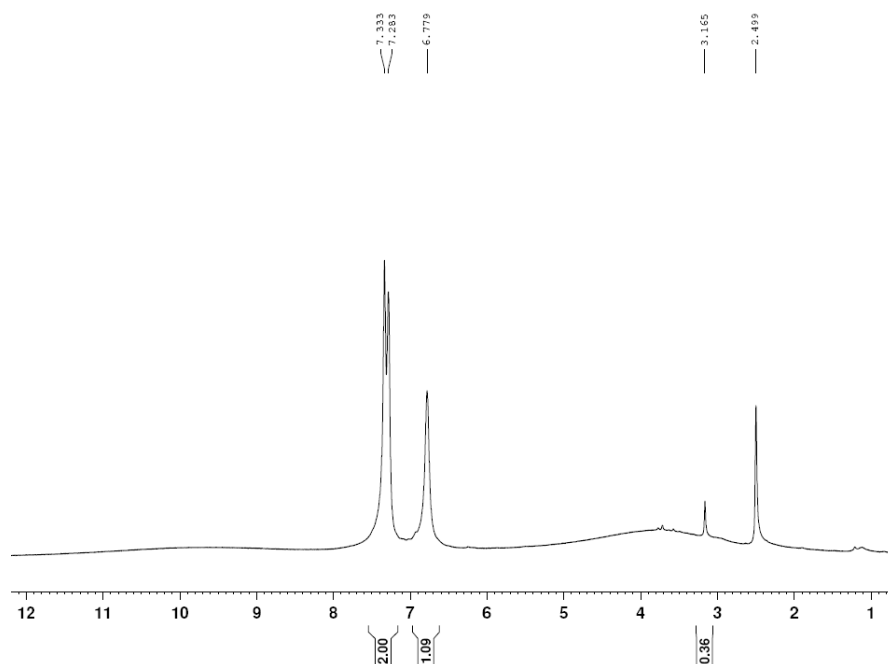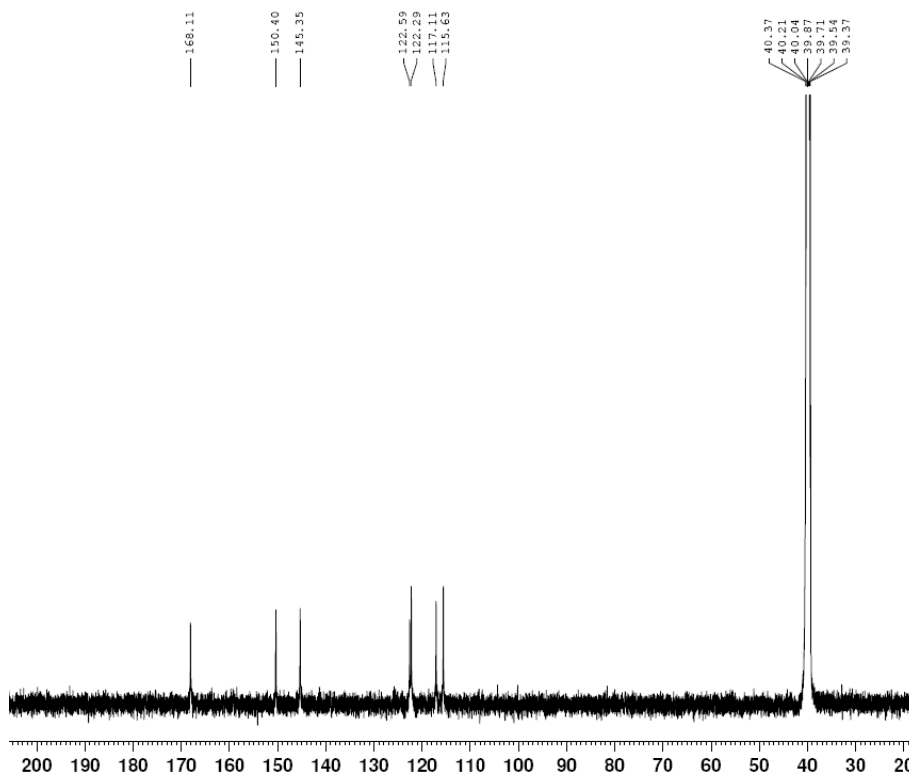# Supporting Information

1. **The ^{1}H- NMR, ^{13}C- NMR, DEPT, MS and MS/MS spectral data of the isolated ingredients (1-4, 6-15 and 17) from *Sarcnadra glabra***

1.1 Spectral data of Protocatechuic acid (**1**)

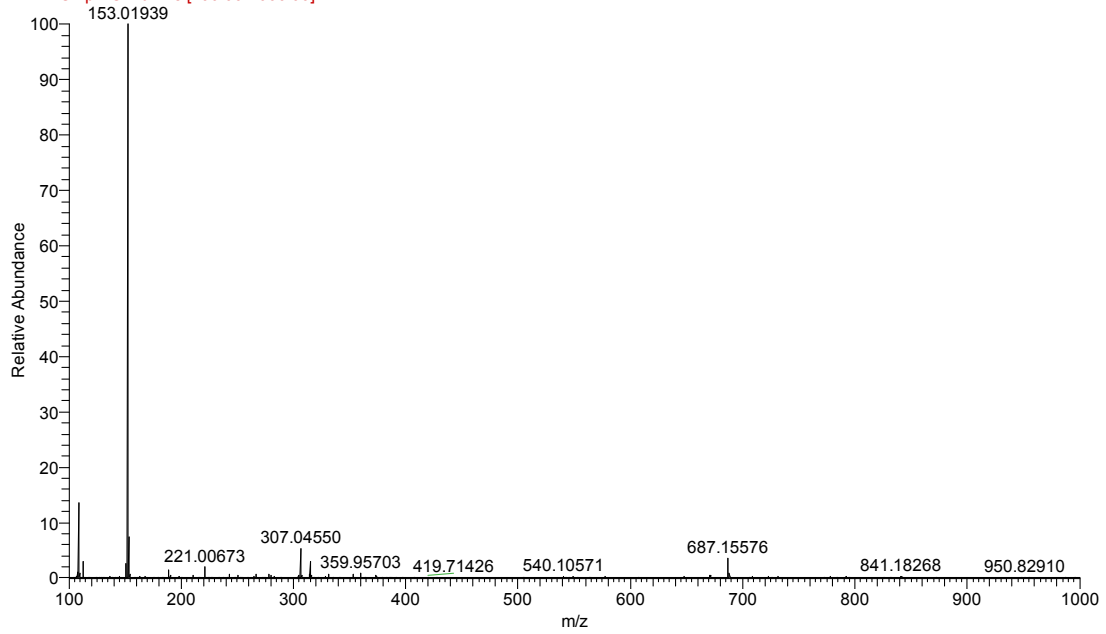^{1}H-NMR (500MHz, DMSO-d_6) data of Protocatechuic acid (**1**)

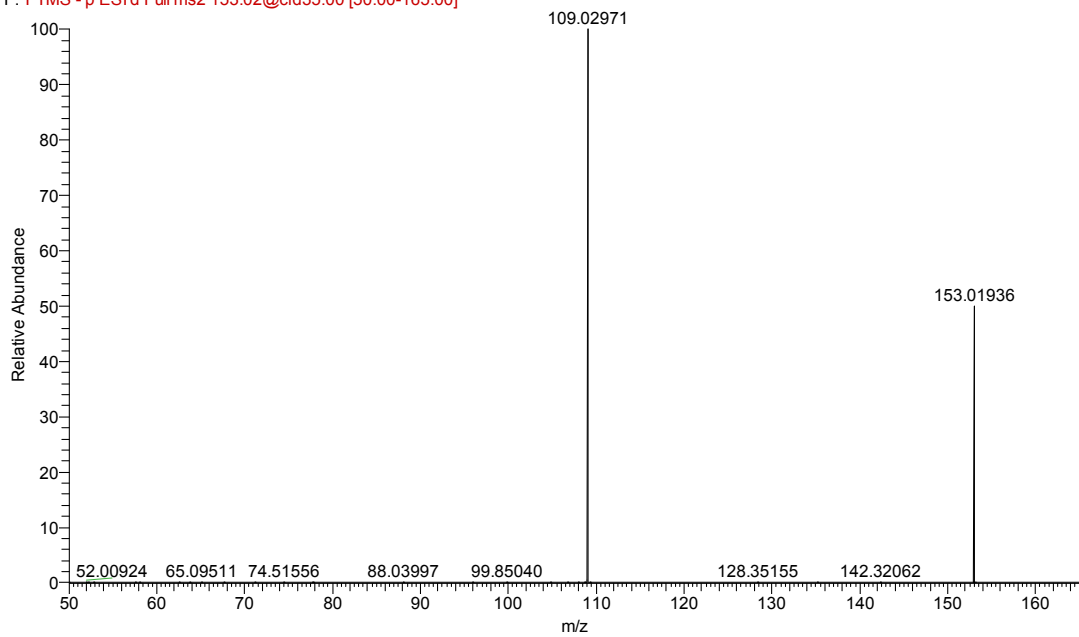^{13}C-NMR (125MHz, DMSO-d_6) data of Protocatechuic acid (**1**)

HR-ESI-MS spectrum of Protocatechuic acid (**1**)

153.01939

100

90

80

70

Relative Abundance
60

50

40

30

20

10
307.04550
221.00673   359.95703   419.71426   540.10571   687.15576   841.18268   950.82910
0
100   200   300   400   500   600   700   800   900   1000
m/z

HR-ESI-MS/MS spectrum of Protocatechuic acid (**1**)

109.02971

100

90

80

70

Relative Abundance
60

50
153.01936

40

30

20

10
52.00924 65.09511 74.51556   88.03997   99.85040   128.35155   142.32062
0
50   60   70   80   90   100   110   120   130   140   150   160
m/z

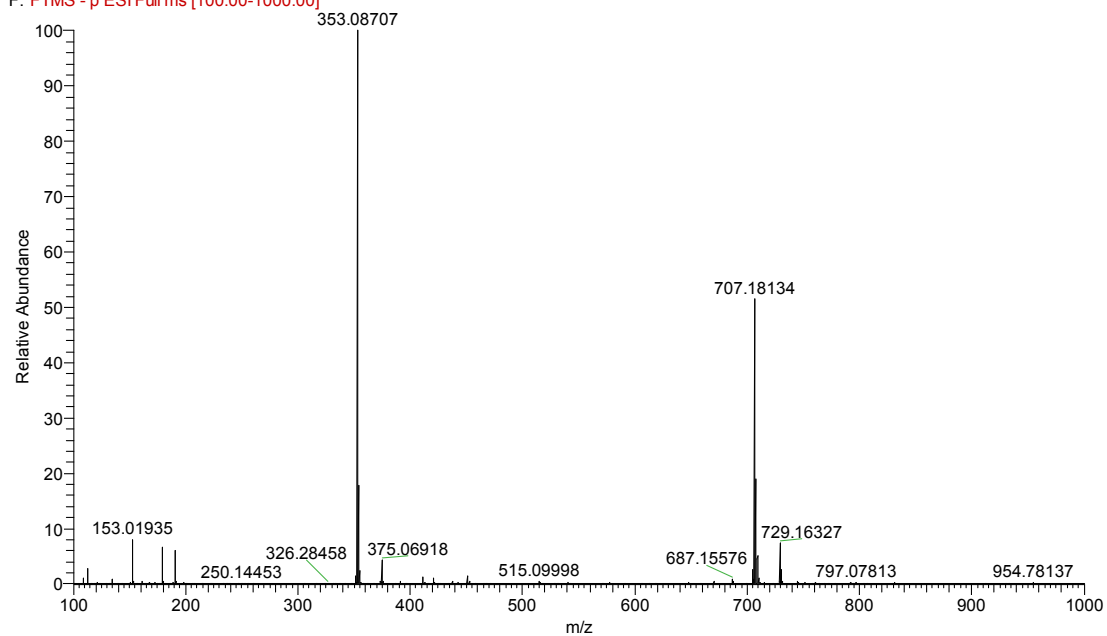## 1.2 Spectral data of neochlorogenic acid (2)

^{1}H-NMR (500MHz, DMSO-d_6) data of neochlorogenic acid (2)
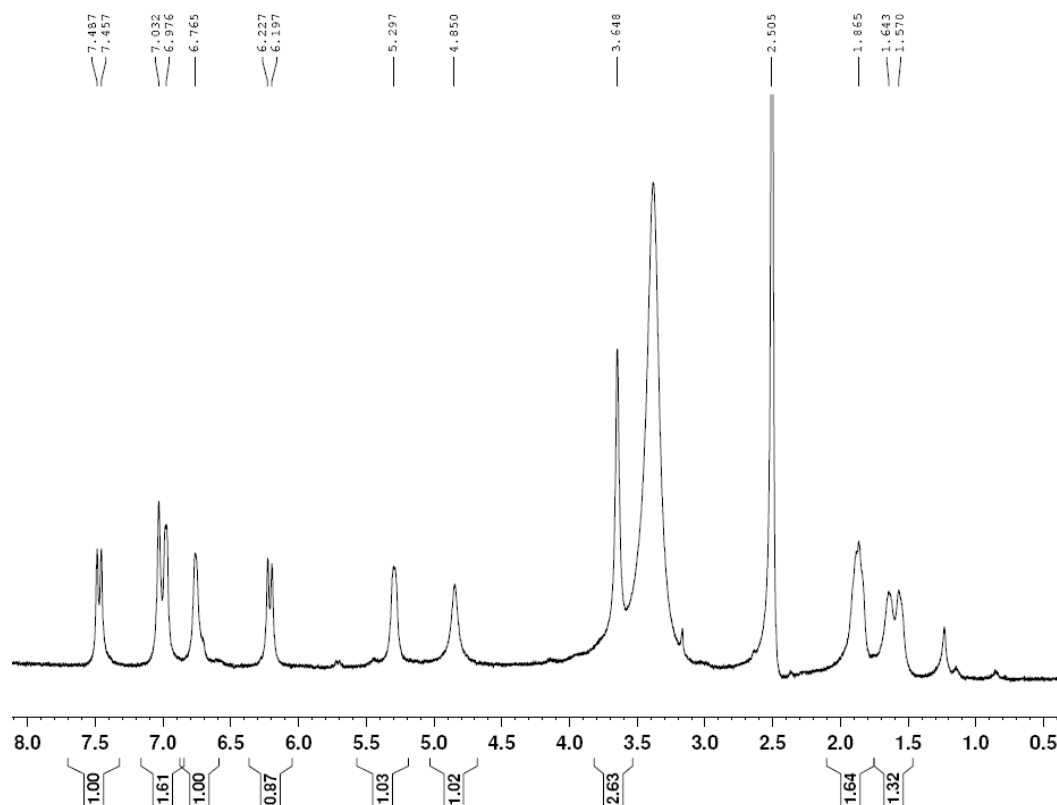
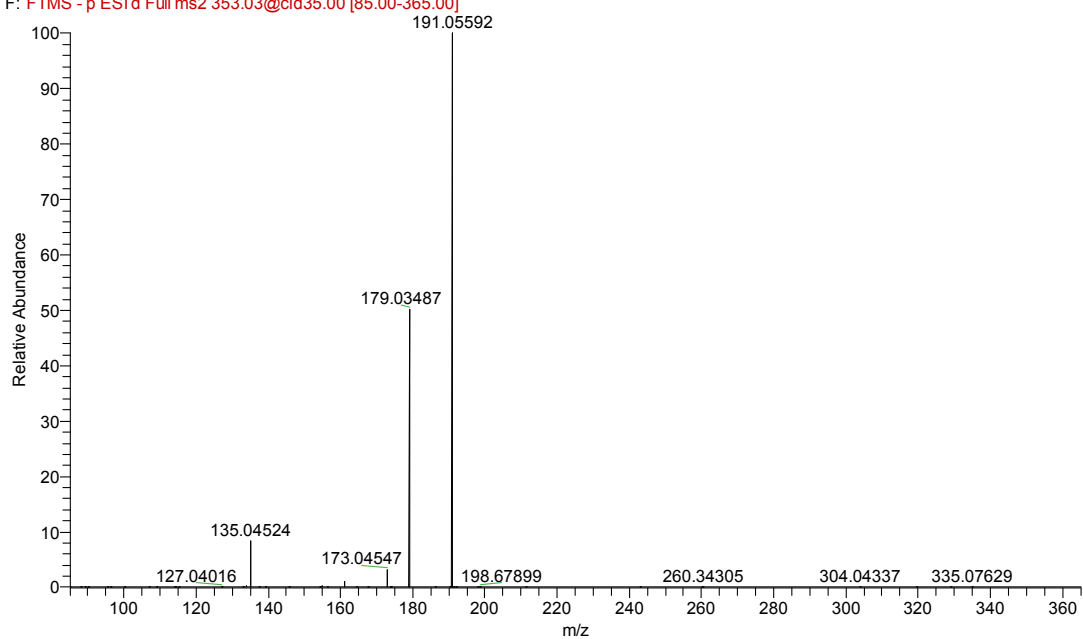### HR-ESI-MS spectrum of neochlorogenic acid (2)

F: FTMS - p ESI Full ms [100.00-1000.00]

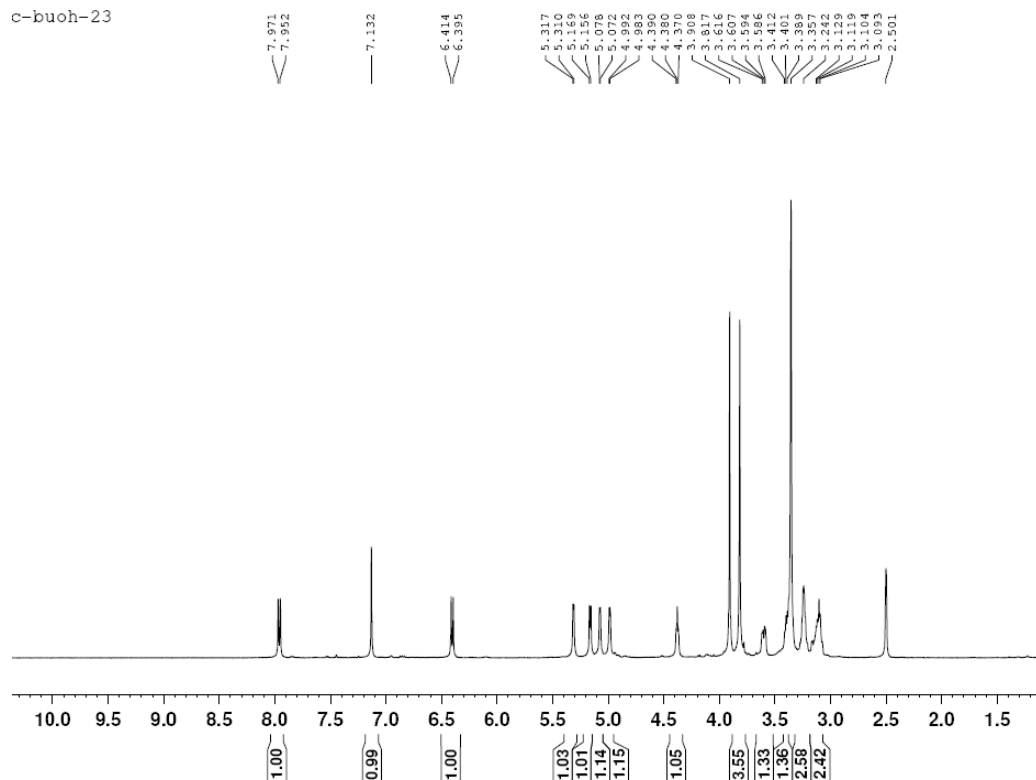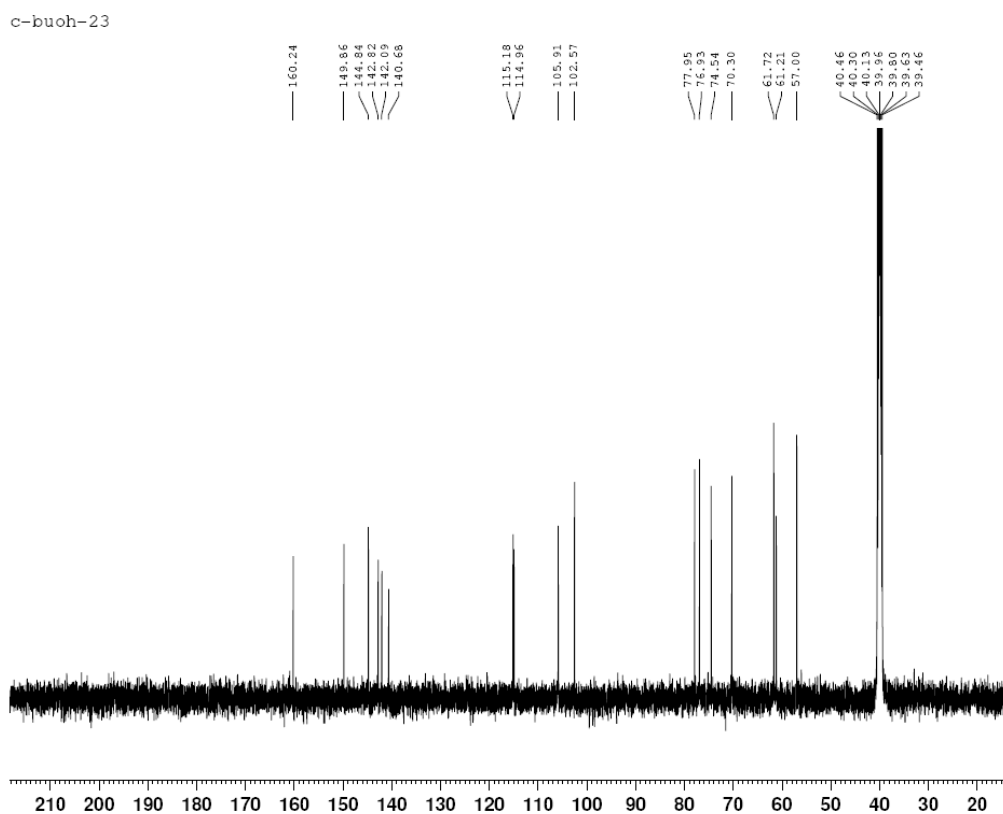## HR-ESI-MS/MS spectrum of neochlorogenic acid (2)

1.3 Spectral data of eleutheroside B₁ (3)

¹H-NMR (500MHz, DMSO-d_6) data of eleutheroside B₁ (3)

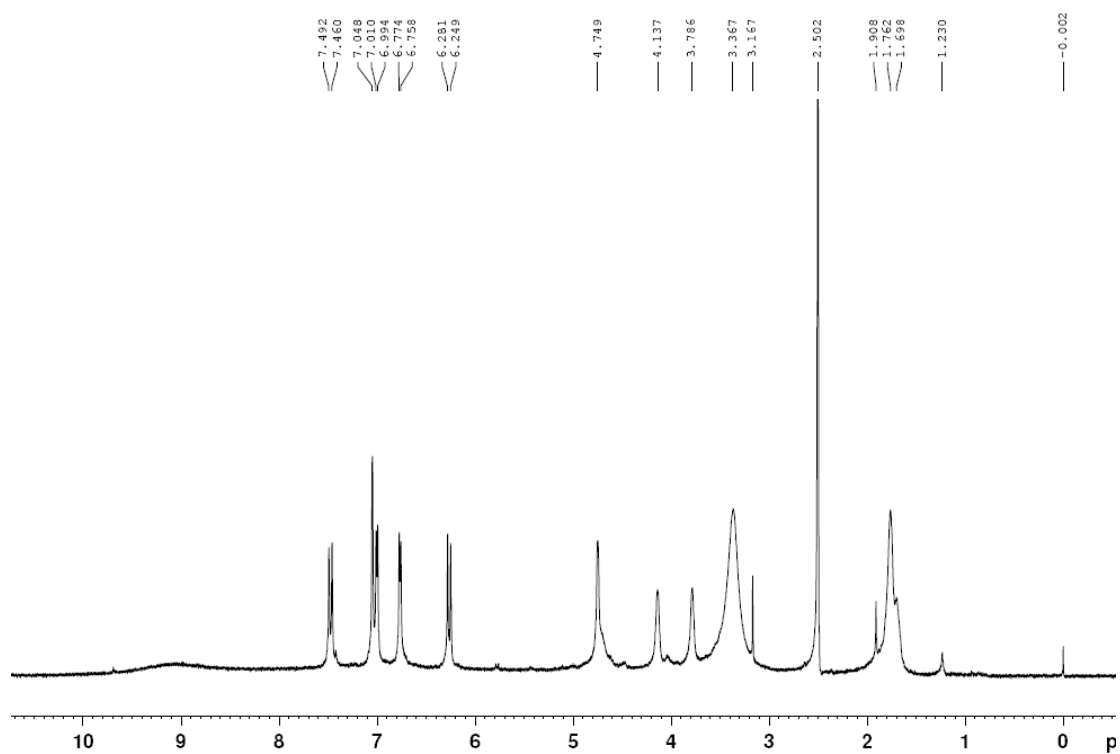## ^{13}C-NMR (125MHz, DMSO-d_6) data of eleuthe roside B$_1$ (**3**)

c-buoh-23

160.24
149.86
144.84
142.82
142.09
140.68
115.18
114.96
105.91
102.57
77.95
76.93
74.54
70.30
61.72
61.21
57.00
40.46
40.30
40.13
39.96
39.80
39.63
39.46

HR-ESI-MS spectrum of eleuthe roside B$_1$ (**3**)

F: FTMS - p ESI Full ms [100.00-1000.00]

429.10327

221.04541

177.01933
283.78601
383.09796
353.08743
473.12958
605.15063
701.17224
777.75311
813.20850
865.18036
954.81165

Relative Abundance

m/z
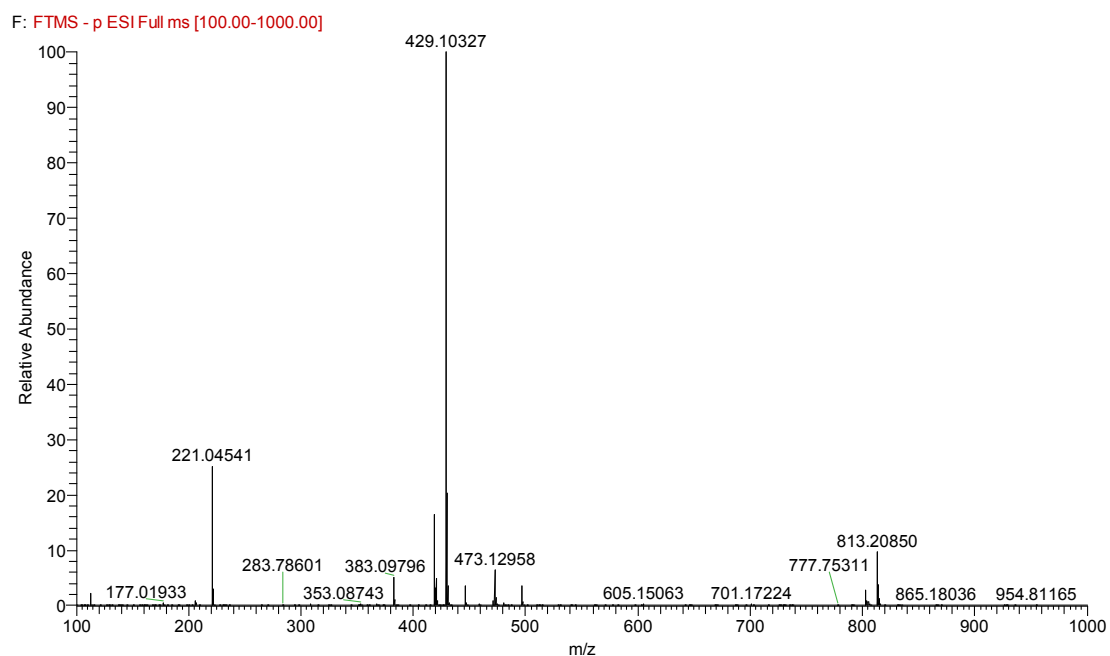
HR-ESI-MS/MS spectrum of eleuthe roside B_1 (**3**)

F: FTMS - p ESI d Full ms2 429.10@cid35.00 [105.00-440.00]

221.04532

206.02194

383.09781

136.88379 163.00276 190.99831 236.43164 293.21124 328.93405 373.54510 397.75958

m/z
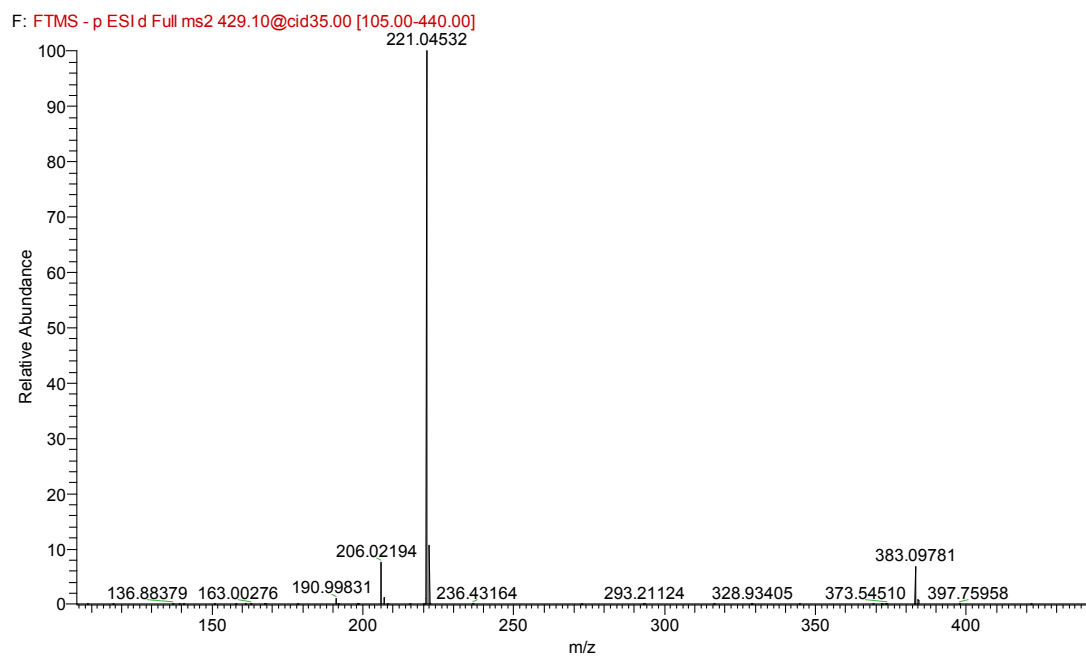
1.4 Spectral data of chlorogenic acid (**4**)

^{1}H-NMR (500MHz, DMSO-d_6) data of chlorogenic acid (**4**)

7.452
7.421
7.054
6.988
6.973
6.770
6.756
6.217
6.186
5.127
3.920
3.502
3.167
2.502
1.998
1.975
1.905
1.870
1.712
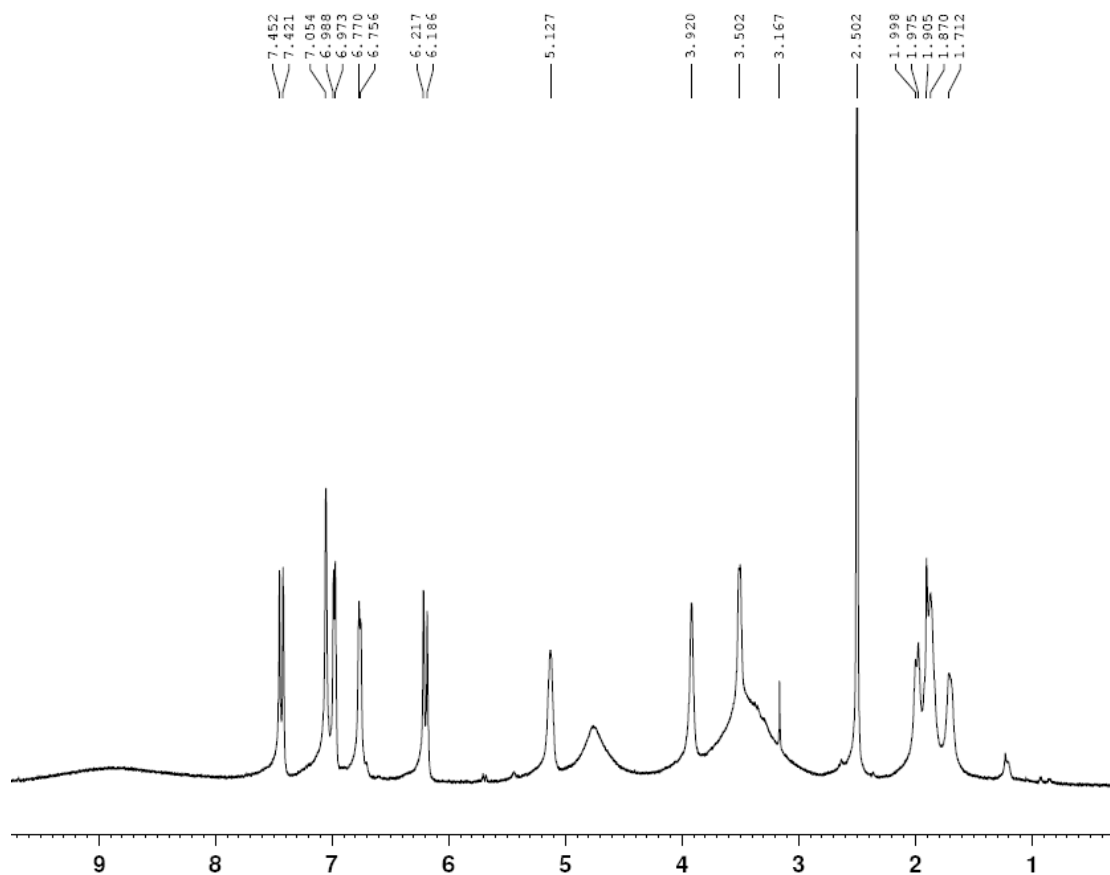
HR-ESI-MS spectrum of chlorogenic acid (**4**)

F: FTMS - p ESI Full ms [100.00-1000.00]
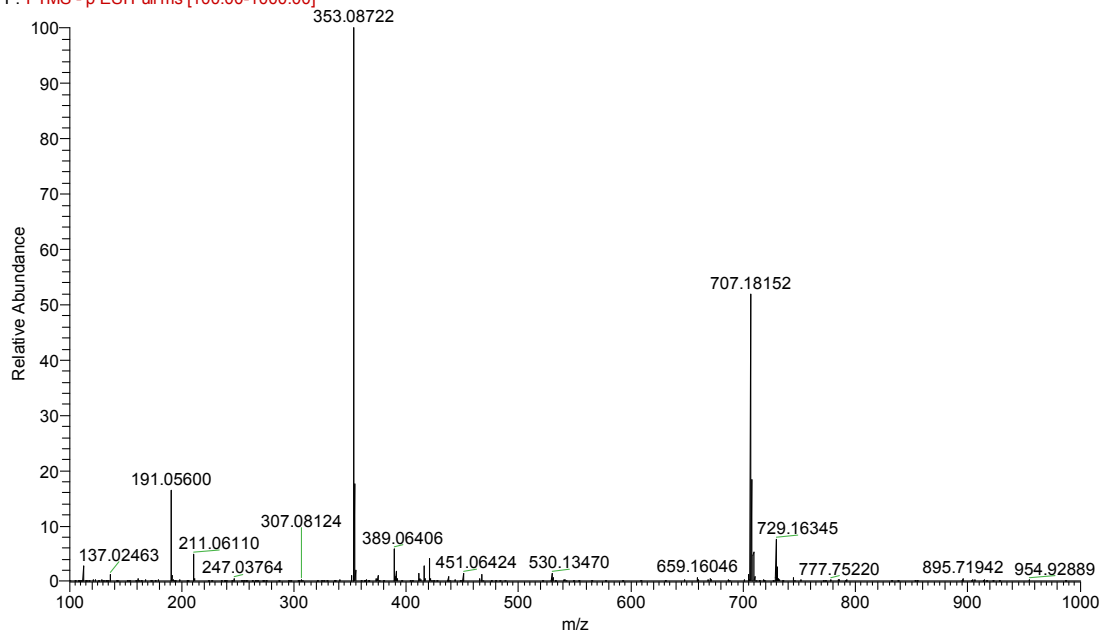
HR-ESI-MS/MS spectrum of chlorogenic acid (**4**)

F: FTMS - p ESI d Full ms2 353.03@cid35.00 [85.00-365.00]
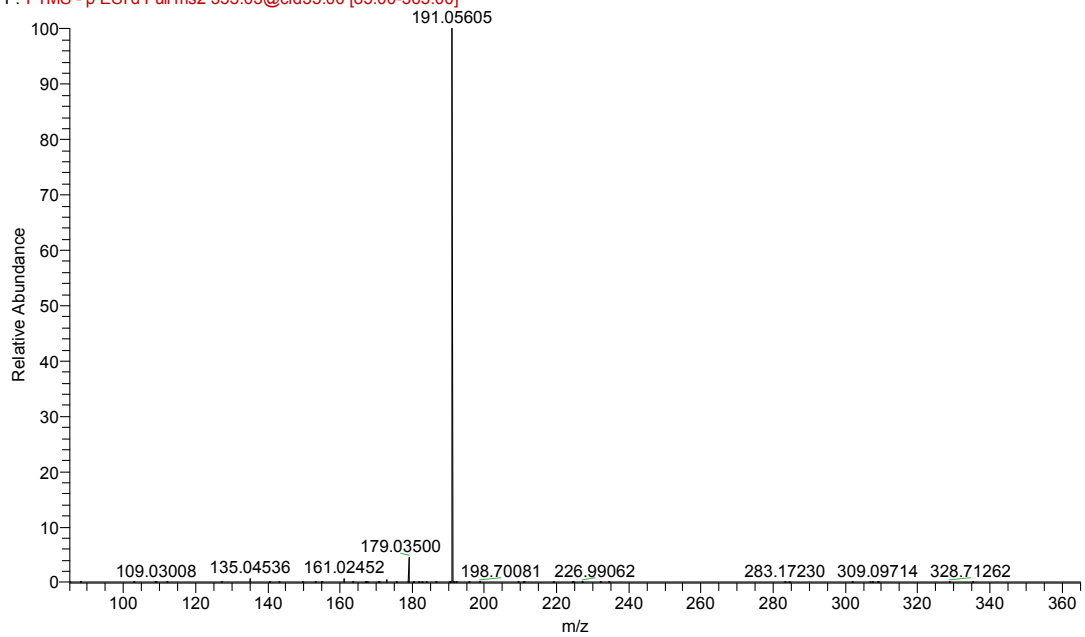
1.5 Spectral data of cryptochlorogenic acid (6)

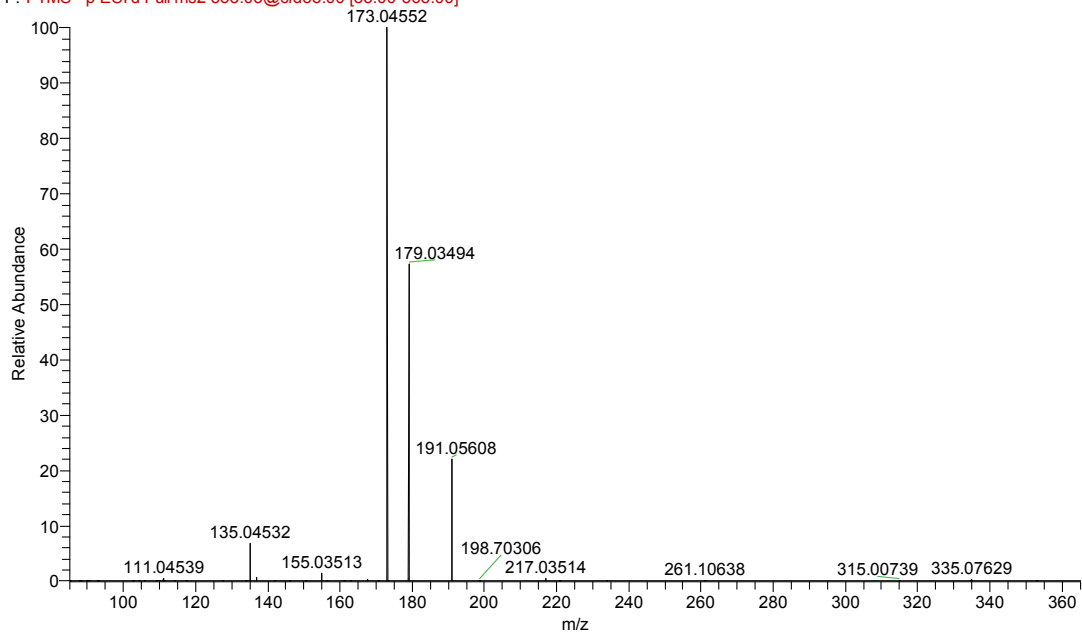### ^{1}H-NMR (500MHz, DMSO-d_6) data of cryptochlorogenic acid (6)

7.492 7.460 7.048 7.010 6.994 6.774 6.758 6.281 6.249 4.749 4.137 3.786 3.367 3.167 2.502 1.908 1.762 1.698 1.230 -0.002
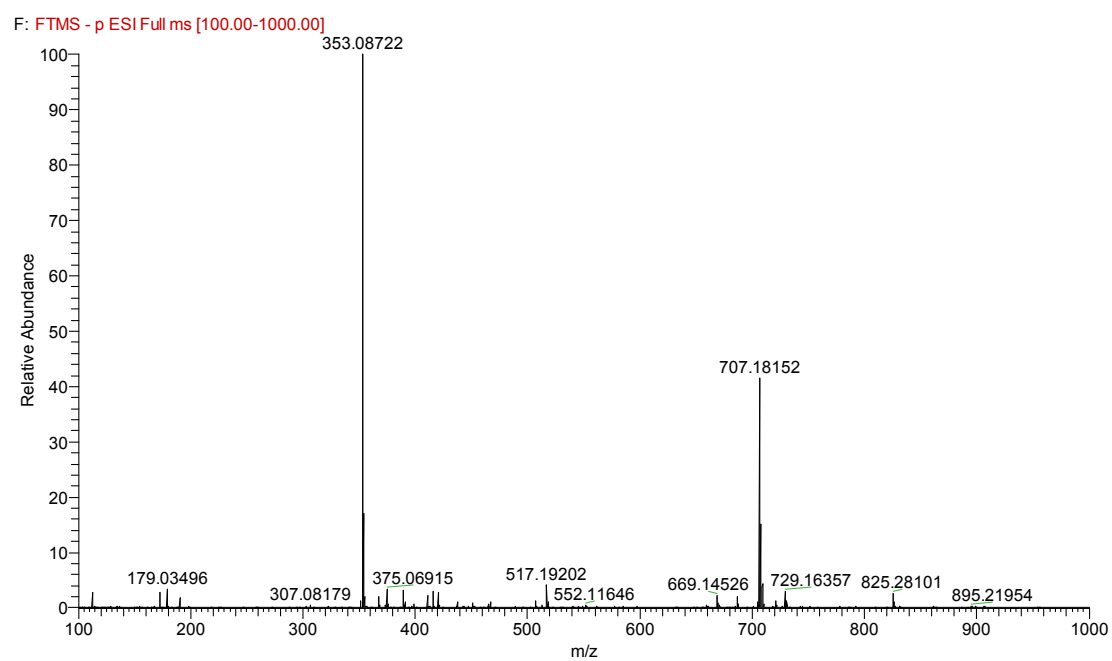
HR-ESI-MS spectrum of cryptochlorogenic acid (6)

F: FTMS - p ESI Full ms [100.00-1000.00]

353.08722
707.18152
179.03496
307.08179
375.06915
517.19202
552.11646
669.14526
729.16357
825.28101
895.21954

HR-ESI-MS/MS spectrum of cryptochlorogenic acid (6)

1.6 Spectral data of caffeic acid (**7**)

^{1}H-NMR (500MHz, DMSO-d_6) data of caffeic acid (**7**)
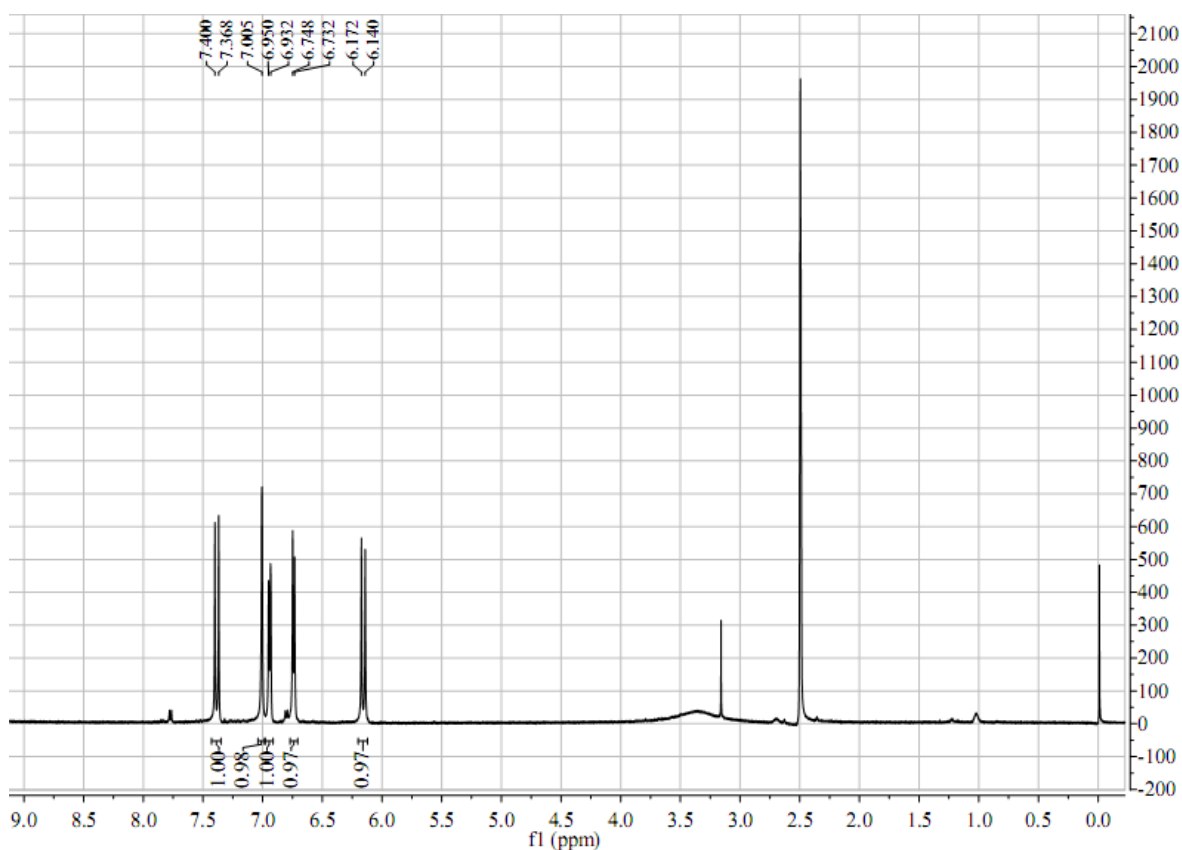
HR-ESI-MS spectrum of caffeic acid (7)
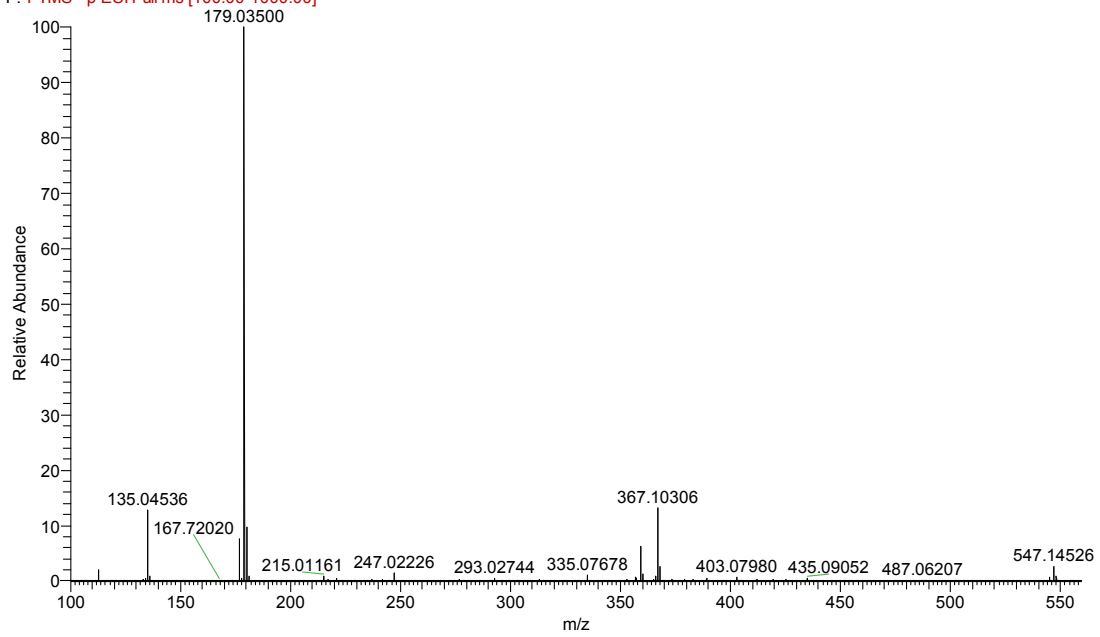
HR-ESI-MS/MS spectrum of caffeic acid (7)
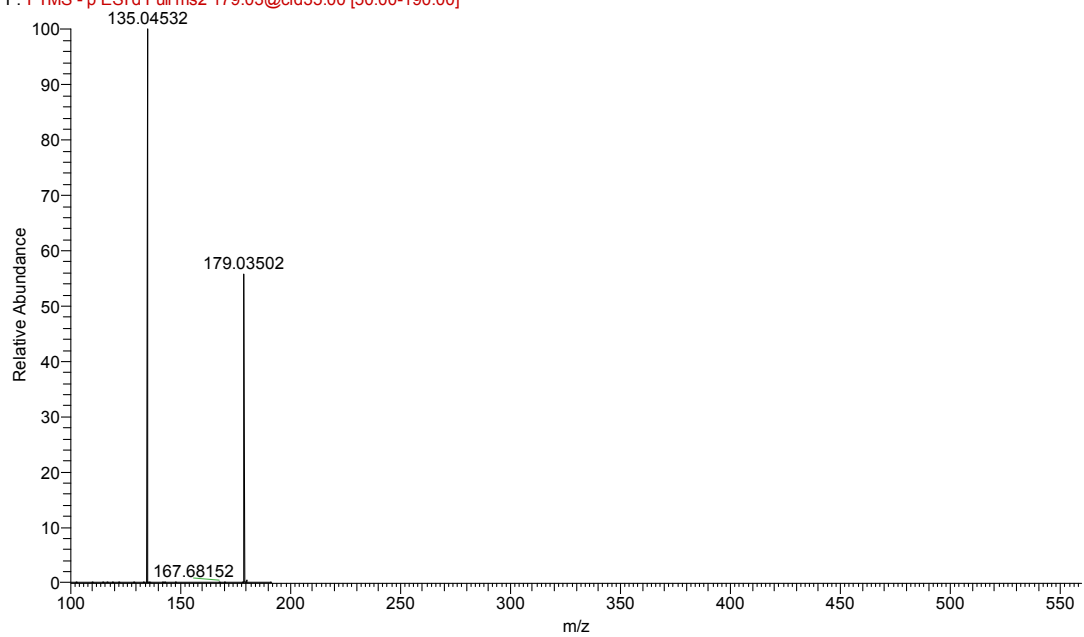
1.7 Spectral data of isofraxidin (**8**)

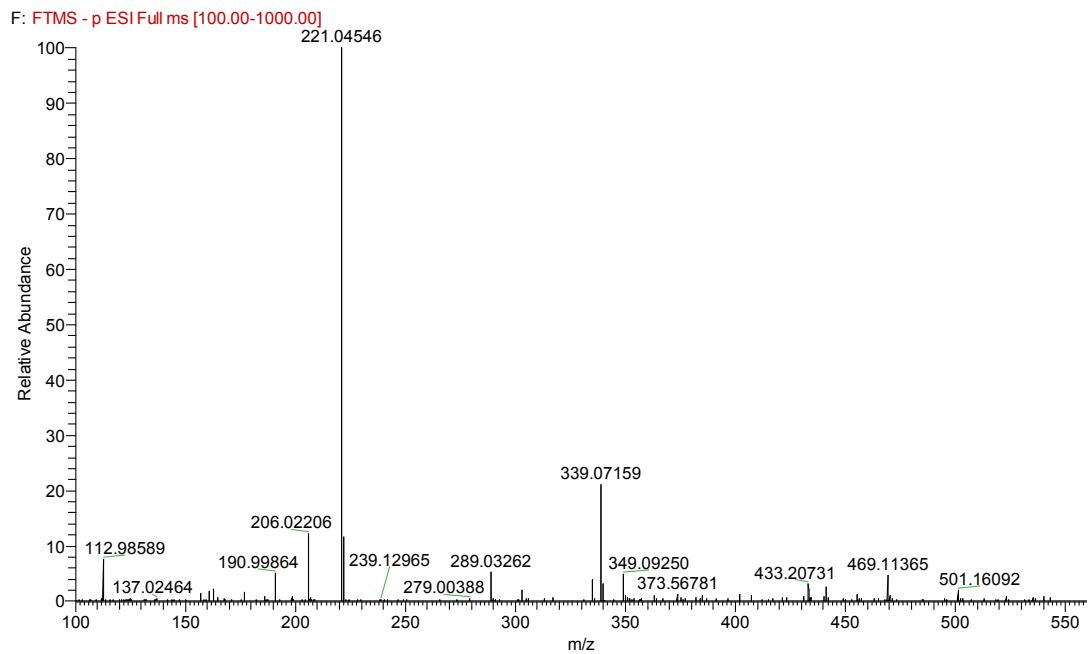### ^{1}H-NMR (500MHz, DMSO-d_6) data of isofraxidin (**8**)
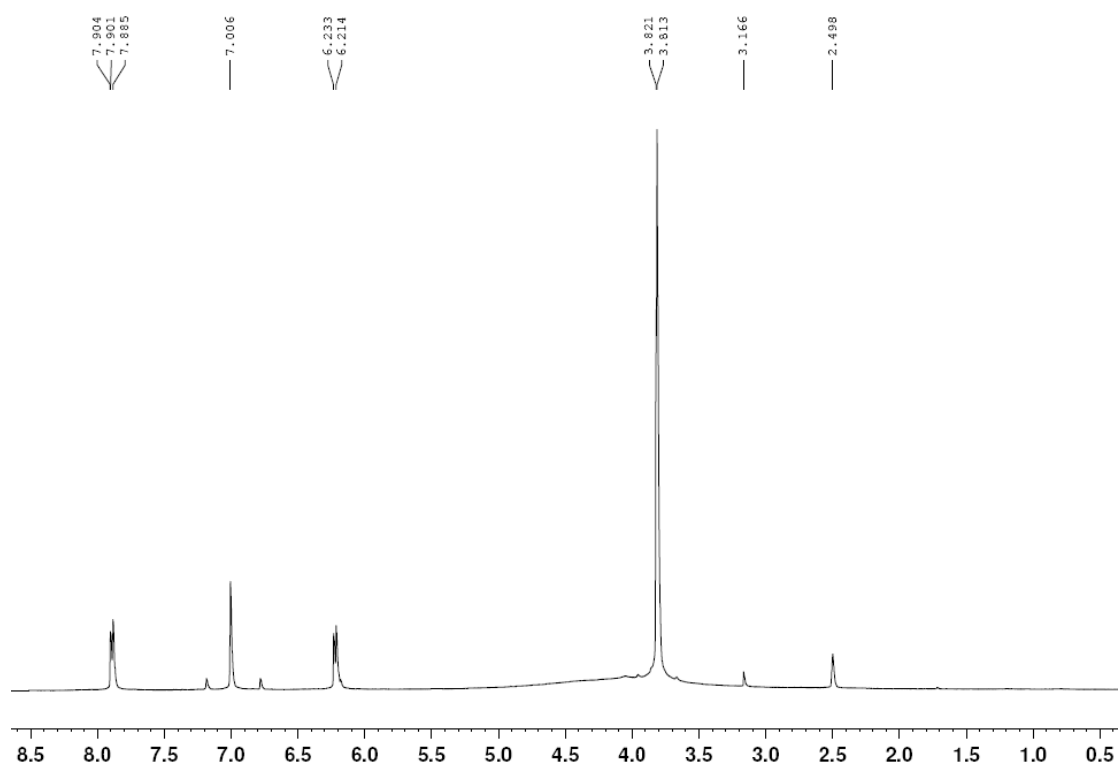
^{13}C-NMR (125MHz, DMSO-d_6) data of isofraxidin (**8**)
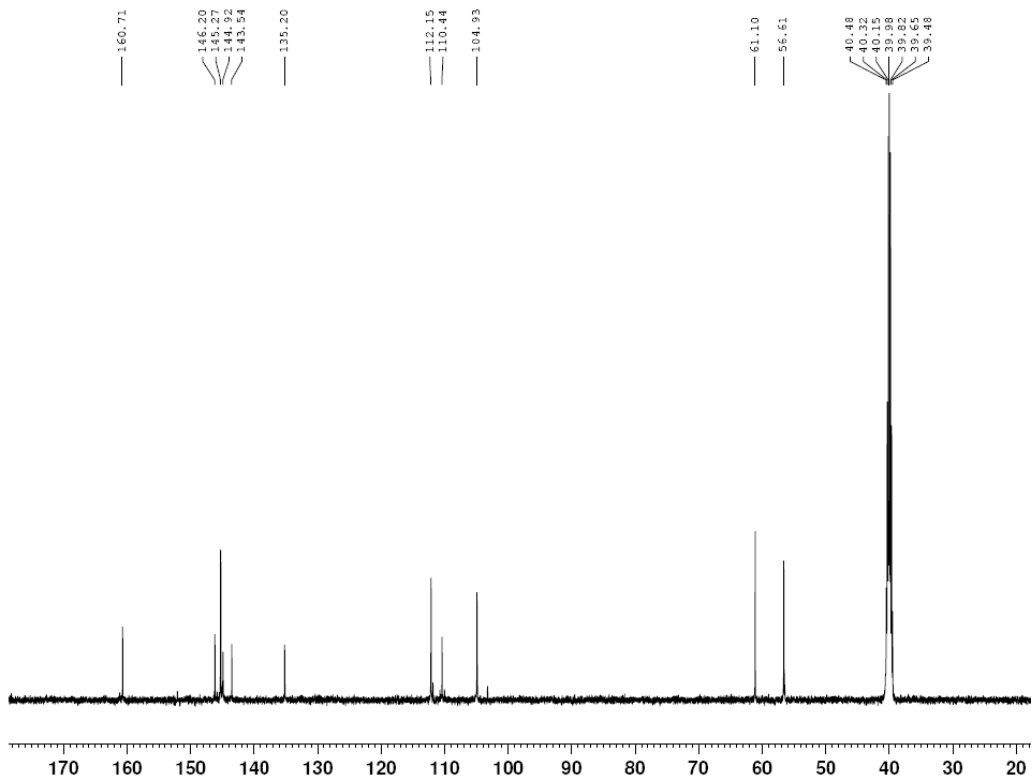
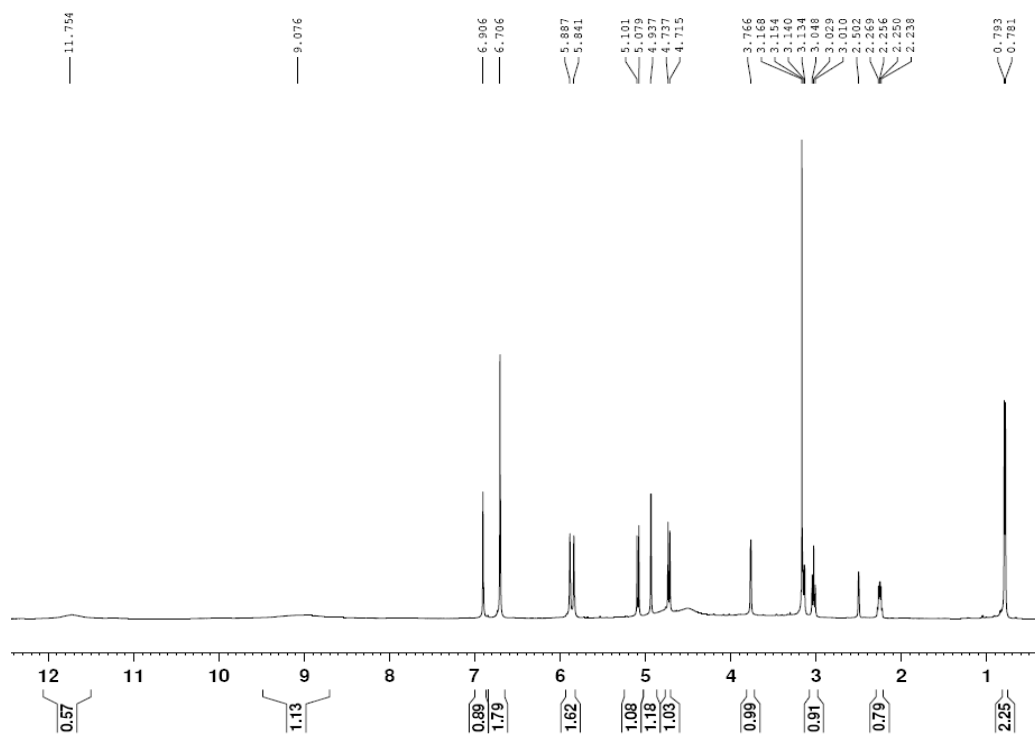HR-ESI-MS spectrum of isofraxidin (**8**)

HR-ESI-MS/MS spectrum of isofraxidin (**8**)

206.02185

190.99832

162.03227

m/z
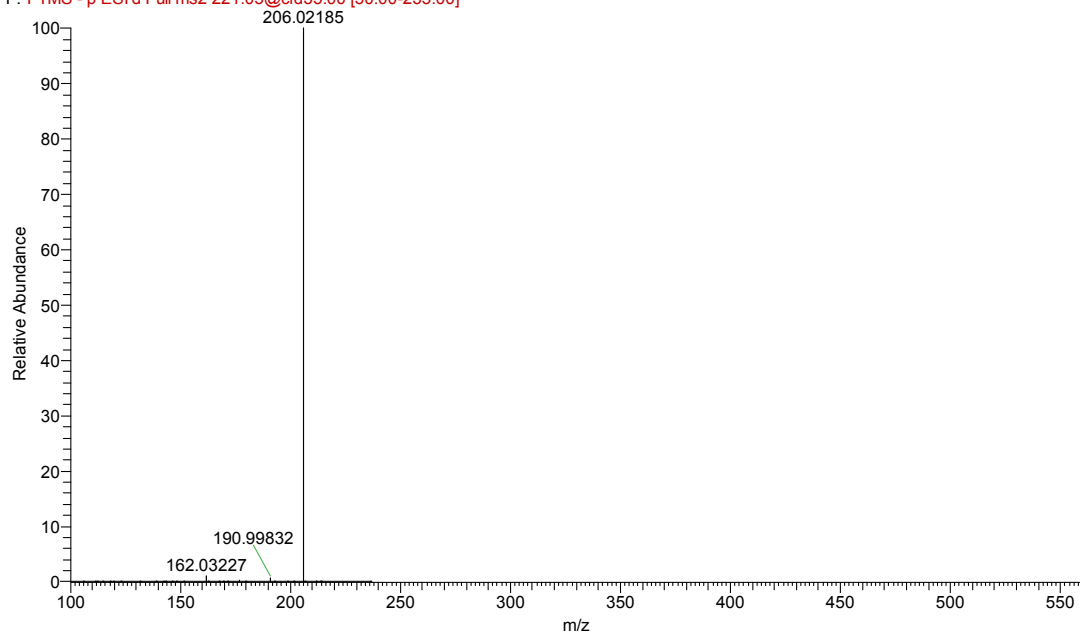
1.8 Spectral data of neoastilbin (9)

^{1}H-NMR (500MHz, DMSO-d_6) data of neoastilbin (9)

^{13}C-NMR (125MHz, DMSO-d_6) data of neoastilbin (9)
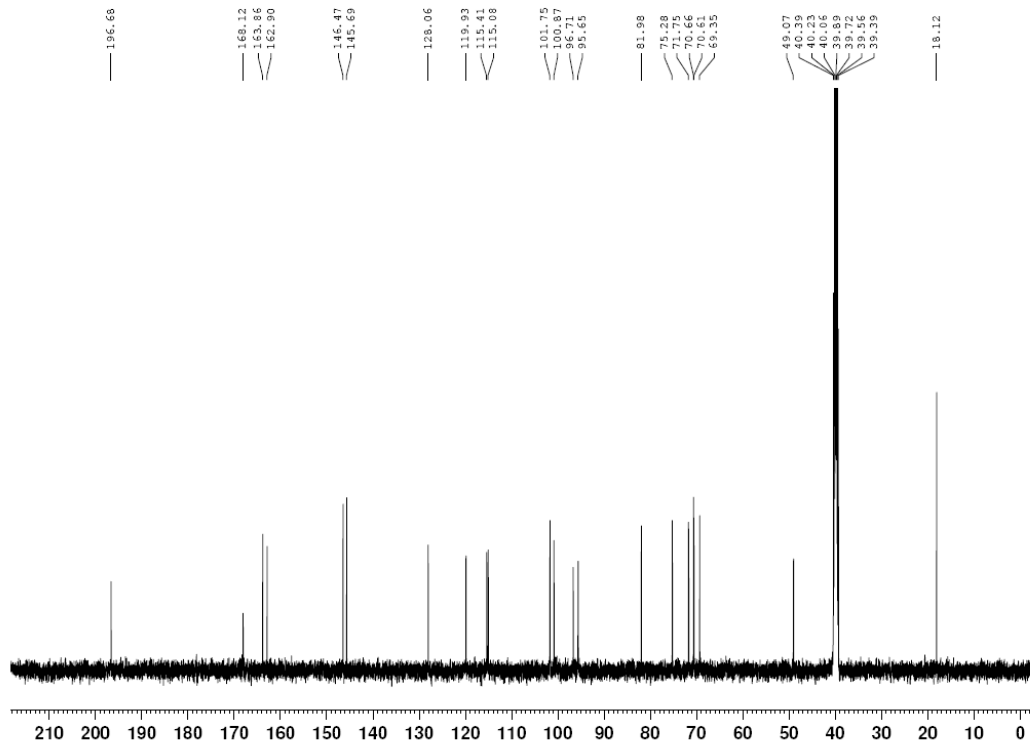
HR-ESI-MS spectrum of neoastilbin (**9**)
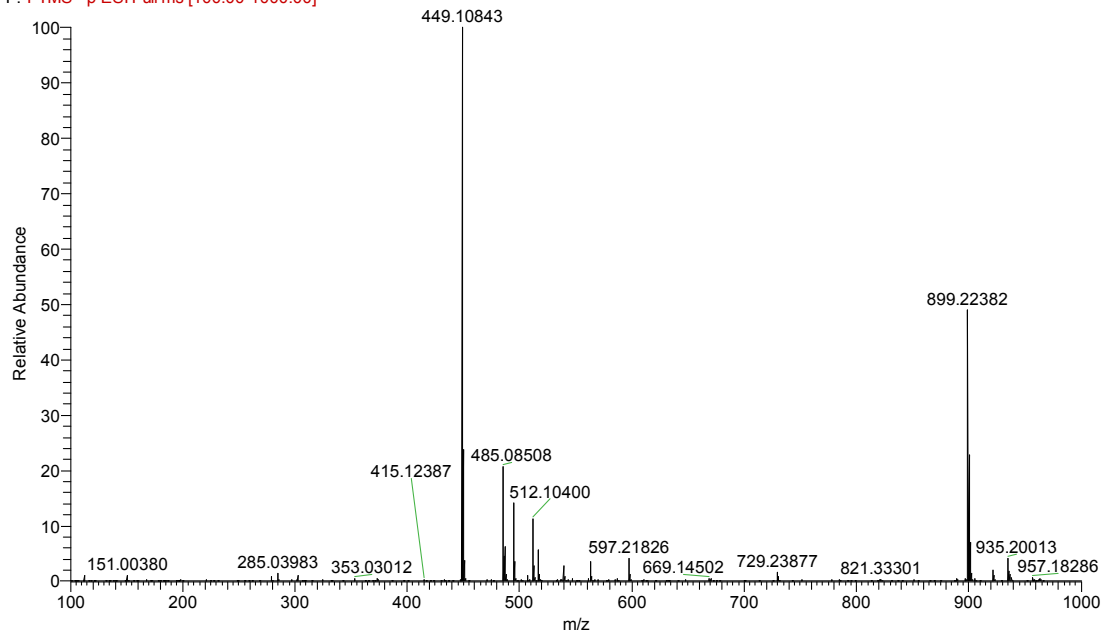
HR-ESI-MS/MS spectrum of neoastilbin (**9**)
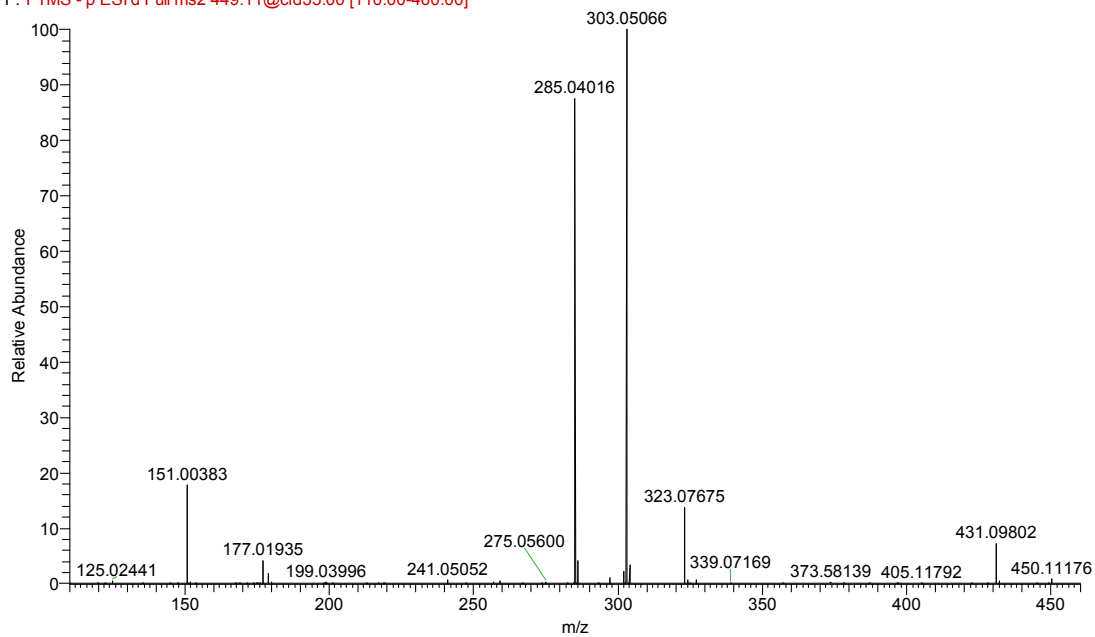
1.9 Spectral data of astilbin (**10**)

^{1}H-NMR (500MHz, DMSO-d_6) data of astilbin (**10**)

c-buoh-2-3

^{13}C-NMR (125MHz, DMSO-d_6) data of astilbin (**10**)

c-buoh-2-3

195.61
168.68 164.71 163.43
147.17 146.44
128.26
120.17 116.63 116.02
102.16 101.31 97.39 96.42
82.77 76.92 72.94 71.71 71.40 70.24
49.86
40.94 40.77 40.60
19.02
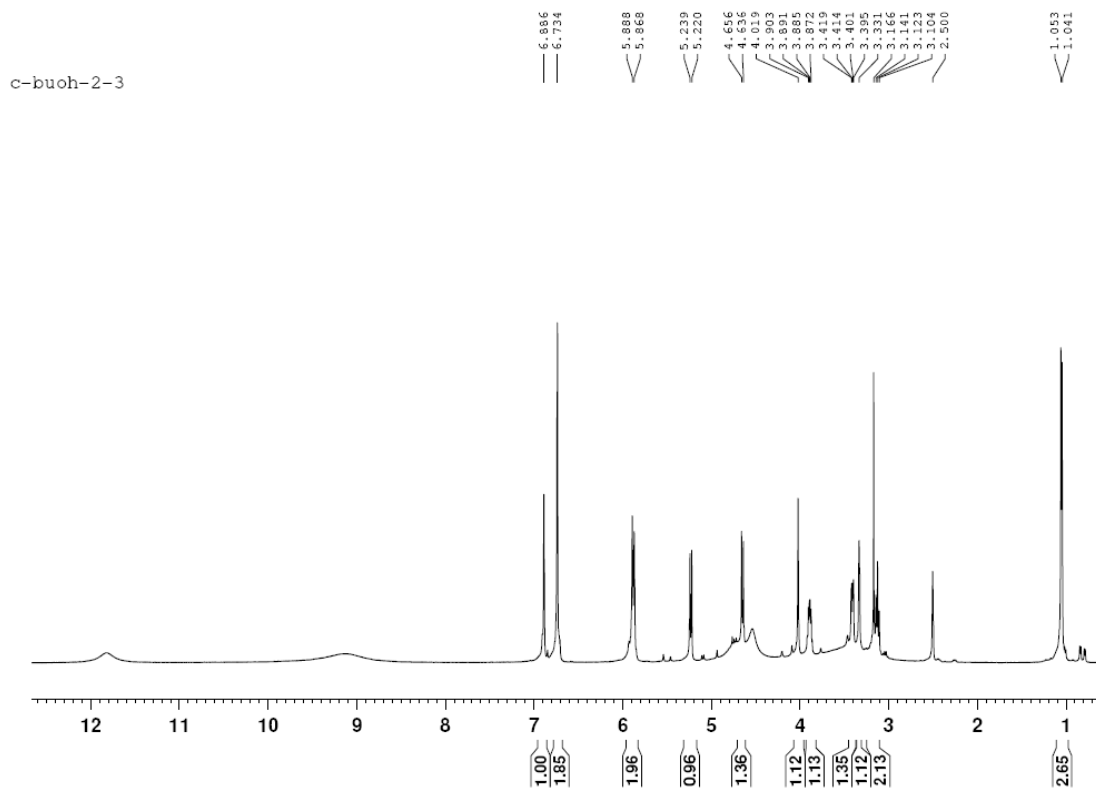
210 200 190 180 170 160 150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0
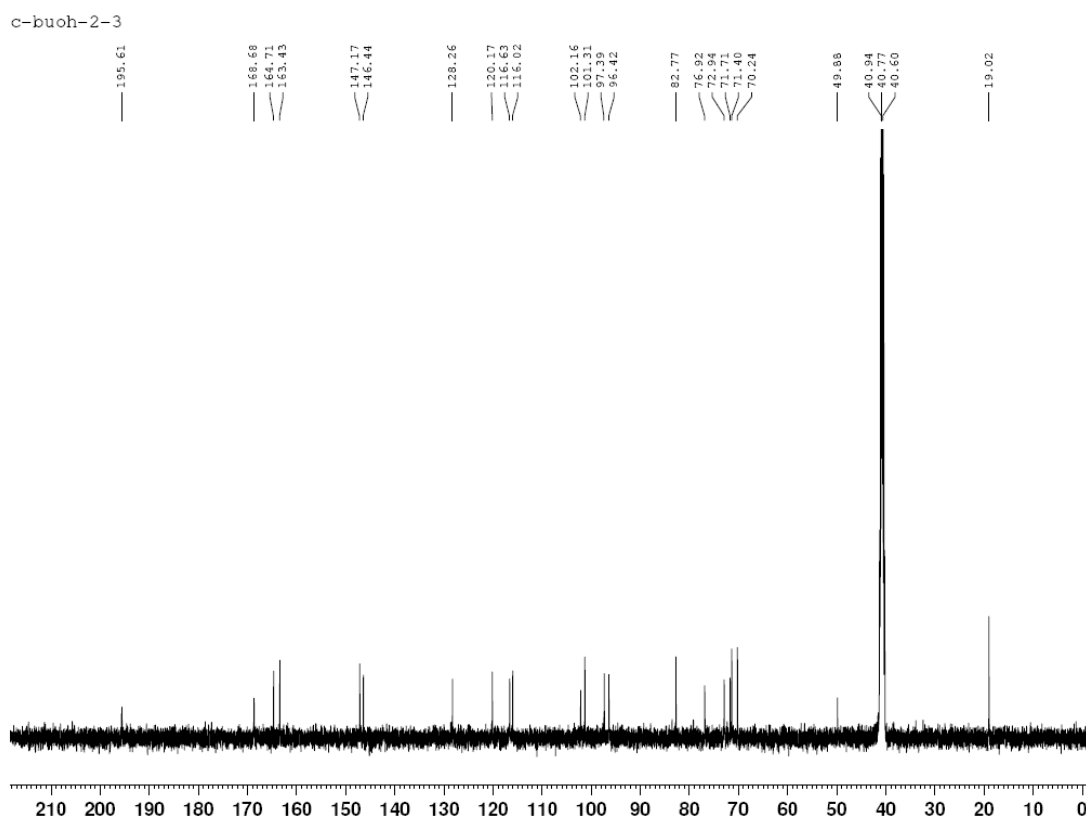
HR-ESI-MS spectrum of astilbin (**10**)

F: FTMS - p ESI Full ms [100.00-1000.00]

449.10852

899.22412

485.08499

371.07693

517.09589

539.14014

821.19263

935.20020

205.05069

327.08710

669.14563 745.23358

m/z

HR-ESI-MS/MS spectrum of astilbin (**10**)
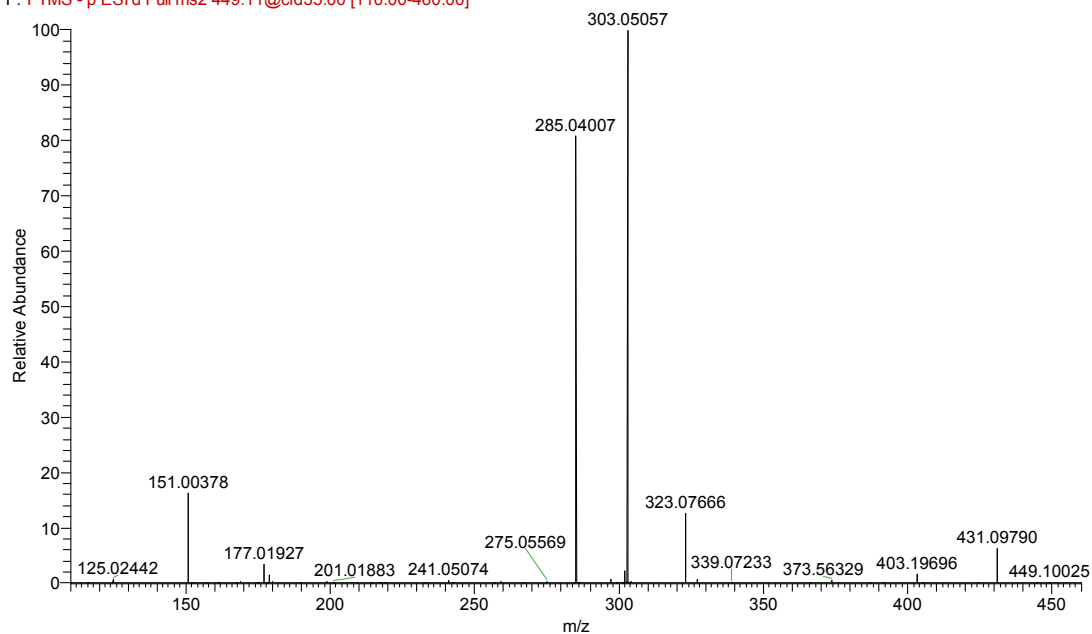
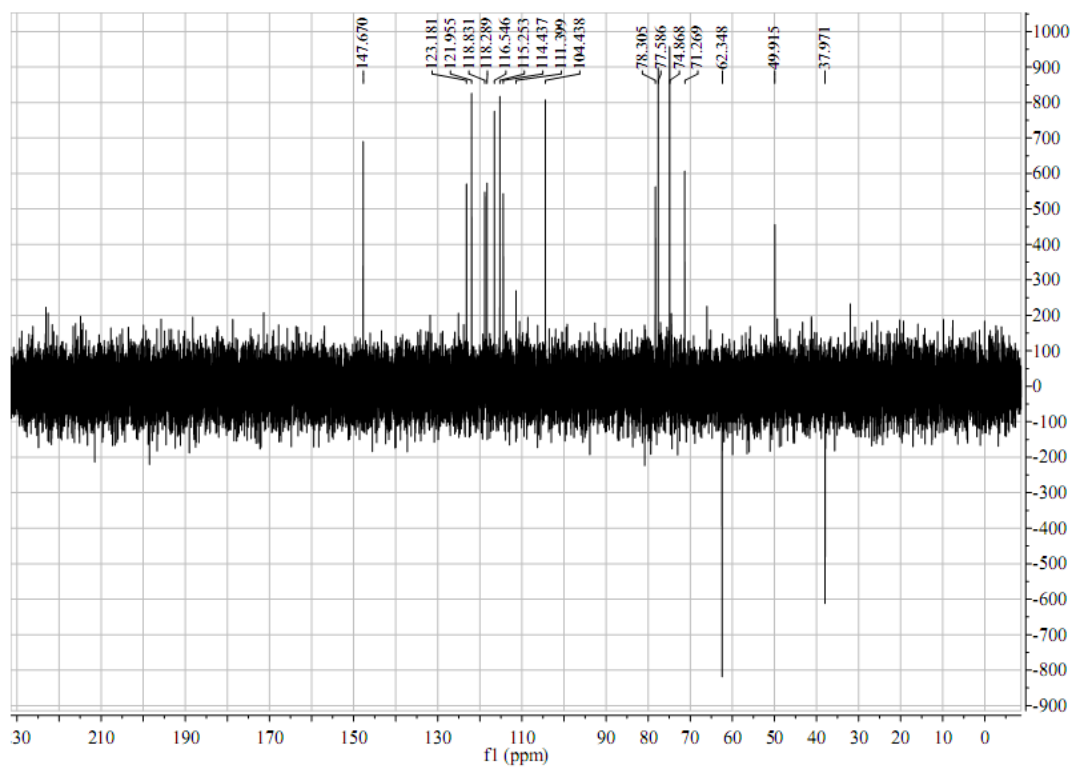1.10 Spectral data of rosmarinic acid 4-*O*-*B*-D-glucopyrannoside (**11**)

^{1}H-NMR (300MHz, CD$_3$OD) data of rosmarinic acid 4-*O*-*B*-D-glucopyrannoside (**11**)
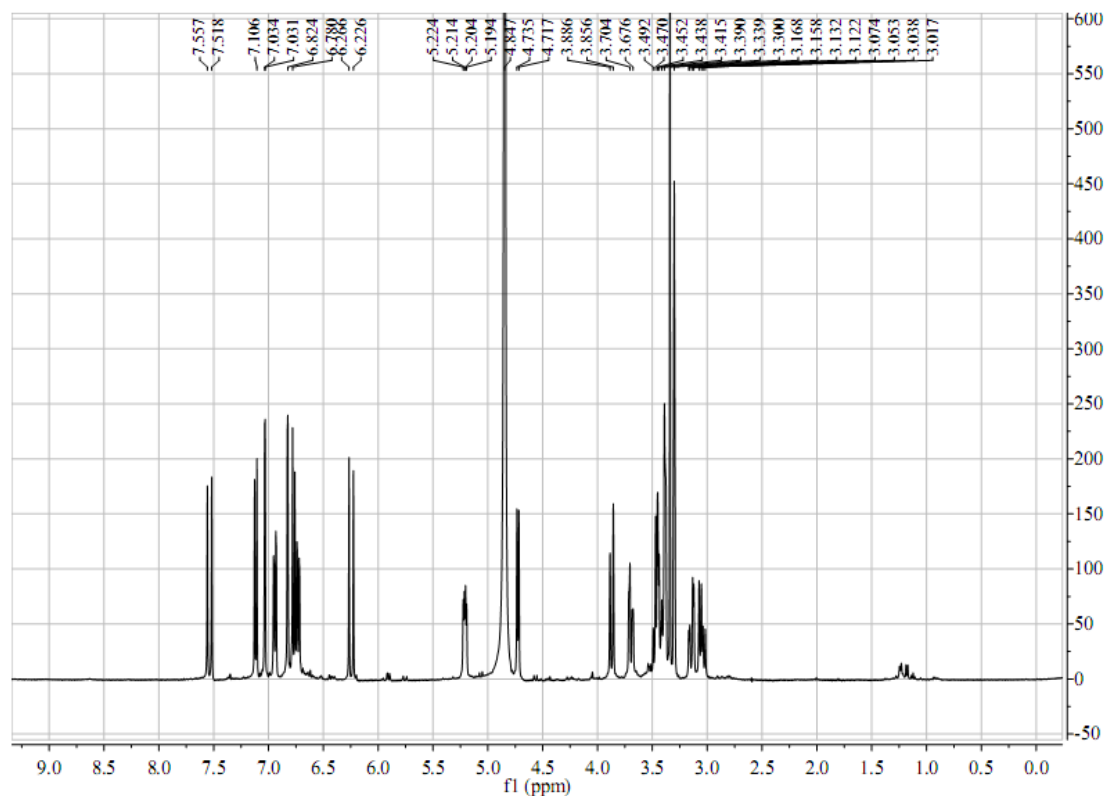
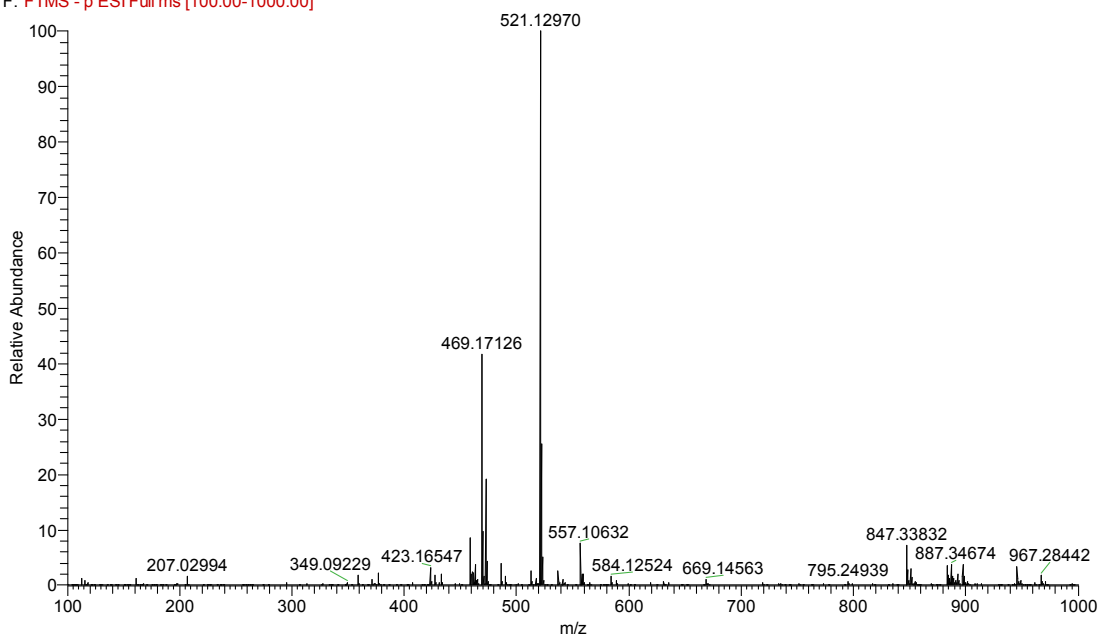^{13}C-NMR (125MHz, CD$_3$OD) data of rosmarinic acid 4-*O-B*-D-glucopyrannoside (**11**)
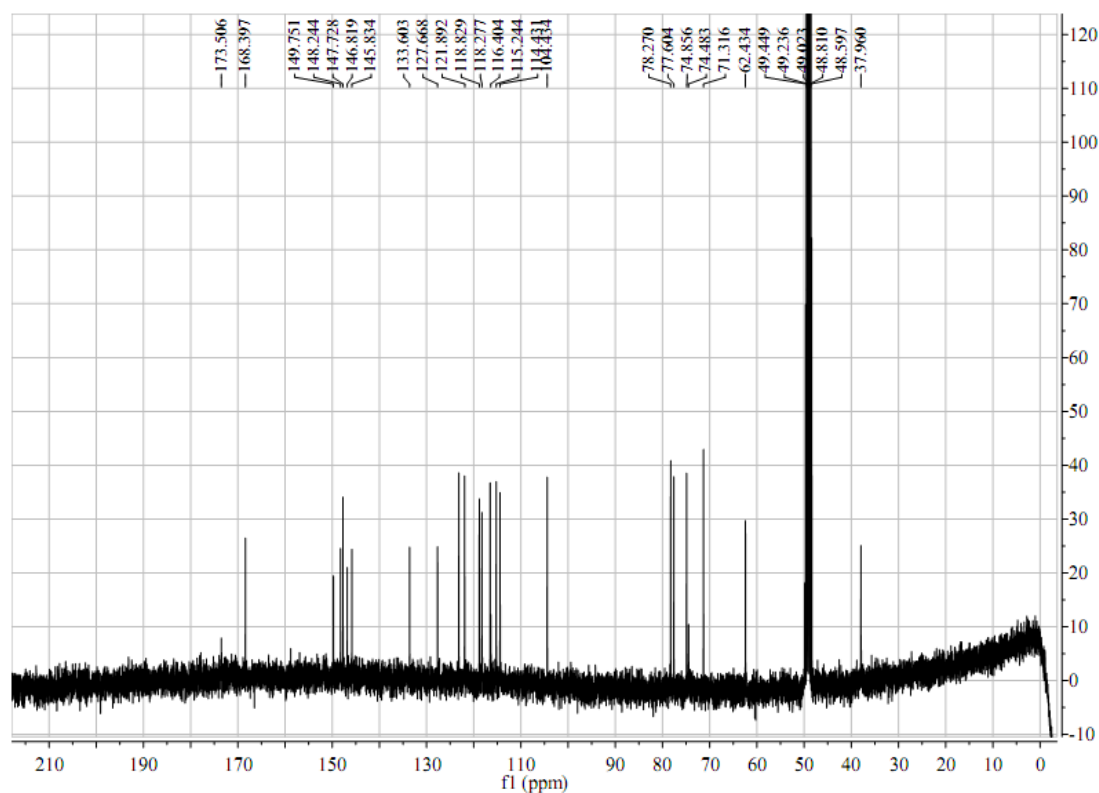
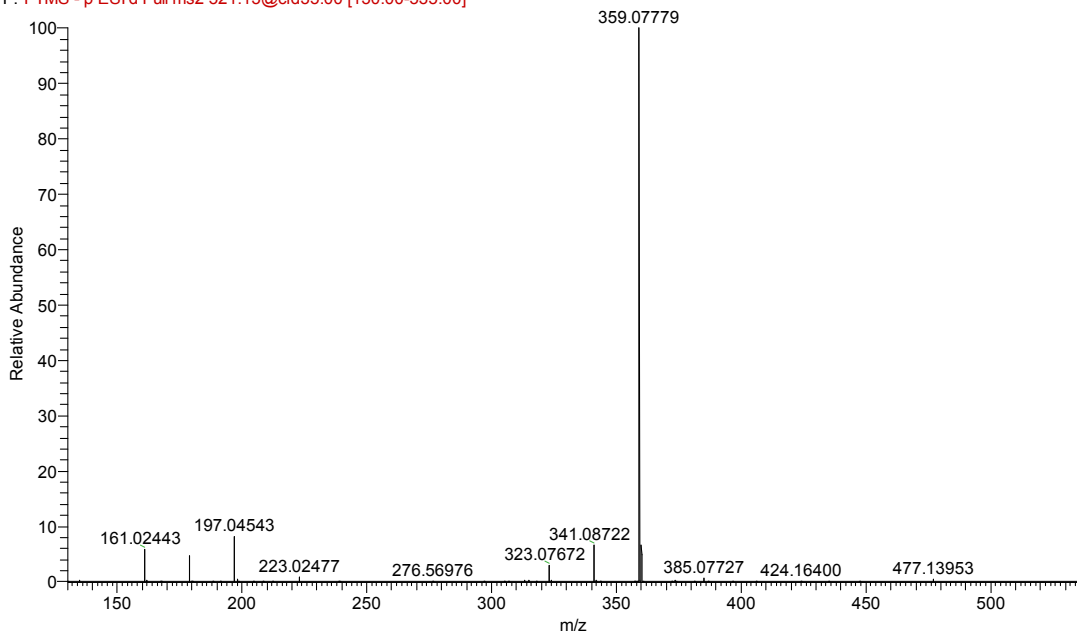DEPT data of rosmarinic acid 4-*O-B*-D-glucopyrannoside (**11**)

HR-ESI-MS spectrum of rosmarinic acid 4-*O-B*-D-glucopyrannoside (**11**)

HR-ESI-MS/MS spectrum of rosmarinic acid 4-*O*-*B*-D-glucopyrannoside (**11**)

1.11 Spectral data of neoisoastilbin (**12**)

^{1}H-NMR (500MHz, DMSO-d_6) data of neoisoastilbin (12)
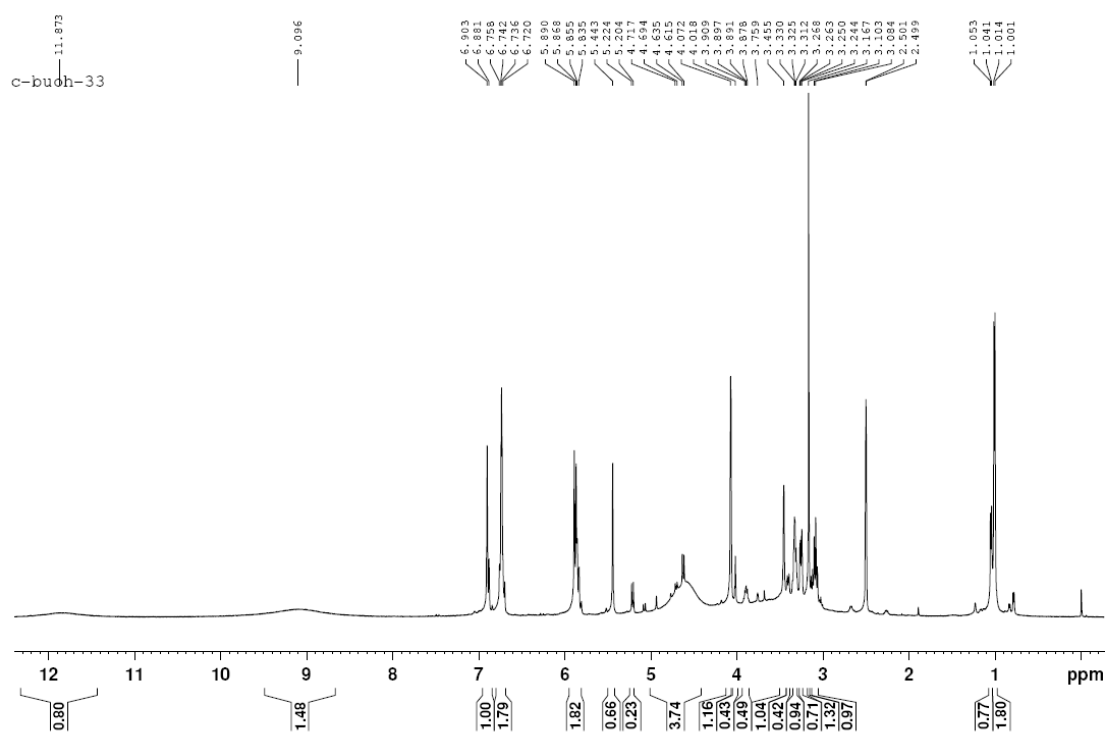
^{13}C-NMR (125MHz, DMSO-d_6) data of neoisoastilbin (12)
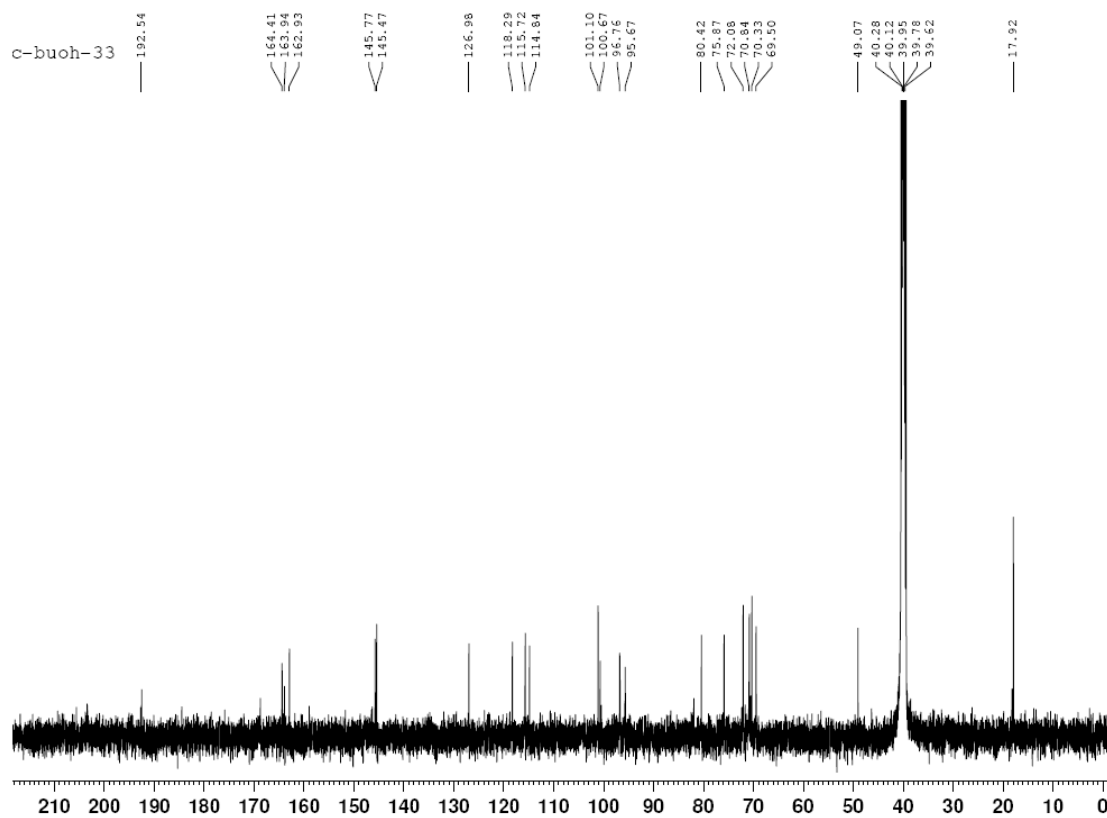
HR-ESI-MS spectrum of neoisoastilbin (12)
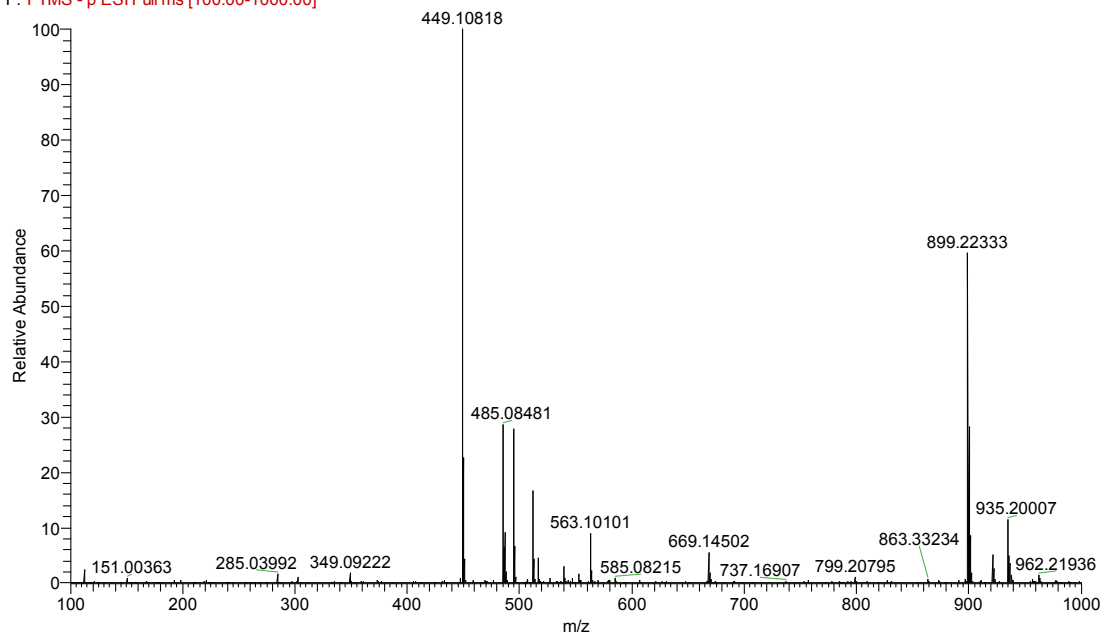
HR-ESI-MS/MS spectrum of neoisoastilbin **(12)**
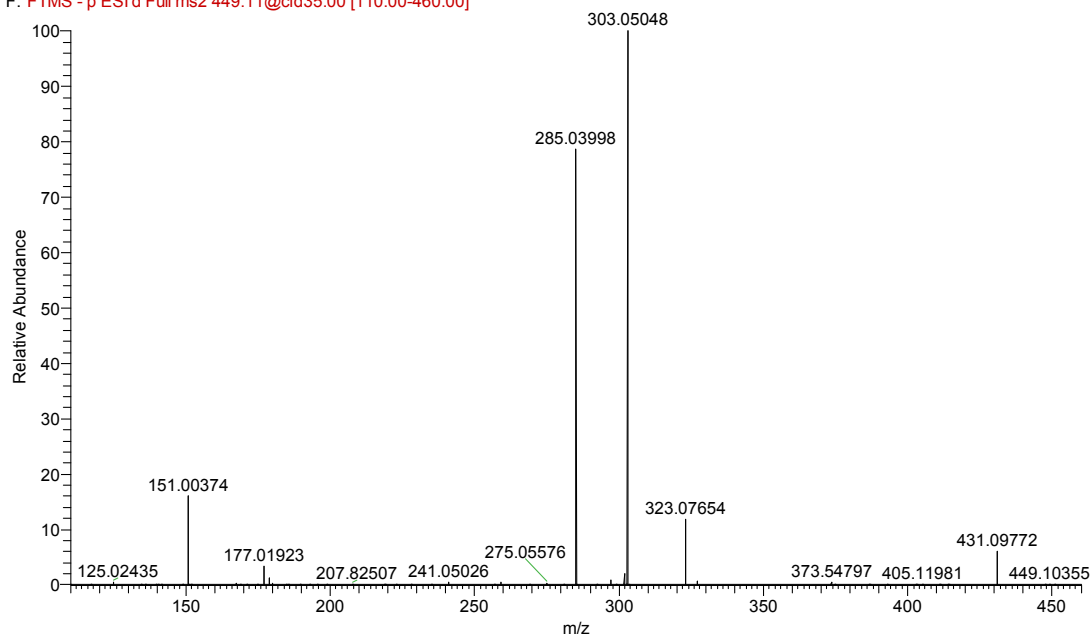
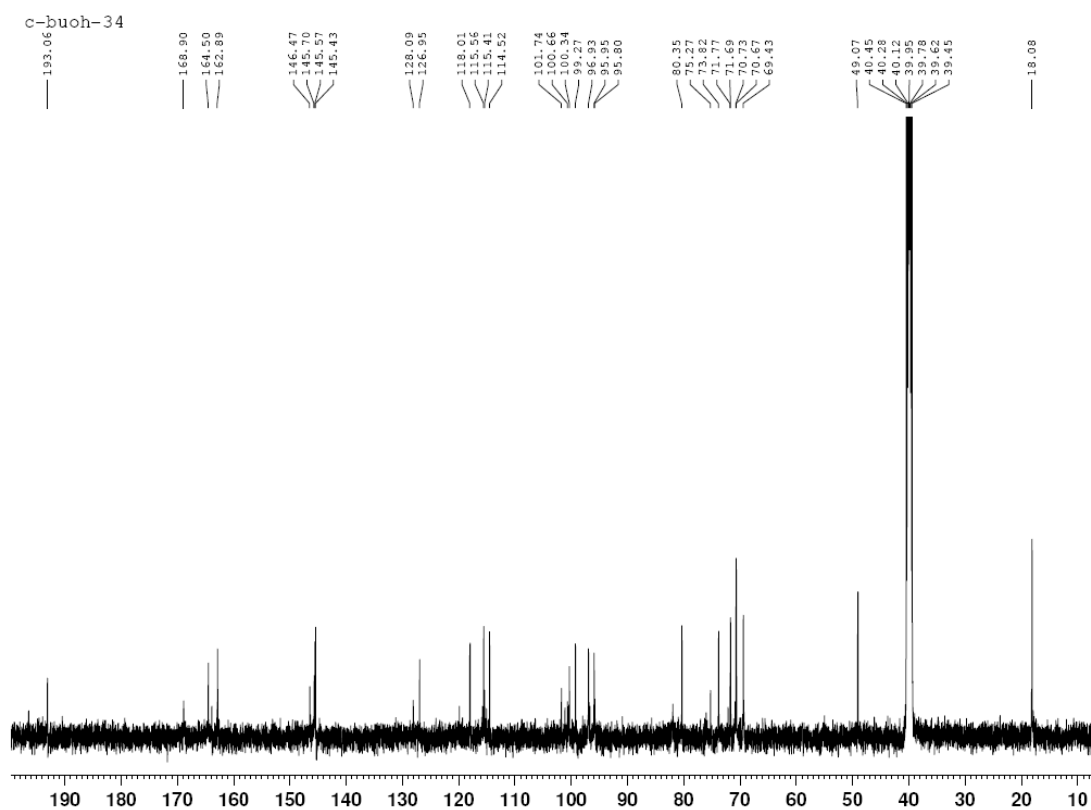1.12 Spectral data of isoastilbin (**13**)

¹H-NMR (500MHz, DMSO-d_6) data of isoastilbin (13)
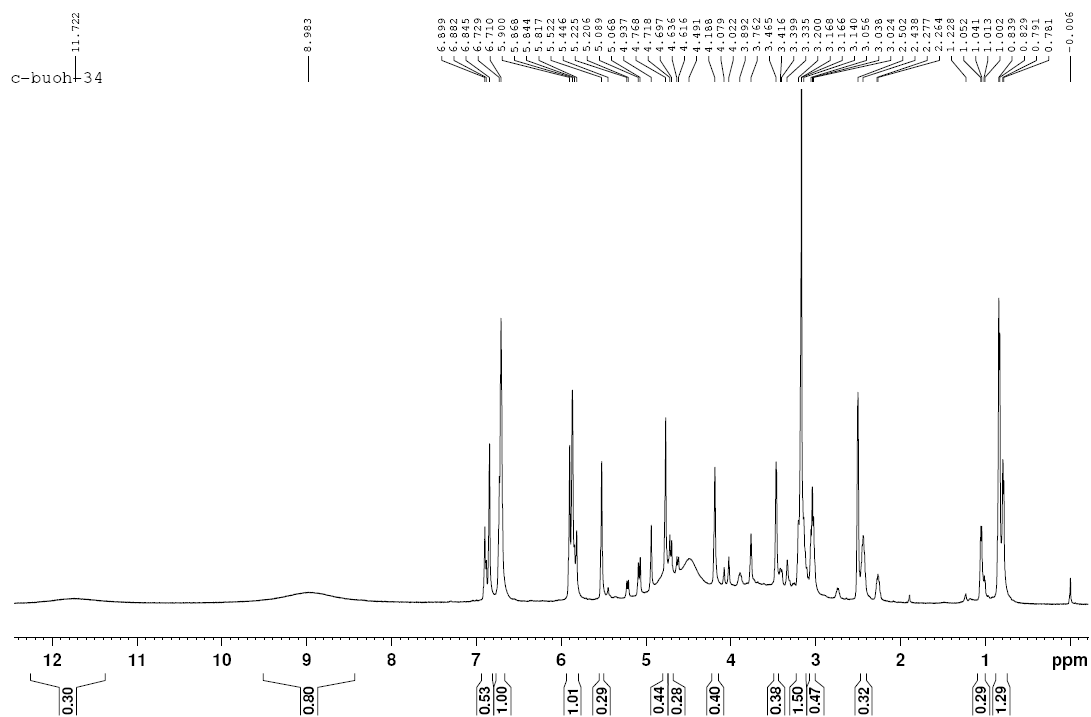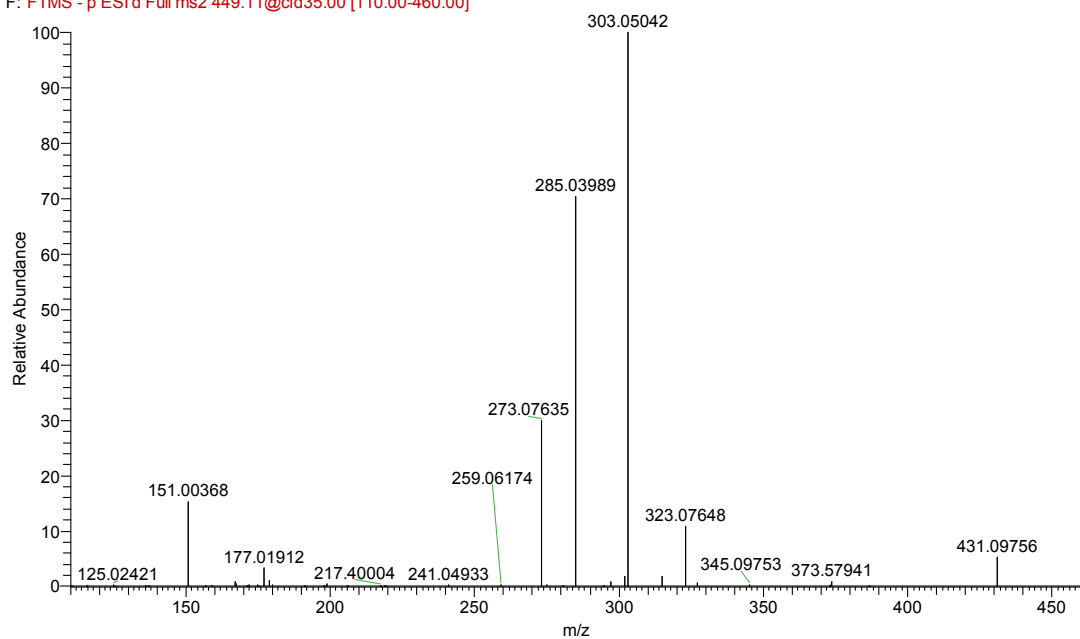

¹³C-NMR (125MHz, DMSO-d_6) data of isoastilbin (13)

HR-ESI-MS spectrum of isoastilbin (**13**)
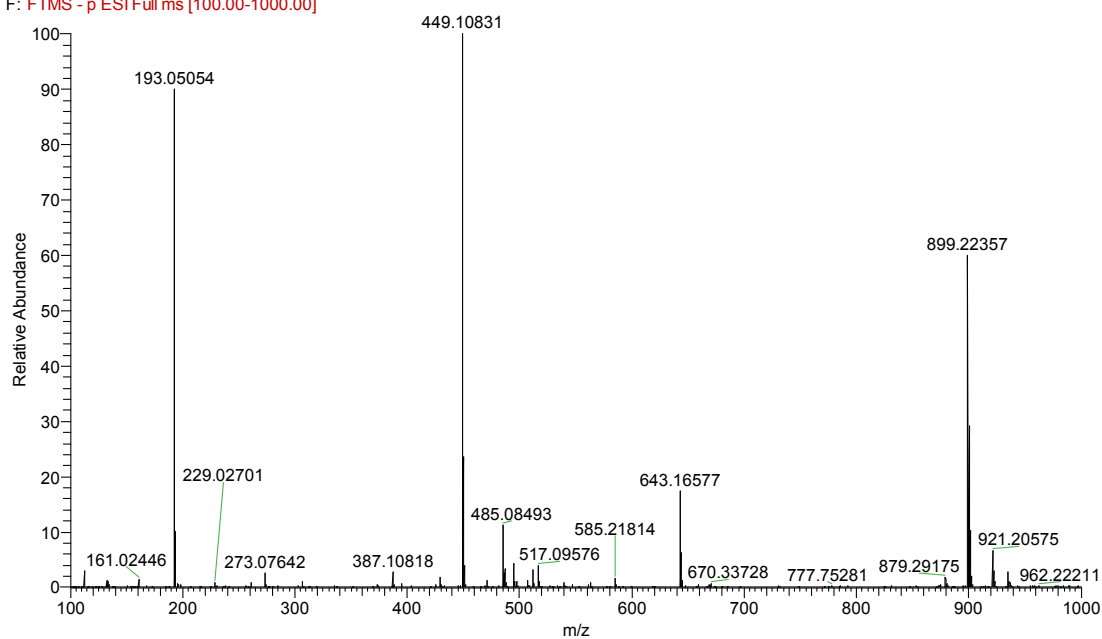
HR-ESI-MS/MS spectrum of isoastilbin (**13**)

1.13 Spectral data of rosmarinic acid (**14**)

¹H-NMR (300MHz, DMSO-d_6) data of rosmarinic acid (14)

7.407
7.375
7.051
6.956
6.940
6.756
6.740
6.669
6.614
6.598
6.504
6.488
6.217
6.186

4.879
4.864

3.171
3.011
2.986
2.797
2.777
2.749
2.509

1.00 0.98 1.00 0.98 1.13 1.11 0.98 1.00   1.09   1.14 1.28 1.16

¹³C-NMR (125MHz, DMSO-d_6) data of rosmarinic acid (14)

172.53
166.65

148.92
146.27
145.34
145.05
144.06

129.88
125.98
121.38
120.19
117.03
116.31
115.82
115.45
115.00

75.86

40.44
40.27
39.60
39.43
37.46
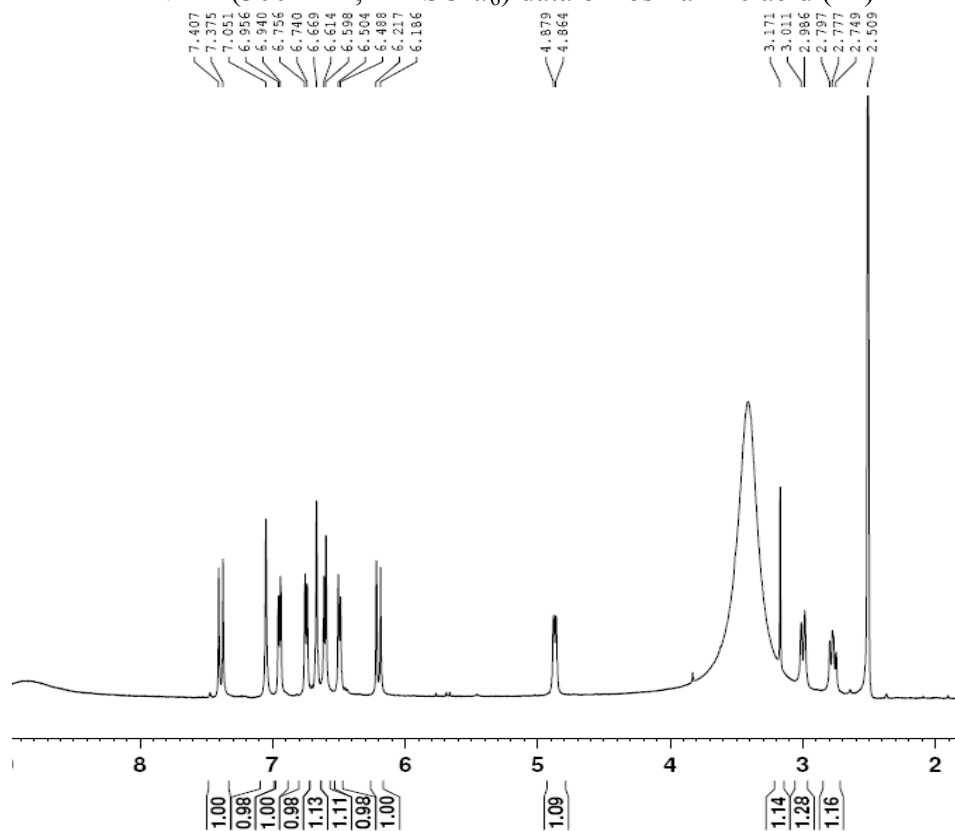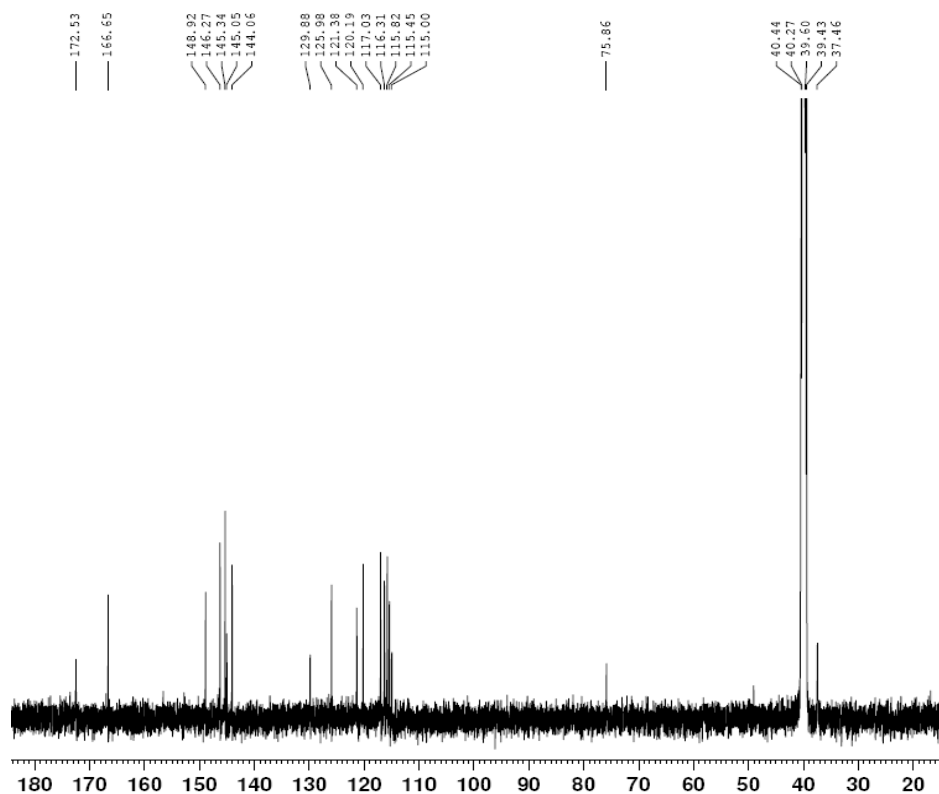
HR-ESI-MS spectrum of rosmarinic acid (14)

HR-ESI-MS/MS spectrum of rosmarinic acid (**14**)
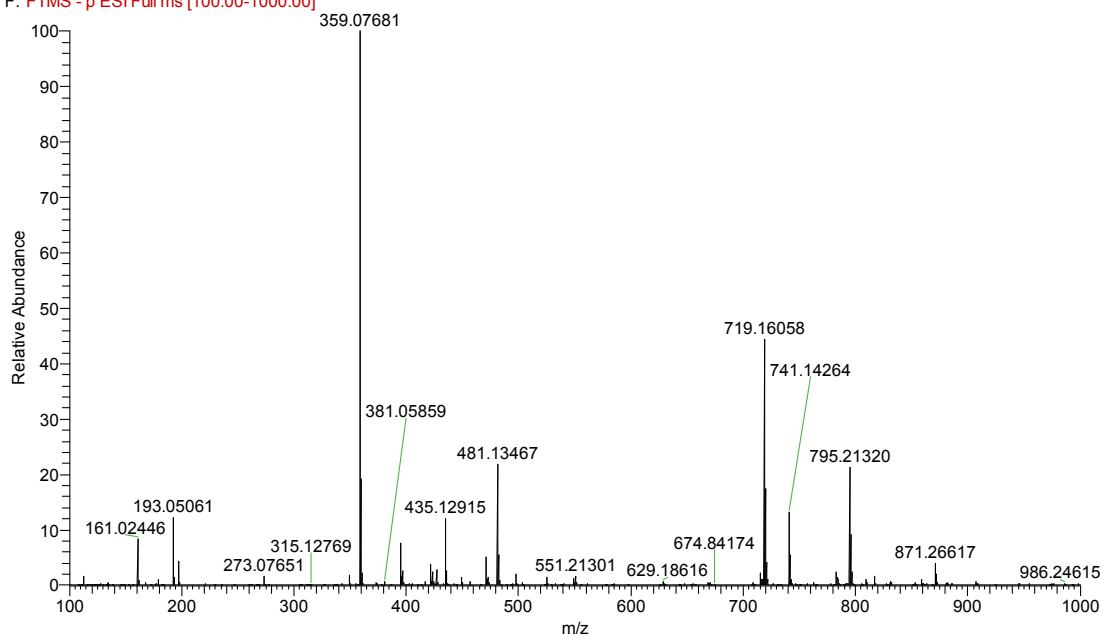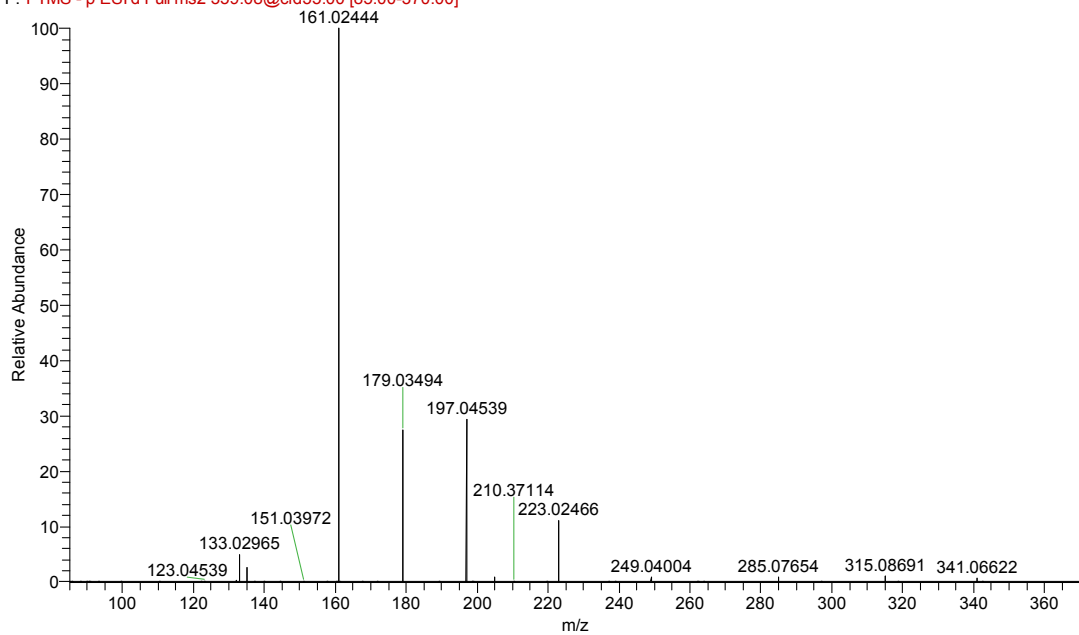
1.14 Spectral data of quercetin-3-*O*-*β*-D-glucuronide (**15**)

¹H-NMR (300MHz, DMSO-d_6) data of quercetin-3-O-β-D-glucuronide (15)
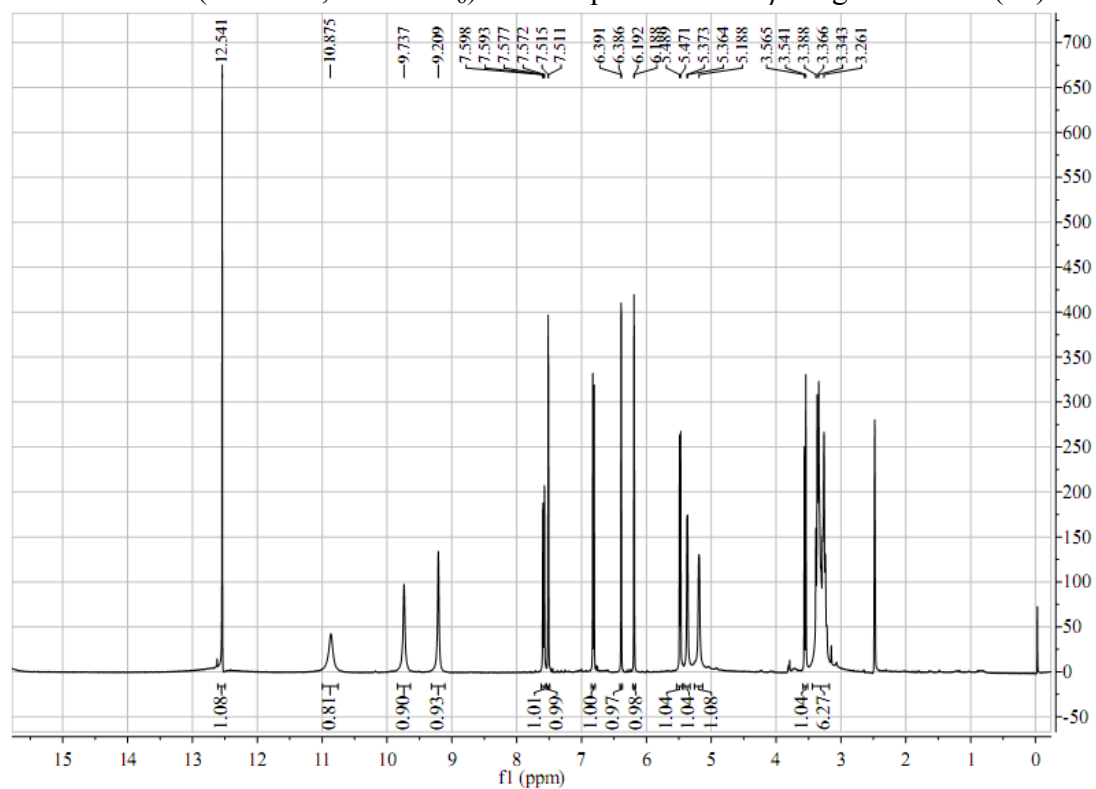
¹³C-NMR (125MHz, DMSO-d_6) data of quercetin-3-O-β-D-glucuronide (15)
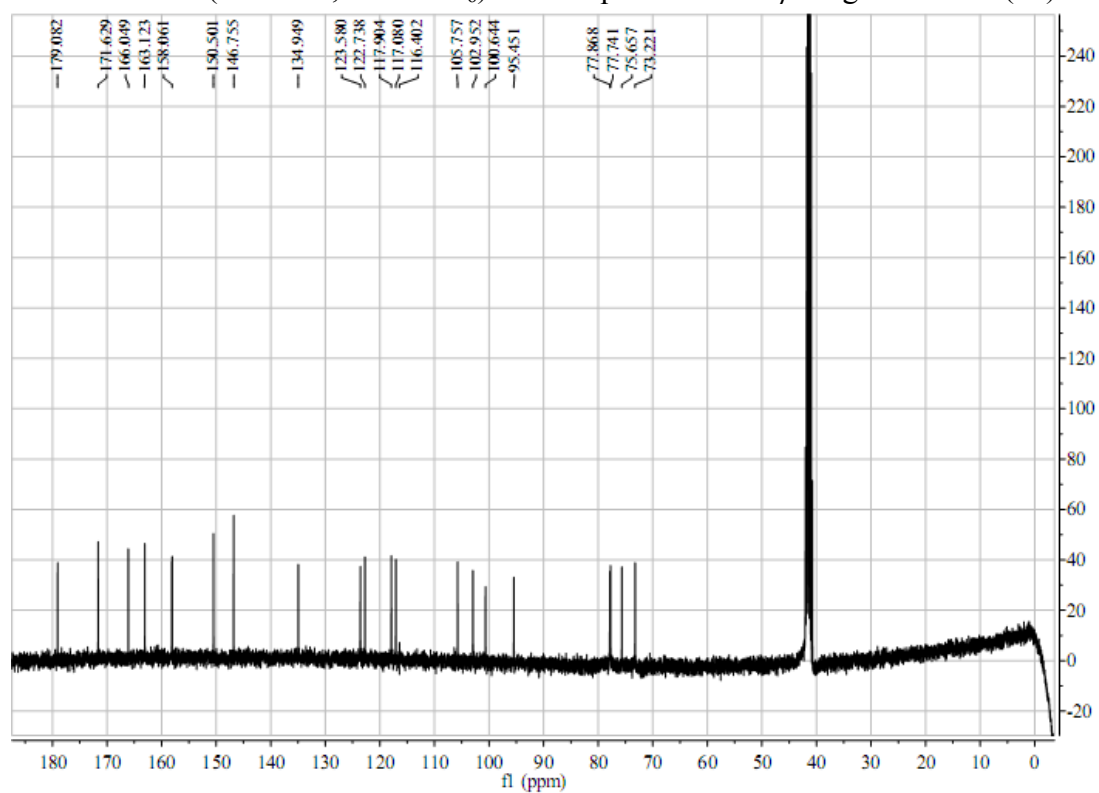
DEPT data of quercetin-3-O-β-D-glucuronide (15)
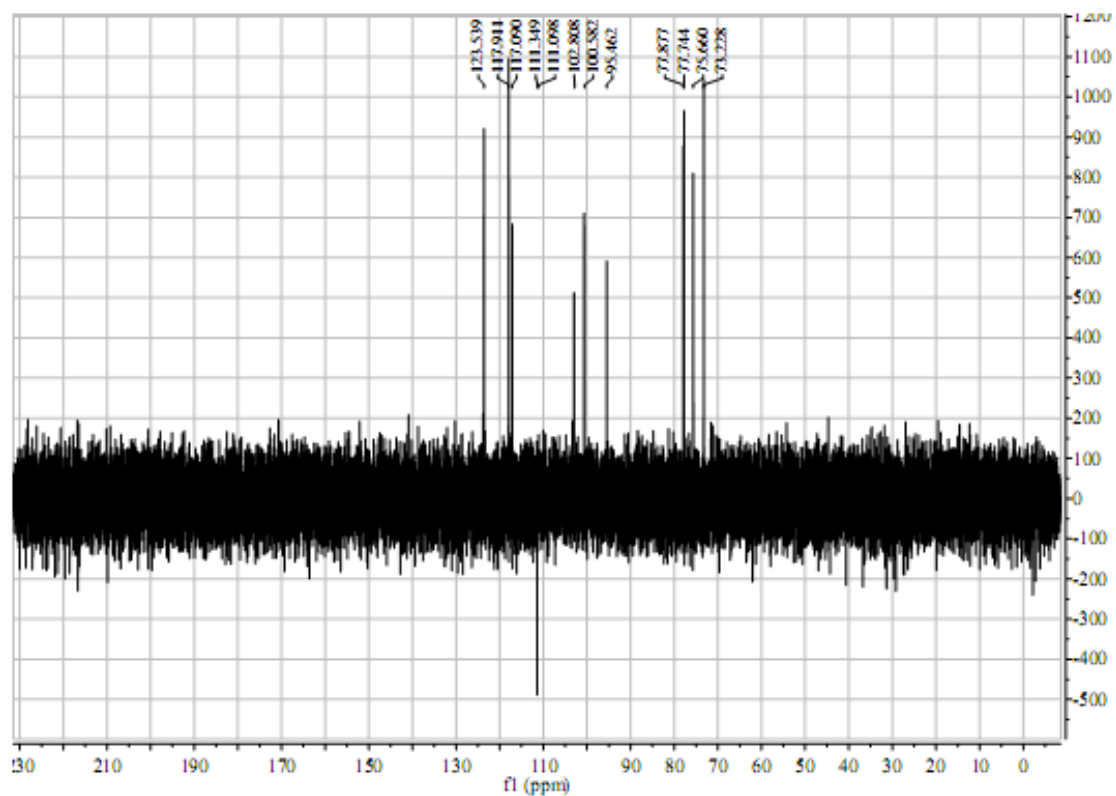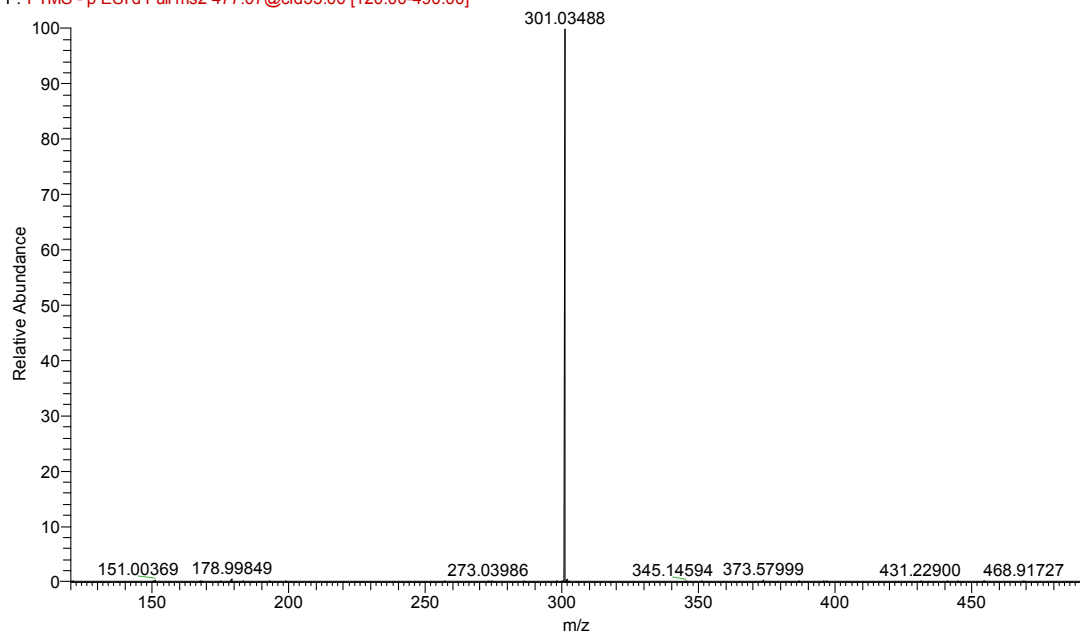
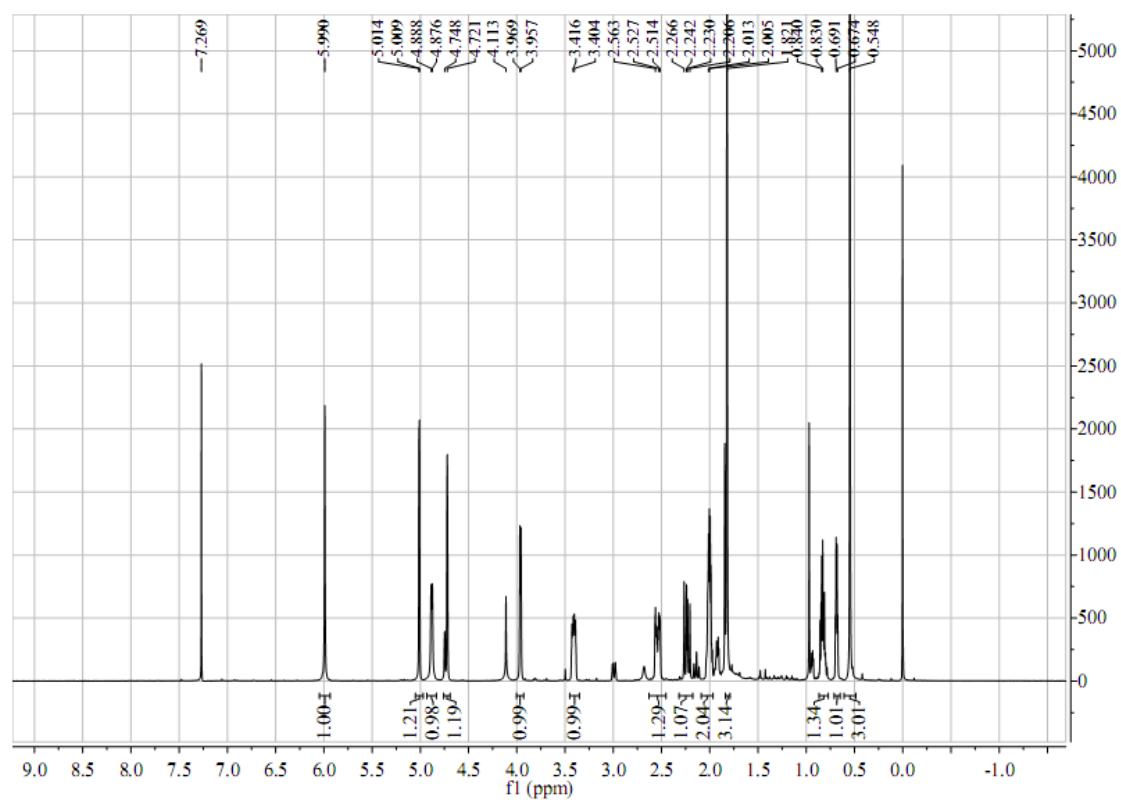HR-ESI-MS spectrum of quercetin-3-*O*-*β*-D-glucuronide (**15**)
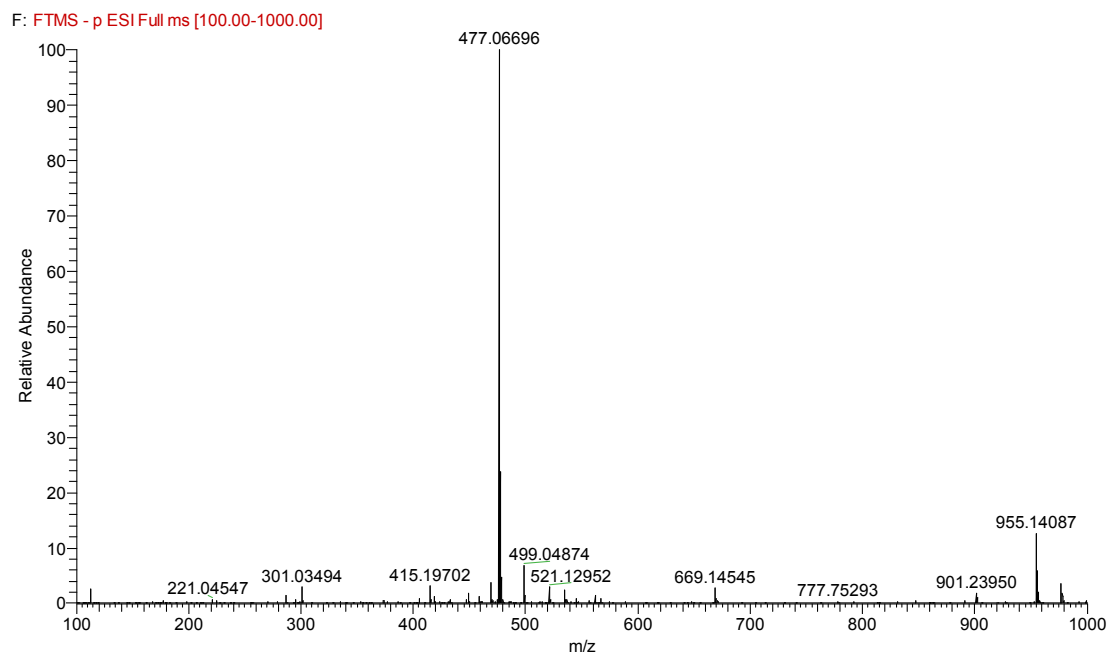
HR-ESI-MS/MS spectrum of quercetin-3-*O*-*β*-D-glucuronide (**15**)
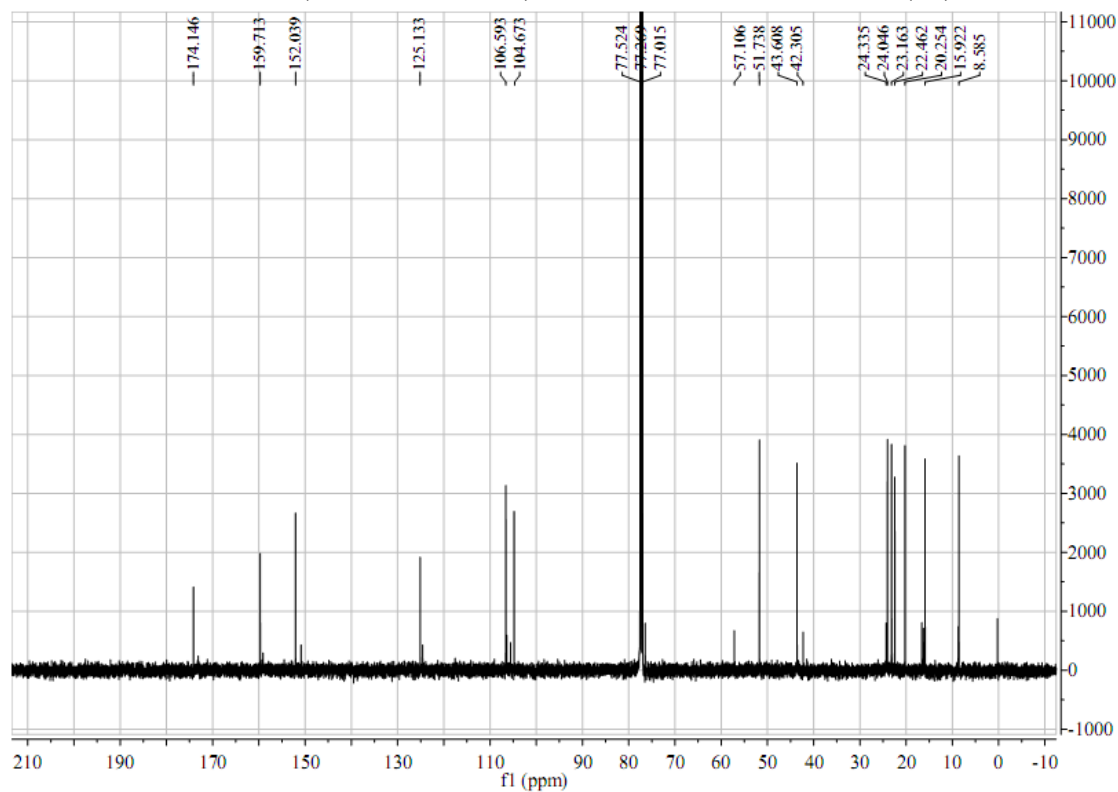
1.15 Spectral data of chloranthalactone E (**17**)

^{1}H-NMR (300MHz, CDCl$_3$) data of chloranthalactone E (**17**)

^{13}C-NMR (125MHz, CDCl$_3$) data of chloranthalactone E (**17**)
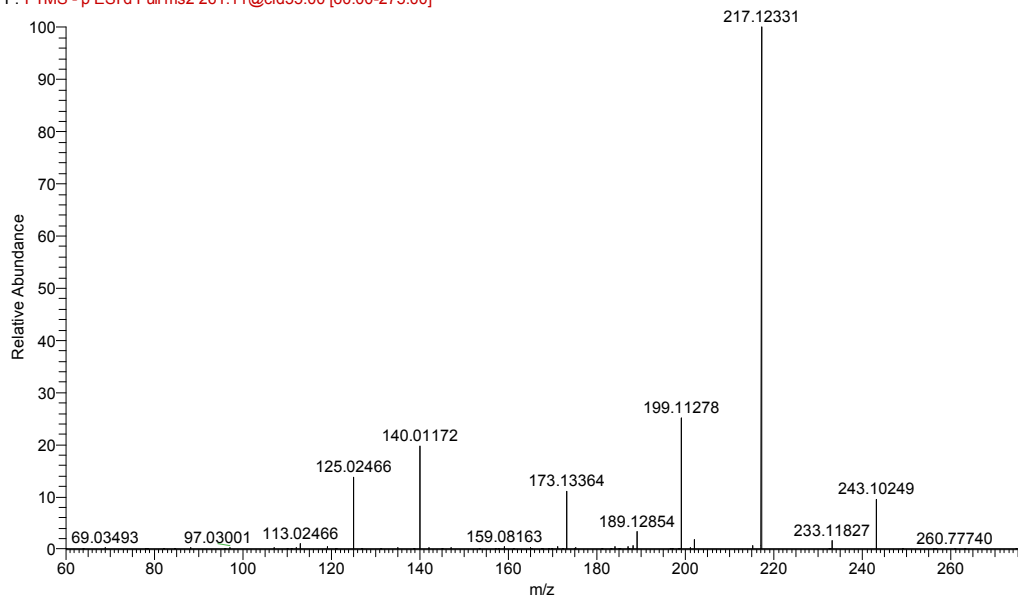

HR-ESI-MS spectrum of chloranthalactone E (**17**)
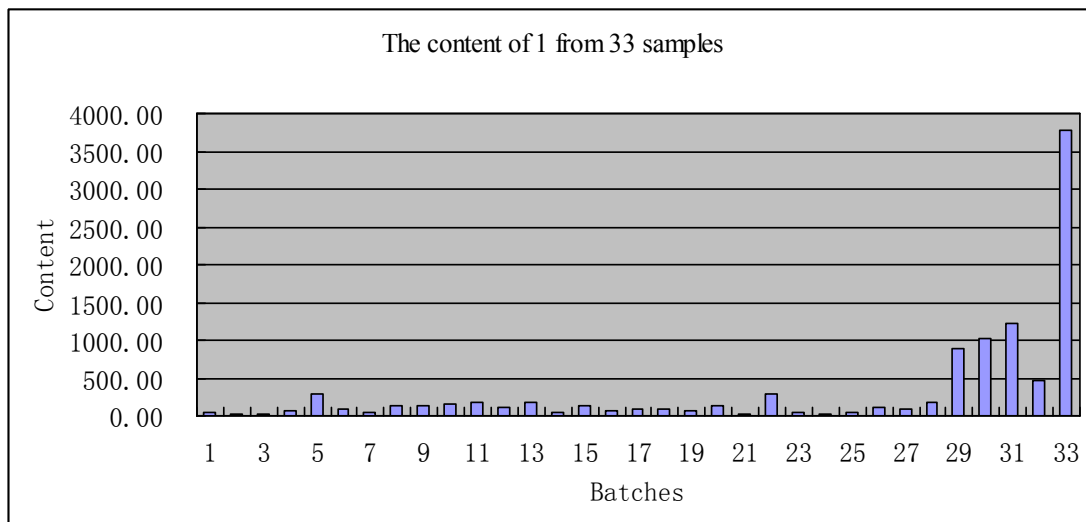
F: FTMS - p ESI Full ms [100.00-1000.00]

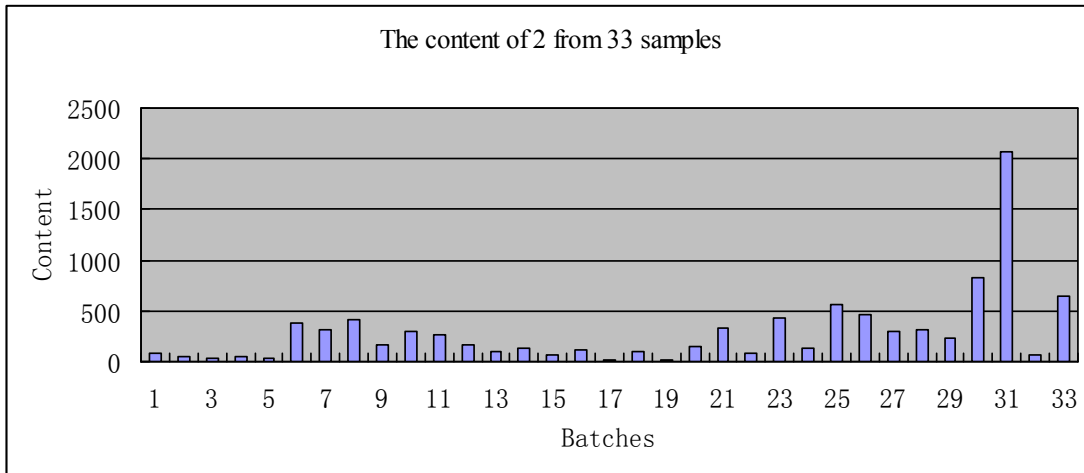## HR-ESI-MS/MS spectrum of chloranthalactone E (**17**)

2. The column chart of 17 determined constituents from 33 samples
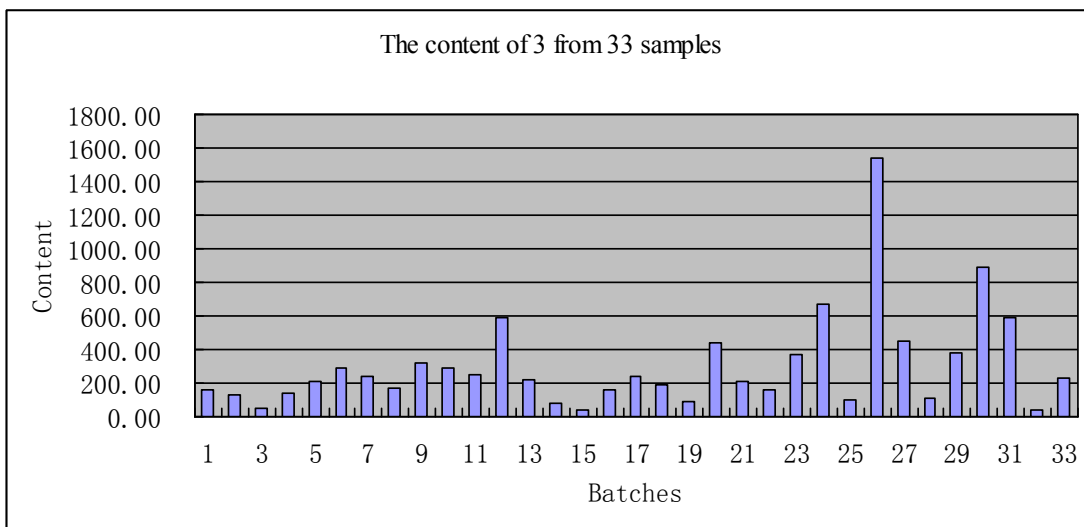
2.1 The content of **1** from 33 samples

The content of 1 from 33 samples
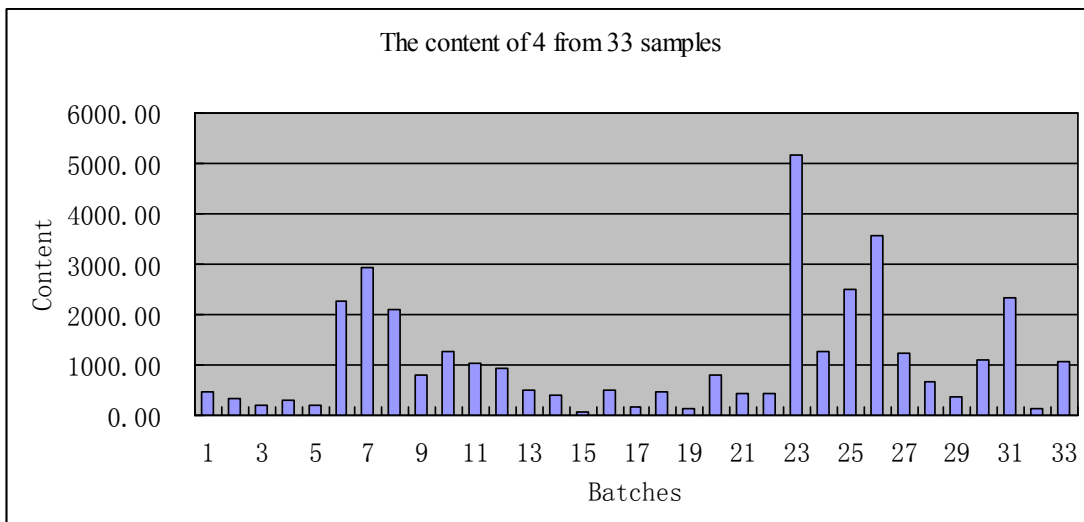
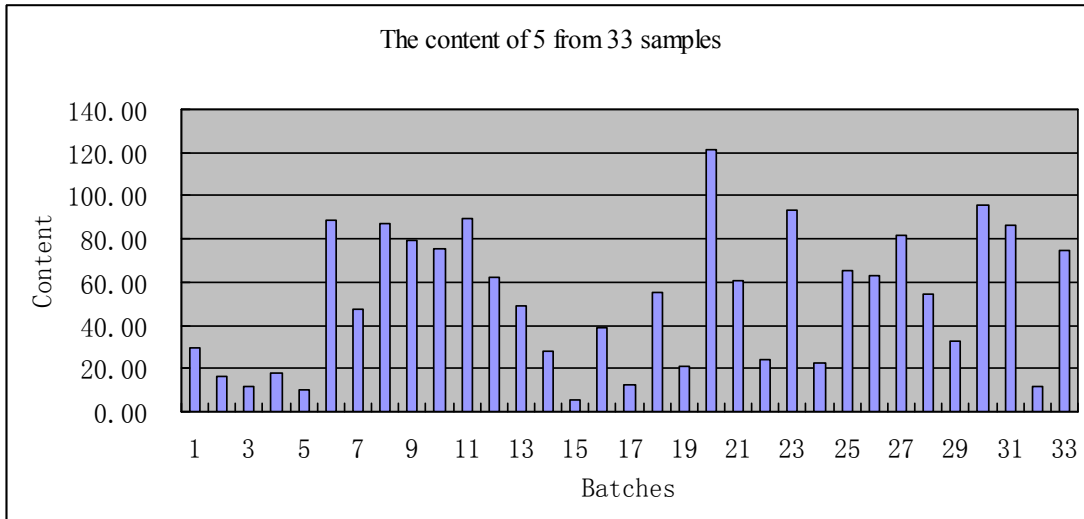2.2 The content of **2** from 33 samples

The content of 2 from 33 samples

2.3 The content of **3** from 33 samples

The content of 3 from 33 samples
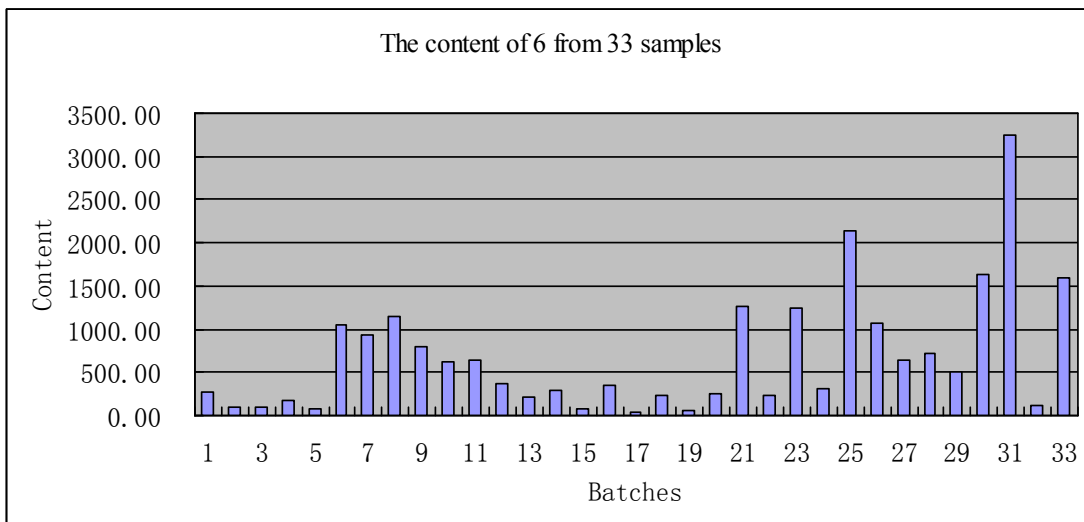
2.4 The content of **4** from 33 samples

The content of 4 from 33 samples

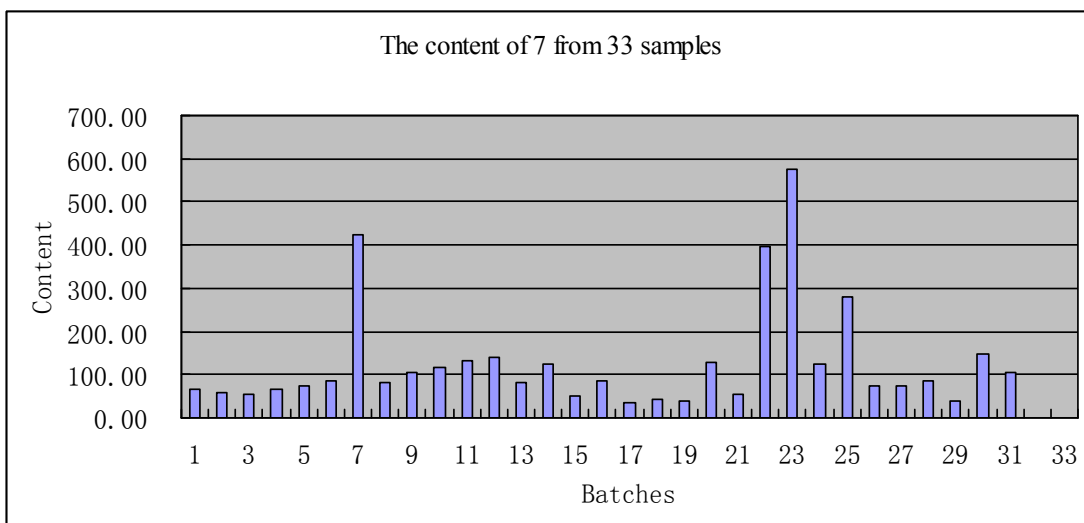## 2.5 The content of **5** from 33 samples

The content of 5 from 33 samples

2.6 The content of **6** from 33 samples

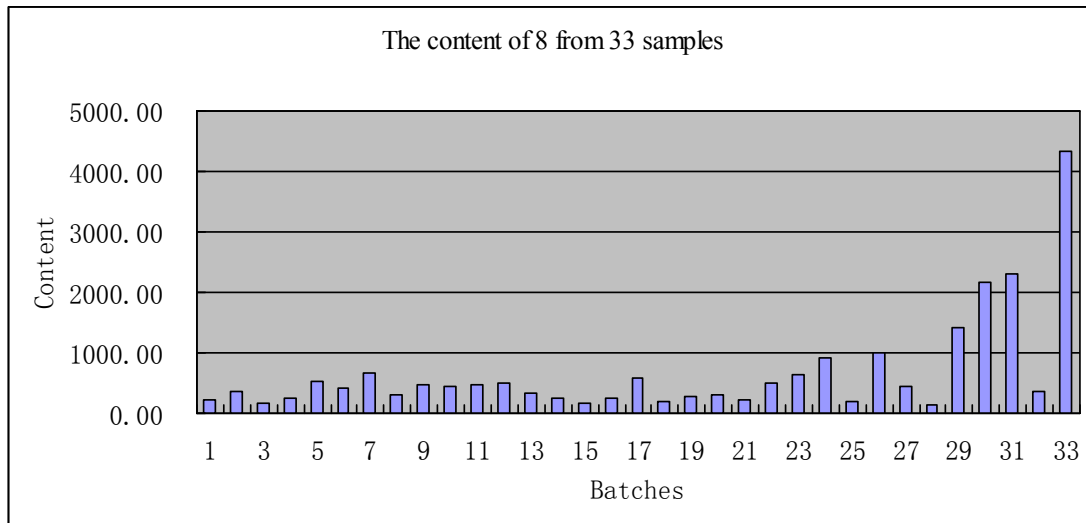The content of 6 from 33 samples

2.7 The content of **7** from 33 samples
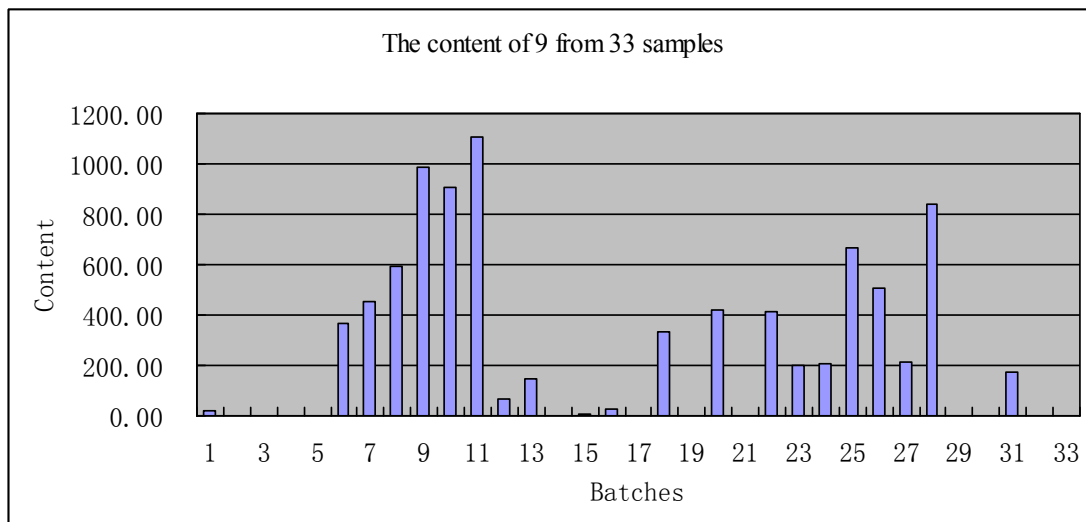

The content of 7 from 33 samples

2.8 The content of **8** from 33 samples

The content of 8 from 33 samples
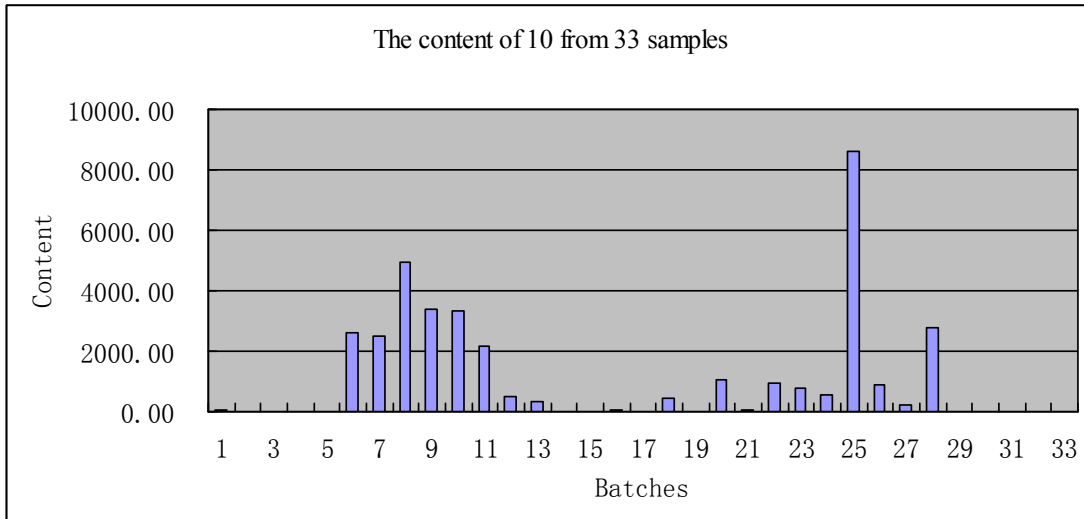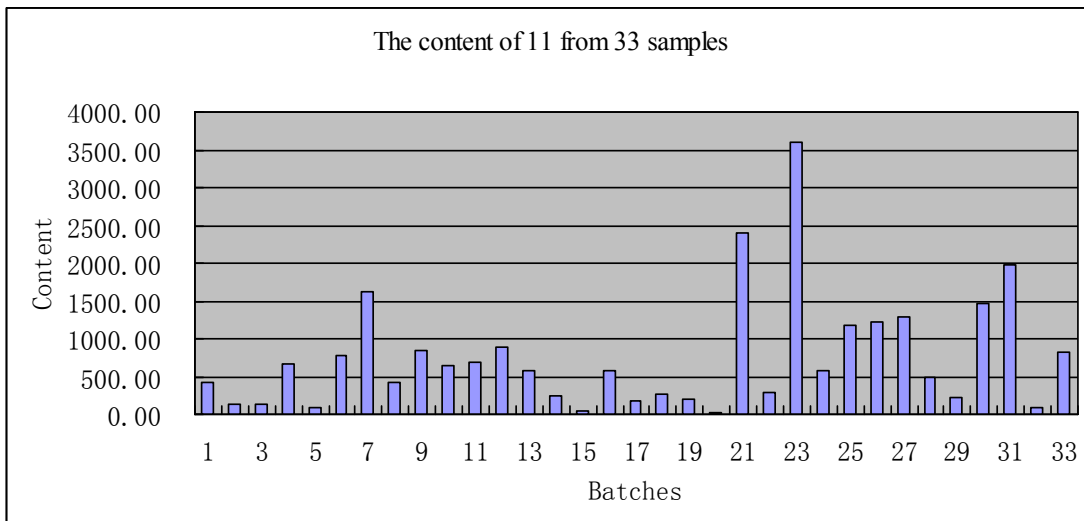
2.9 The content of **9** from 33 samples

The content of 9 from 33 samples

2.10 The content of **10** from 33 samples
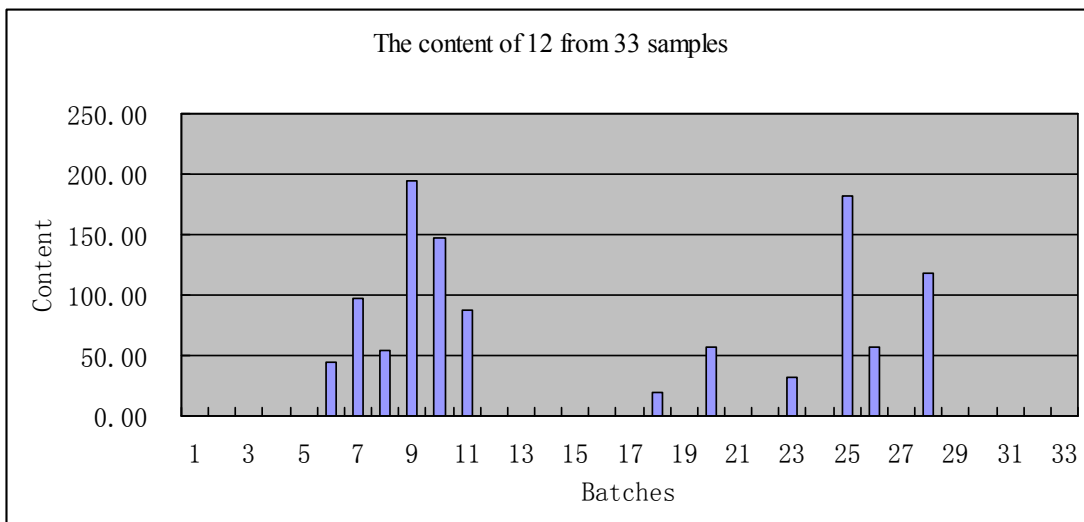
The content of 10 from 33 samples
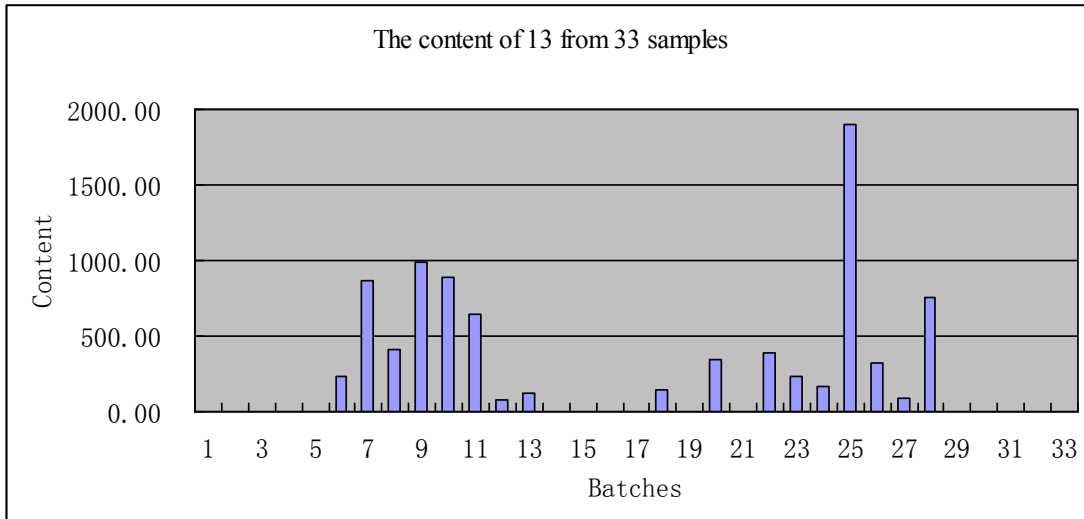
2.11 The content of **11** from 33 samples

The content of 11 from 33 samples

2.12 The content of **12** from 33 samples
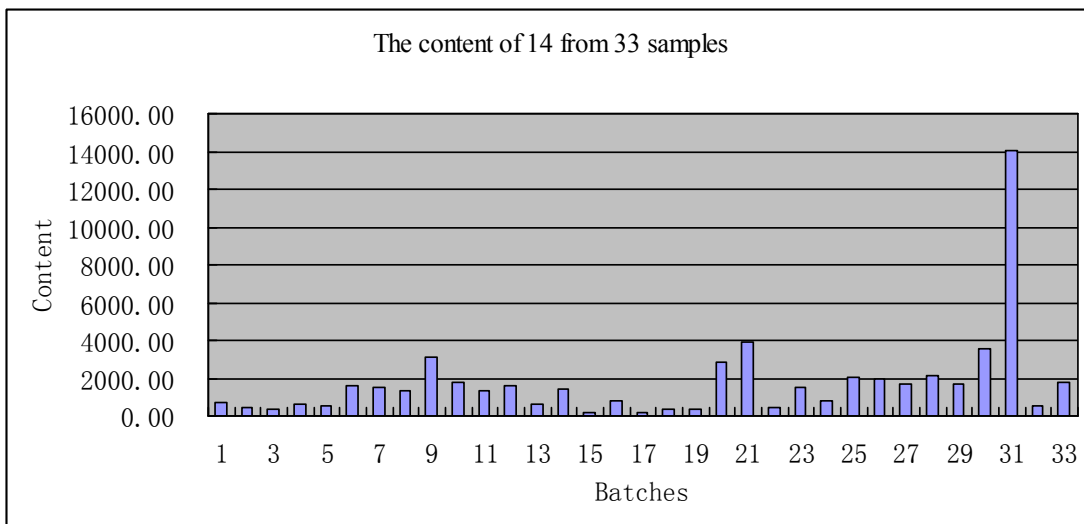

The content of 12 from 33 samples

2.13 The content of **13** from 33 samples

The content of 13 from 33 samples

2.14 The content of **14** from 33 samples

The content of 14 from 33 samples

2.15 The content of **15** from 33 samples

The content of 15 from 33 samples

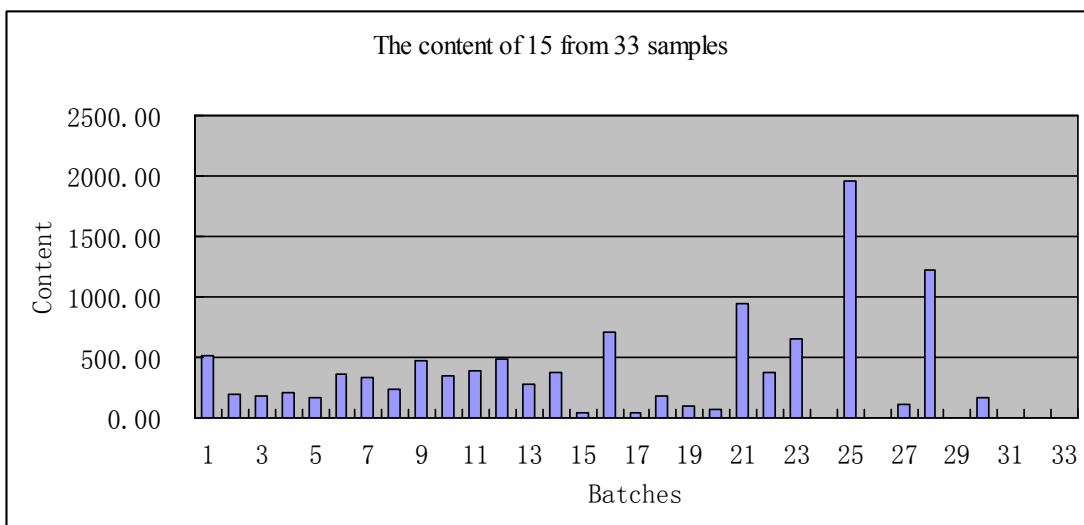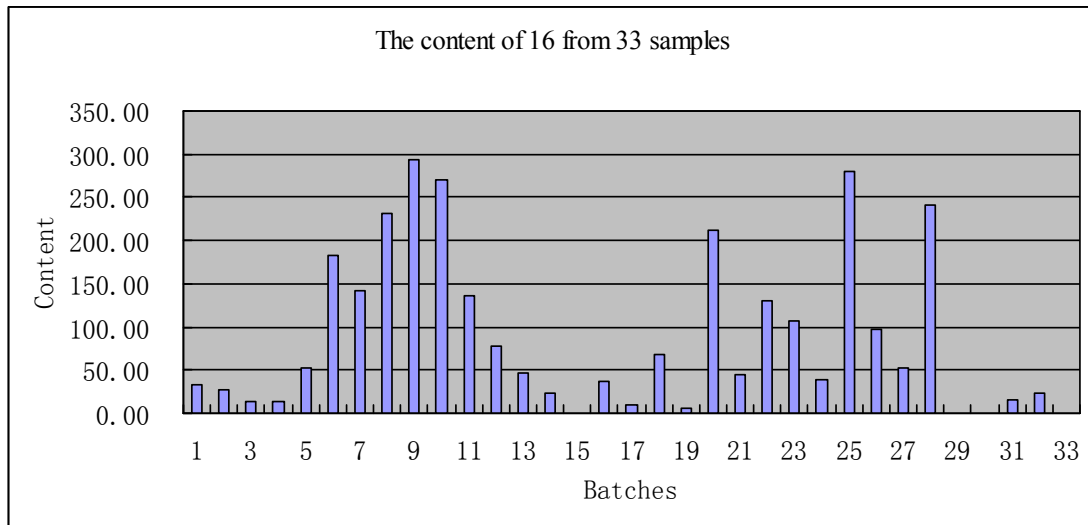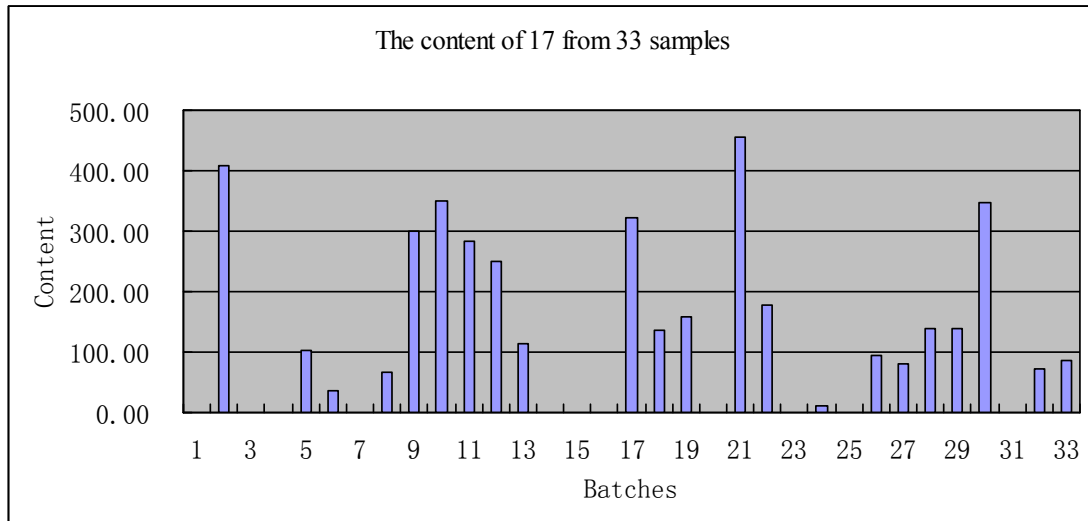## 2.16 The content of **16** from 33 samples

The content of 16 from 33 samples

2.17 The content of **17**from 33 samples

The content of 17 from 33 samples

2.18 The total content of **1-17** from 33 samples

The total content of 1-17 from 33 samples