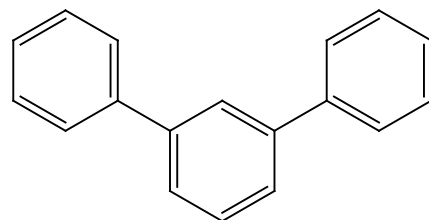


Supporting Information

Metal-free and Solvent-free Synthesis of *m*-Terphenyls through Tandem Cyclocondensation of Aryl Methyl Ketones with Triethyl Orthoformate

Xiaoqin Xiao,^a Juan Luo,^a Zongjie Gan,^a Wengao Jiang^a and Qiang Tang

College of Pharmacy, Center for Lab Teaching and Management, Chongqing Research Center for Pharmaceutical Engineering; Chongqing Medical University, No.1 Yixueyuan Road, Chongqing 400016, P. R. China.



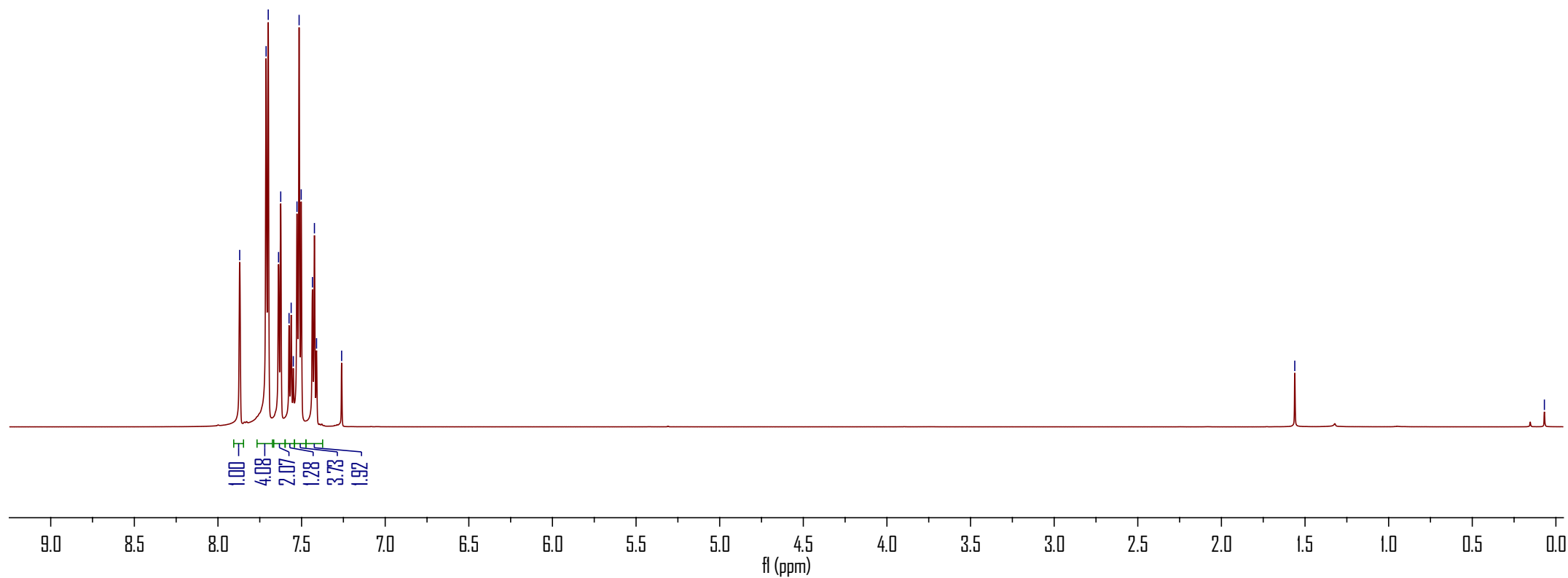
3 a

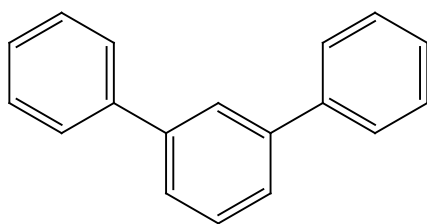
7.87
7.51
7.41
7.26

1.56

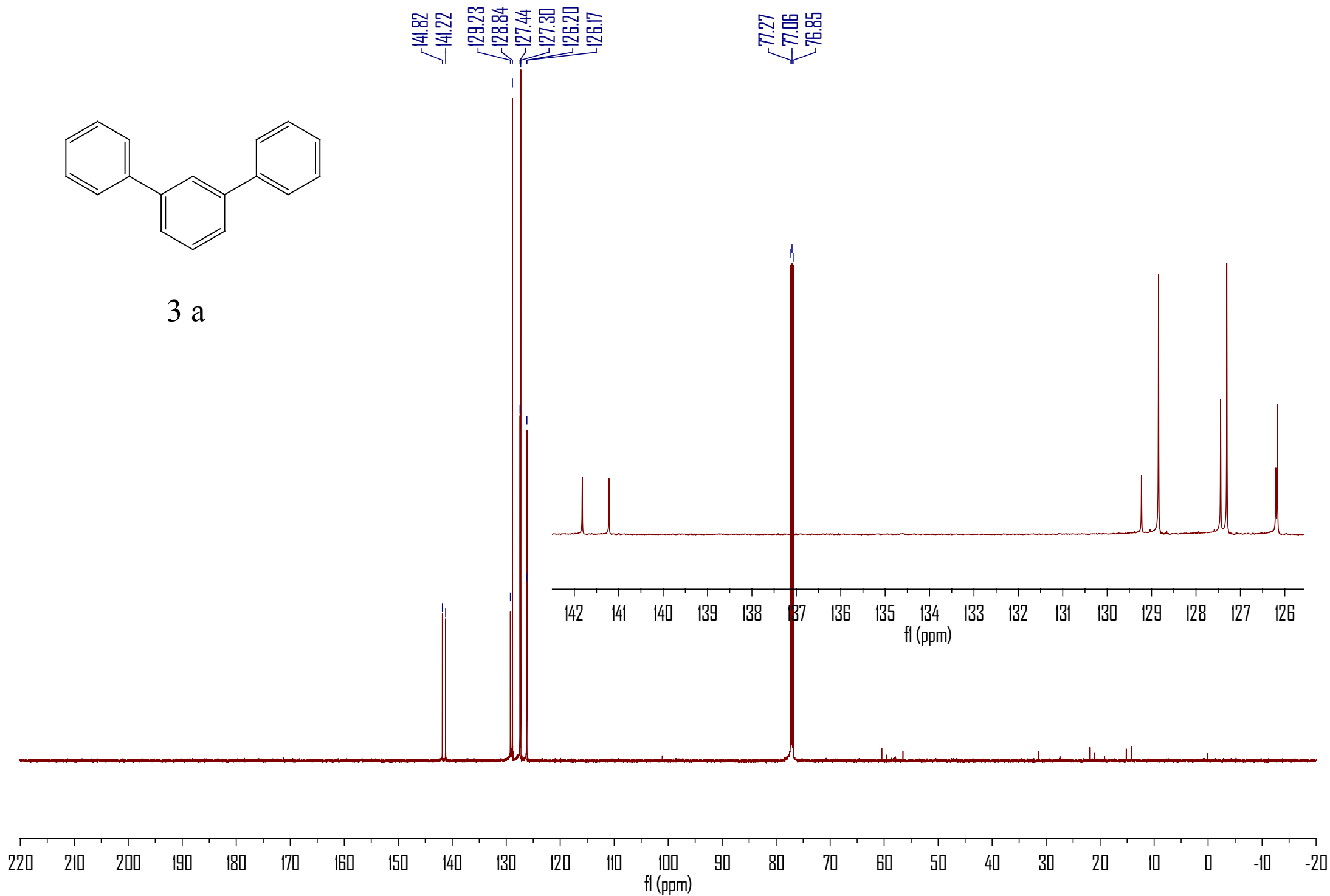
0.0

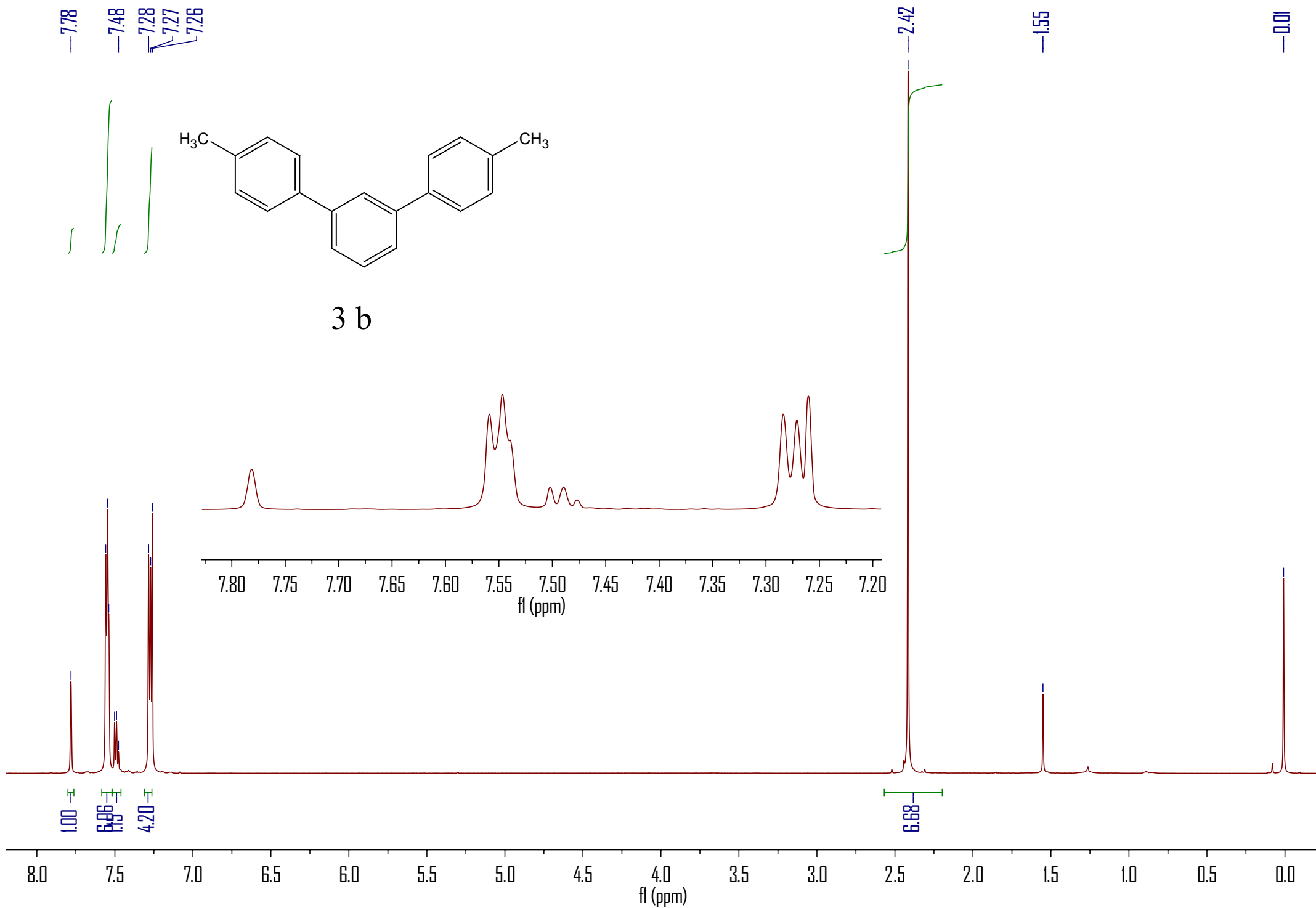
1.00
4.08
2.07
1.28
3.73
1.92

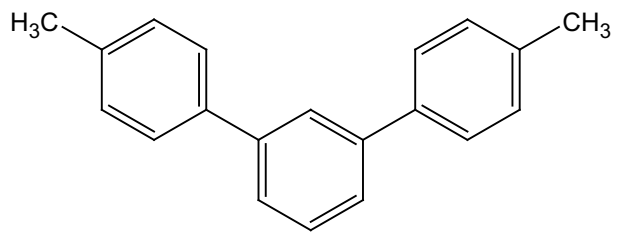




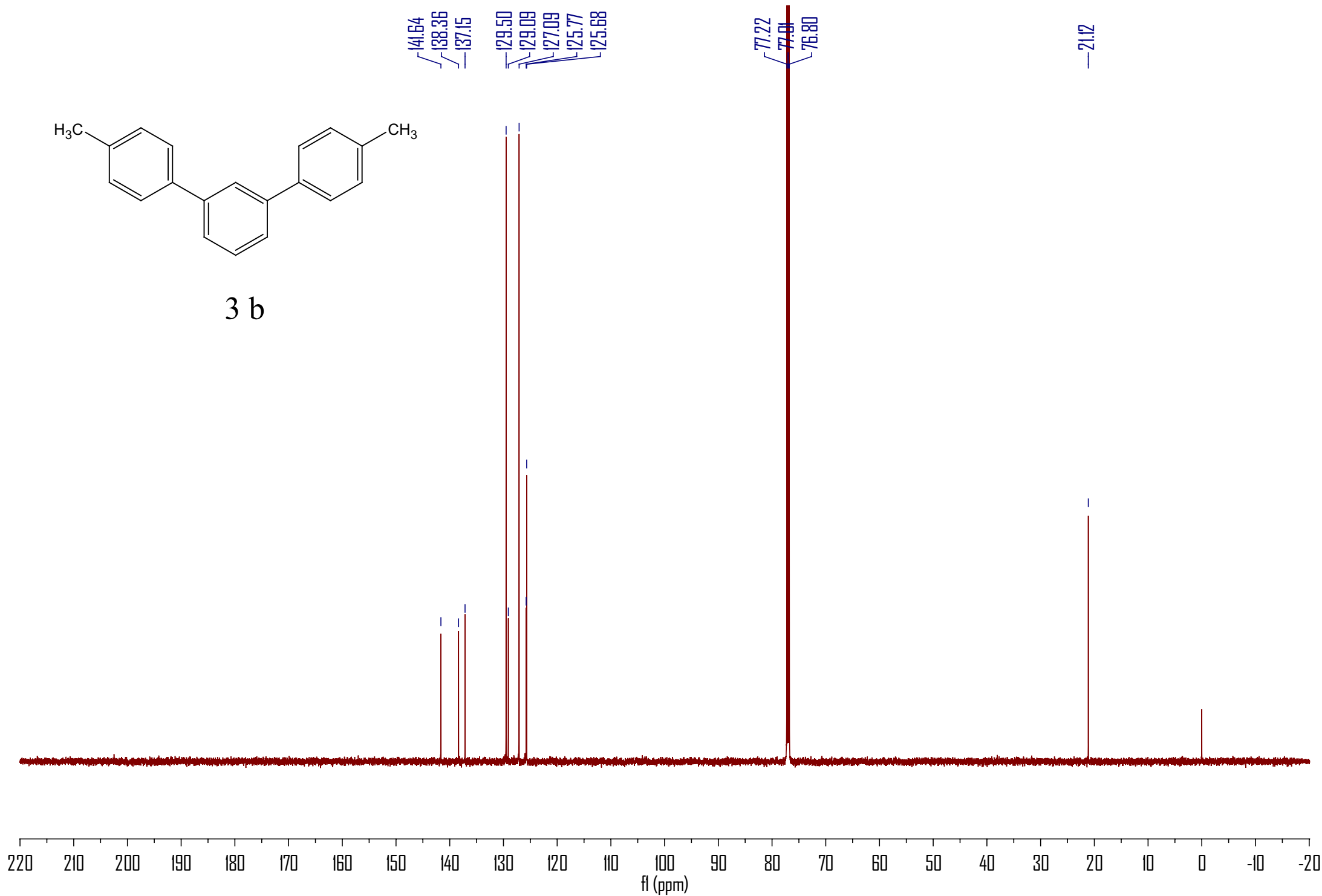
3 a

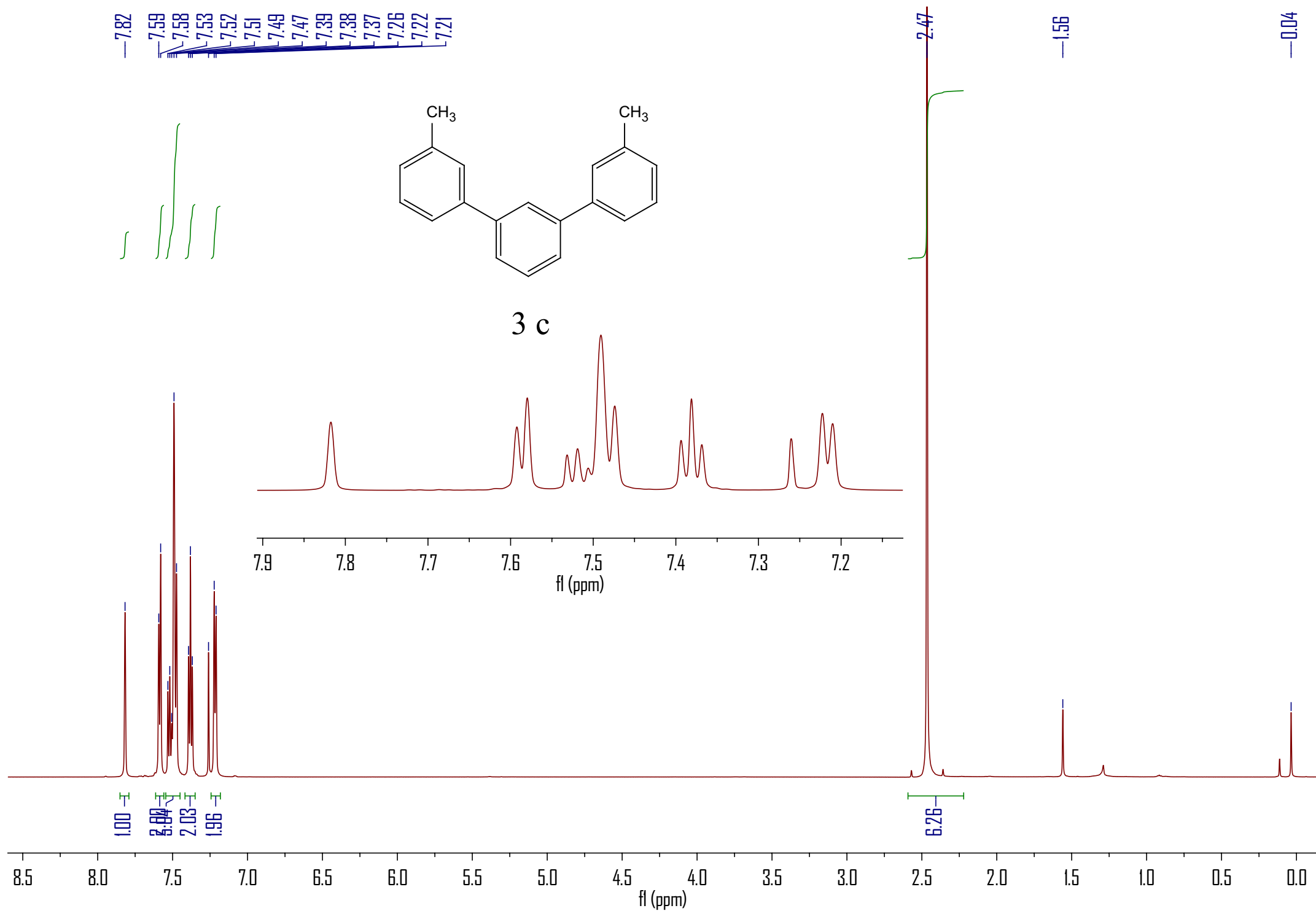


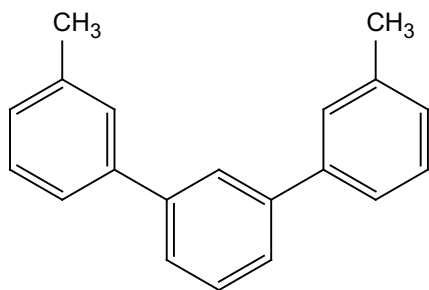




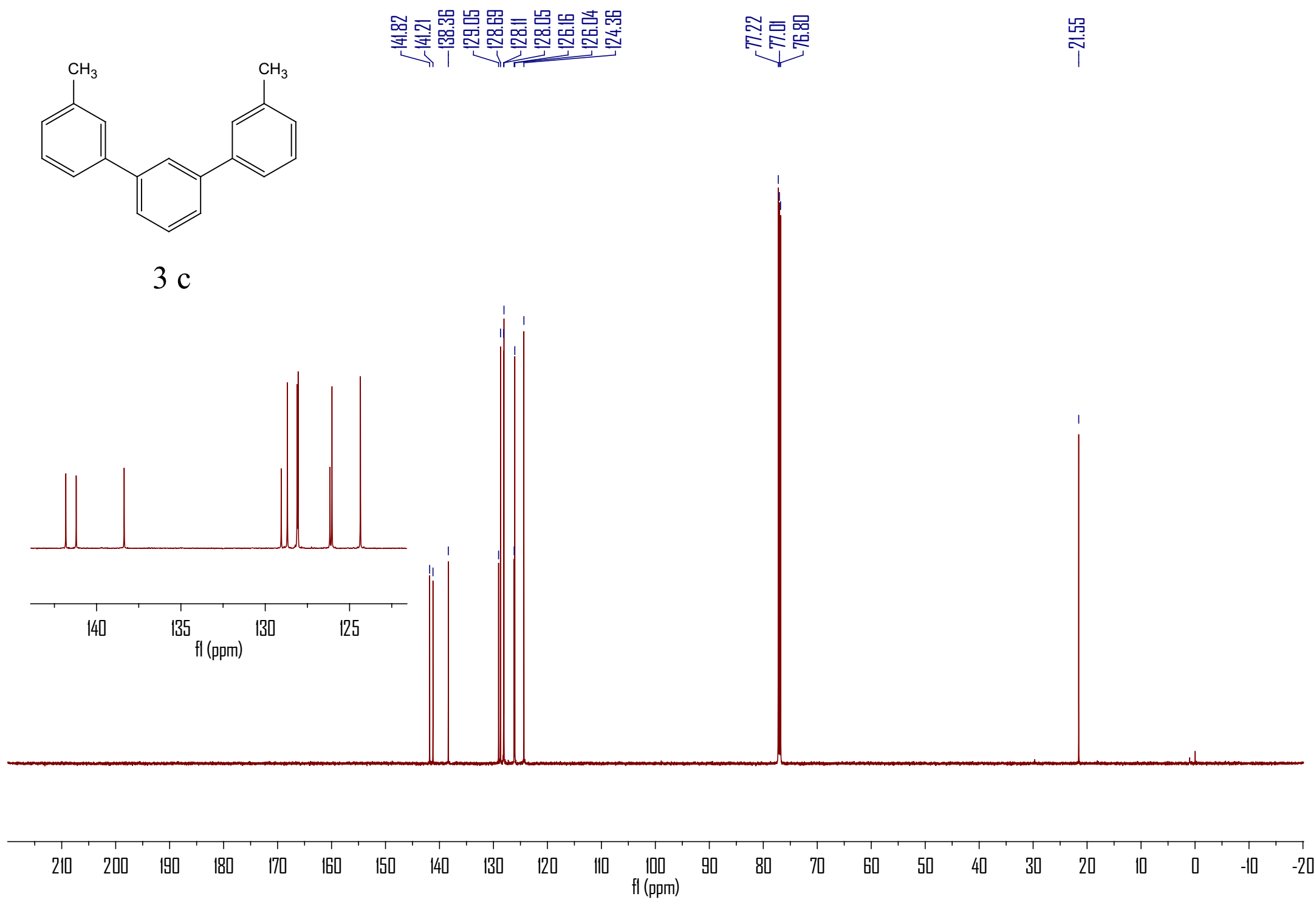
3 b

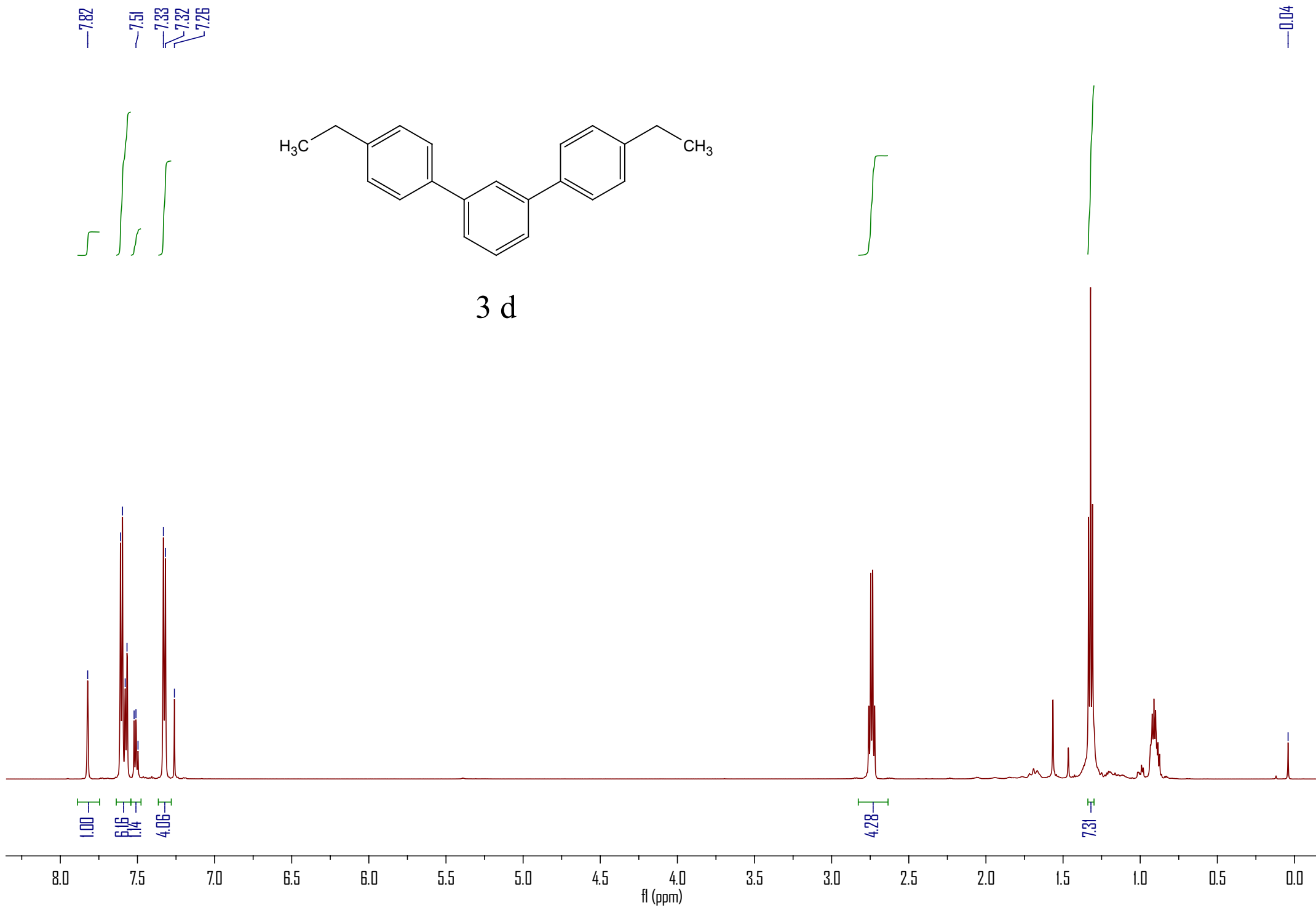


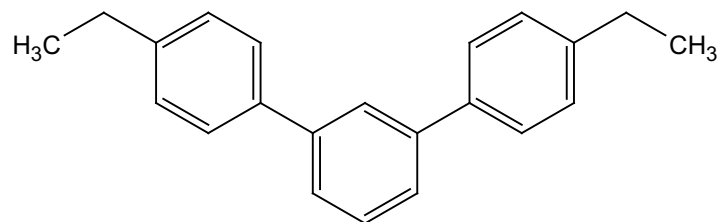




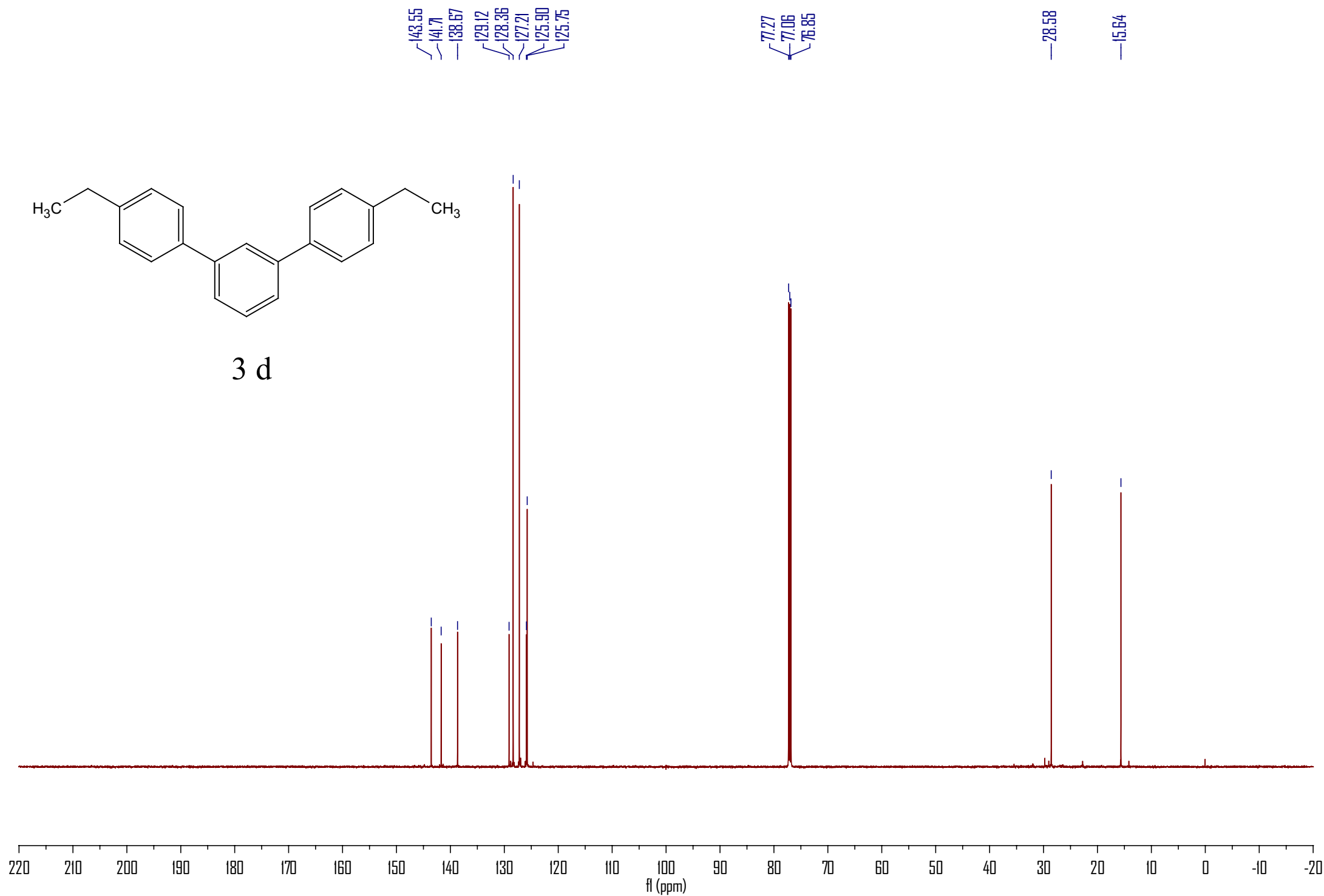
3 c







3 d





3 e

7.82
7.49
7.30
7.29
7.26

2.68
2.67
2.65

1.74
1.73
1.71
1.70
1.56

1.02
1.01
1.00

0.04

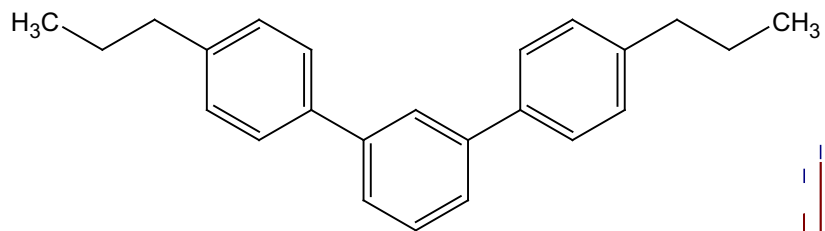
1.00
5.88
1.00
3.84

4.05

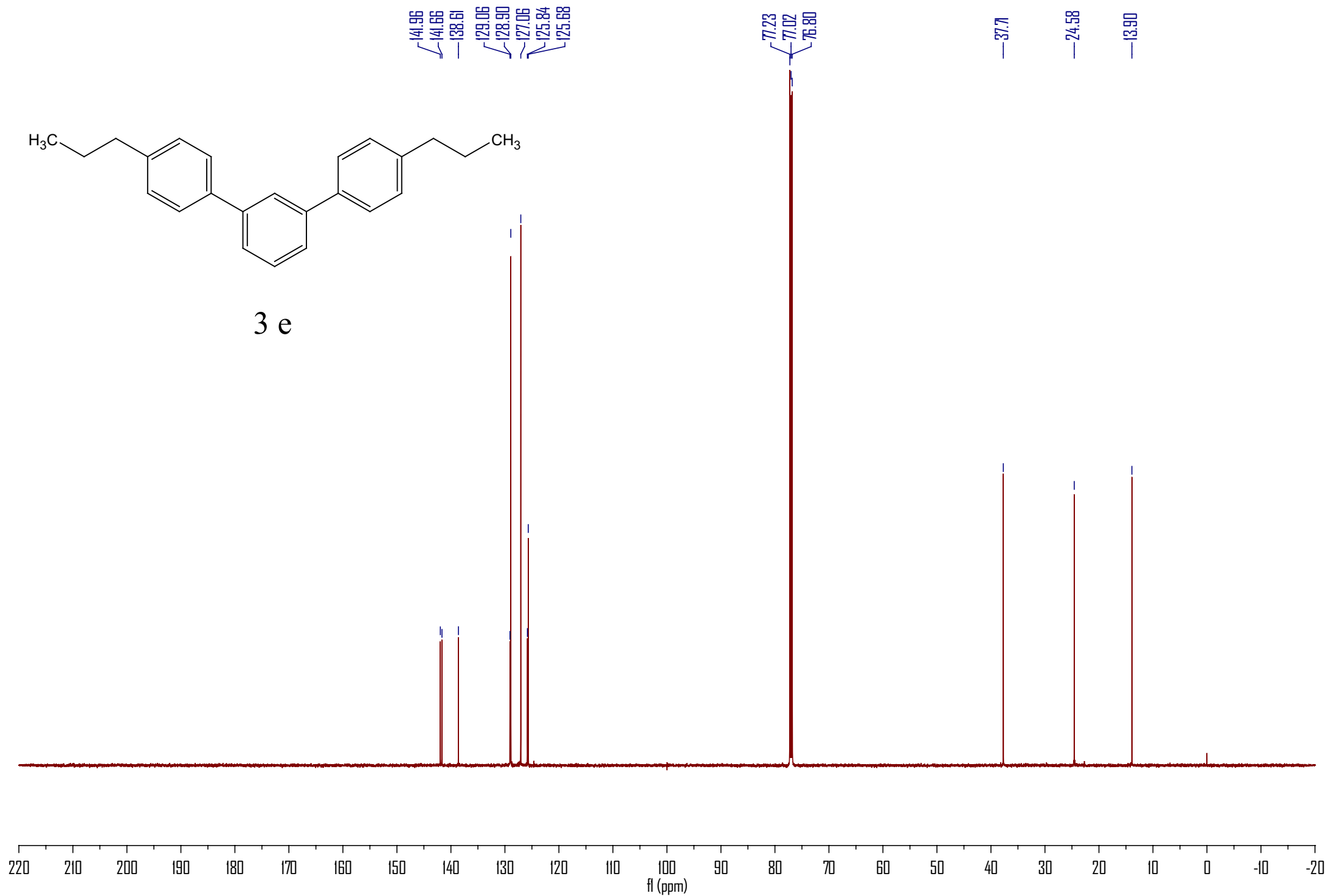
4.07

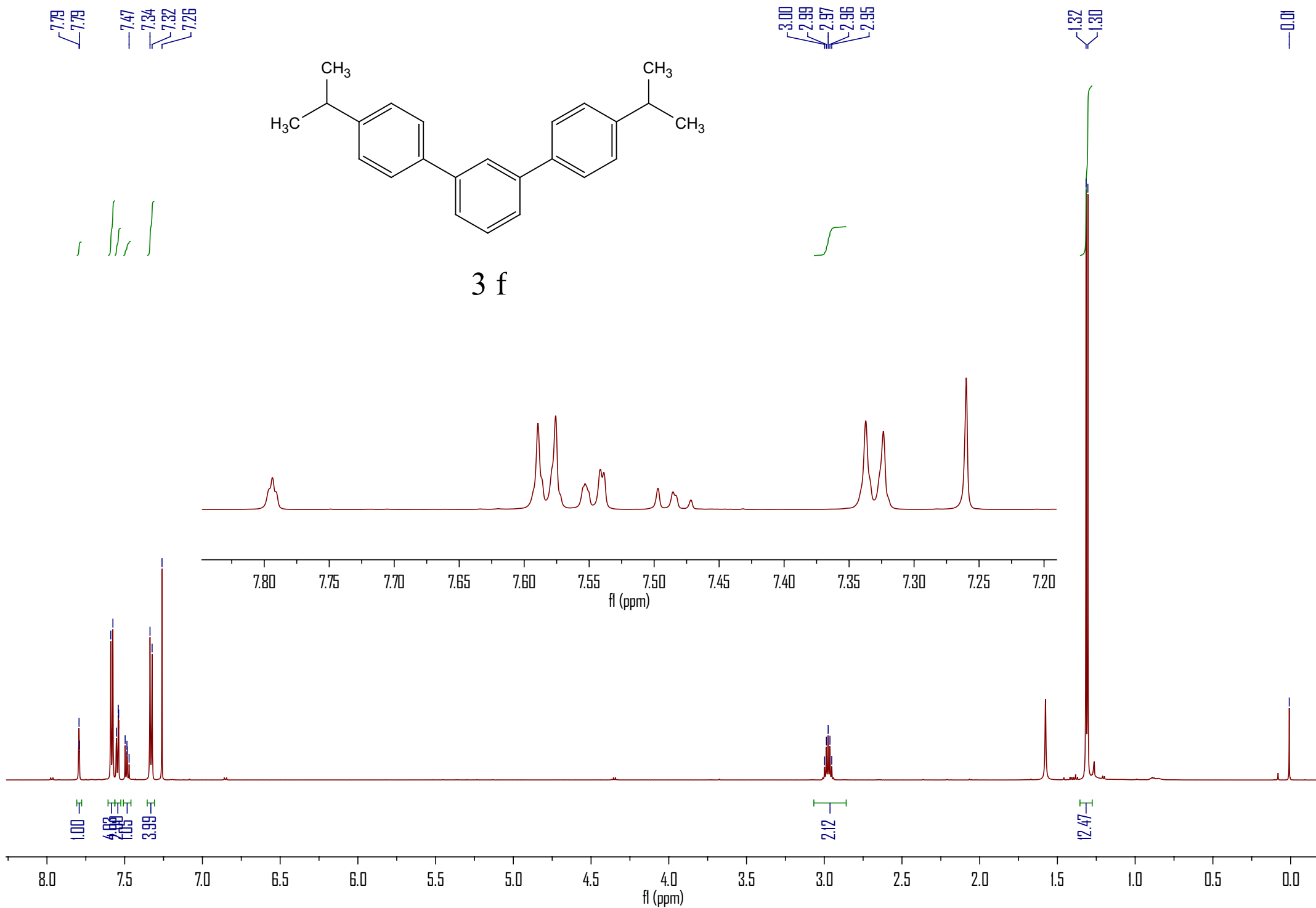
5.94

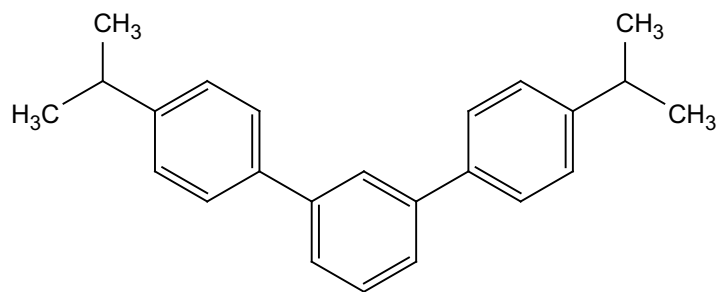
fl (ppm)



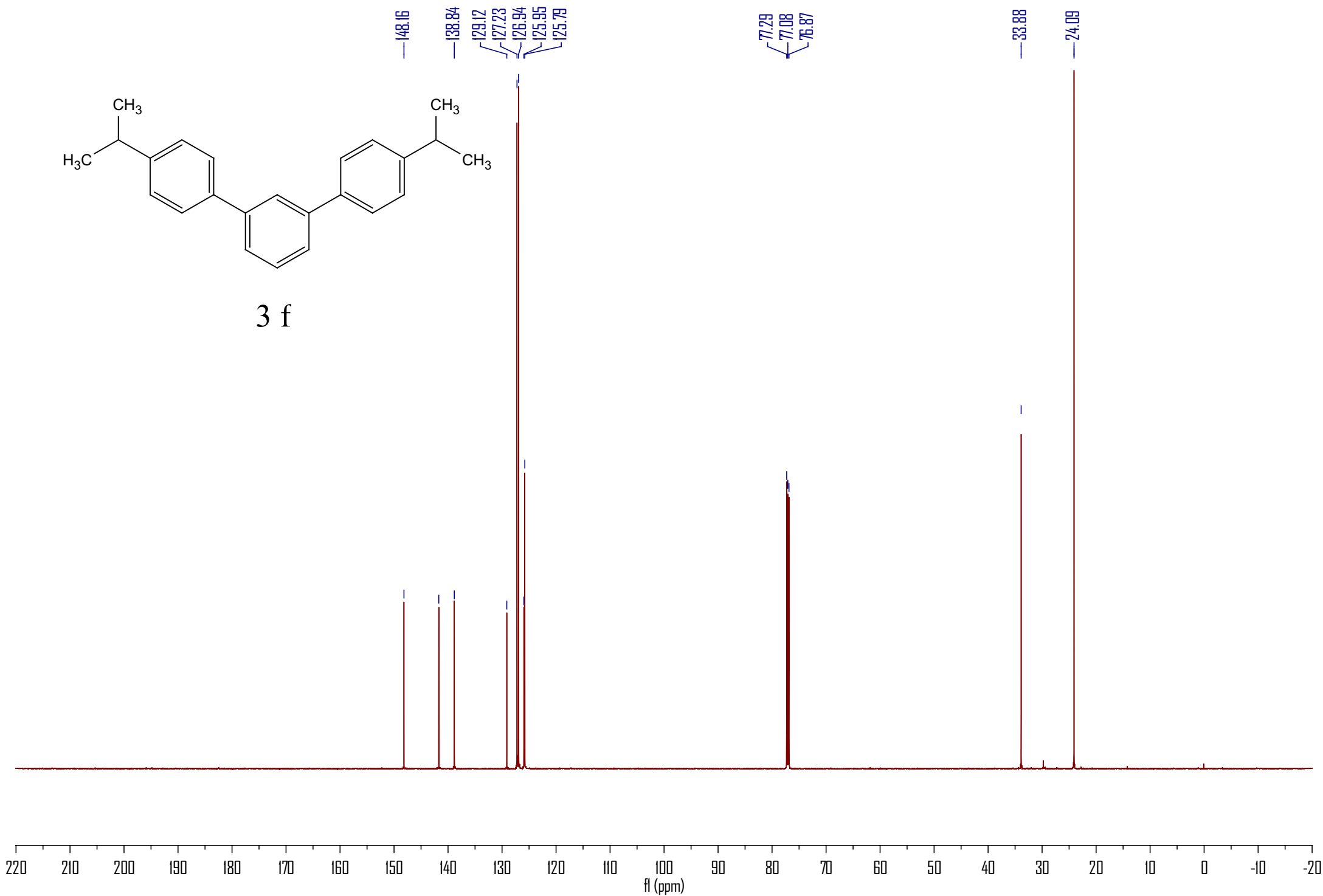
3 e





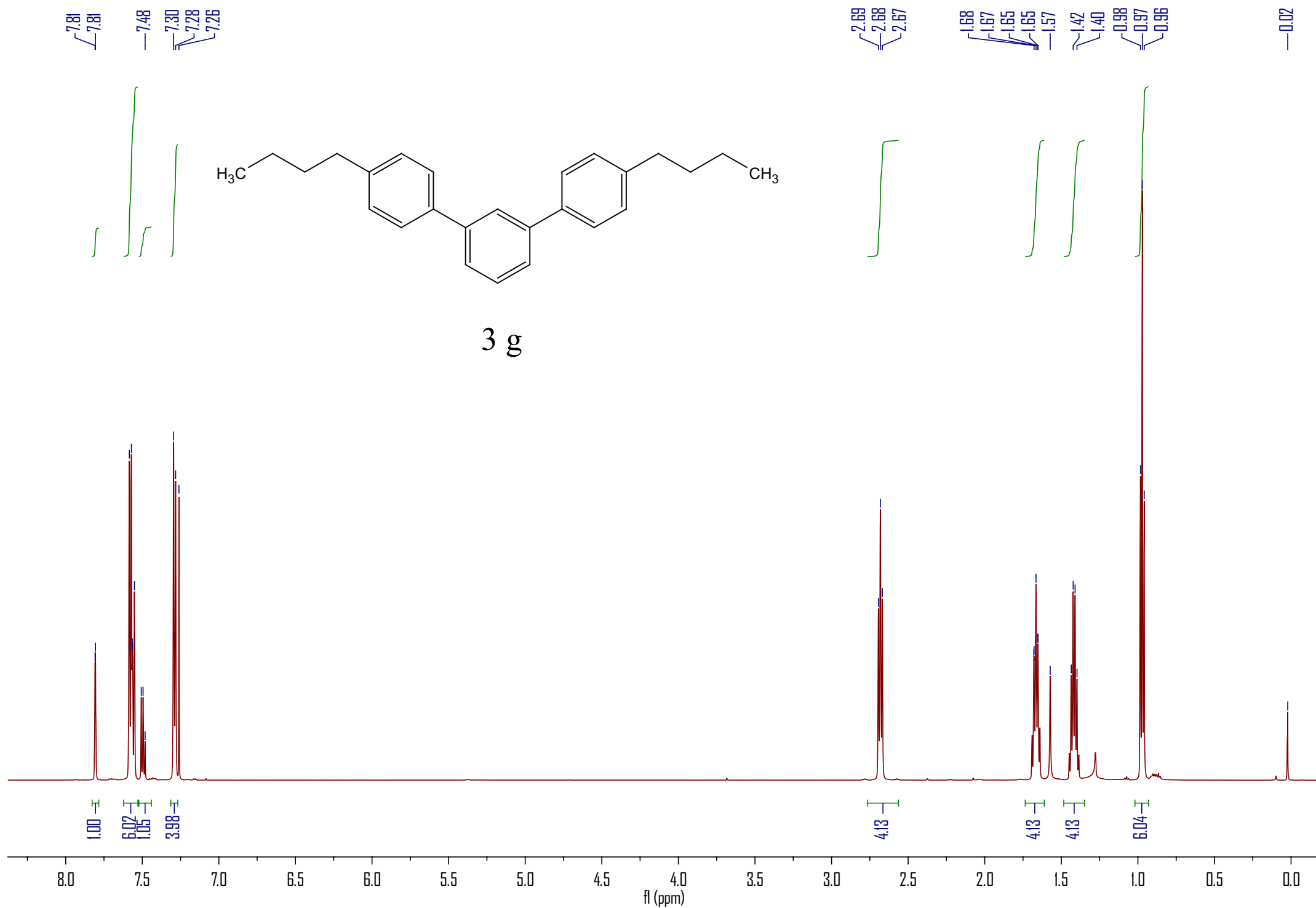


3 f



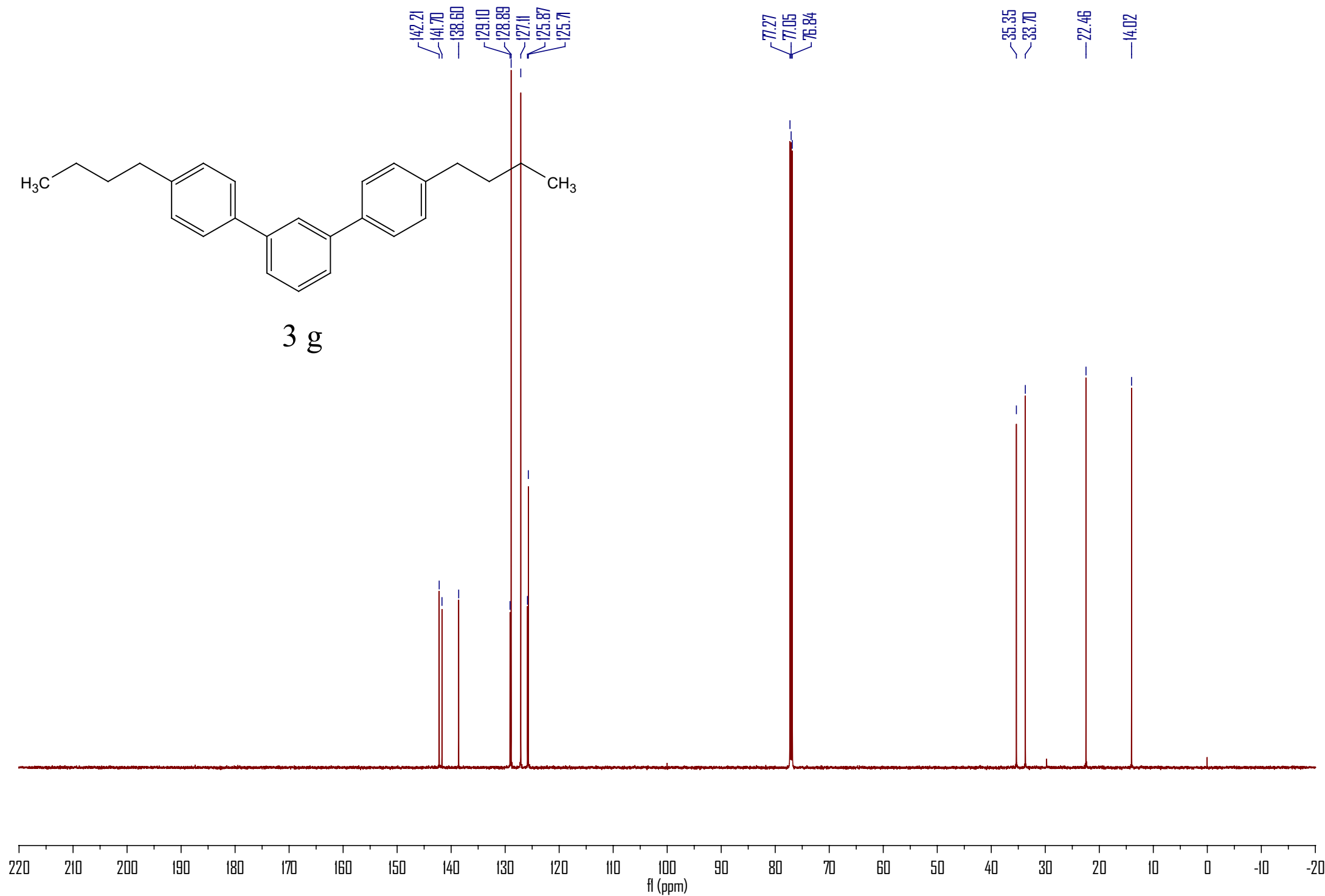


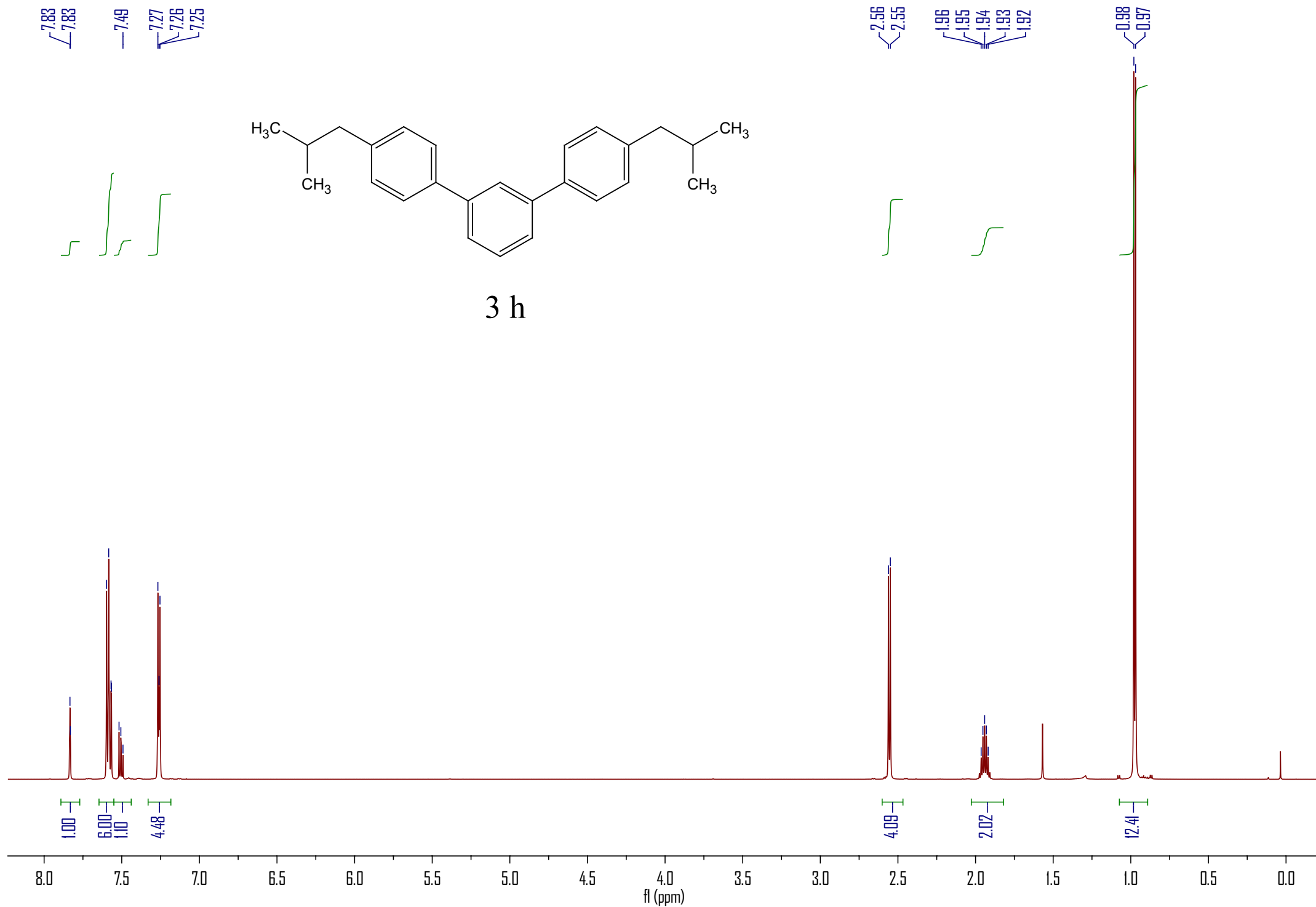
3 g

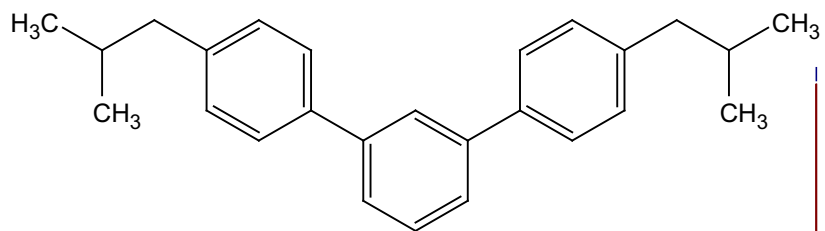




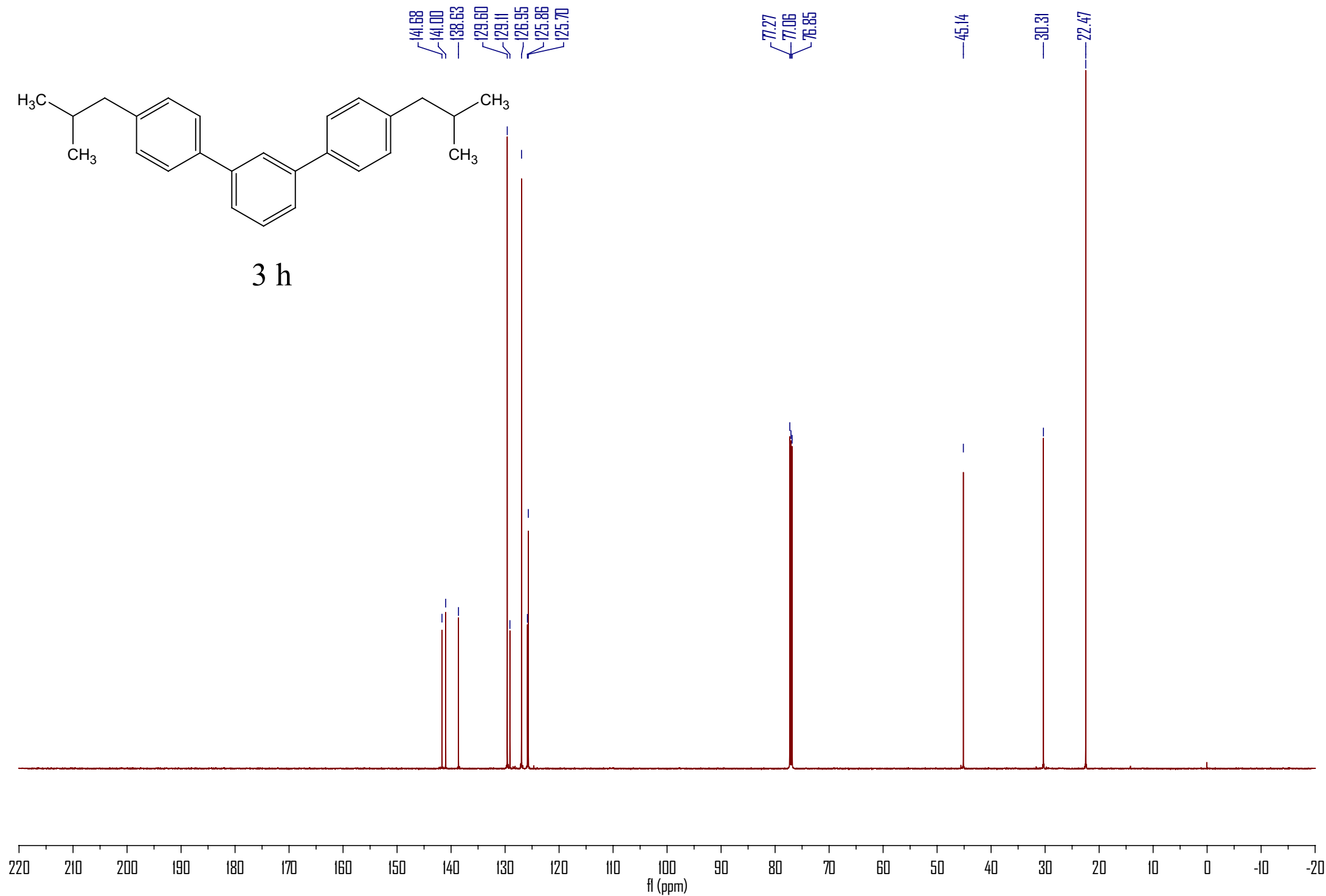
3 g

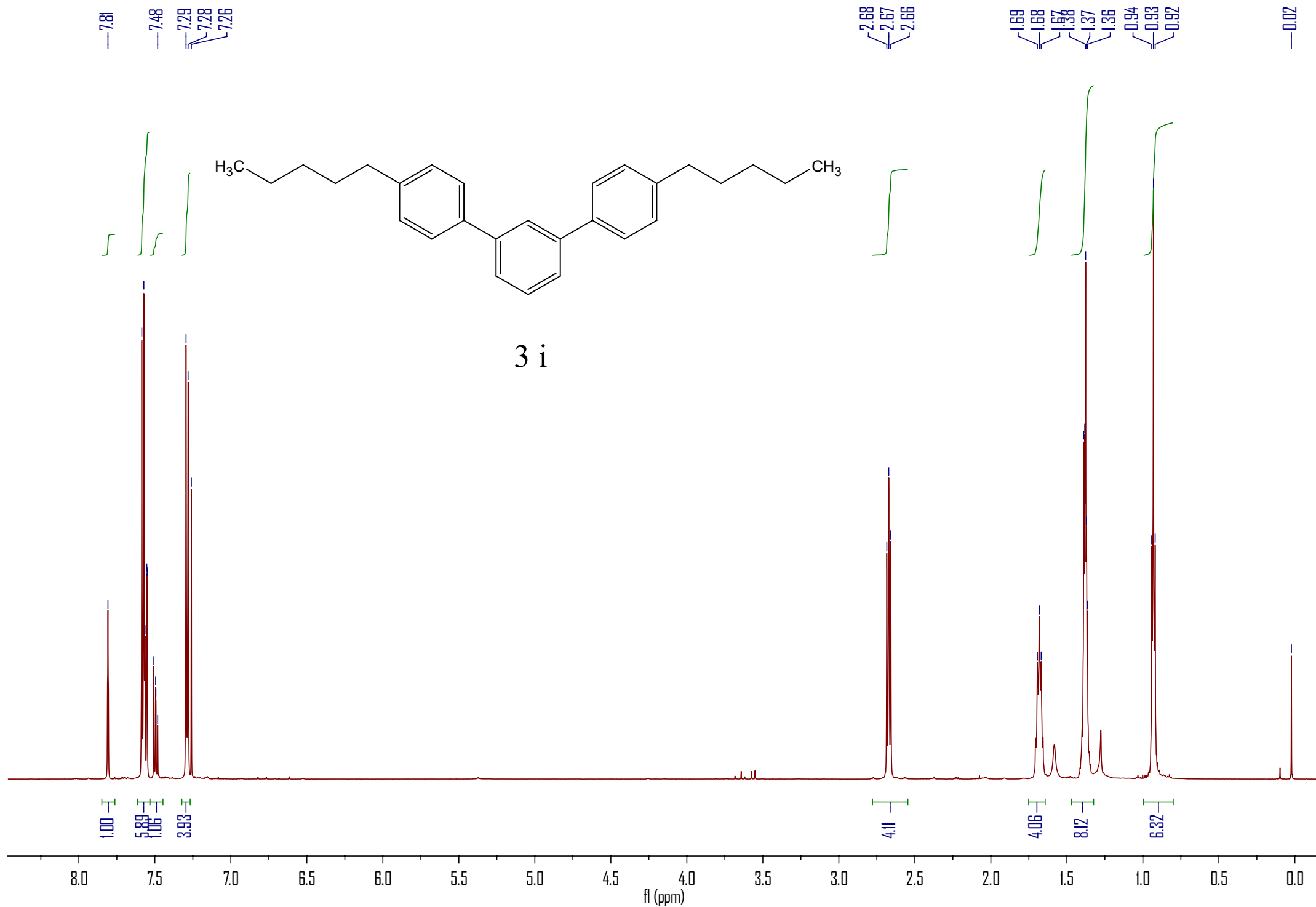


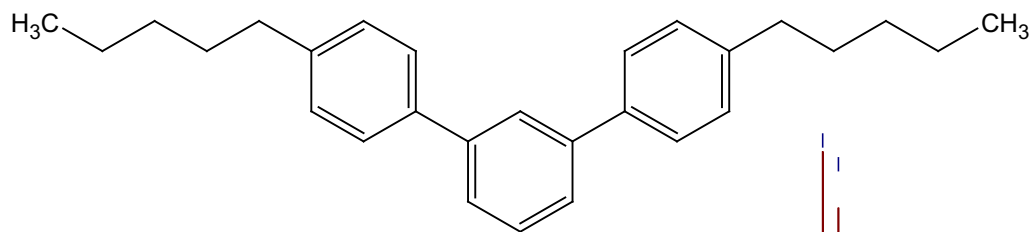




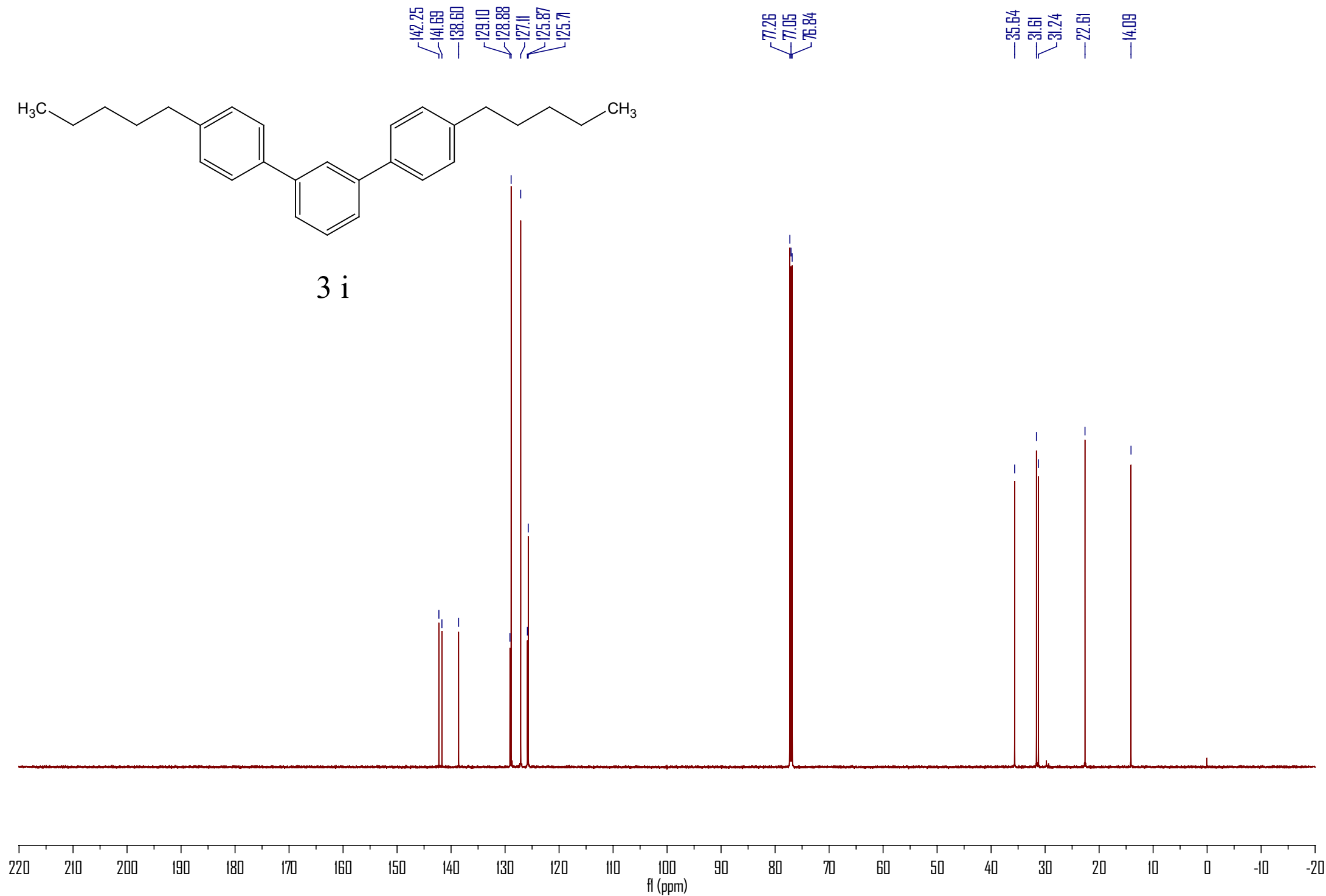
3 h

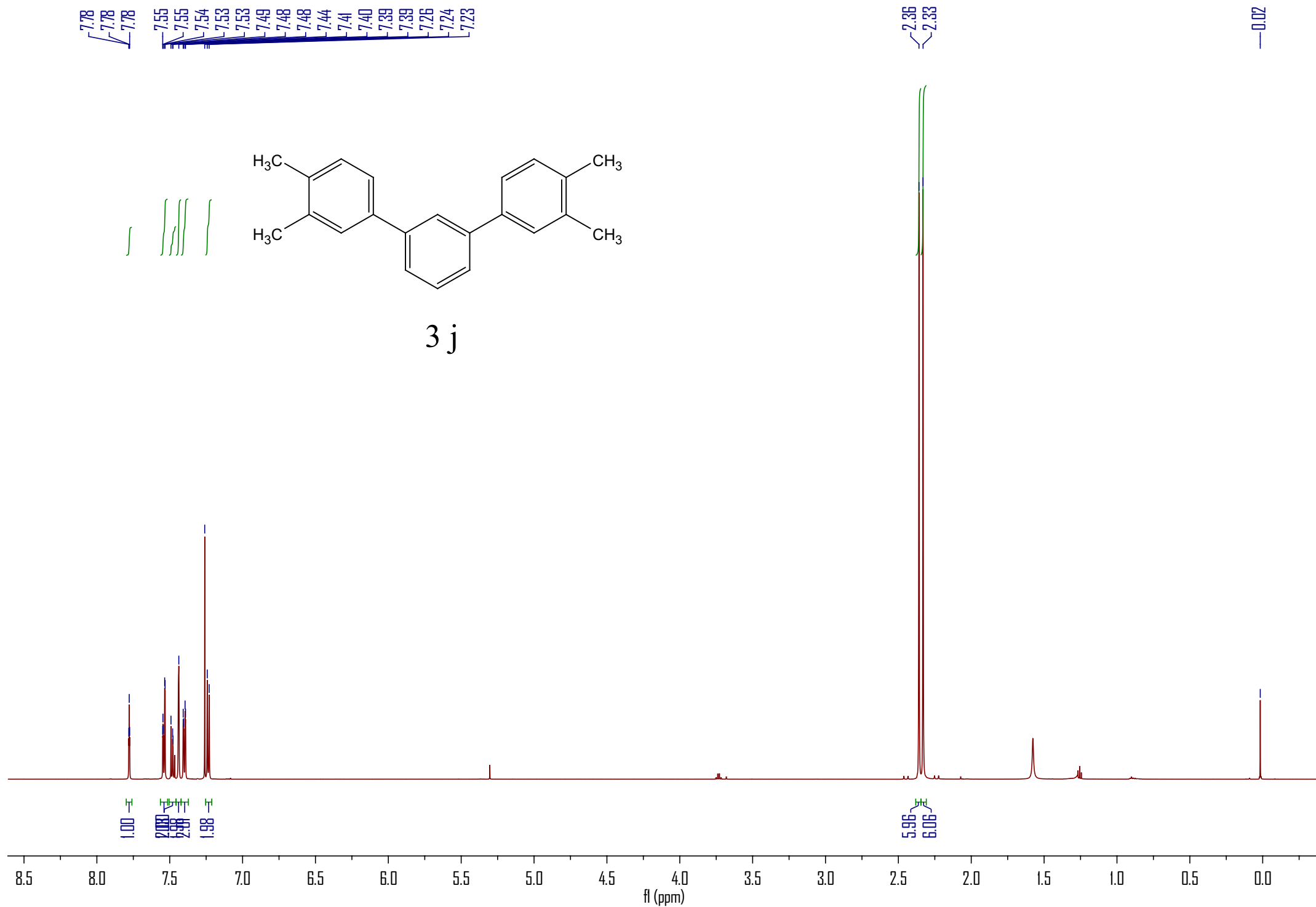


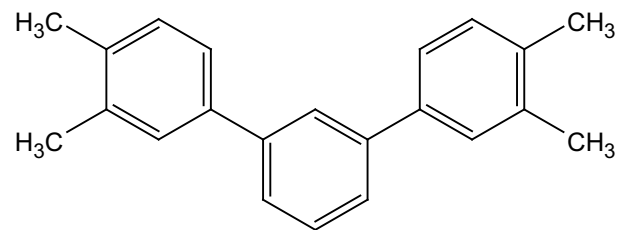




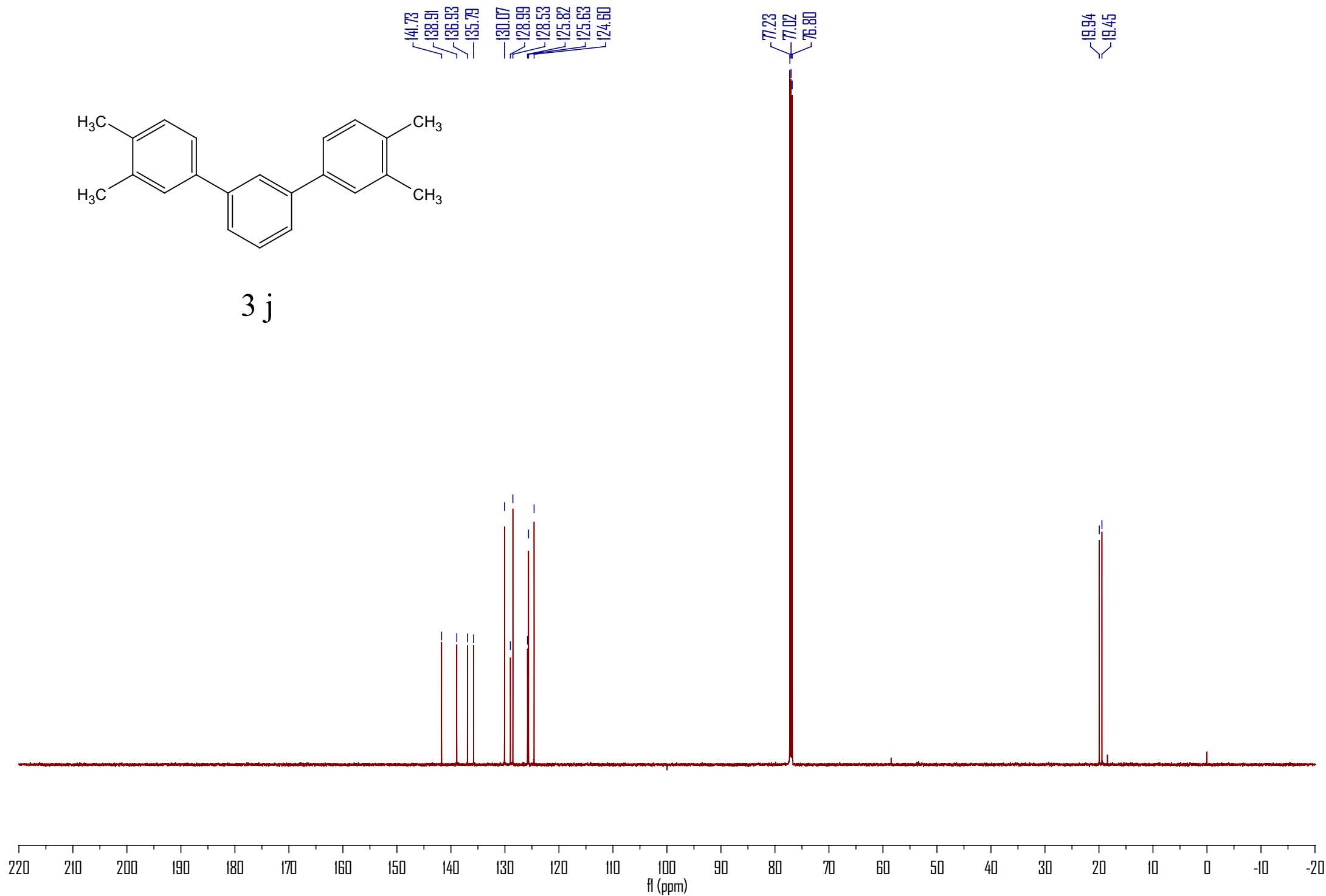
3 i





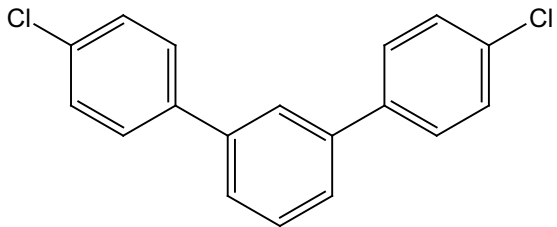


3 j

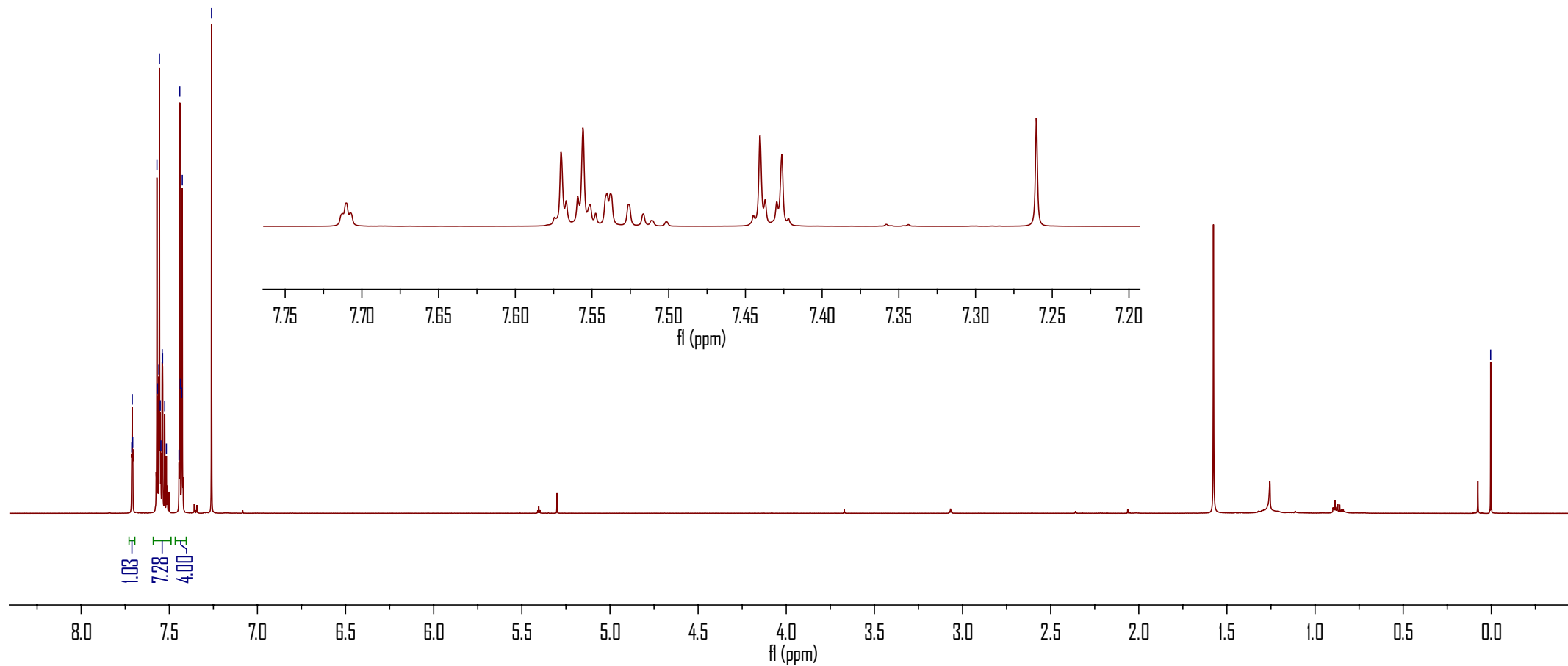


7.57
7.56
7.55
7.54
7.53
7.44
7.44
7.43
7.26

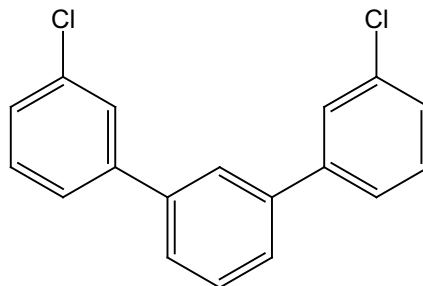
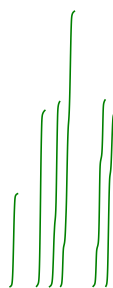
0.00



3 k

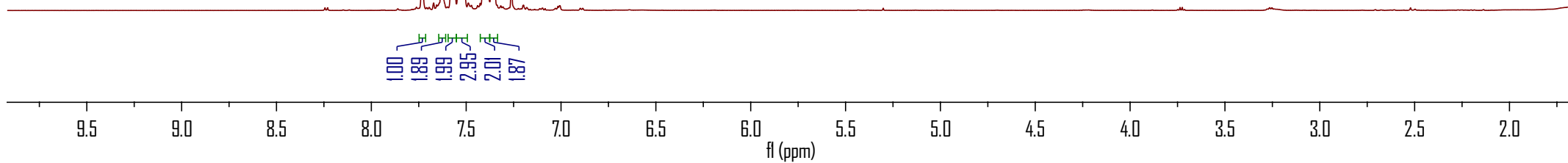


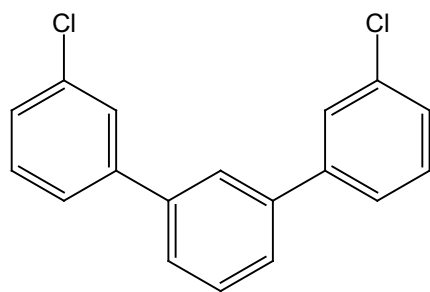
7.73
7.63
7.58
7.57
7.54
7.53
7.53
7.51
7.41
7.40
7.39
7.36
7.35
7.35
7.26



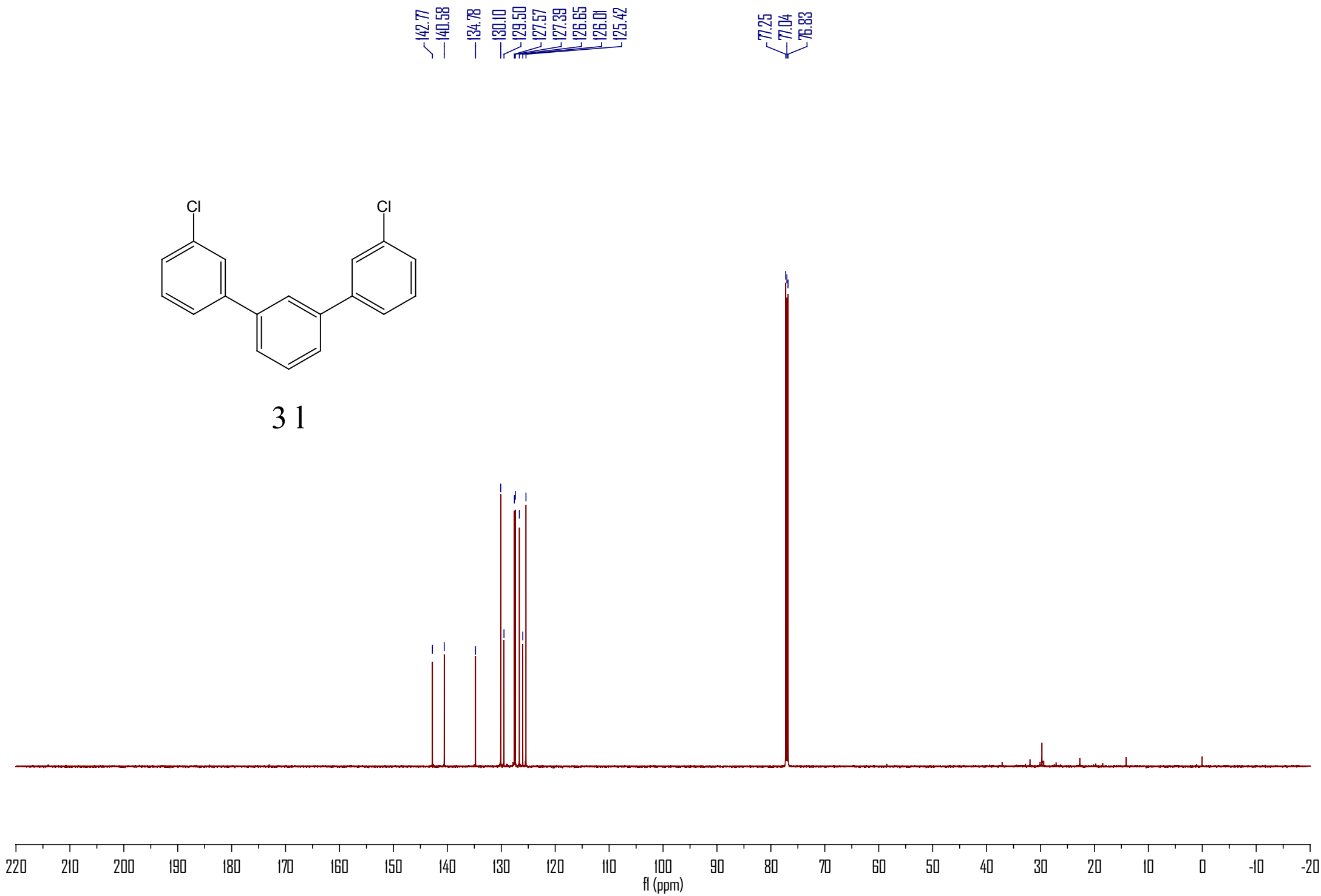
31

1.00
1.89
1.99
2.95
2.01
1.87





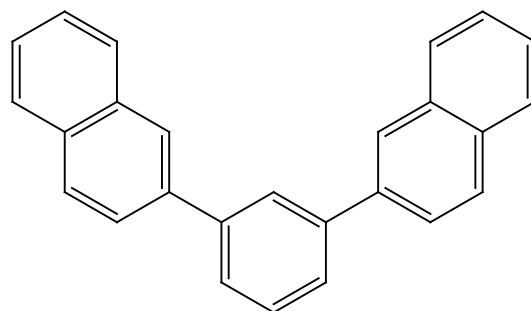
31



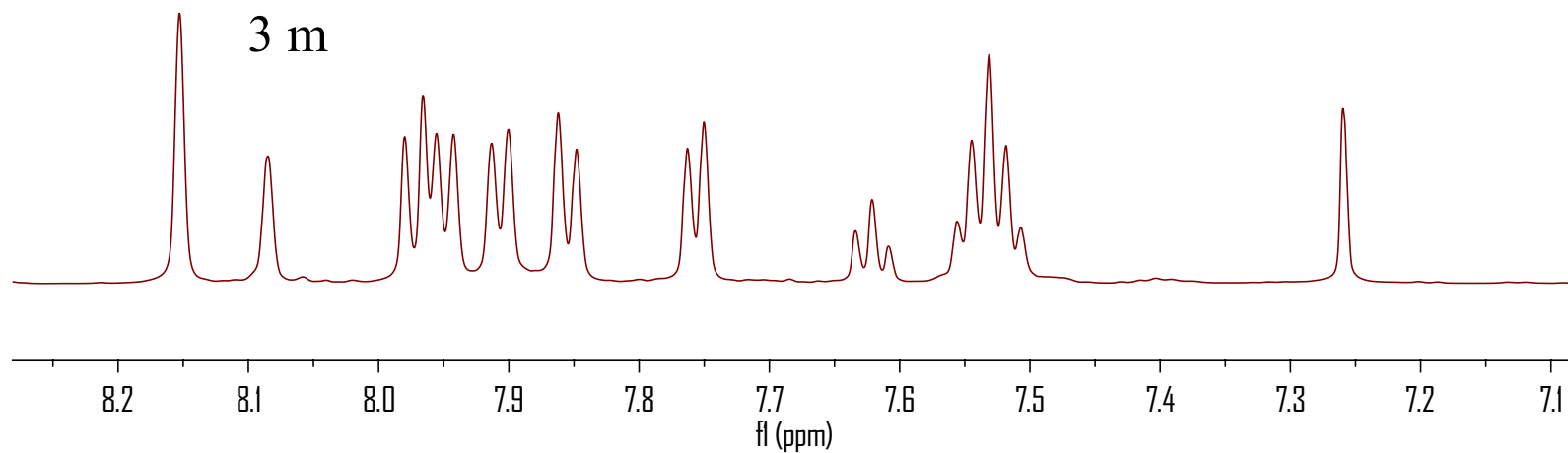
7.90
7.85
7.75
7.62
7.56
7.53
7.51
7.26

1.56

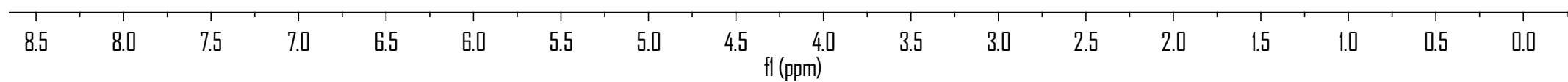
0.02

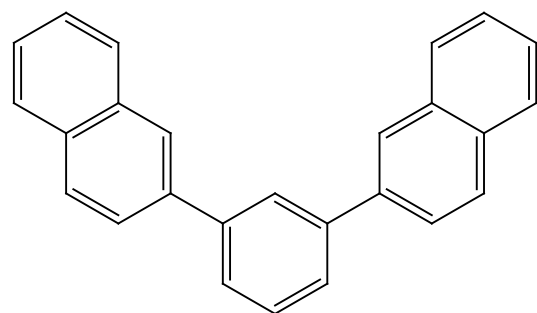


3 m

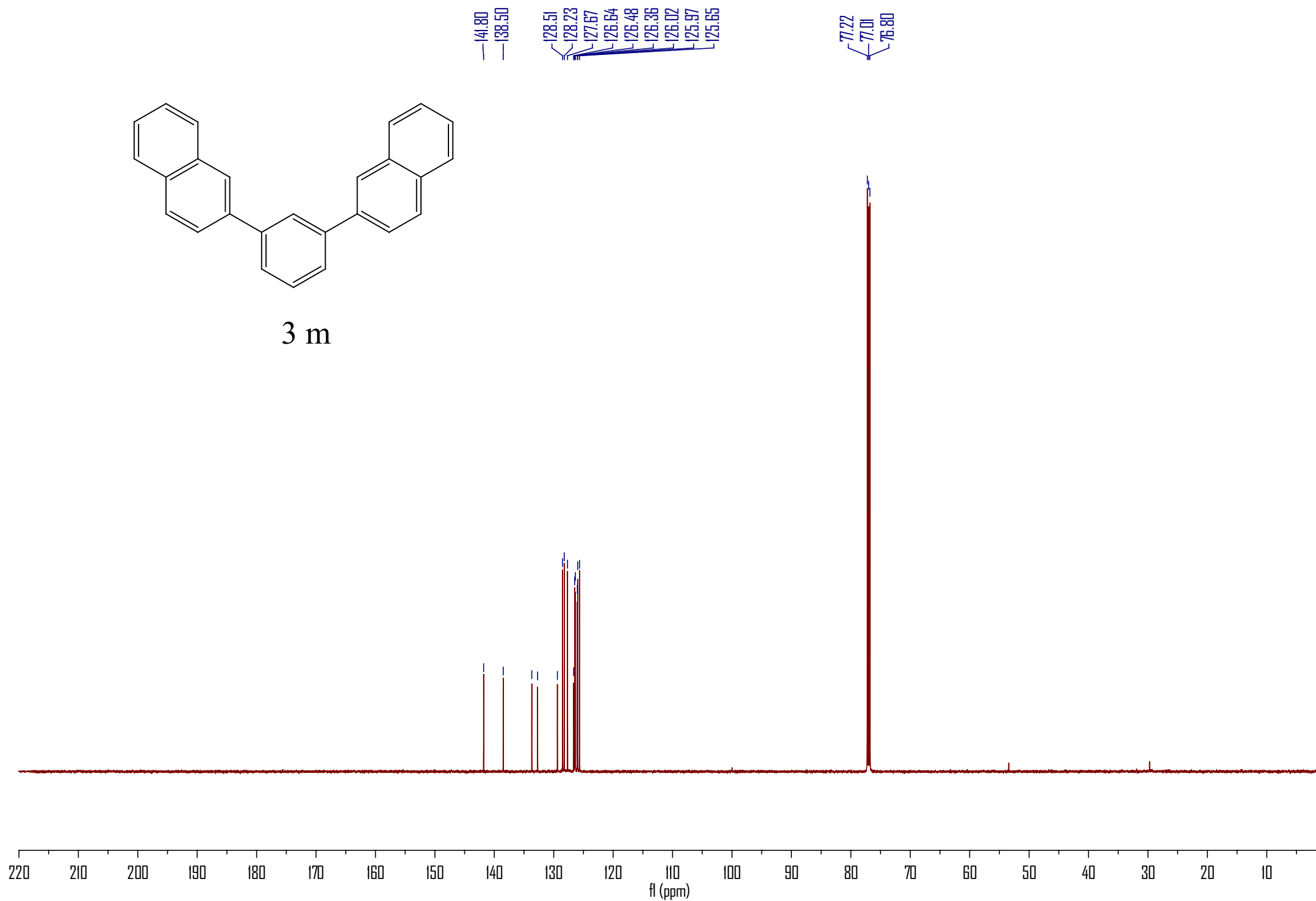


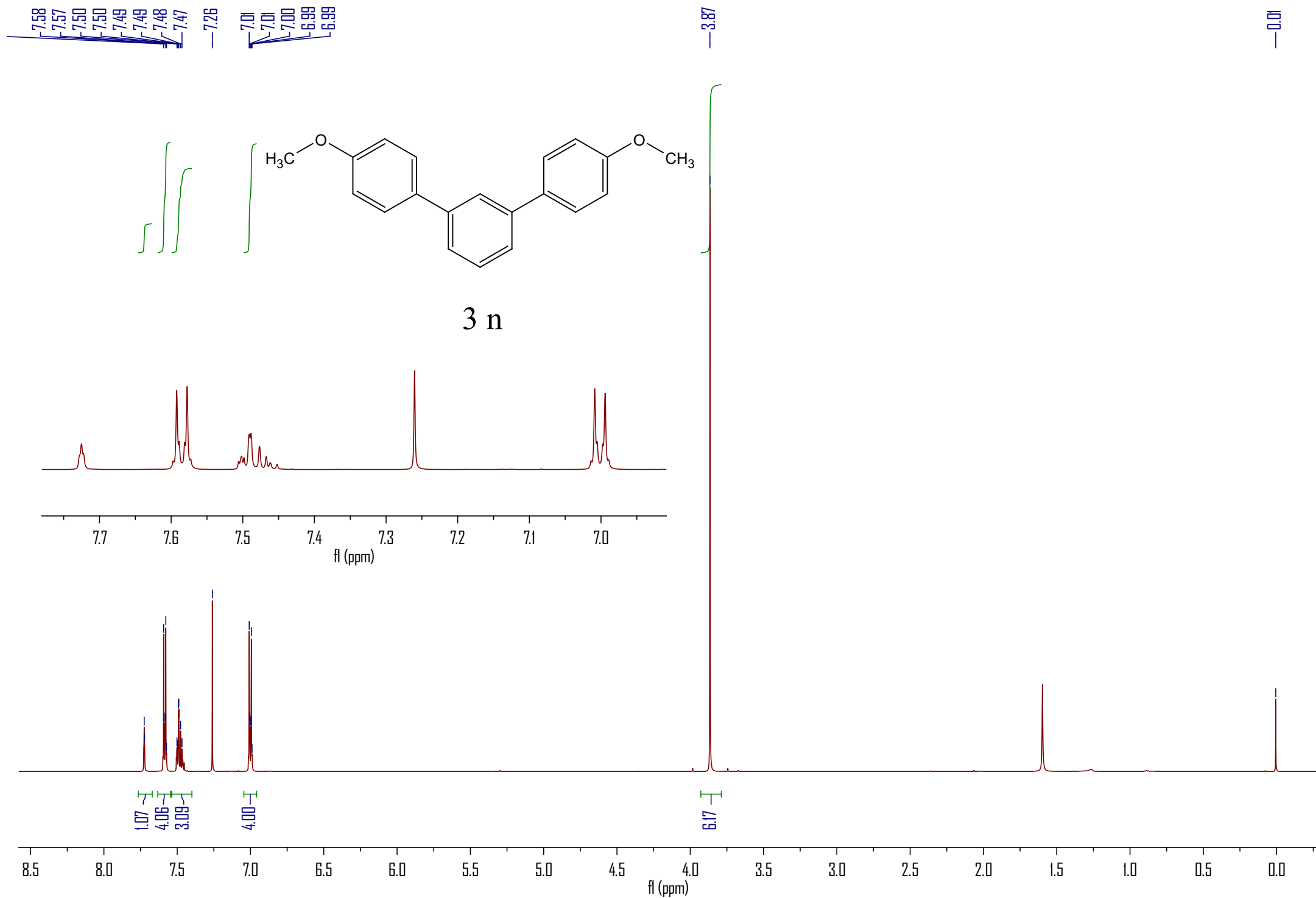
1.98
1.00
3.97
2.18
2.13
1.96
1.03
4.18

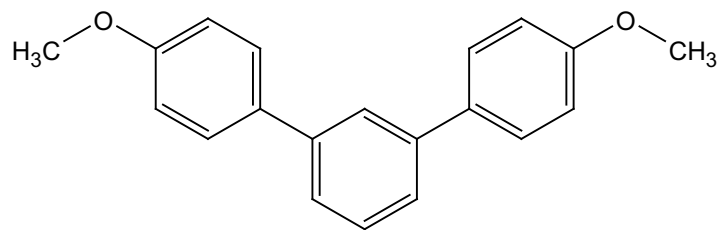




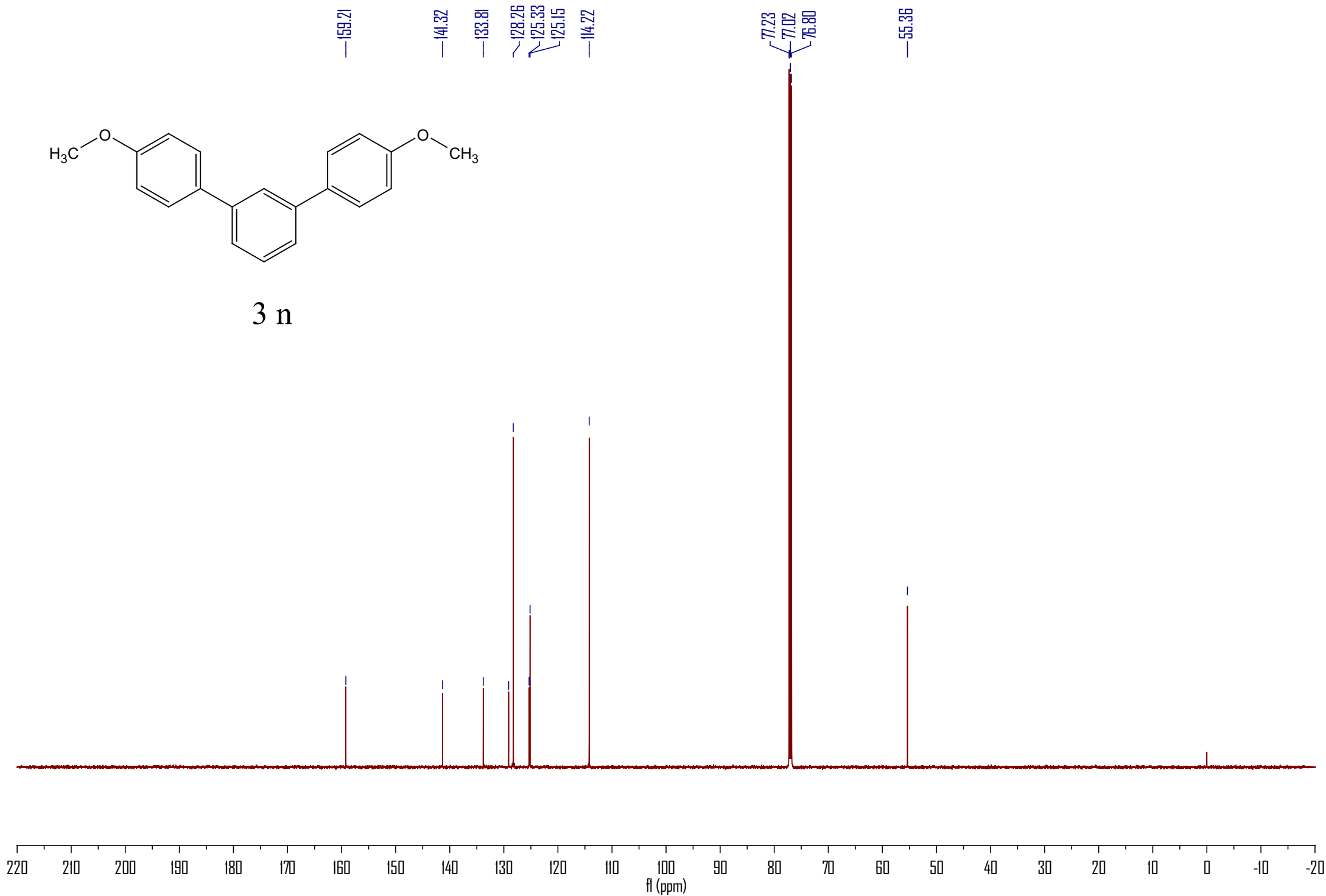
3 m

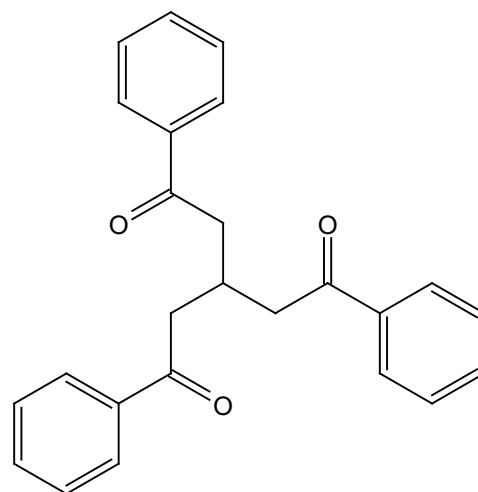




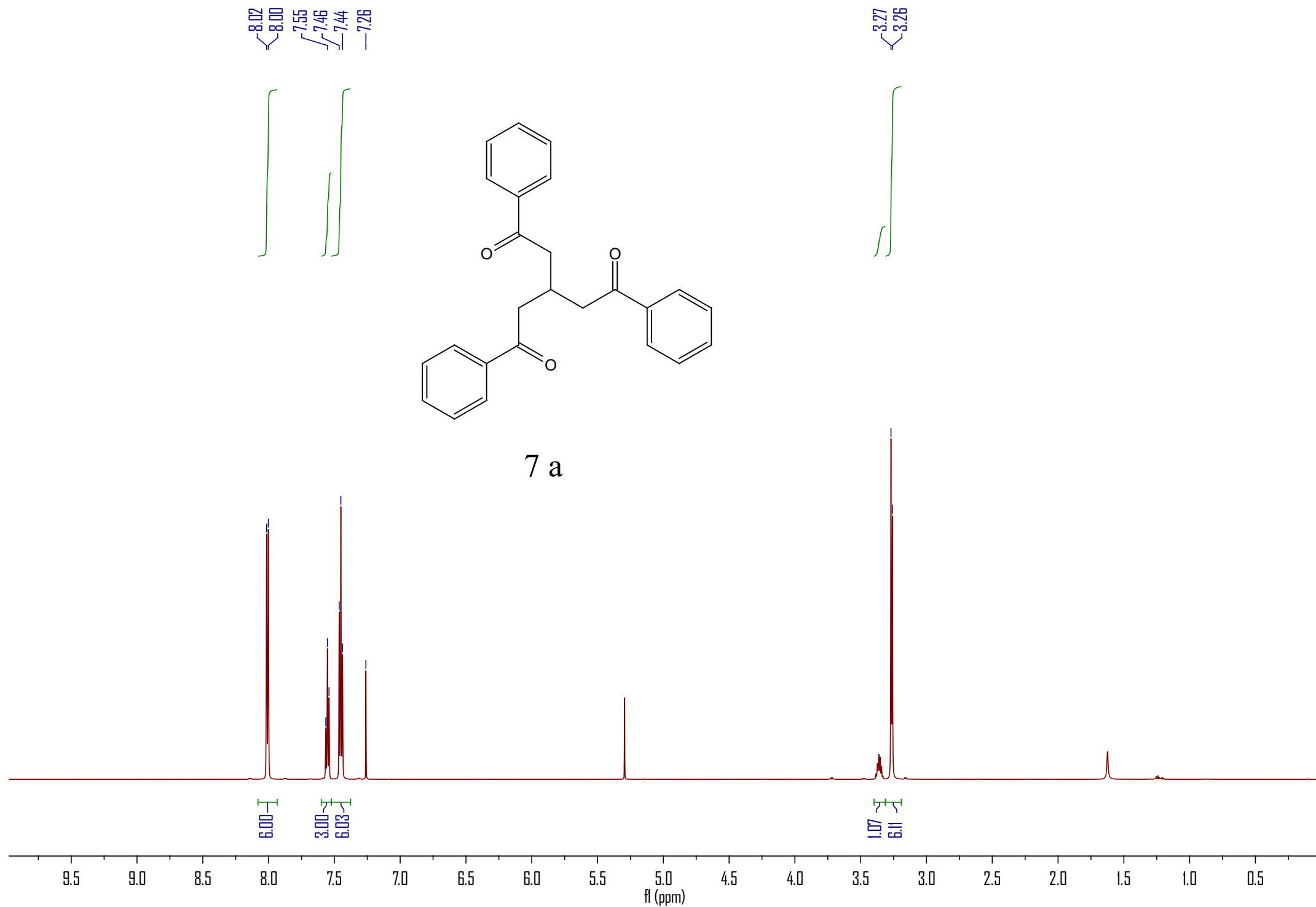


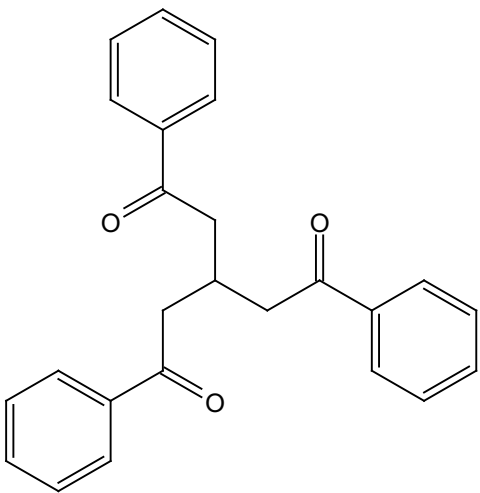
3 n





7 a





7 a

199.49

135.81

133.21

128.63

128.21

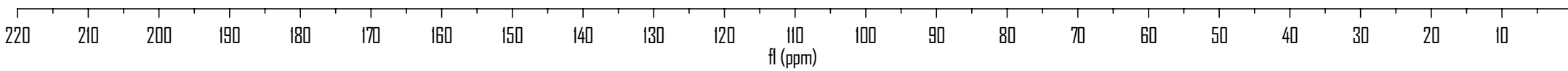
77.24

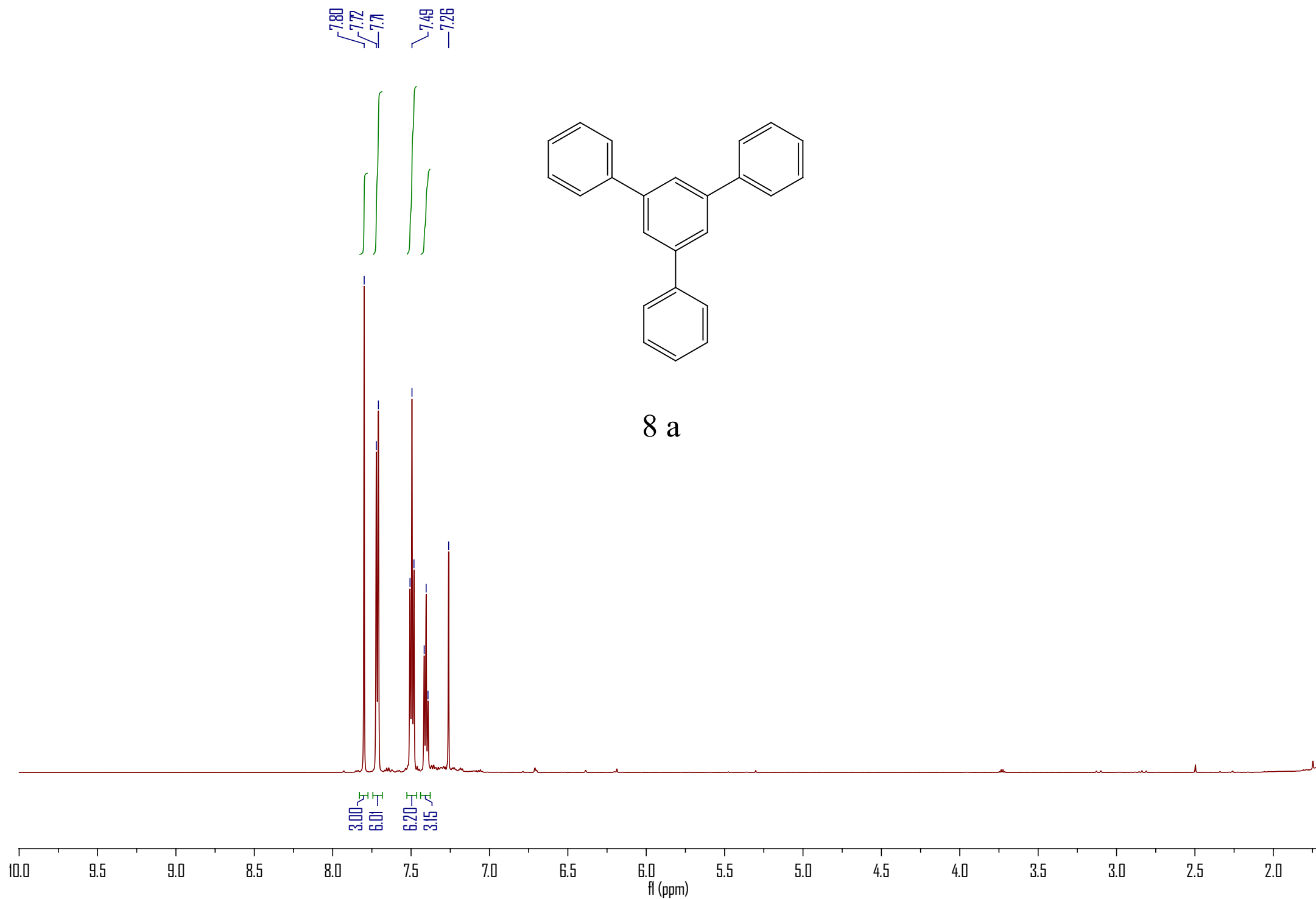
77.02

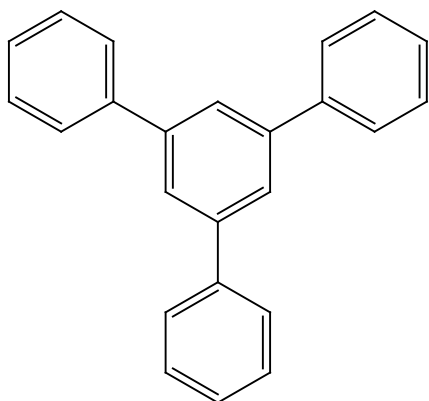
76.81

42.39

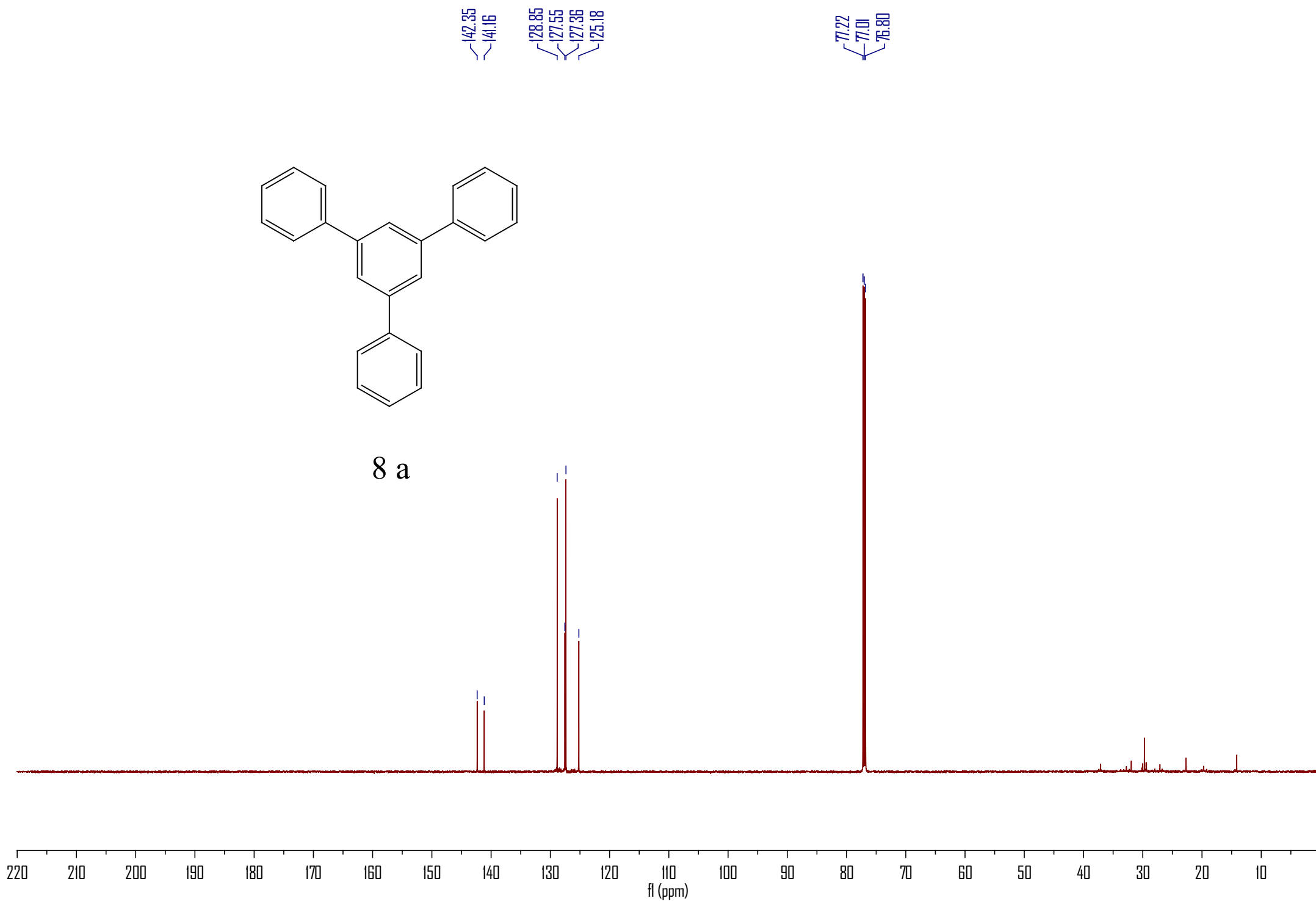
27.66

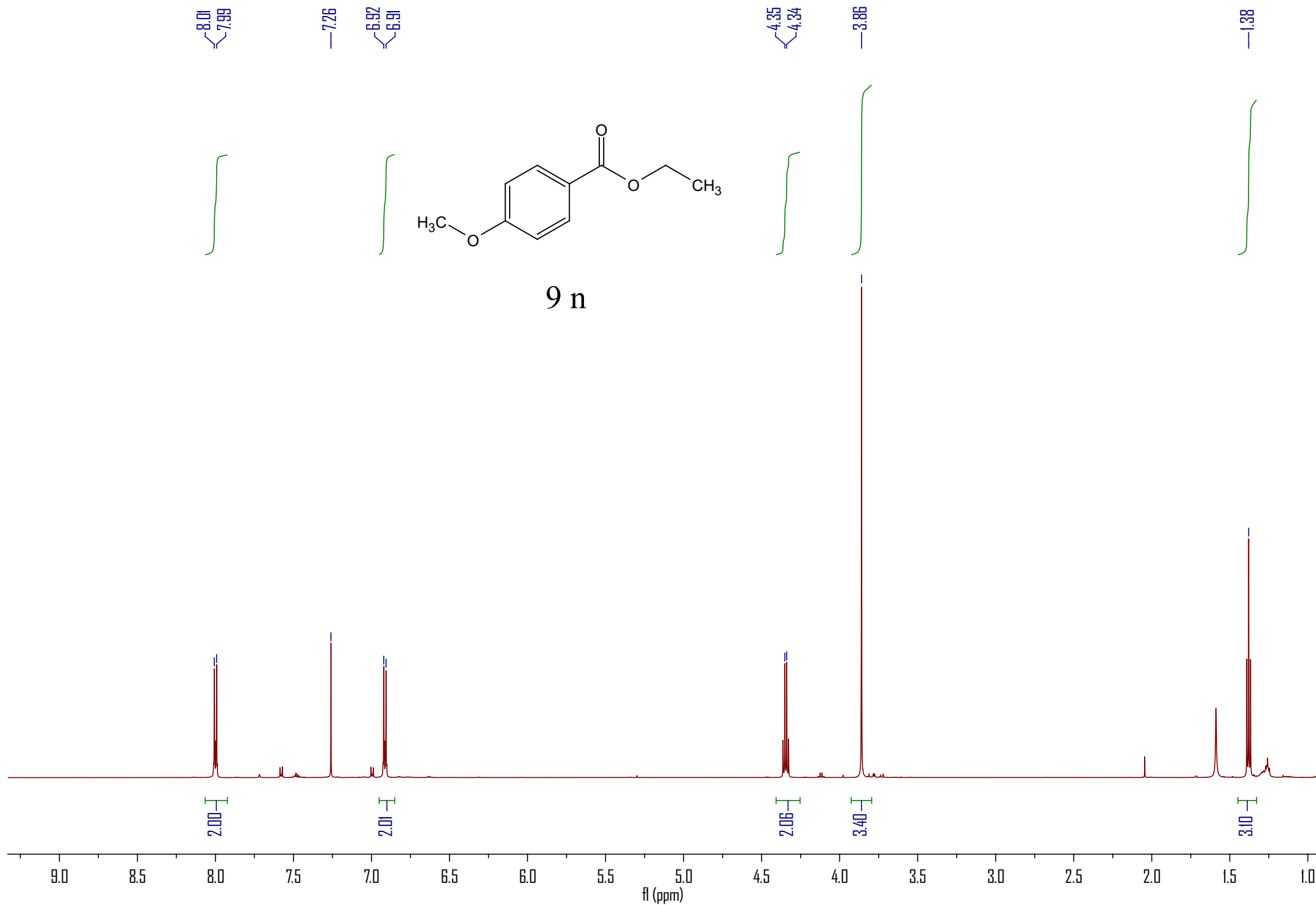


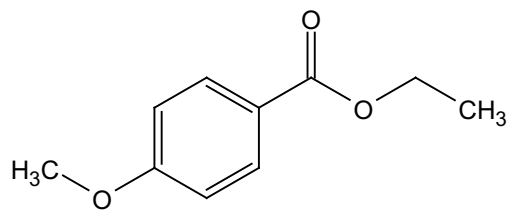




8 a







9 n

