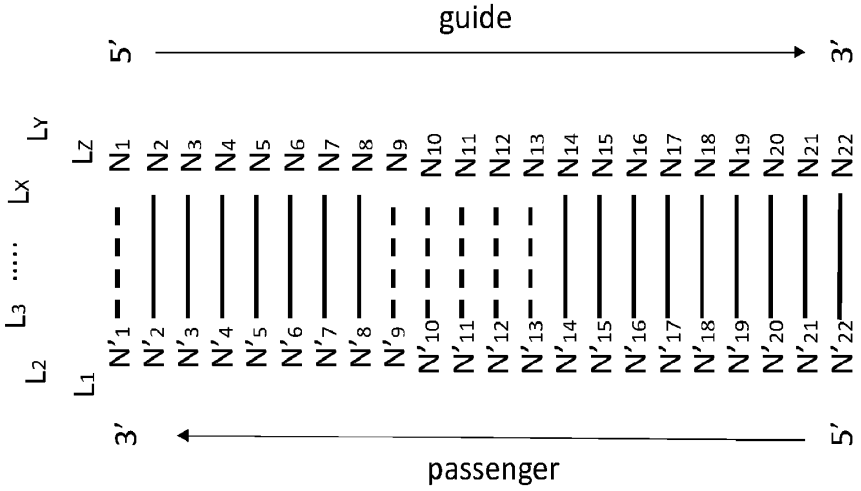
guide
5'
3'
L1
L2
L3
.....
Lx
Ly
Lz
N1 N2 N3 N4 N5 N6 N7 N8 N9 N10 N11 N12 N13 N14 N15 N16 N17 N18 N19 N20 N21 N22
N'1 N'2 N'3 N'4 N'5 N'6 N'7 N'8 N'9 N'10 N'11 N'12 N'13 N'14 N'15 N'16 N'17 N'18 N'19 N'20 N'21 N'22
3'
5'
passenger

FIG. 1B

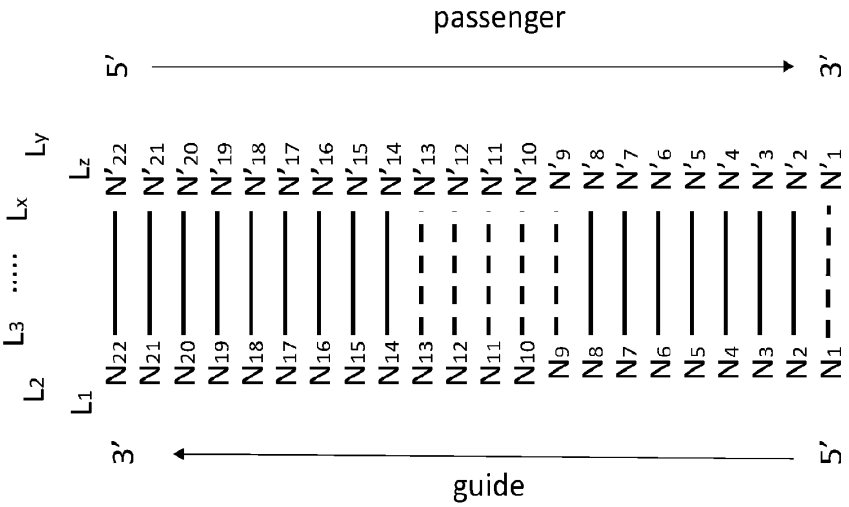
passenger
5'
3'
L1
L2
L3
.....
Lx
Ly
Lz
N'22 N'21 N'20 N'19 N'18 N'17 N'16 N'15 N'14 N'13 N'12 N'11 N'10 N'9 N'8 N'7 N'6 N'5 N'4 N'3 N'2 N'1
N22 N21 N20 N19 N18 N17 N16 N15 N14 N13 N12 N11 N10 N9 N8 N7 N6 N5 N4 N3 N2 N1
3'
5'
guide

FIG. 1A

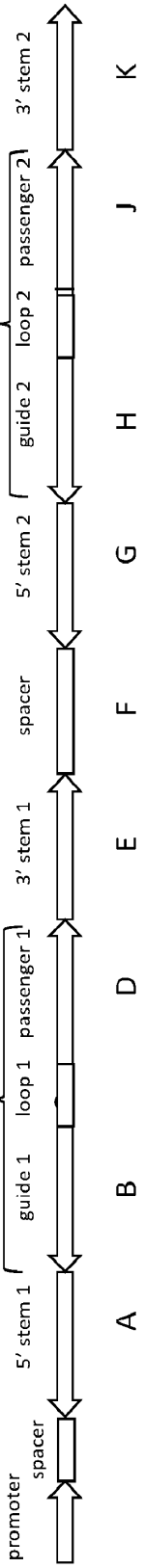
promoter
spacer
5' stem 1
guide 1
loop 1
passenger 1
3' stem 1
spacer
5' stem 2
guide 2
loop 2
passenger 2
3' stem 2
Hairpin 1
Hairpin 2
A
B
D
E
F
G
H
J
K

FIG. 2A

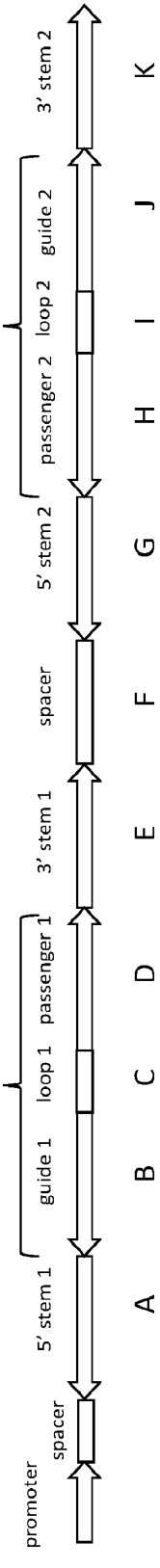
promoter
spacer
5' stem 1
guide 1
loop 1
passenger 1
3' stem 1
spacer
5' stem 2
passenger 2
loop 2
guide 2
3' stem 2
Hairpin 1
Hairpin 2
A
B
C
D
E
F
G
H
I
J
K

FIG. 2B

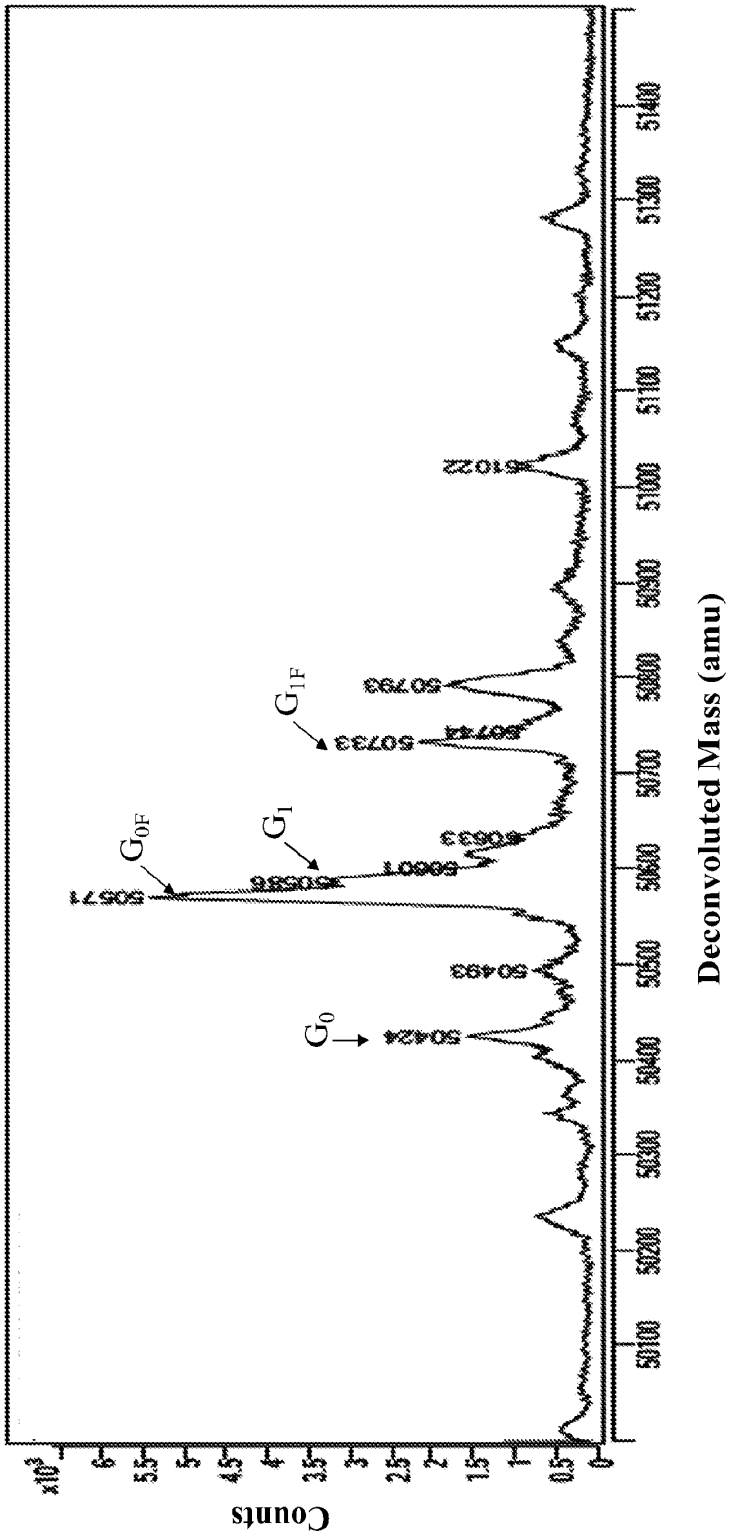
Counts
x10³
Deconvoluted Mass (amu)
G0
G0F
G1
G1F
50424
50493
50571
50586
50633
50744
50793
51022

FIG. 3A

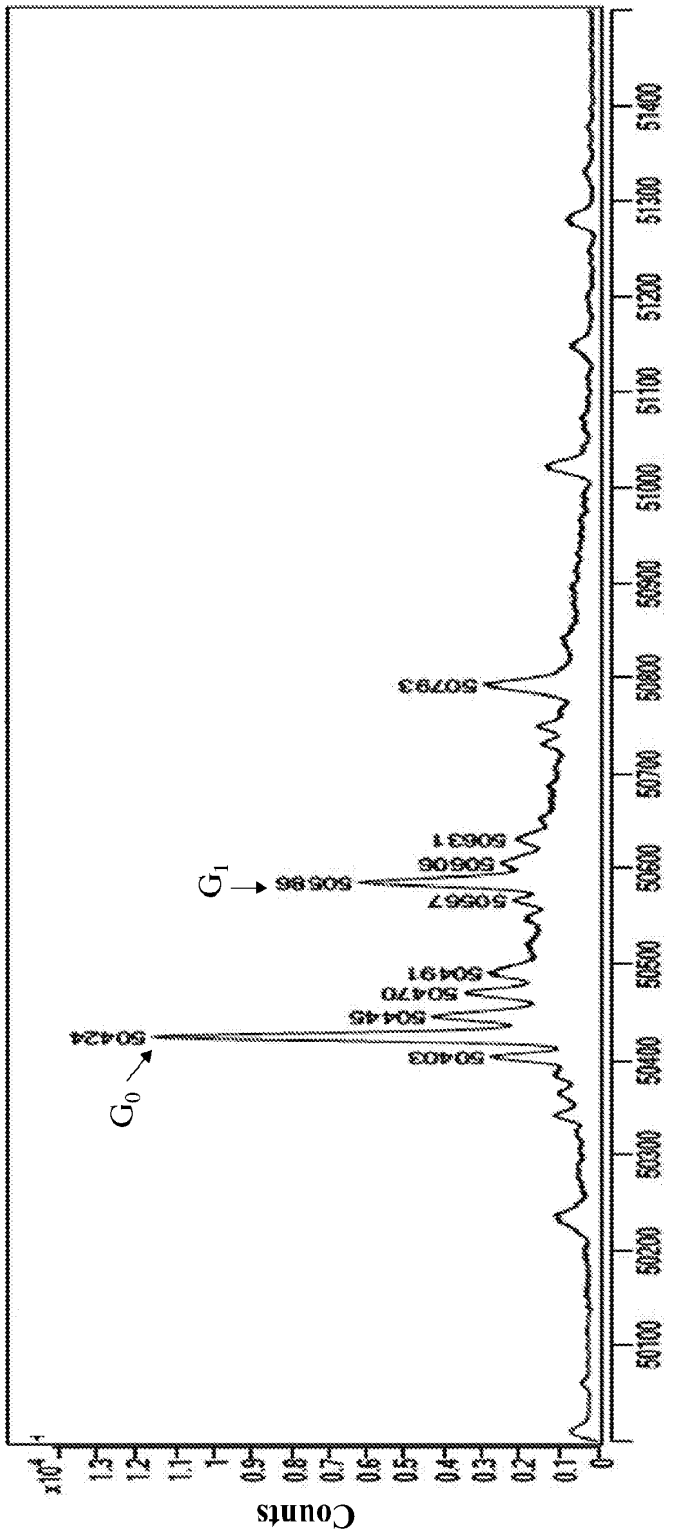
Counts
Deconvoluted Mass (amu)
G_0
G_1
50424
50403
50445
50470
50491
50567
50586
50606
50631
50783

FIG. 3B

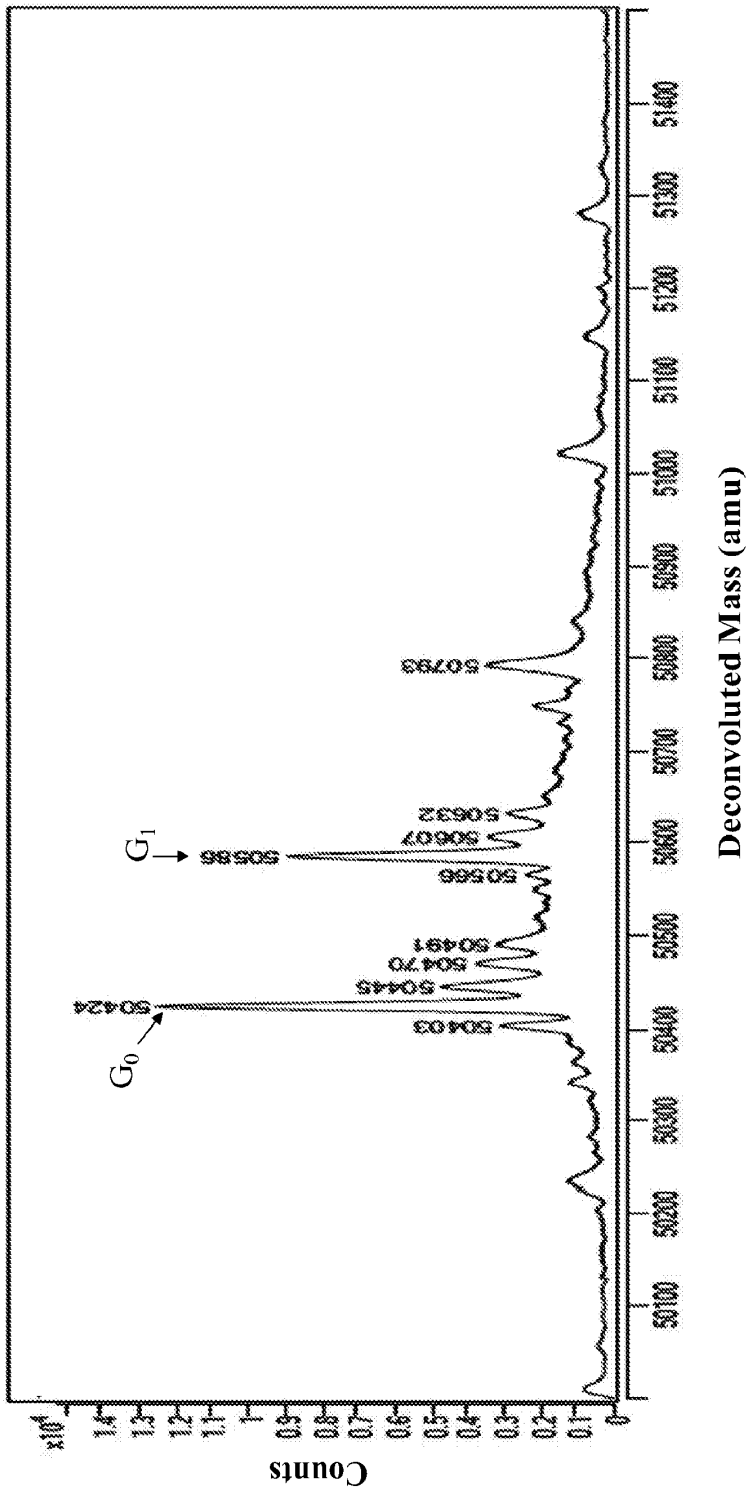

FIG. 3C

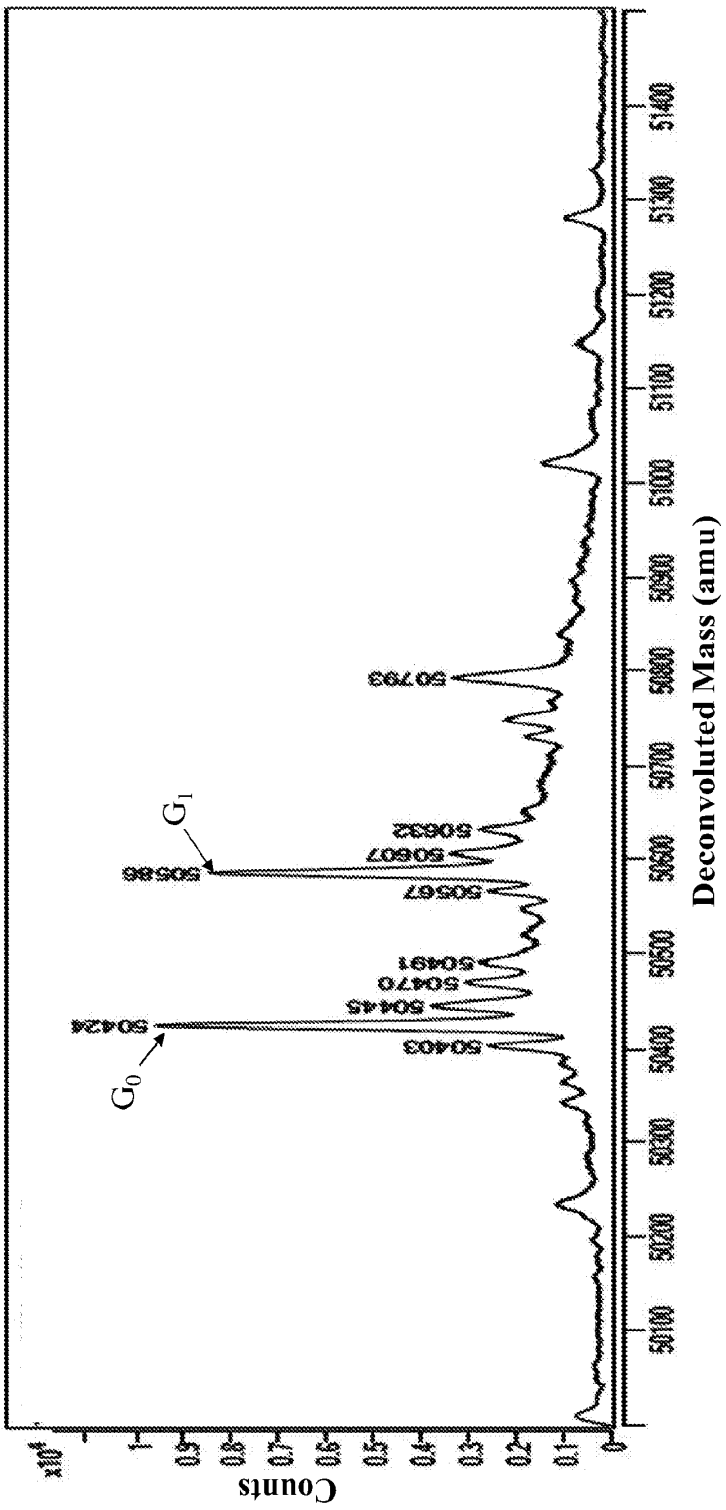

FIG. 3D

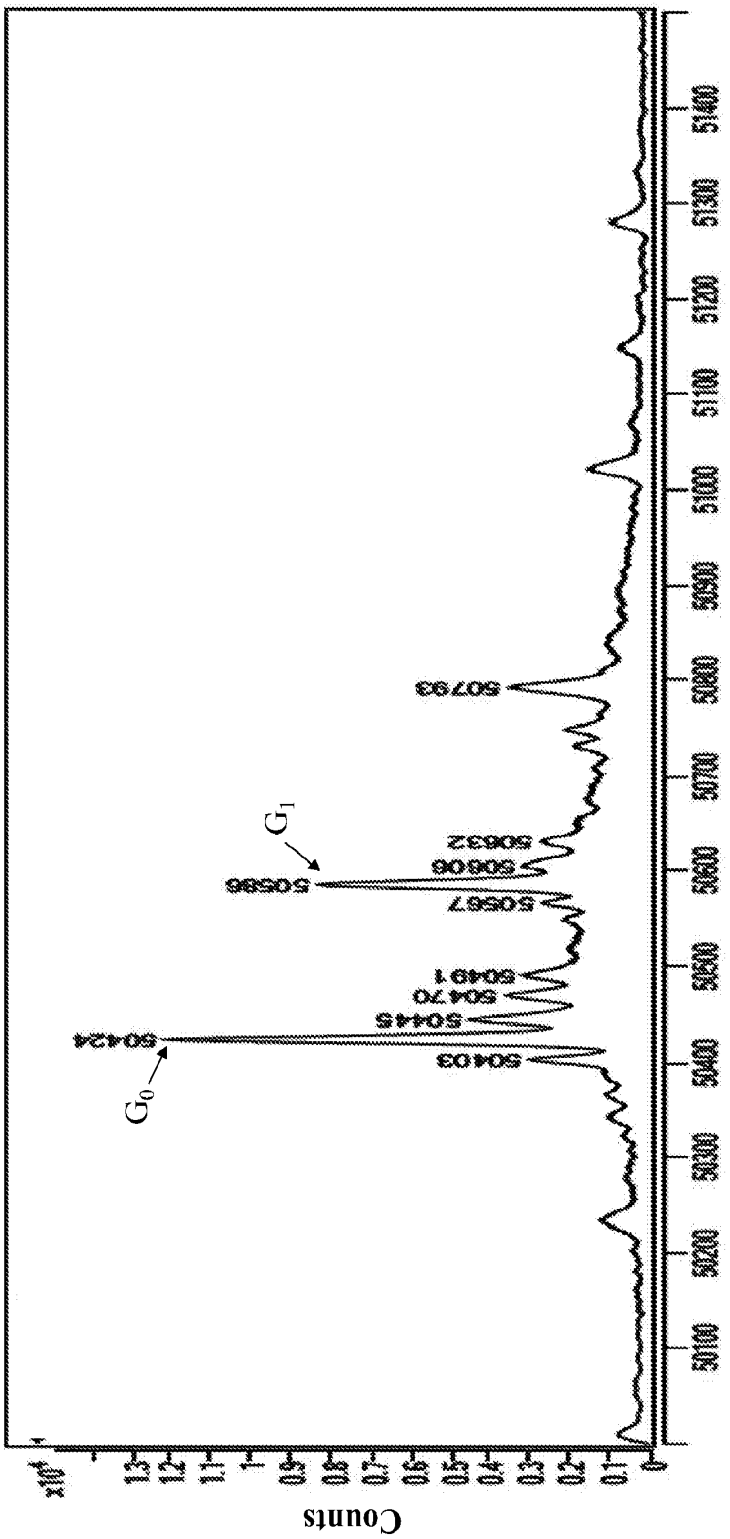
Counts
Deconvoluted Mass (amu)
G_0
G_1
50424
50403
50445
50470
50491
50567
50586
50606
50632
50793

FIG. 3E

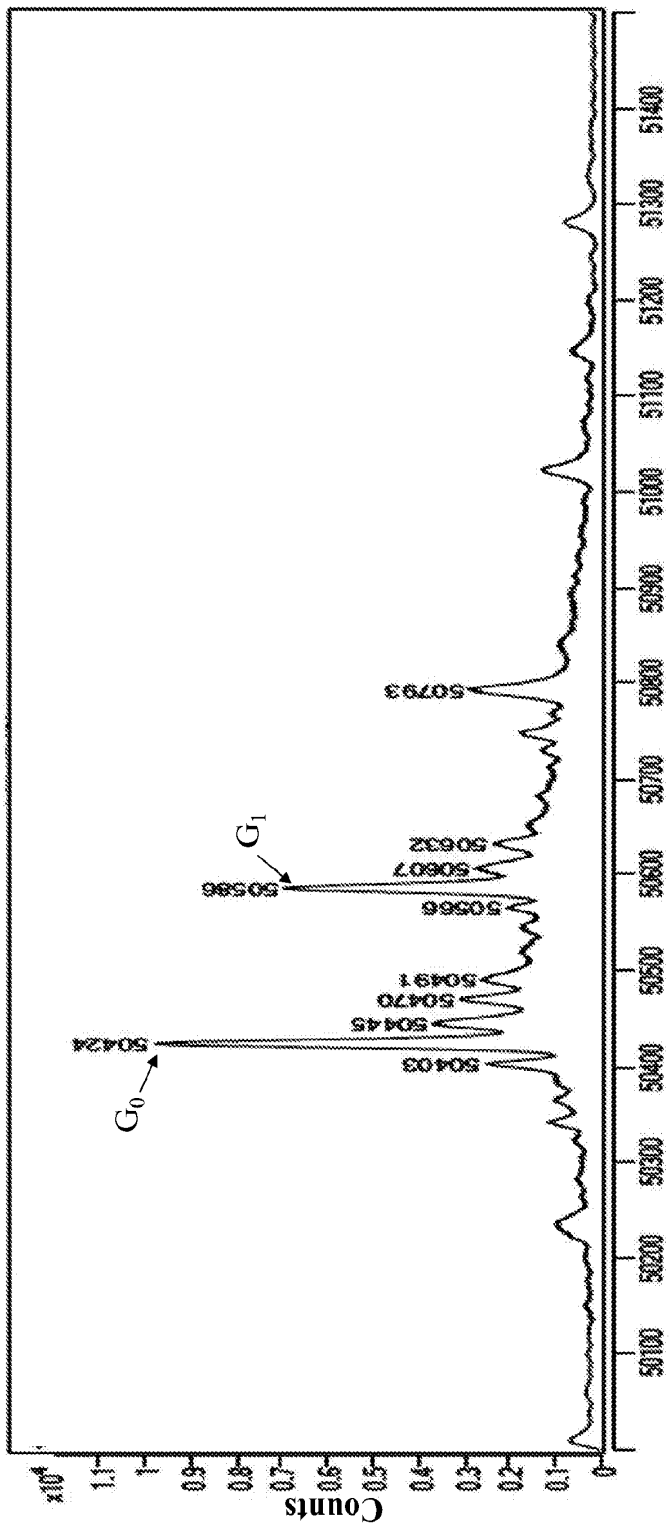
Counts
x10^4
1.1
1
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0
50100
50200
50300
50400
50500
50600
50700
50800
50900
51000
51100
51200
51300
51400
50424
50403
50445
50470
50491
50566
50586
50607
50632
50793
G0
G1
Deconvoluted Mass (amu)

FIG. 3F

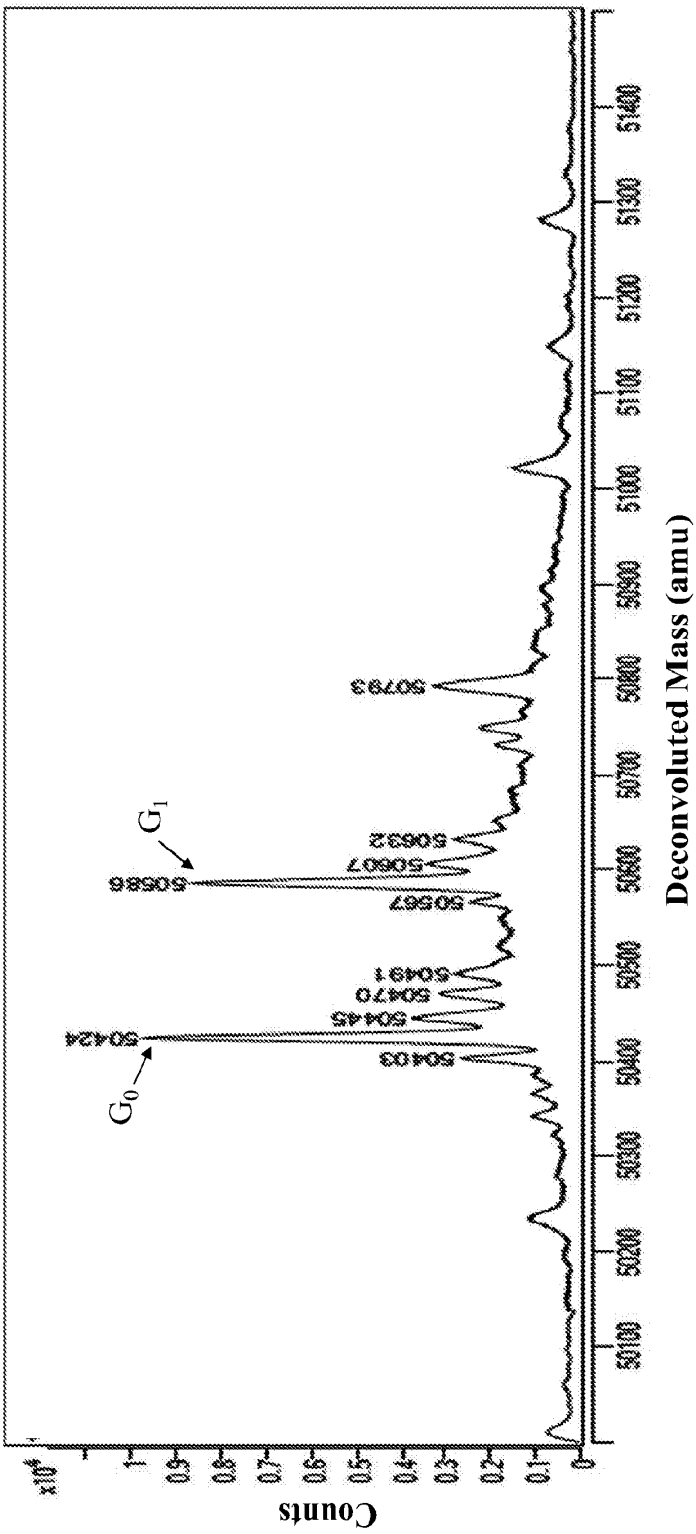
Counts
x10^4
0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0.9
1
50100
50200
50300
50400
50500
50600
50700
50800
50900
51000
51100
51200
51300
51400
Deconvoluted Mass (amu)
G_0
G_1
50424
50403
50445
50470
50491
50567
50586
50607
50632
50793

FIG. 3G

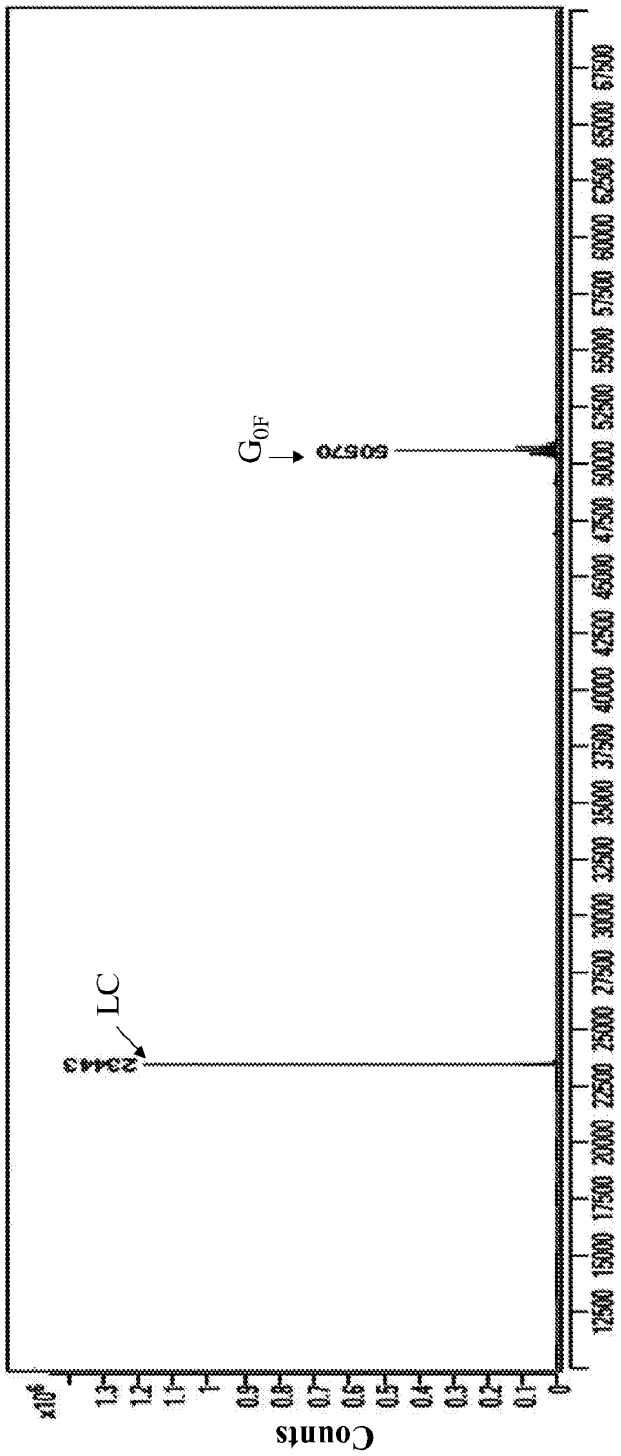
Counts
x10^4
1.5
1.4
1.3
1
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0
12500
15000
17500
20000
22500
25000
27500
30000
32500
35000
37500
40000
42500
45000
47500
50000
52500
55000
57500
60000
62500
65000
67500
Deconvoluted Mass (amu)
LC
G_{0F}

FIG. 4A

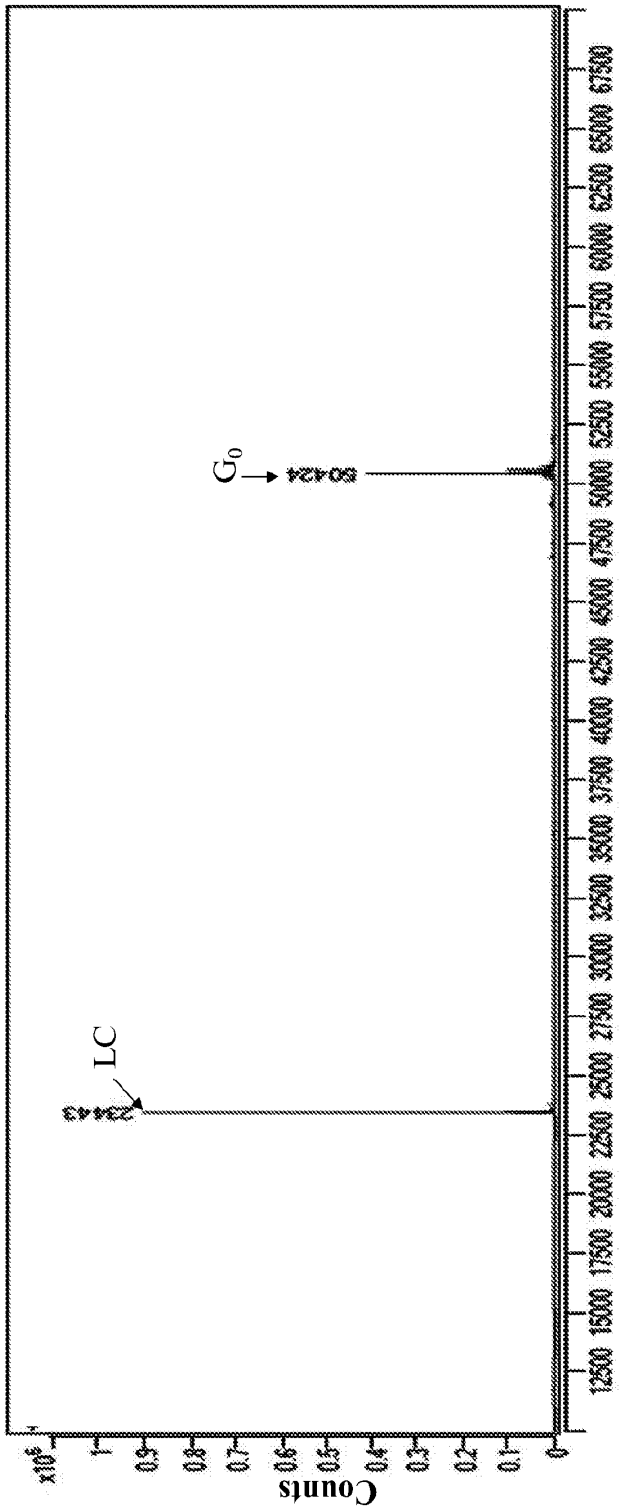
Counts
x10^6
1.0
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0
12500
15000
17500
20000
22500
25000
27500
30000
32500
35000
37500
40000
42500
45000
47500
50000
52500
55000
57500
60000
62500
65000
67500
Deconvoluted Mass (amu)
LC
G_0

FIG. 4B

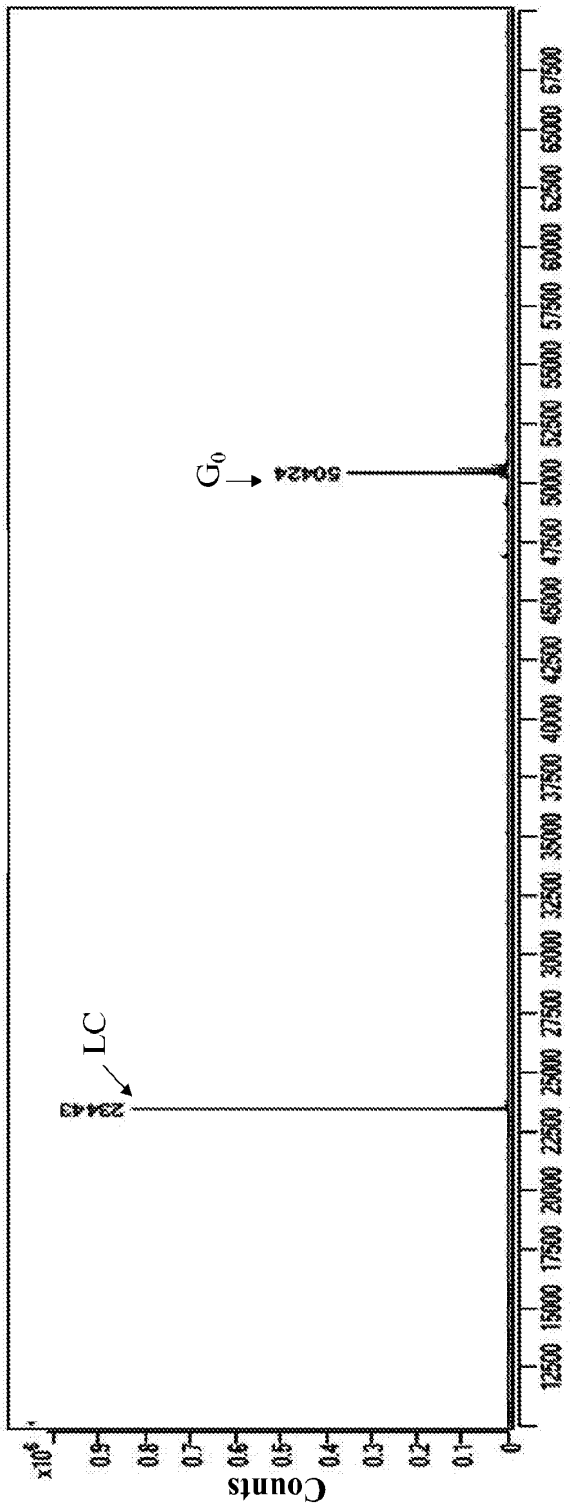

FIG. 4C

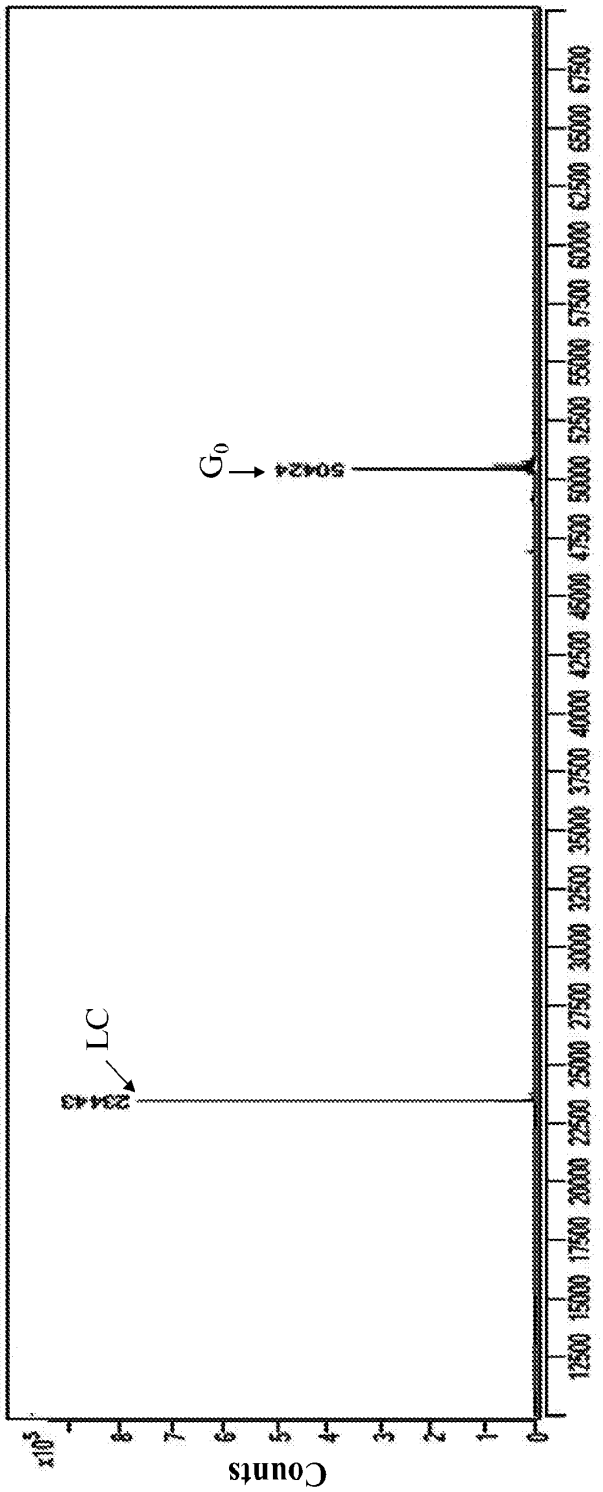

FIG. 4D

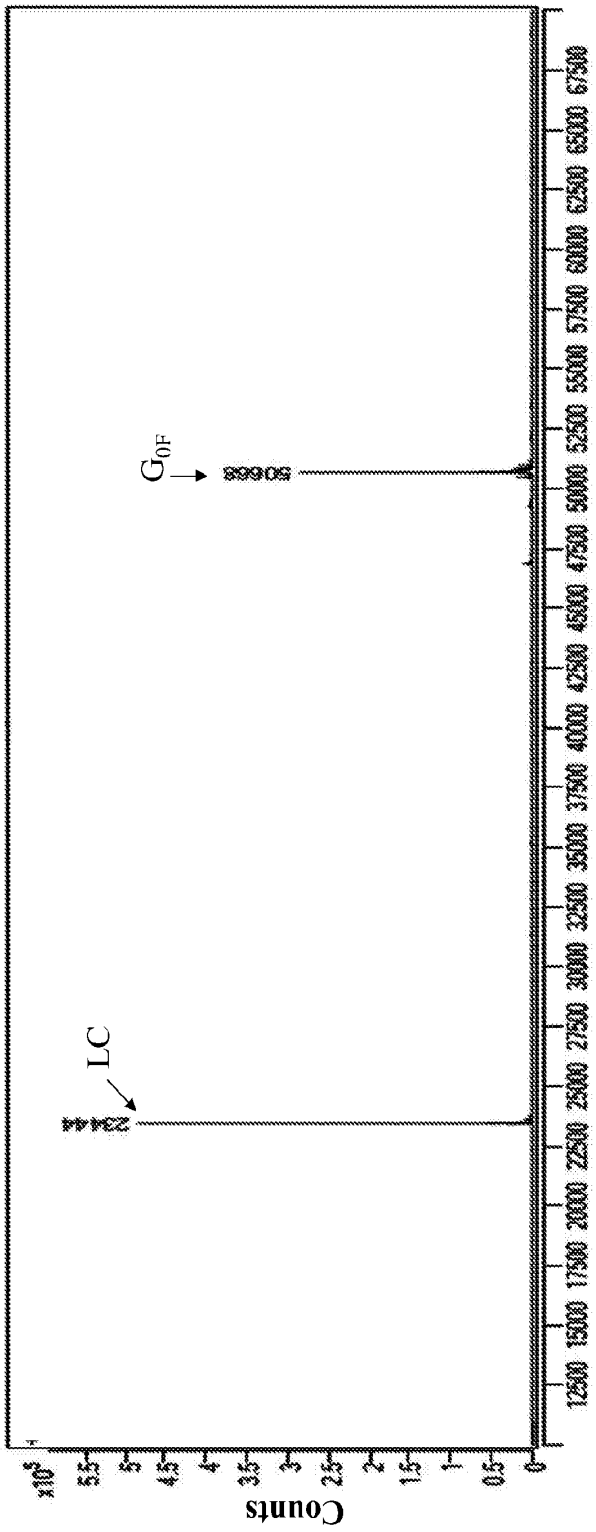
Counts
x10^4
5.5
5
4.5
4
3.5
3
2.5
2
1.5
1
0.5
0
LC
23144
G_{0F}
50668
12500 15000 17500 20000 22500 25000 27500 30000 32500 35000 37500 40000 42500 45000 47500 50000 52500 55000 57500 60000 62500 65000 67500
Deconvoluted Mass (amu)

FIG. 5A

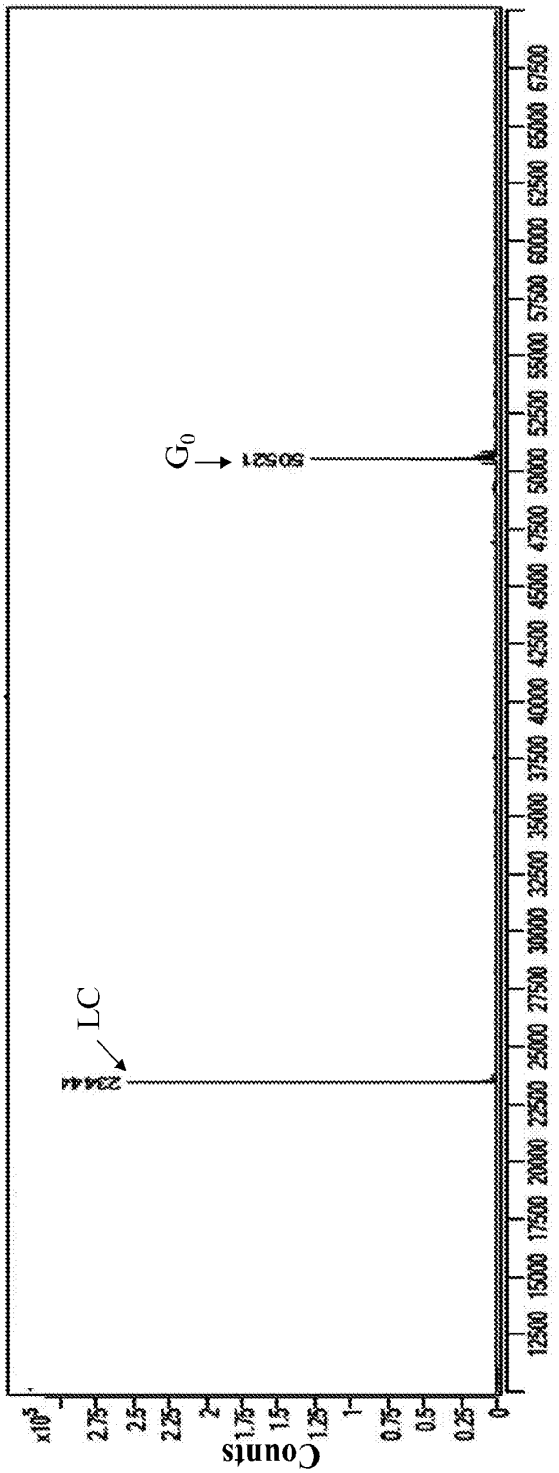
Counts
x10^3
2.75
2.5
2.25
2
1.75
1.5
1.25
1
0.75
0.5
0.25
0
12500
15000
17500
20000
22500
25000
27500
30000
32500
35000
37500
40000
42500
45000
47500
50000
52500
55000
57500
60000
62500
65000
67500
LC
G0
Deconvoluted Mass (amu)

FIG. 5B