
Fuc
α1,6
Asn297 — GlcNAc — GlcNAc — Man
β1,4
β1,4
α1,6
α1,3
Man — GlcNAc
β1,2
Gal — NeuAc
α2,6
β1,4
Man — GlcNAc
β1,2
Gal — NeuAc
α2,6
β1,4
GlcNAc

Figure 1

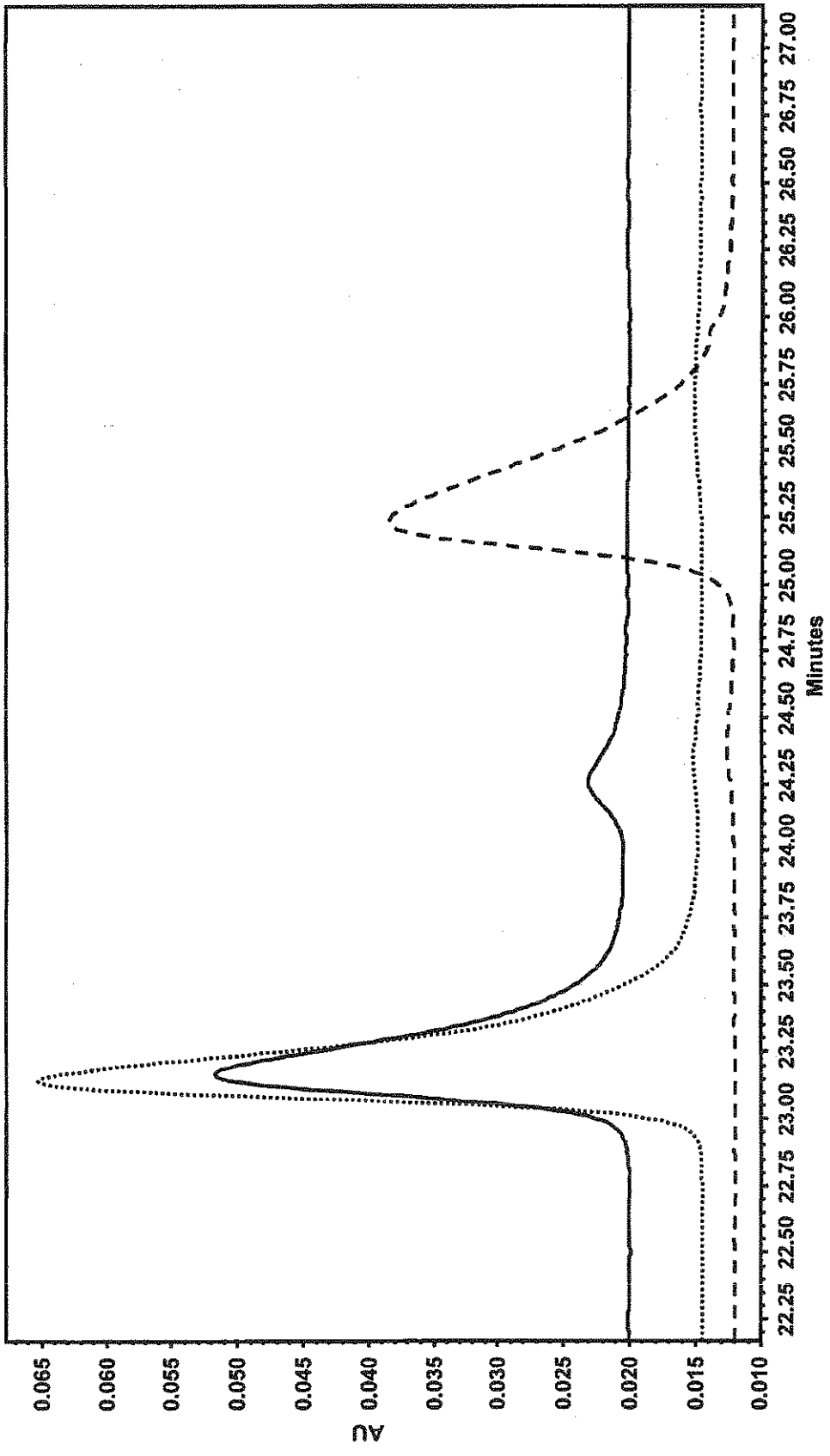

AU
0.065
0.060
0.055
0.050
0.045
0.040
0.035
0.030
0.025
0.020
0.015
0.010
Minutes
22.25
22.50
22.75
23.00
23.25
23.50
23.75
24.00
24.25
24.50
24.75
25.00
25.25
25.50
25.75
26.00
26.25
26.50
26.75
27.00

Figure 2a

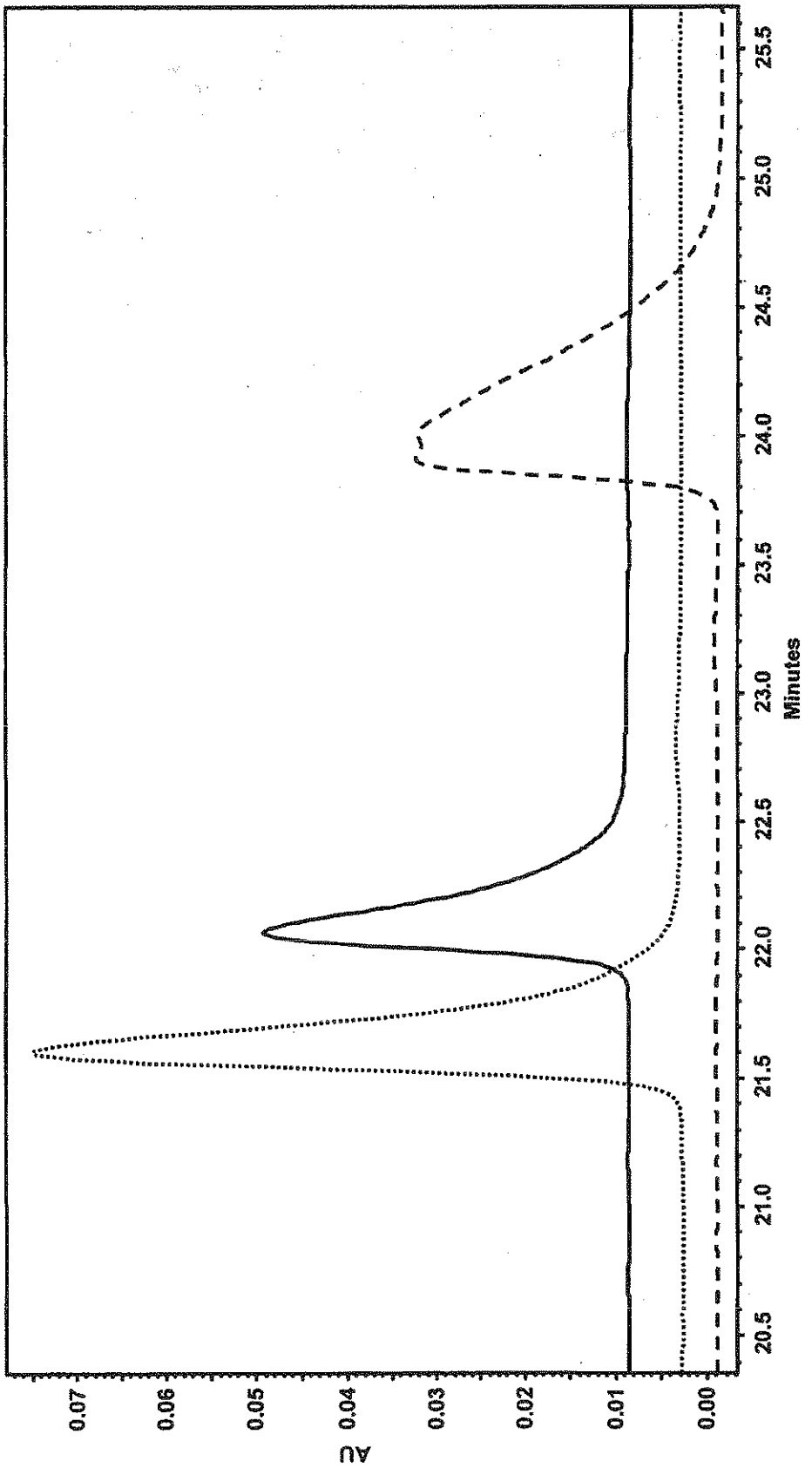

AU
0.07
0.06
0.05
0.04
0.03
0.02
0.01
0.00
Minutes
20.5
21.0
21.5
22.0
22.5
23.0
23.5
24.0
24.5
25.0
25.5

Figure 2b

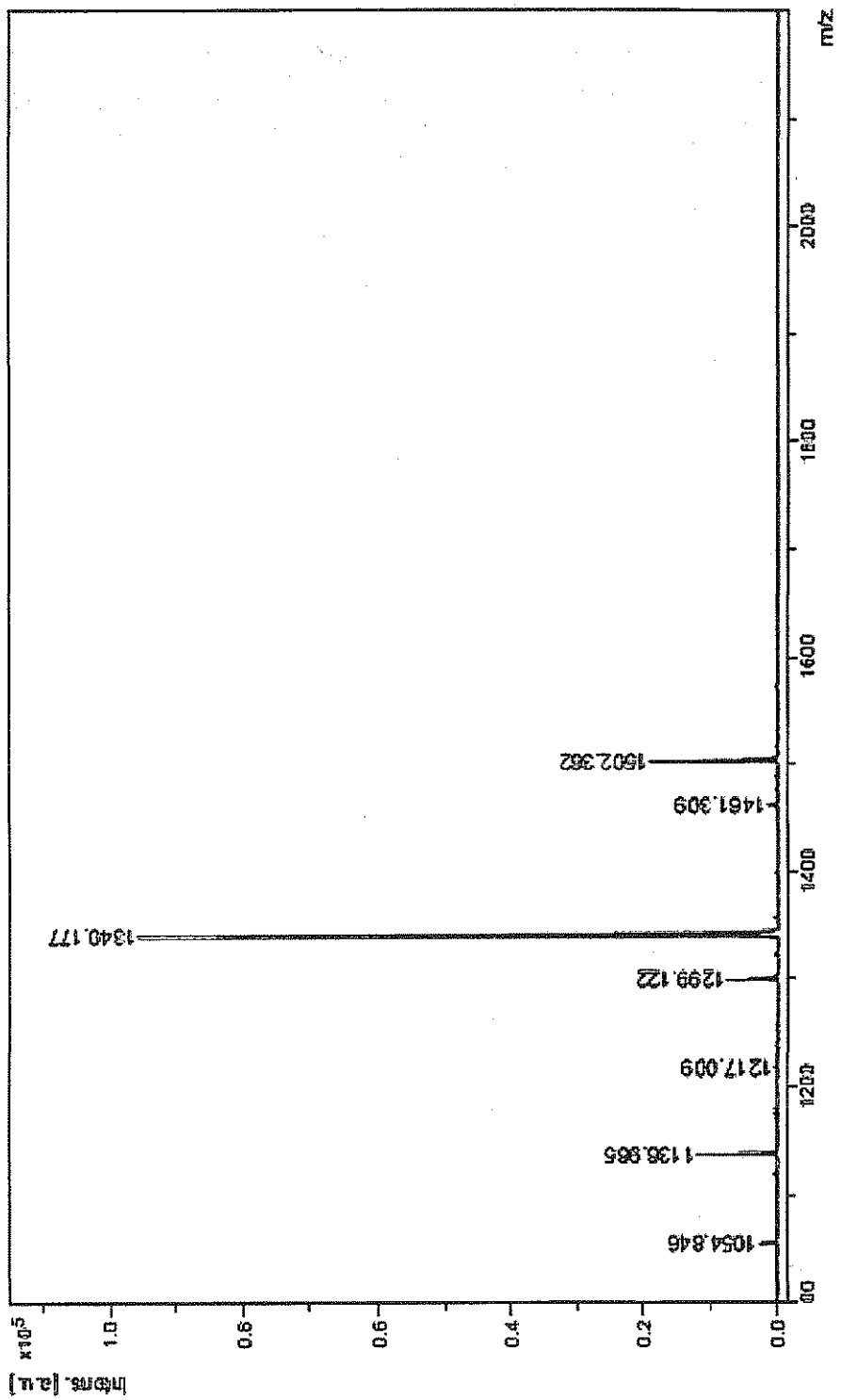

Intens. [a.u.]
x10^5
1.0
0.8
0.6
0.4
0.2
0.0
1054.846
1135.865
1217.009
1299.122
1340.177
1461.309
1502.362
m/z
1000
1200
1400
1600
1800
2000

Figure 3a

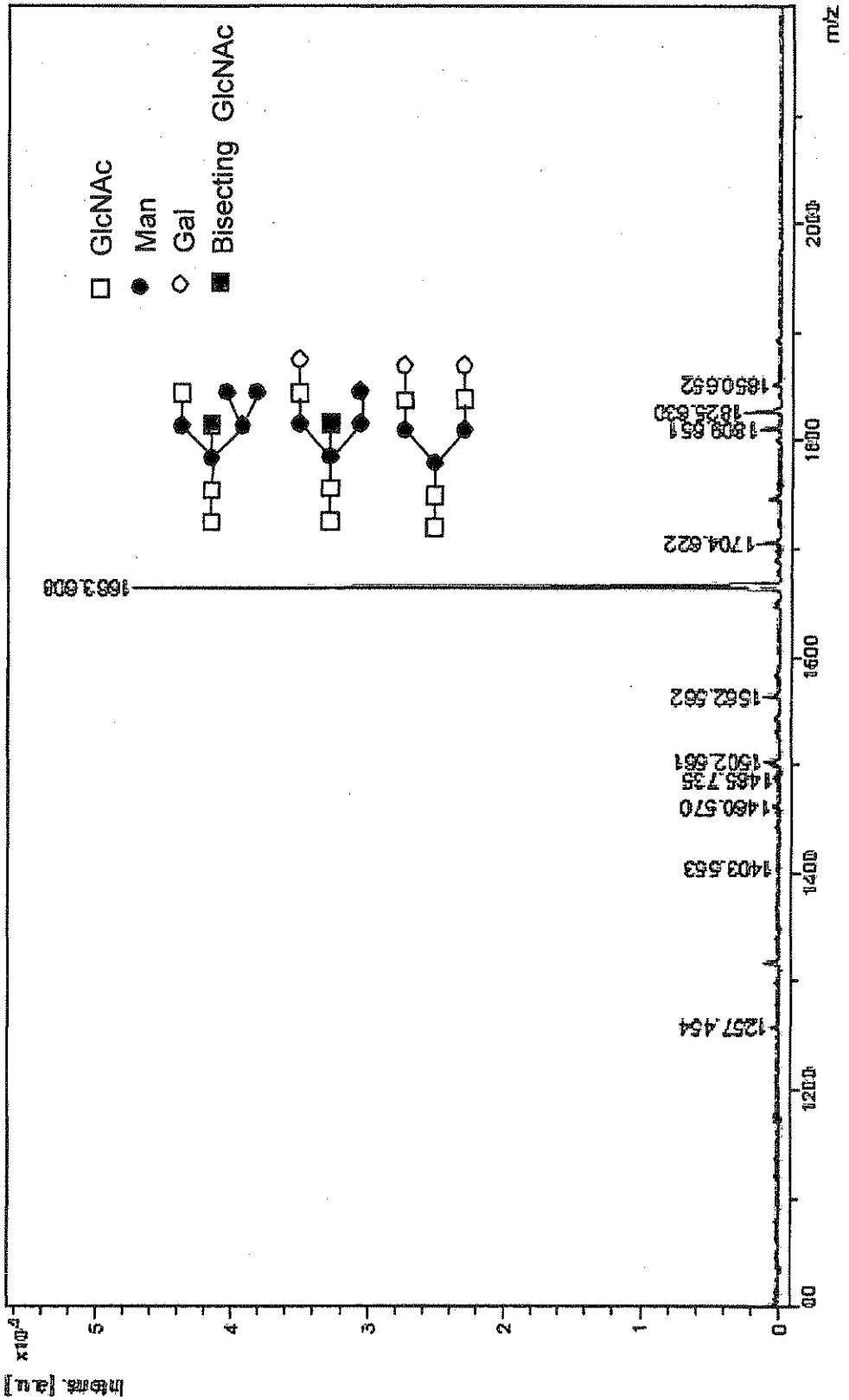

GlcNAc
Man
Gal
Bisecting GlcNAc
Intens. [a.u.]
x10^4
m/z
1257.454
1403.553
1460.570
1485.735
1502.661
1562.562
1663.608
1704.622
1808.651
1825.630
1850.652

Figure 3b

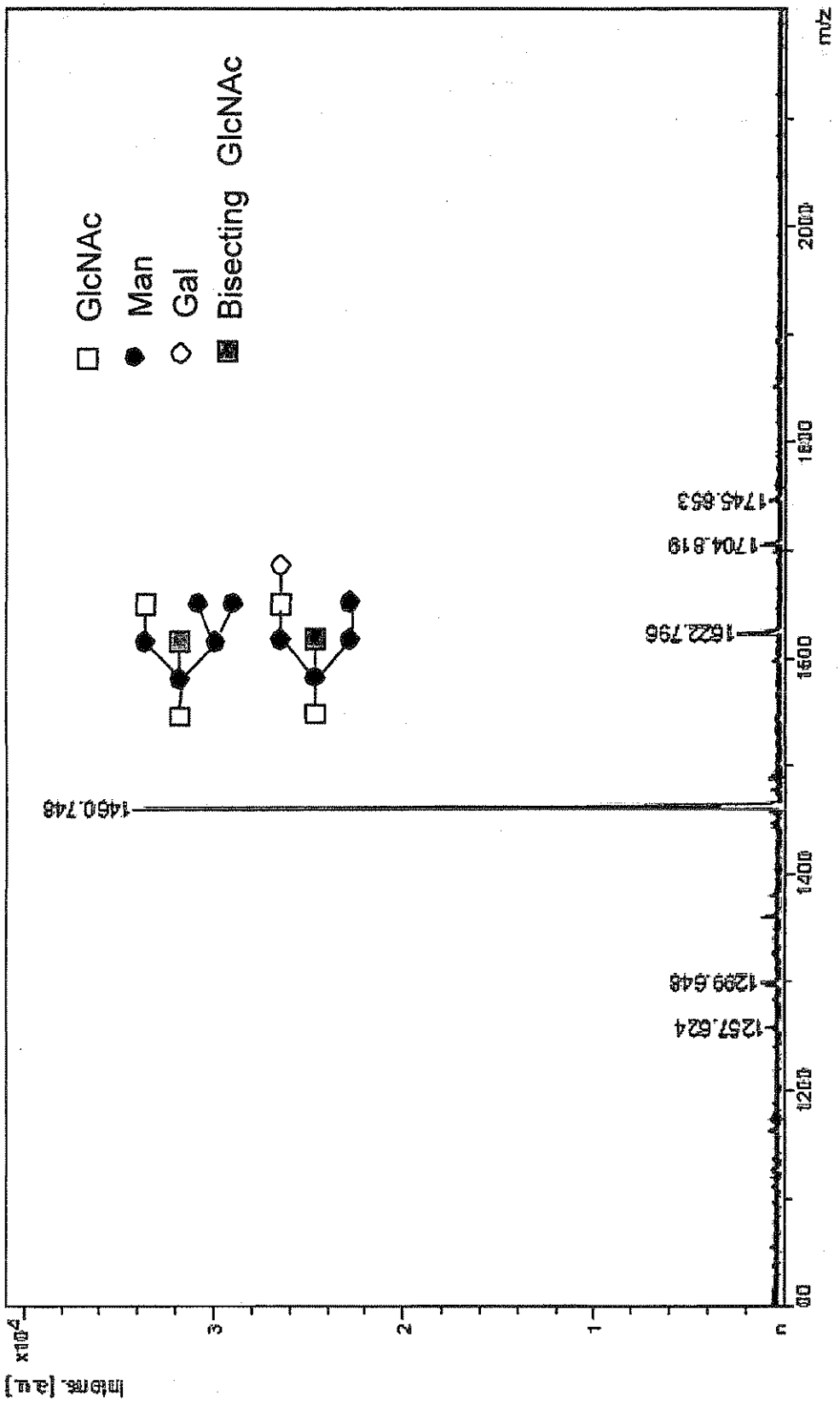

GlcNAc
Man
Gal
Bisecting GlcNAc
1450.748
1622.796
1704.819
1745.853
1257.624
1299.648
m/z
Intens. [a.u.]
x10^4

Figure 3c

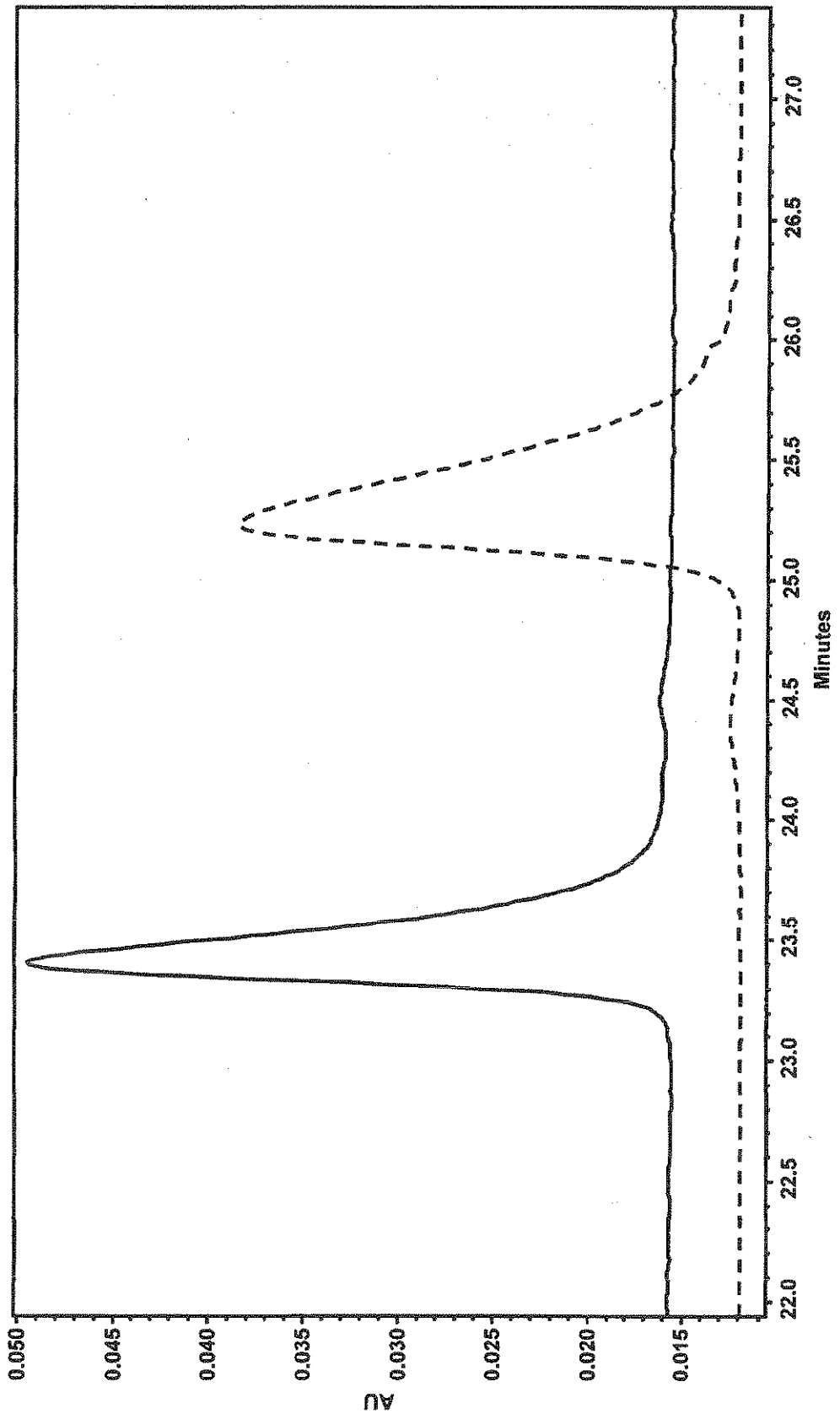

0.050
0.045
0.040
0.035
0.030
0.025
0.020
0.015
AU
22.0
22.5
23.0
23.5
24.0
24.5
25.0
25.5
26.0
26.5
27.0
Minutes

Figure 4a

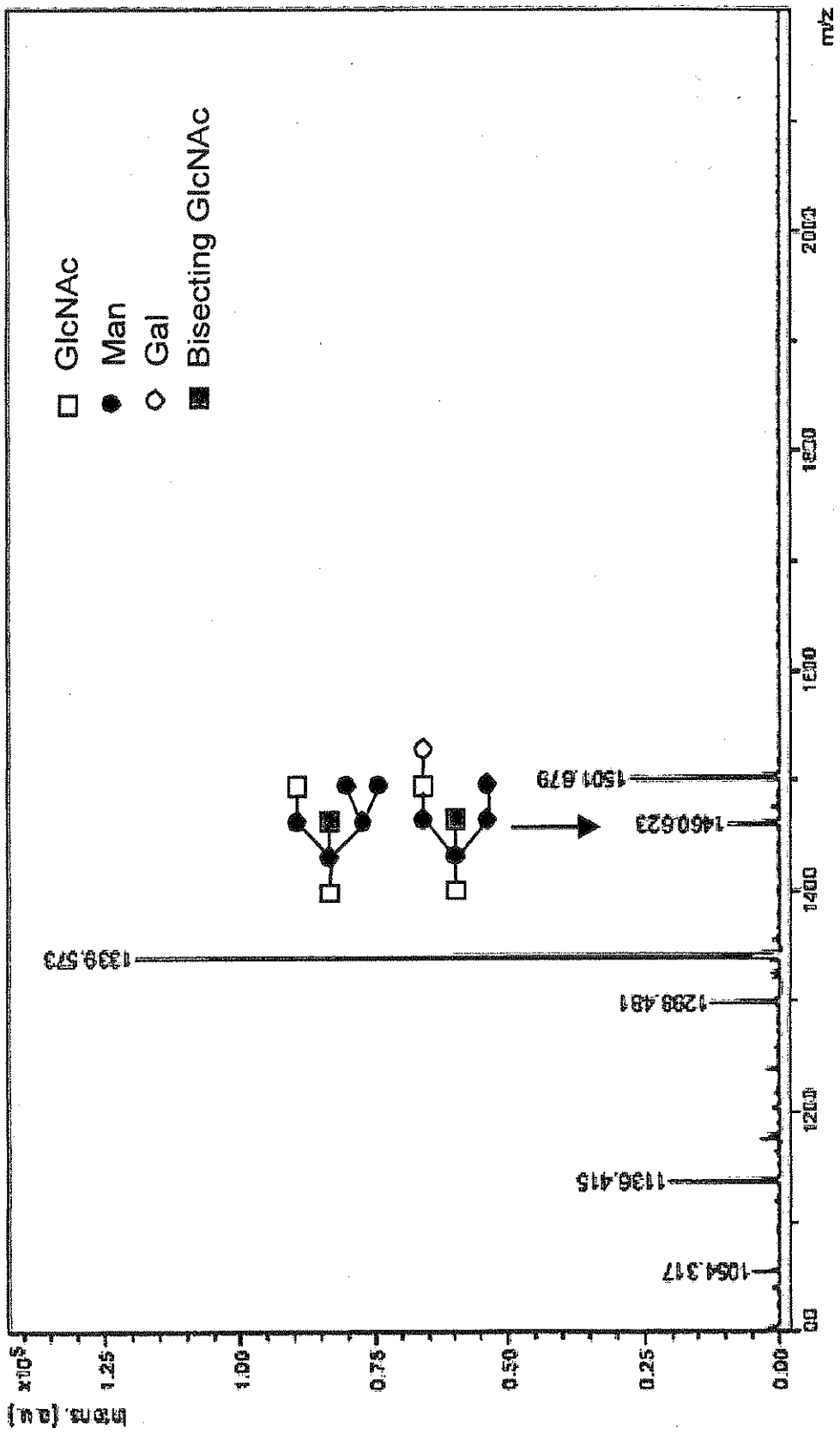
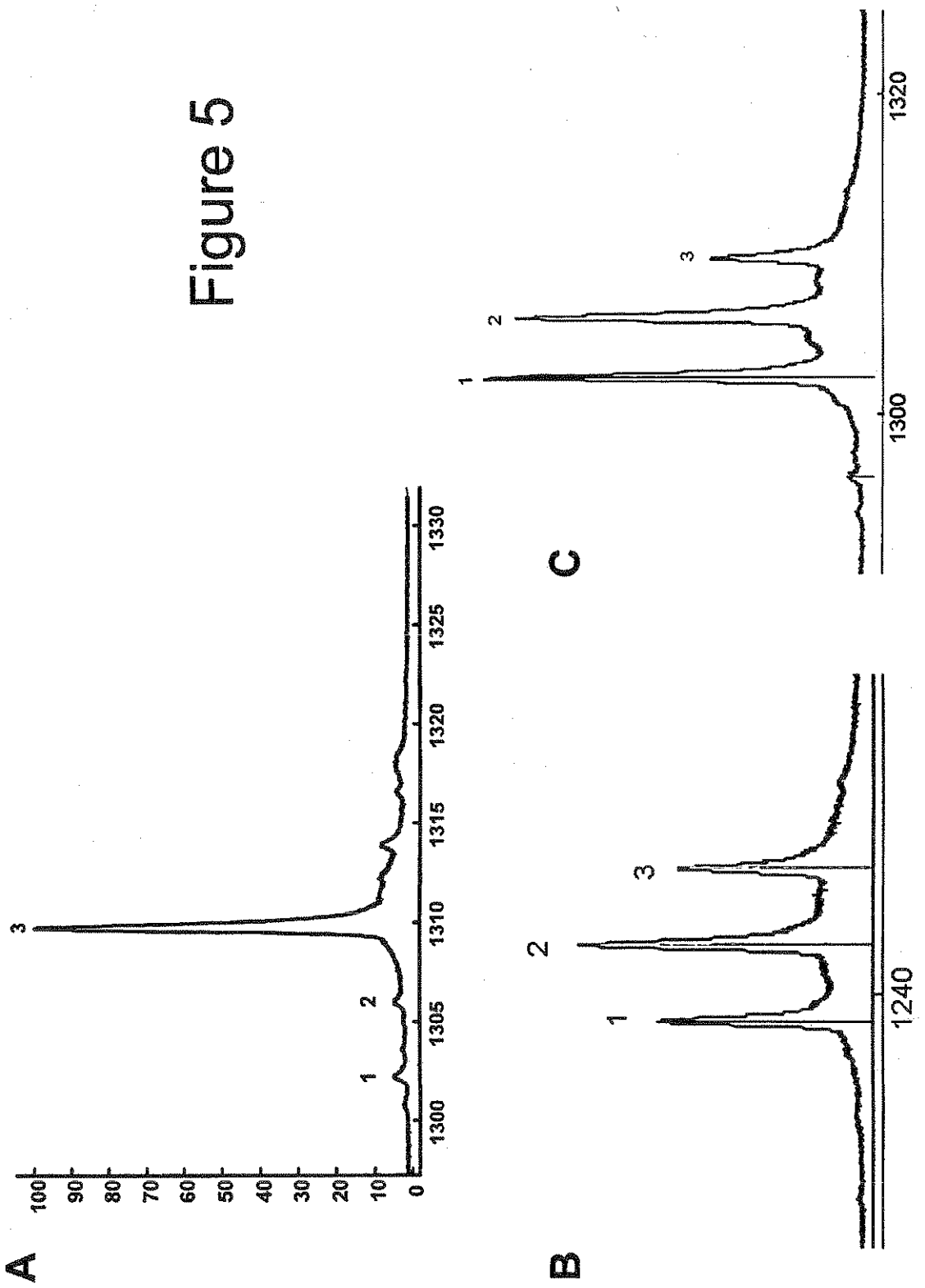

GlcNAc
Man
Gal
Bisecting GlcNAc
1054.317
1136.415
1298.481
1339.573
1460.623
1501.679
m/z
Intens. (a.u.)

Figure 4b

Figure 5


A
100
90
80
70
60
50
40
30
20
10
0
1300
1305
1310
1315
1320
1325
1330
1
2
3
B
1240
C
1300
1320

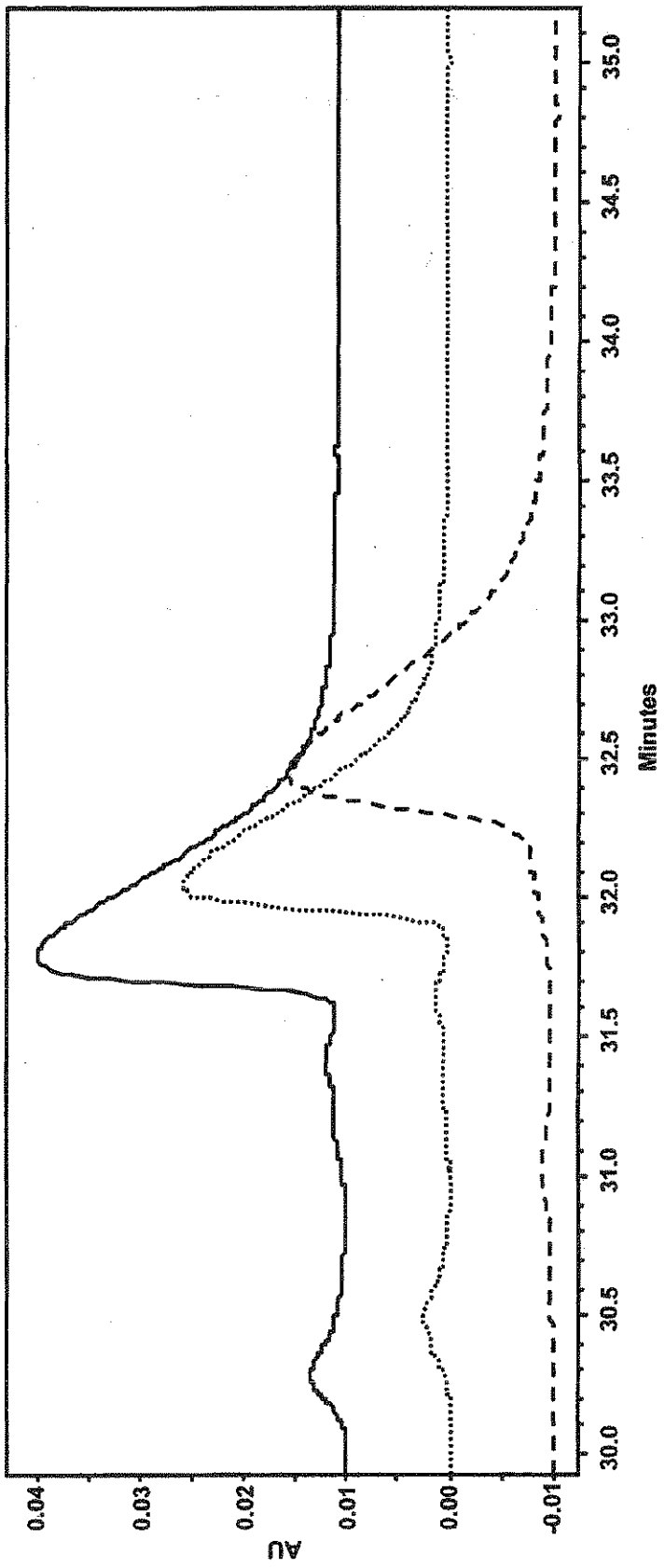

AU
0.04
0.03
0.02
0.01
0.00
-0.01
30.0
30.5
31.0
31.5
32.0
32.5
33.0
33.5
34.0
34.5
35.0
Minutes

Figure 6a

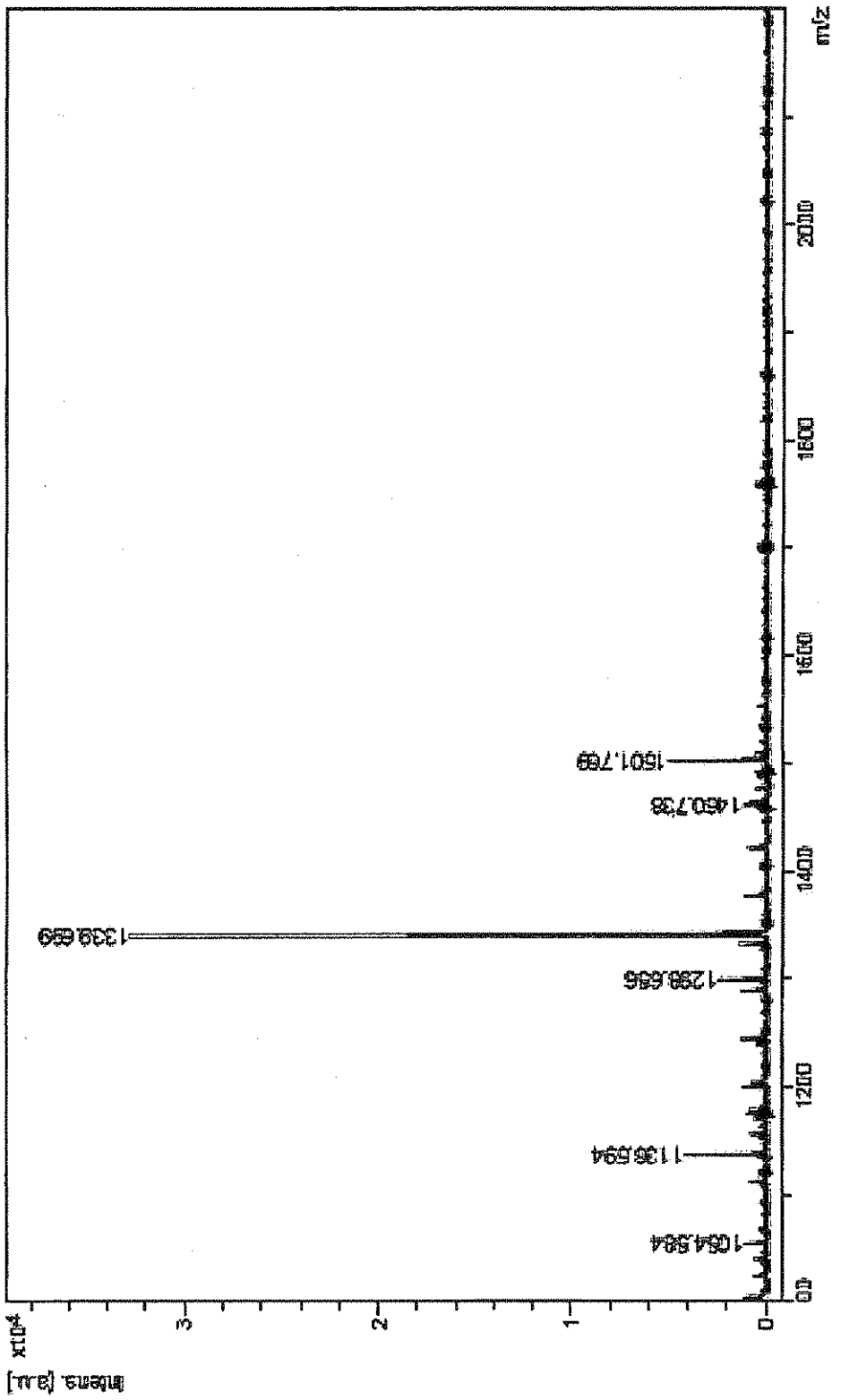

Intens. [a.u.]
x10^4
3
2
1
0
1054.584
1136.594
1238.656
1339.689
1450.738
1501.769
1000
1200
1400
1600
1800
2000
m/z

Figure 6b

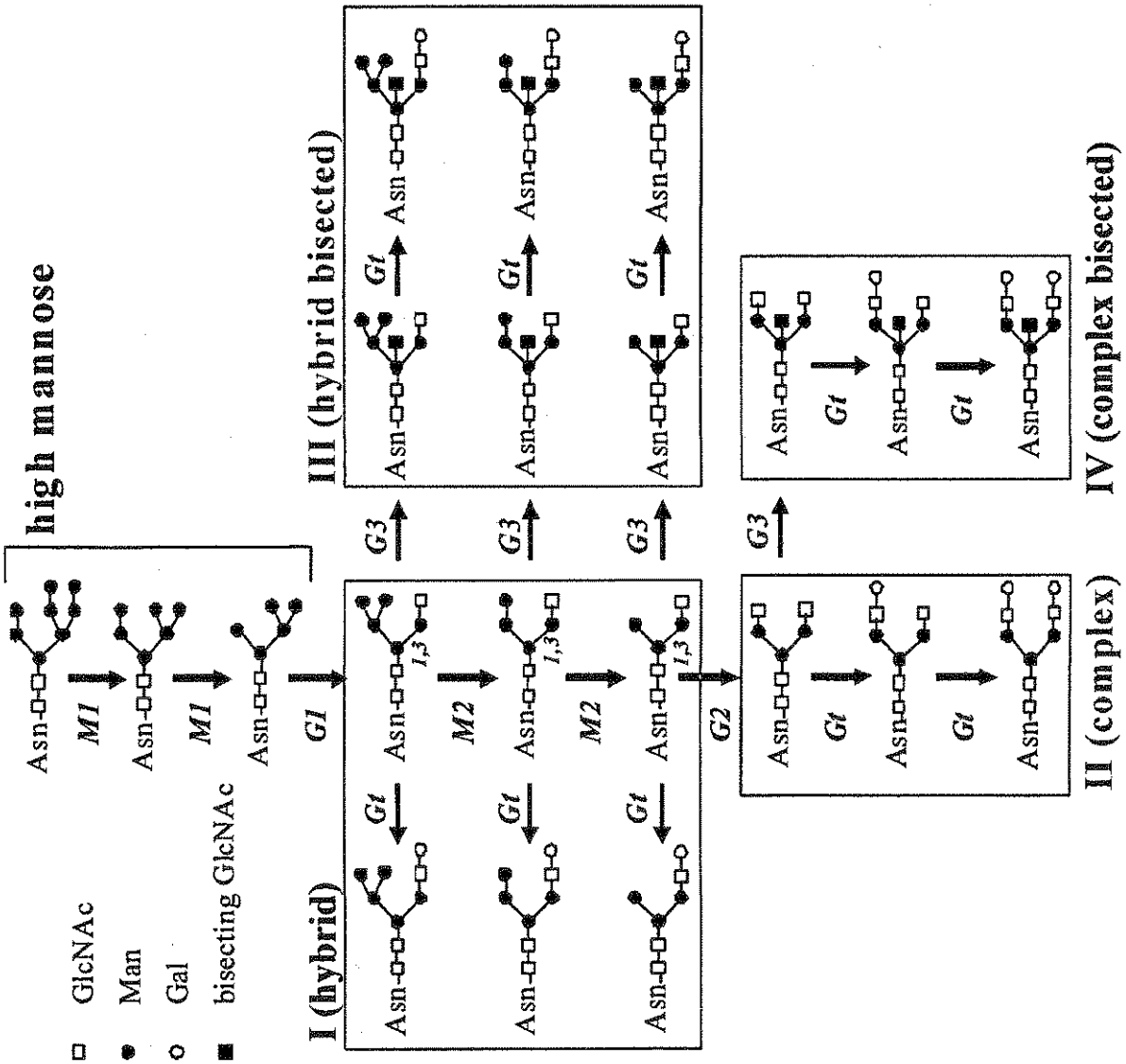

high mannose
GlcNAc
Man
Gal
bisecting GlcNAc
M1
G1
G2
G3
Gt
M2
1,3
I (hybrid)
II (complex)
III (hybrid bisected)
IV (complex bisected)
Asn

Figure 7

Figure 8

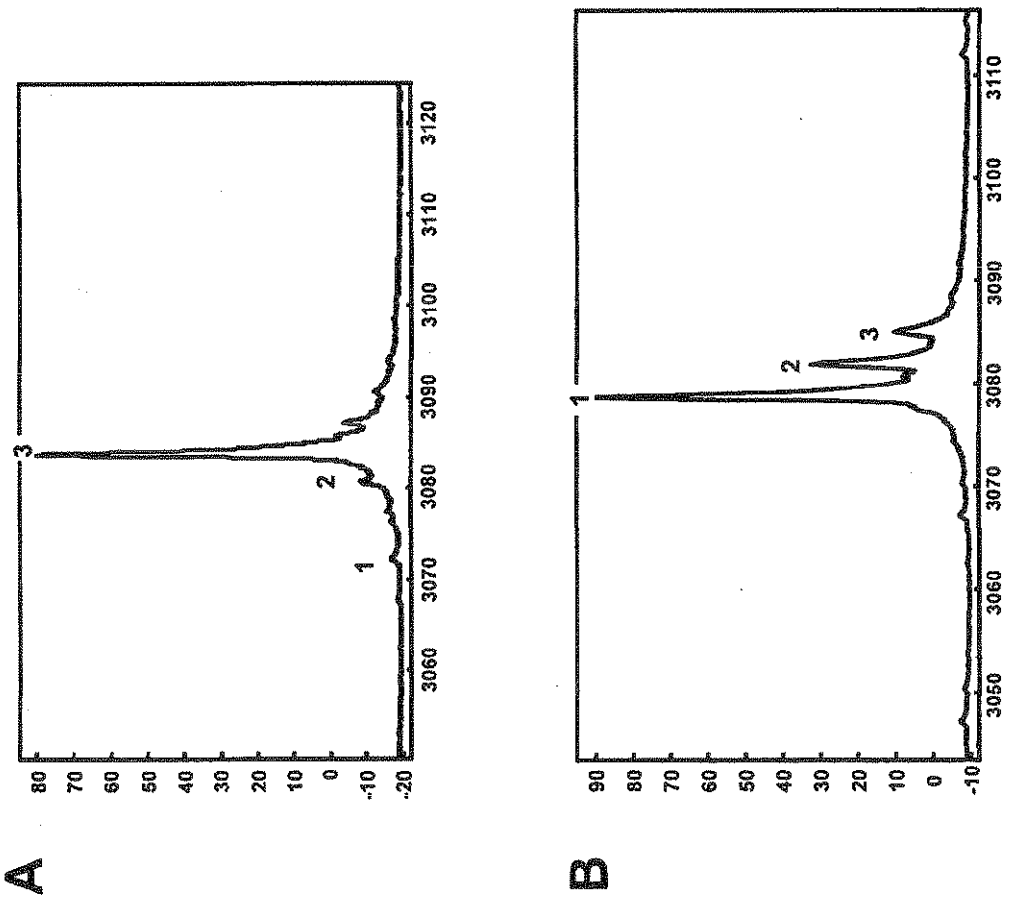
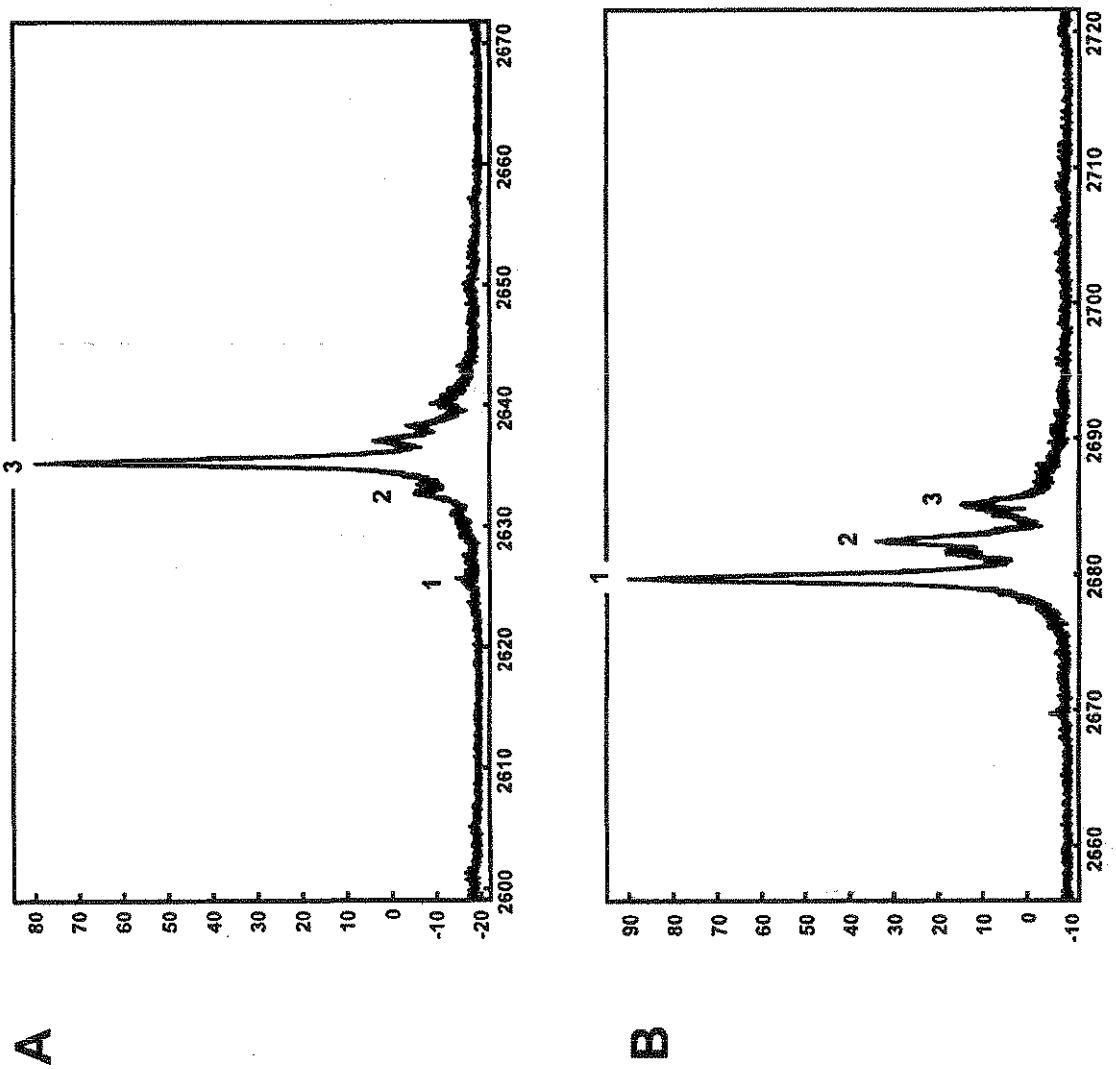

A
B
1
2
3
3060
3070
3080
3090
3100
3110
3120
3050
3060
3070
3080
3090
3100
3110
80
70
60
50
40
30
20
10
0
-10
-20
90
80
70
60
50
40
30
20
10
0
-10

Figure 9


A
B
1
2
3
2600
2610
2620
2630
2640
2650
2660
2670
2680
2690
2700
2710
2720
-20
-10
0
10
20
30
40
50
60
70
80
90