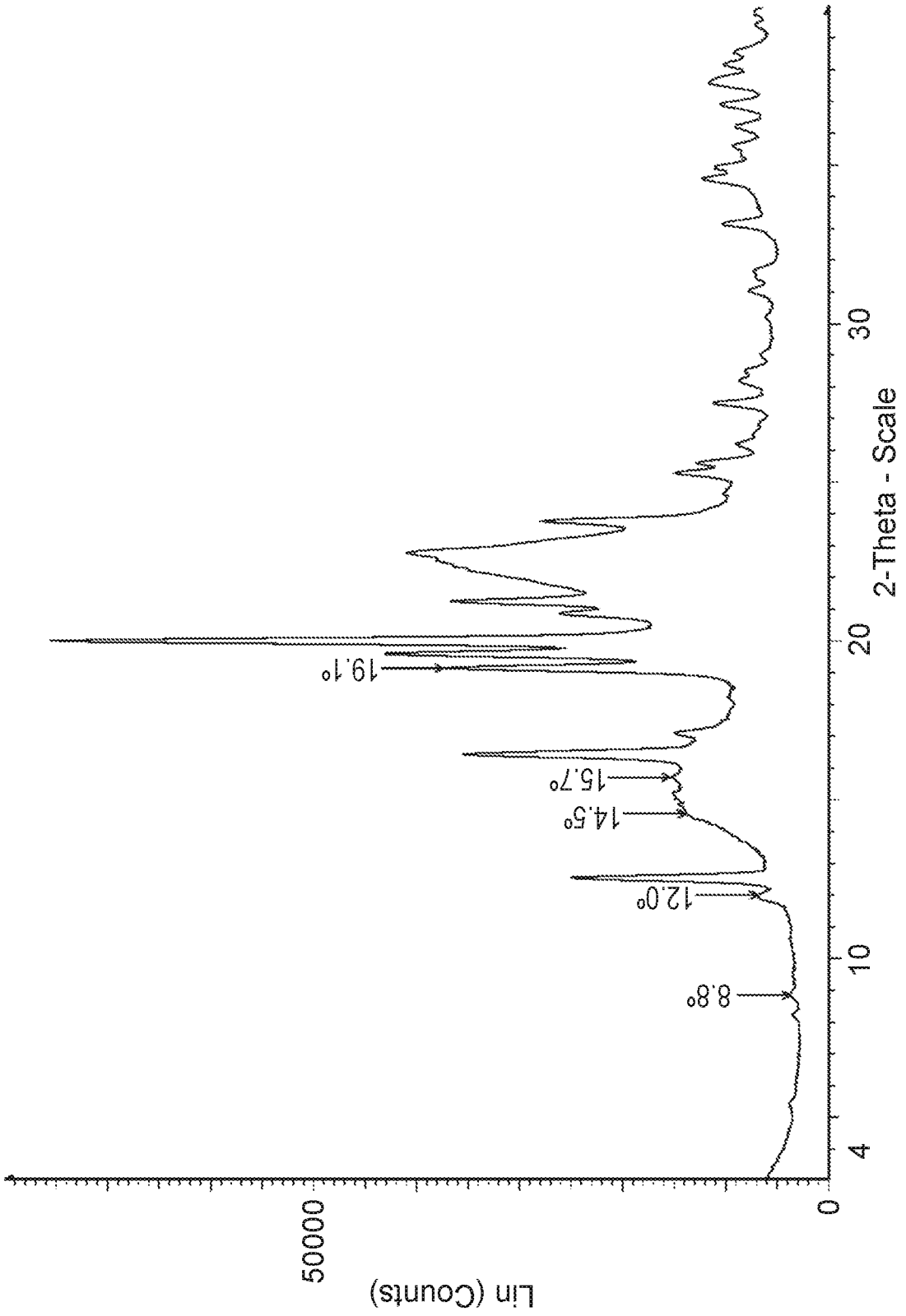


FIG. 2

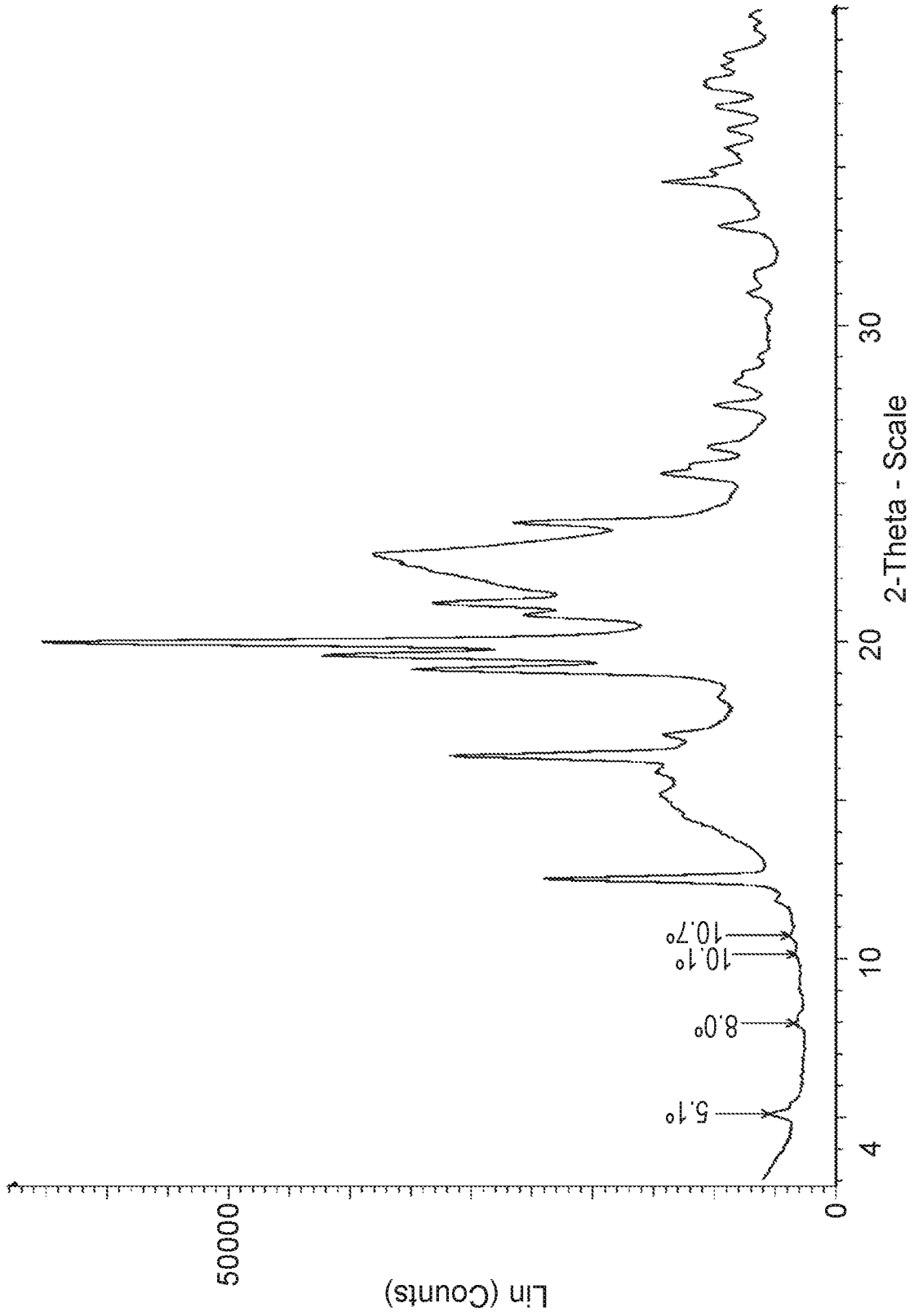


FIG. 3

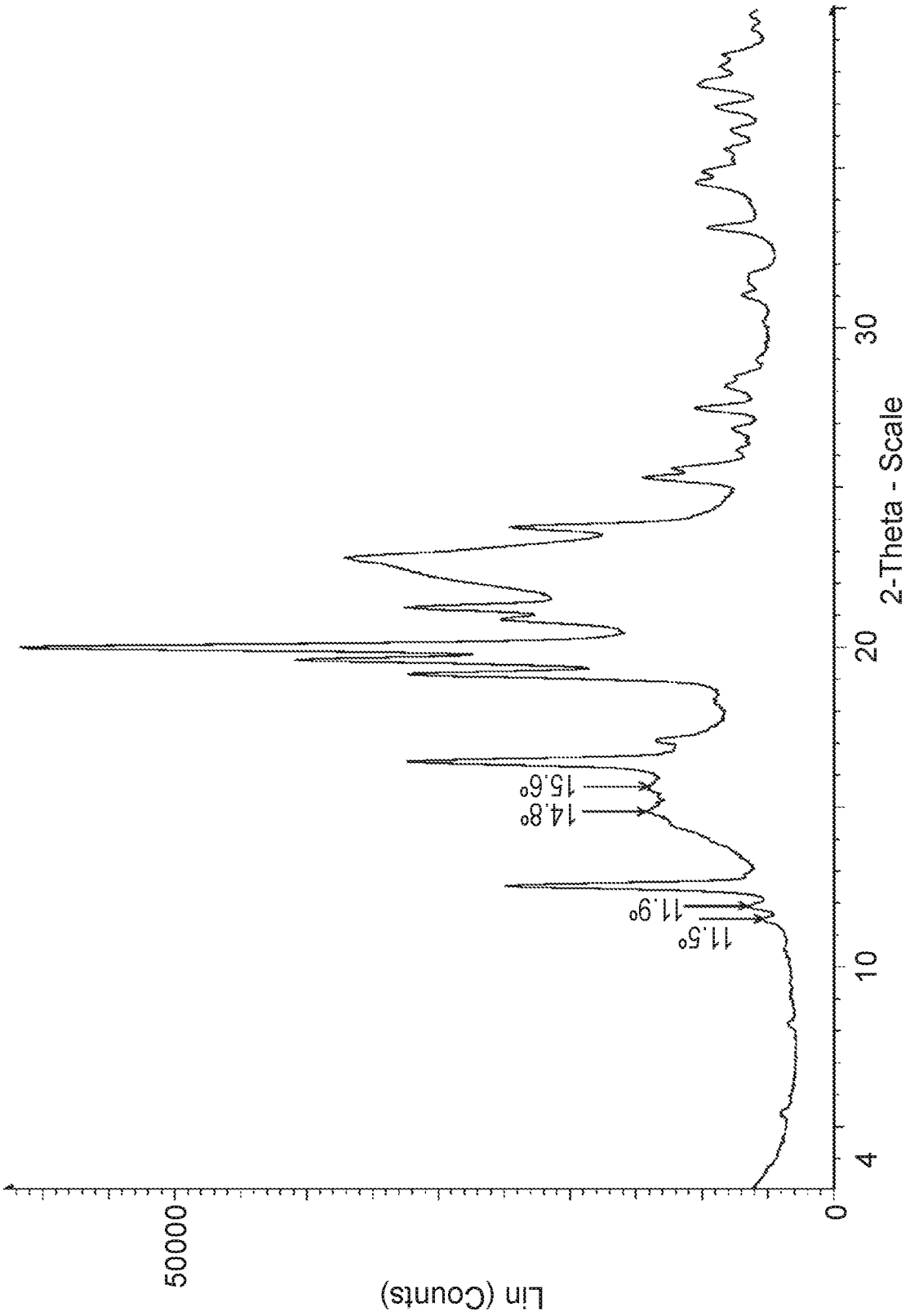


FIG. 4

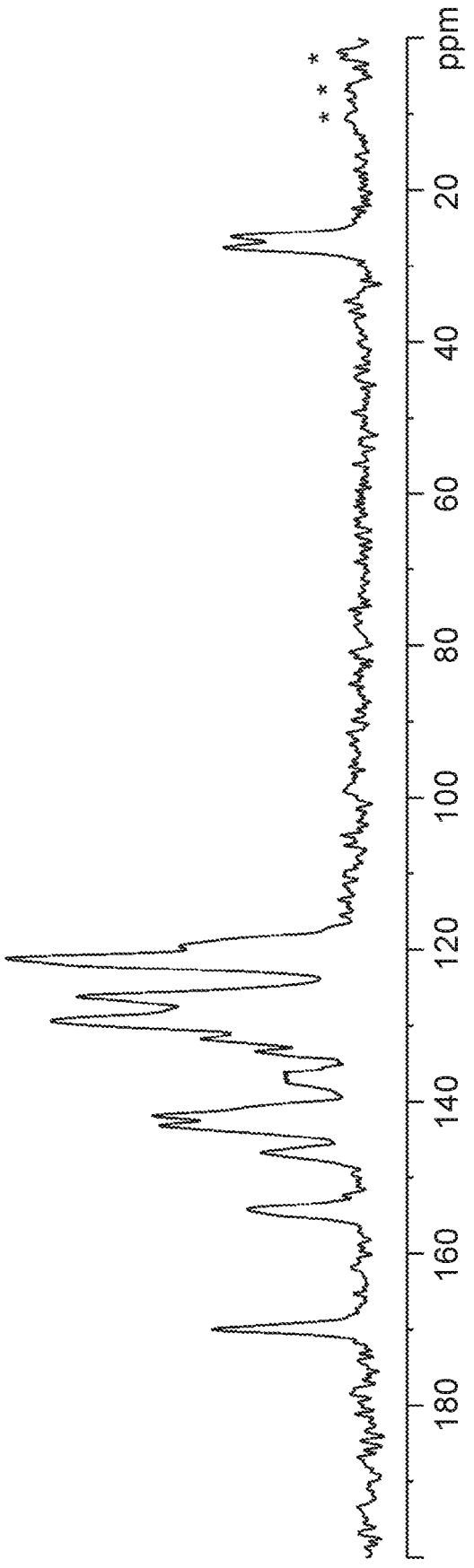


FIG. 5

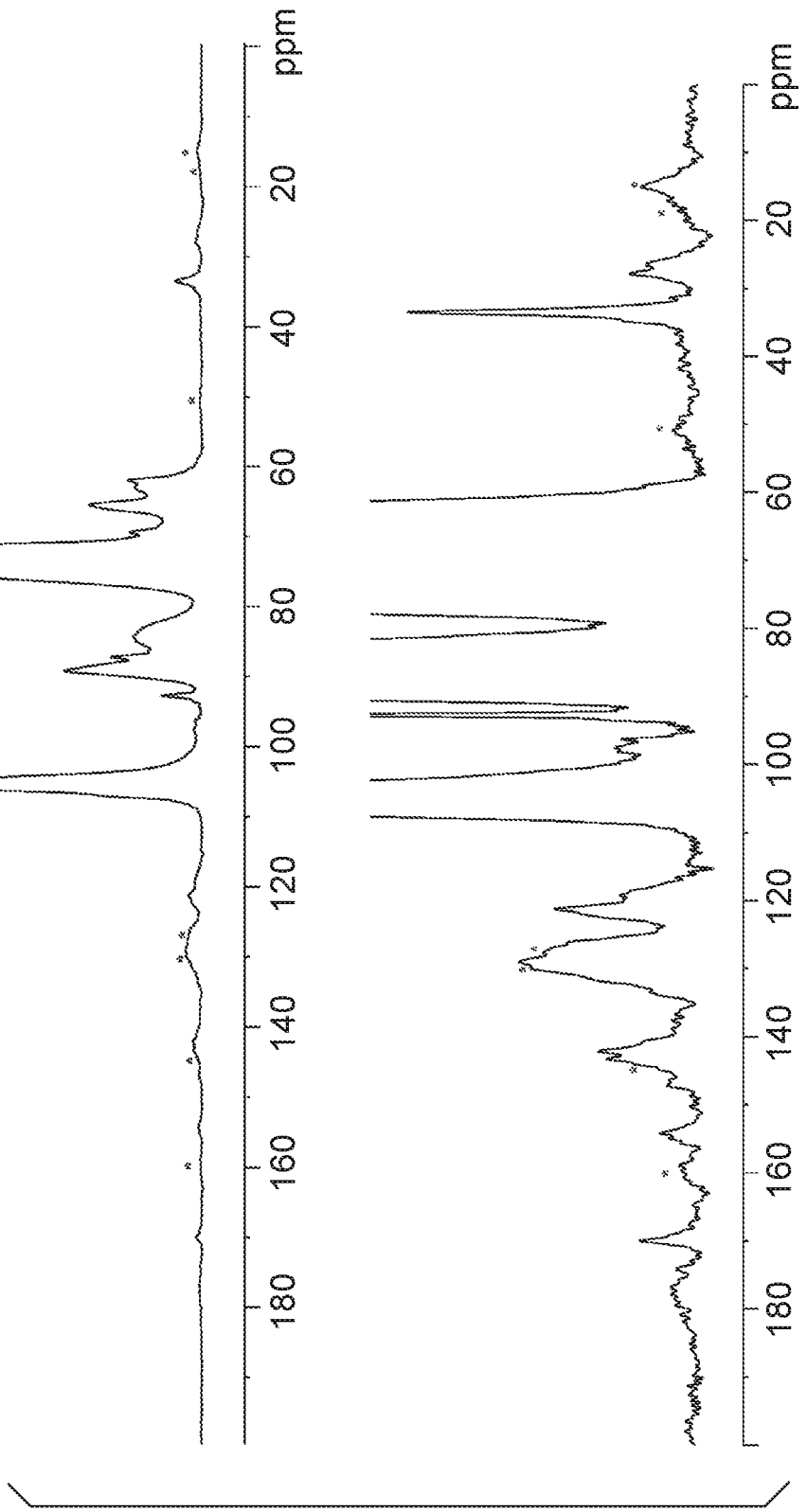

ppm
20
40
60
80
100
120
140
160
180
ppm
20
40
60
80
100
120
140
160
180

FIG. 6

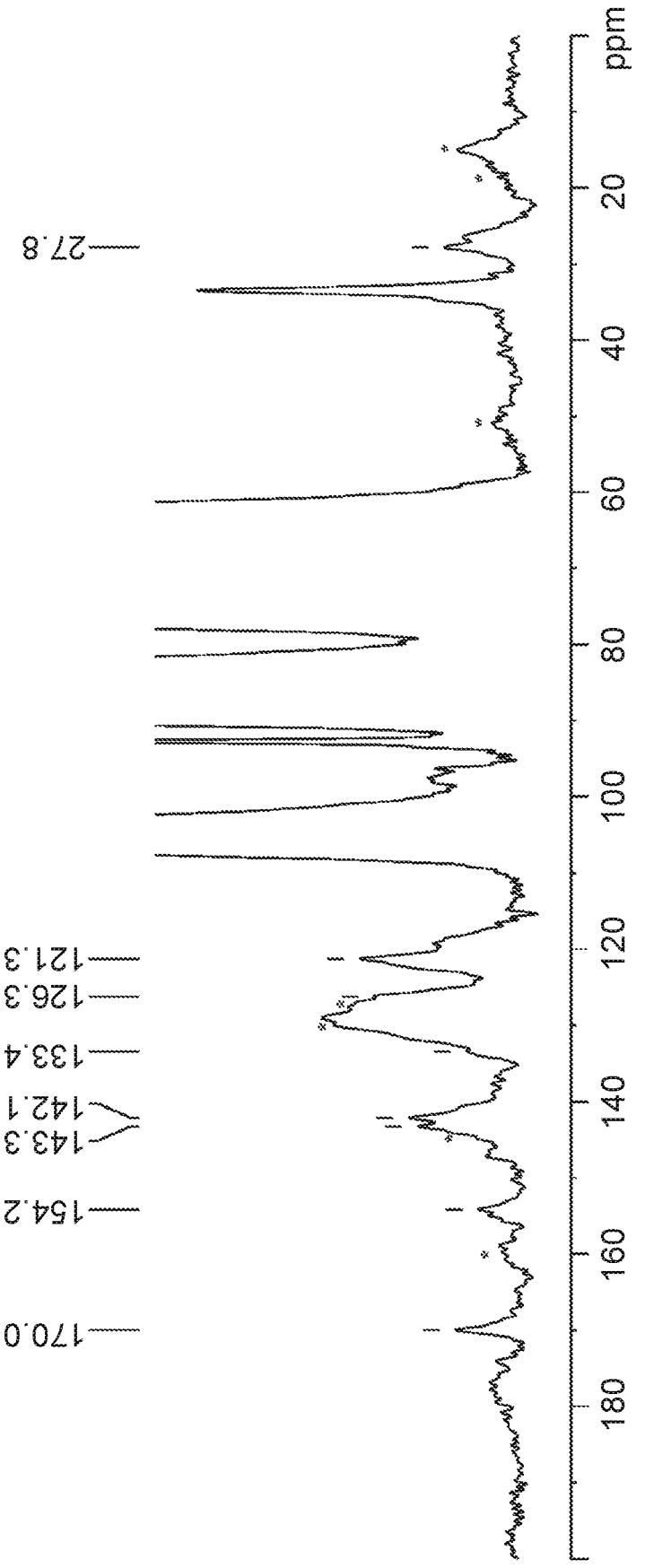

27.8
121.3
126.3
133.4
142.1
143.3
154.2
170.0
ppm
20
40
60
80
100
120
140
160
180

FIG. 7

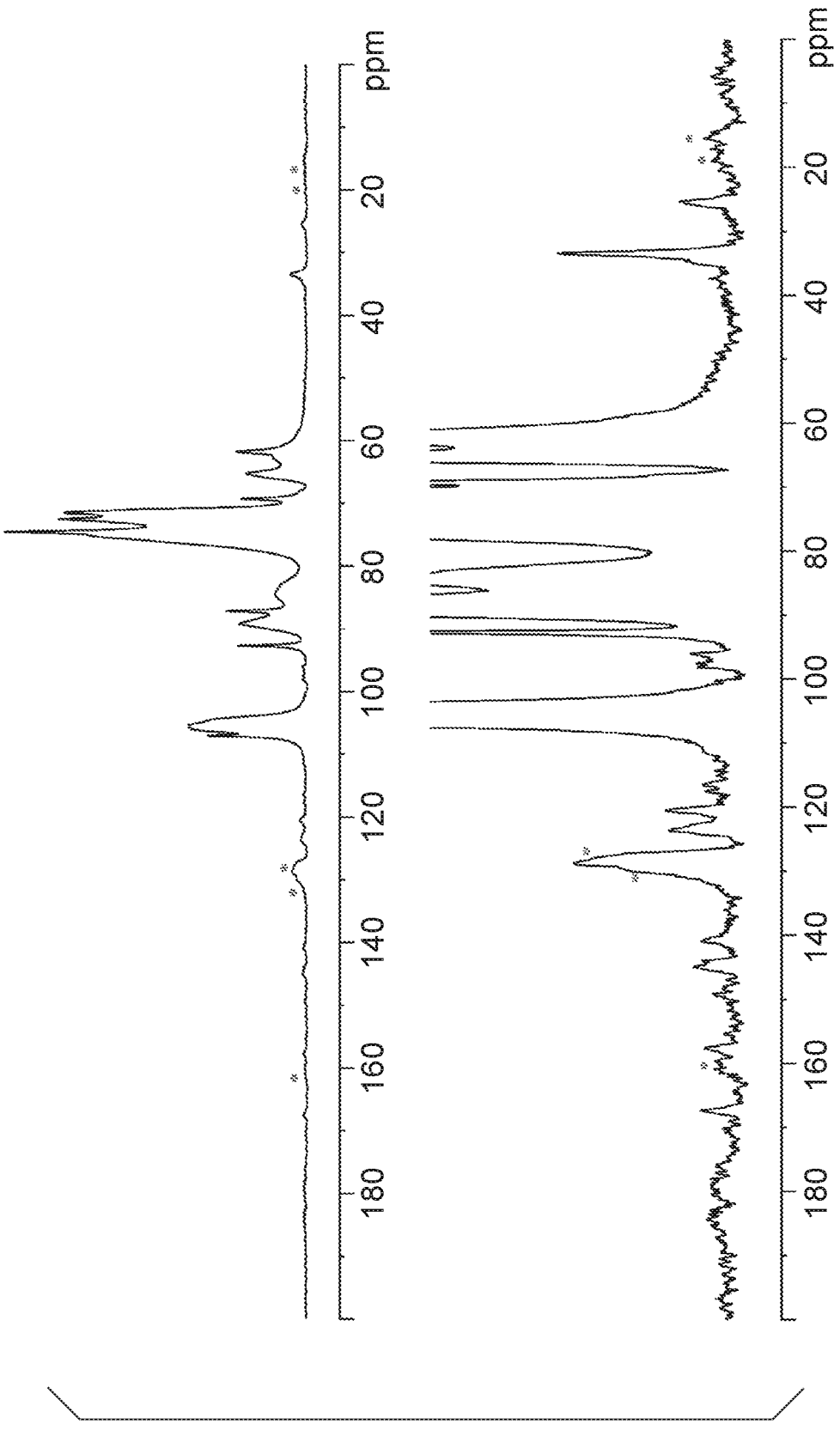

ppm
20
40
60
80
100
120
140
160
180
ppm
20
40
60
80
100
120
140
160
180

FIG. 8

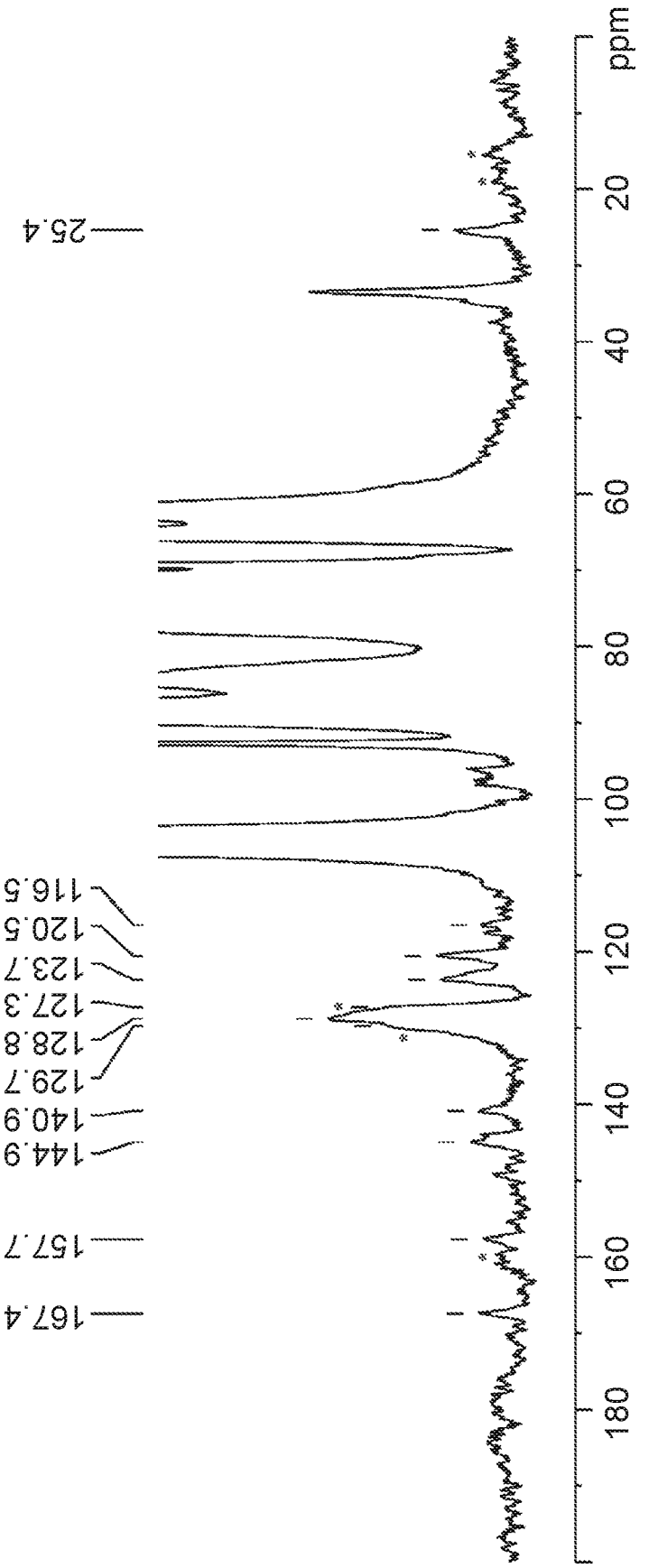

ppm
20
40
60
80
100
120
140
160
180
25.4
116.5
120.5
123.7
127.3
128.8
129.7
140.9
144.9
157.7
167.4

FIG. 9

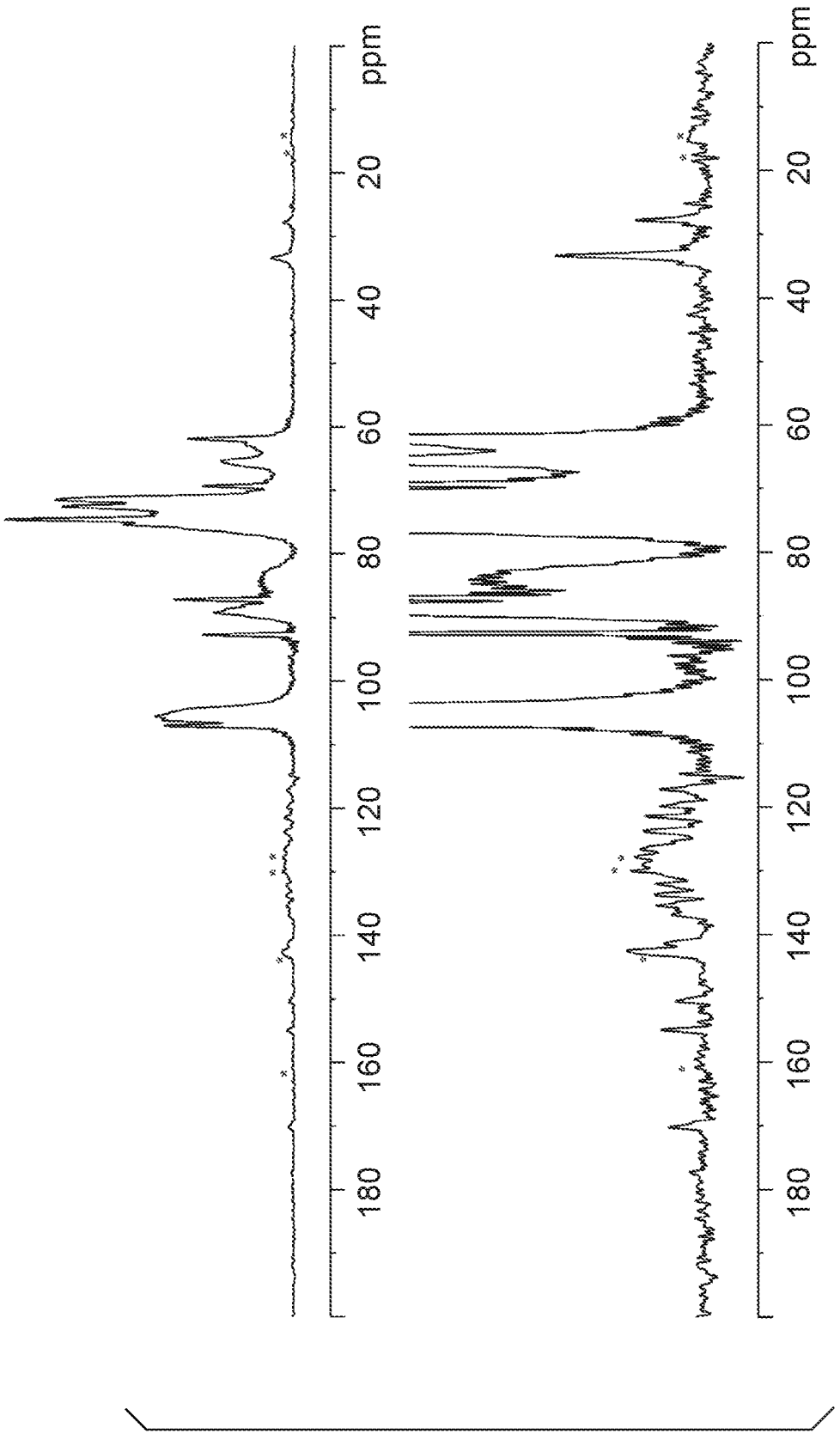

ppm
20
40
60
80
100
120
140
160
180
ppm
20
40
60
80
100
120
140
160
180

FIG. 10

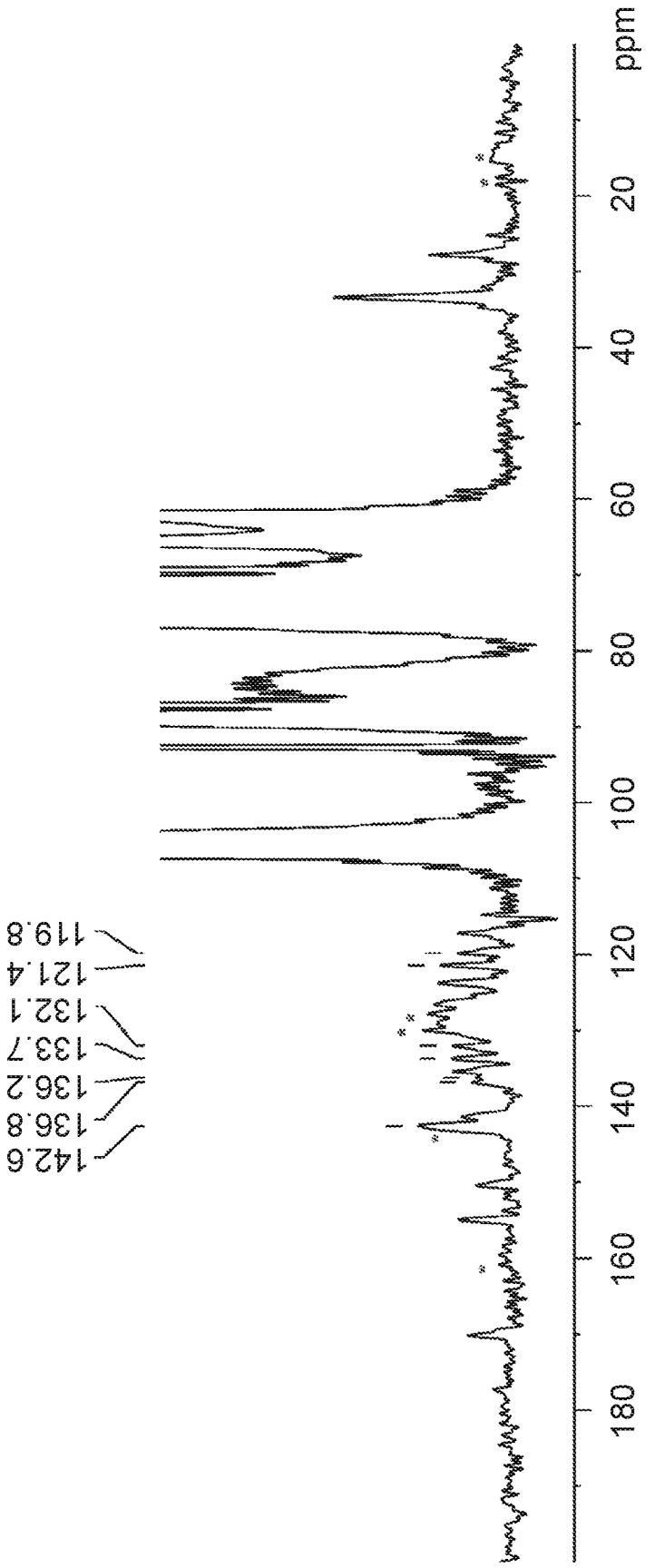

ppm
180
160
140
120
100
80
60
40
20
142.6
136.8
136.2
133.7
132.1
121.4
119.8

FIG. 11

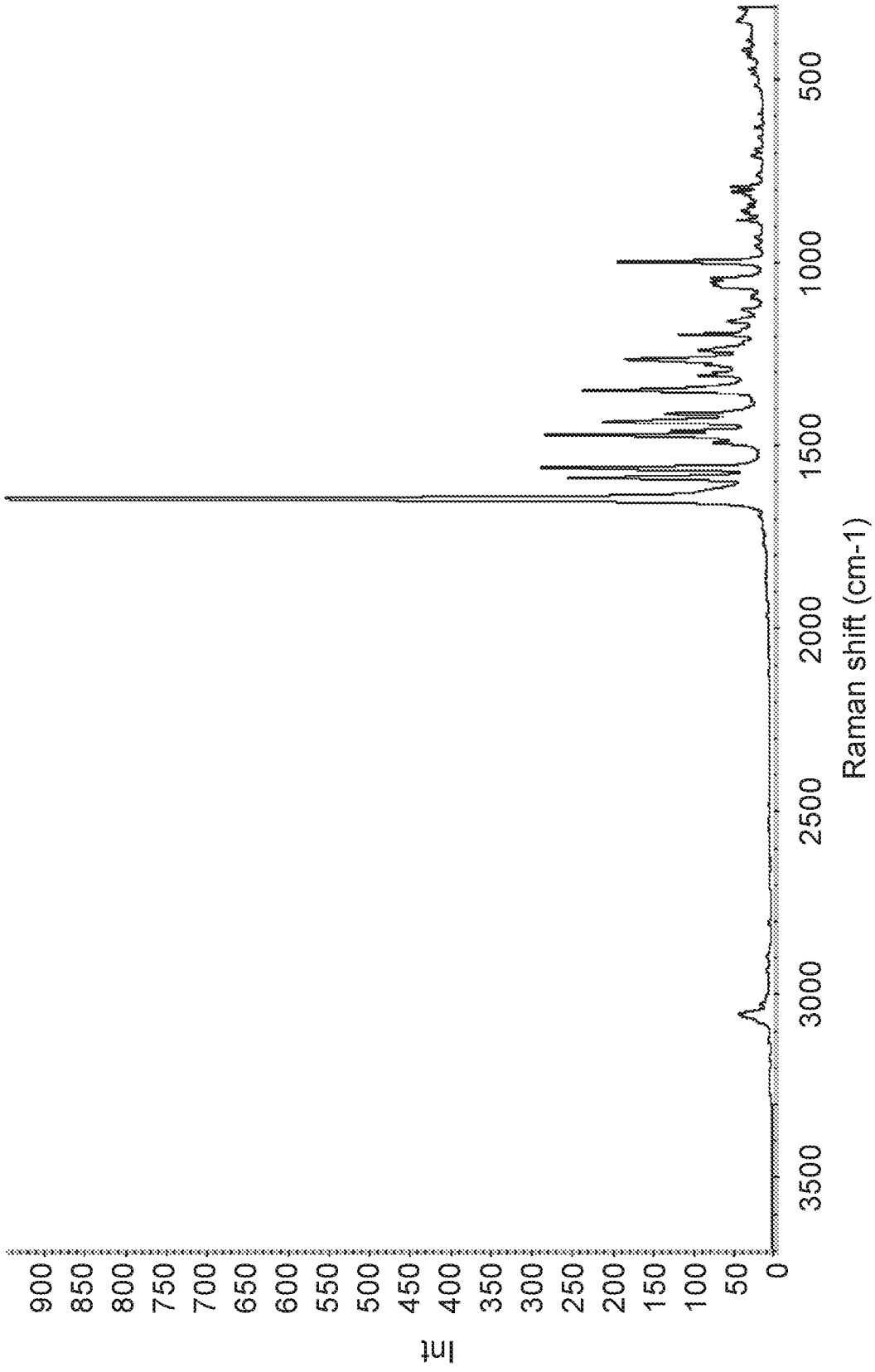

Int
900
850
800
750
700
650
600
550
500
450
400
350
300
250
200
150
100
50
0
3500
3000
2500
2000
1500
1000
500
Raman shift (cm-1)

FIG. 12

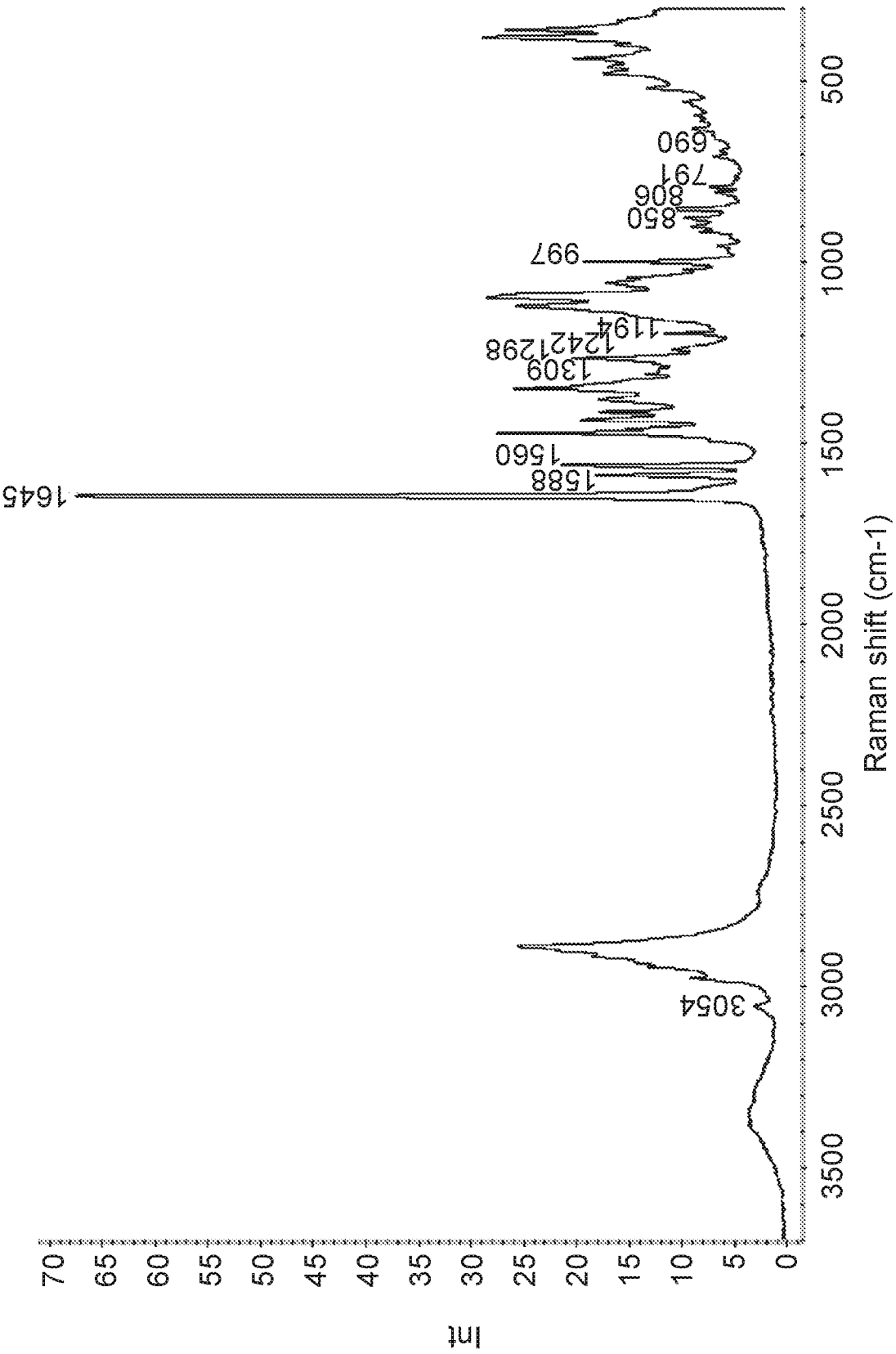

Int
Raman shift (cm-1)
0
5
10
15
20
25
30
35
40
45
50
55
60
65
70
3500
3000
2500
2000
1500
1000
500
3054
1645
1588
1560
1309
1242
1298
1194
997
850
806
791
690

FIG. 13

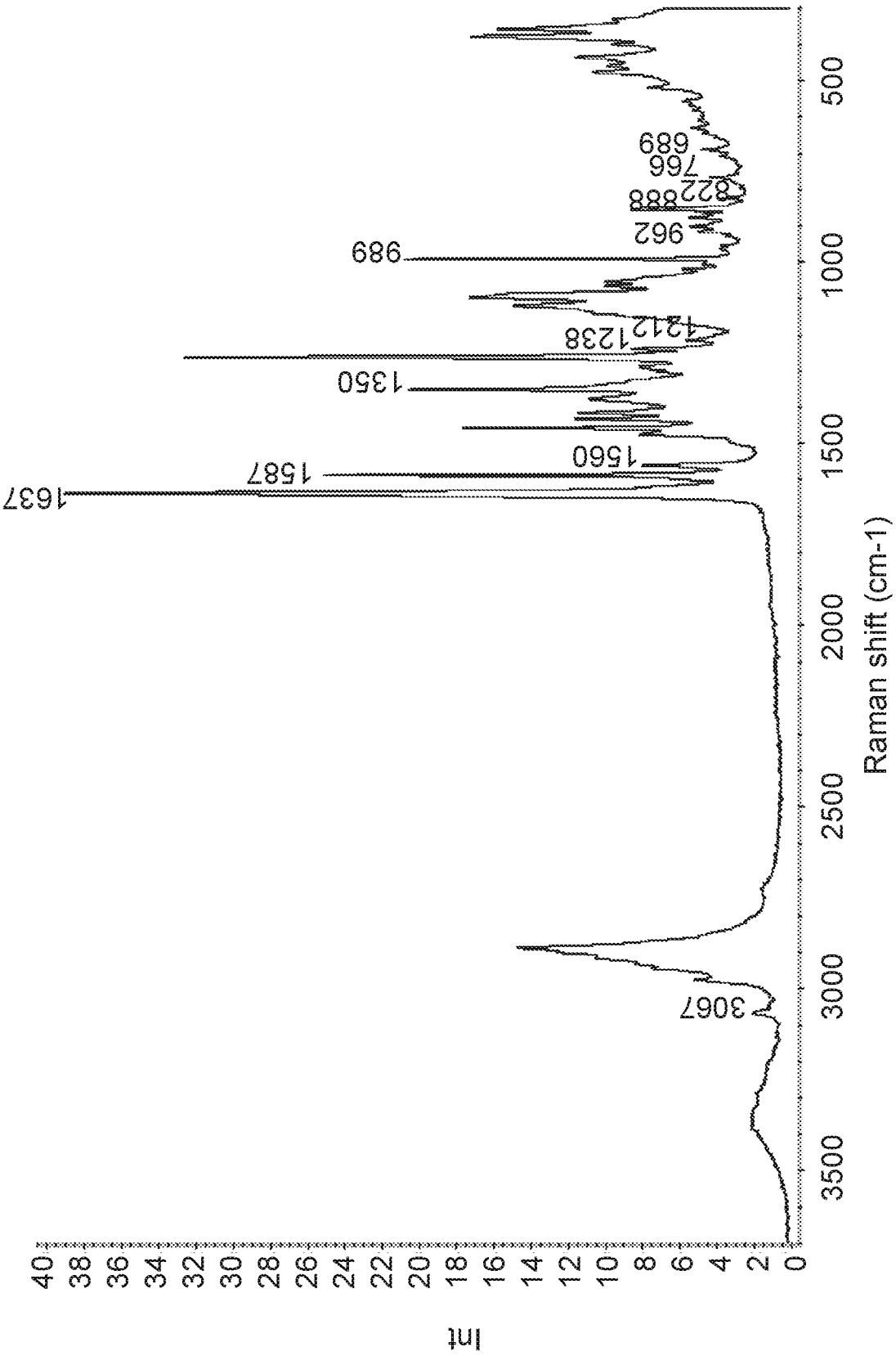
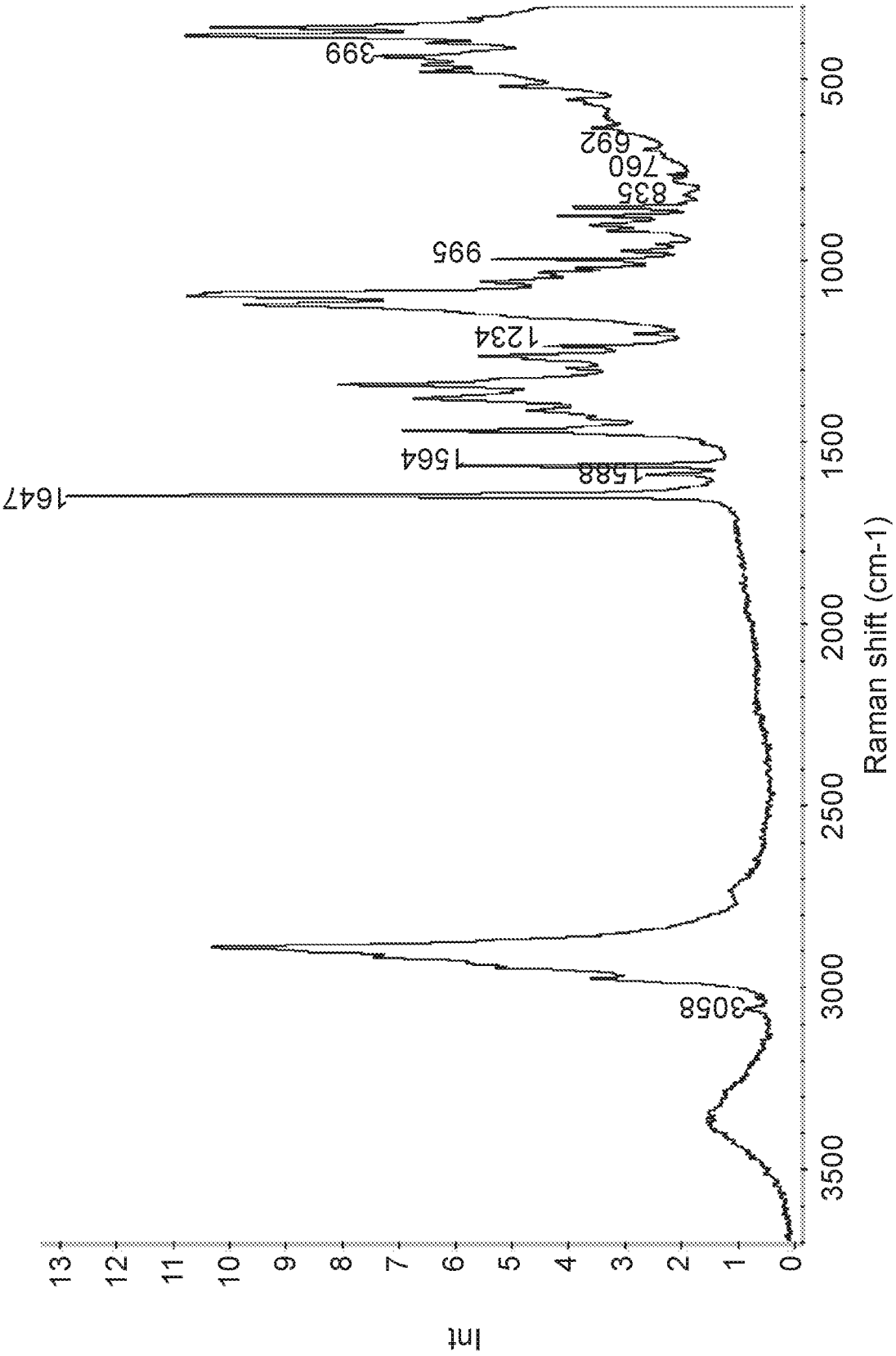

Int
Raman shift (cm-1)
3500
3000
2500
2000
1500
1000
500
0
2
4
6
8
10
12
14
16
18
20
22
24
26
28
30
32
34
36
38
40
3067
1637
1587
1560
1350
1238
1212
989
962
888
822
766
689

FIG. 14


Int
Raman shift (cm-1)
3500
3000
2500
2000
1500
1000
500
0
1
2
3
4
5
6
7
8
9
10
11
12
13
3058
1647
1588
1564
1234
995
835
760
692
399