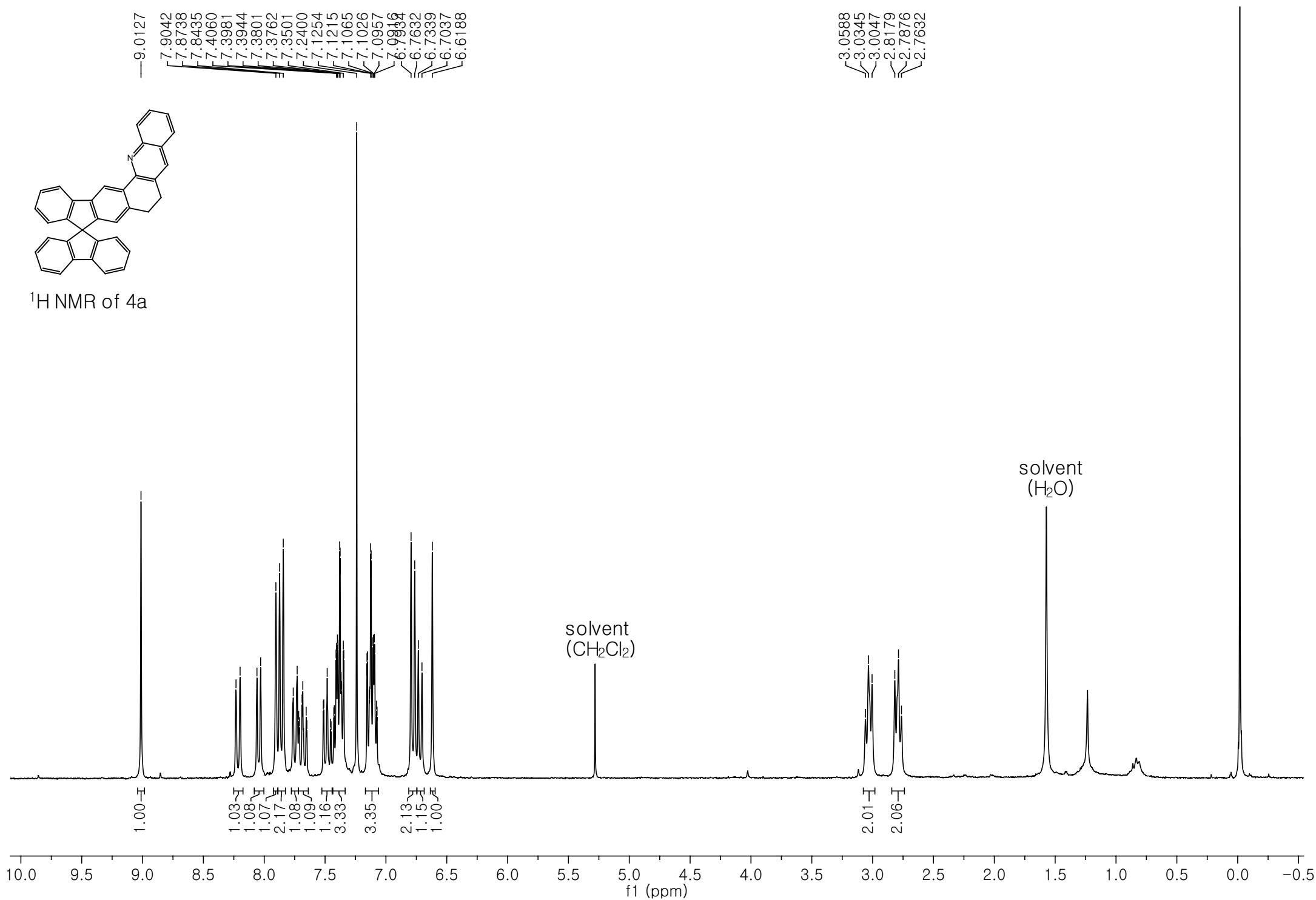
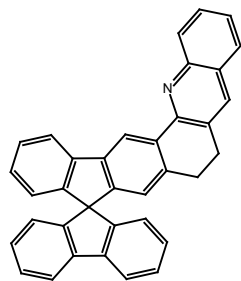


^1H NMR of 4a





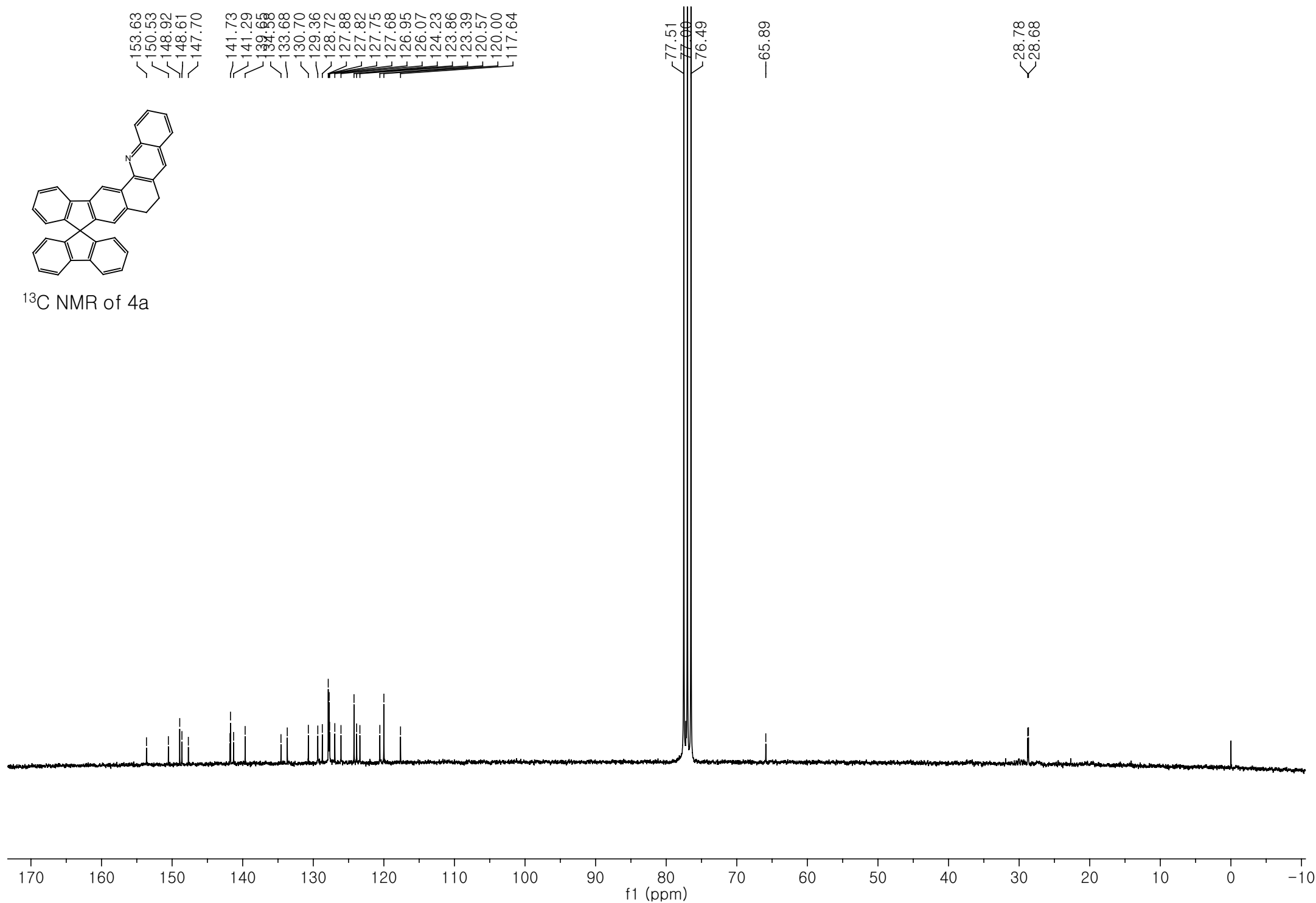
^{13}C NMR of 4a

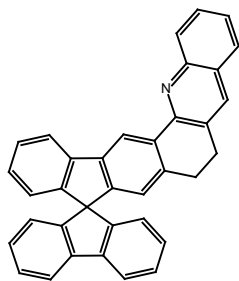
153.63
150.53
148.92
148.61
147.70
141.73
141.29
139.65
134.58
133.68
130.70
129.36
128.72
128.88
127.82
127.75
127.68
126.95
126.07
124.23
123.86
123.39
120.57
120.00
117.64

77.51
77.00
76.49

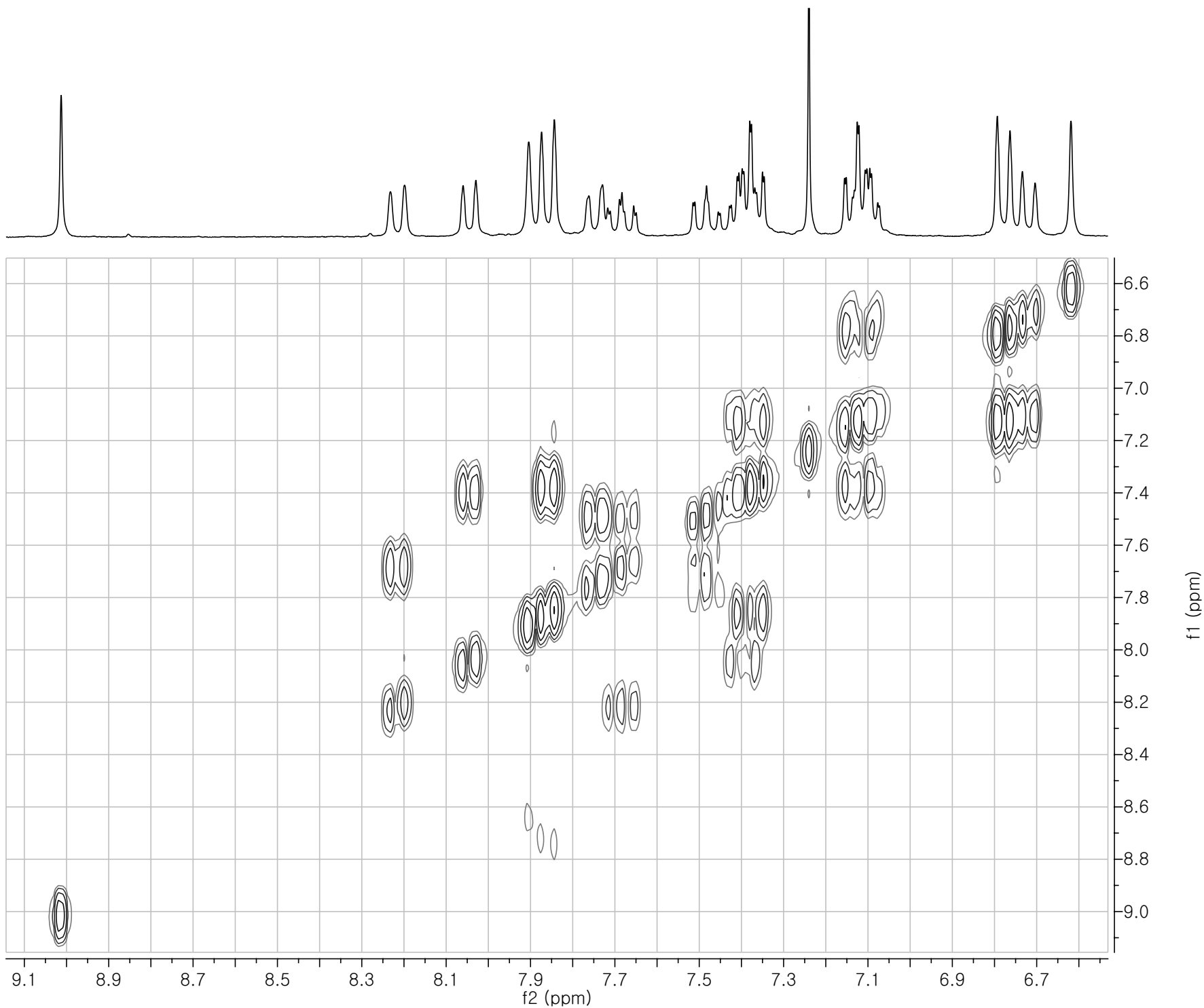
65.89

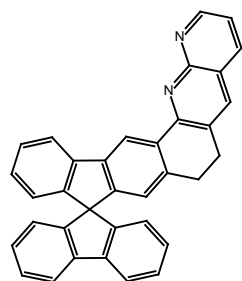
28.78
28.68



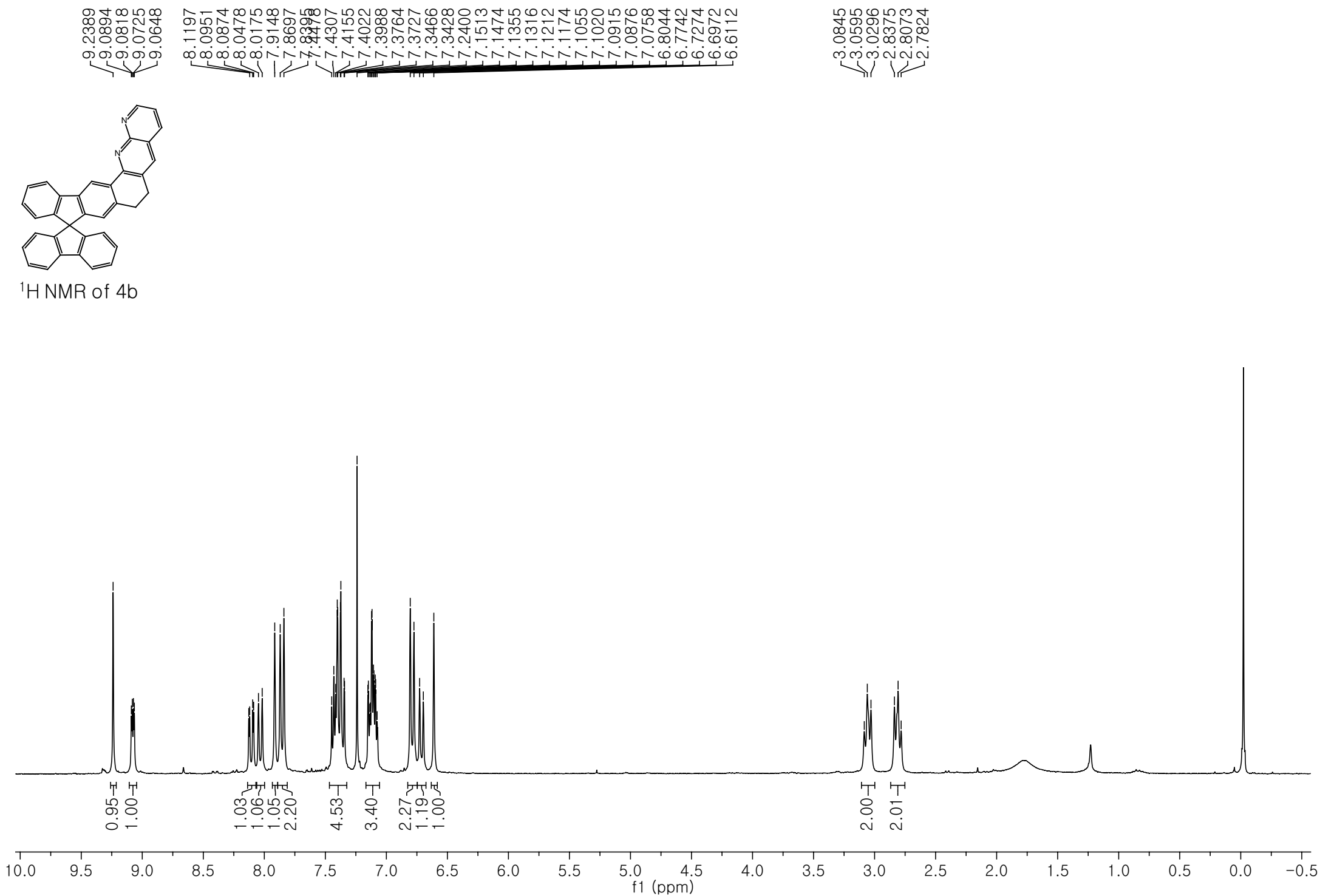


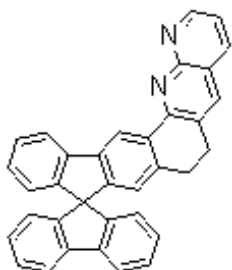
COSY of 4a



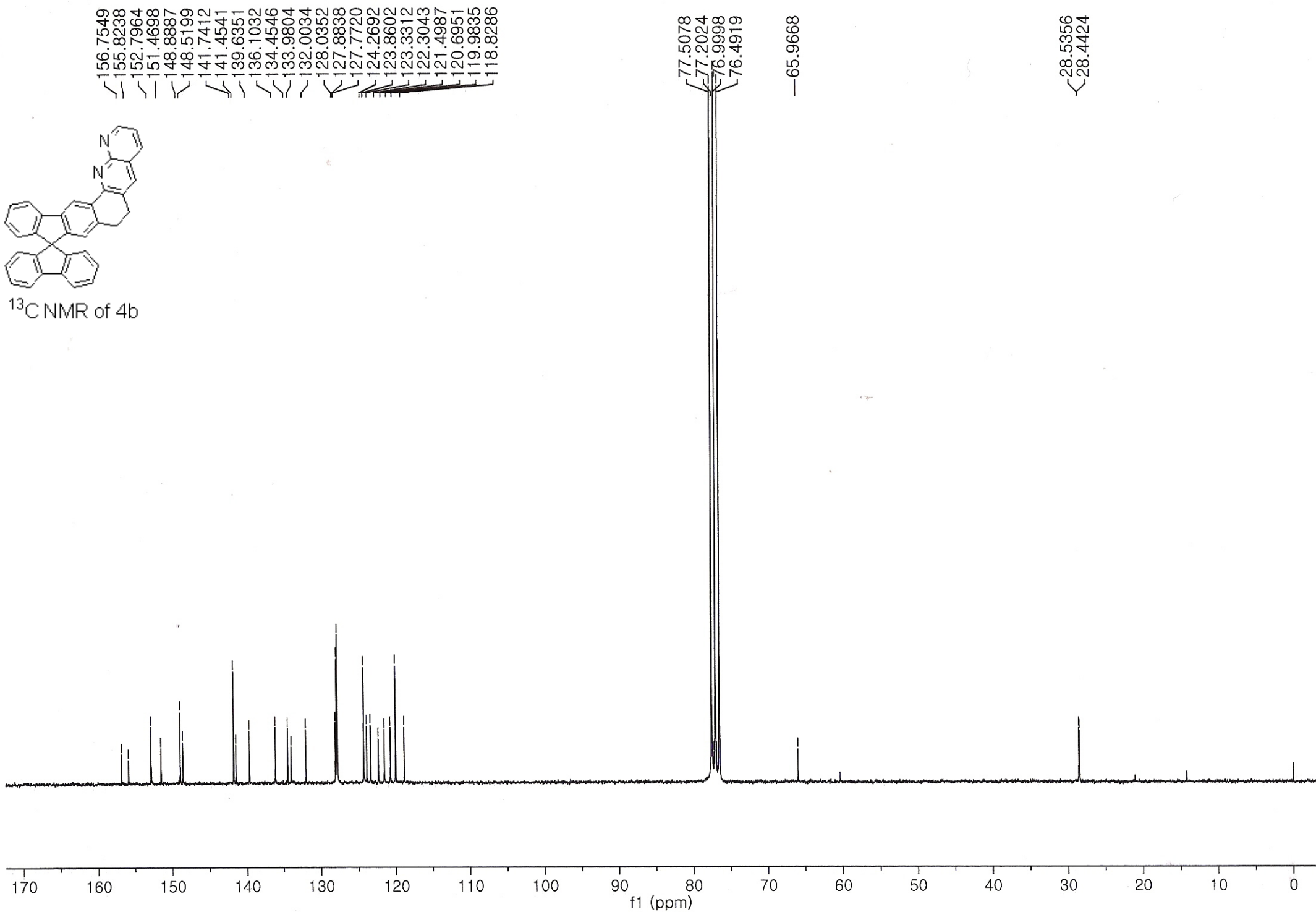


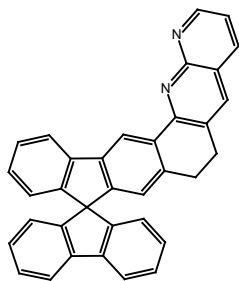
^1H NMR of 4b



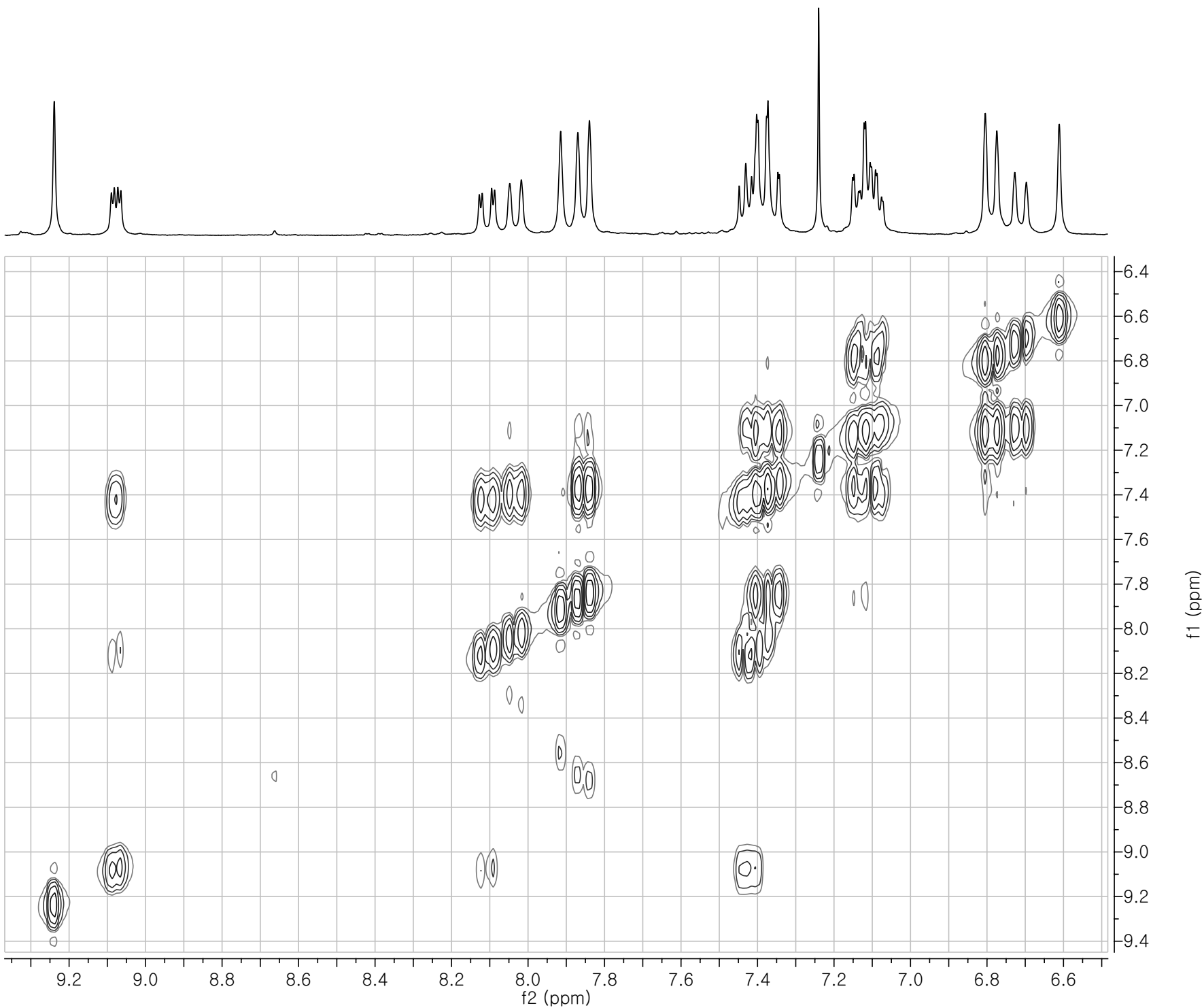


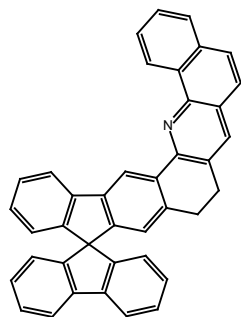
^{13}C NMR of 4b



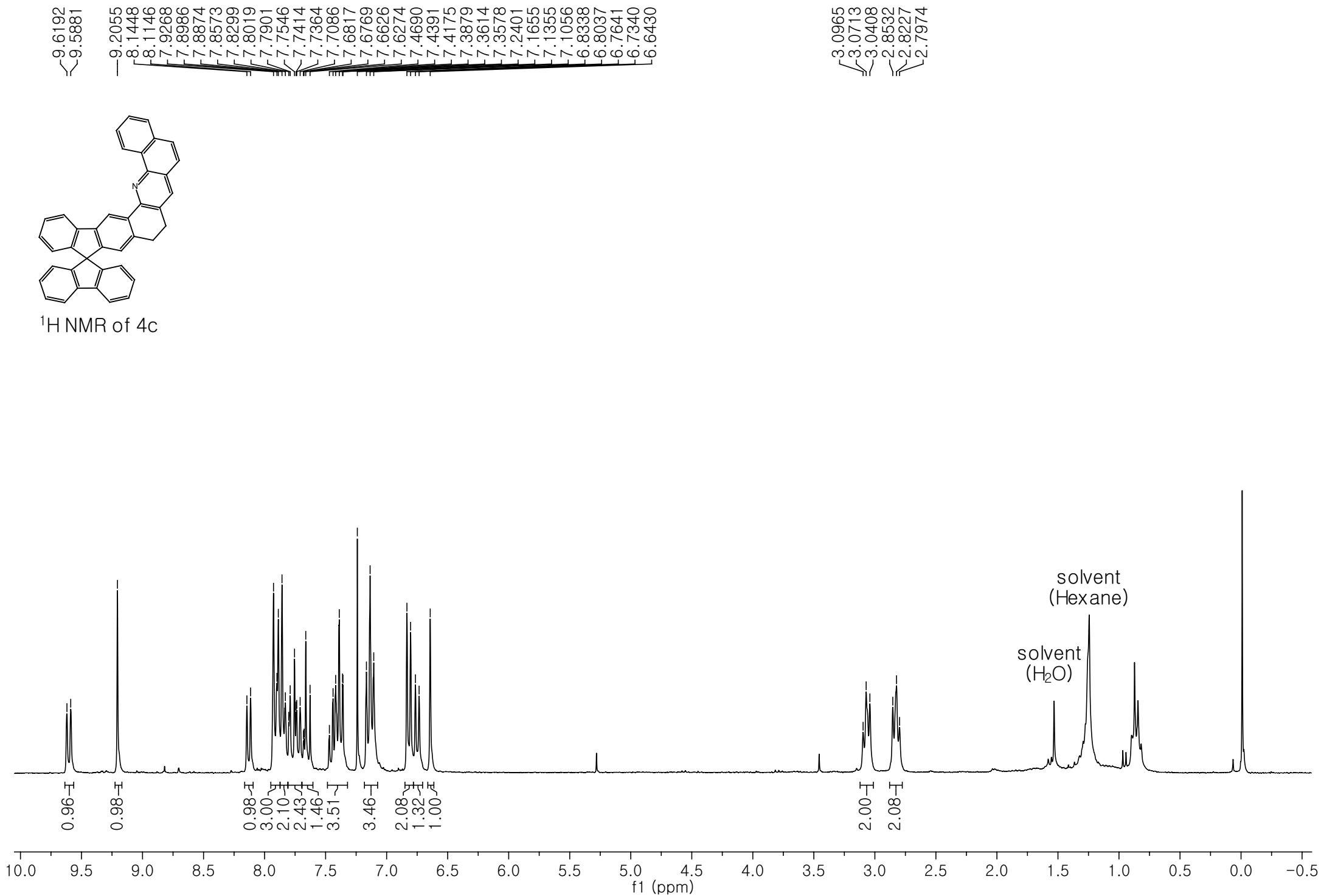


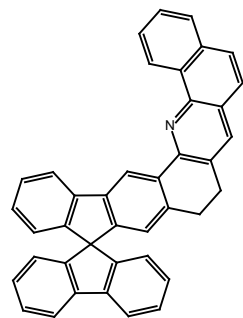
COSY of 4b





^1H NMR of 4c





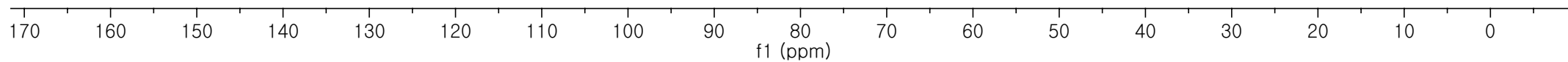
^{13}C NMR of 4c

151.82
150.21
148.94
148.64
145.22
141.88
141.72
141.17
139.31
134.98
134.12
133.50
131.80
130.95
127.87
127.83
127.74
127.68
127.23
126.84
125.71
125.01
124.49
124.24
123.92
123.41
120.38
120.00
117.42

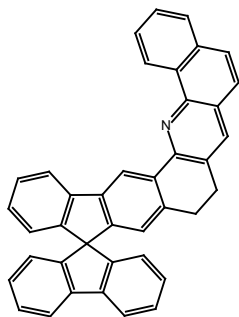
77.51
77.00
76.49

65.86

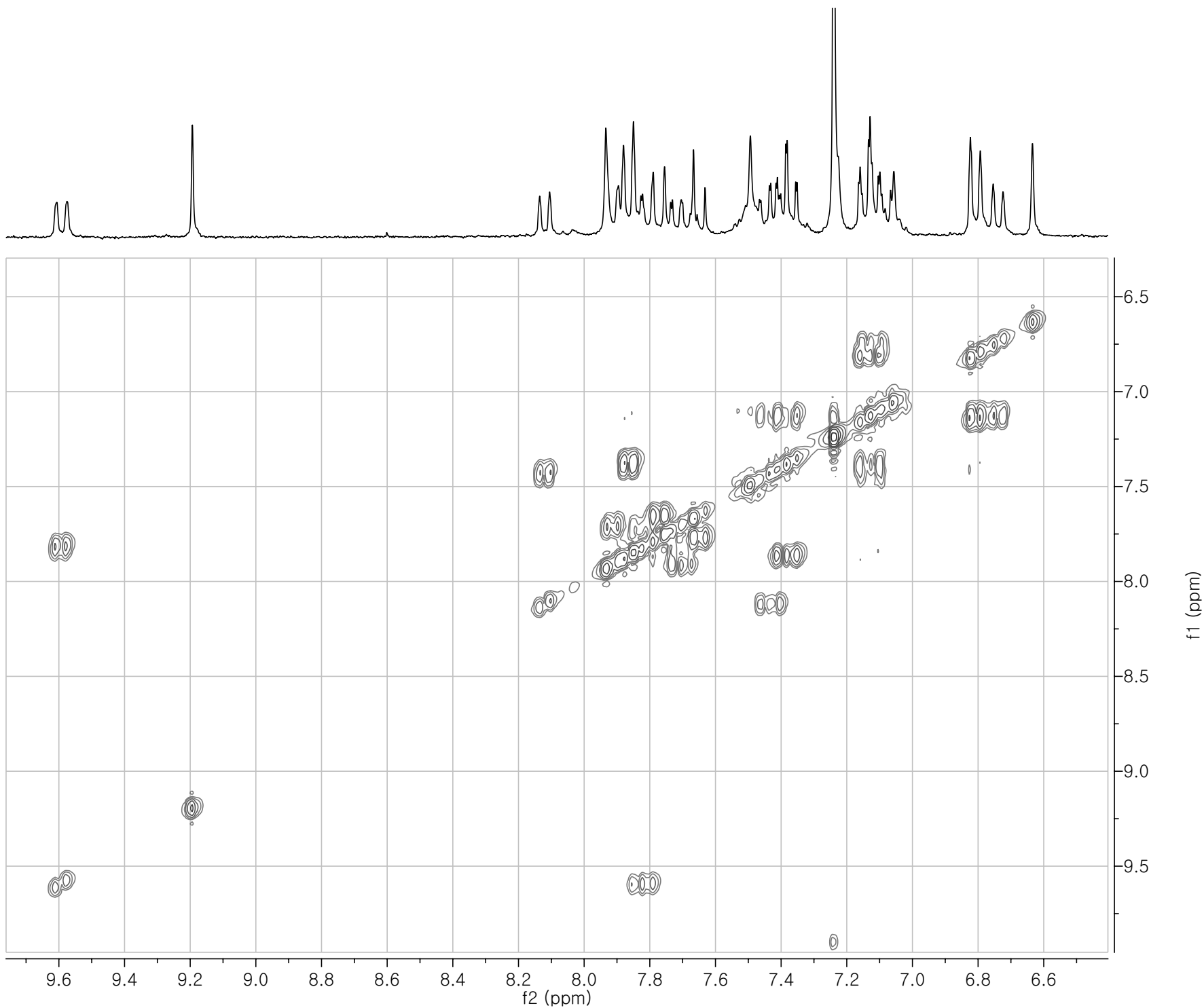
28.62
28.42

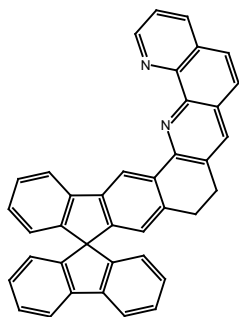


solvent
(Hexane)

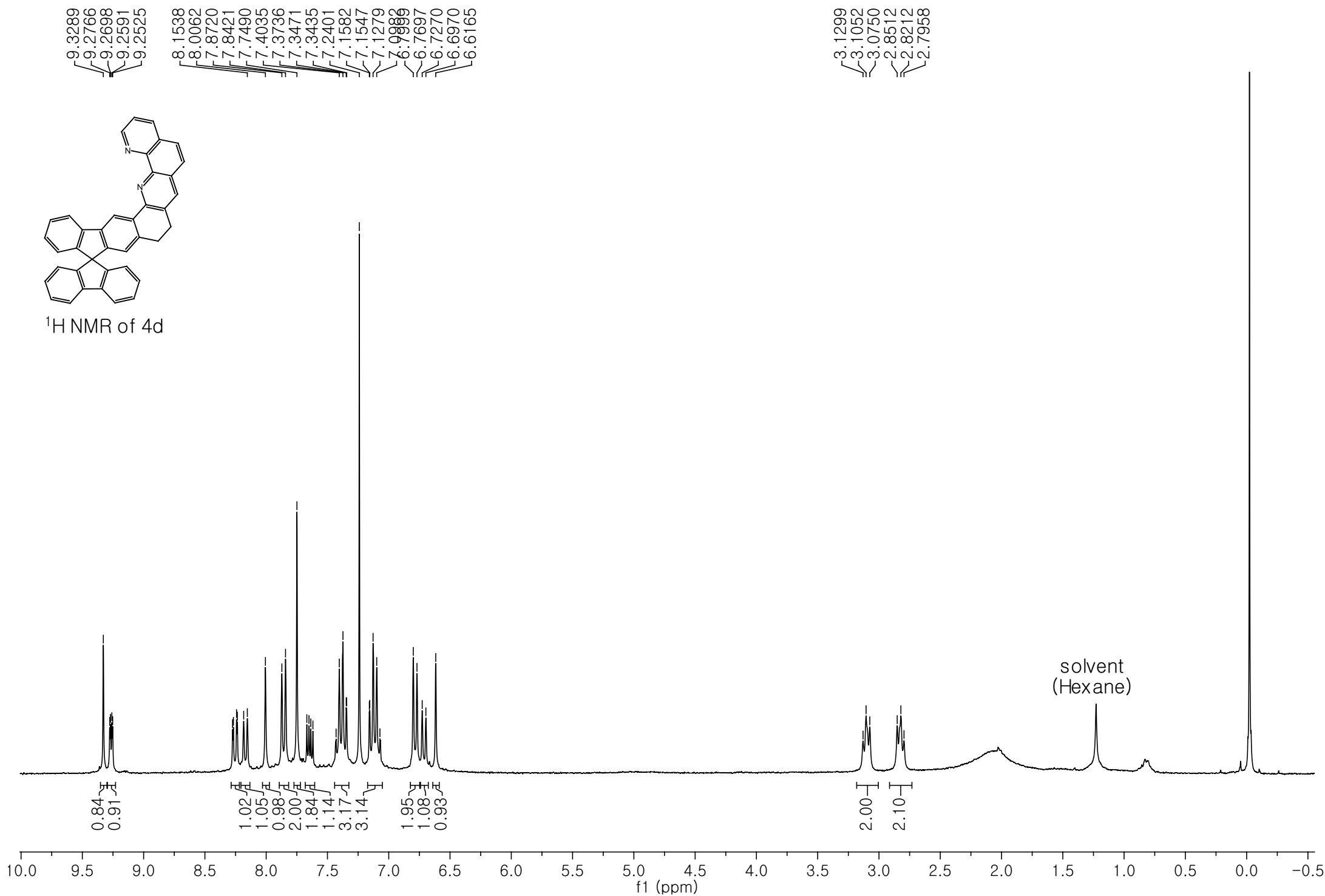


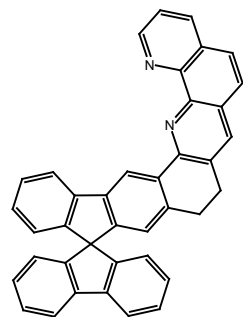
COSY of 4c



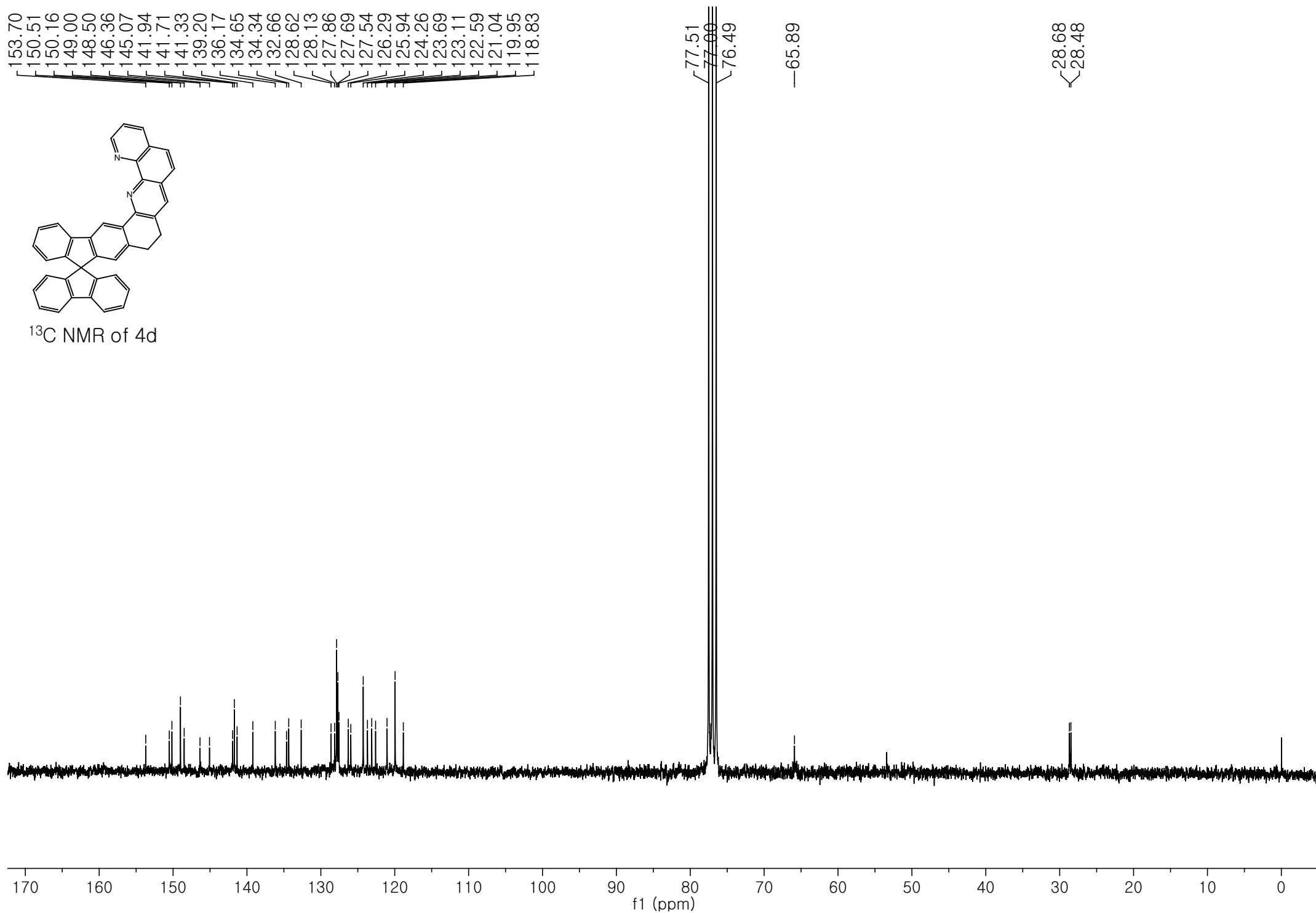


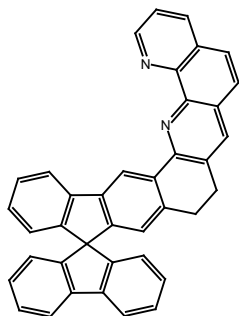
^1H NMR of 4d



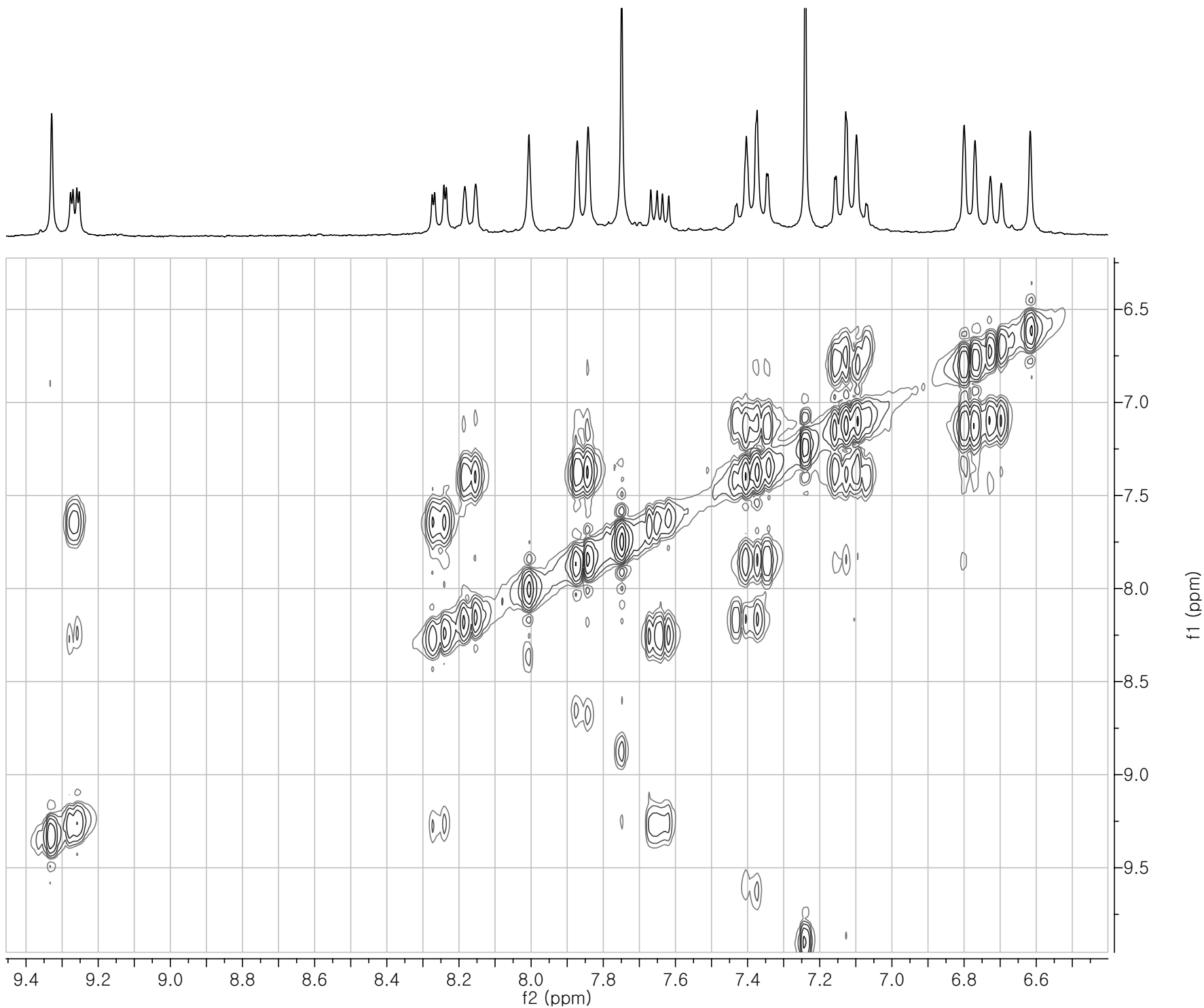


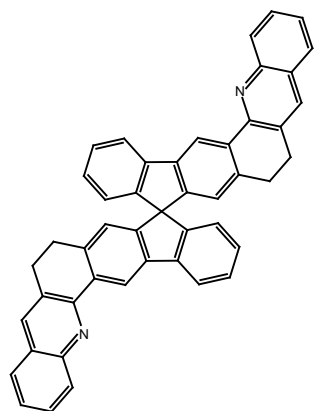
^{13}C NMR of 4d





COSY of 4d

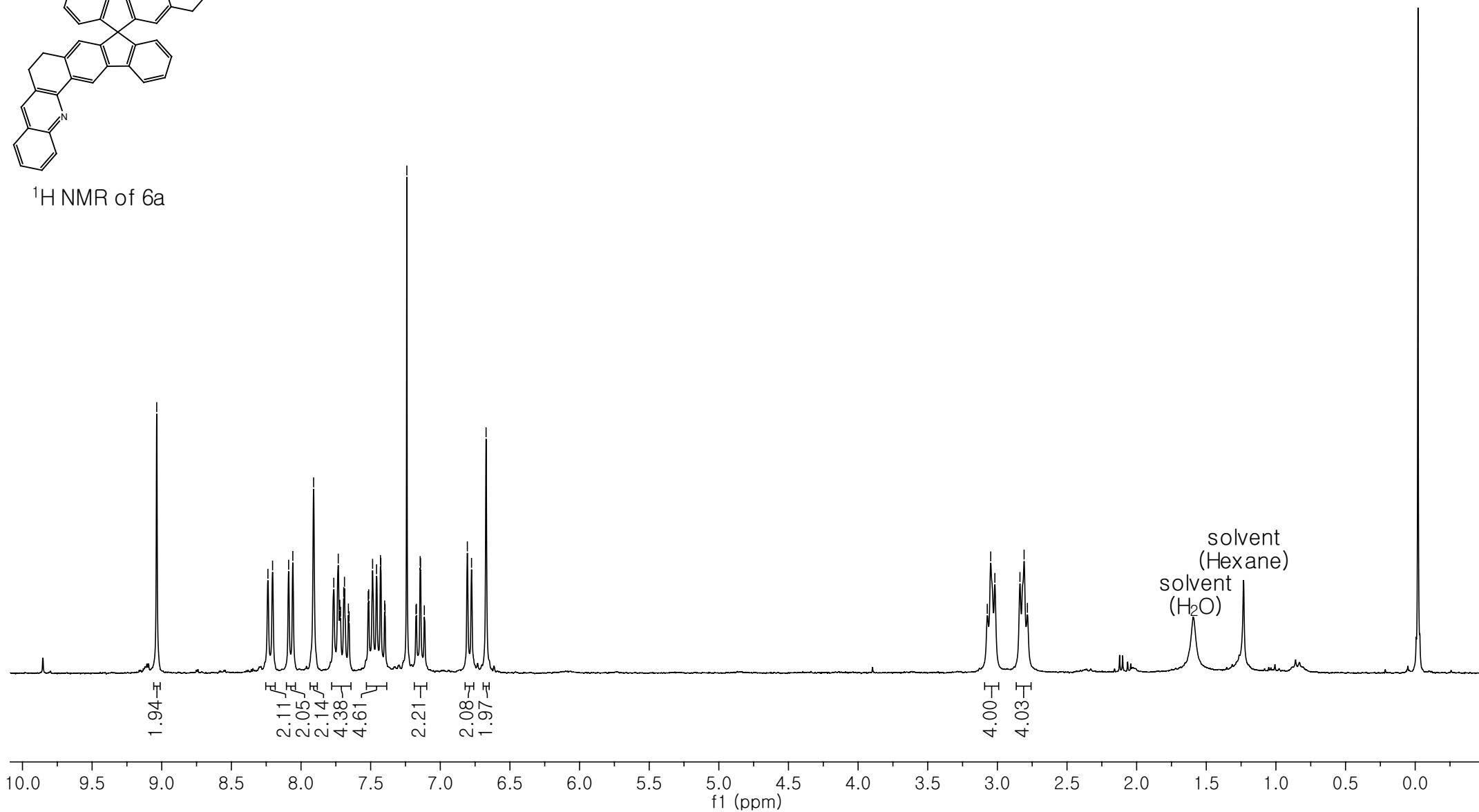


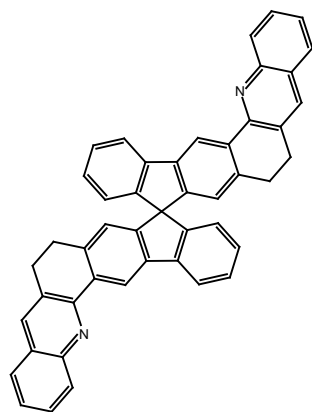


¹H NMR of 6a

— 9.0360
 8.2376
 8.2042
 8.0889
 8.0588
 7.9096
 7.7326
 7.6879
 7.4859
 7.4577
 7.4294
 7.4269
 7.2401
 7.1443
 7.1417
 6.8056
 6.7756
 6.6711

3.0725
 3.0478
 3.0180
 2.8379
 2.8081
 2.7844





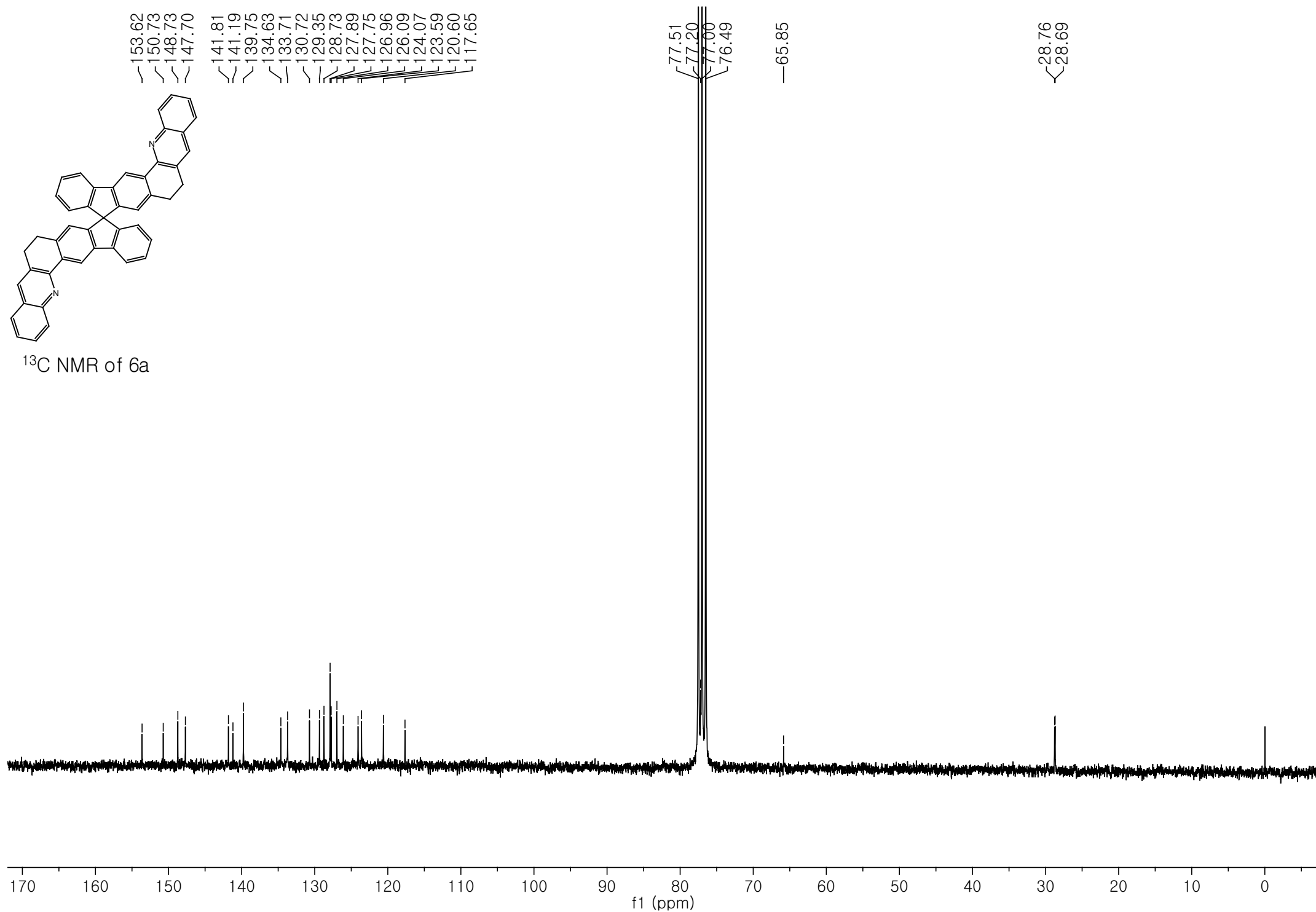
^{13}C NMR of 6a

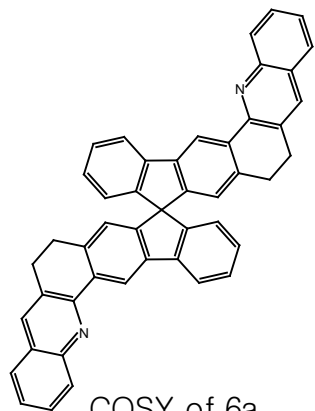
$\sim$ 153.62
 $\sim$ 150.73
 $\sim$ 148.73
 $\sim$ 147.70
 $\sim$ 141.81
 $\sim$ 141.19
 $\sim$ 139.75
 $\sim$ 134.63
 $\sim$ 133.71
 $\sim$ 130.72
 $\sim$ 129.35
 $\sim$ 128.73
 $\sim$ 127.89
 $\sim$ 127.75
 $\sim$ 126.96
 $\sim$ 126.09
 $\sim$ 124.07
 $\sim$ 123.59
 $\sim$ 120.60
 $\sim$ 117.65

$\sim$ 77.51
 $\sim$ 77.20
 $\sim$ 77.00
 $\sim$ 76.49

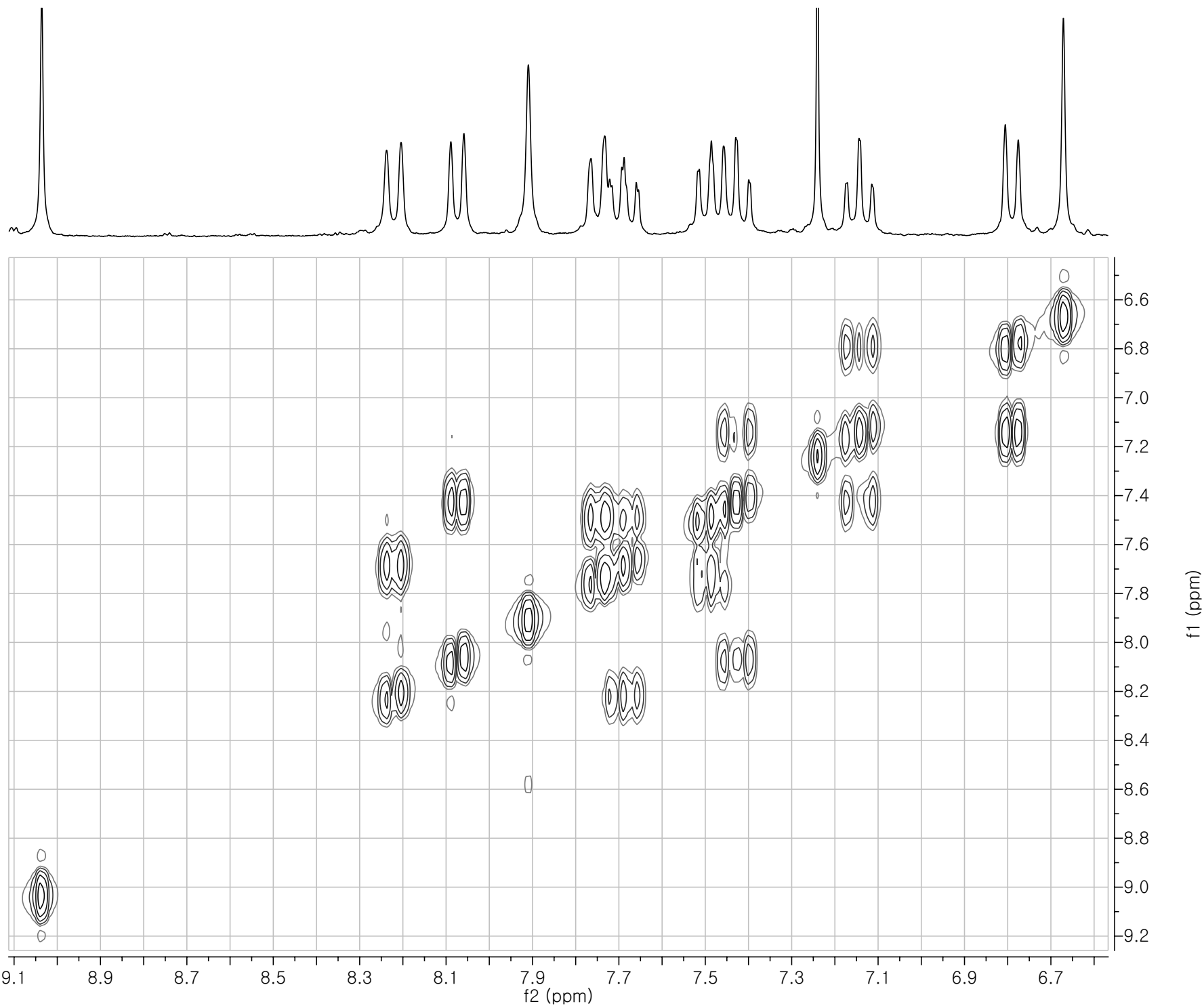
$\sim$ 65.85

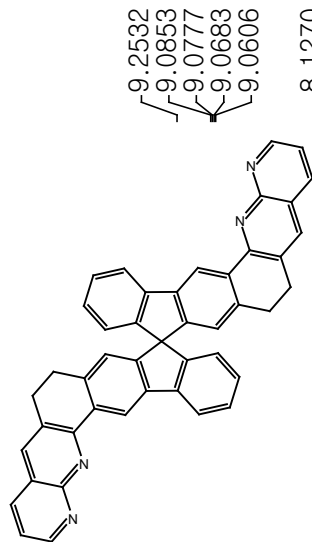
$\sim$ 28.76
 $\sim$ 28.69



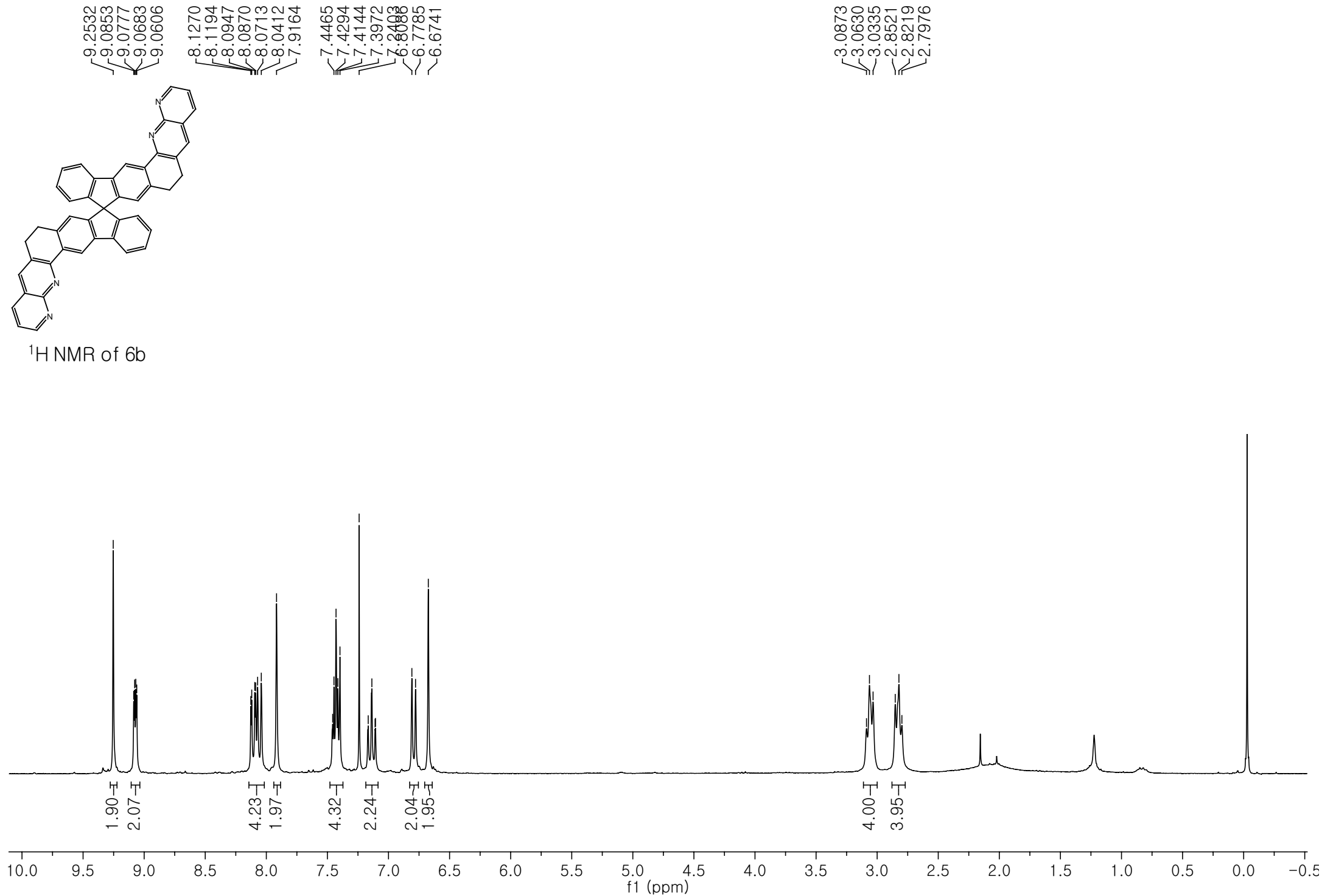


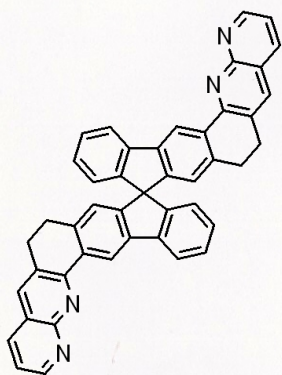
COSY of 6a



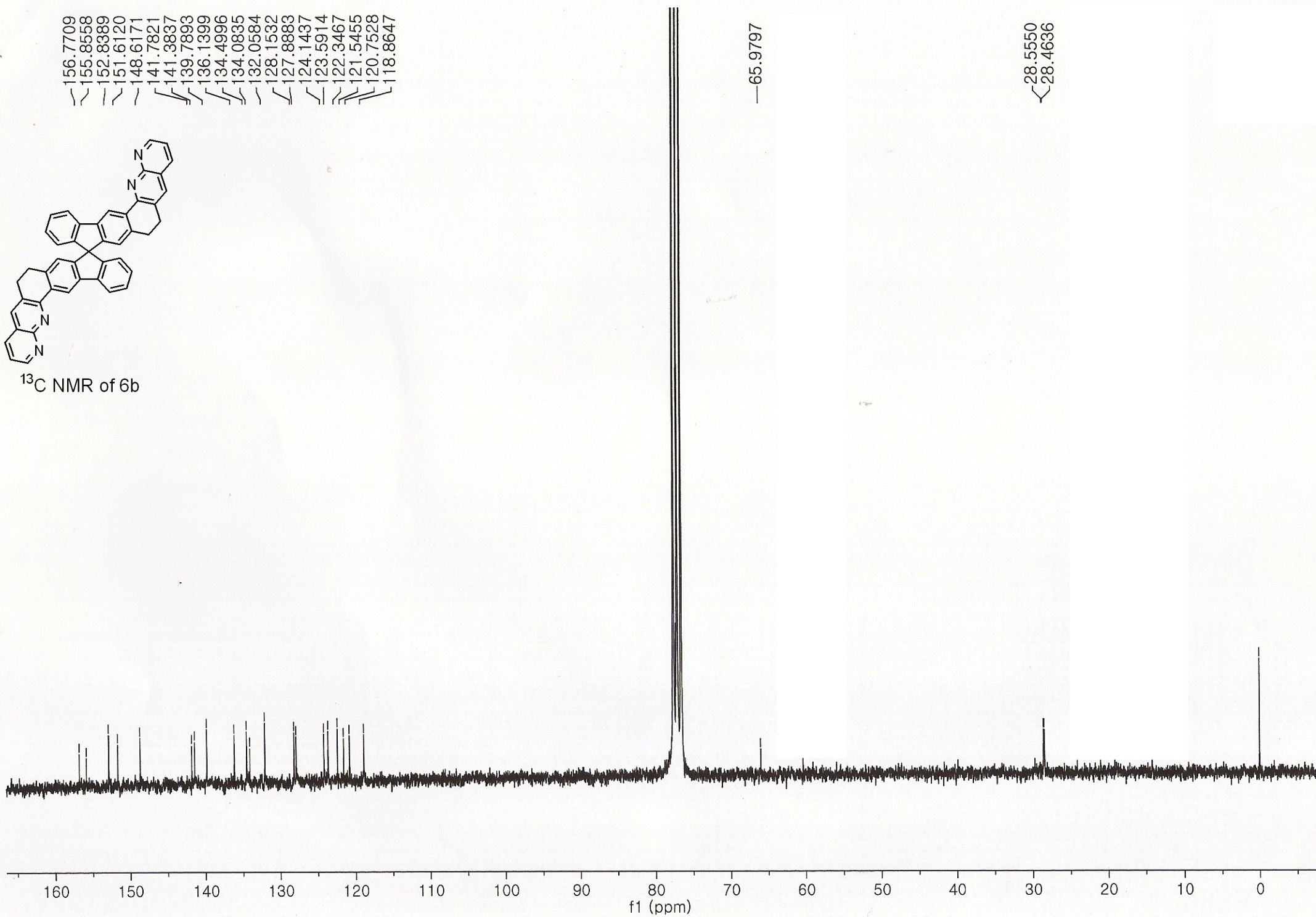


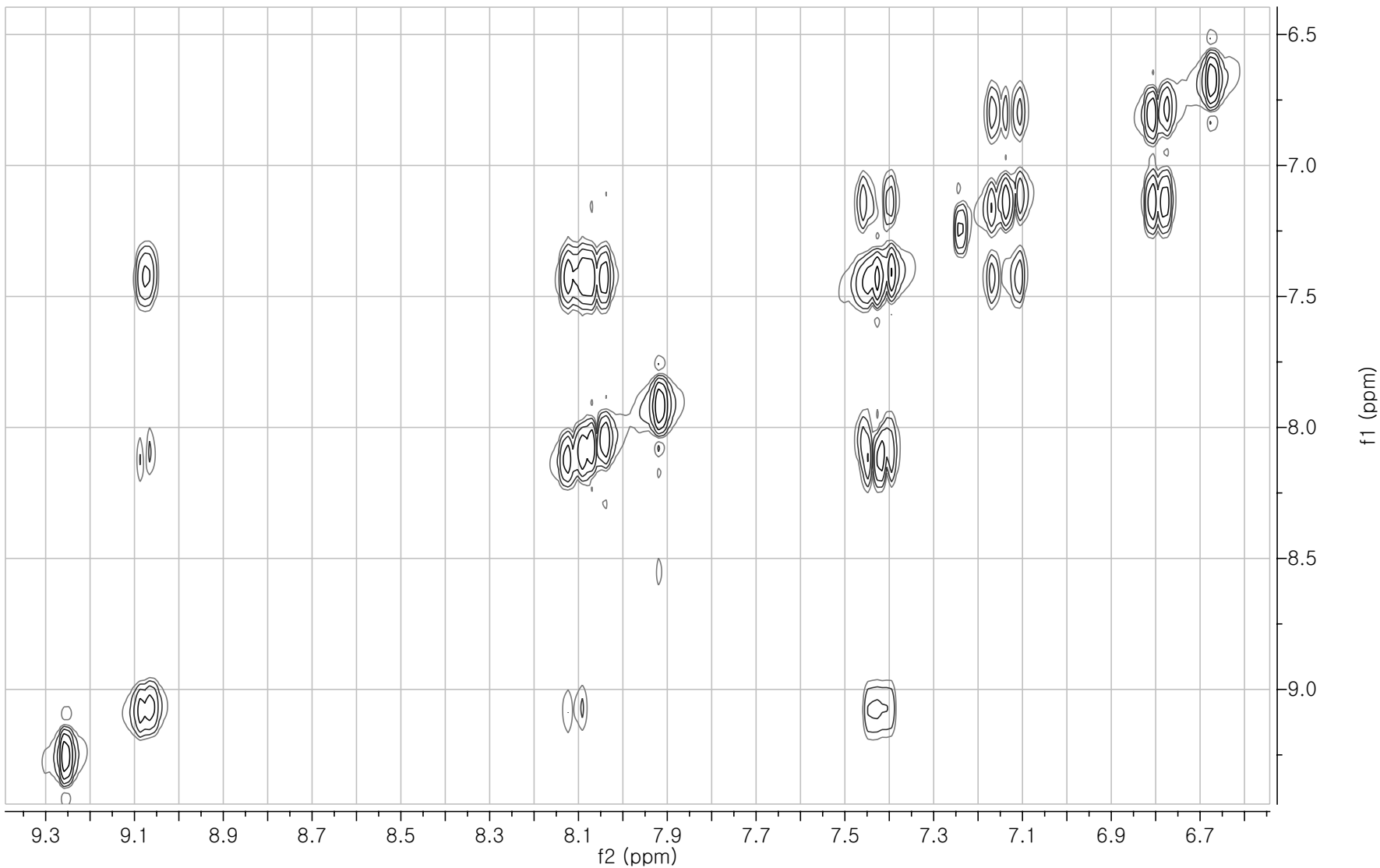
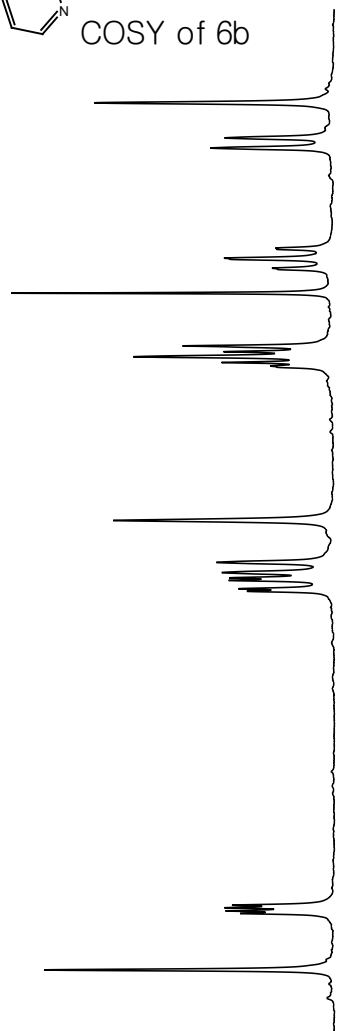
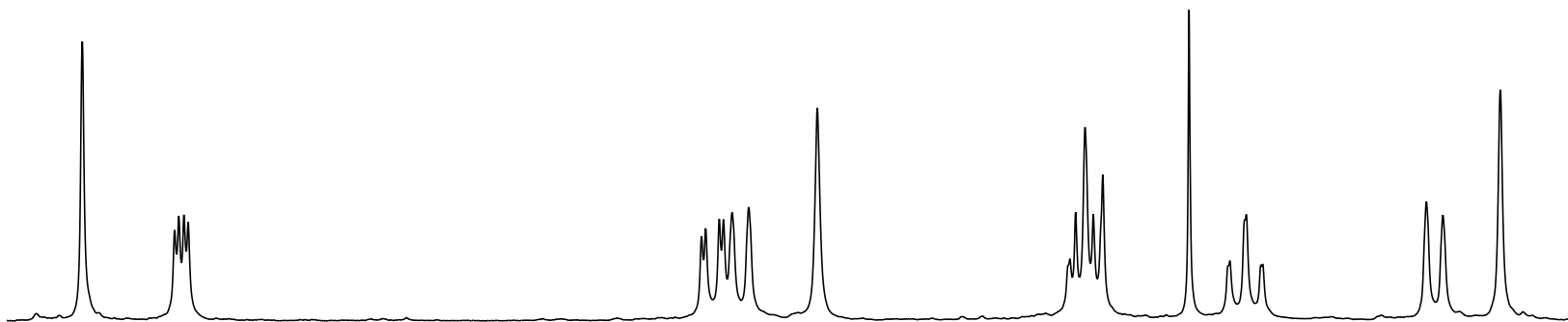
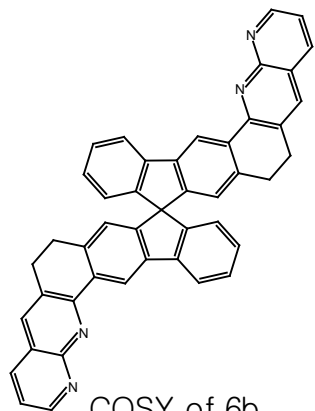
¹H NMR of 6b

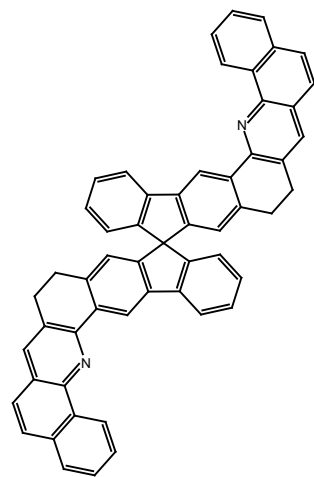




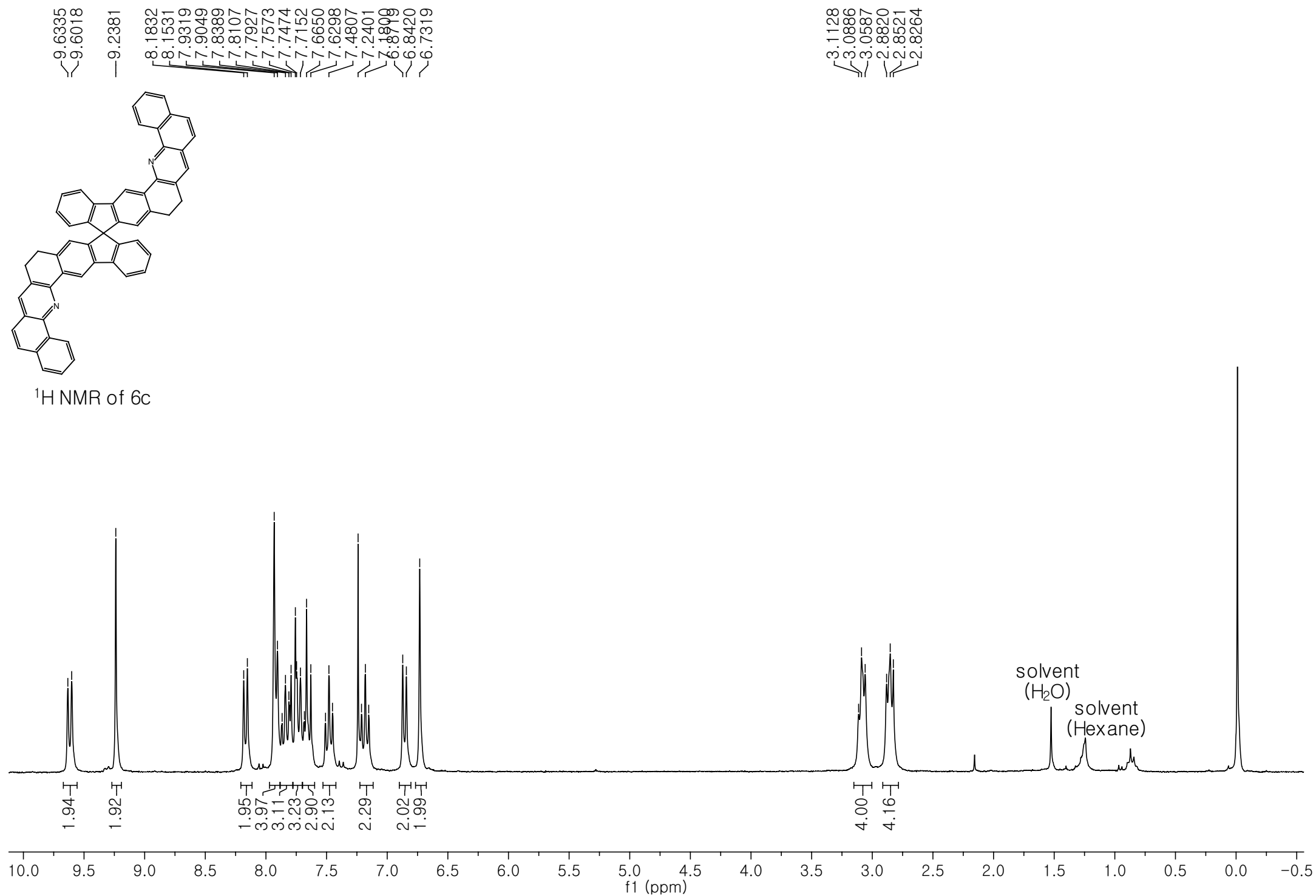
^{13}C NMR of 6b

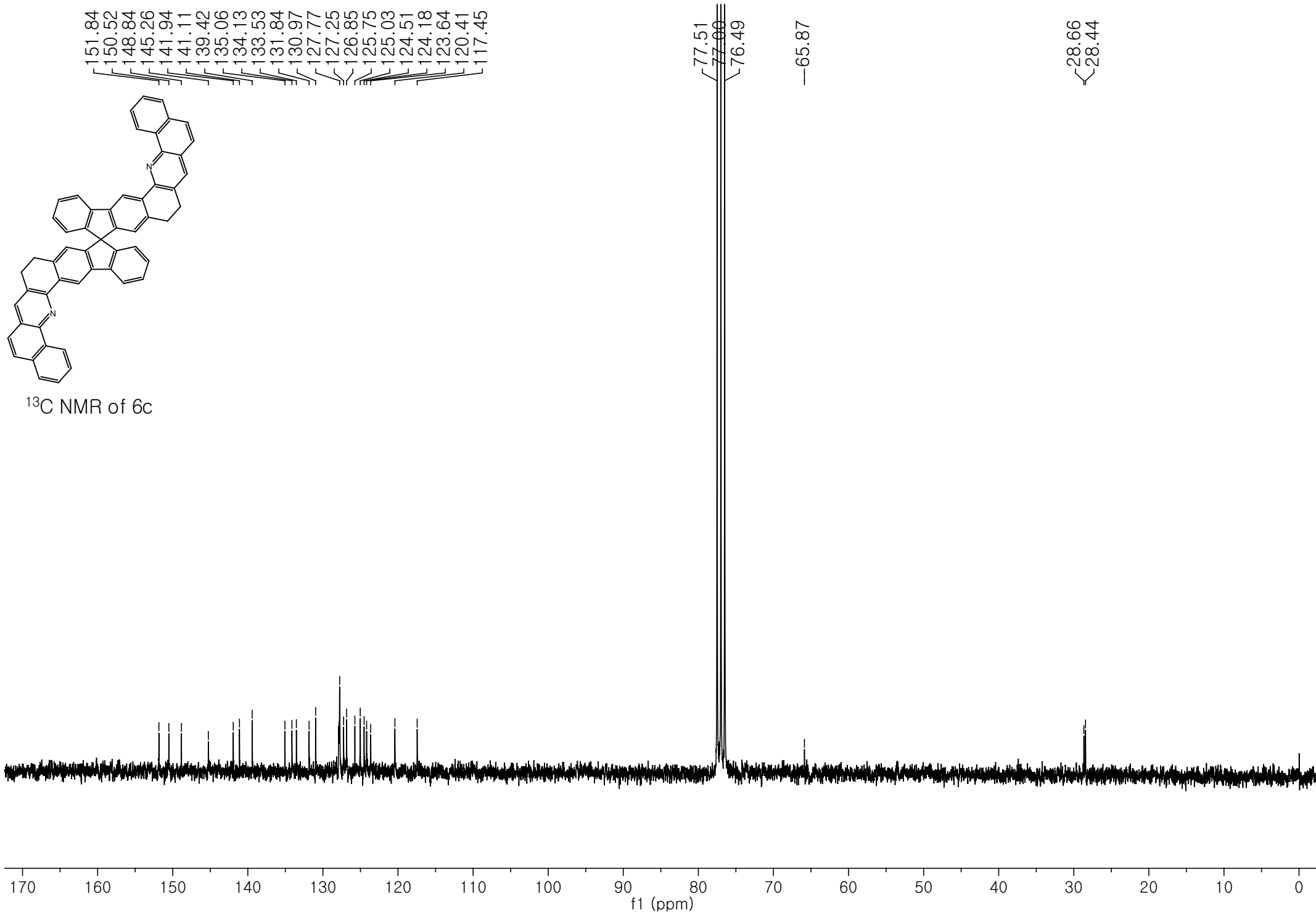


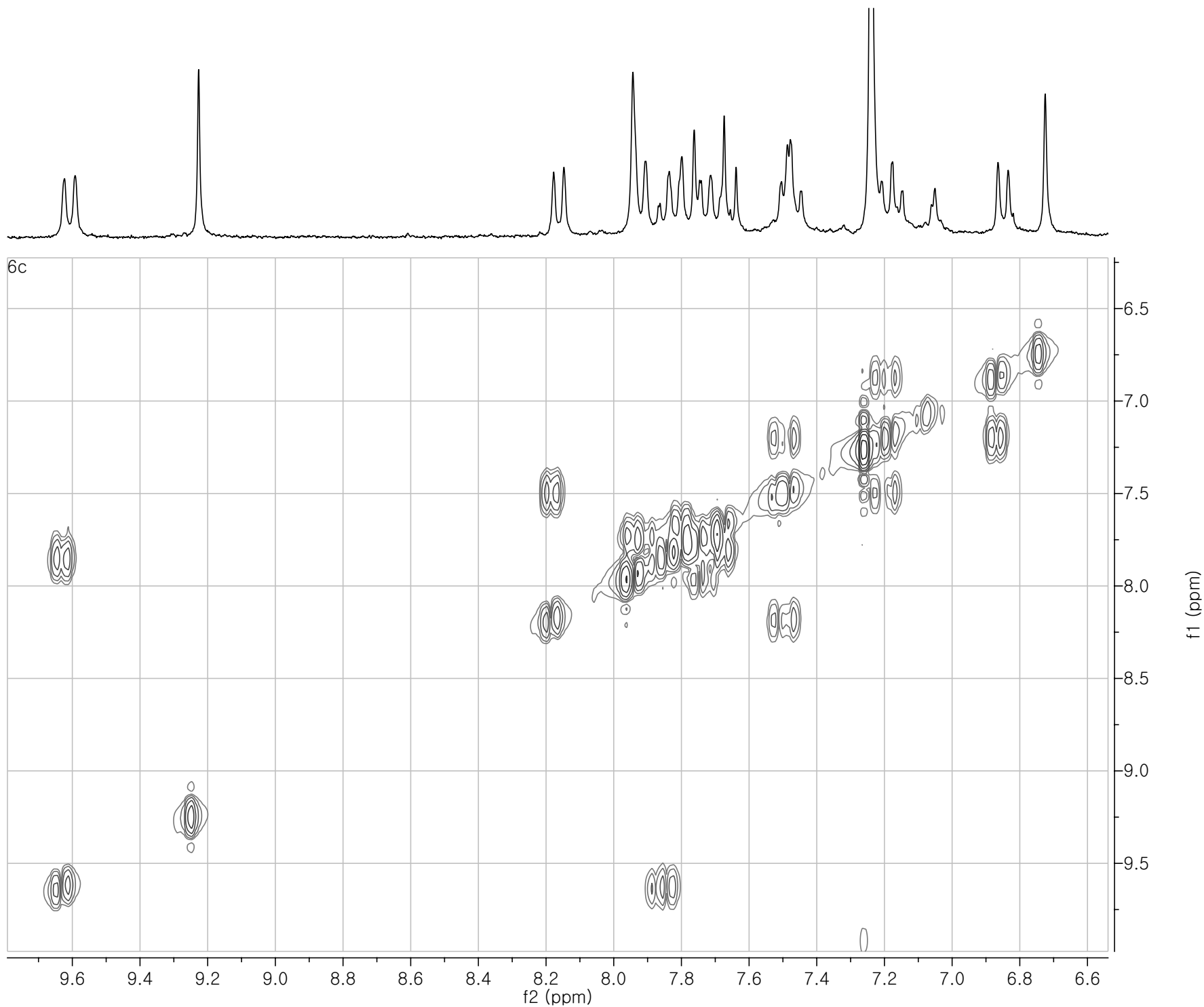
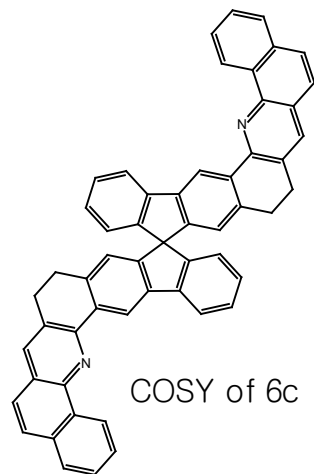


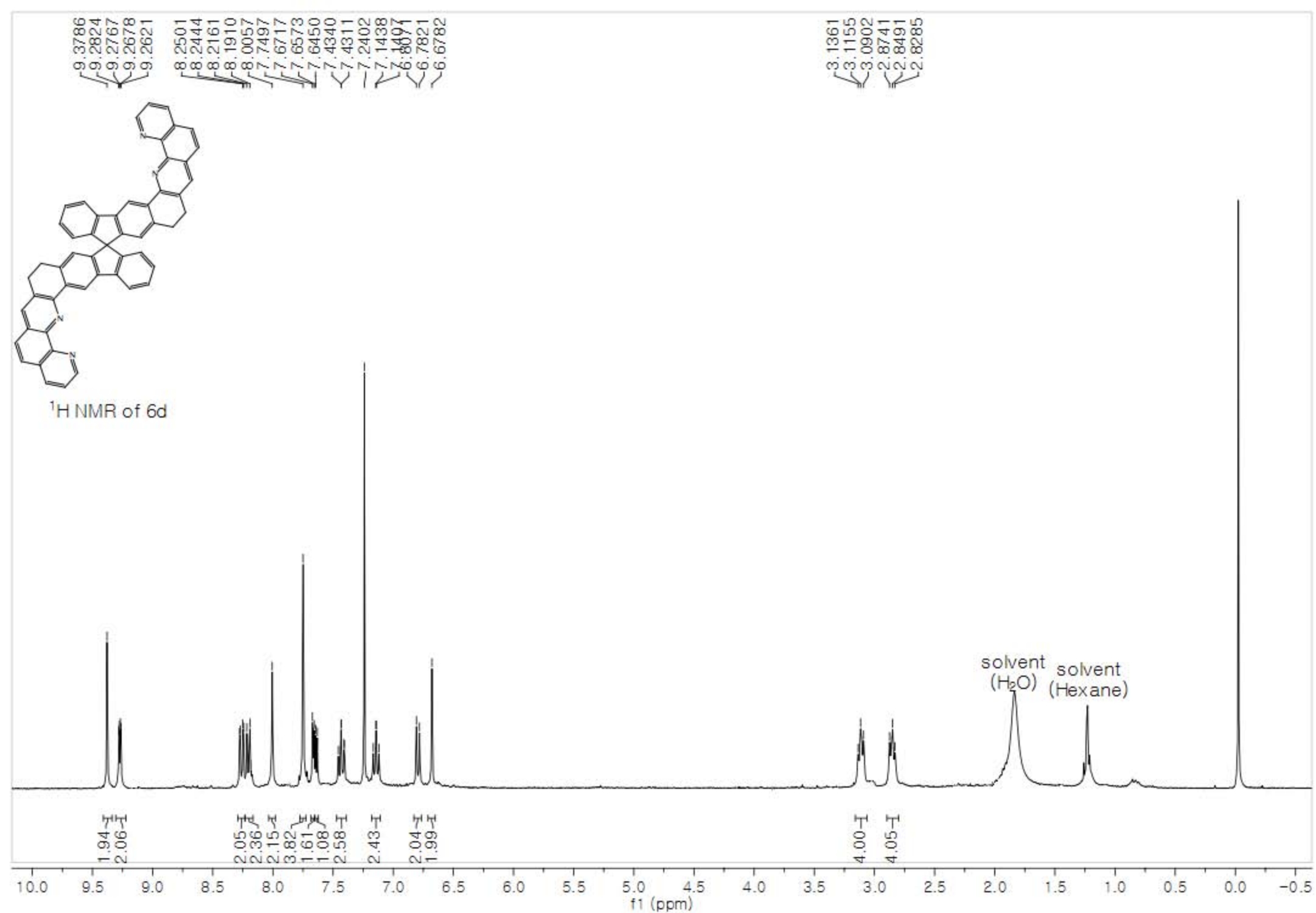


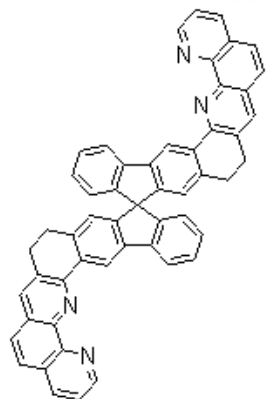
^1H NMR of 6c



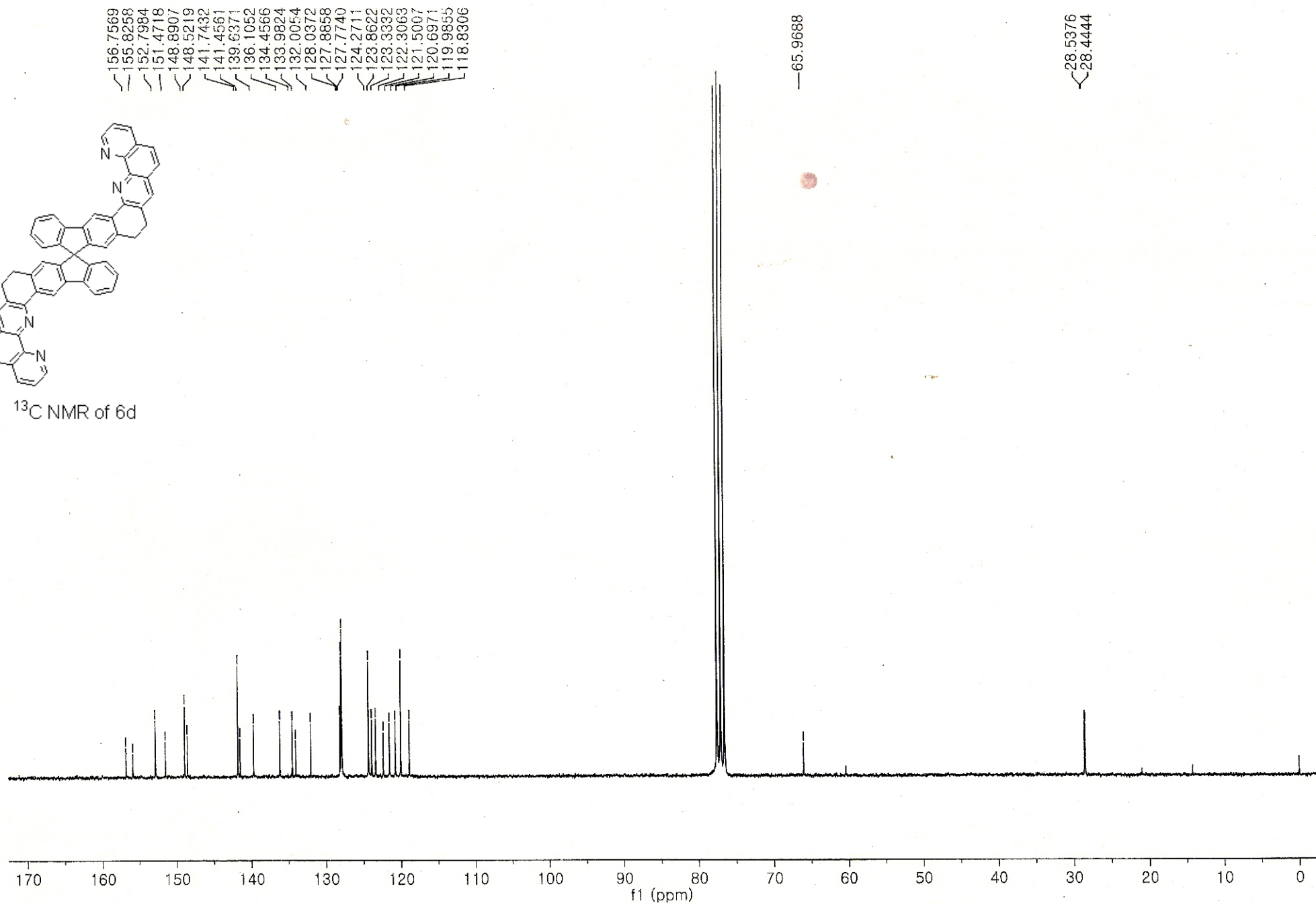


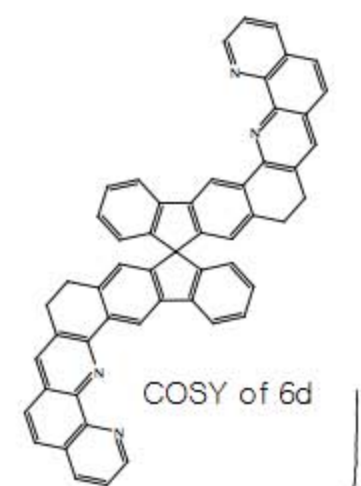






^{13}C NMR of 6d





COSY of 6d

