Fig. 1A

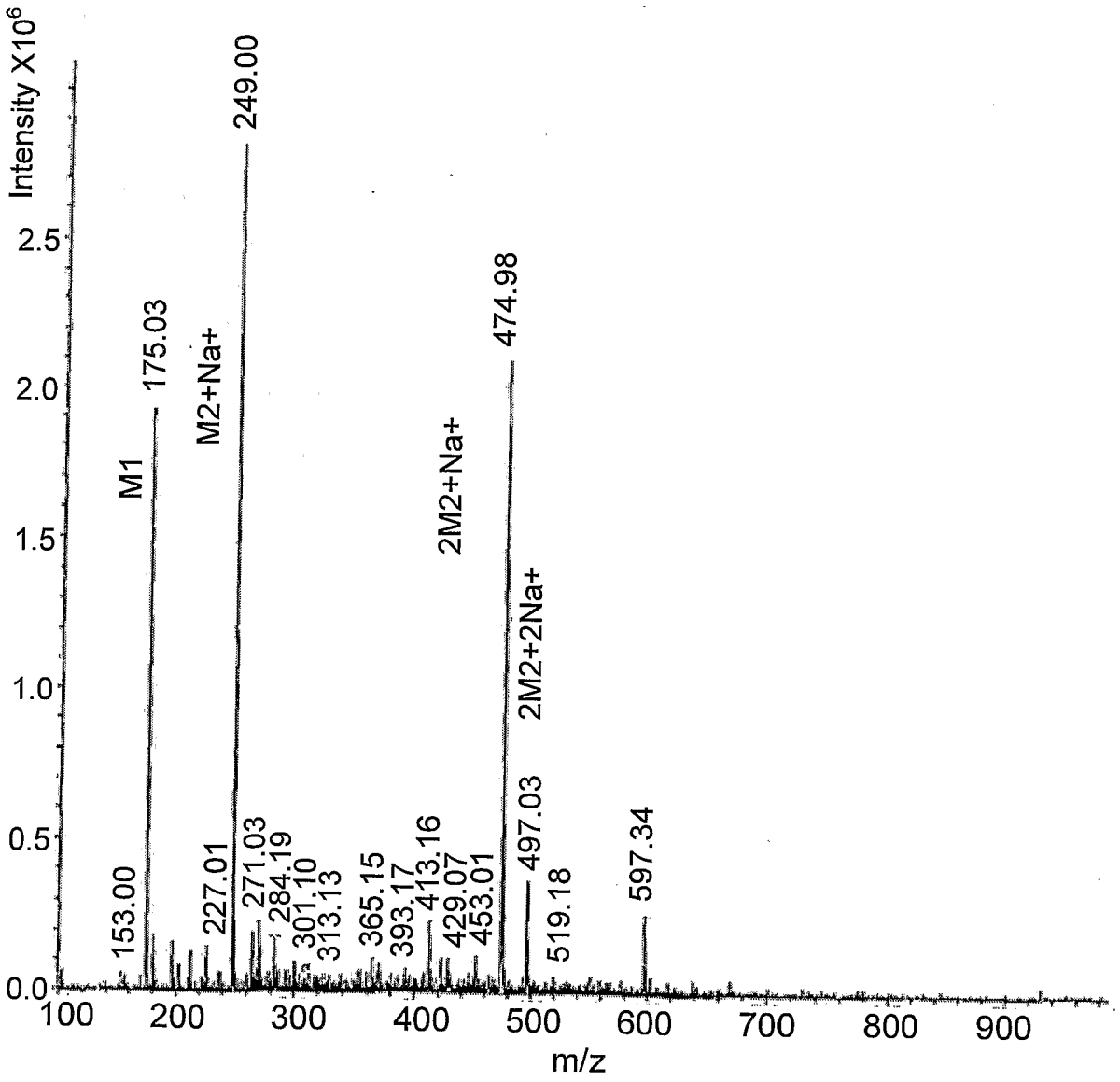

Intensity X10^6
2.5
2.0
1.5
1.0
0.5
0.0
100
200
300
400
500
600
700
800
900
m/z
M1
175.03
M2+Na+
249.00
2M2+Na+
474.98
2M2+2Na+
153.00
227.01
271.03
284.19
301.10
313.13
365.15
393.17
413.16
429.07
453.01
497.03
519.18
597.34

Fig. 1B

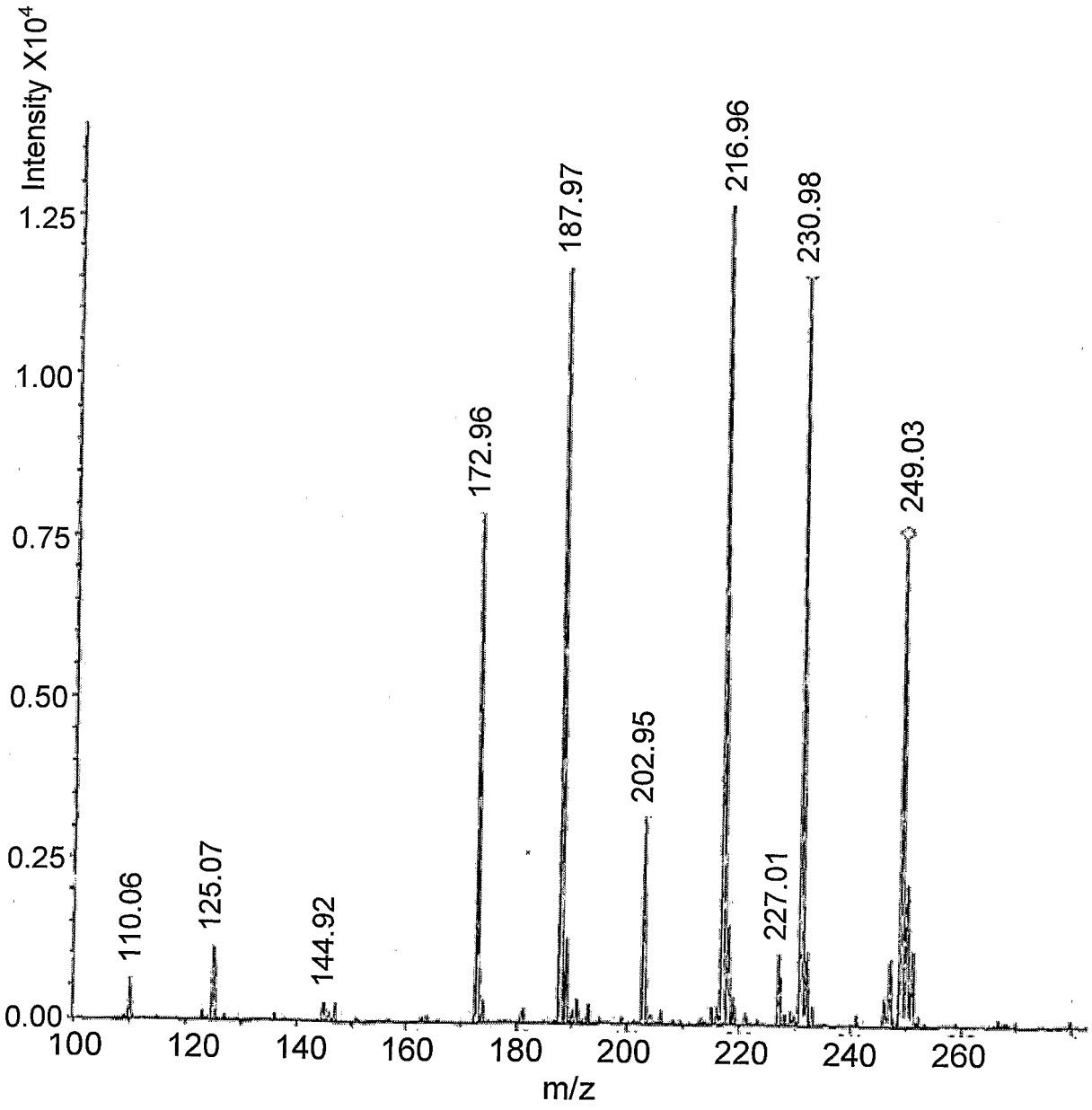

Intensity X10^4
1.25
1.00
0.75
0.50
0.25
0.00
110.06
125.07
144.92
172.96
187.97
202.95
216.96
227.01
230.98
249.03
100
120
140
160
180
200
220
240
260
m/z

Fig. 1C

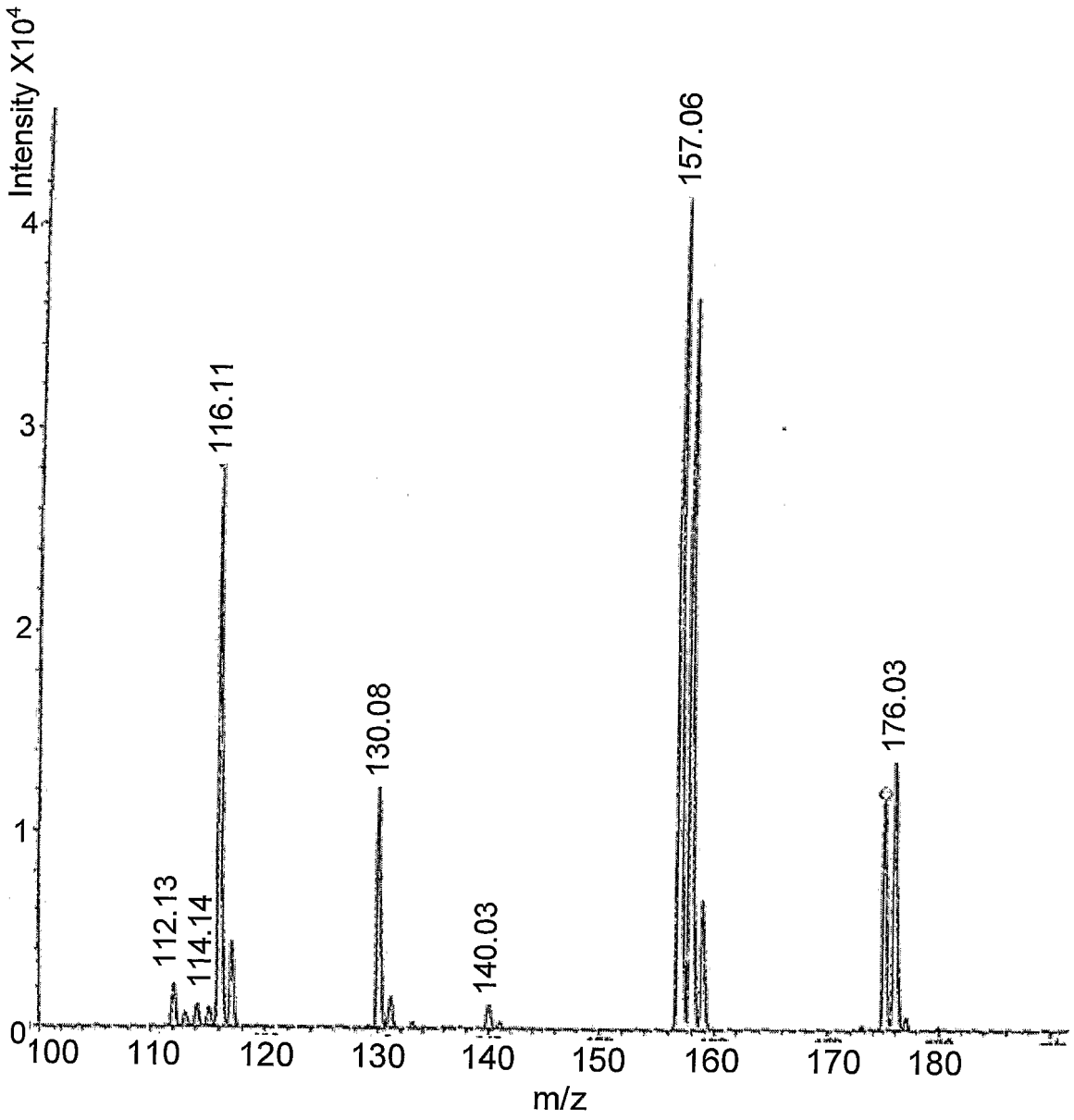

Intensity X10^4
4
3
2
1
0
112.13
114.14
116.11
130.08
140.03
157.06
176.03
100
110
120
130
140
150
160
170
180
m/z

Fig. 2A

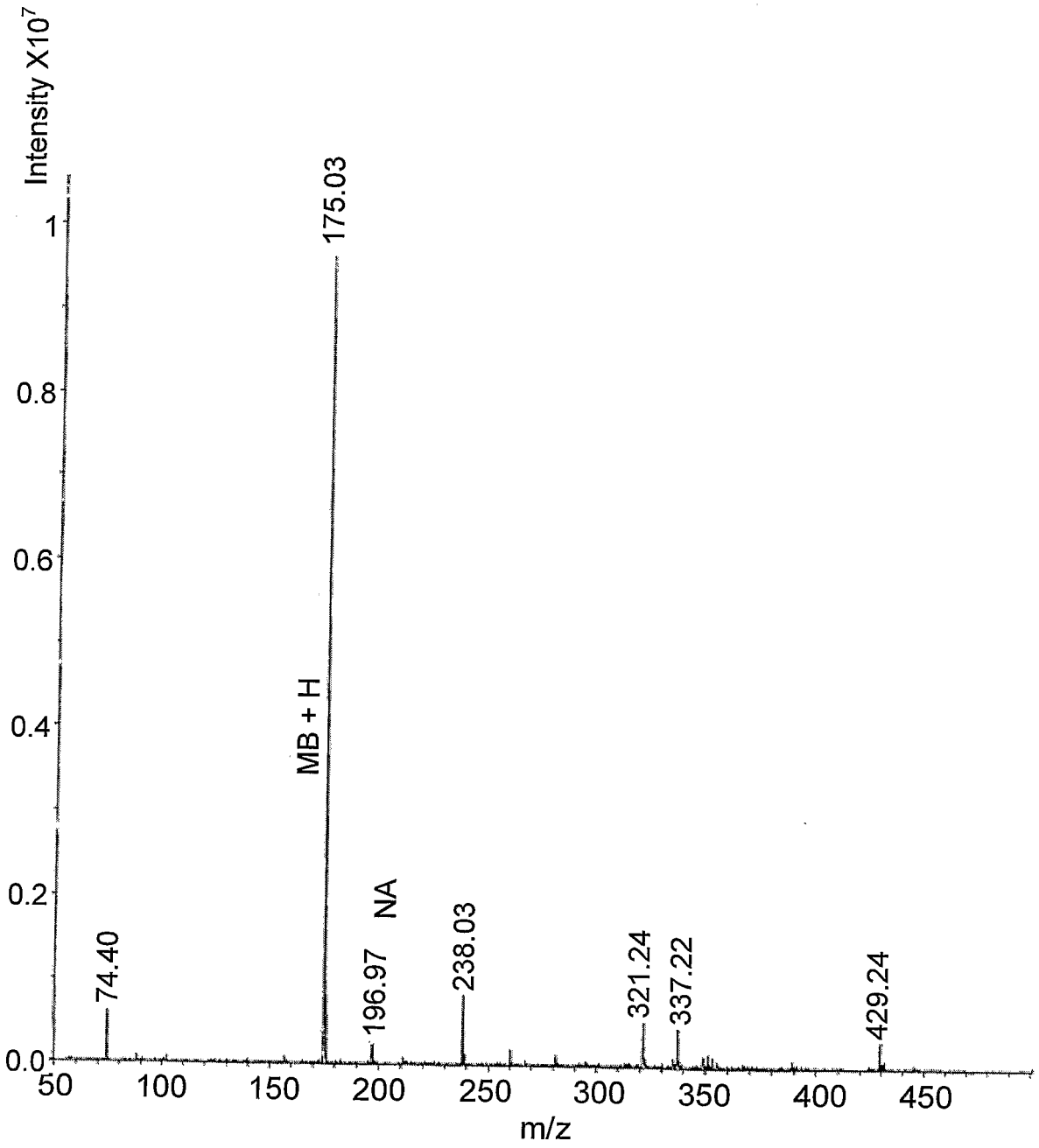

Intensity X10^7
1
0.8
0.6
0.4
0.2
0.0
175.03
MB + H
74.40
196.97
NA
238.03
321.24
337.22
429.24
50
100
150
200
250
300
350
400
450
m/z

Fig. 2B

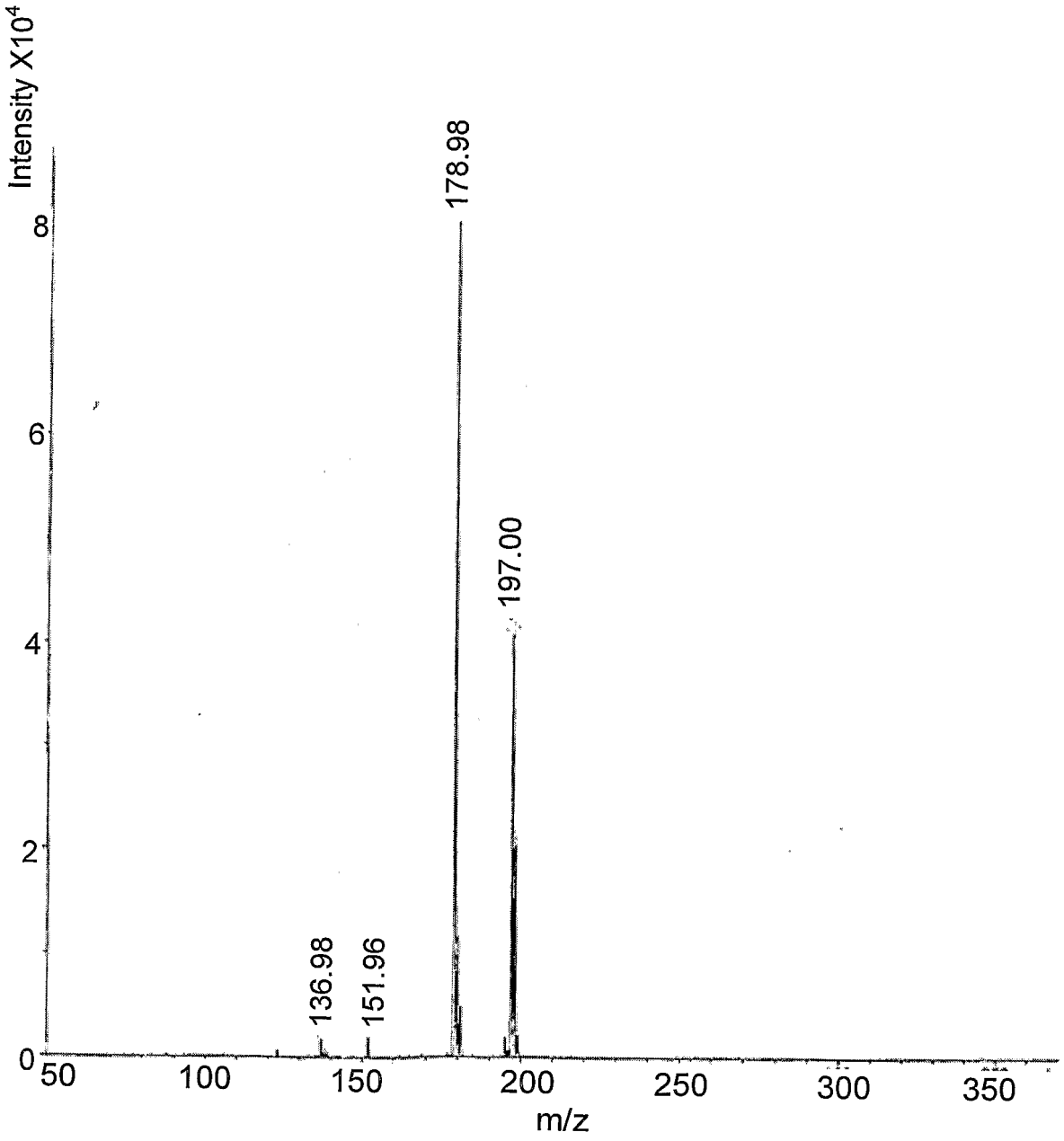

Intensity X10^4
8
6
4
2
0
178.98
197.00
136.98
151.96
50
100
150
200
250
300
350
m/z

Fig. 2C

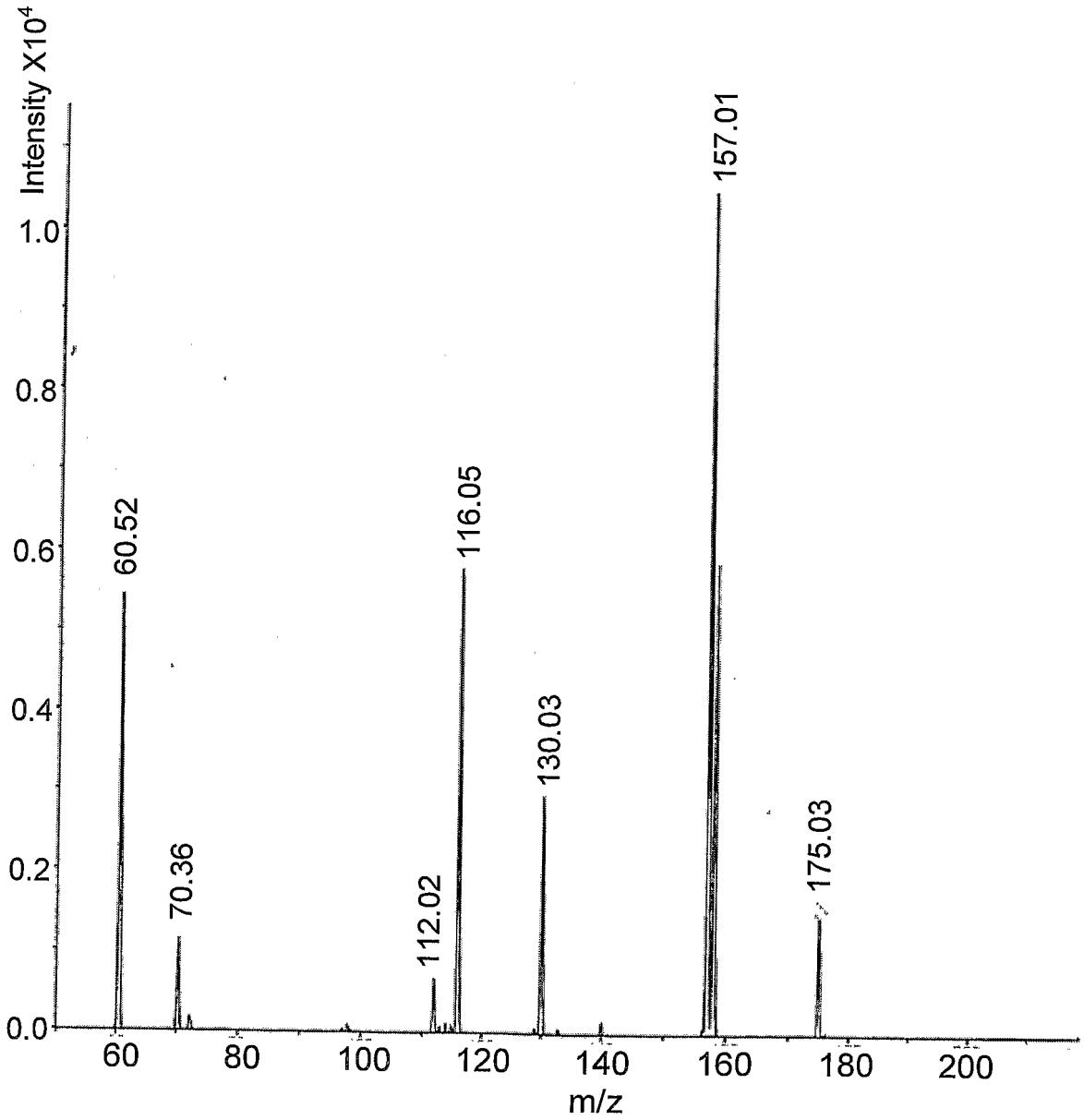

Intensity X10^4
1.0
0.8
0.6
0.4
0.2
0.0
60.52
70.36
112.02
116.05
130.03
157.01
175.03
60
80
100
120
140
160
180
200
m/z

Fig. 3A

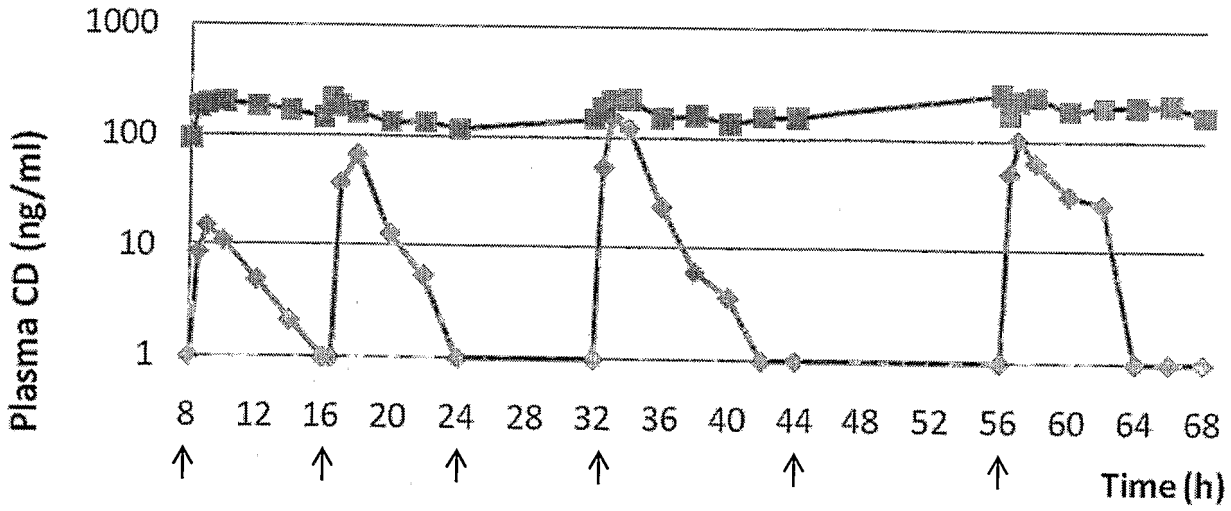

1000
100
10
1
Plasma CD (ng/ml)
8 12 16 20 24 28 32 36 40 44 48 52 56 60 64 68
Time (h)

Fig. 3B

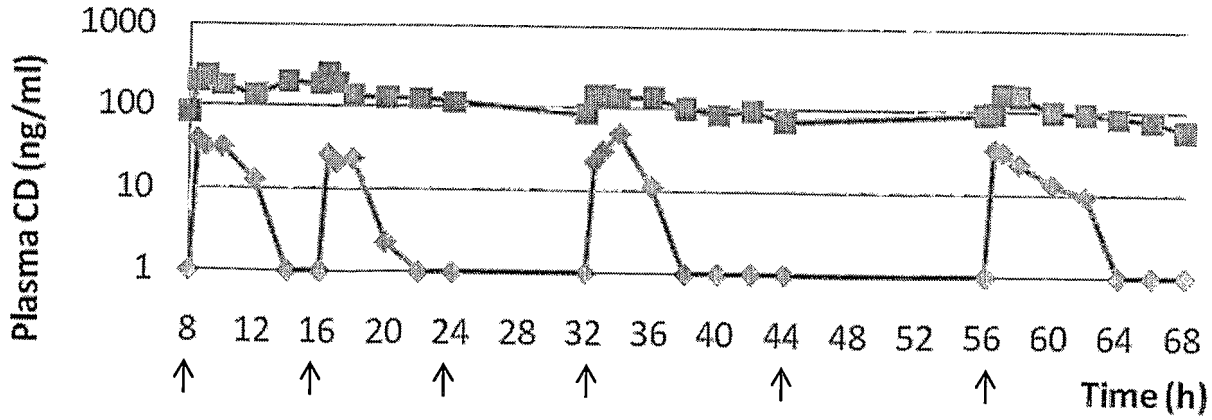

1000
100
10
1
Plasma CD (ng/ml)
8 12 16 20 24 28 32 36 40 44 48 52 56 60 64 68
Time (h)

Fig. 3C

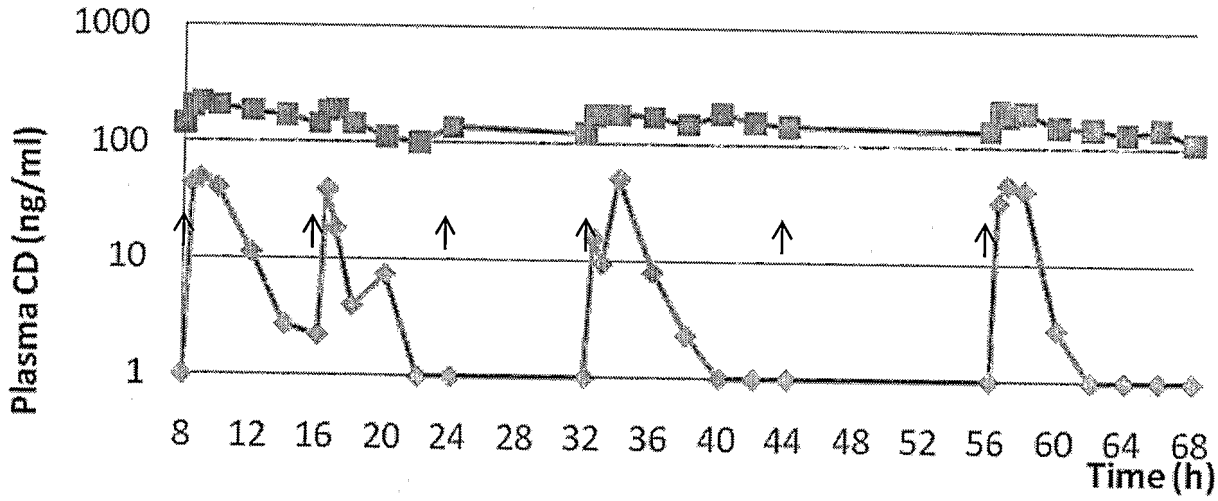

1000
100
10
1
Plasma CD (ng/ml)
8 12 16 20 24 28 32 36 40 44 48 52 56 60 64 68
Time (h)

Fig. 4A1

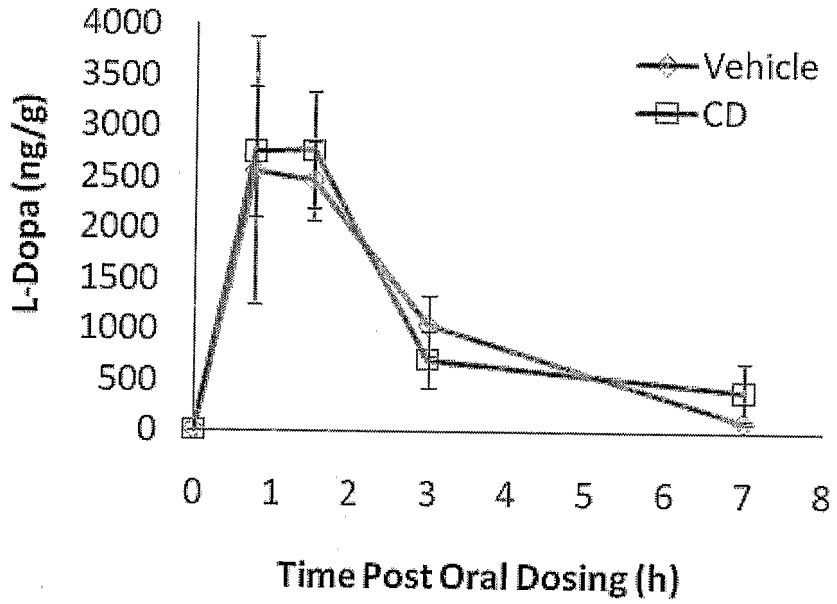


Fig. 4A2

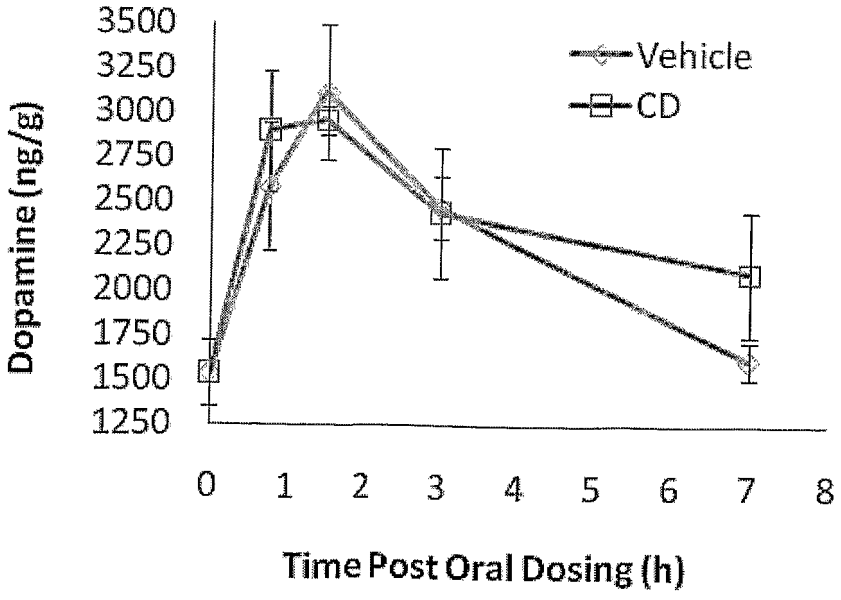


Fig. 4B1

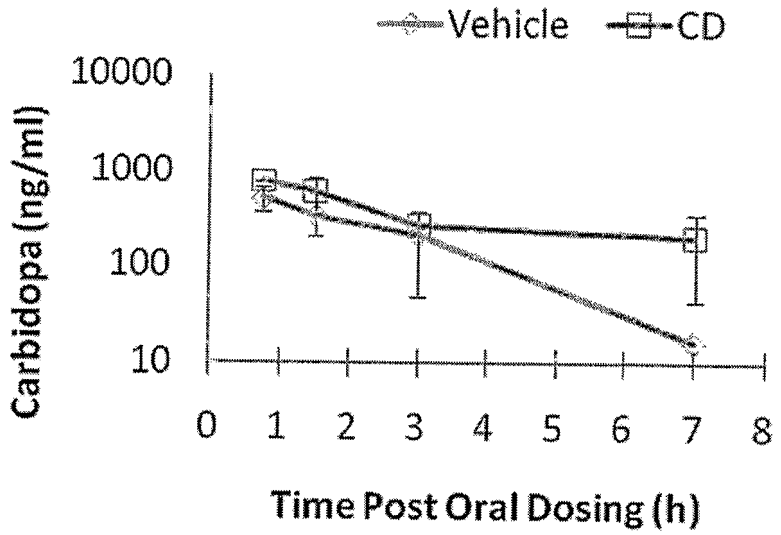


Fig. 4B2

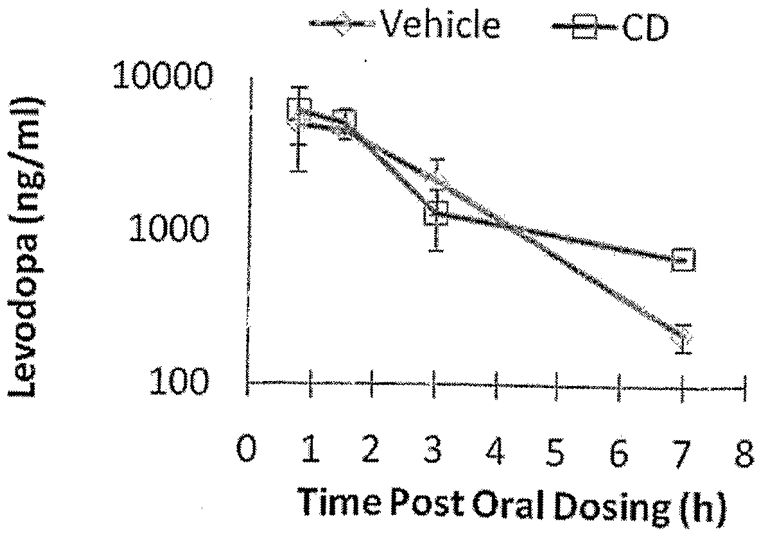


Fig. 5A

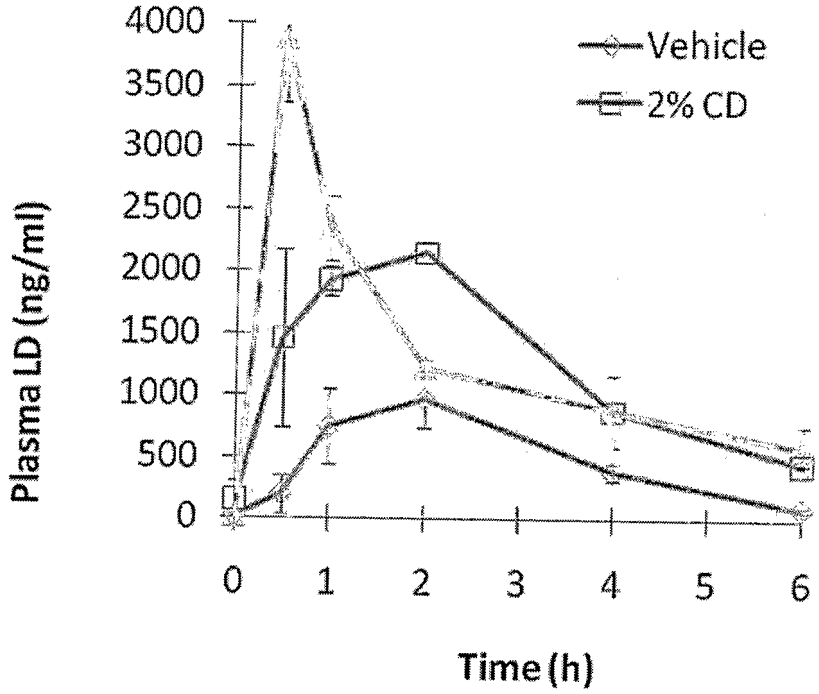

4000
3500
3000
2500
2000
1500
1000
500
0
Plasma LD (ng/ml)
Vehicle
2% CD
0
1
2
3
4
5
6
Time (h)

Fig. 5B

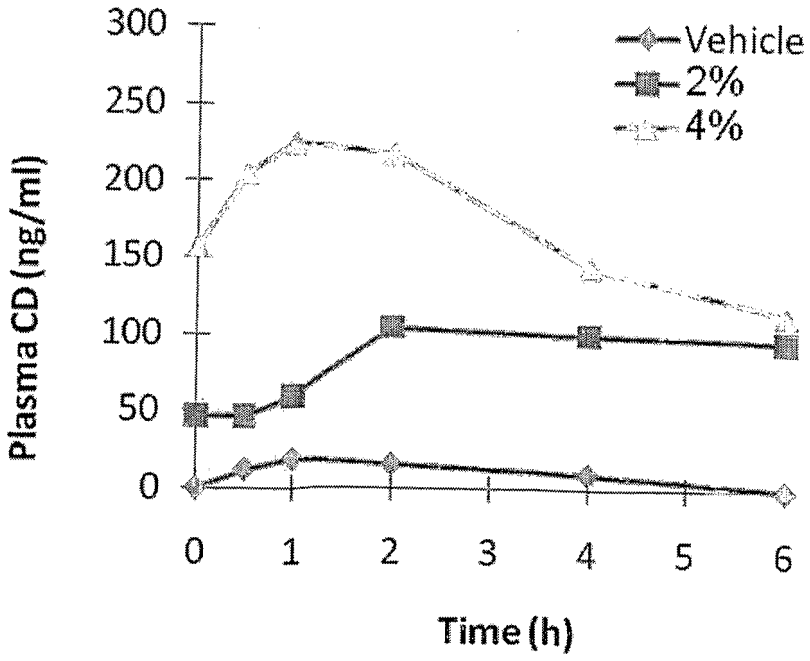

300
250
200
150
100
50
0
Plasma CD (ng/ml)
Vehicle
2%
4%
0
1
2
3
4
5
6
Time (h)

Fig. 6A

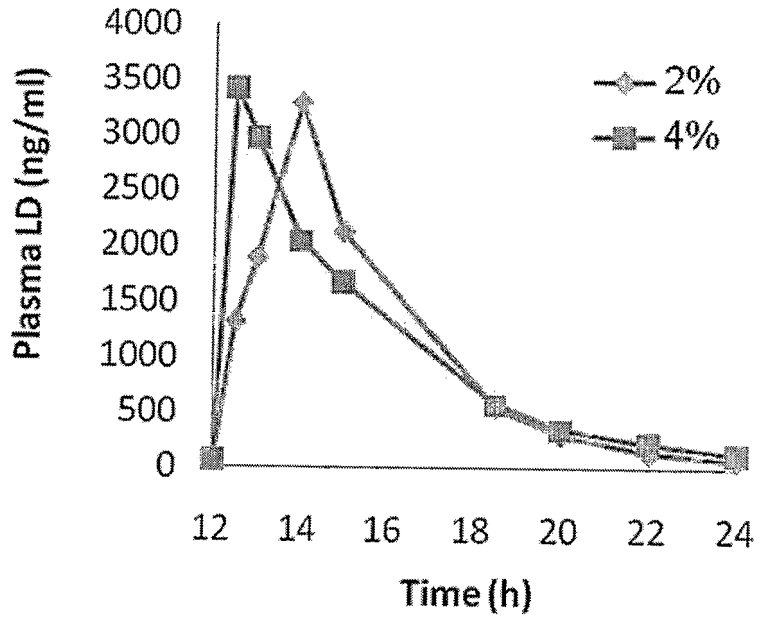

4000
3500
3000
2500
2000
1500
1000
500
0
Plasma LD (ng/ml)
2%
4%
12
14
16
18
20
22
24
Time (h)

Fig. 6B

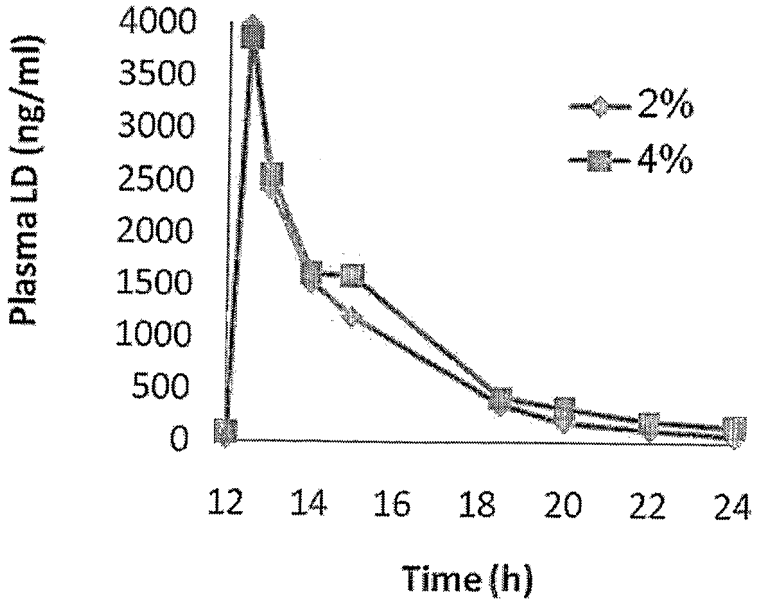

4000
3500
3000
2500
2000
1500
1000
500
0
Plasma LD (ng/ml)
2%
4%
12
14
16
18
20
22
24
Time (h)

Fig. 7

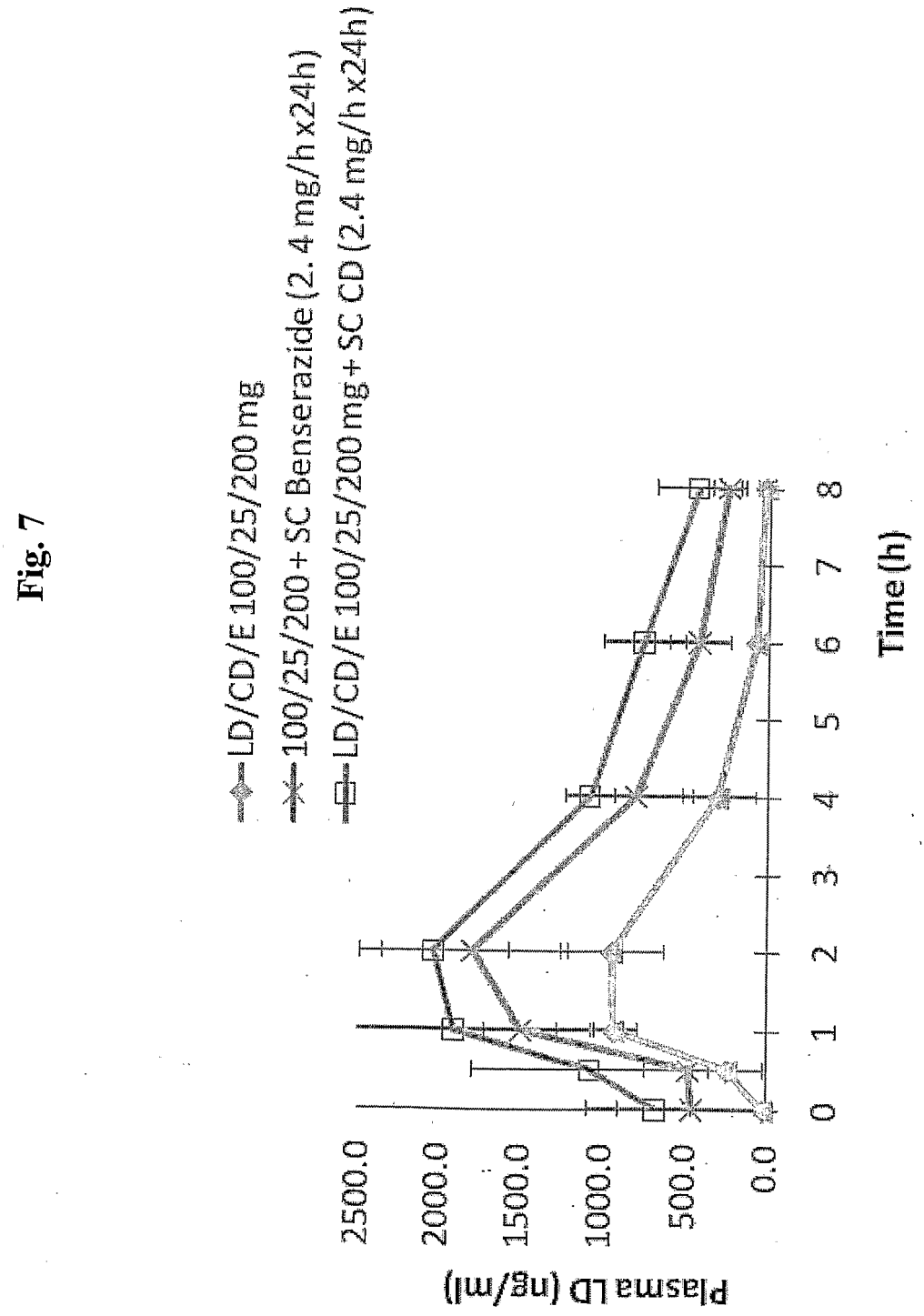

LD/CD/E 100/25/200 mg
100/25/200 + SC Benserazide (2. 4 mg/h x24h)
LD/CD/E 100/25/200 mg + SC CD (2.4 mg/h x24h)
Plasma LD (ng/ml)
2500.0
2000.0
1500.0
1000.0
500.0
0.0
0
1
2
3
4
5
6
7
8
Time (h)

Fig. 8A

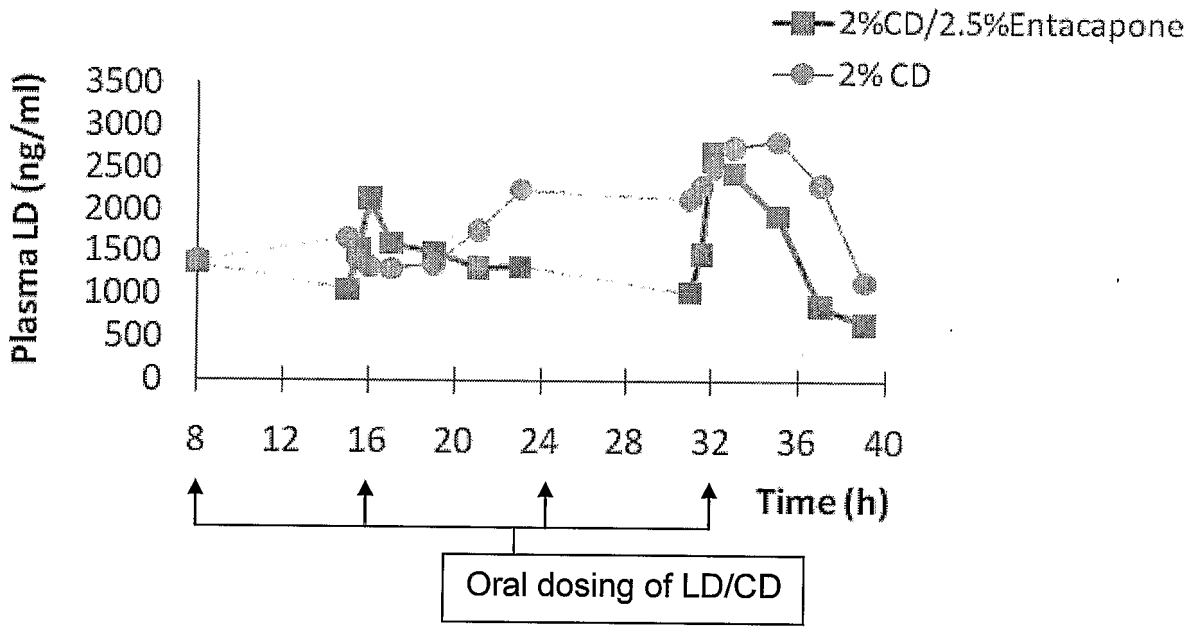

2%CD/2.5%Entacapone
2% CD
Plasma LD (ng/ml)
3500
3000
2500
2000
1500
1000
500
0
8
12
16
20
24
28
32
36
40
Time (h)
Oral dosing of LD/CD

Fig. 8B

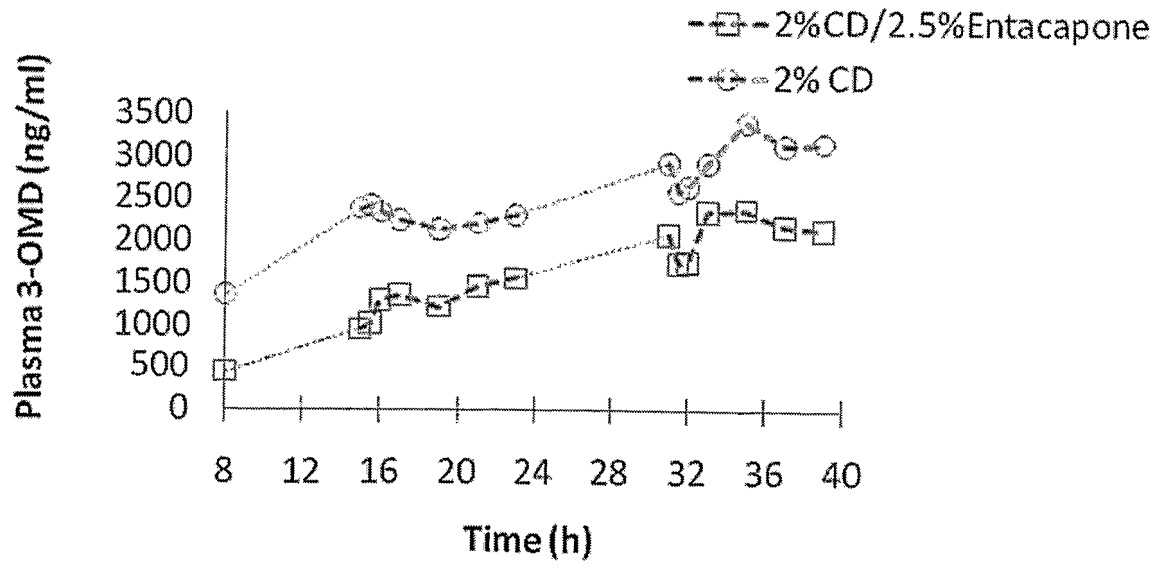

2%CD/2.5%Entacapone
2% CD
Plasma 3-OMD (ng/ml)
3500
3000
2500
2000
1500
1000
500
0
8
12
16
20
24
28
32
36
40
Time (h)

Fig. 9

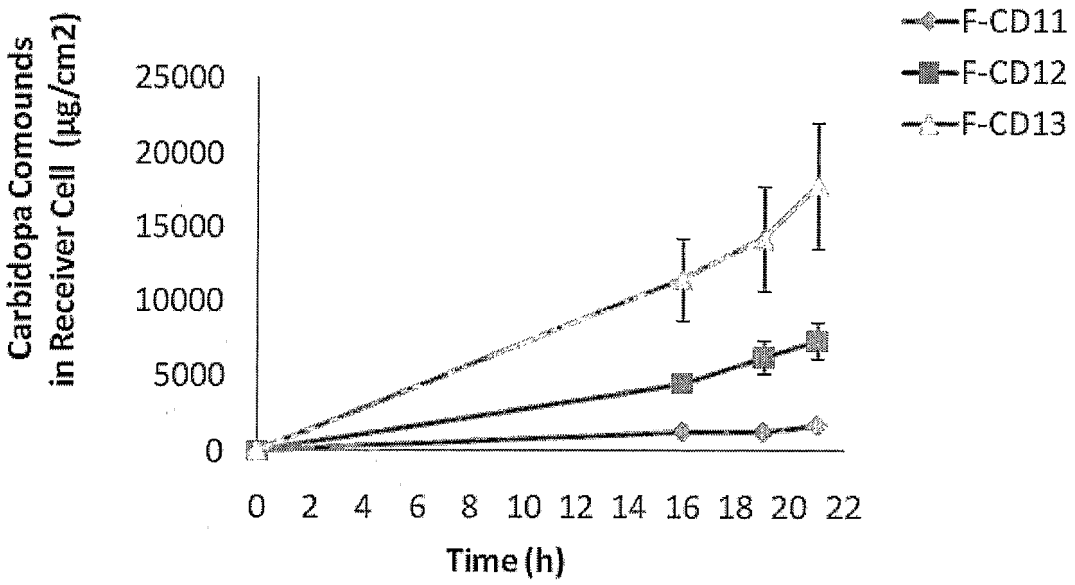

Carbidopa Comounds in Receiver Cell (µg/cm2)
25000
20000
15000
10000
5000
0
0 2 4 6 8 10 12 14 16 18 20 22
Time (h)
F-CD11
F-CD12
F-CD13

Fig. 10A

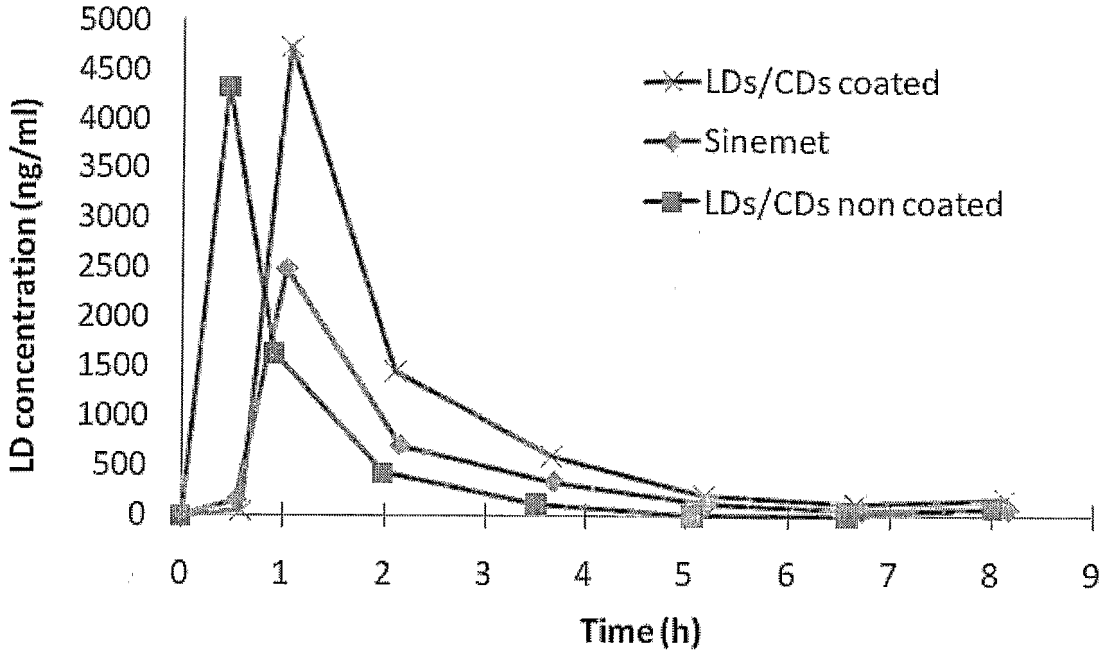


Fig. 10B

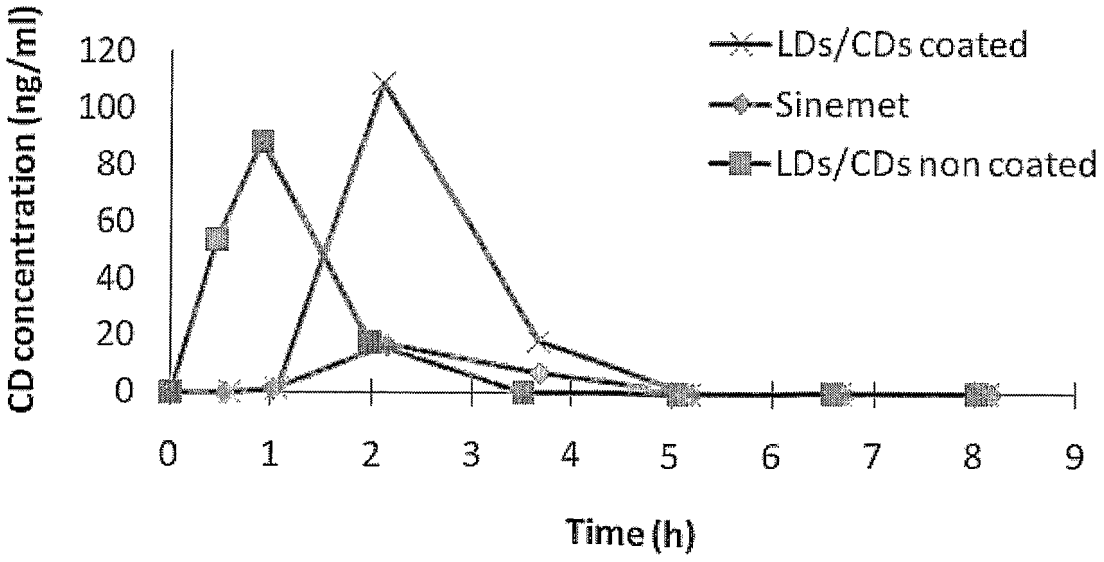


Fig. 11

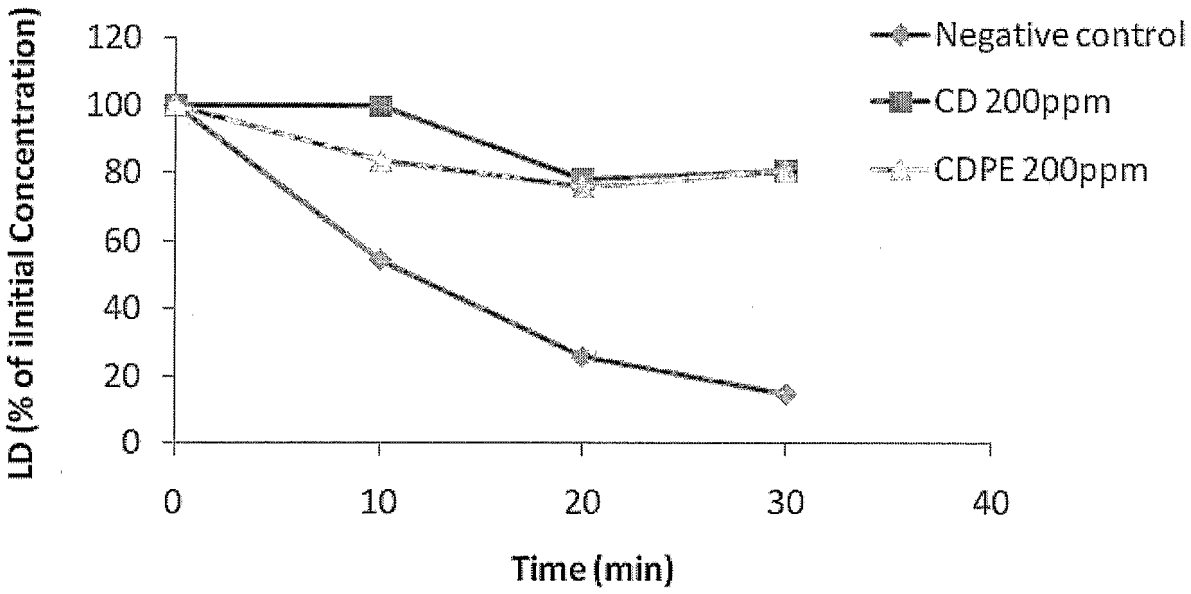

LD (% of ilnitial Concentration)
120
100
80
60
40
20
0
0
10
20
30
40
Time (min)
Negative control
CD 200ppm
CDPE 200ppm

Fig. 12A

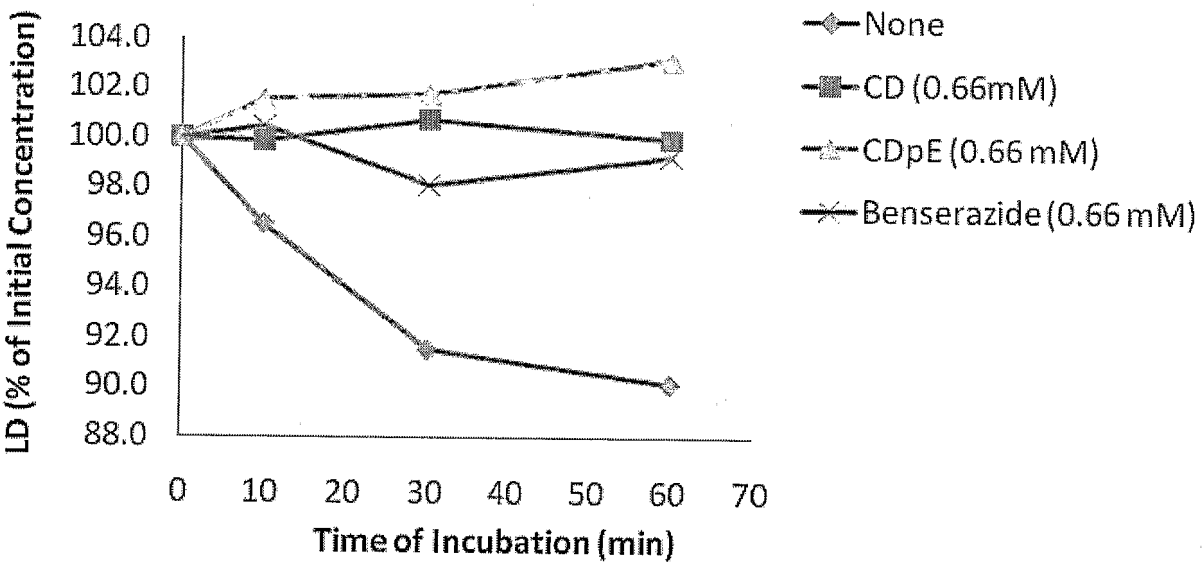


Fig. 12B

