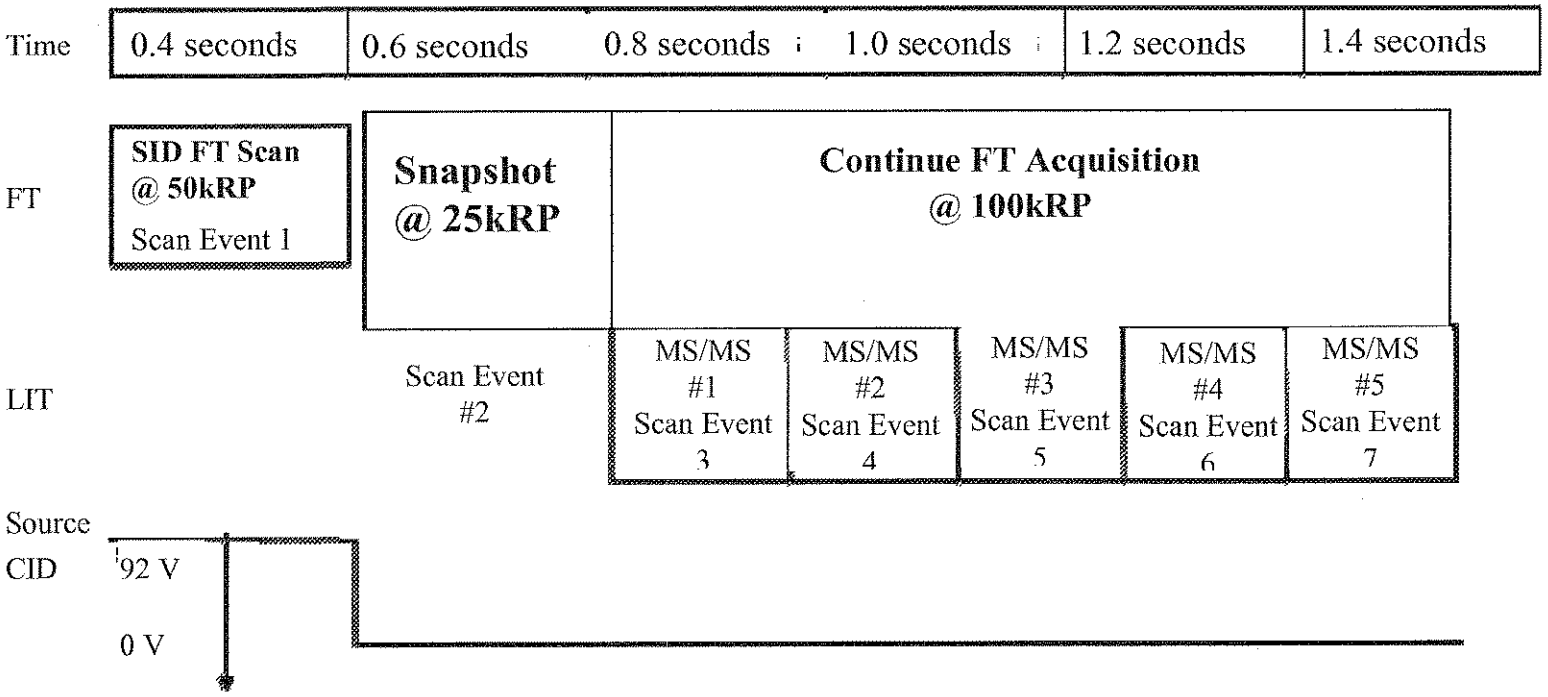

Time
0.4 seconds
0.6 seconds
0.8 seconds
1.0 seconds
1.2 seconds
1.4 seconds
FT
SID FT Scan @ 50kRP
Scan Event 1
Snapshot @ 25kRP
Continue FT Acquisition @ 100kRP
LIT
Scan Event #2
MS/MS #1 Scan Event 3
MS/MS #2 Scan Event 4
MS/MS #3 Scan Event 5
MS/MS #4 Scan Event 6
MS/MS #5 Scan Event 7
Source CID
92 V
0 V

Fig. 1

Fig. 2

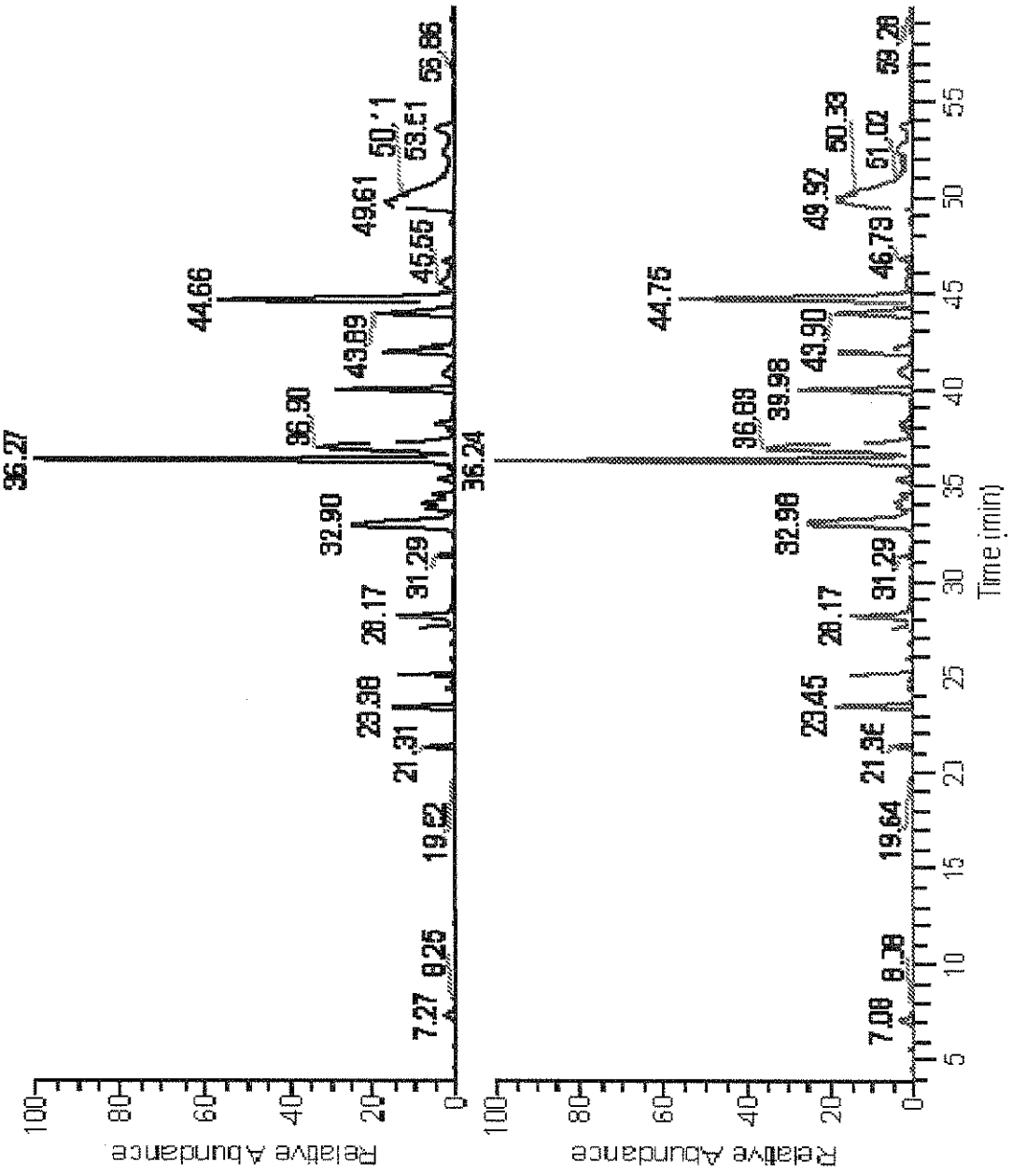

Relative Abundance
Time (min)
36.27
44.66
36.90
43.89
49.61
50.11
53.51
59.86
45.55
32.90
31.29
26.17
23.98
21.31
19.52
8.25
7.27
36.24
44.75
39.98
43.90
49.92
50.39
51.02
59.26
46.79
32.96
31.29
26.17
23.45
21.36
19.64
8.38
7.08

Fig. 3

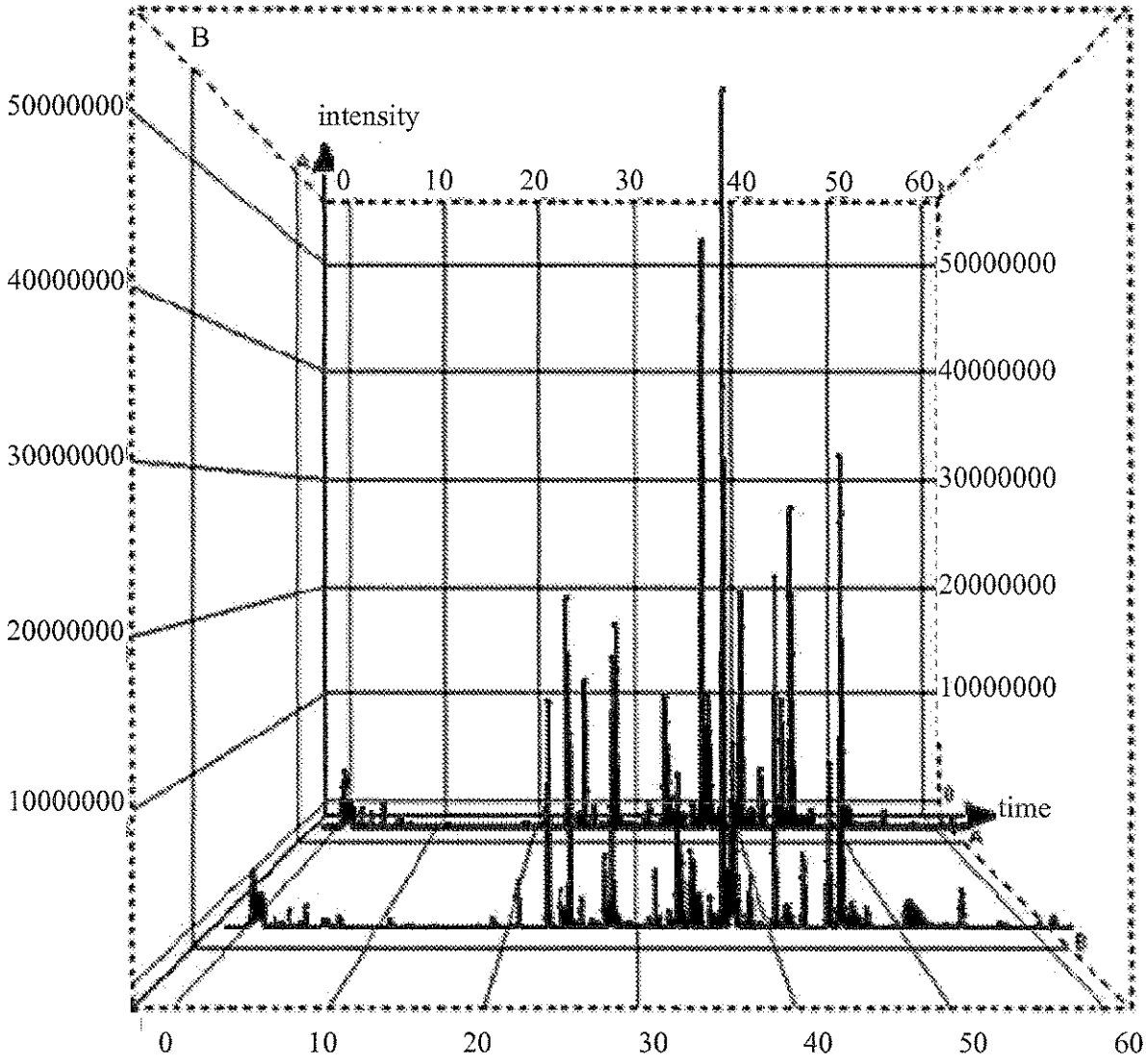

B
intensity
50000000
40000000
30000000
20000000
10000000
0
10
20
30
40
50
60
time

Fig. 4

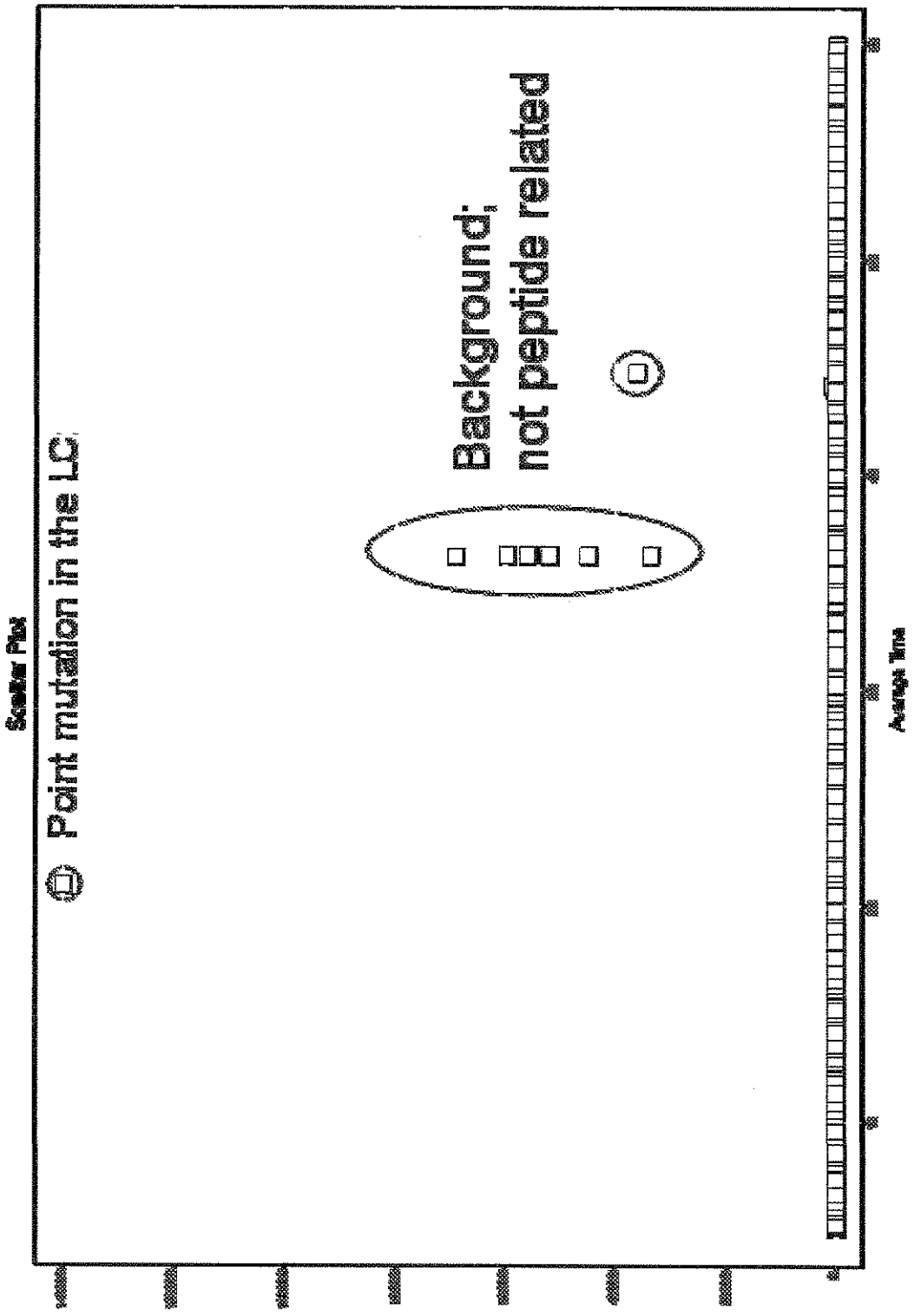

Scatter Plot
Point mutation in the LC
Background;
not peptide related
Average Time

Fig. 5

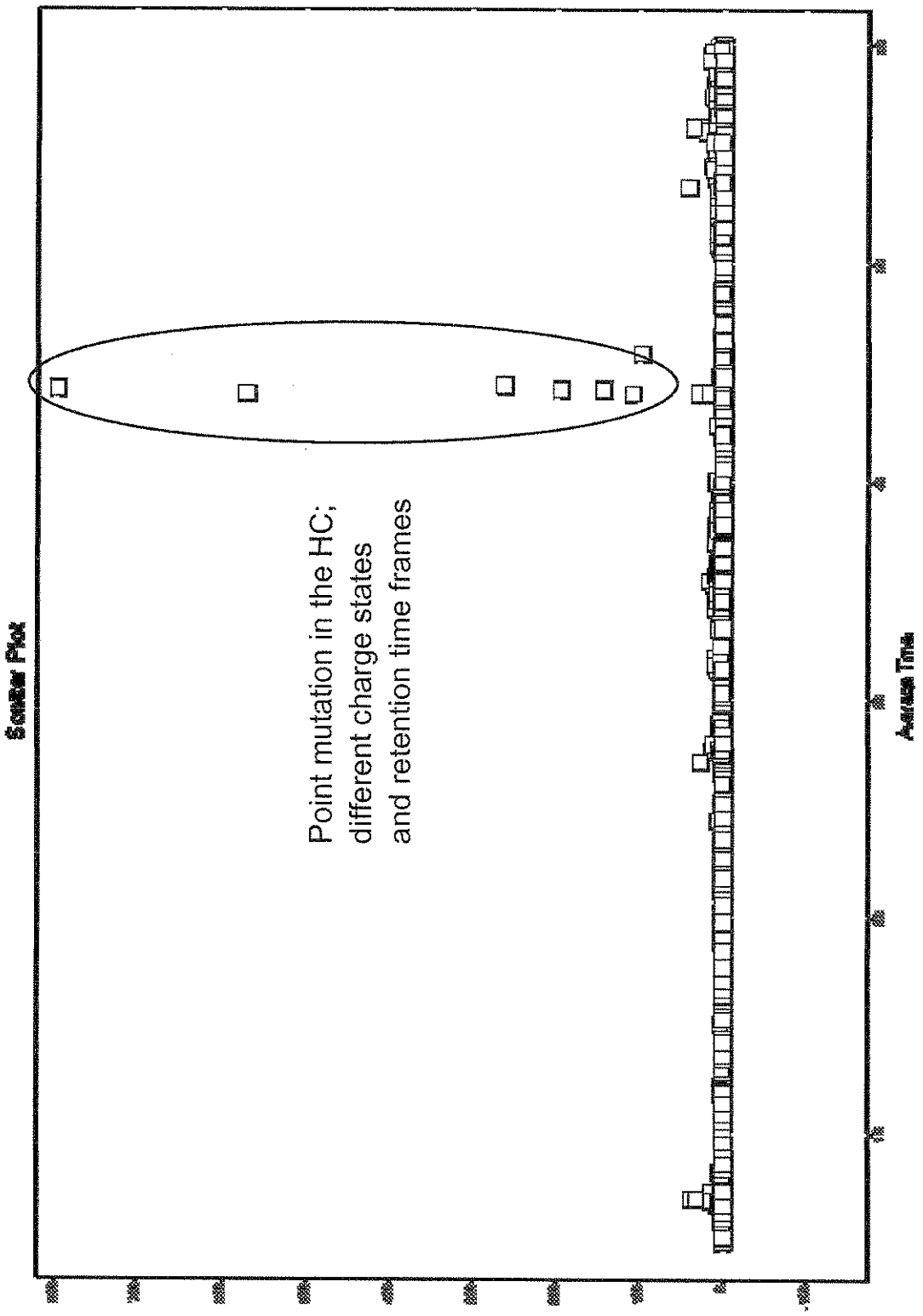

Scatter Plot
Point mutation in the HC;
different charge states
and retention time frames

Fig. 6

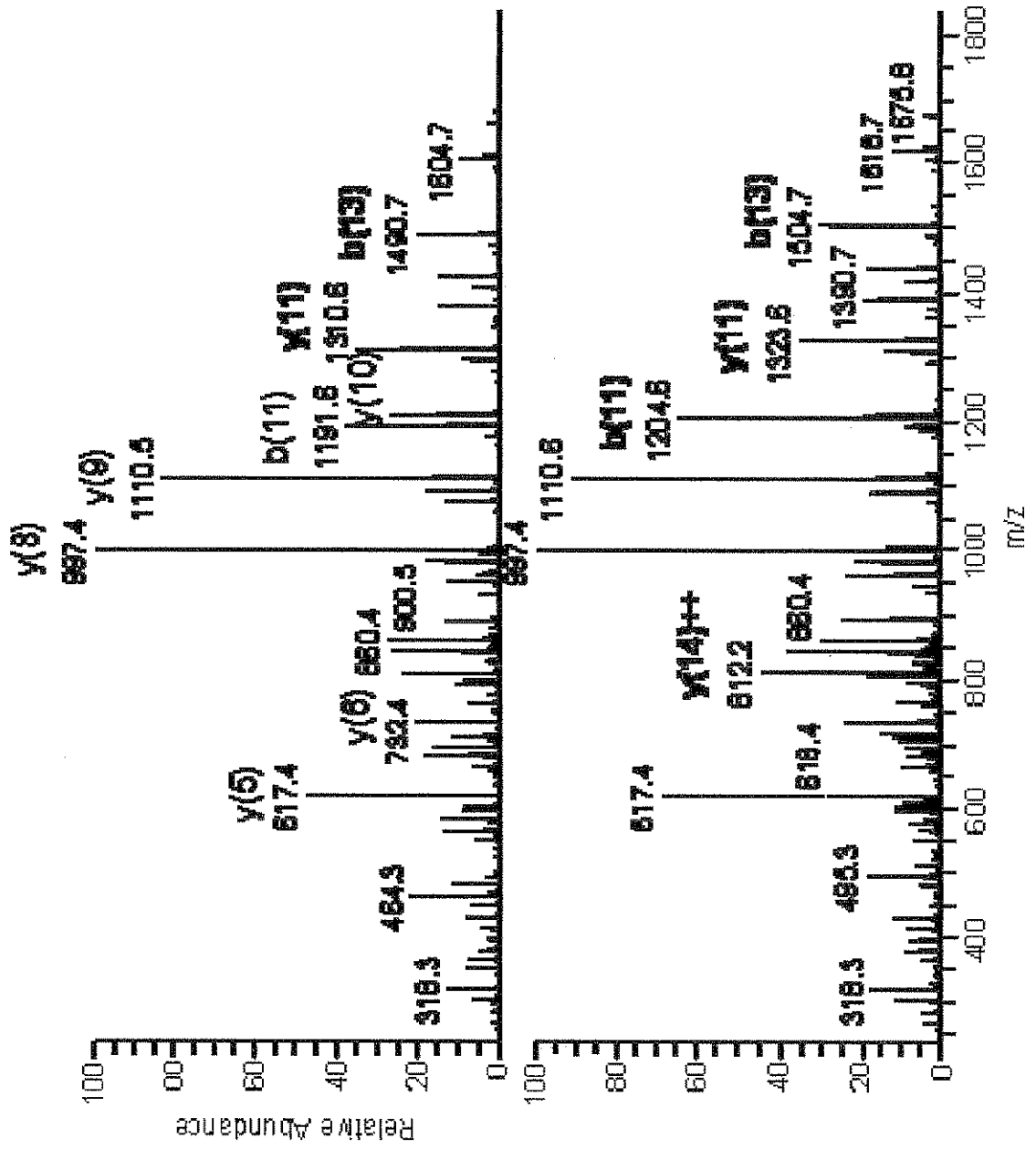

y(8)
887.4
y(8)
1110.5
b(11)
1181.8
y*(11)
1310.8
y(10)
b(13)
1490.7
1804.7
y(5)
617.4
y(6)
792.4
880.4
800.5
484.3
318.3
887.4
1110.8
b(11)
1204.8
y*(11)
1323.8
b(13)
1380.7
1504.7
1616.7
1875.8
y(14)++
812.2
880.4
818.4
617.4
494.3
318.3
Relative Abundance
m/z
100
80
60
40
20
0
400
600
800
1000
1200
1400
1600
1800

Fig. 7

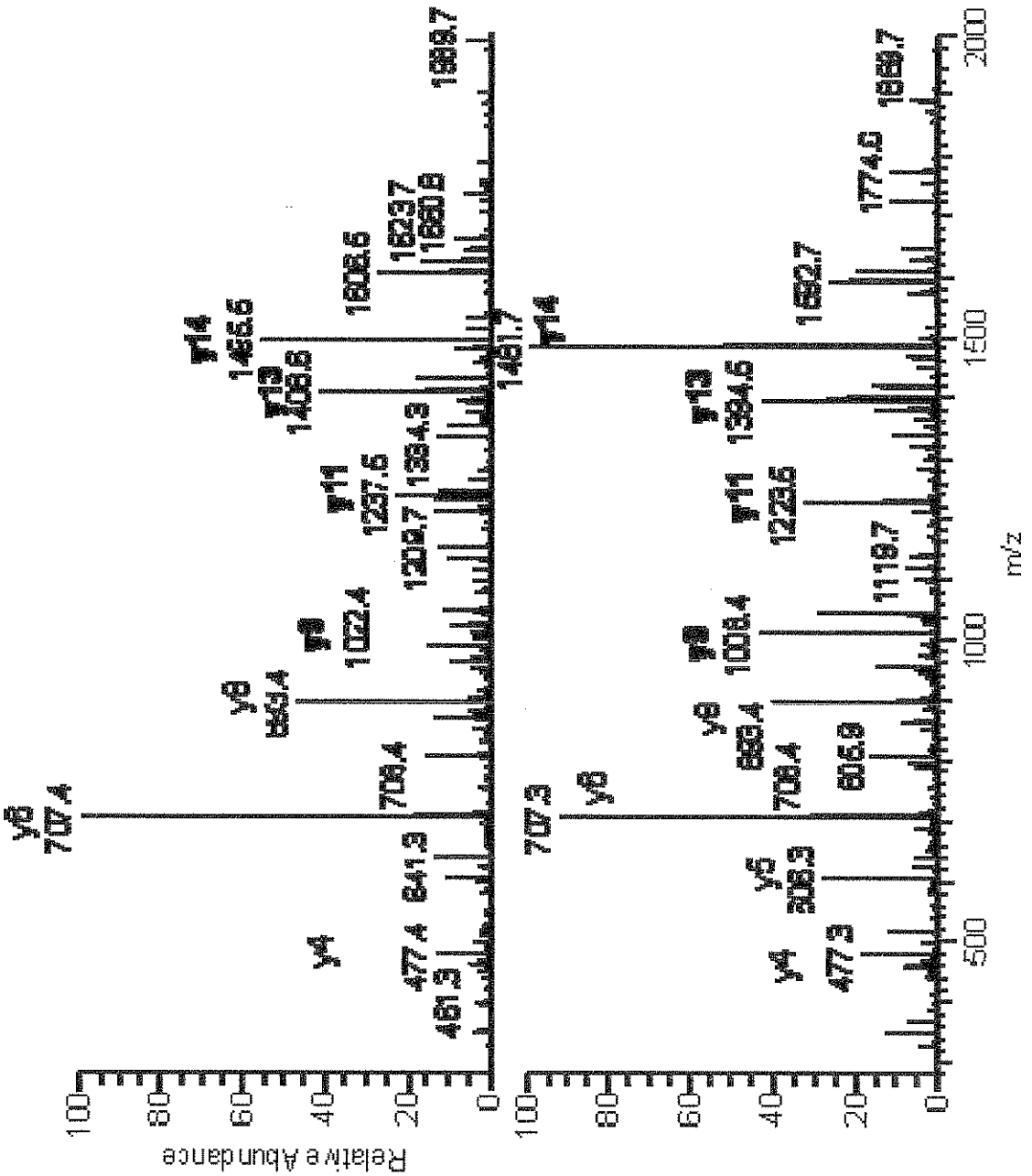

Relative Abundance
m/z
y6
707.4
y8
849.4
y9
1022.4
y11
1237.5
y12
1384.3
y14
1466.6
1808.6
1823.7
1850.8
1888.7
y4
477.4
461.3
841.3
709.4
1209.7
1481.7
y6
707.3
y9
883.4
1008.4
y11
1225.5
y12
1394.6
1682.7
1774.9
1859.7
y5
208.3
y4
477.3
709.4
806.9
1119.7
0
20
40
60
80
100
500
1000
1500
2000

Fig. 8

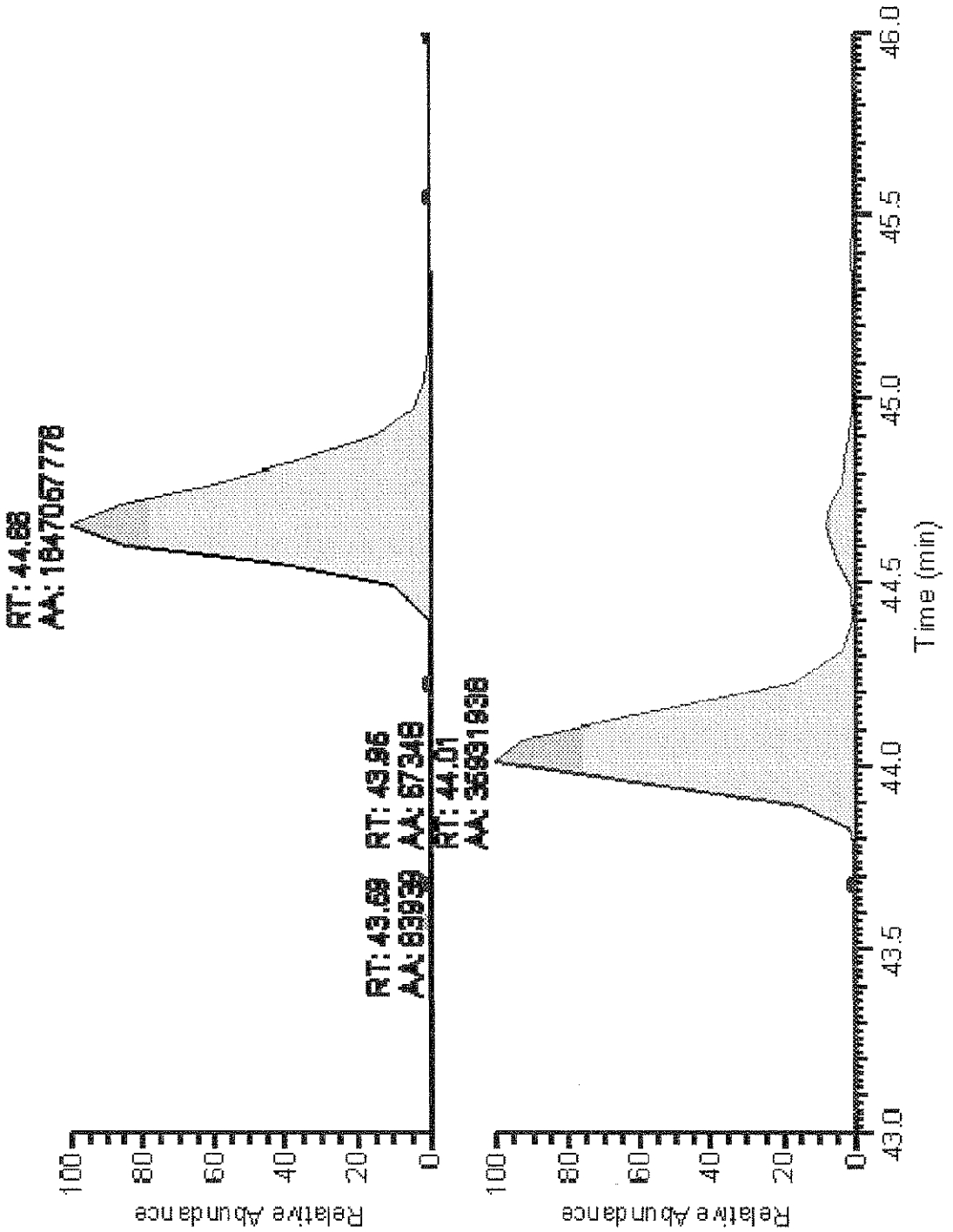

RT: 44.88
AA: 1847067778
RT: 43.69
AA: 83939
RT: 43.95
AA: 67348
RT: 44.01
AA: 3891838
Relative Abundance
Time (min)
100
80
60
40
20
0
43.0
43.5
44.0
44.5
45.0
45.5
46.0

Fig. 9

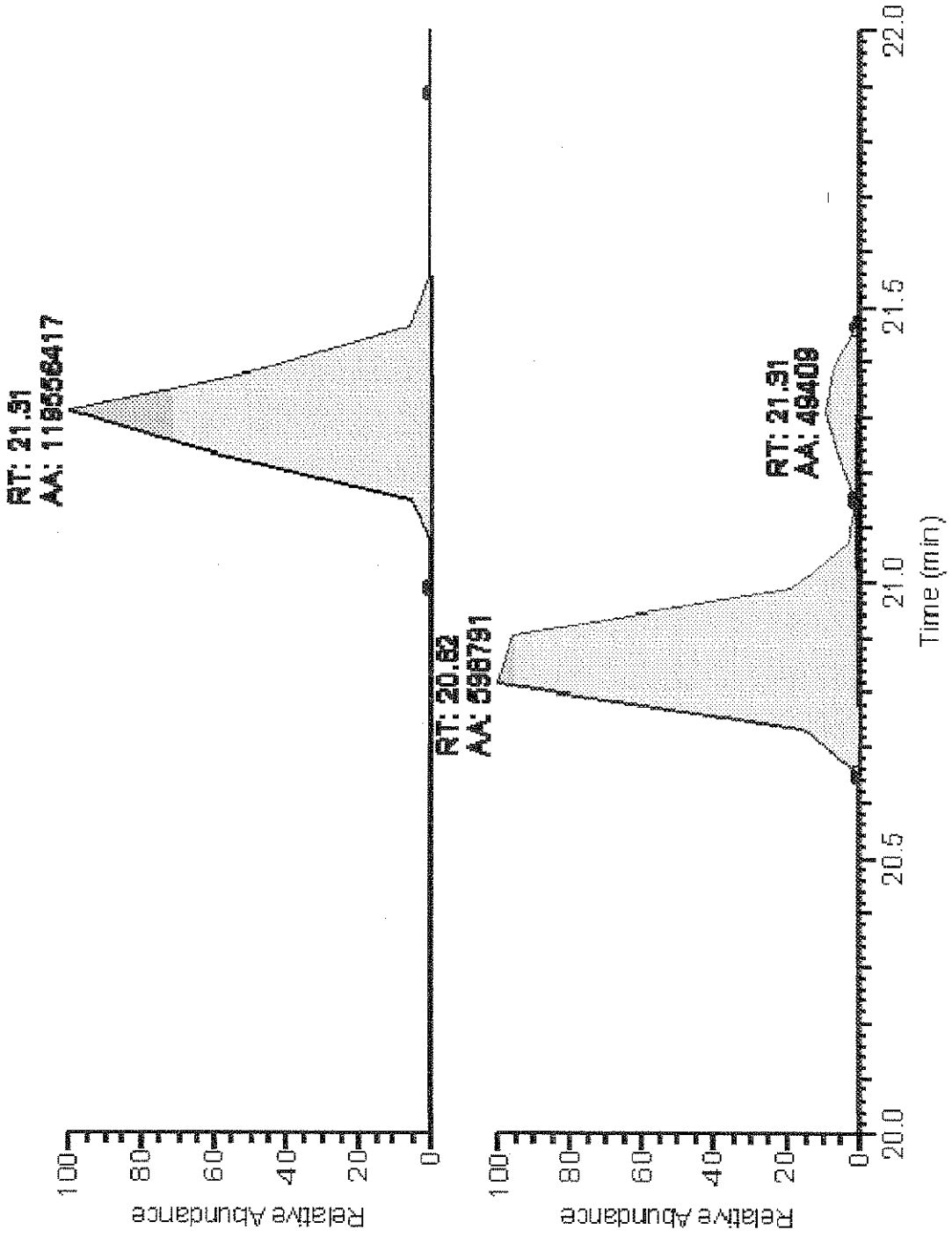

RT: 21.51
AA: 118558417
RT: 20.62
AA: 698791
RT: 21.51
AA: 49409
Relative Abundance
Relative Abundance
Time (min)
100
80
60
40
20
0
20.0
20.5
21.0
21.5
22.0

Fig. 10

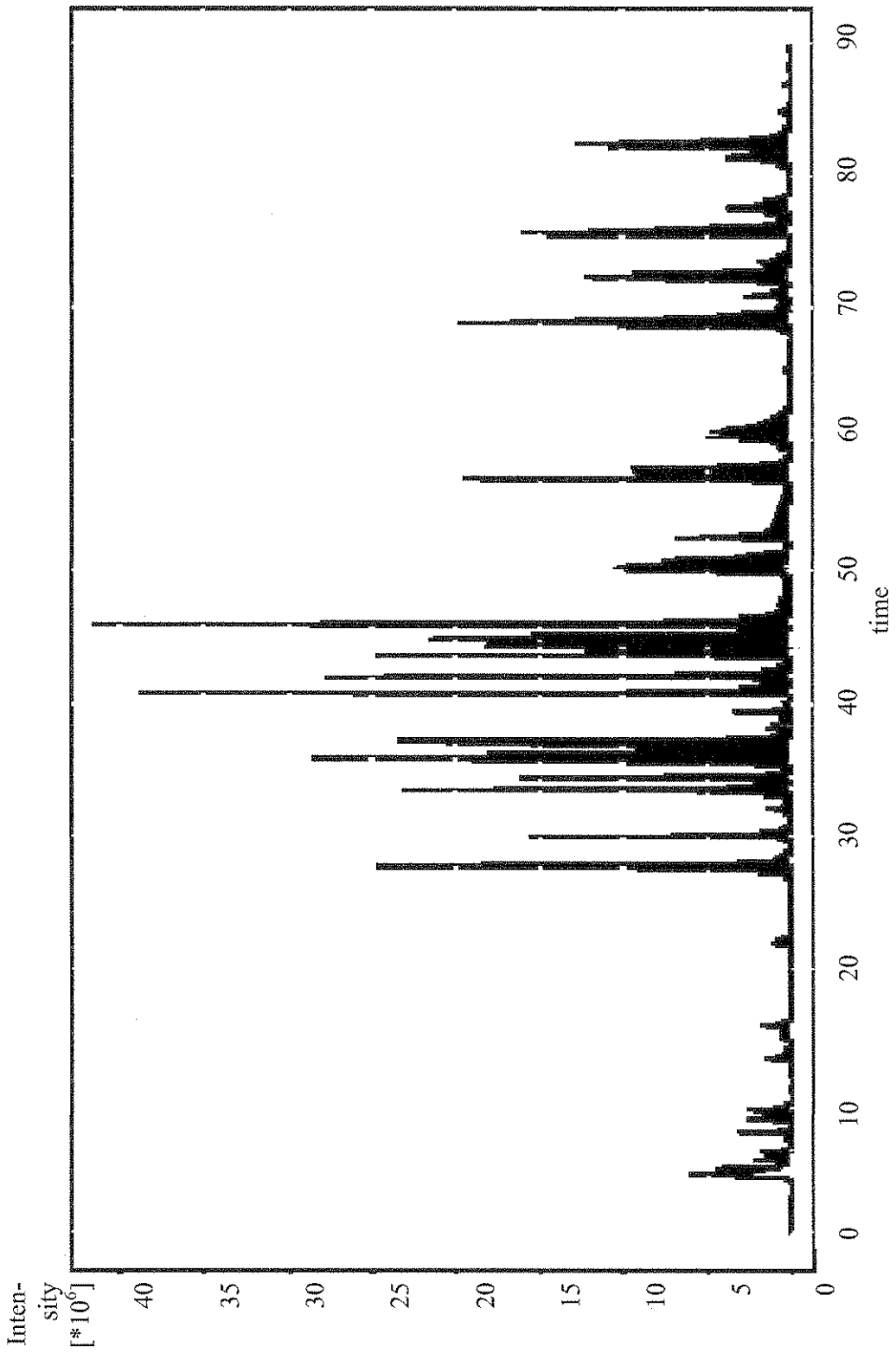

Inten-
sity
[*10^6]
40
35
30
25
20
15
10
5
0
0
10
20
30
40
50
60
70
80
90
time

Fig. 11

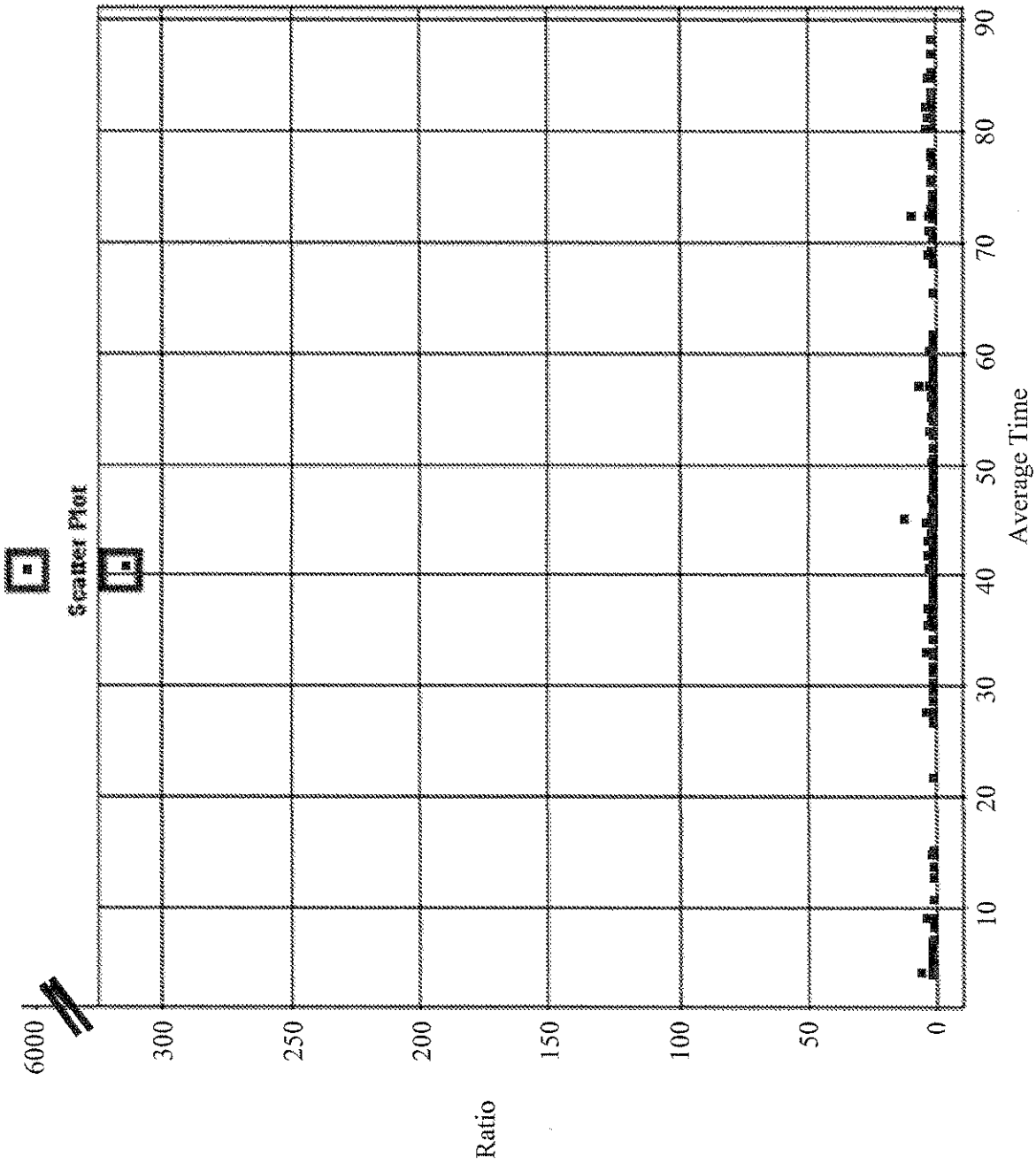

Scatter Plot
6000
300
250
200
150
100
50
0
Ratio
10
20
30
40
50
60
70
80
90
Average Time

Fig. 12

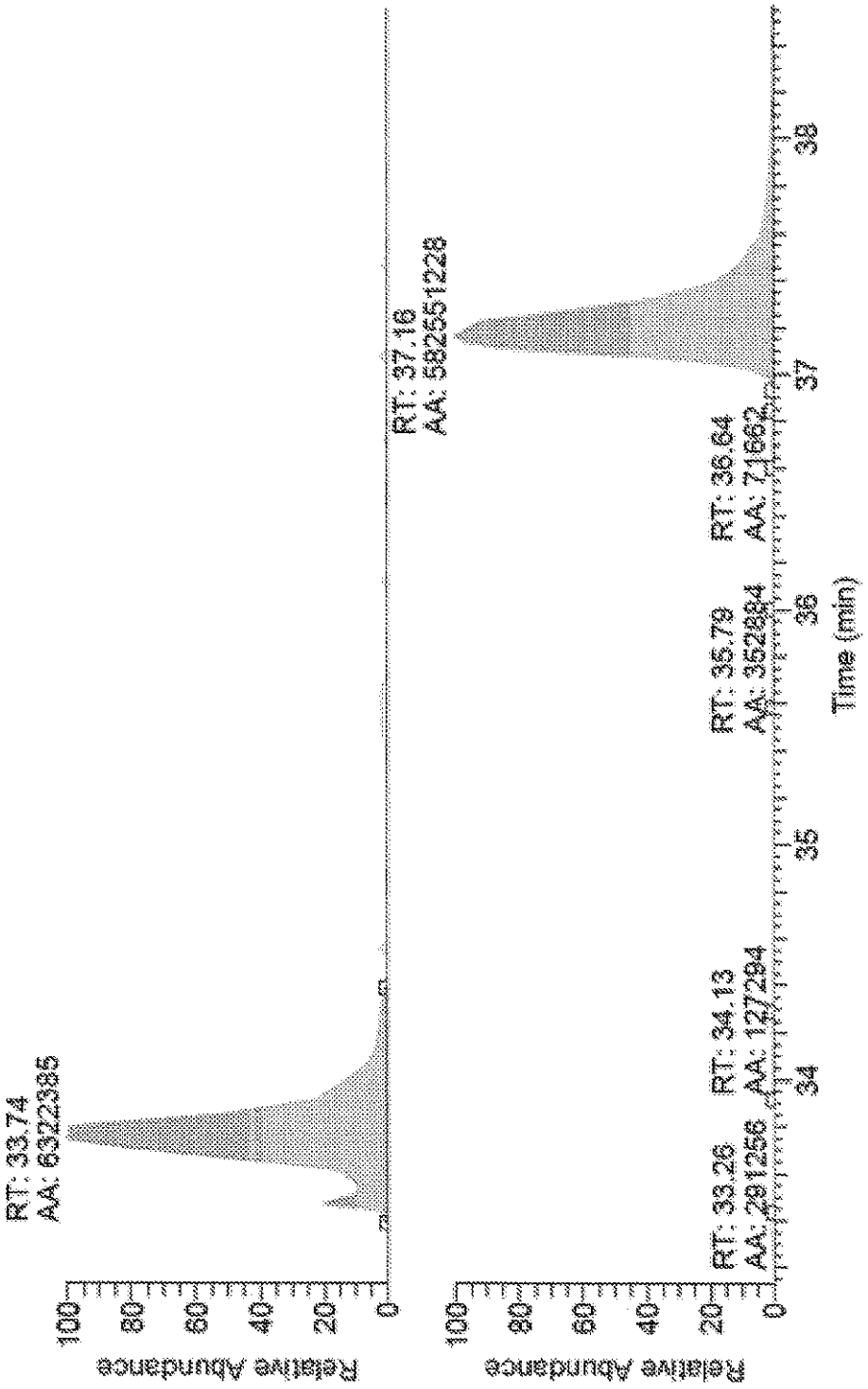
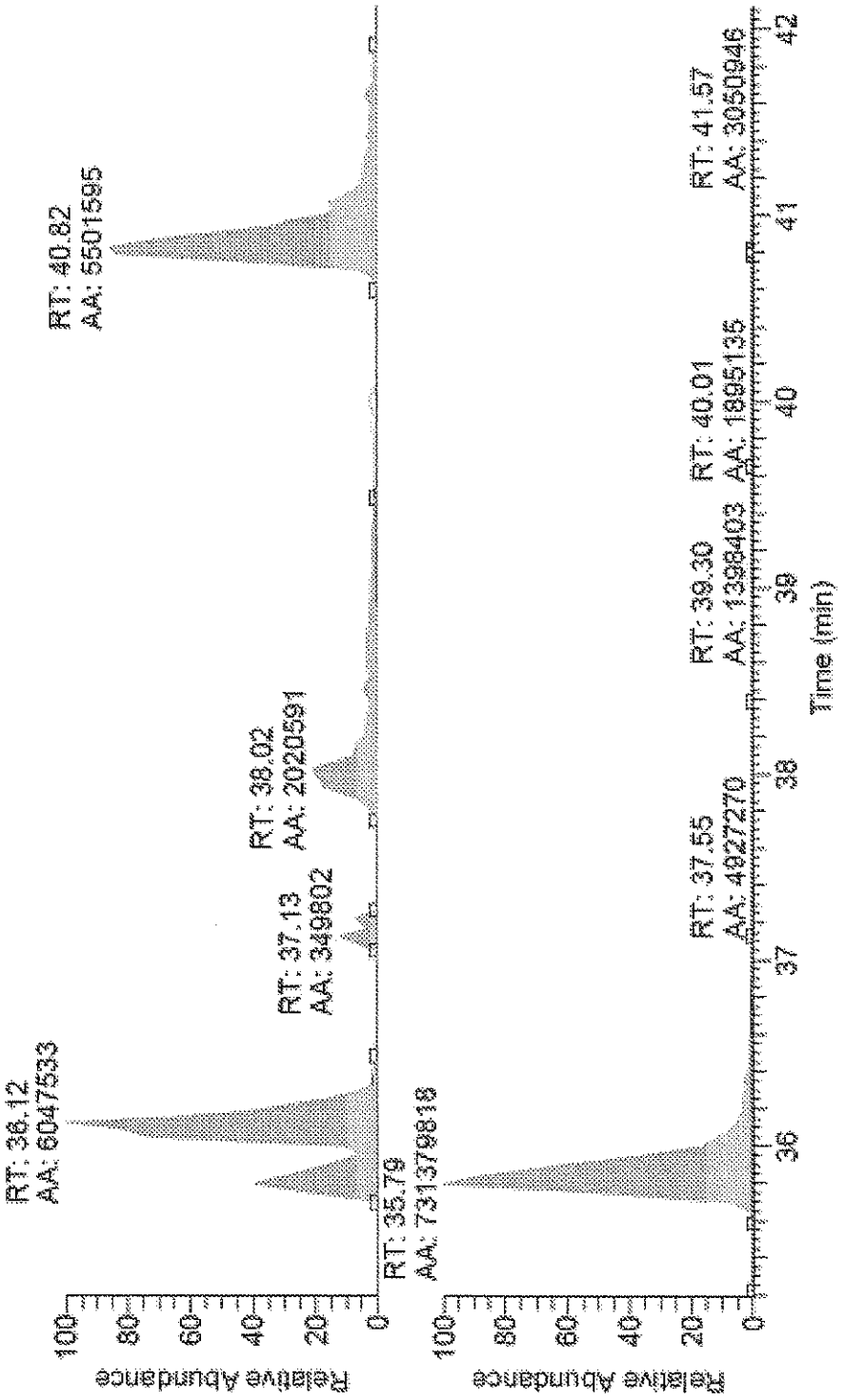

RT: 33.74
AA: 6322385
RT: 37.16
AA: 5825511228
RT: 33.26
AA: 281256
RT: 34.13
AA: 127294
RT: 35.79
AA: 352884
RT: 36.64
AA: 71652
Relative Abundance
Relative Abundance
Time (min)

Fig. 13


RT: 38.12
AA: 6047533
RT: 37.13
AA: 349802
RT: 38.02
AA: 2020591
RT: 35.79
AA: 731379818
RT: 40.82
AA: 5501595
RT: 37.55
AA: 4927270
RT: 39.30
AA: 1398403
RT: 40.01
AA: 1995135
RT: 41.57
AA: 3050946
Relative Abundance
Time (min)