

Ru(II)-Catalyzed Oxidative Spiroannulation of 2-Arylphenols with Alkynes via a C–H Activation/Dearomatization Strategy

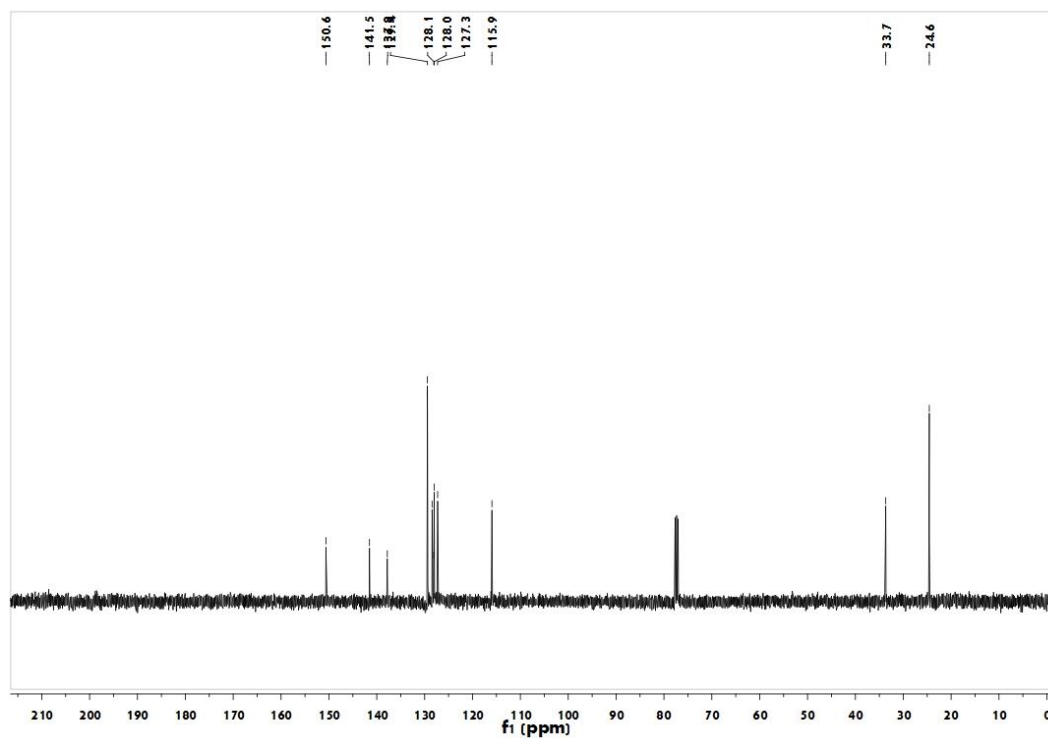
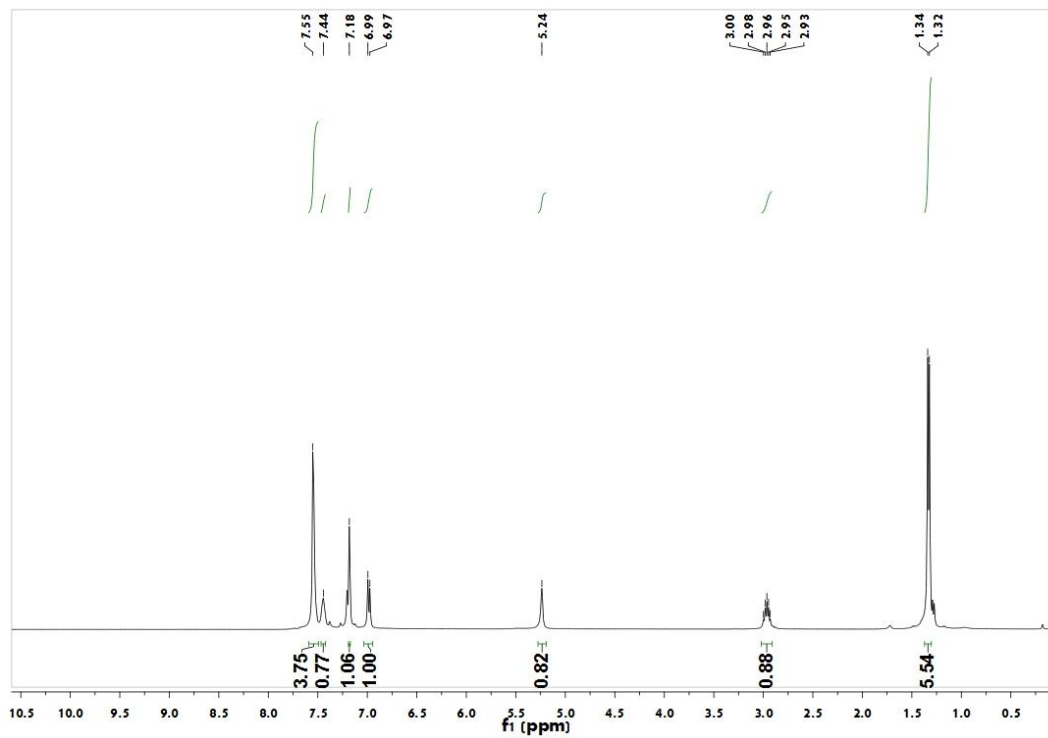
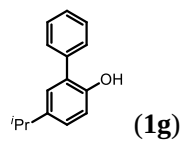
Zhijun Zuo, Xin Yang, Jingjing Liu, Jiang Nan, Lu Bai, Yaoyu Wang, Xinjun Luan*

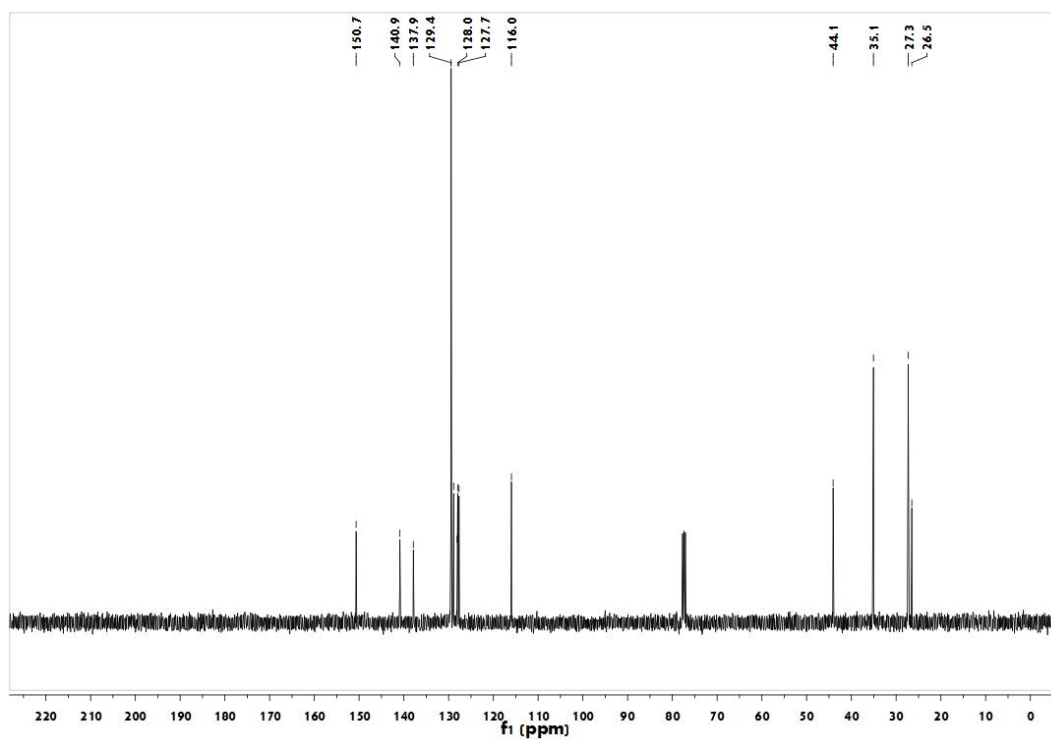
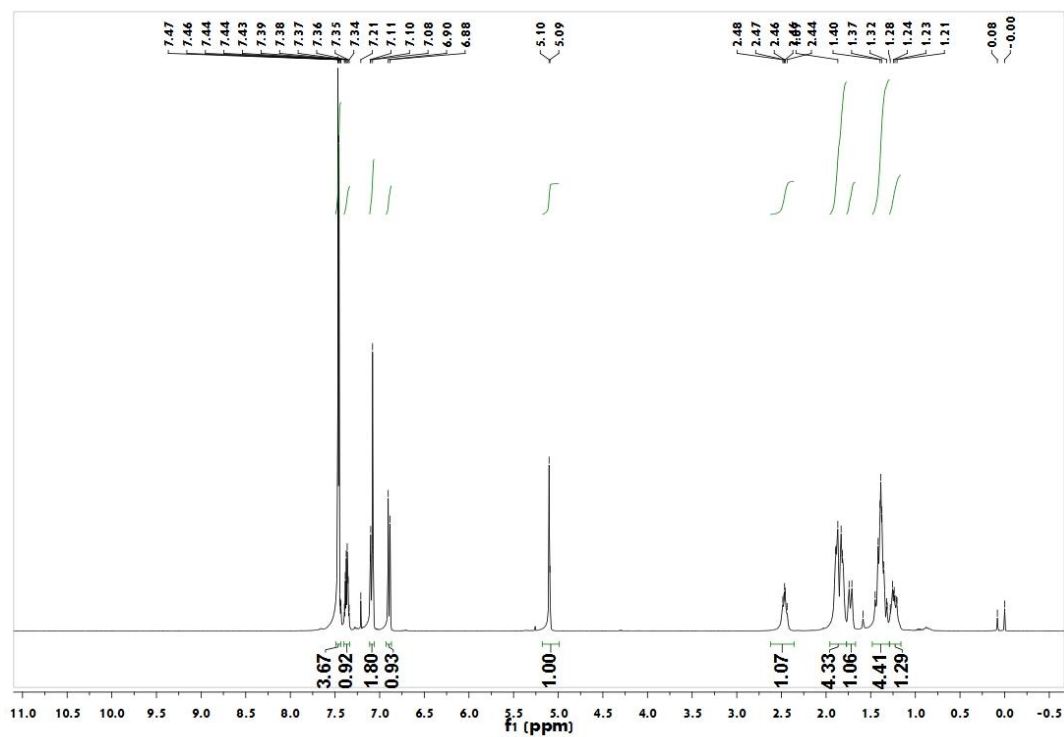
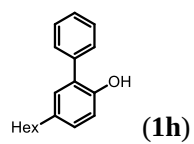
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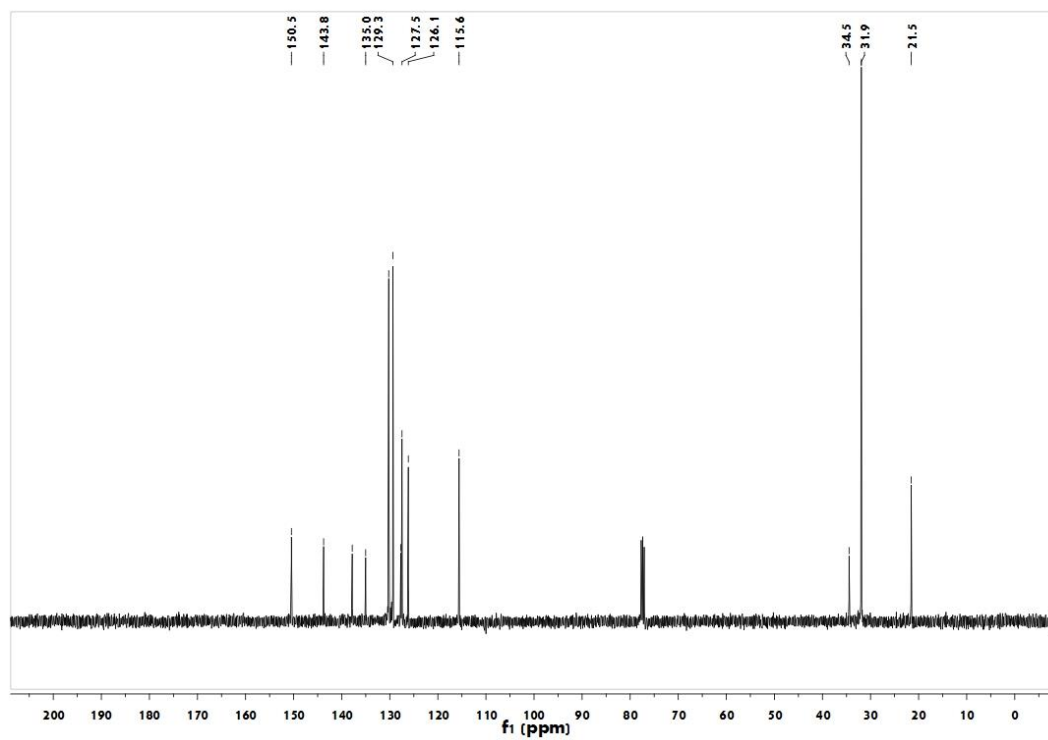
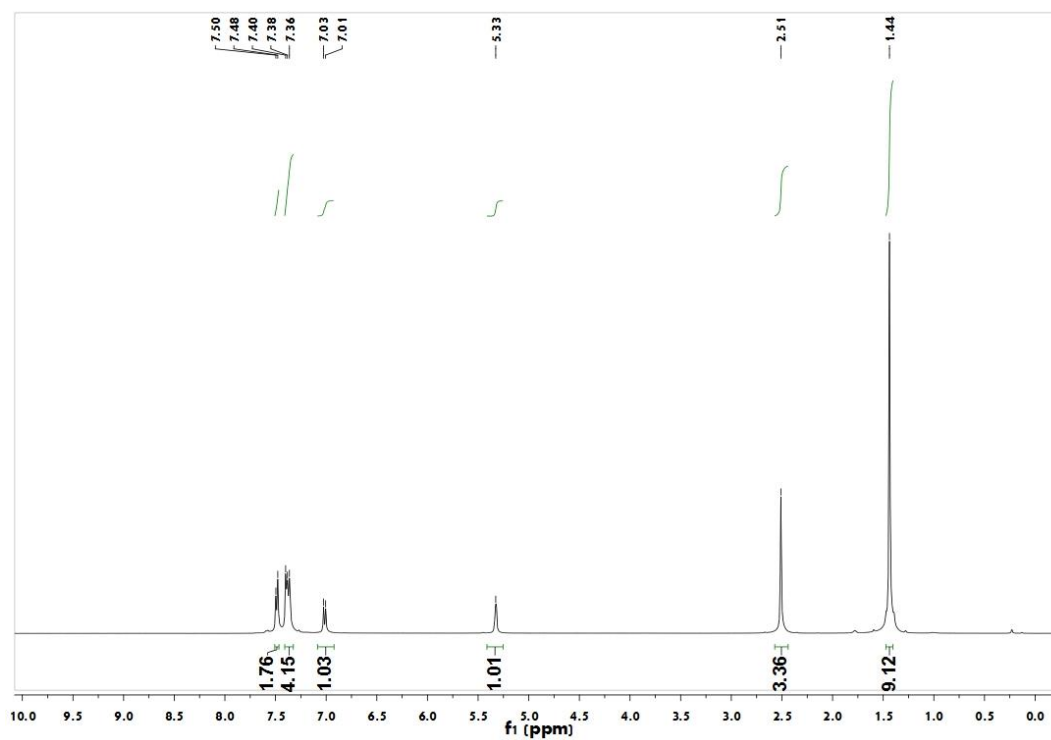
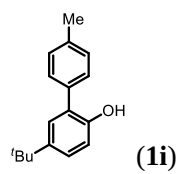
College of Chemistry & Materials Science, Northwest University, Xi'an 710069, China

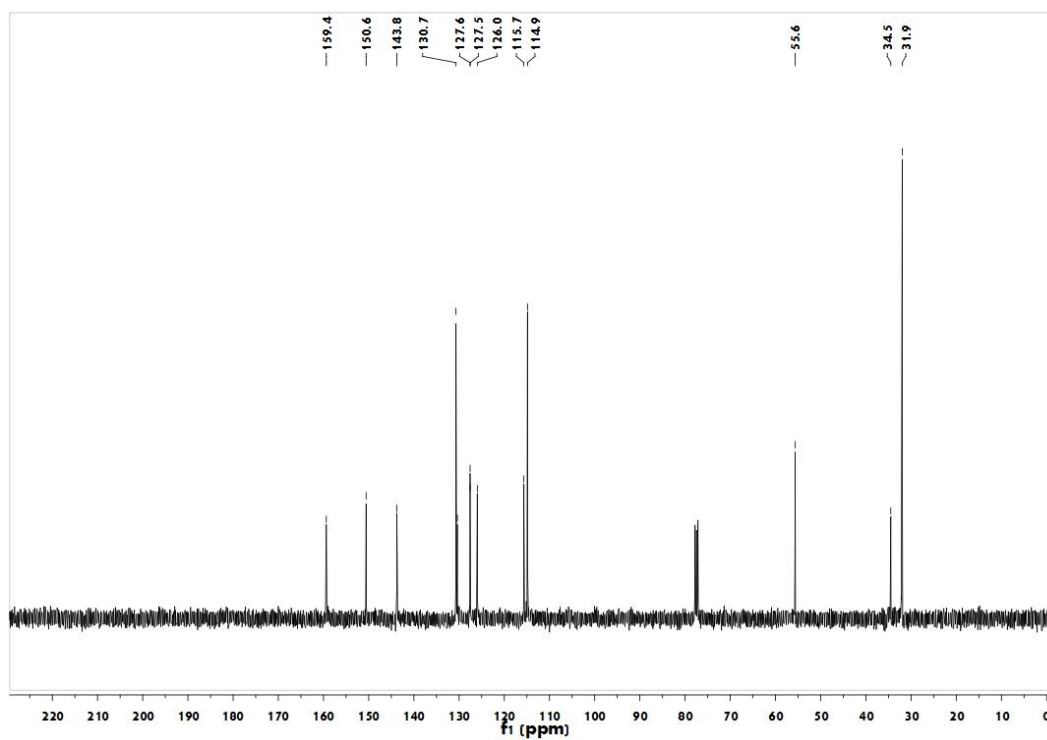
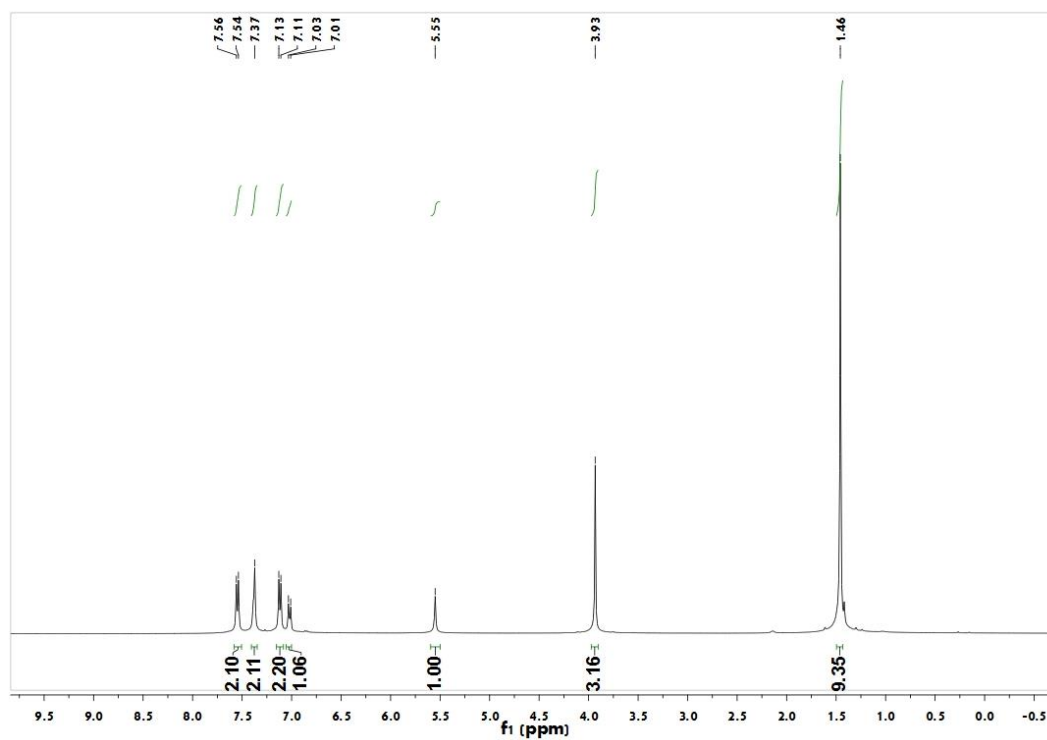
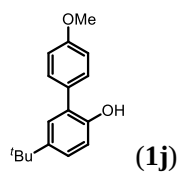
***E-mail:** xluan@nwu.edu.cn

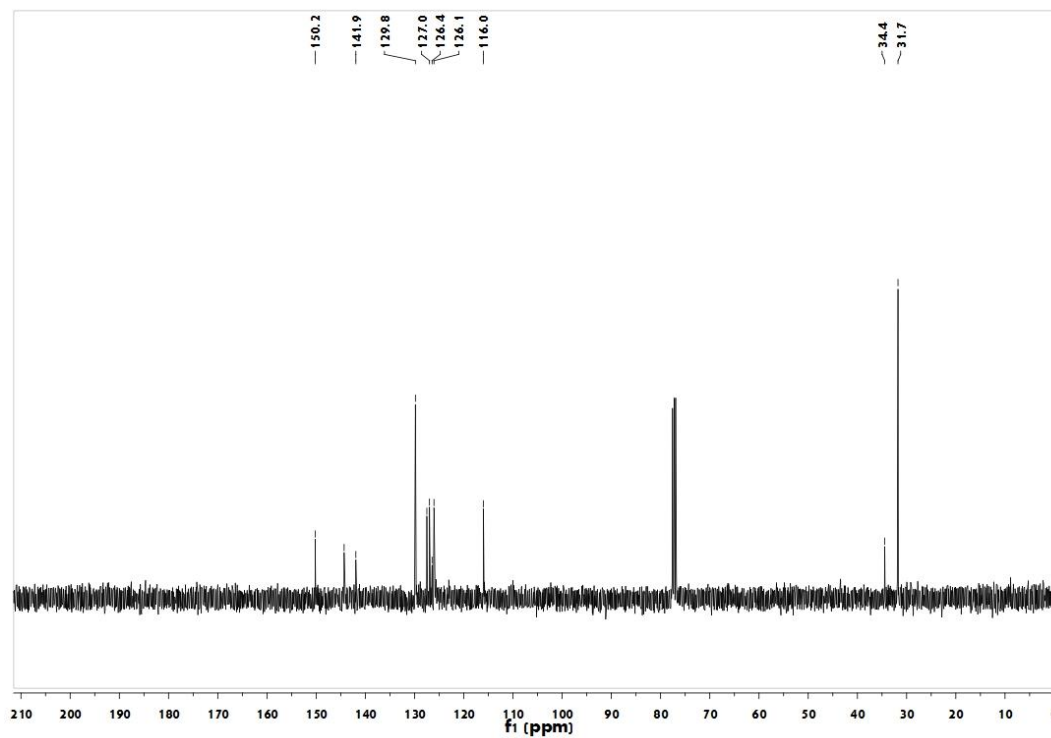
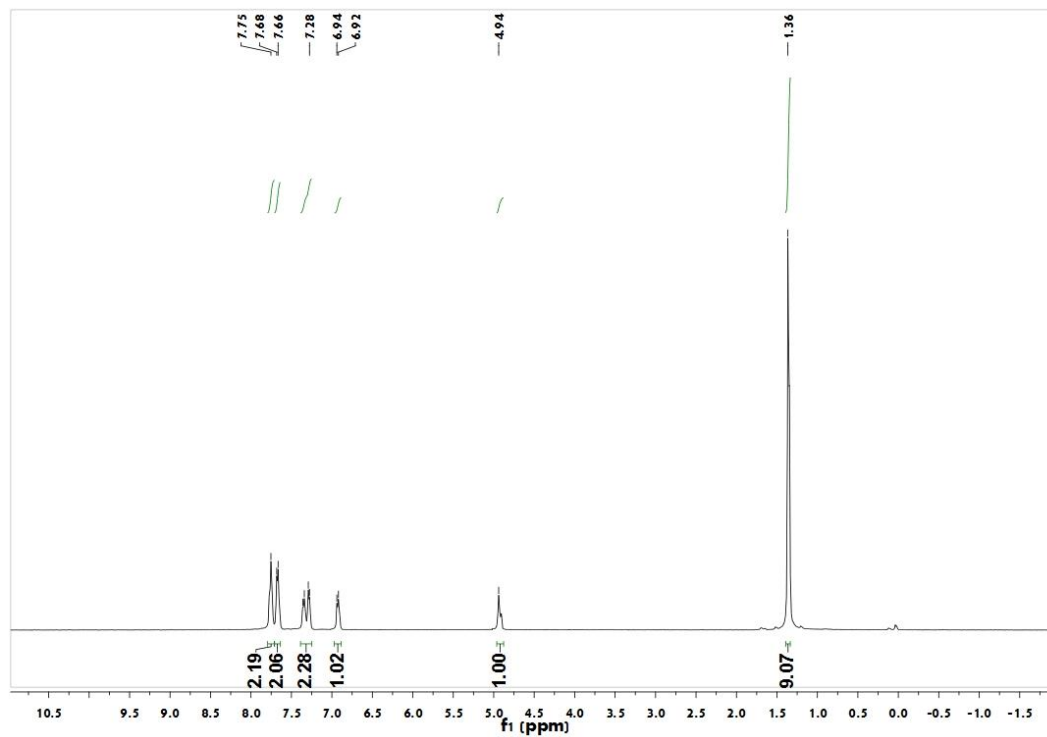
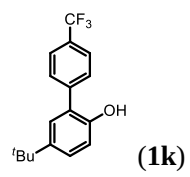
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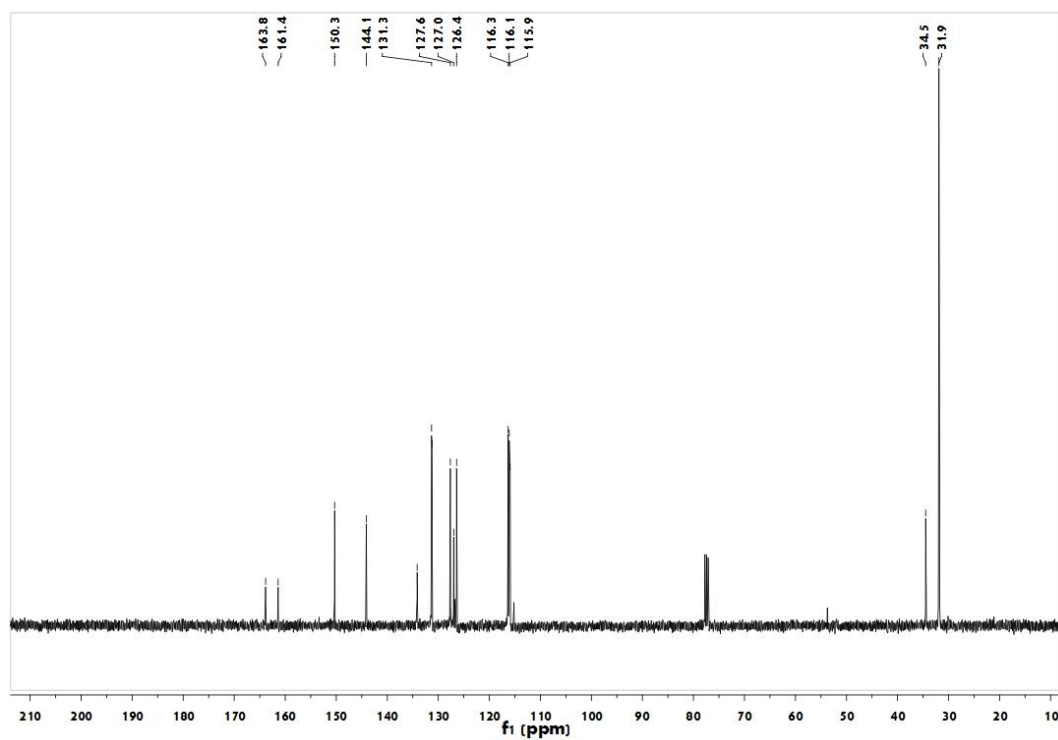
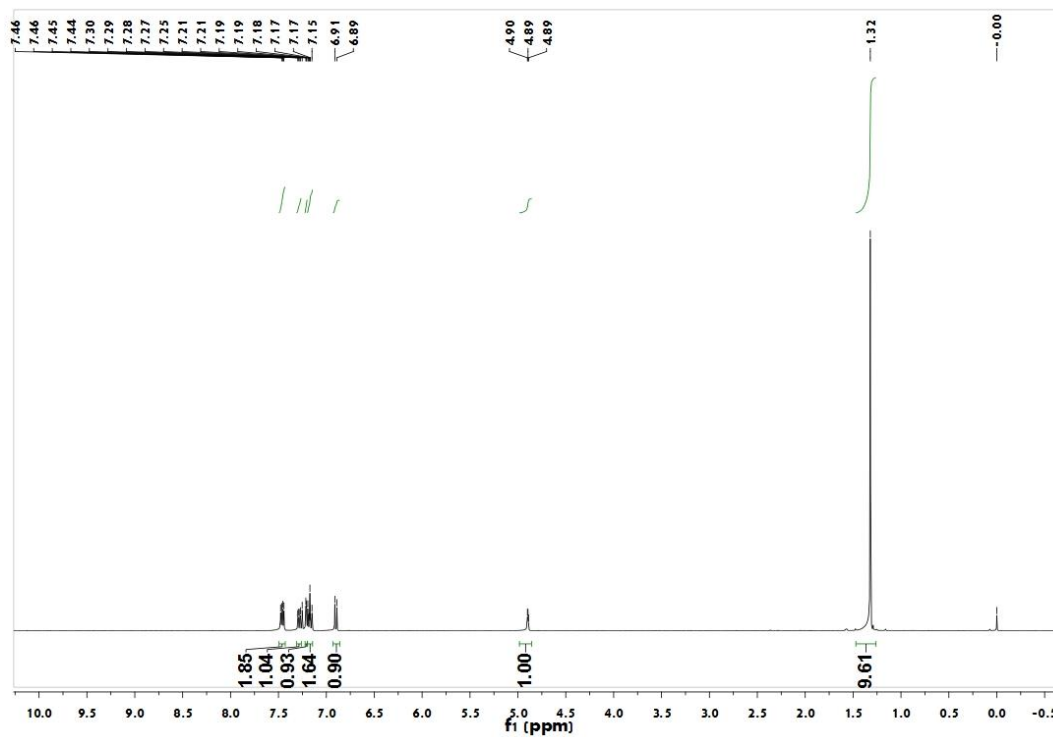
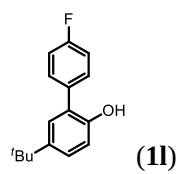


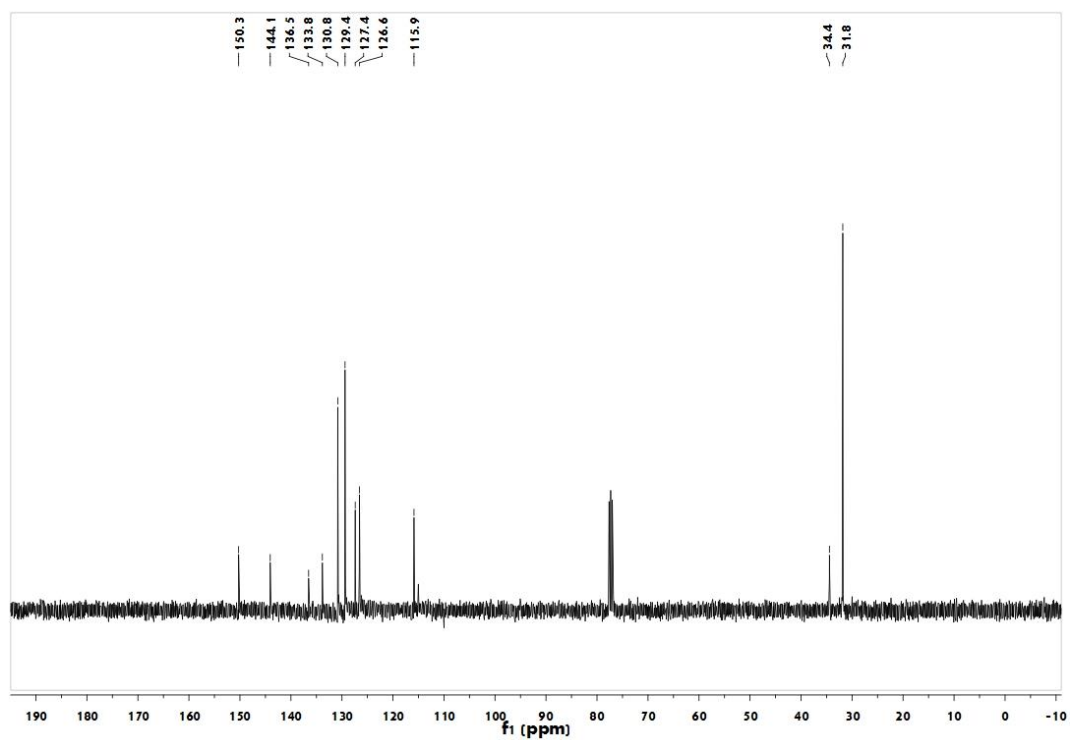
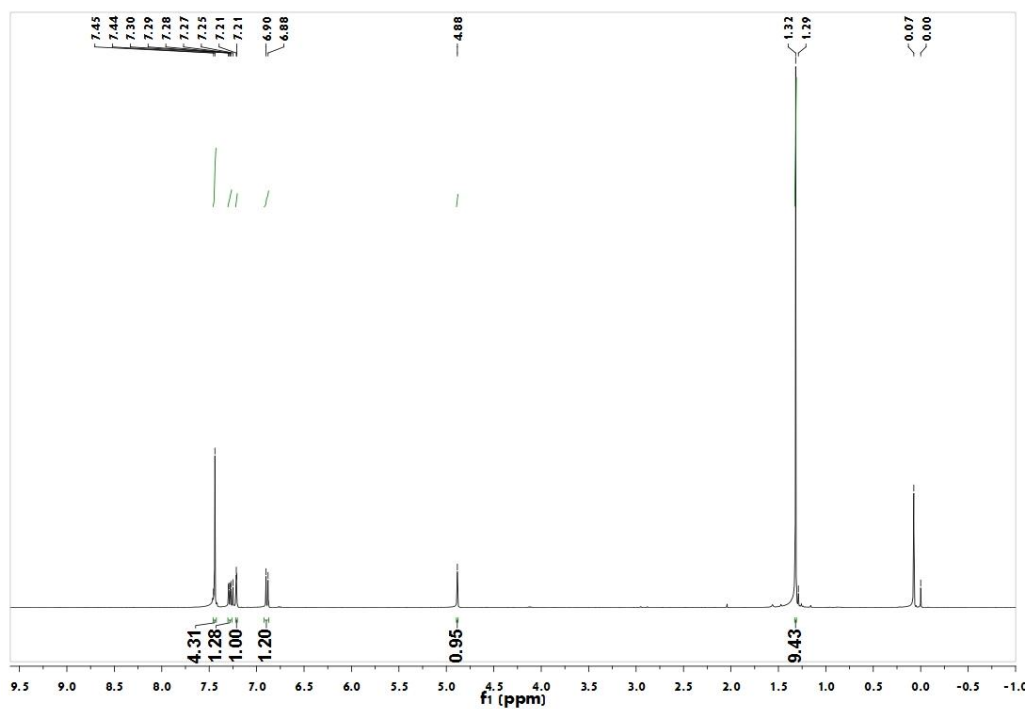
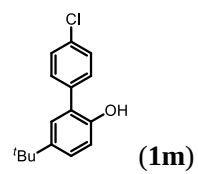


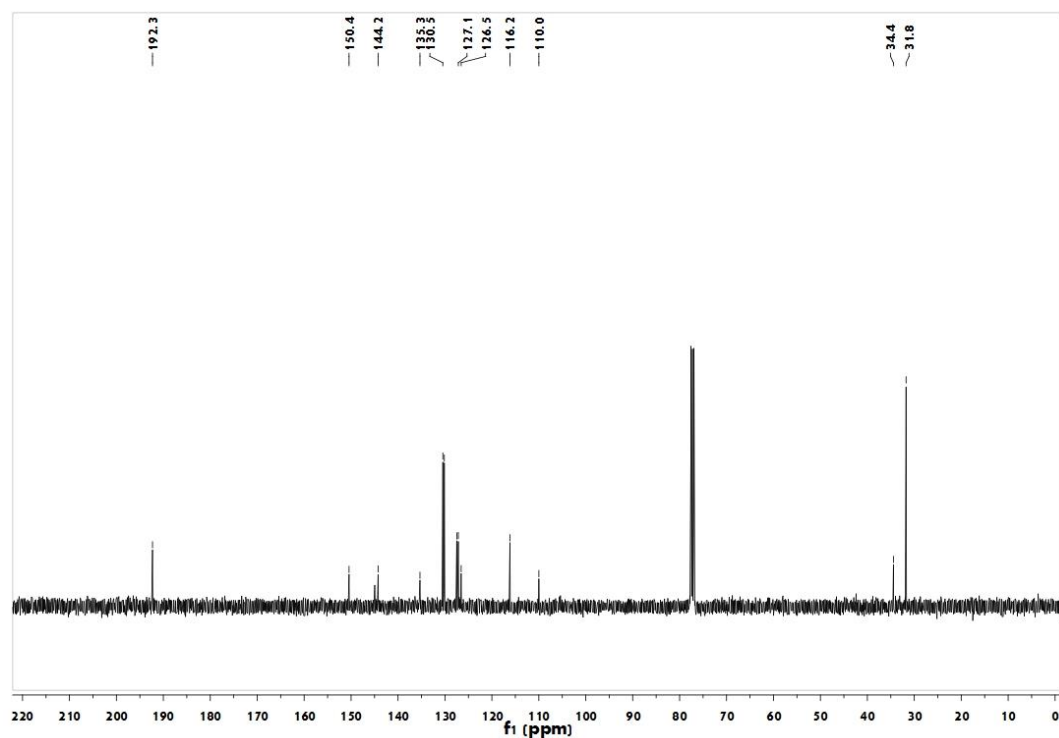
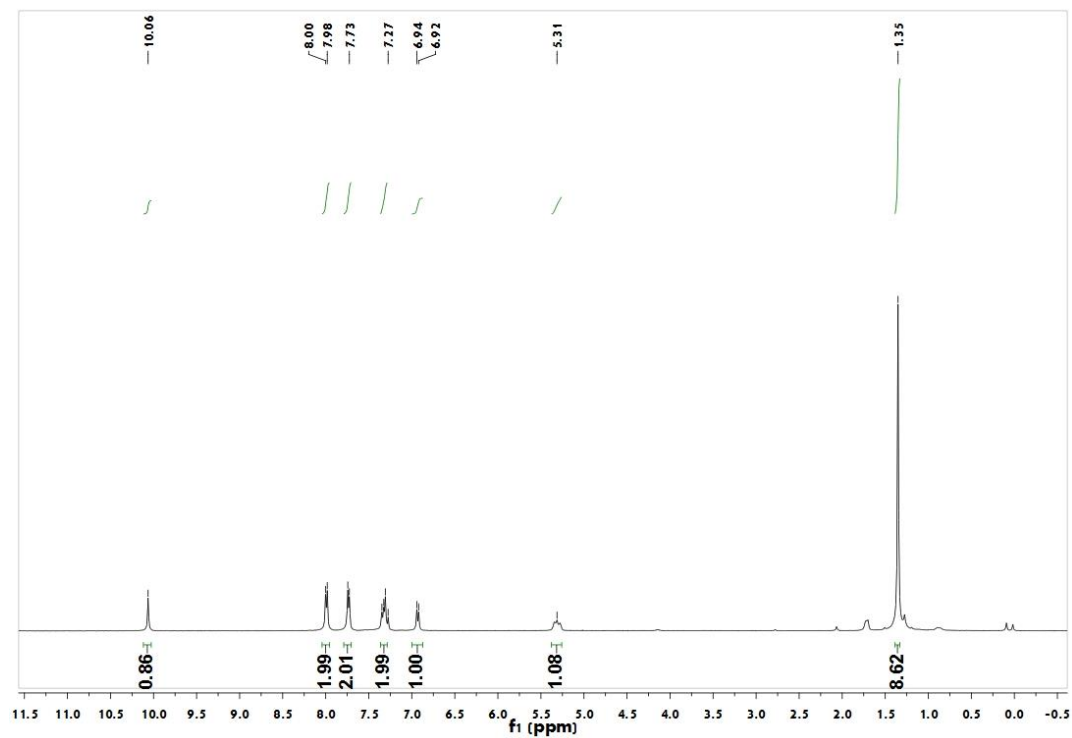
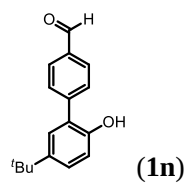


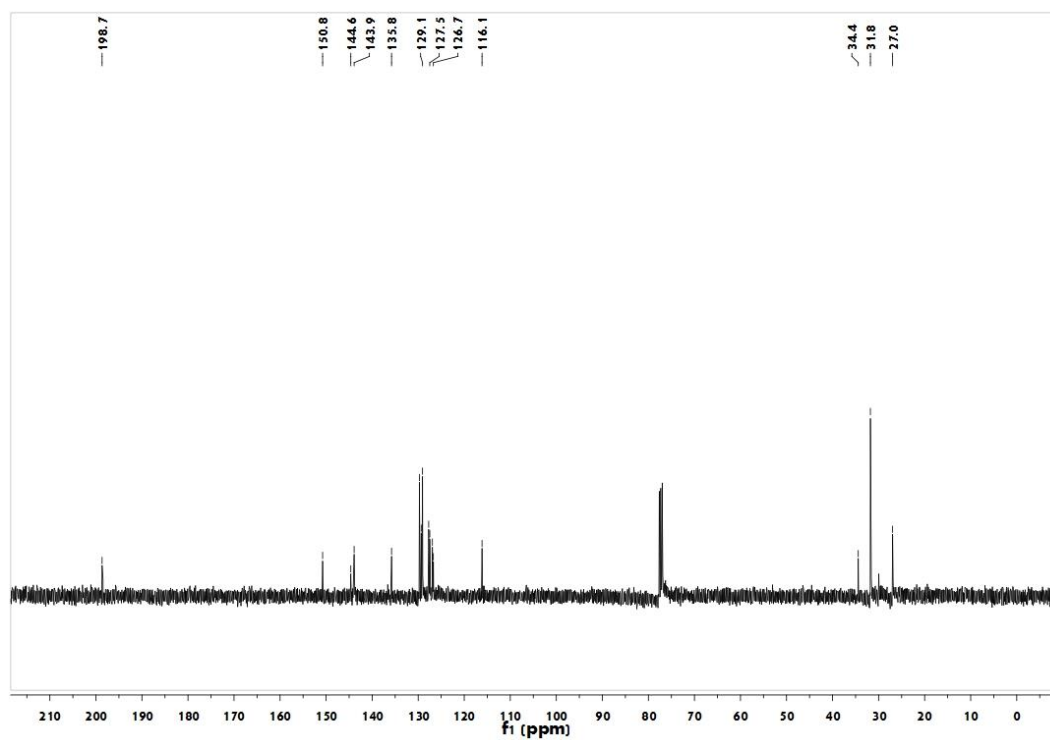
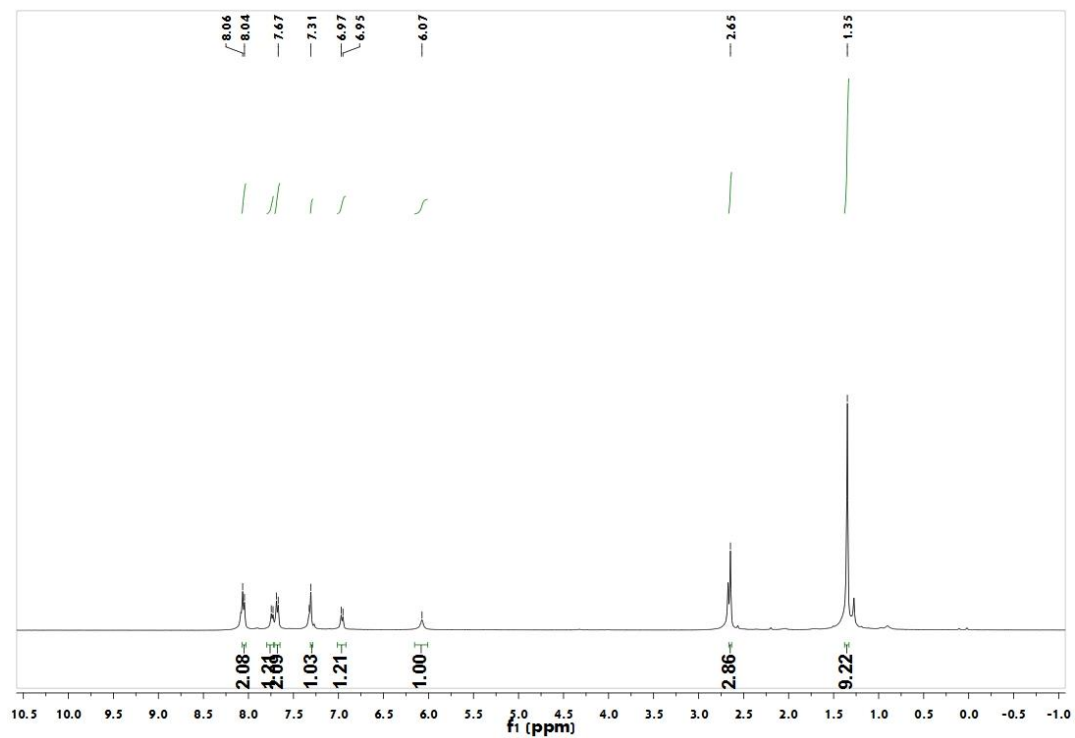
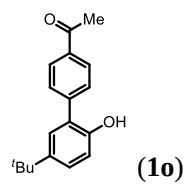


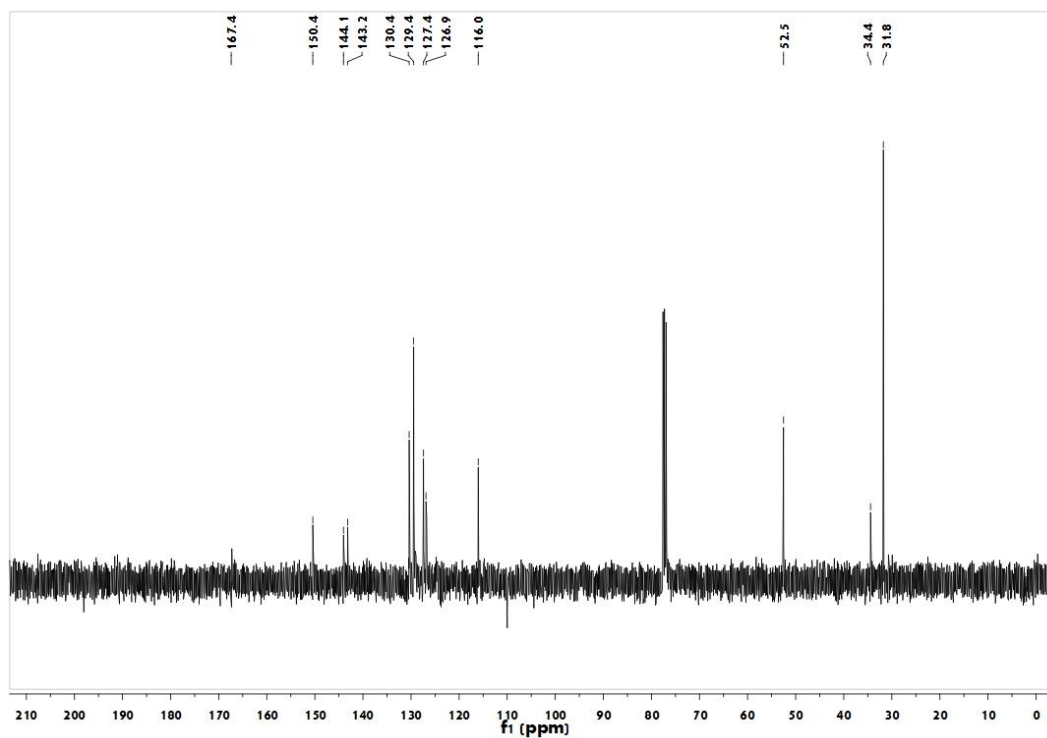
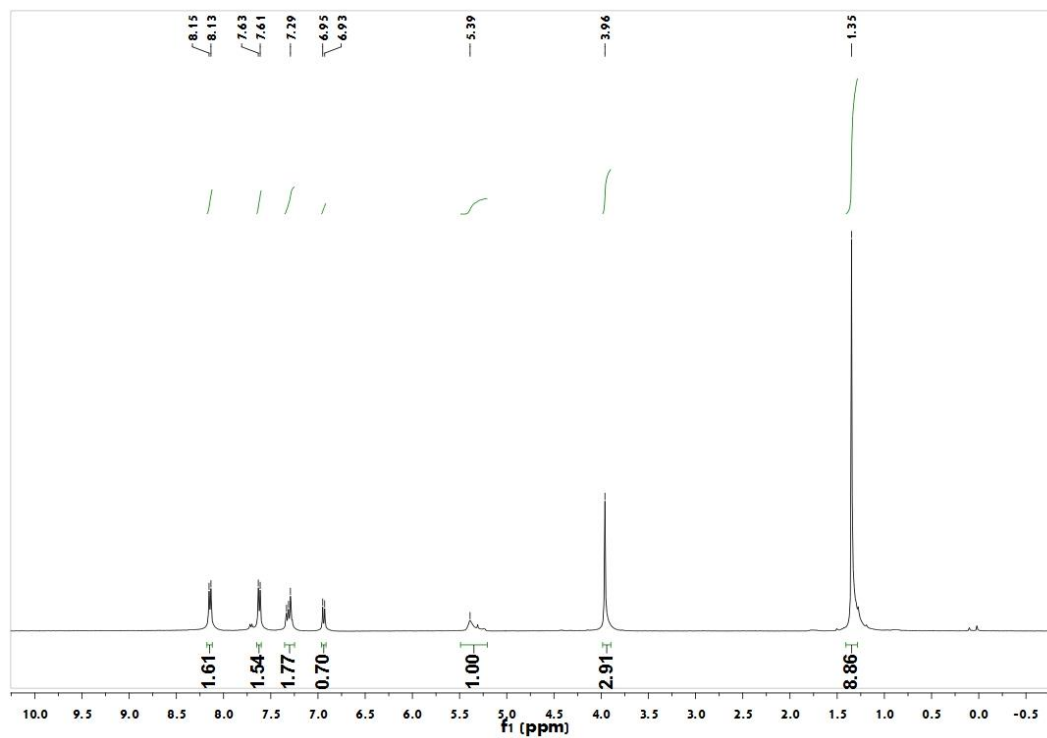
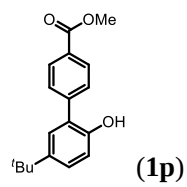


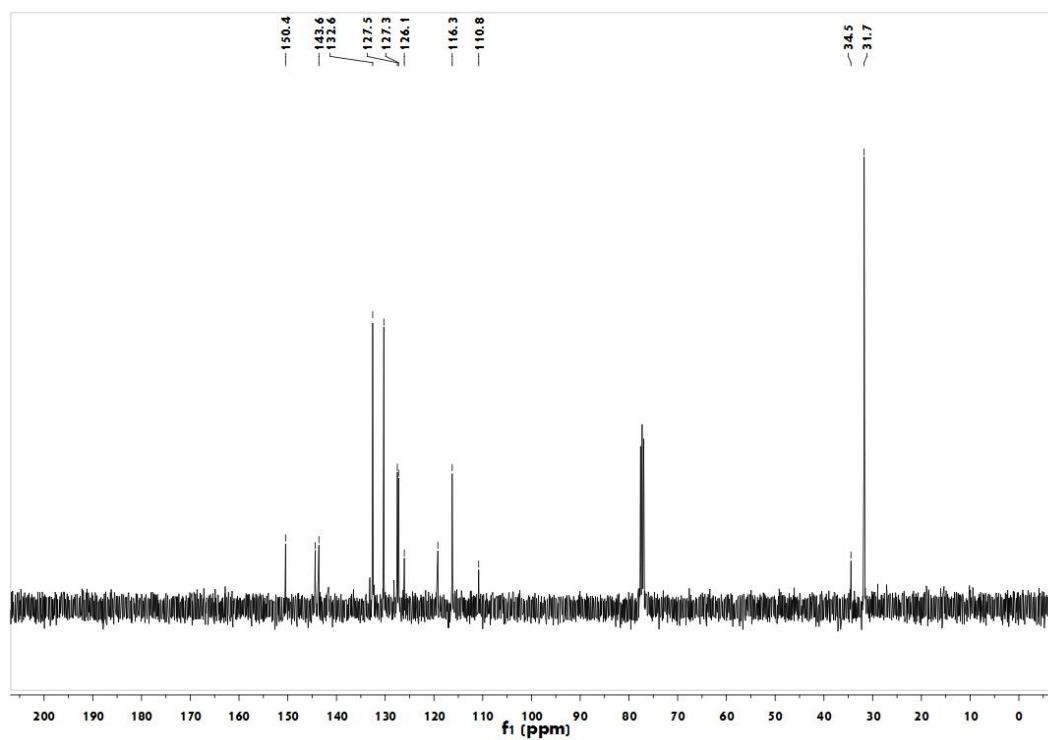
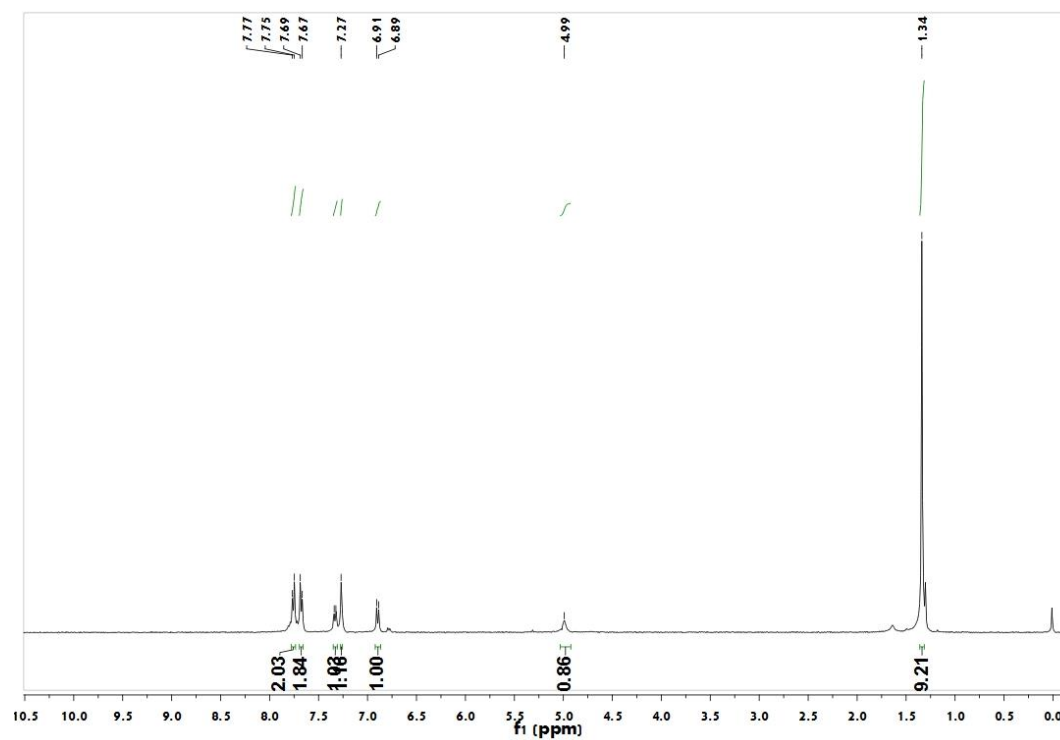
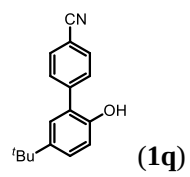


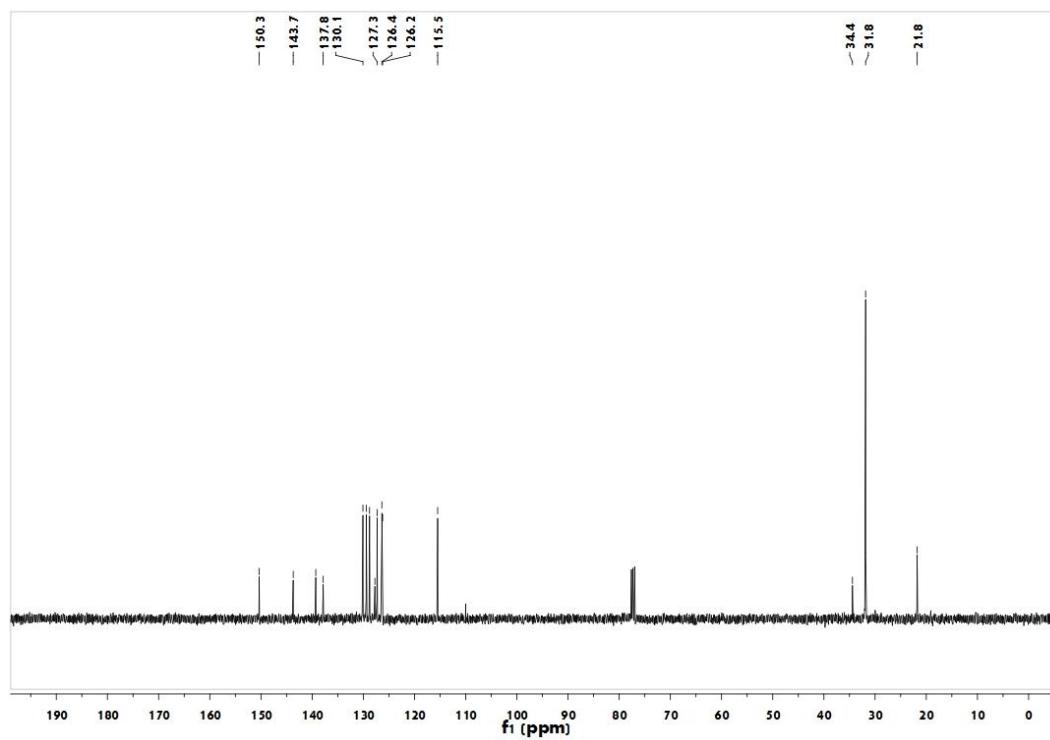
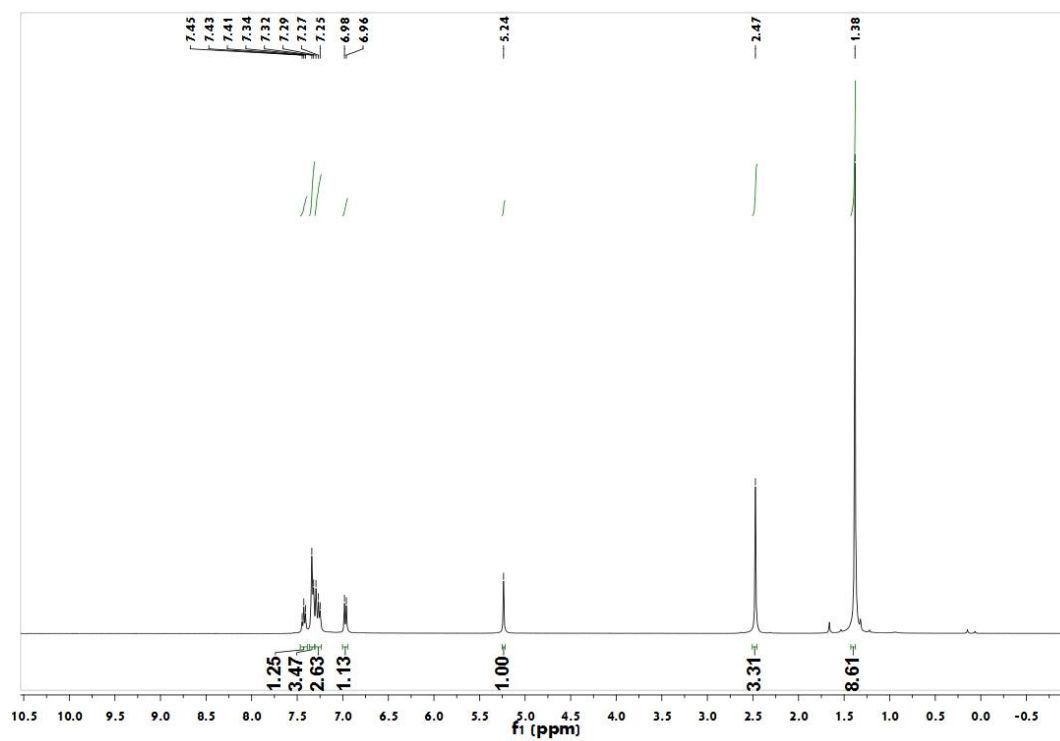
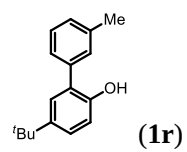


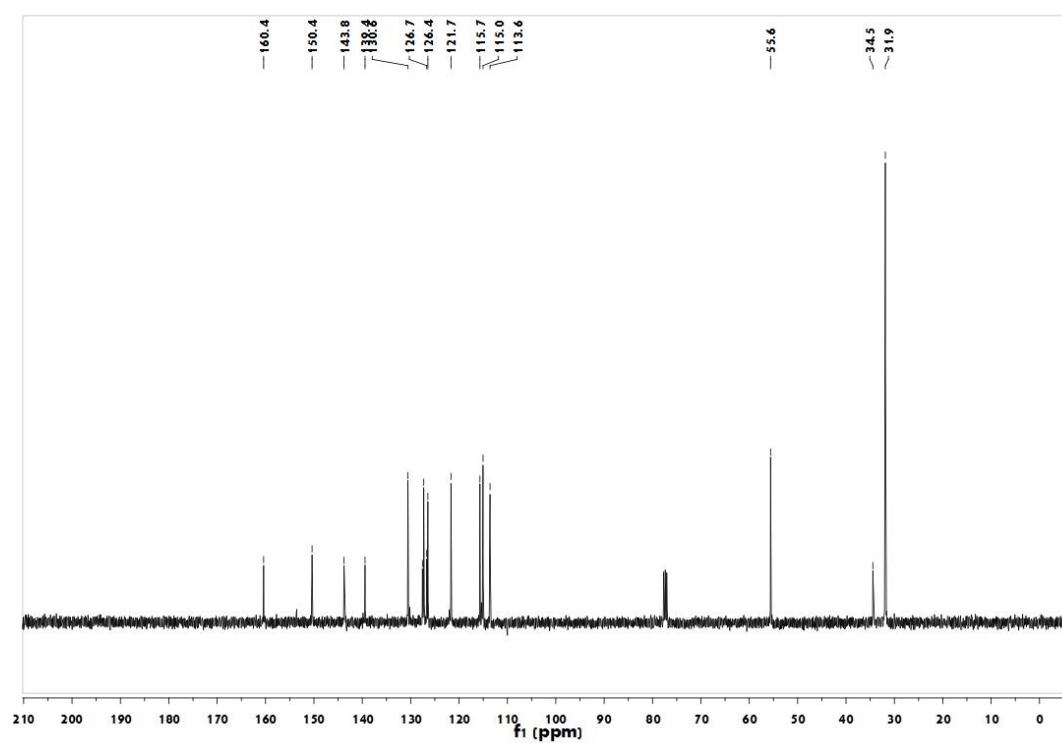
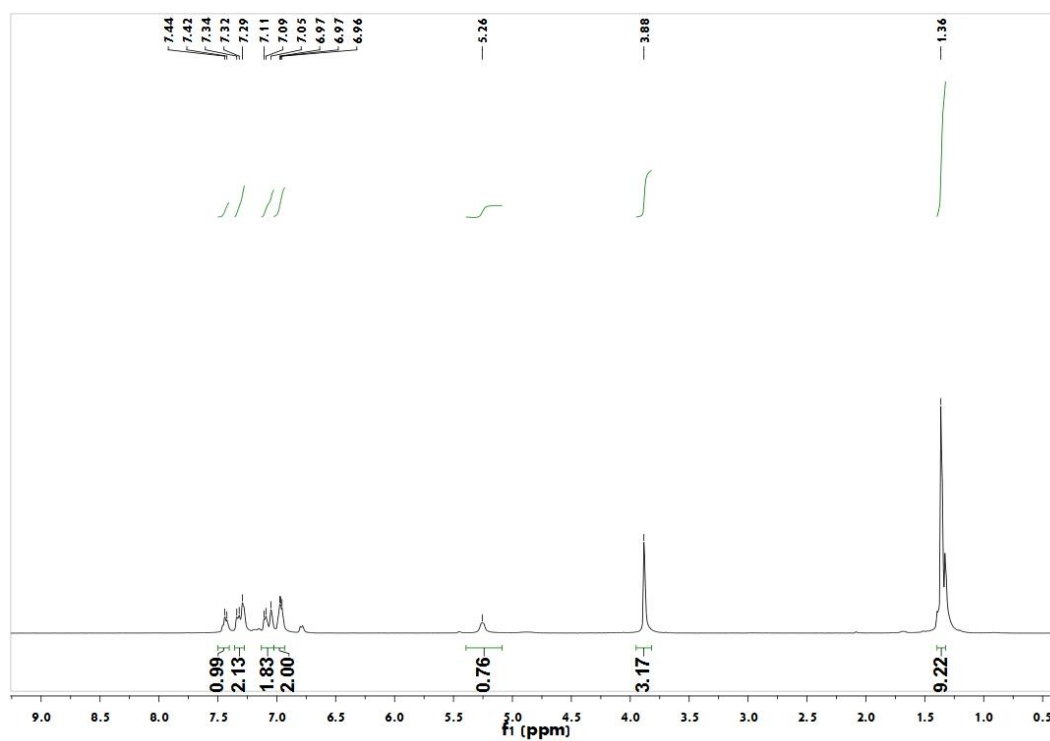
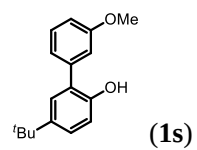


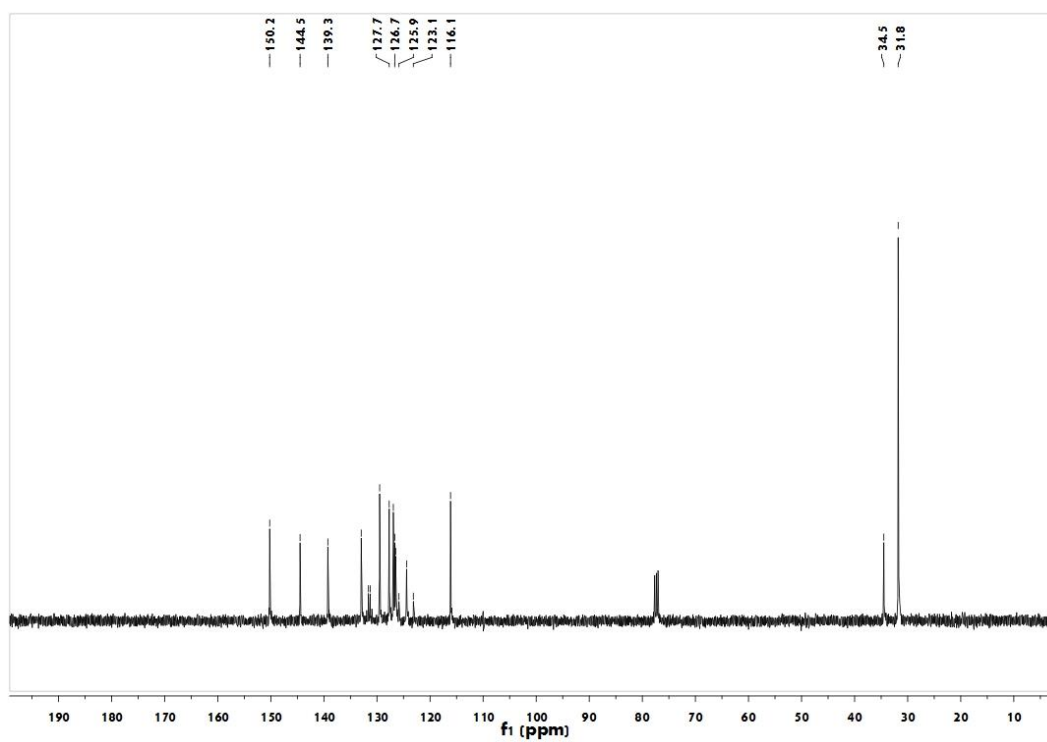
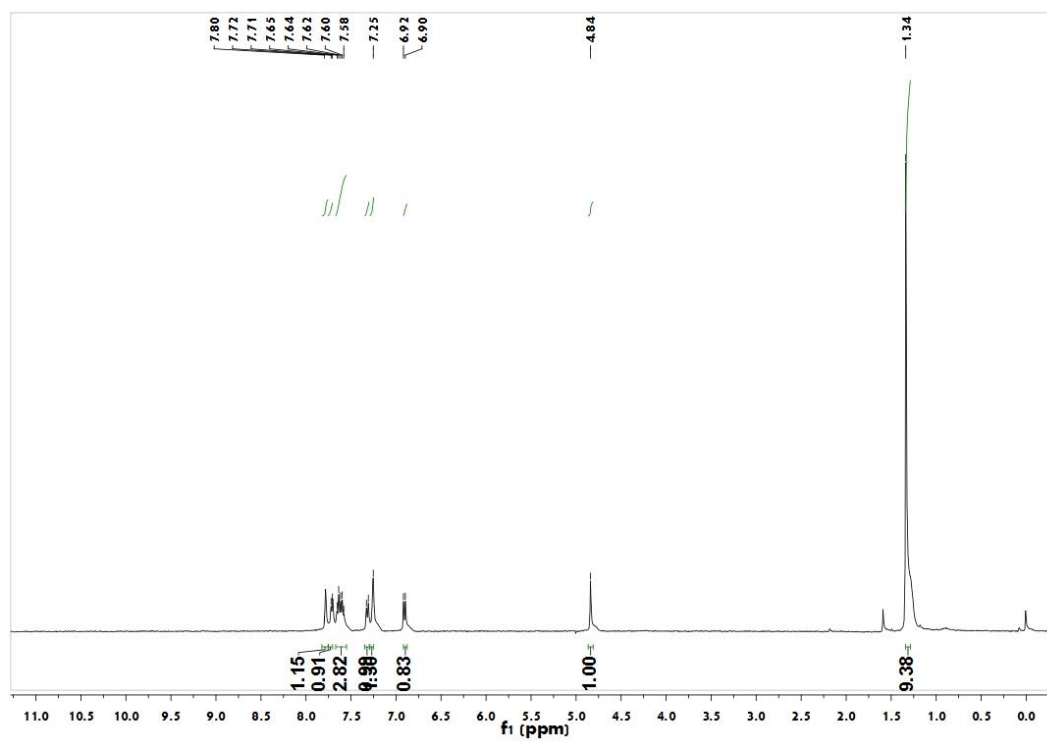
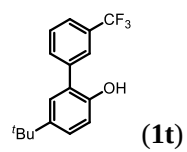


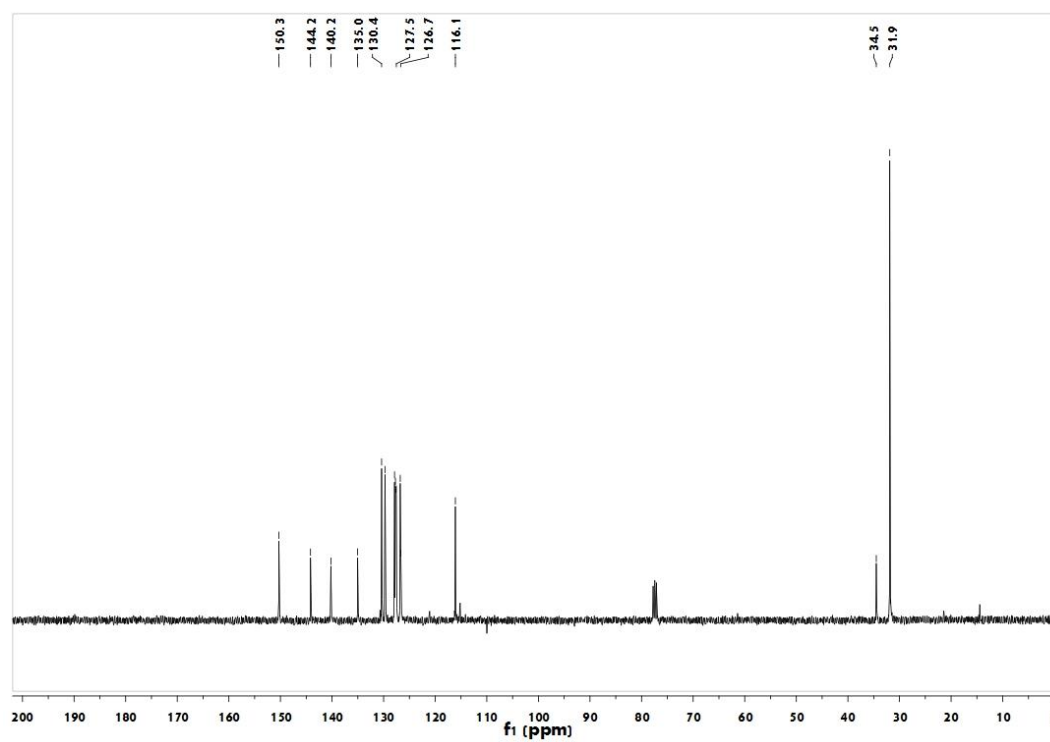
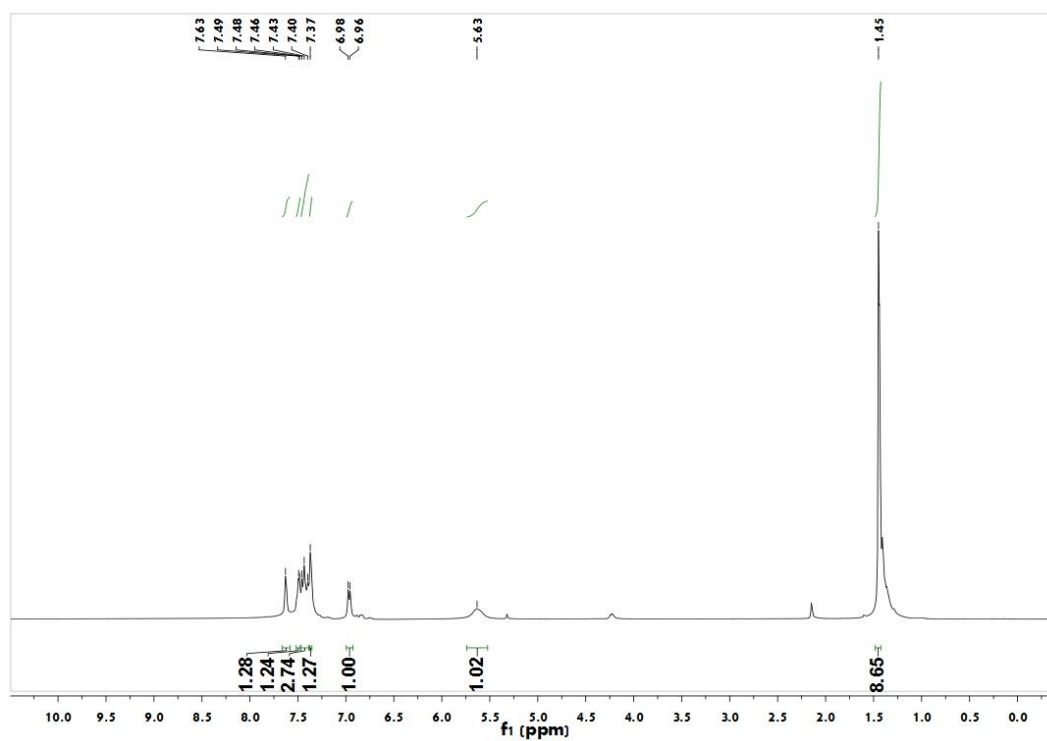
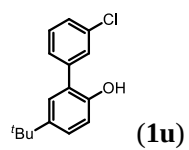


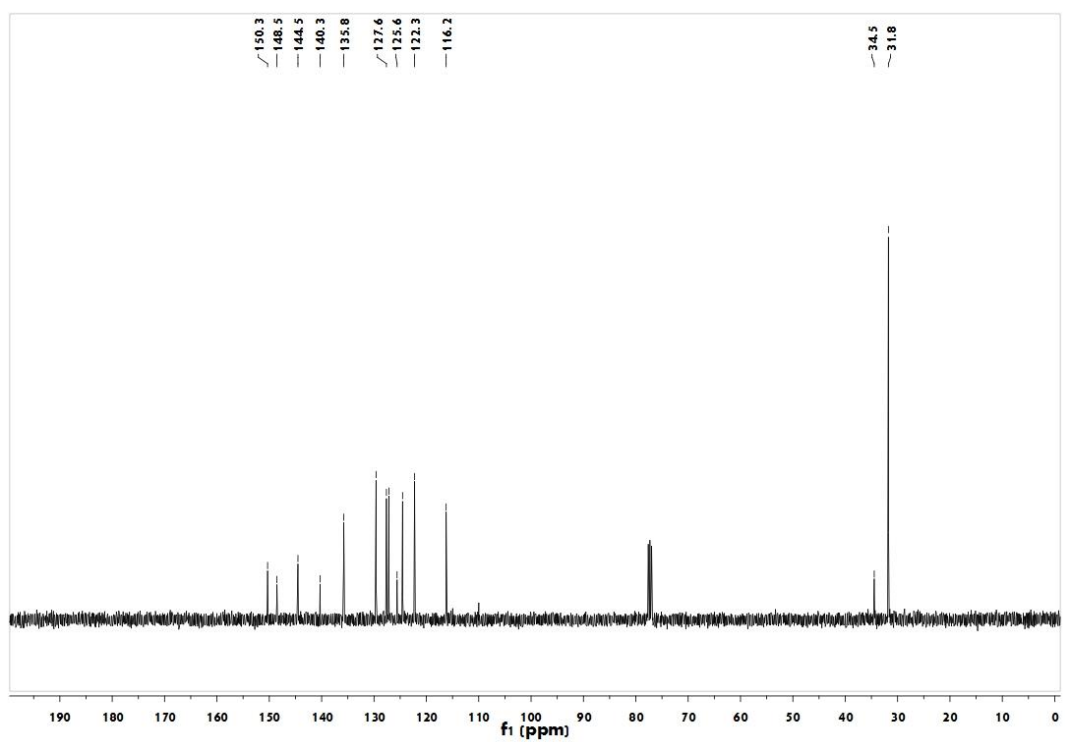
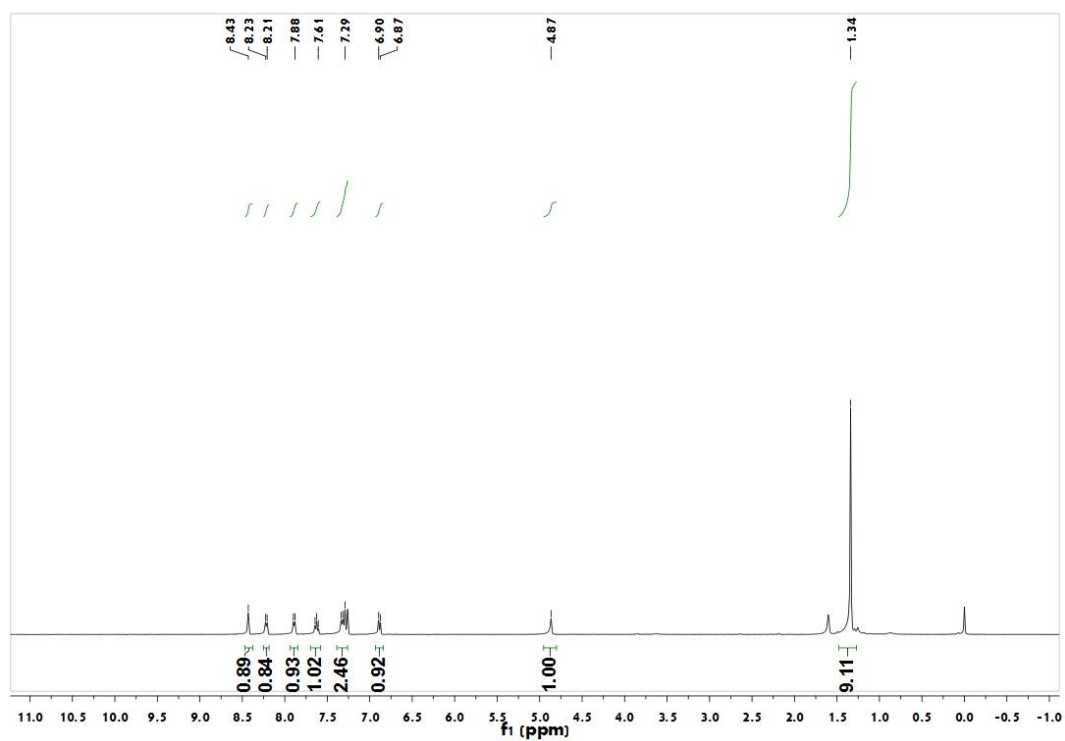
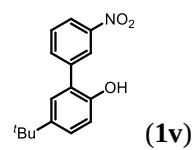


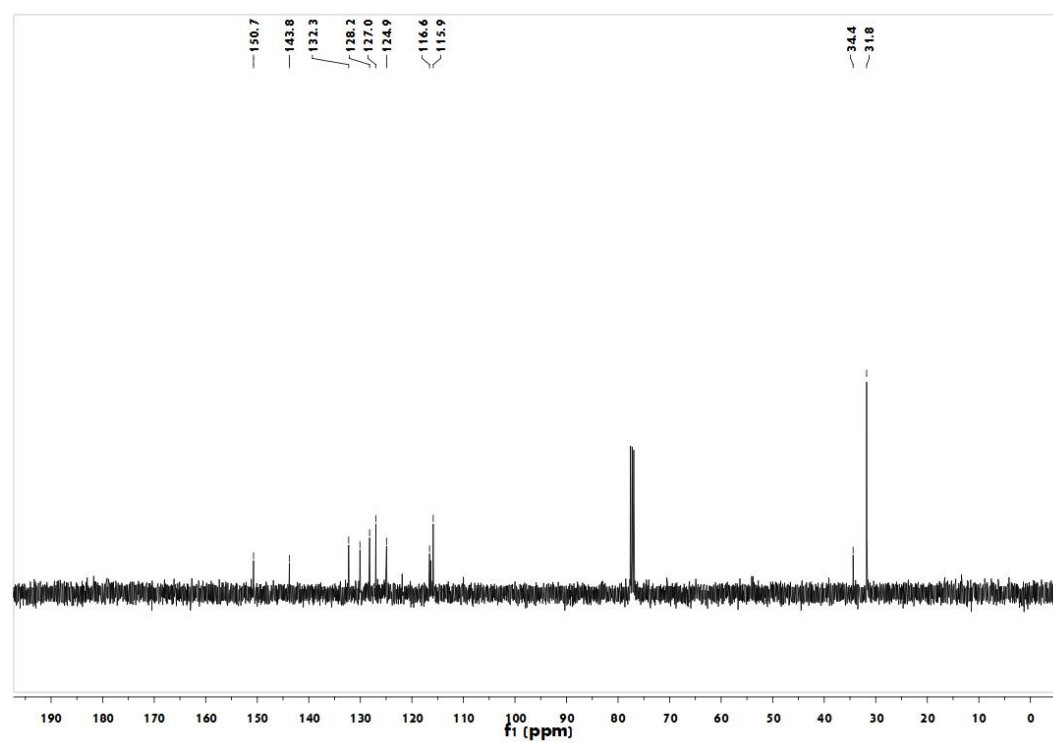
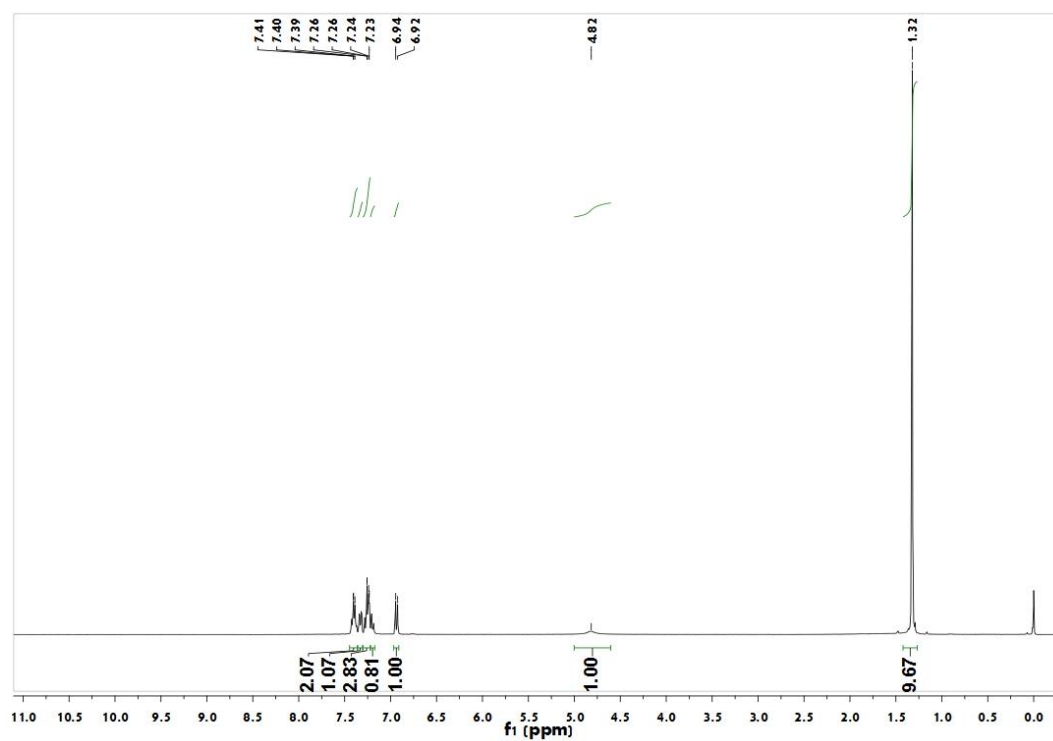
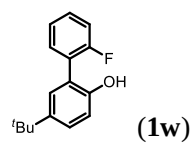


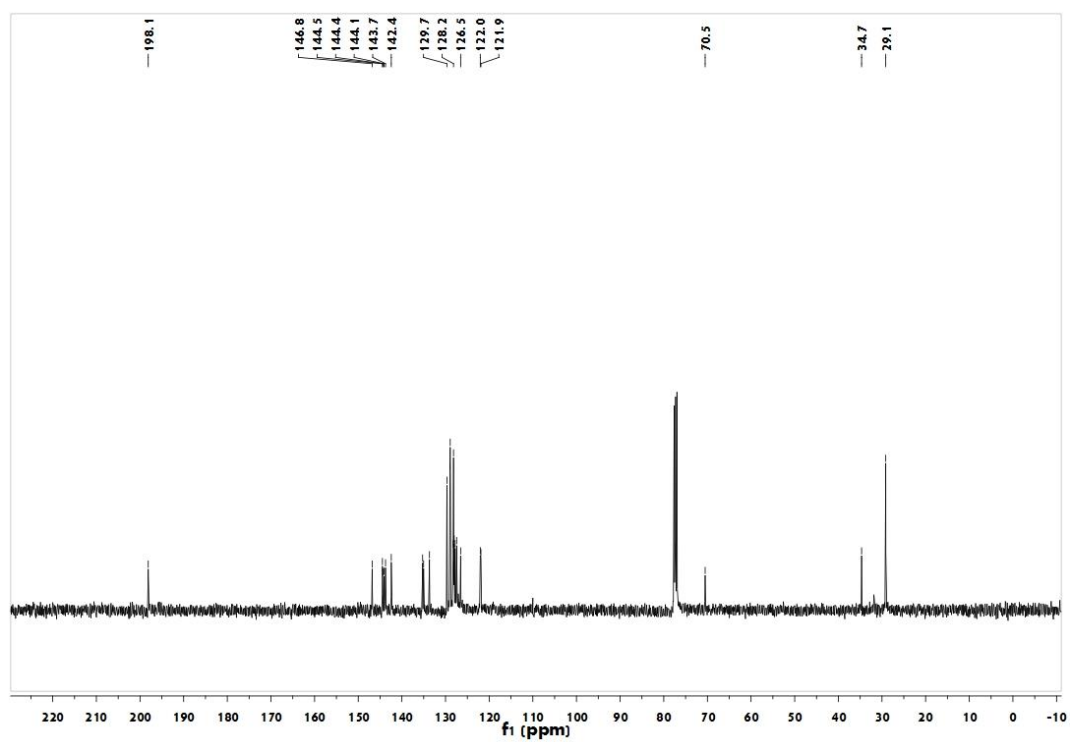
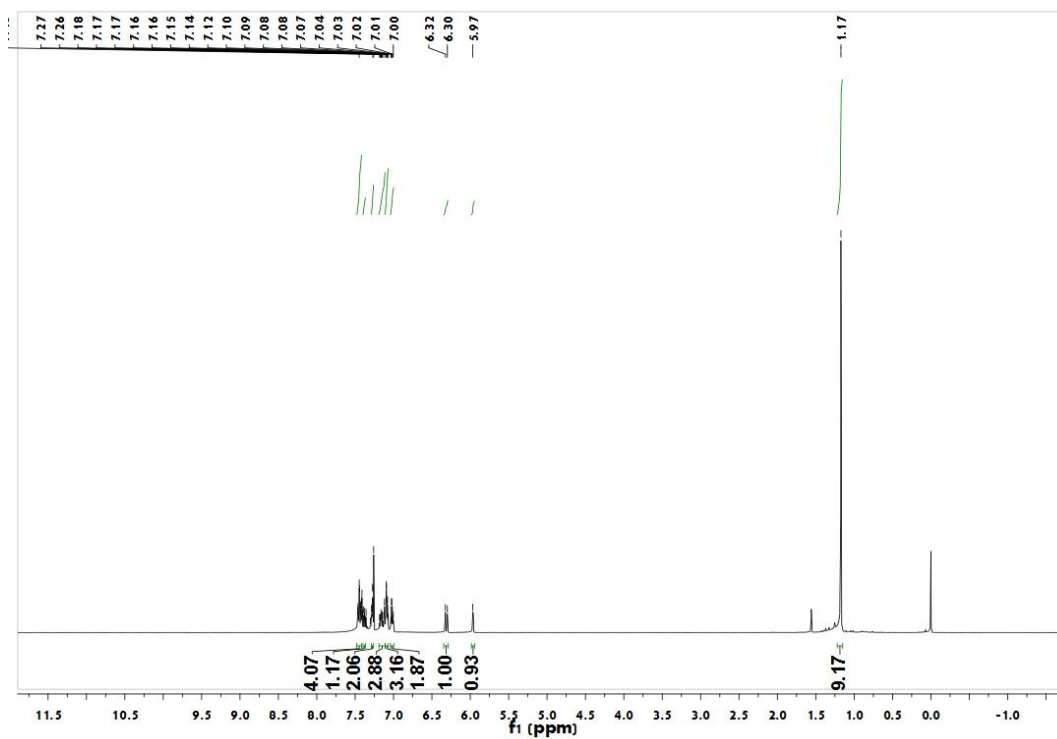
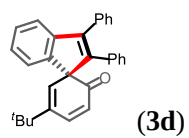


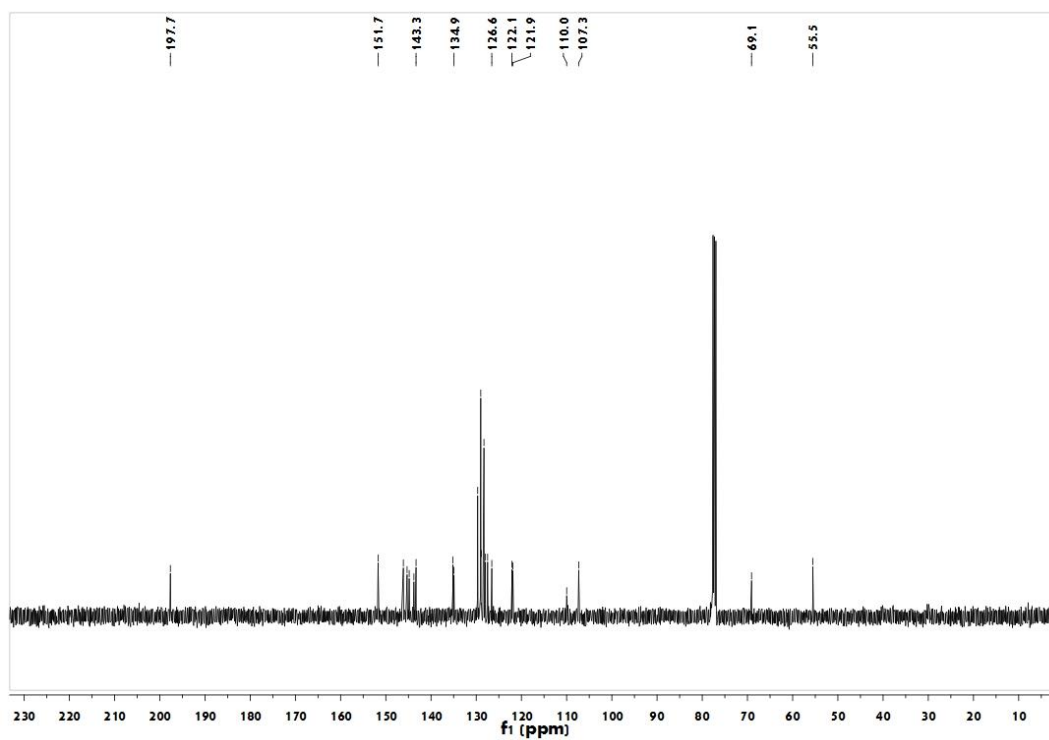
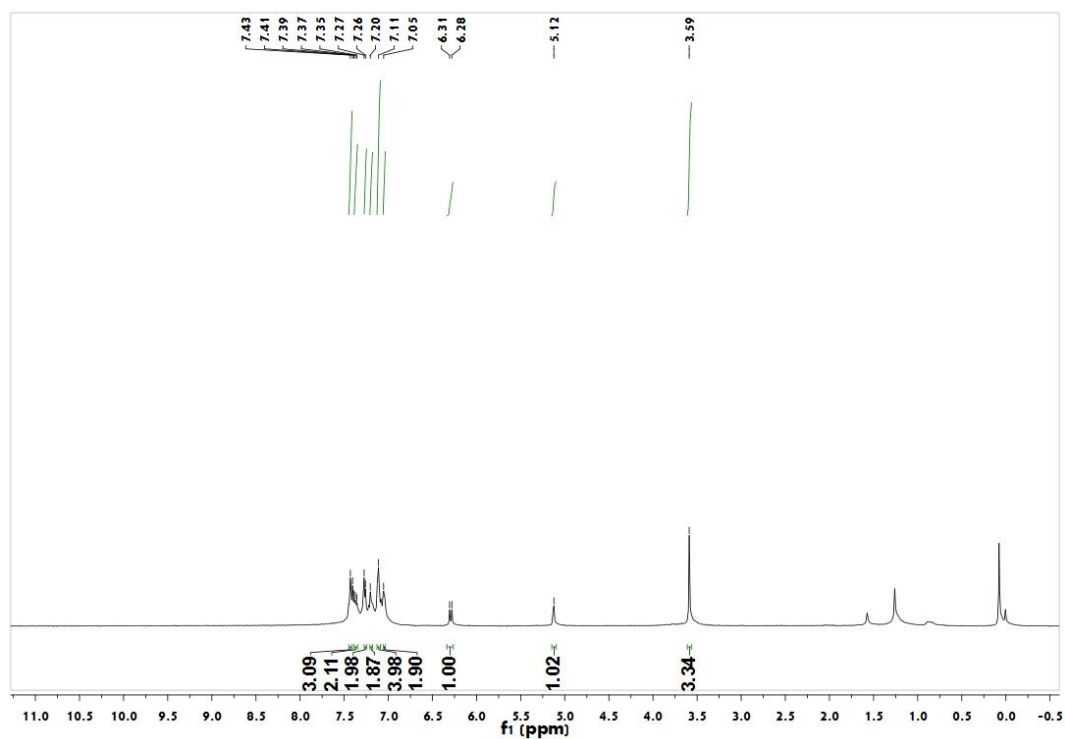
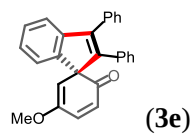


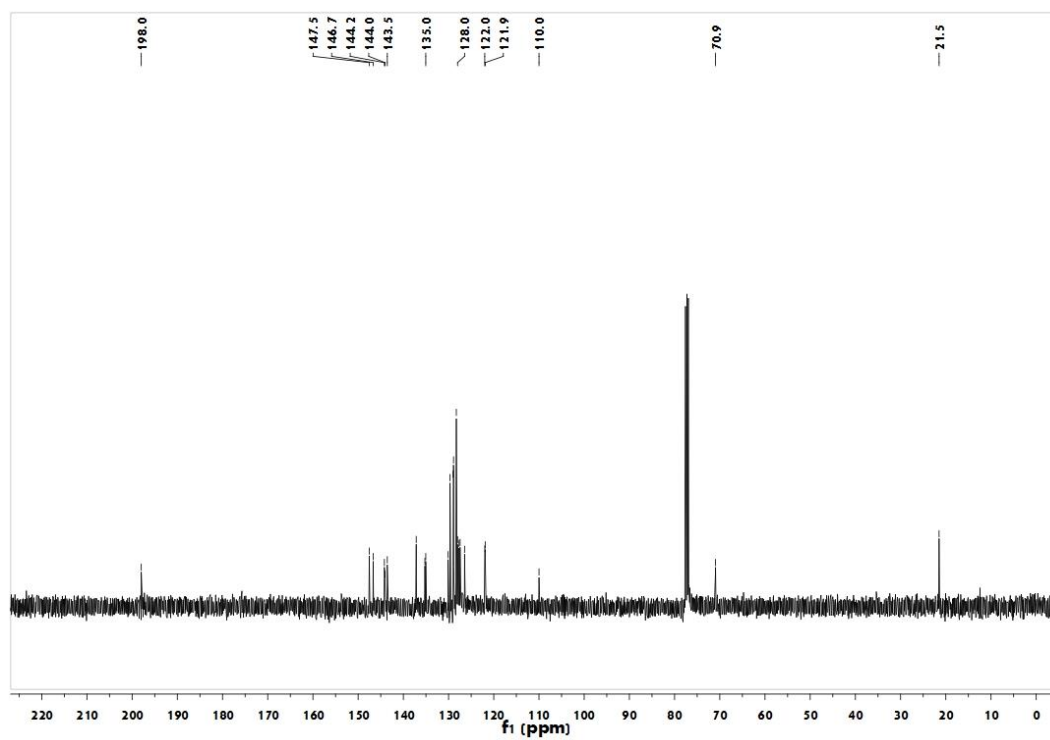
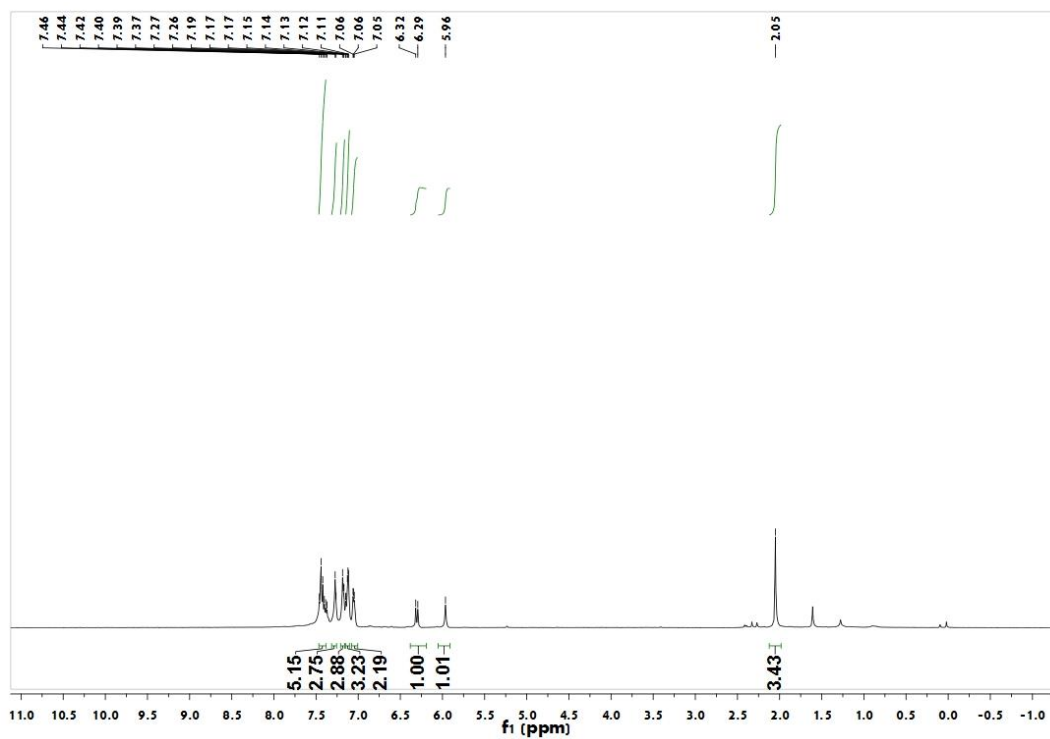
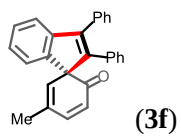


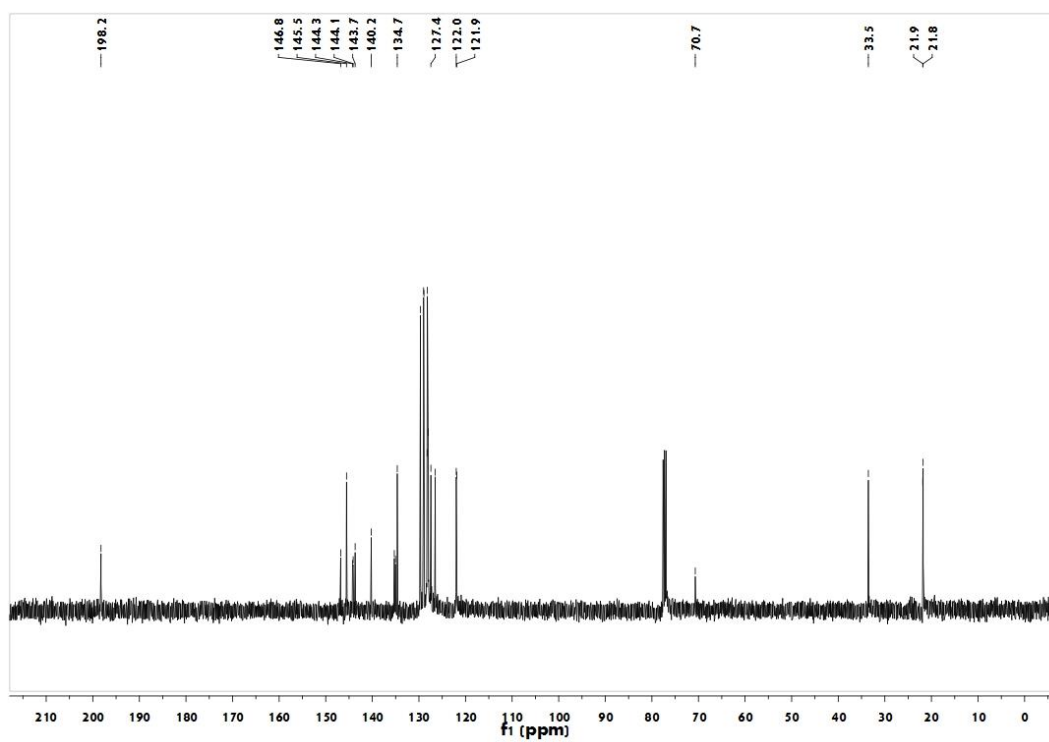
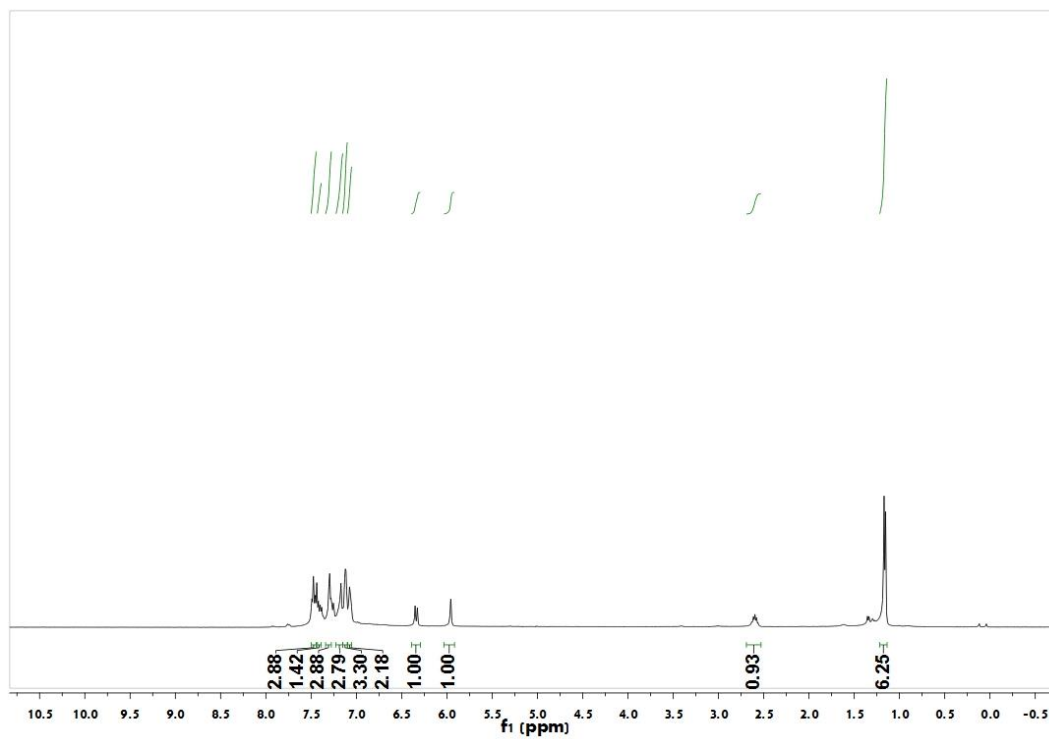
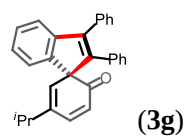


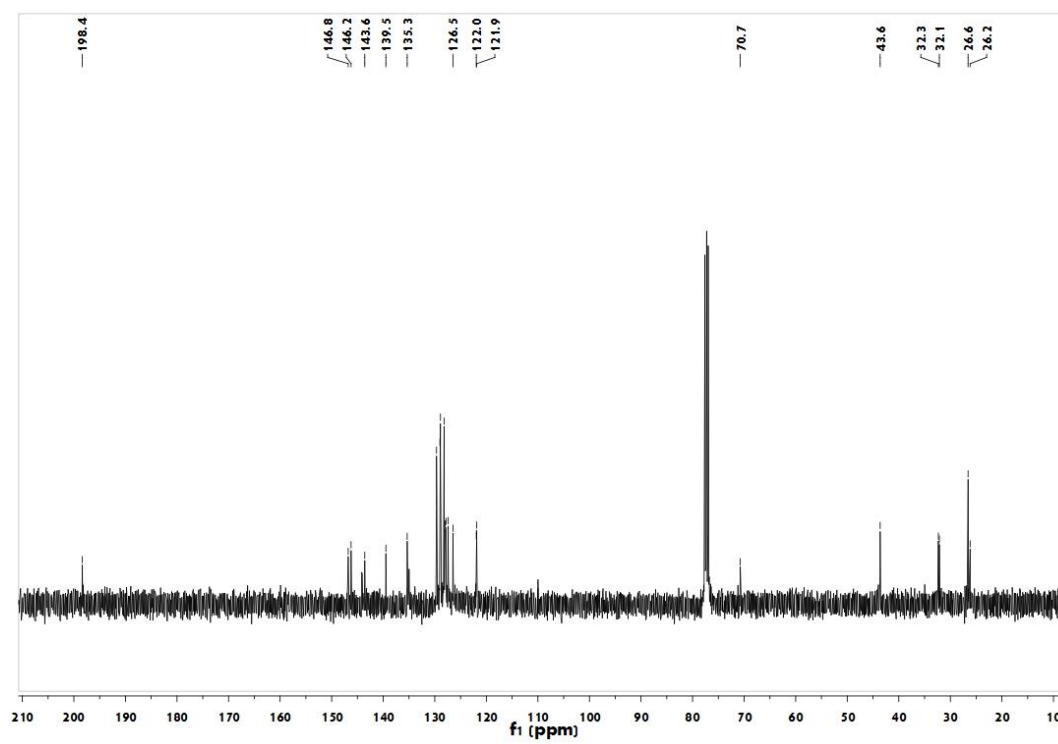
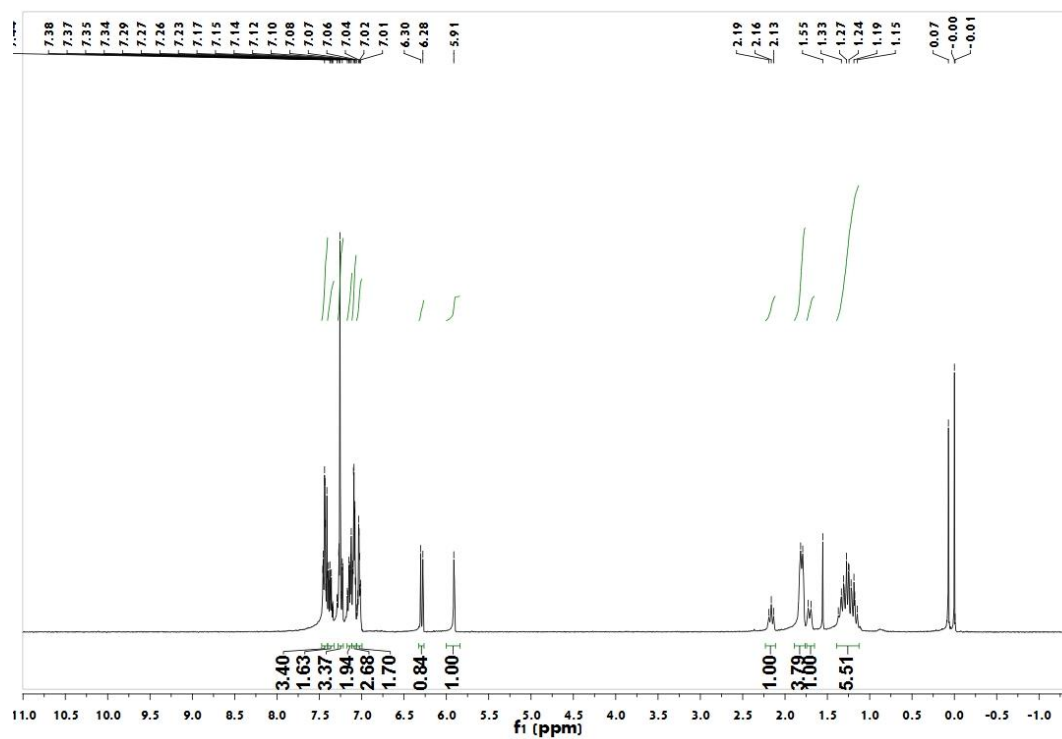
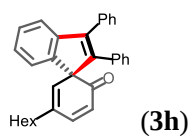


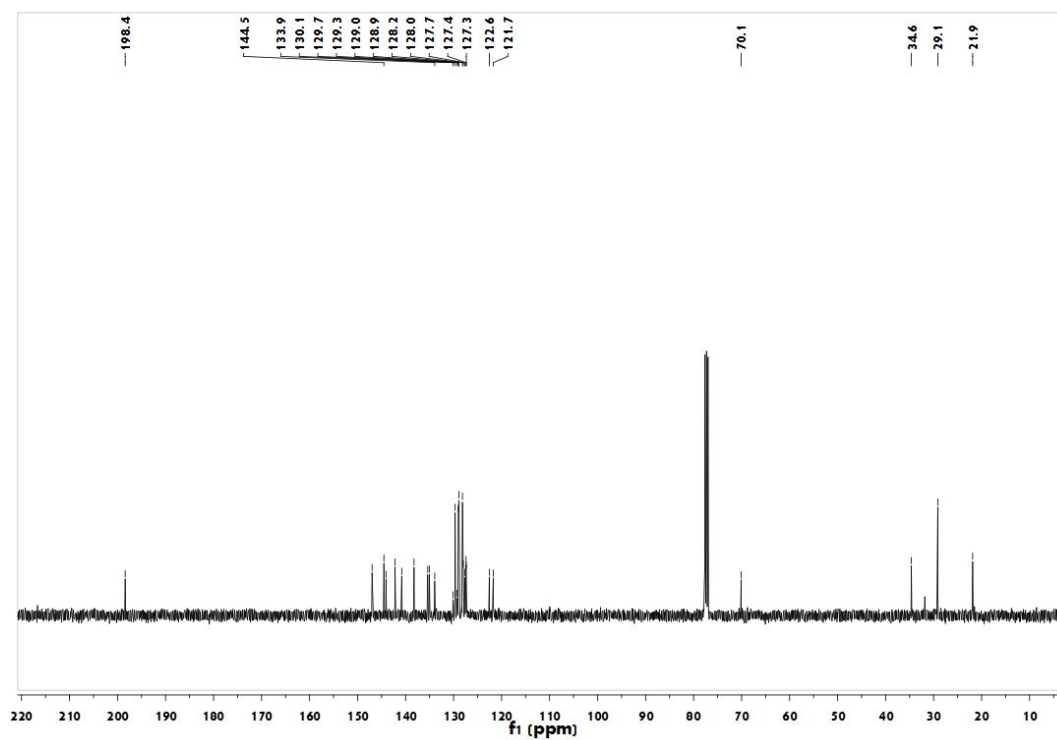
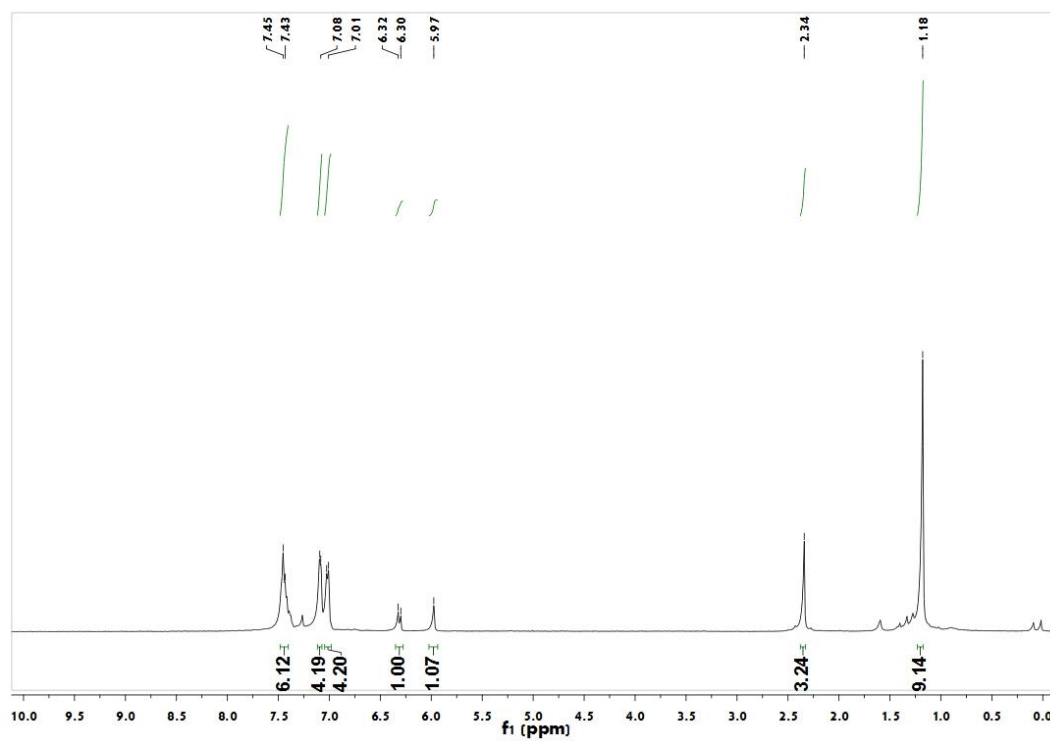
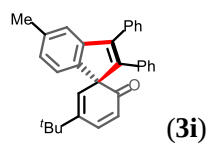


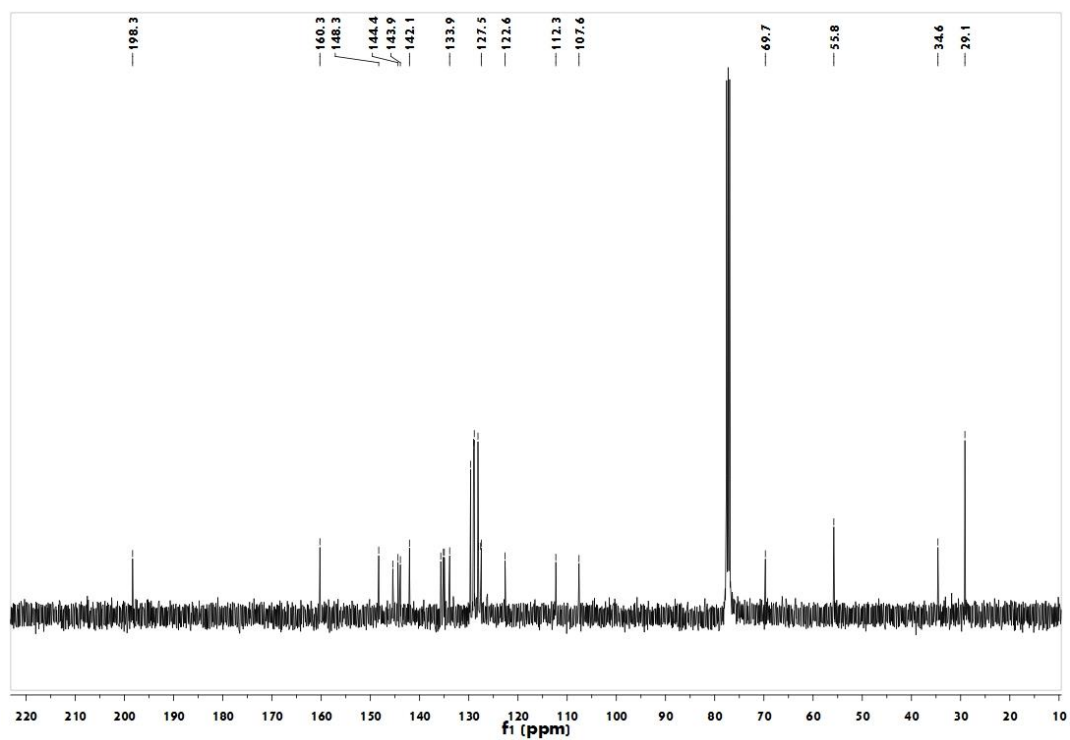
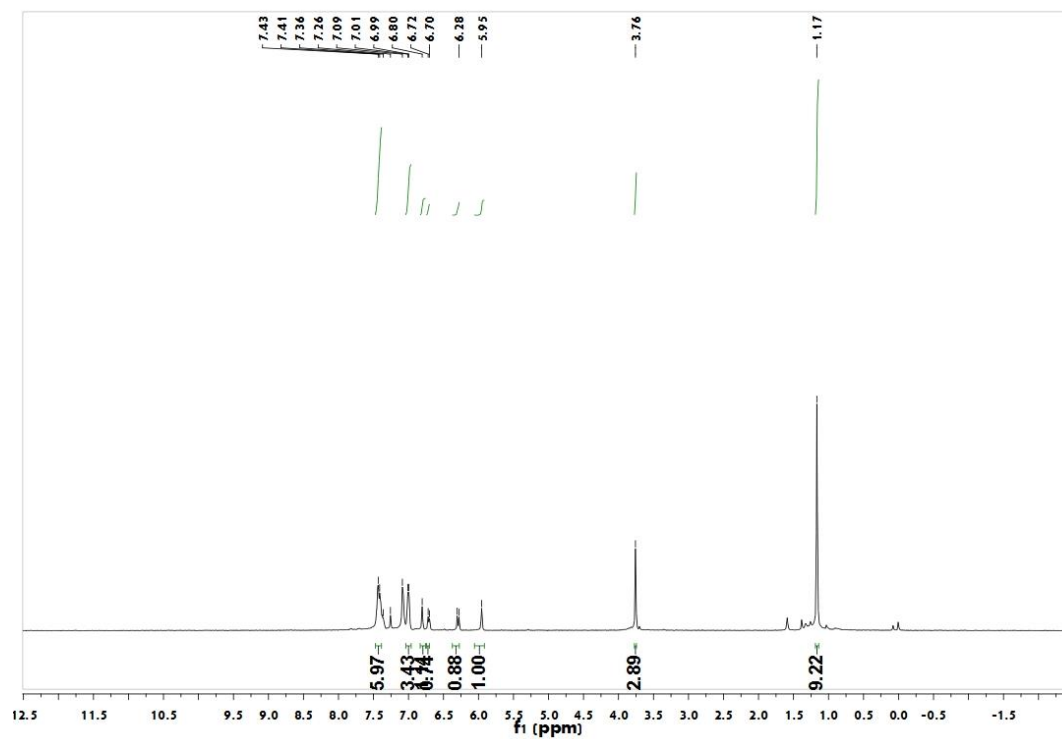
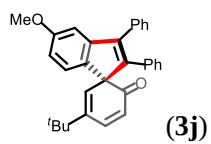


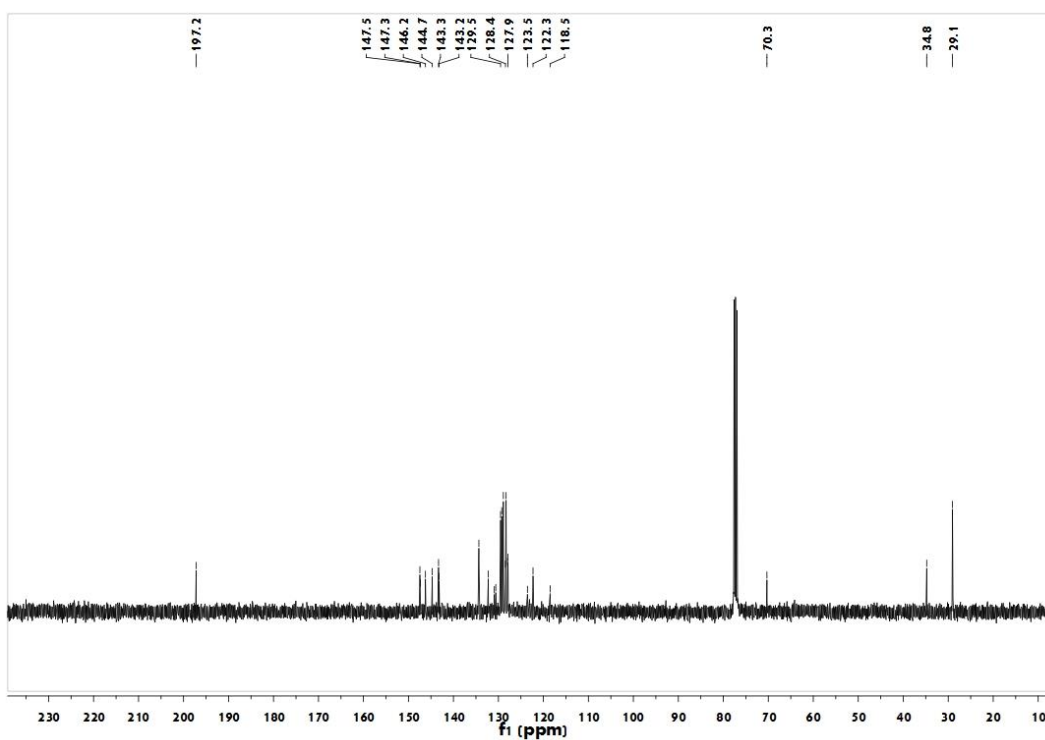
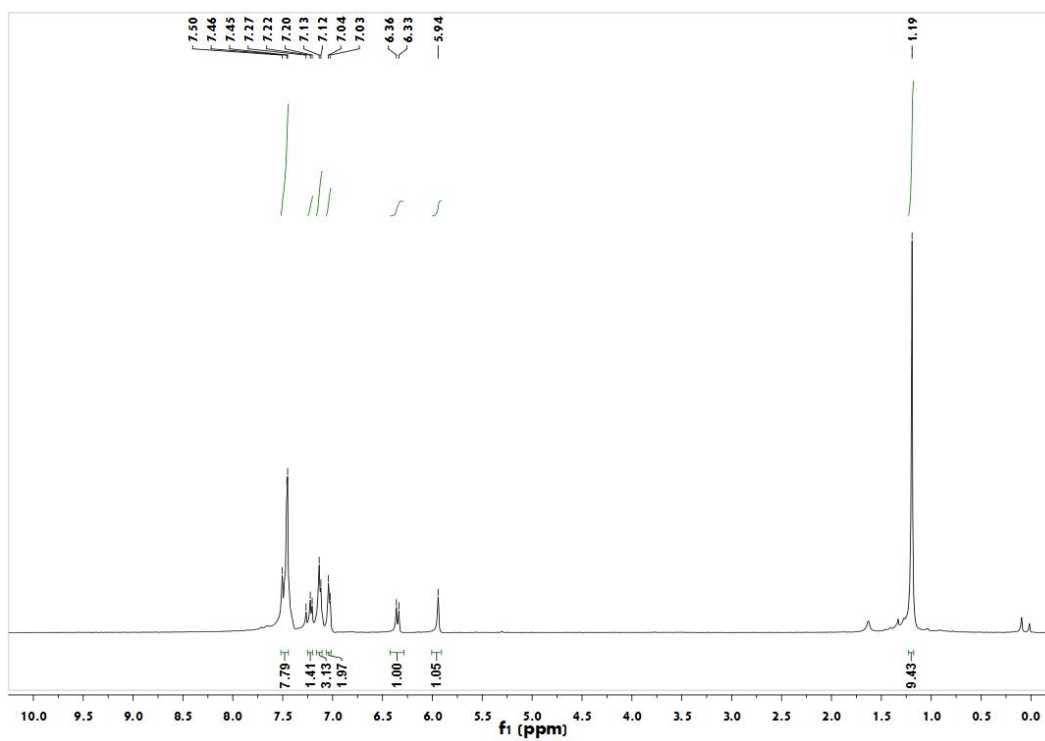
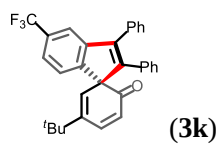


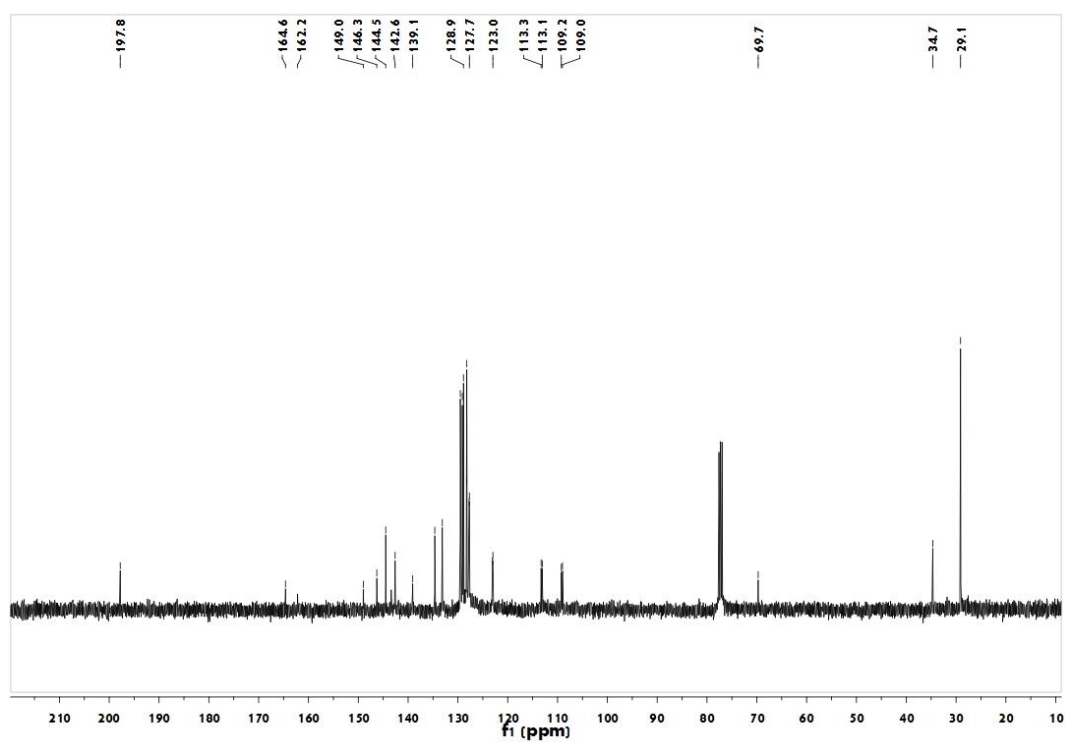
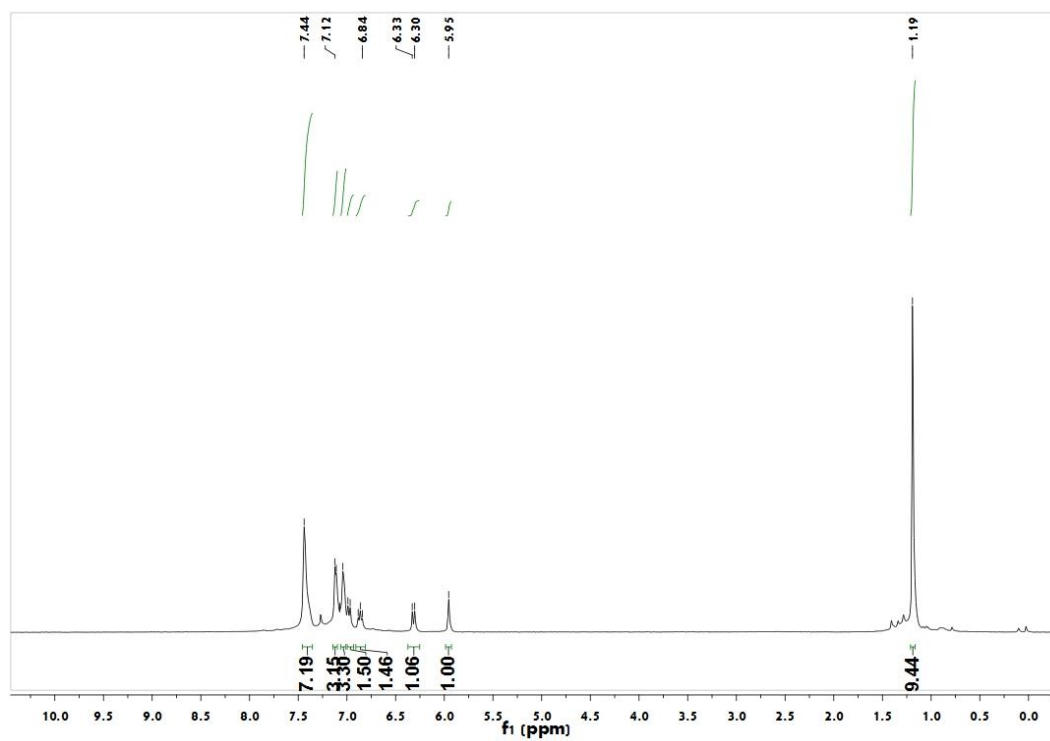
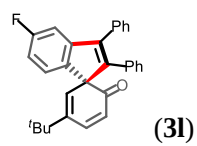


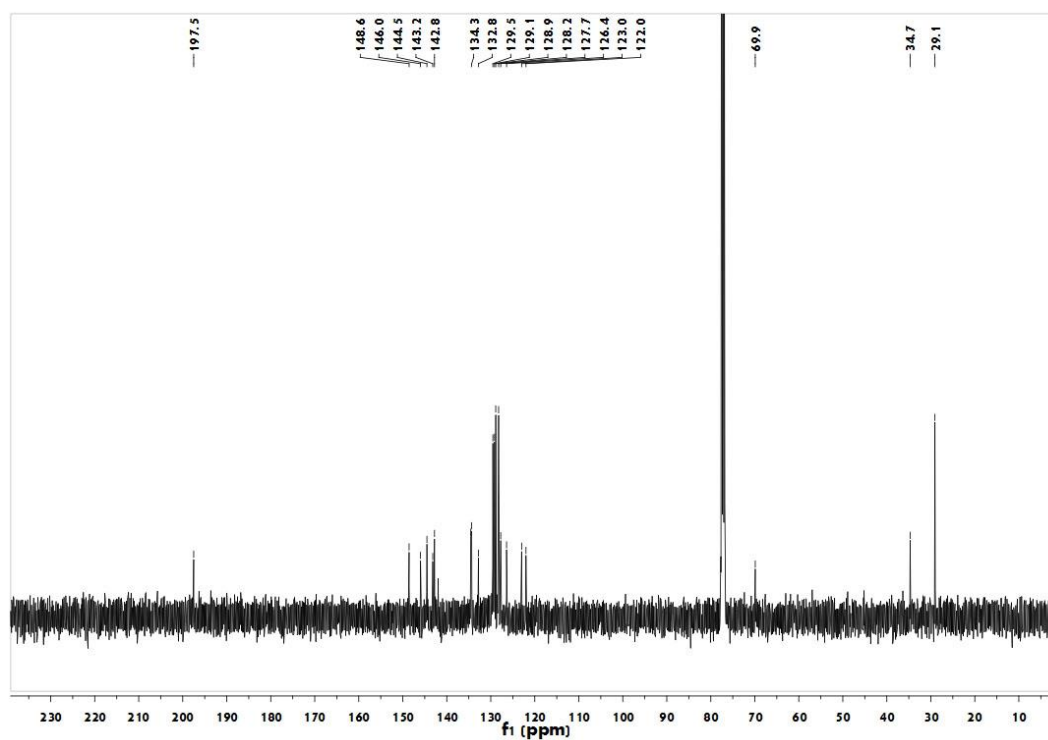
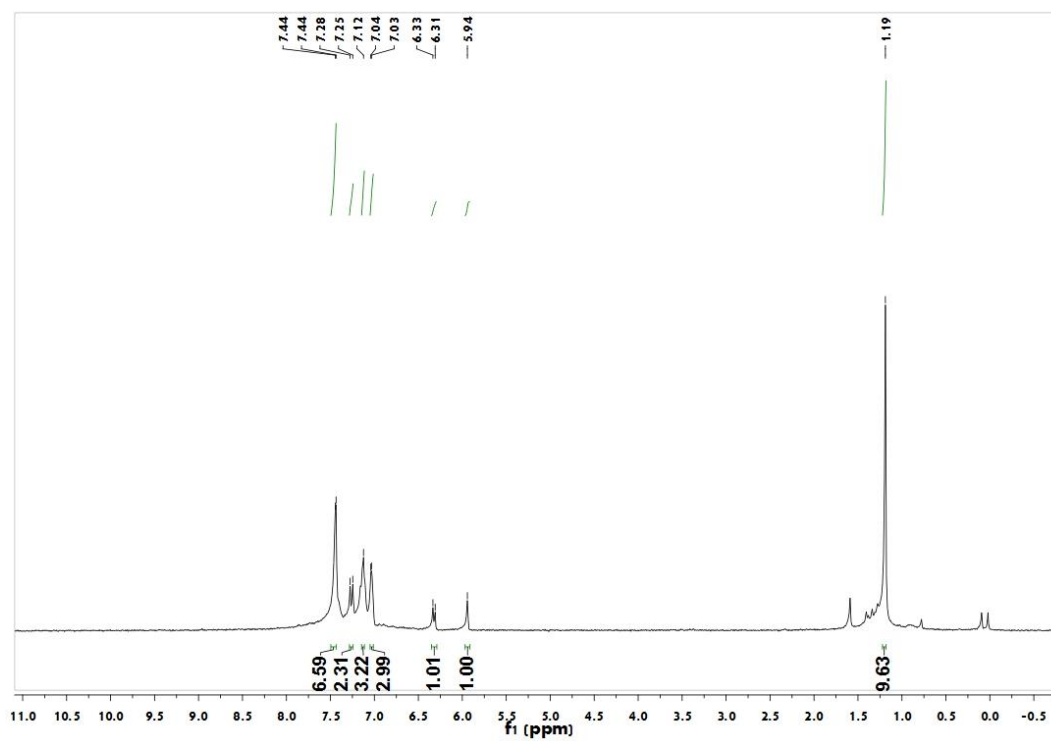
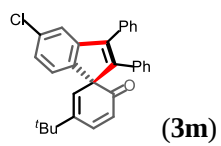


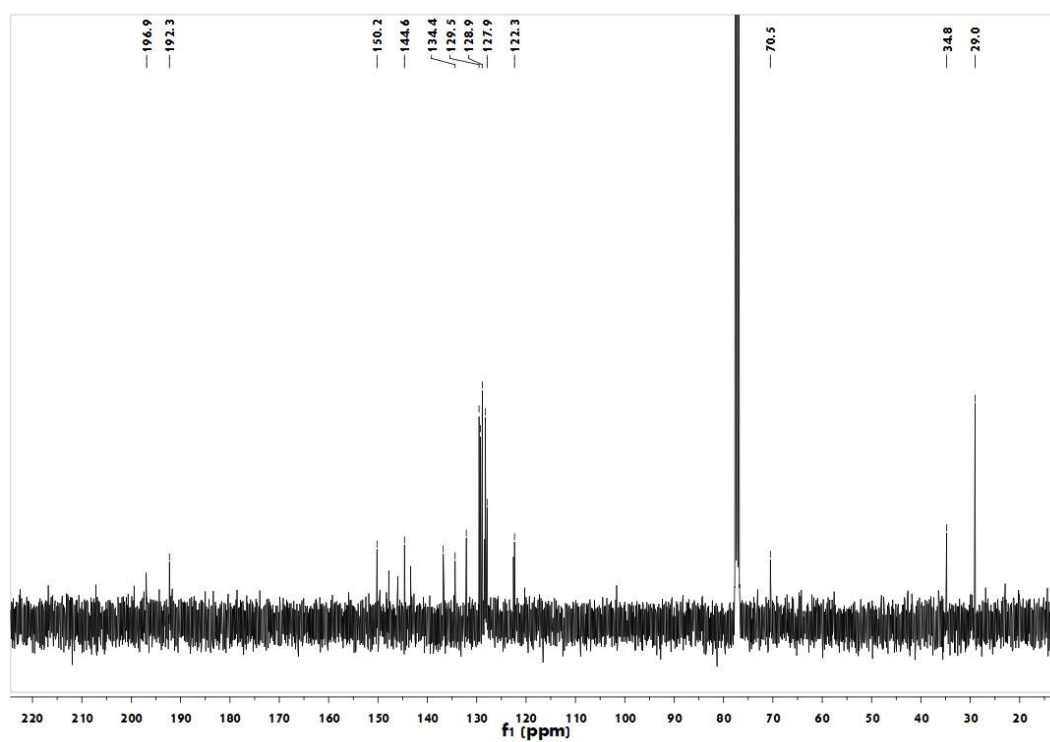
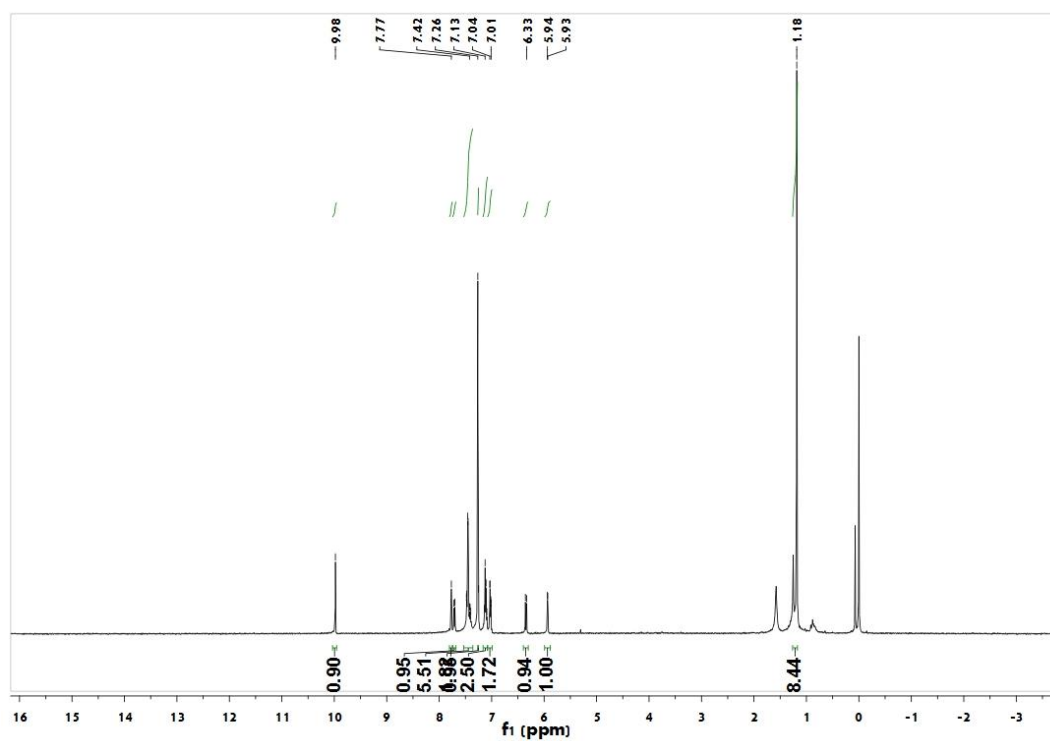
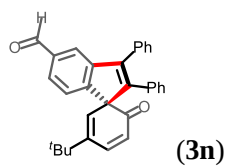


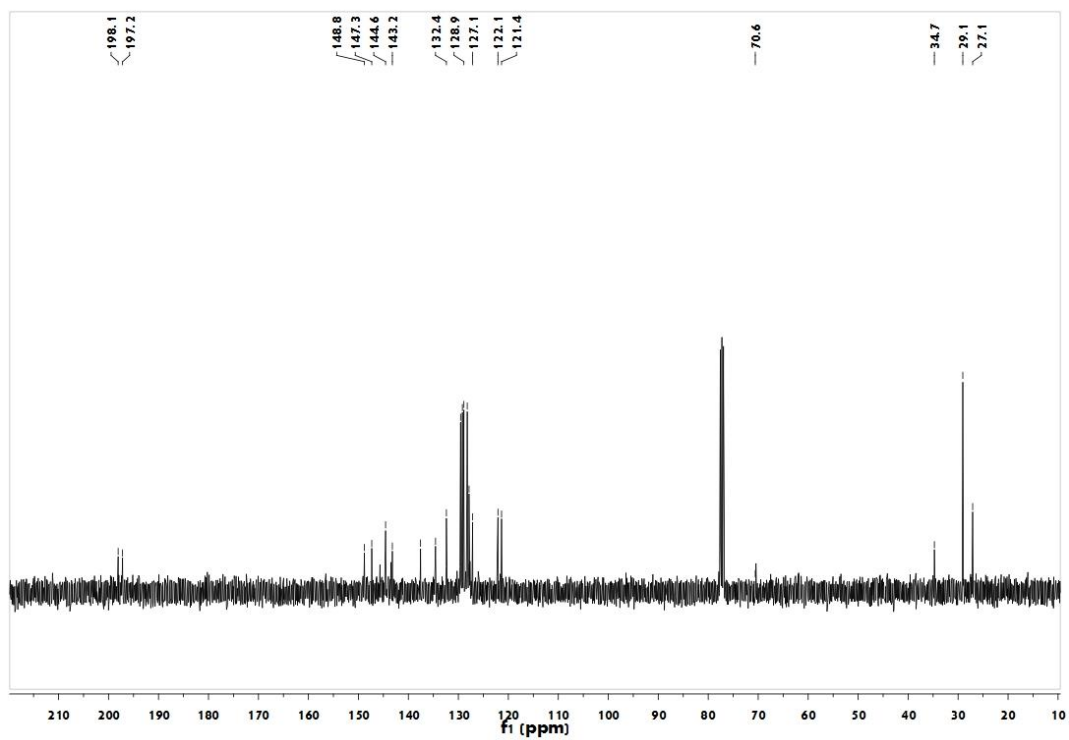
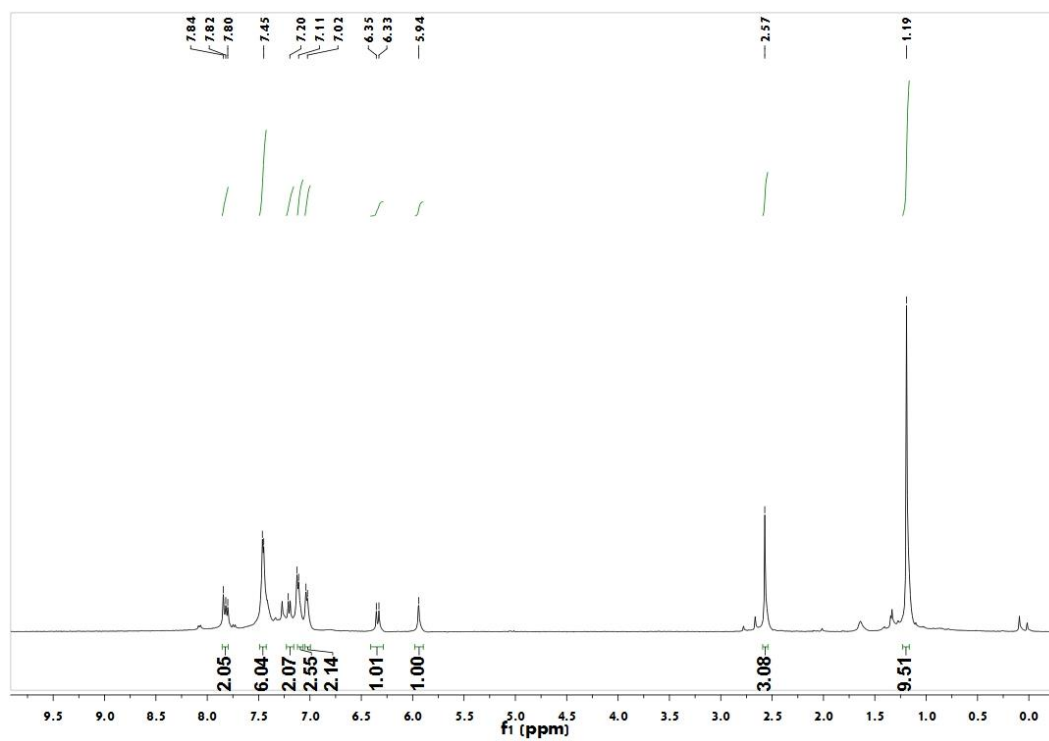
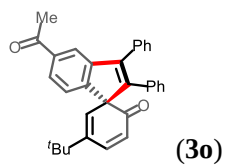


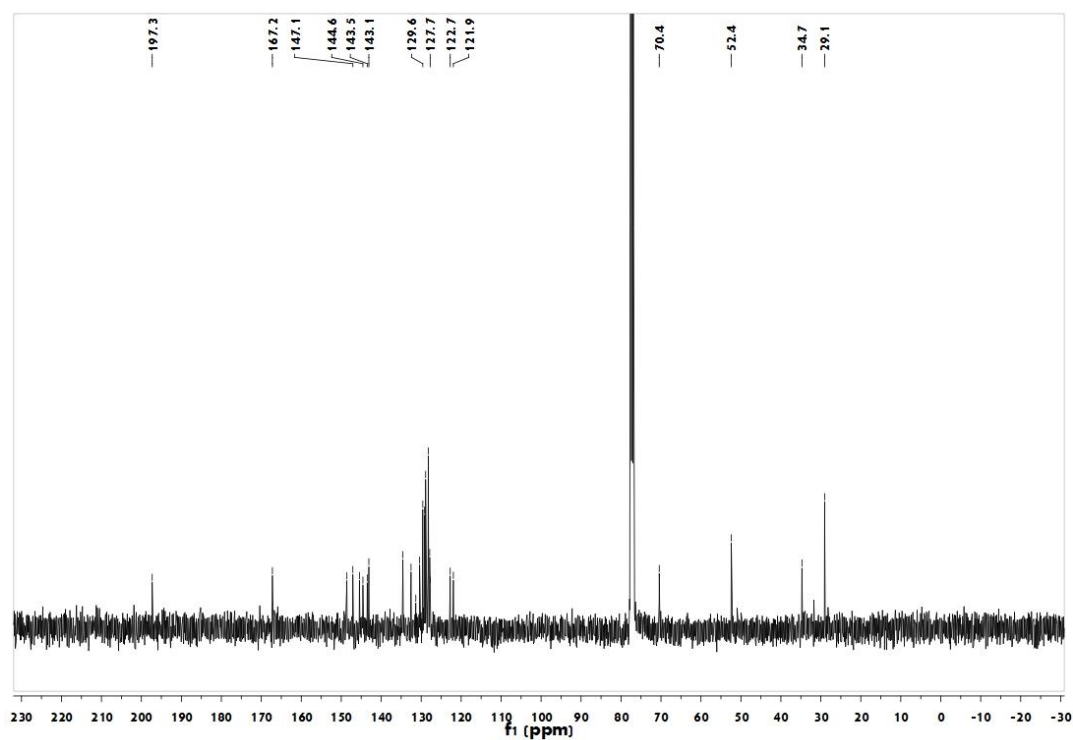
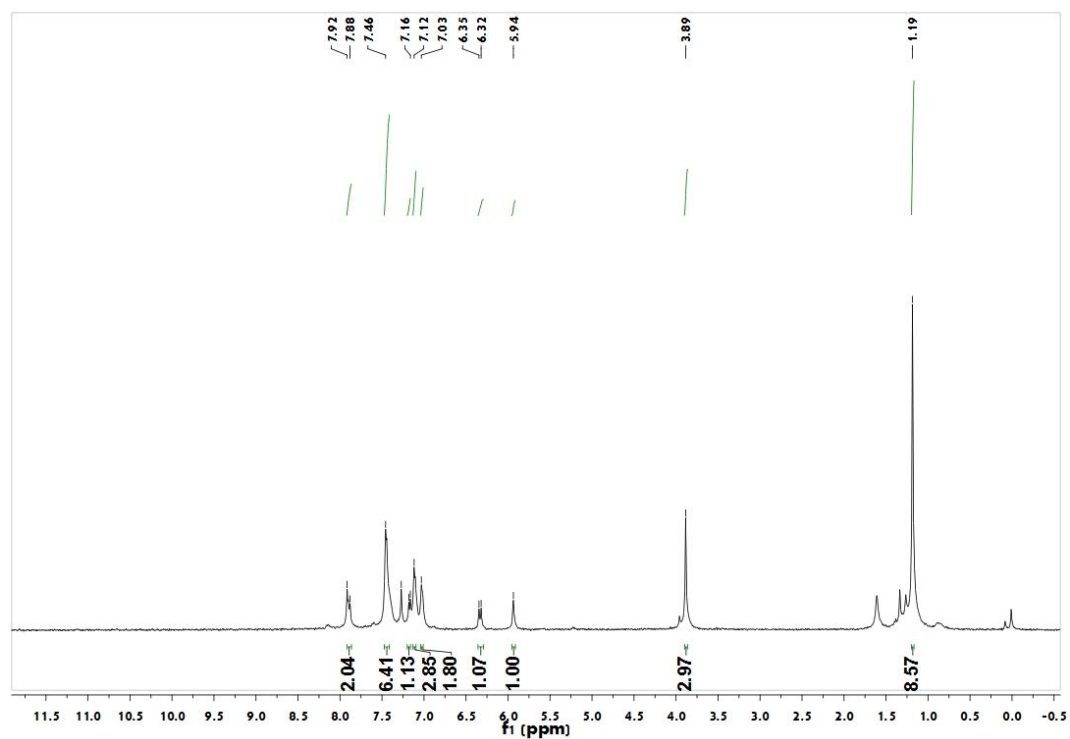
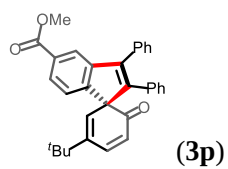


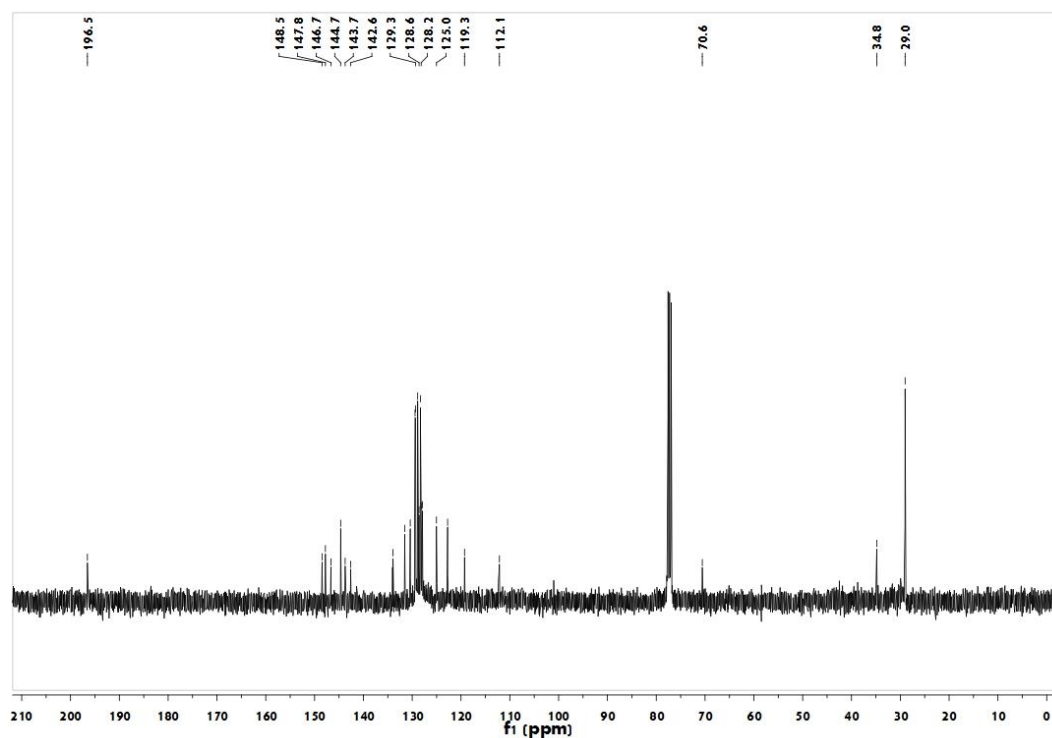
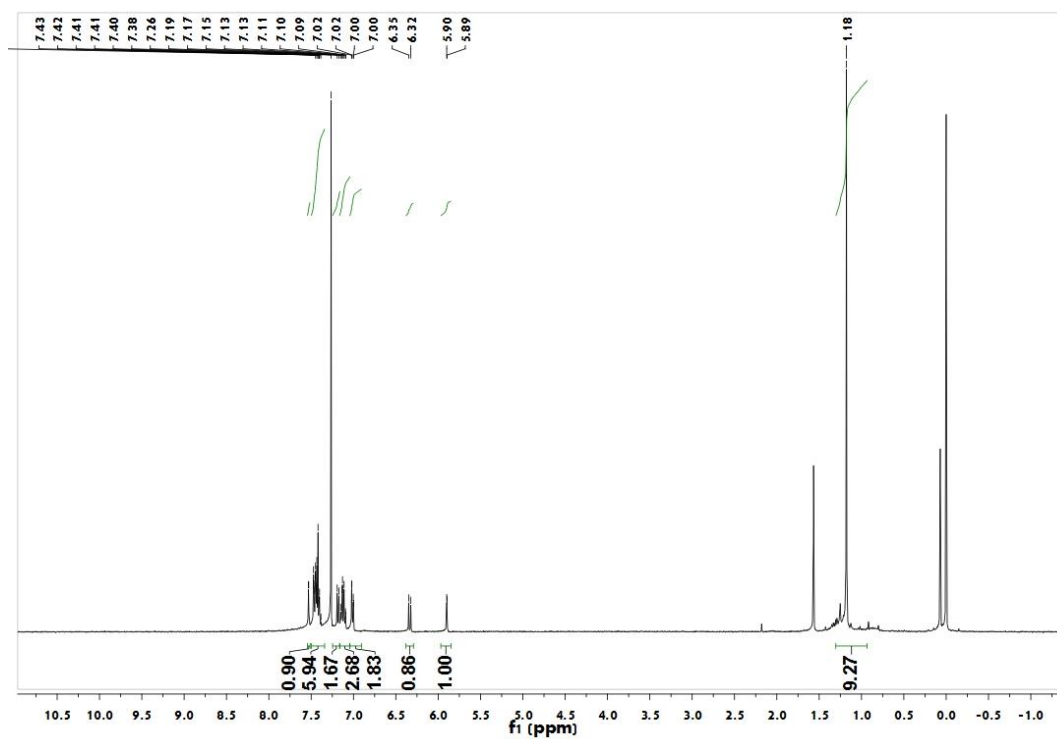
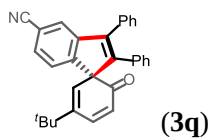


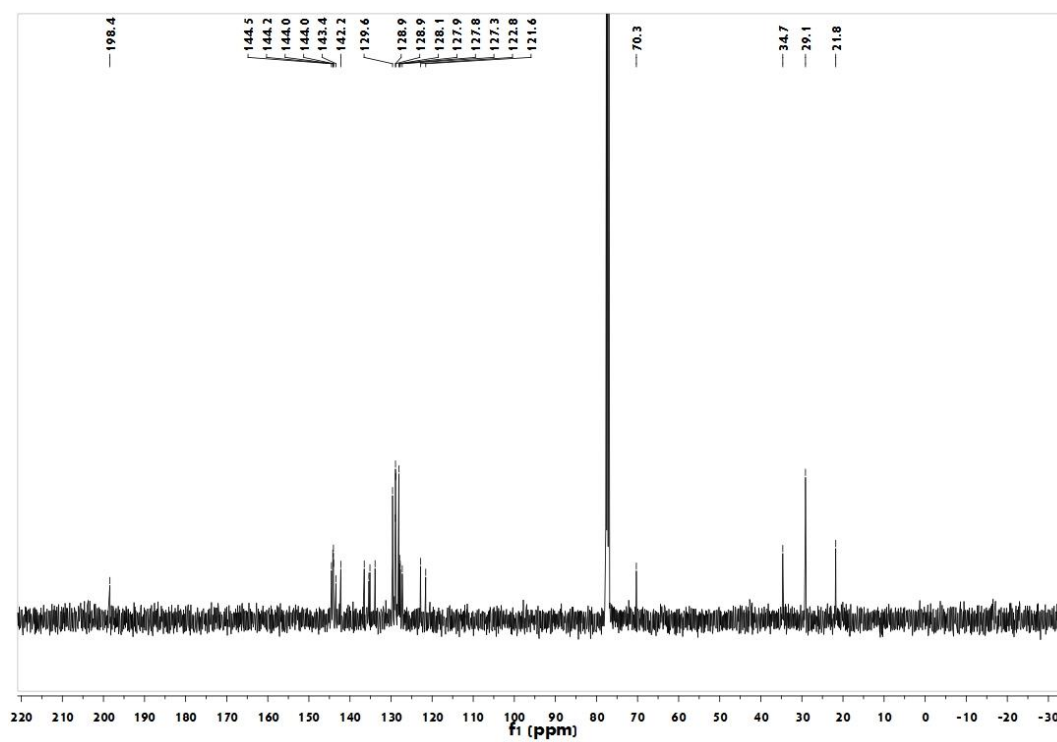
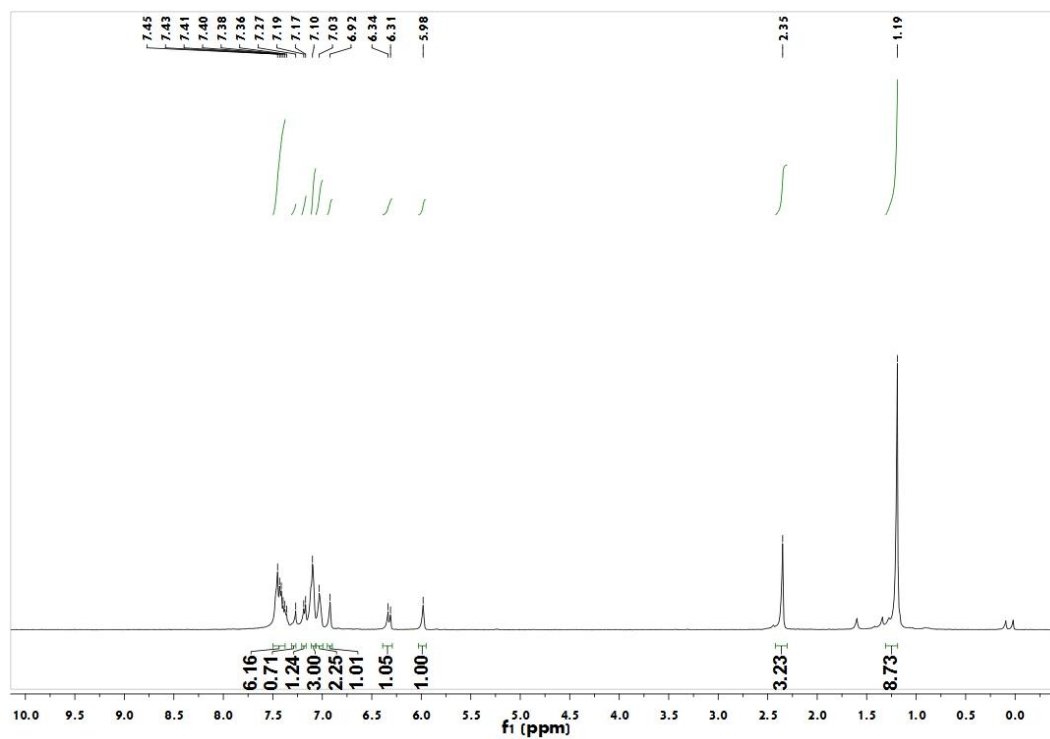
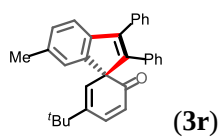


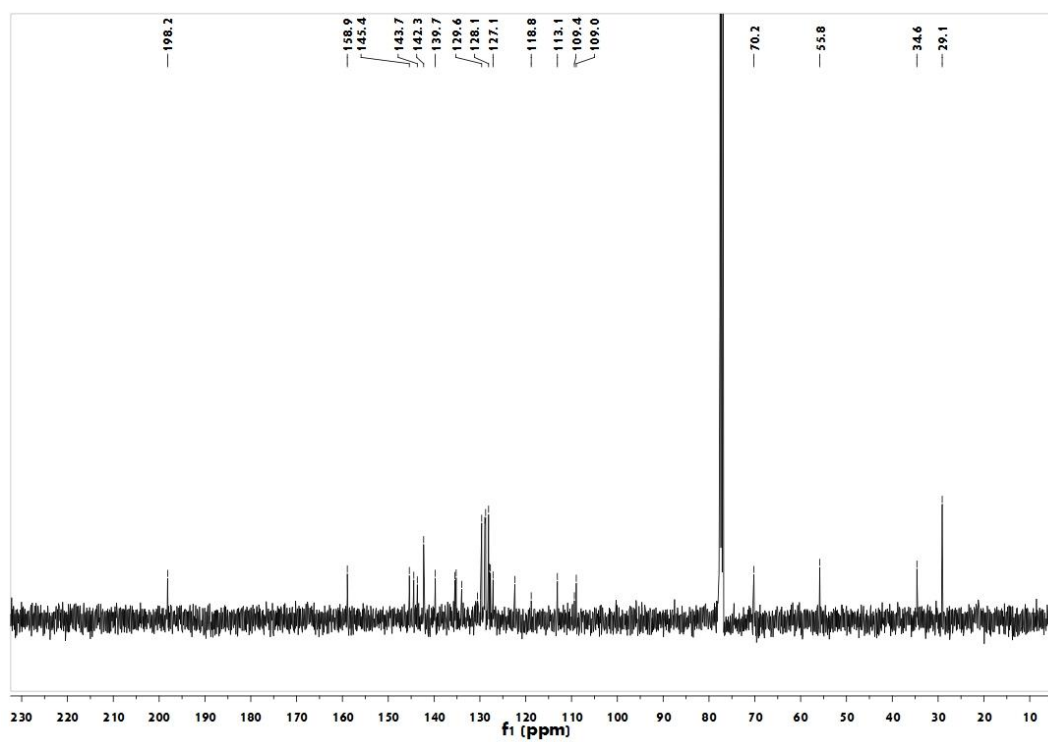
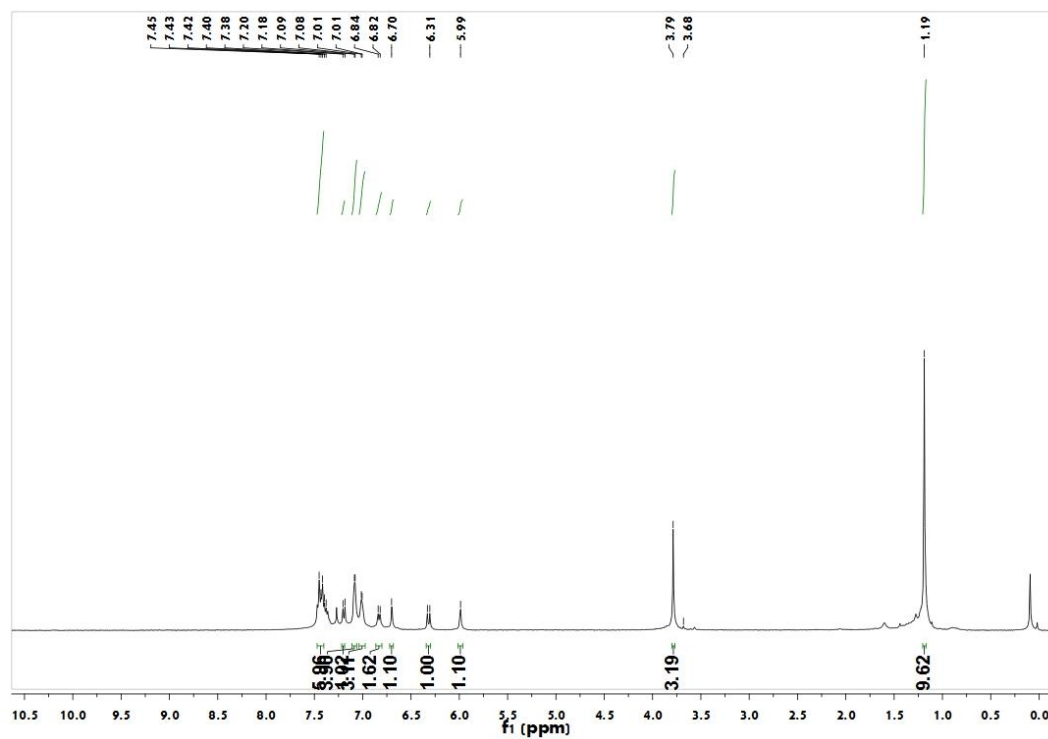
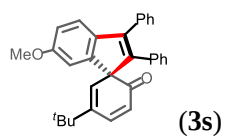


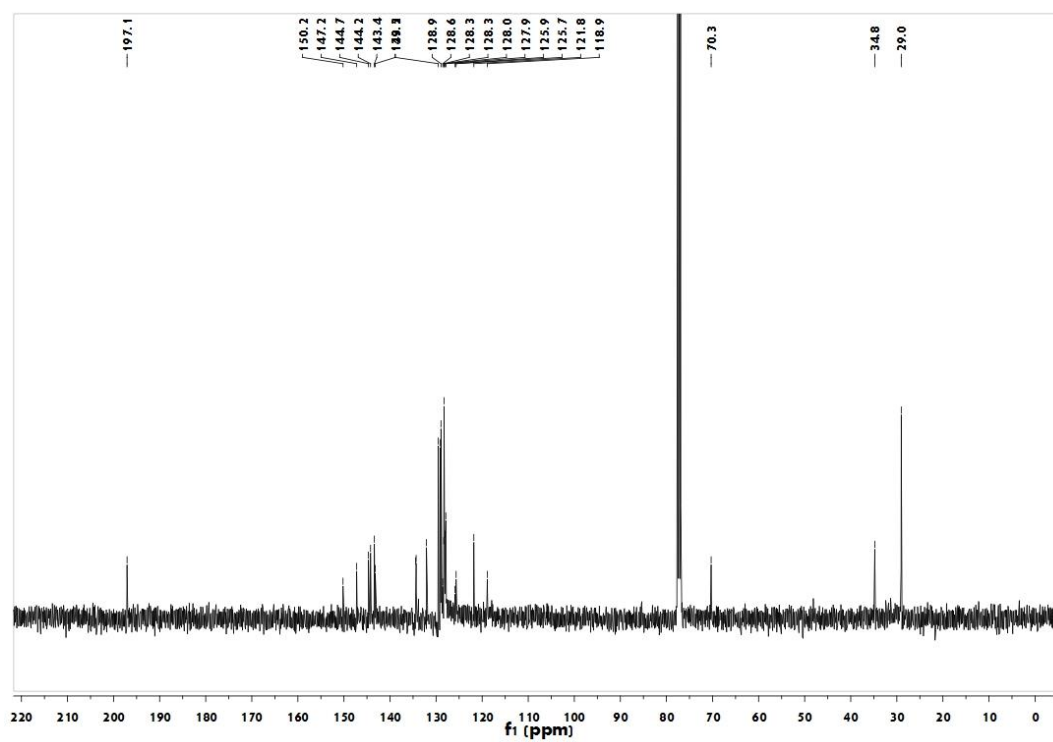
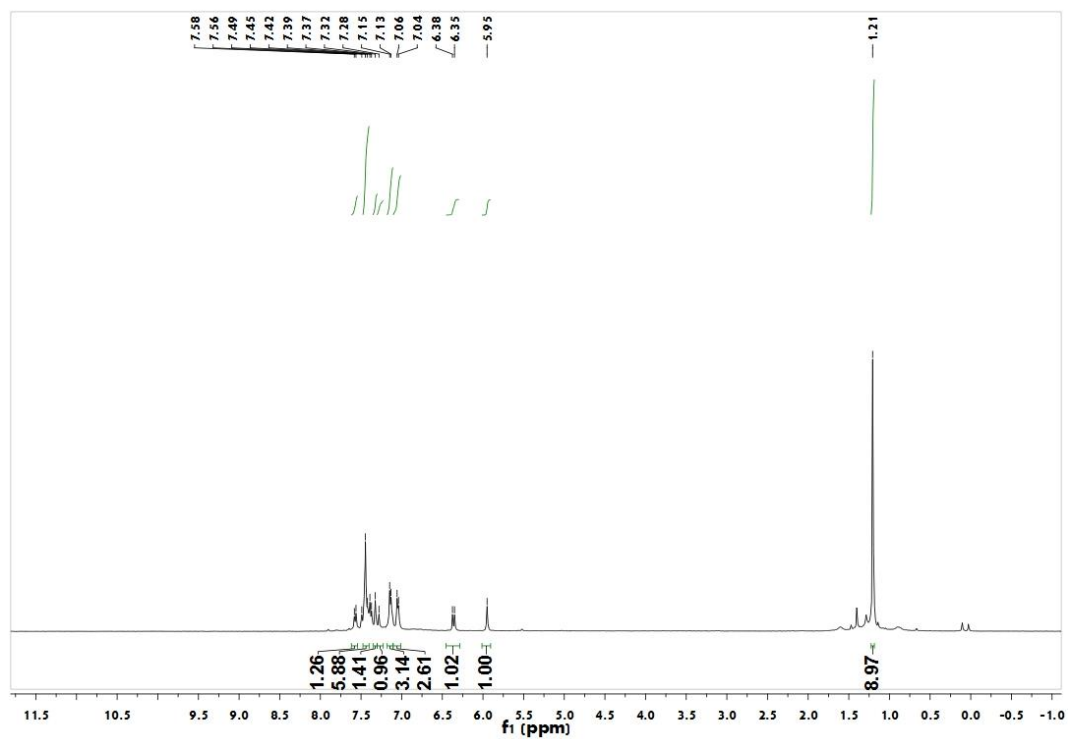
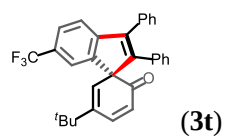


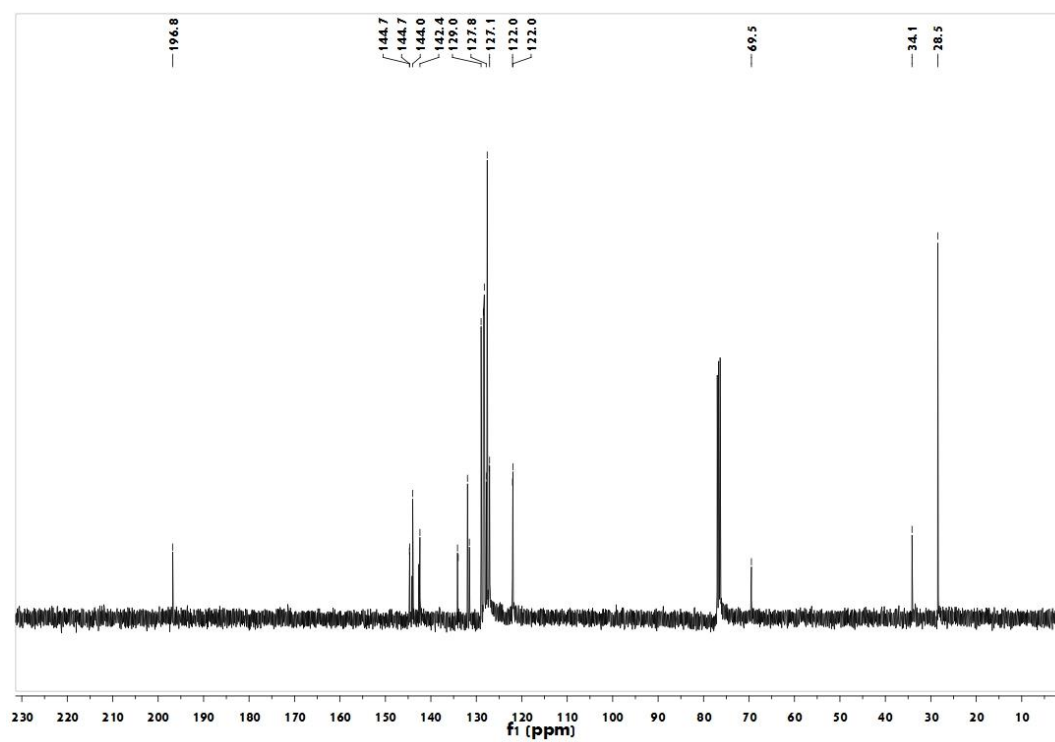
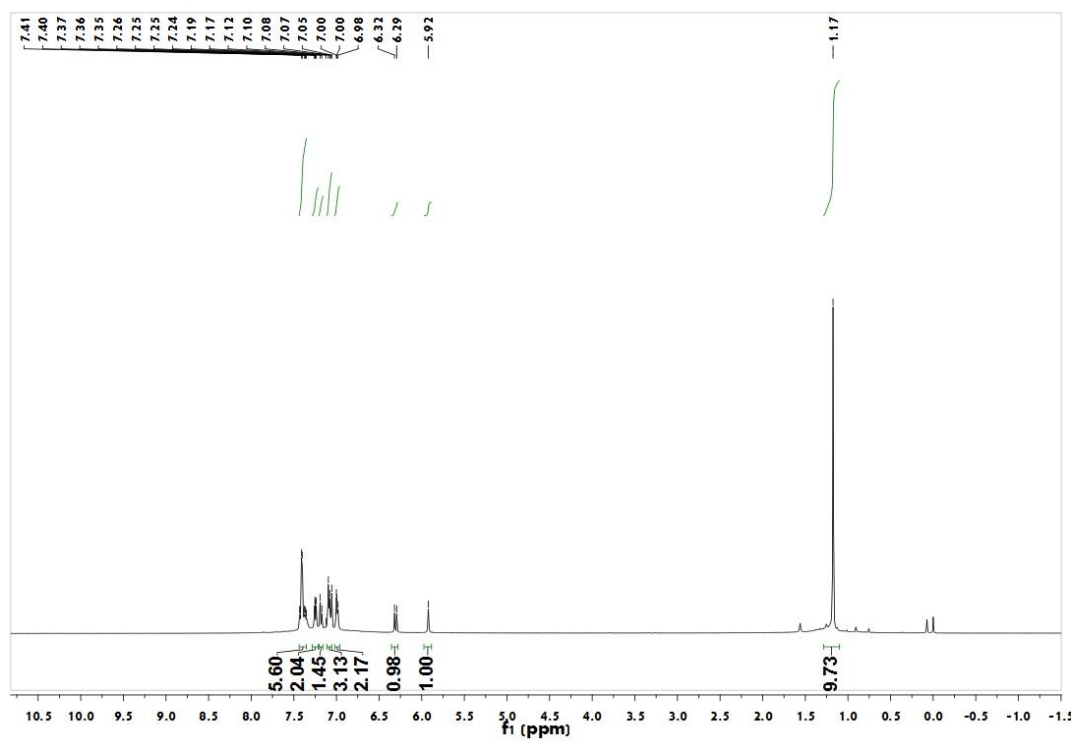
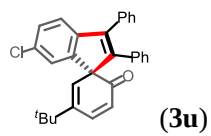


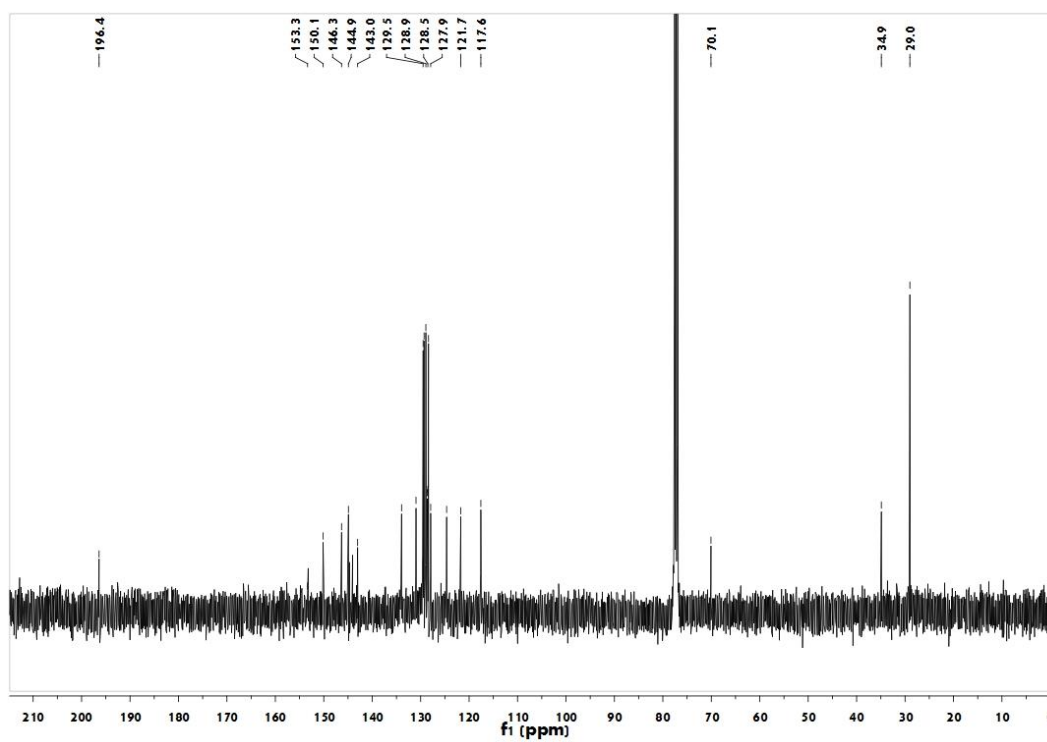
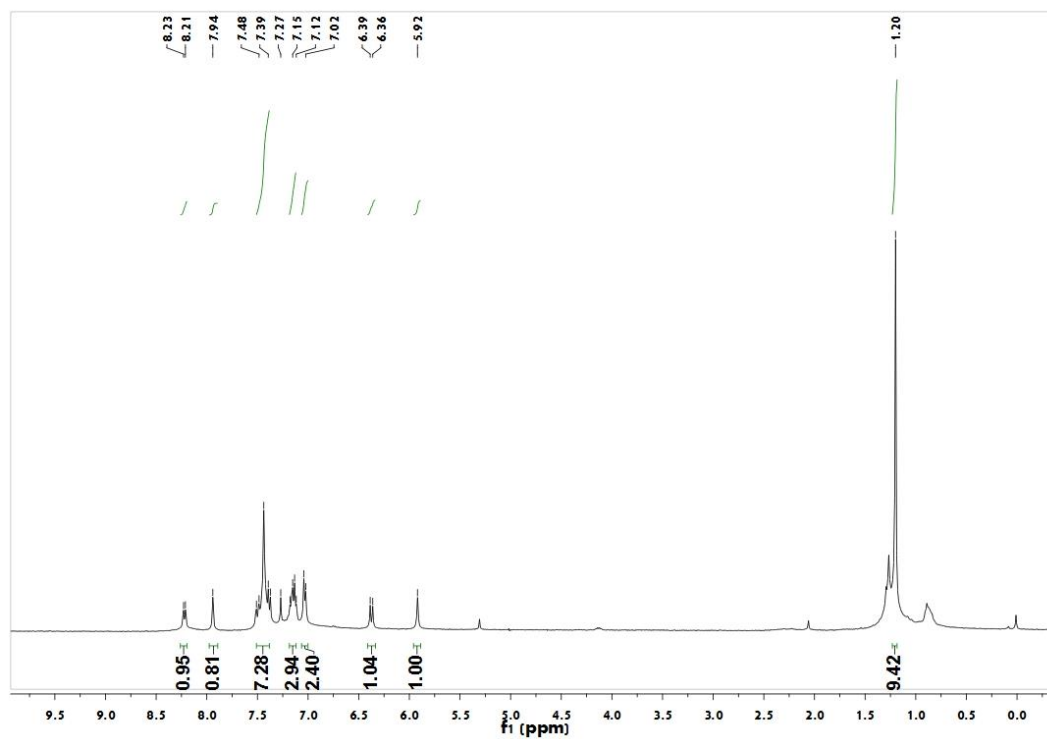
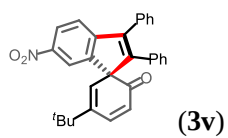


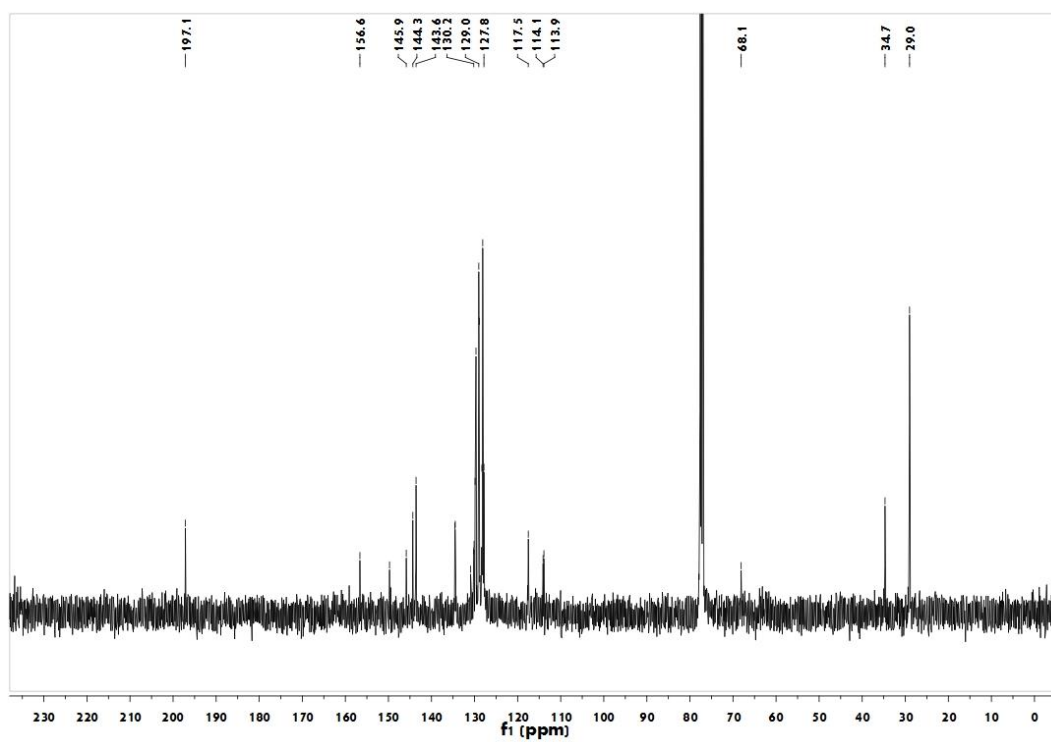
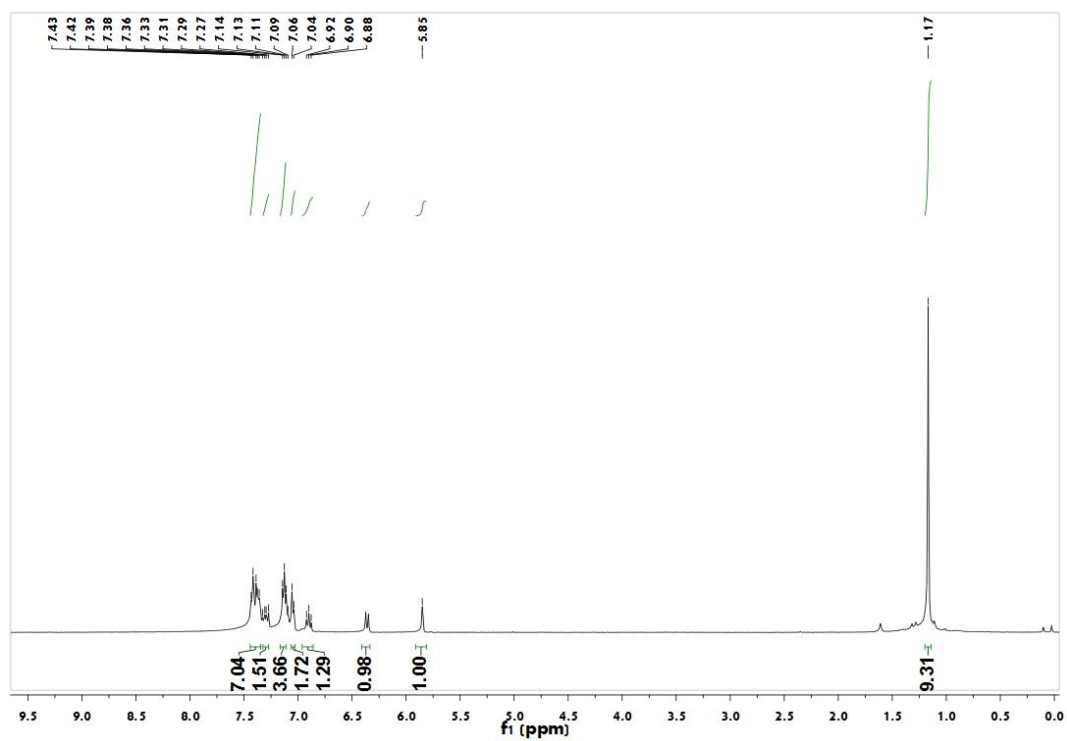
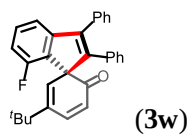


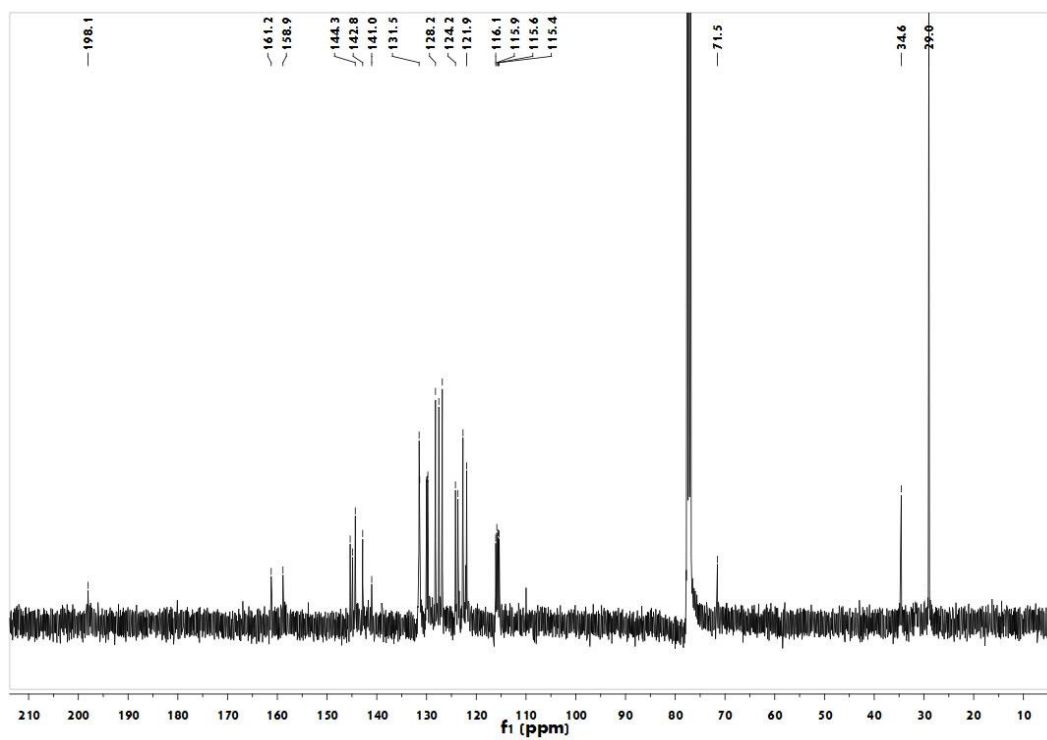
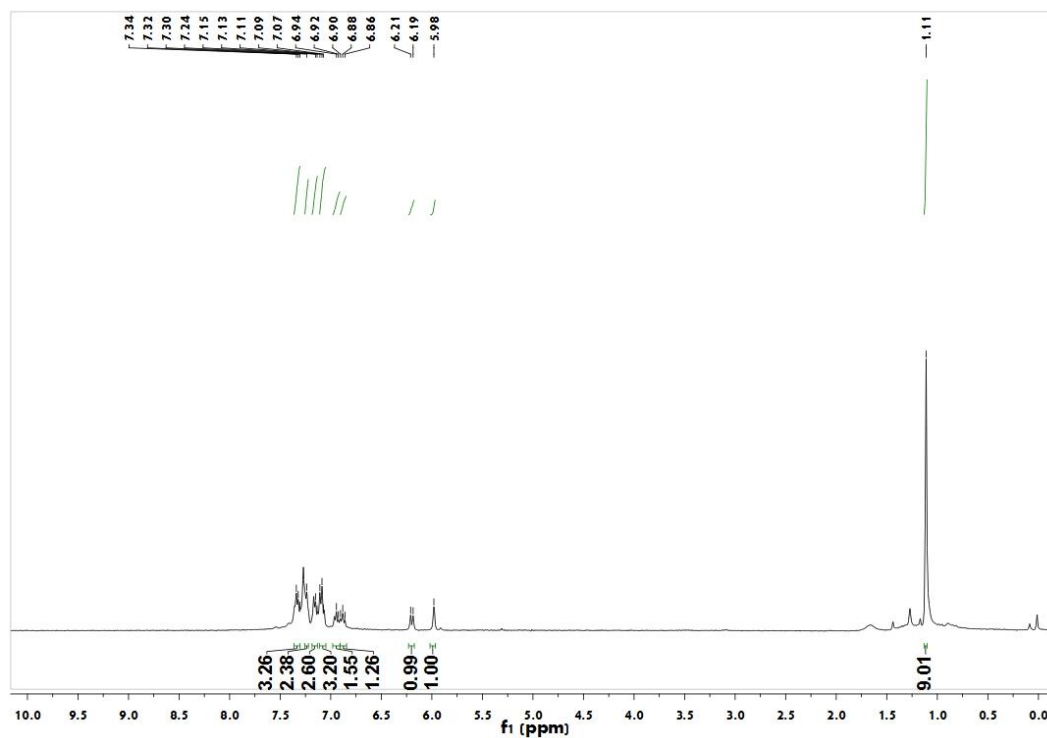
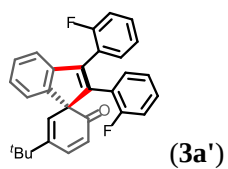


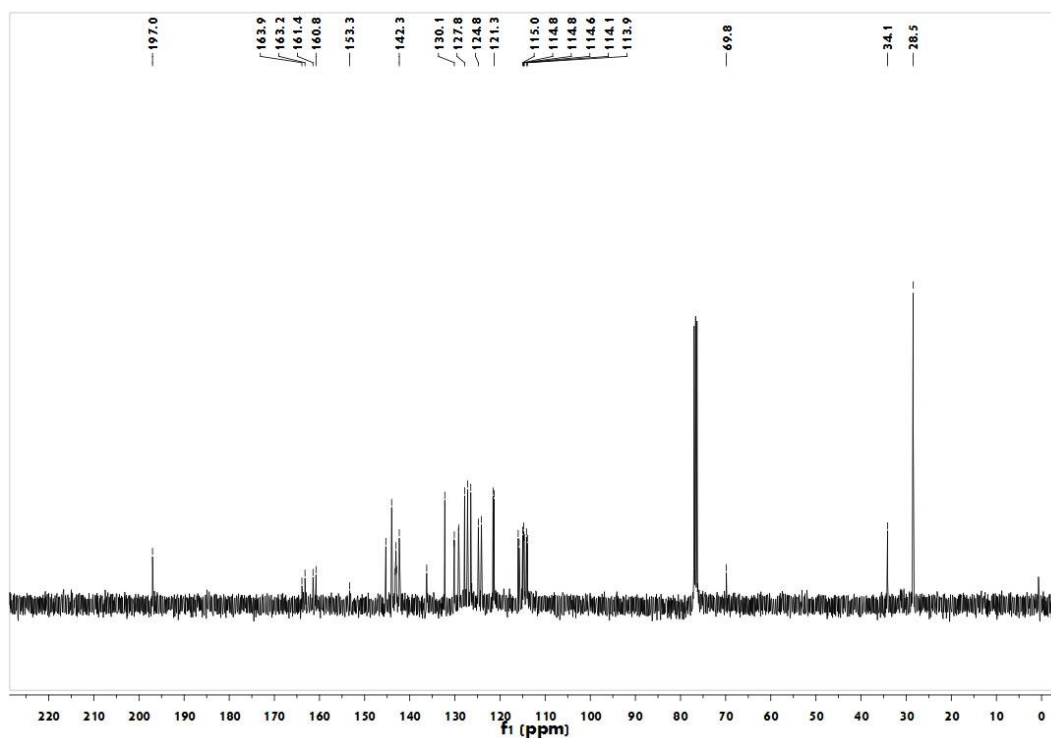
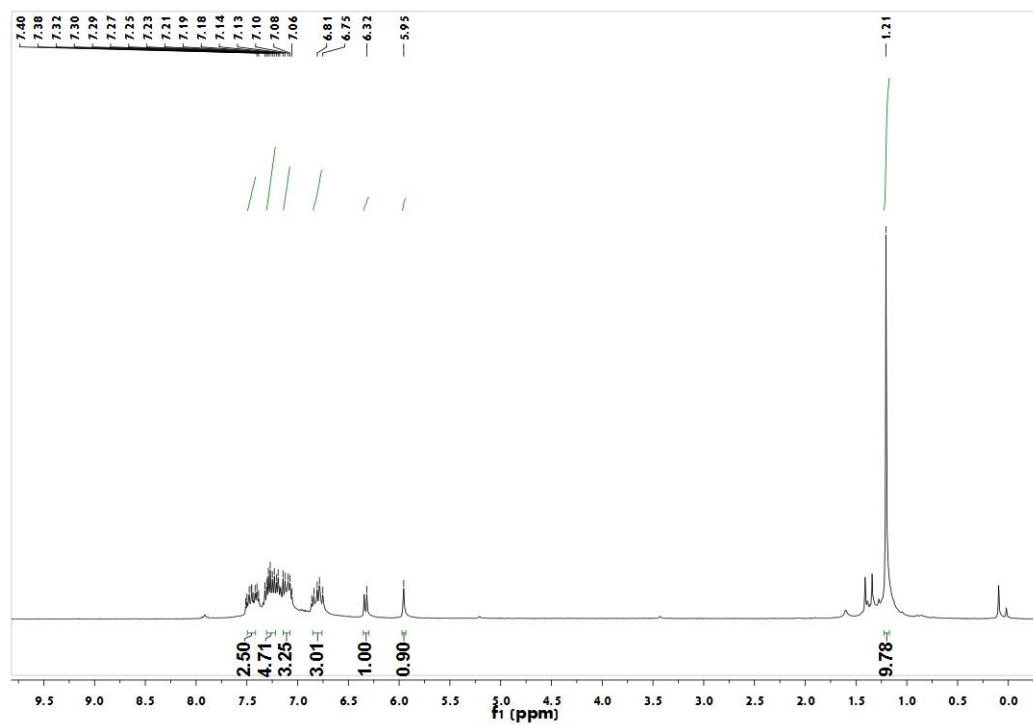
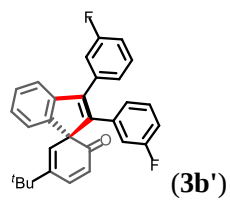


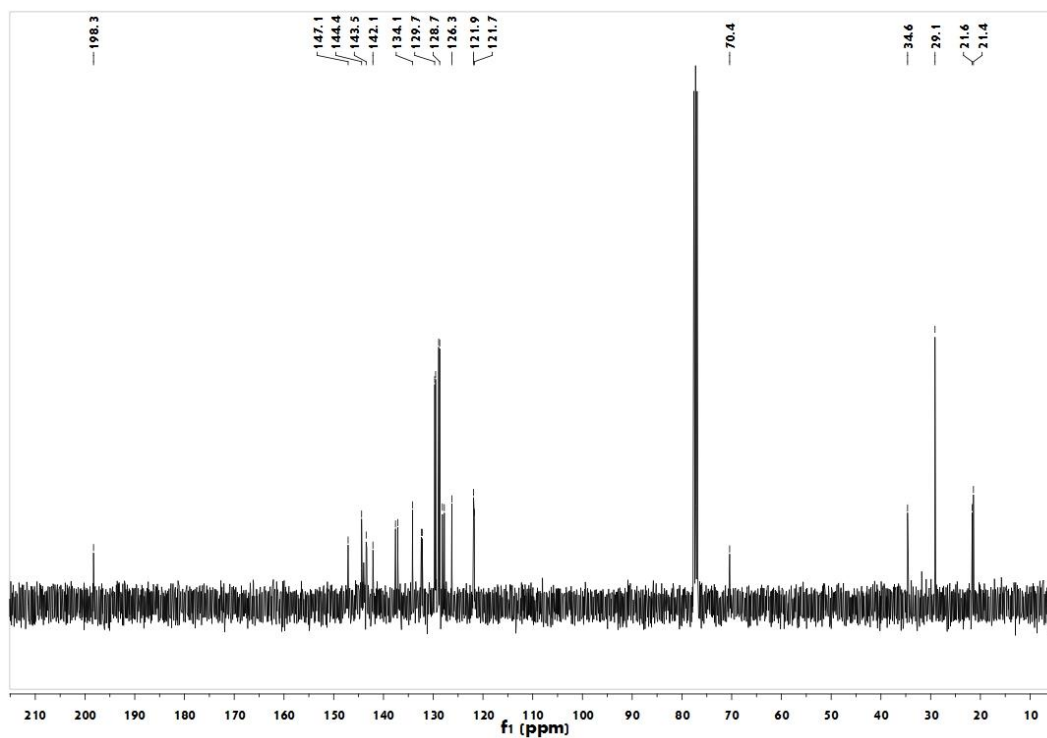
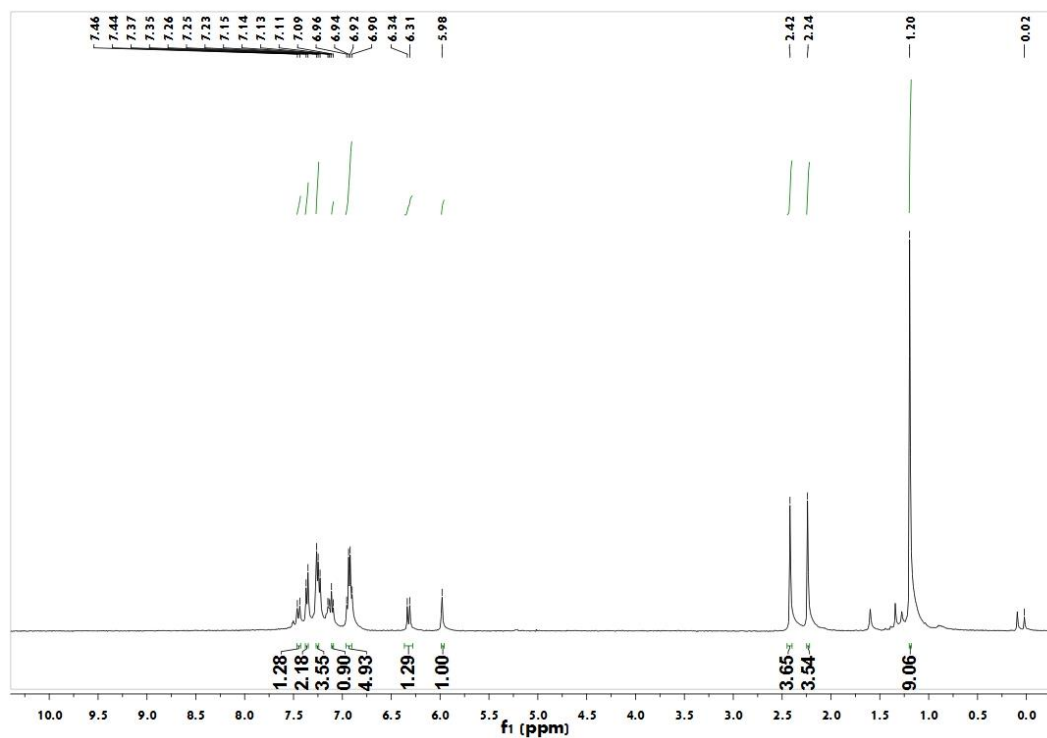
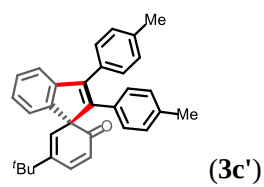


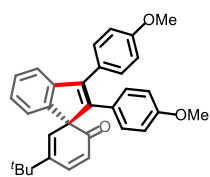












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