
Supporting Information

Direct C-H Bond Arylation of Fluorenes with Aryl Chlorides Catalyzed by *N*-Heterocyclic Carbene-Palladium(II)-1-Methylimidazole Complex and Further Transformation of the Products in A One-Pot Procedure

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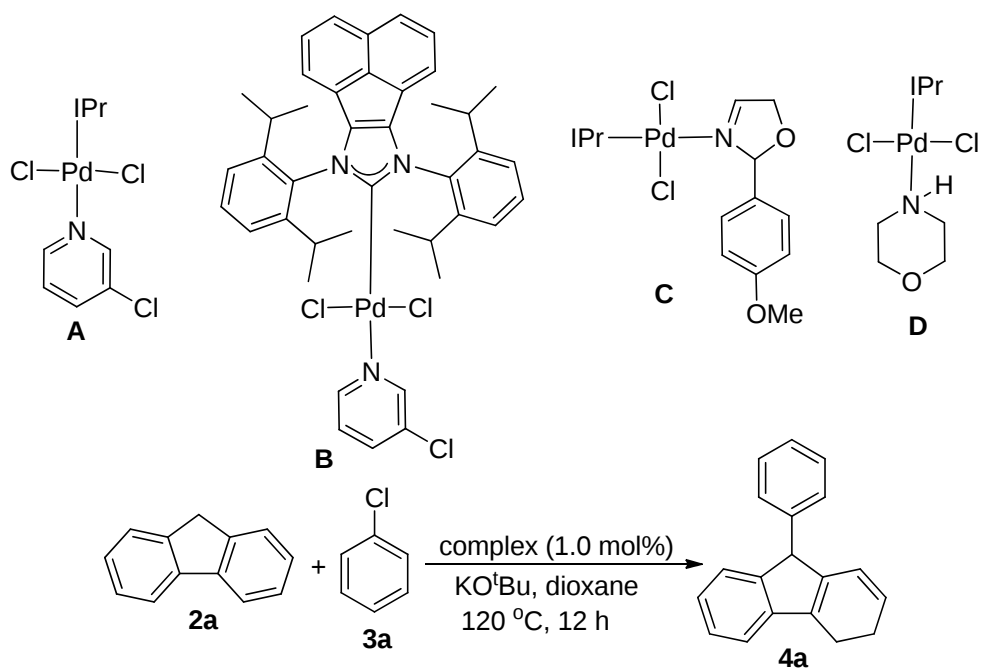
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Table of Contents

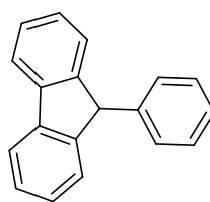
1	Scheme-SI		S-2
2	Copy of spectra		S-3

Scheme-SI. Catalytic Activity of Other NHC-Pd(II) Complexes in the Model Reaction.

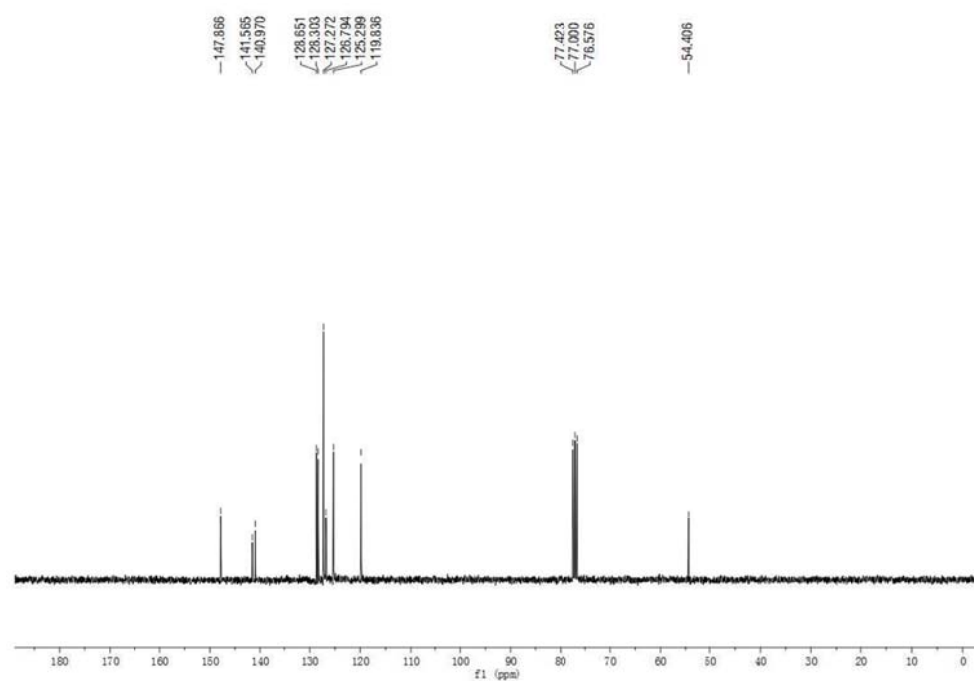
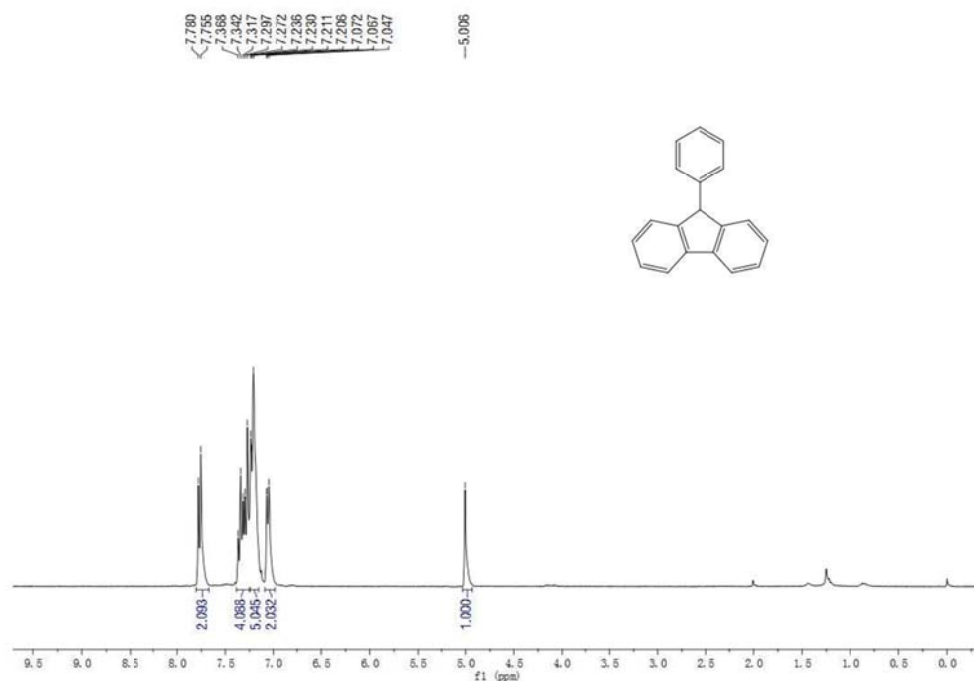


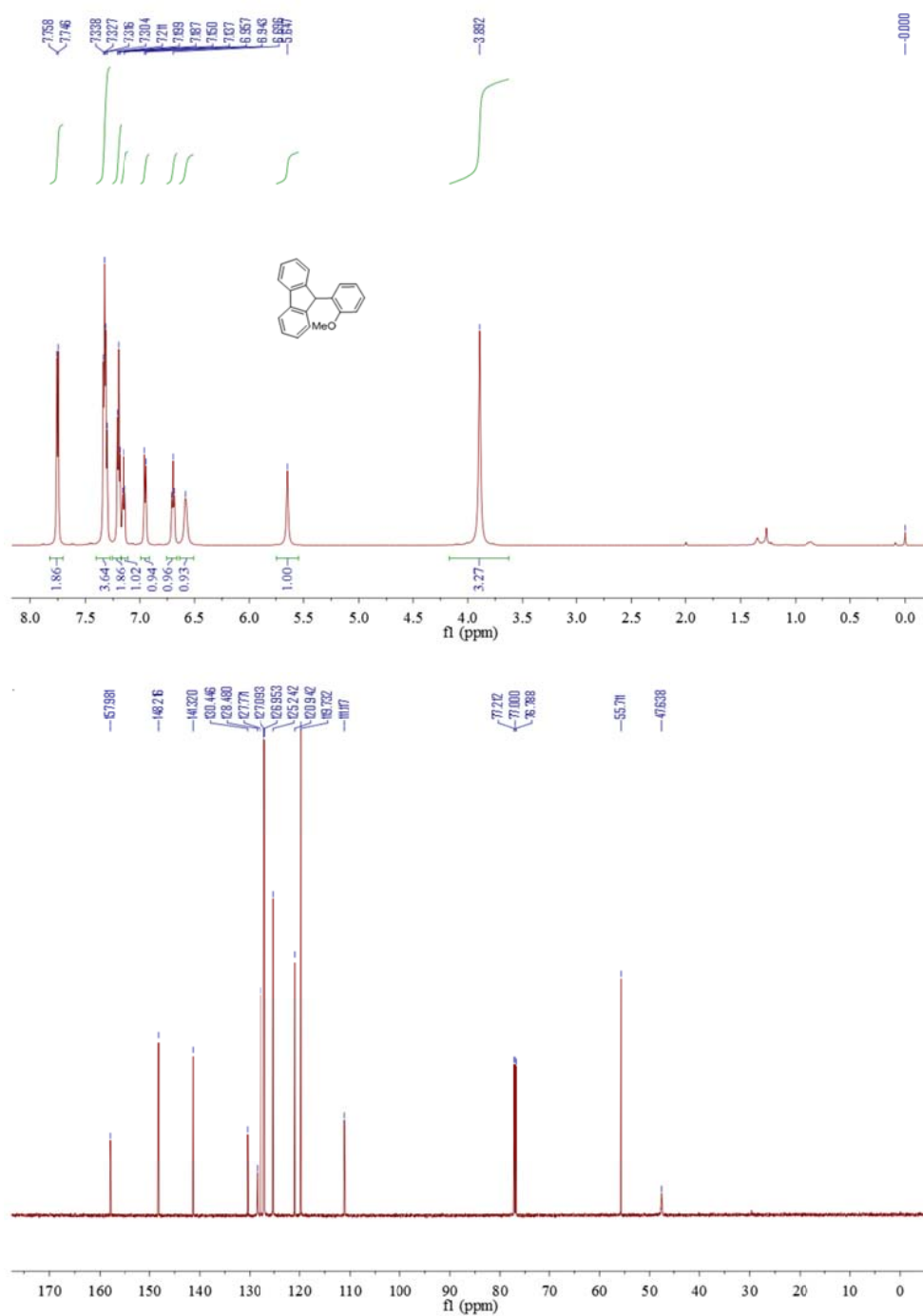
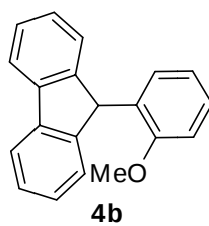
Entry ^a	Complex	Yield (%) ^b
1	A	91
2	B	86
3	C	93
4	D	88

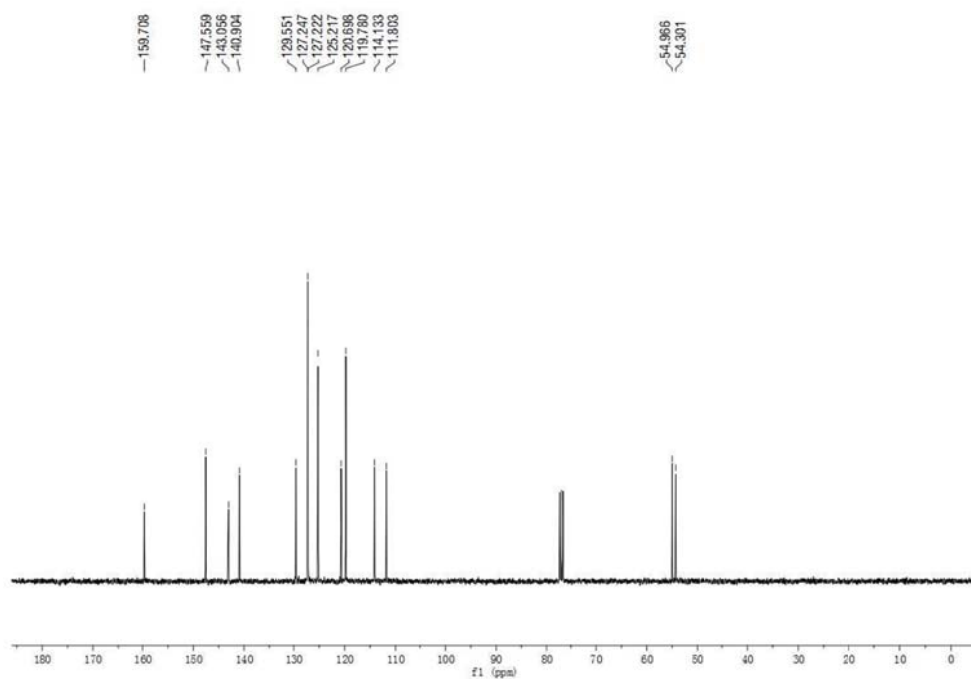
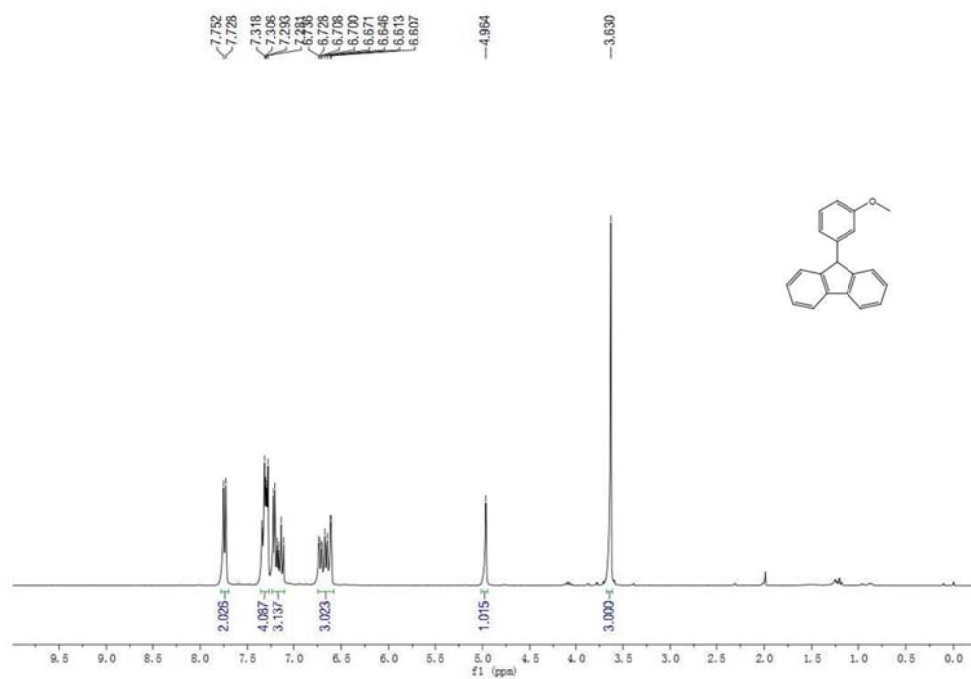
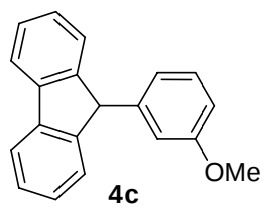
^a All reactions were carried out using **2a** (1.0 mmol), **3a** (0.75 mmol), complex (1.0 mol%), KO^tBu (1.5 equiv) in dioxane (2.0 mL) at 120 °C for 12 h. ^b Isolated yields.

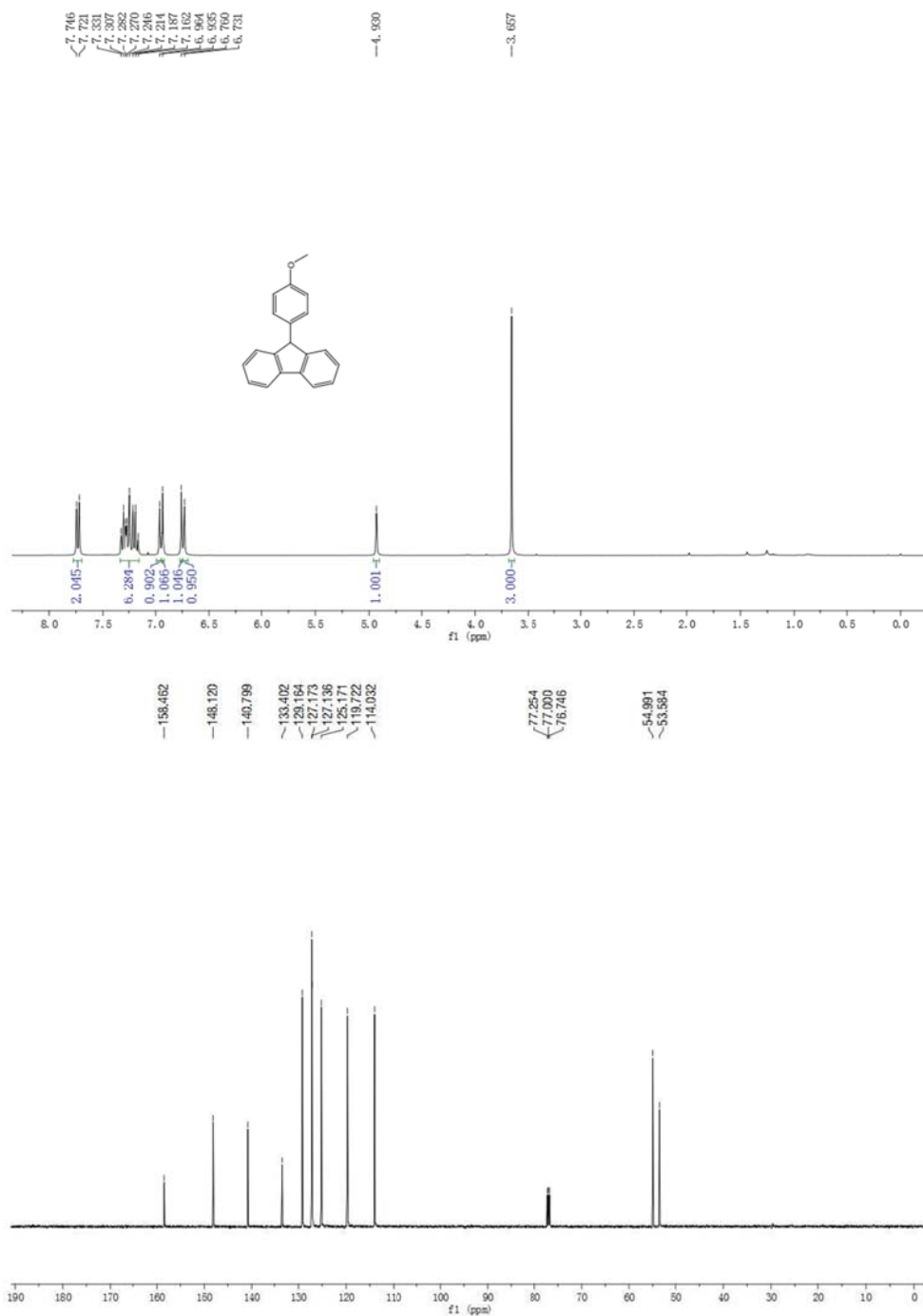
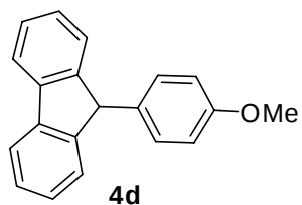


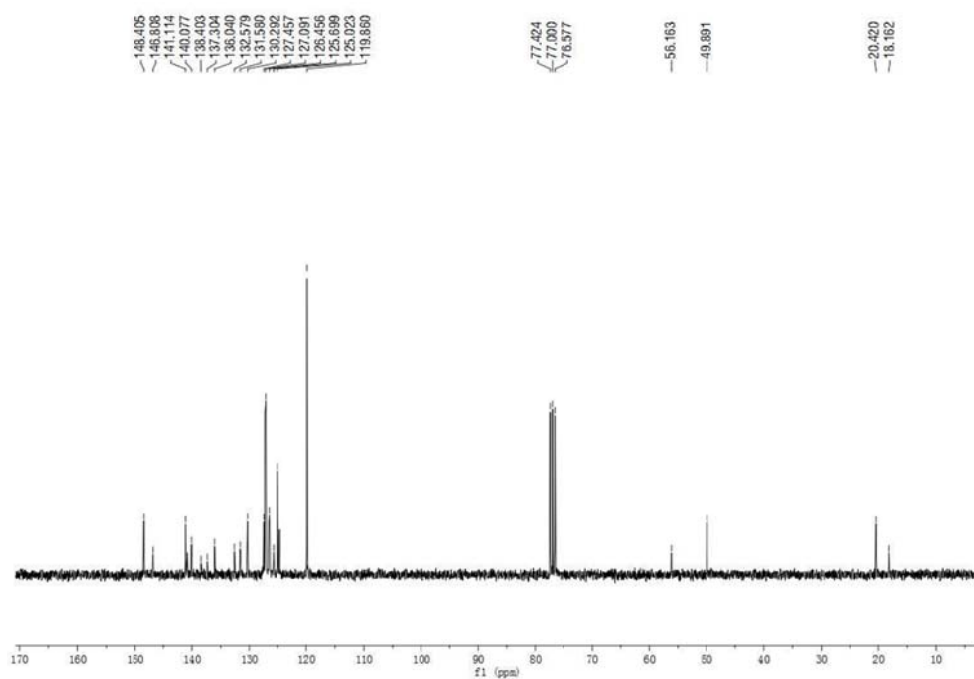
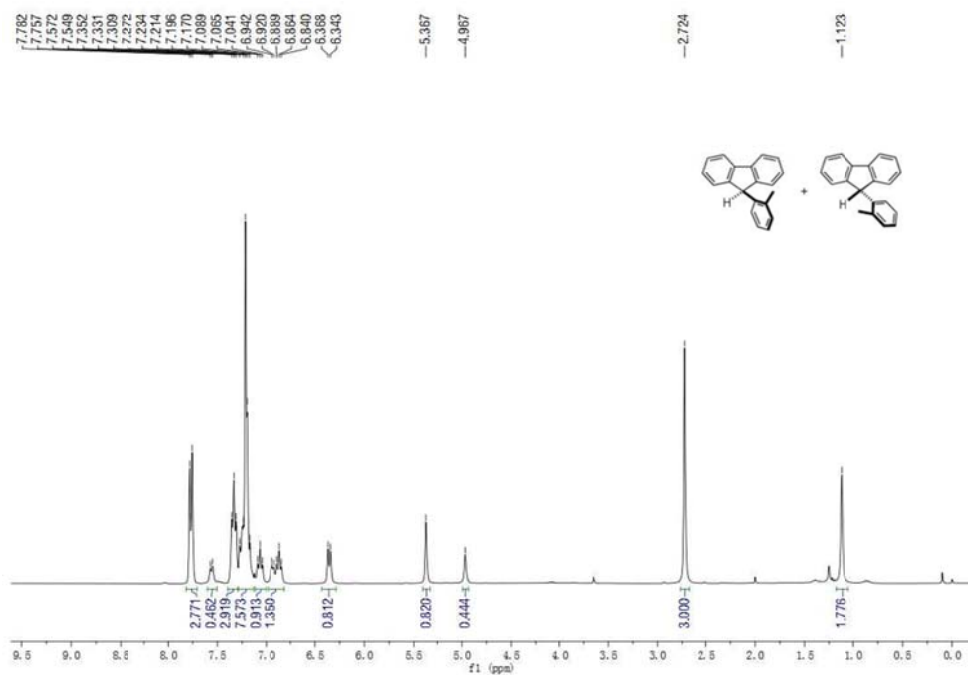
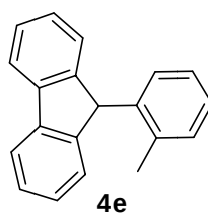
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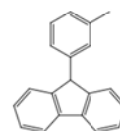


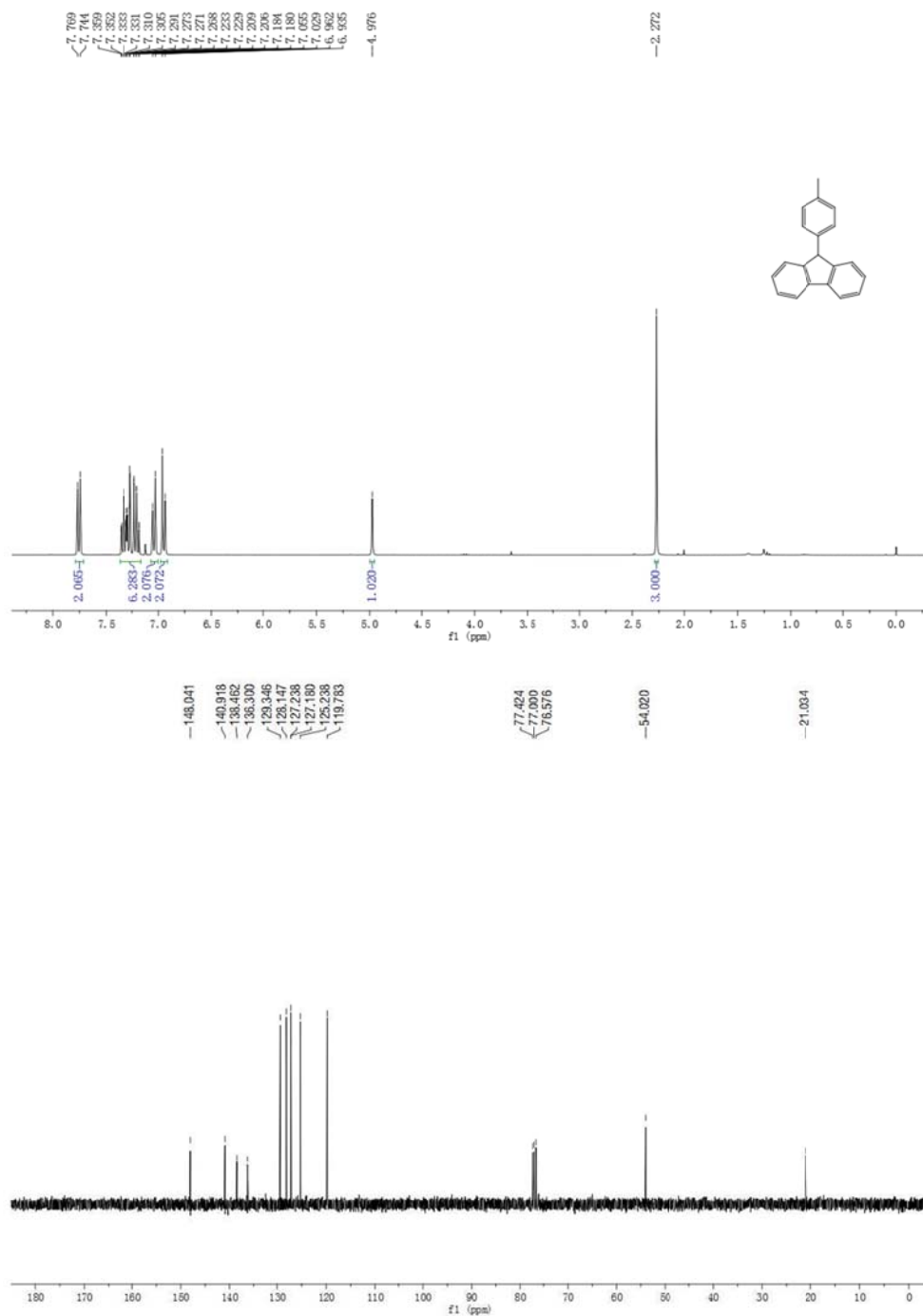
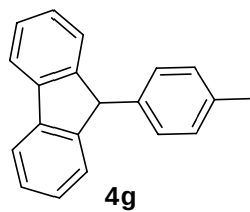


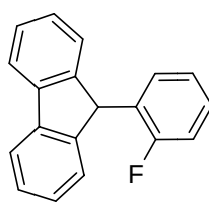




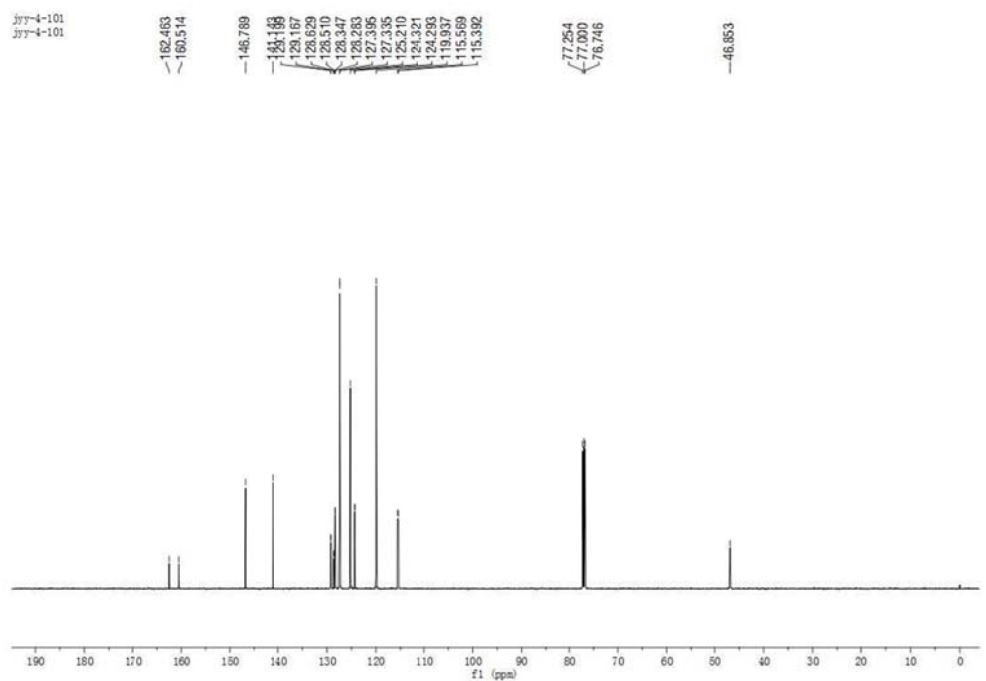
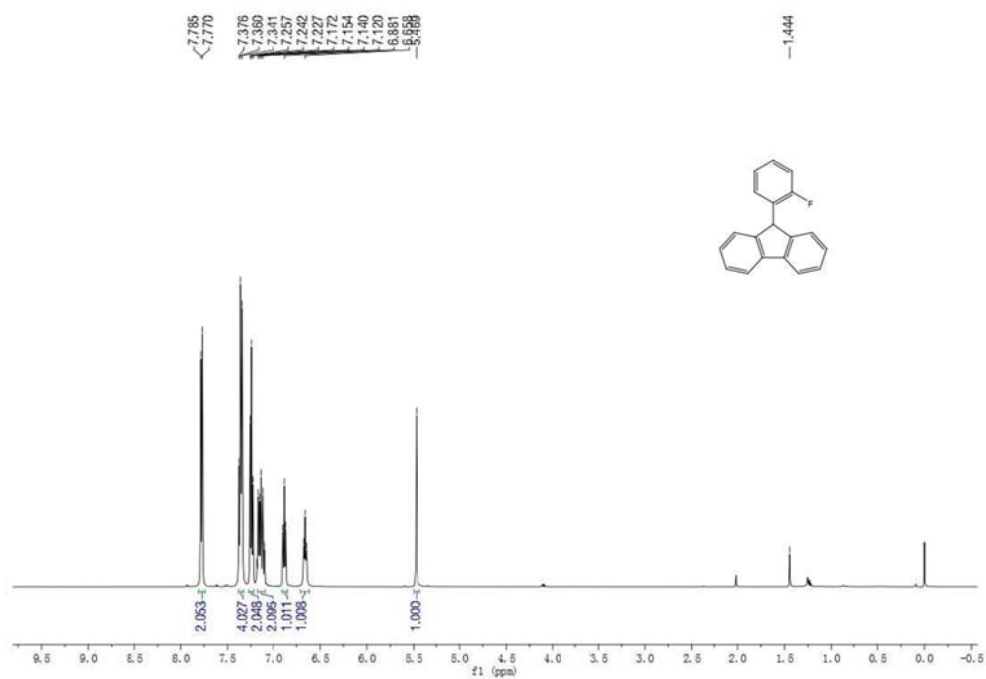


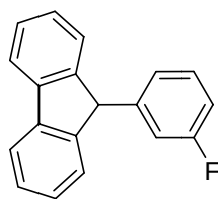




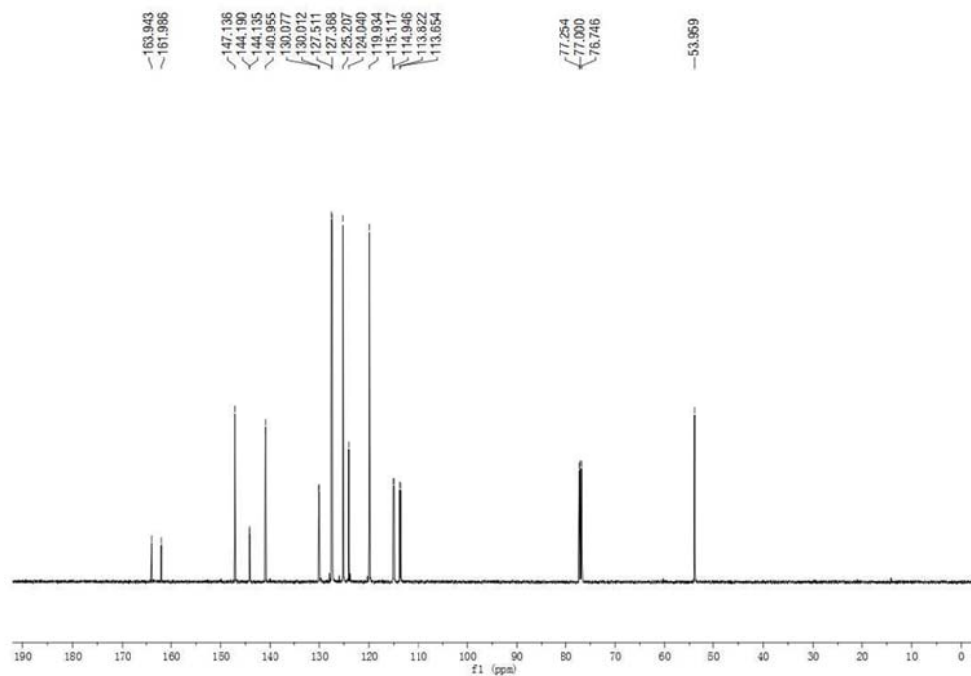
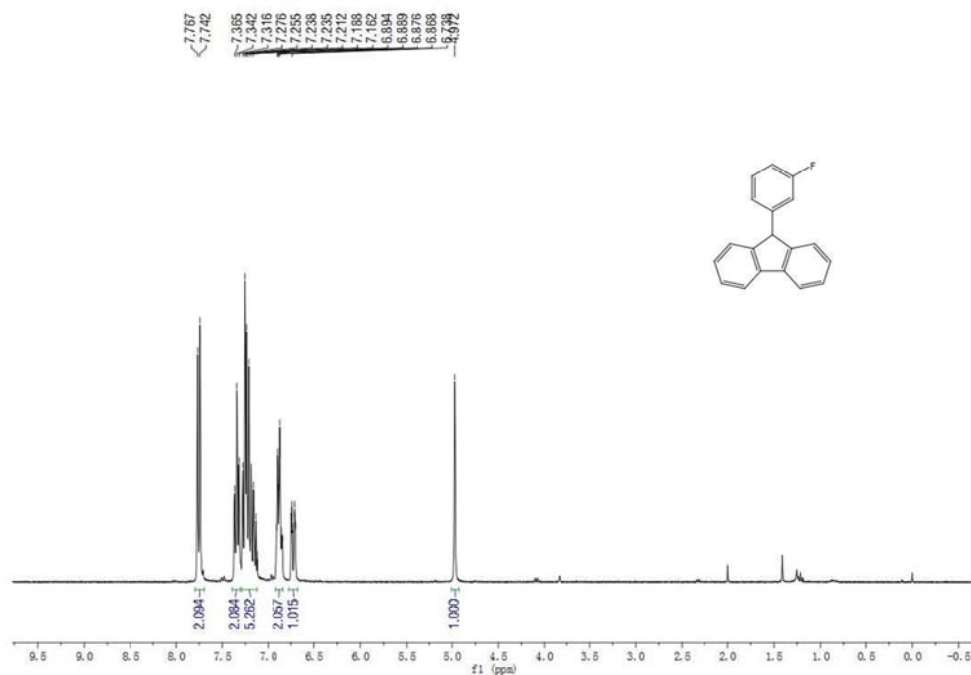


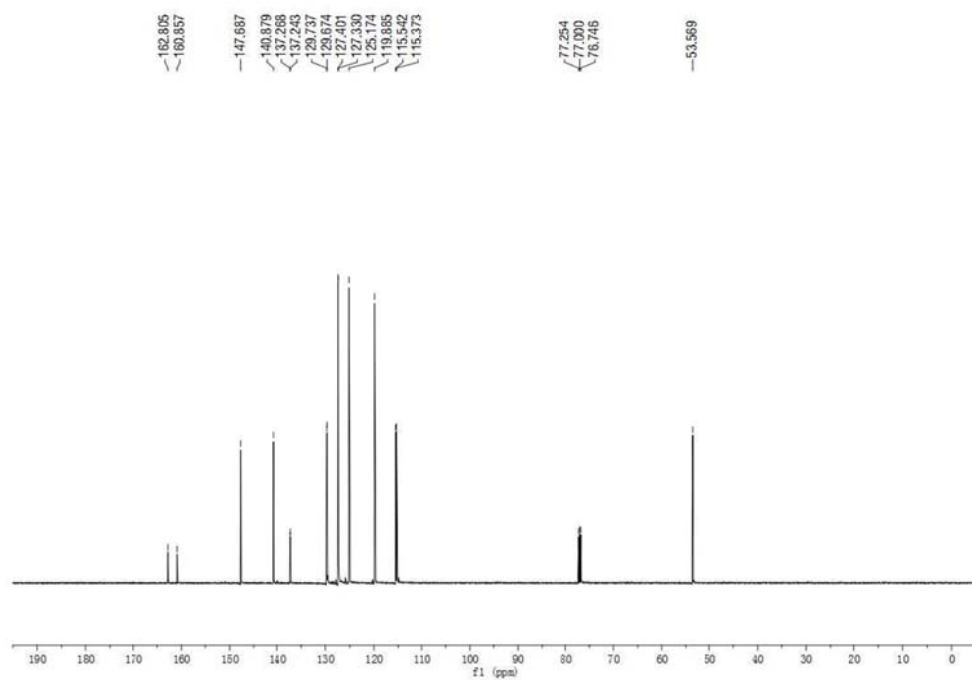
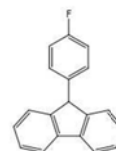
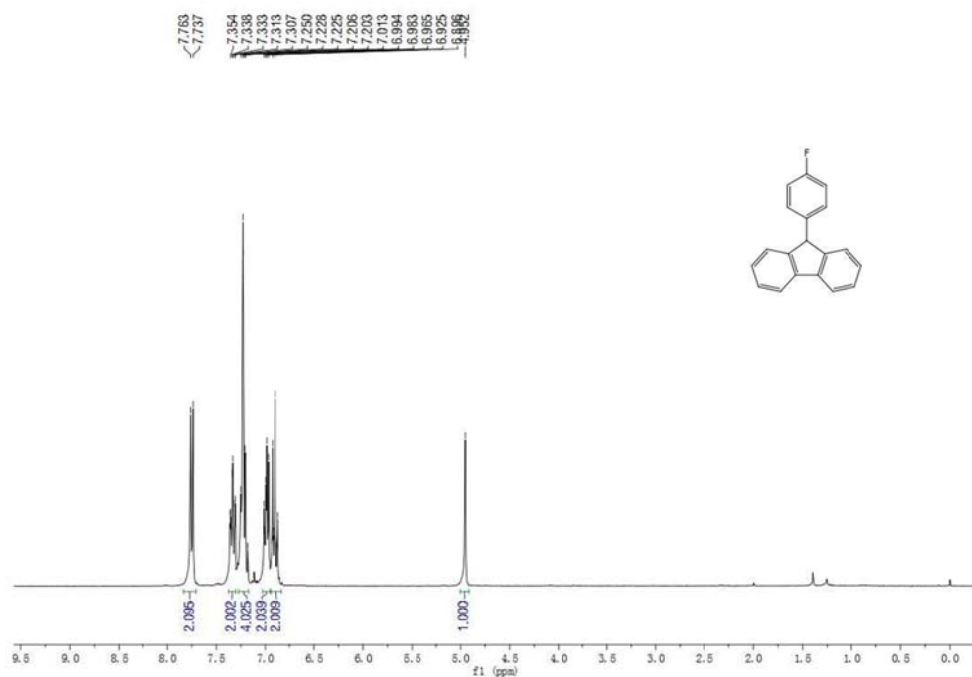
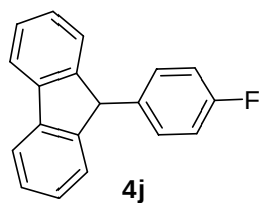
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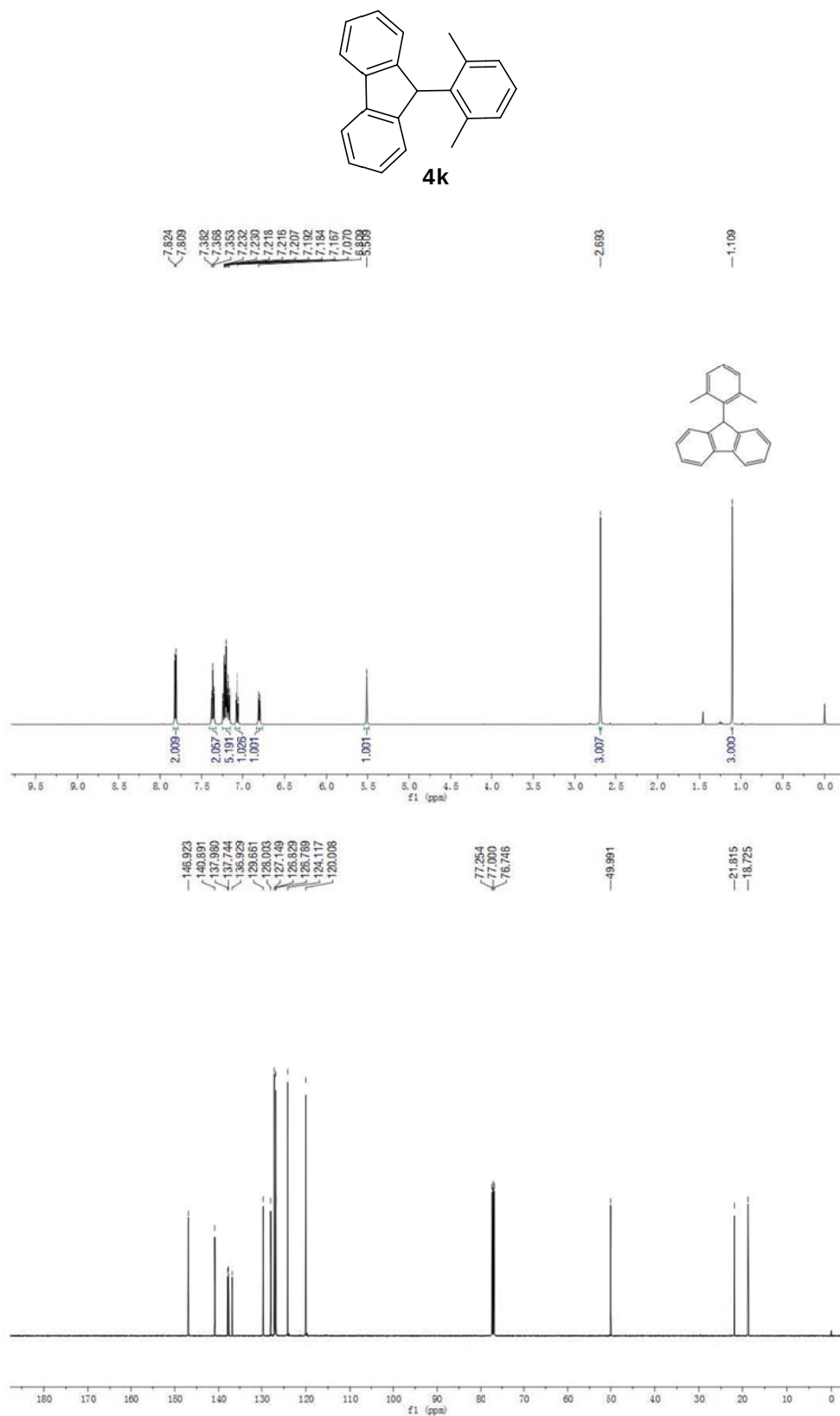


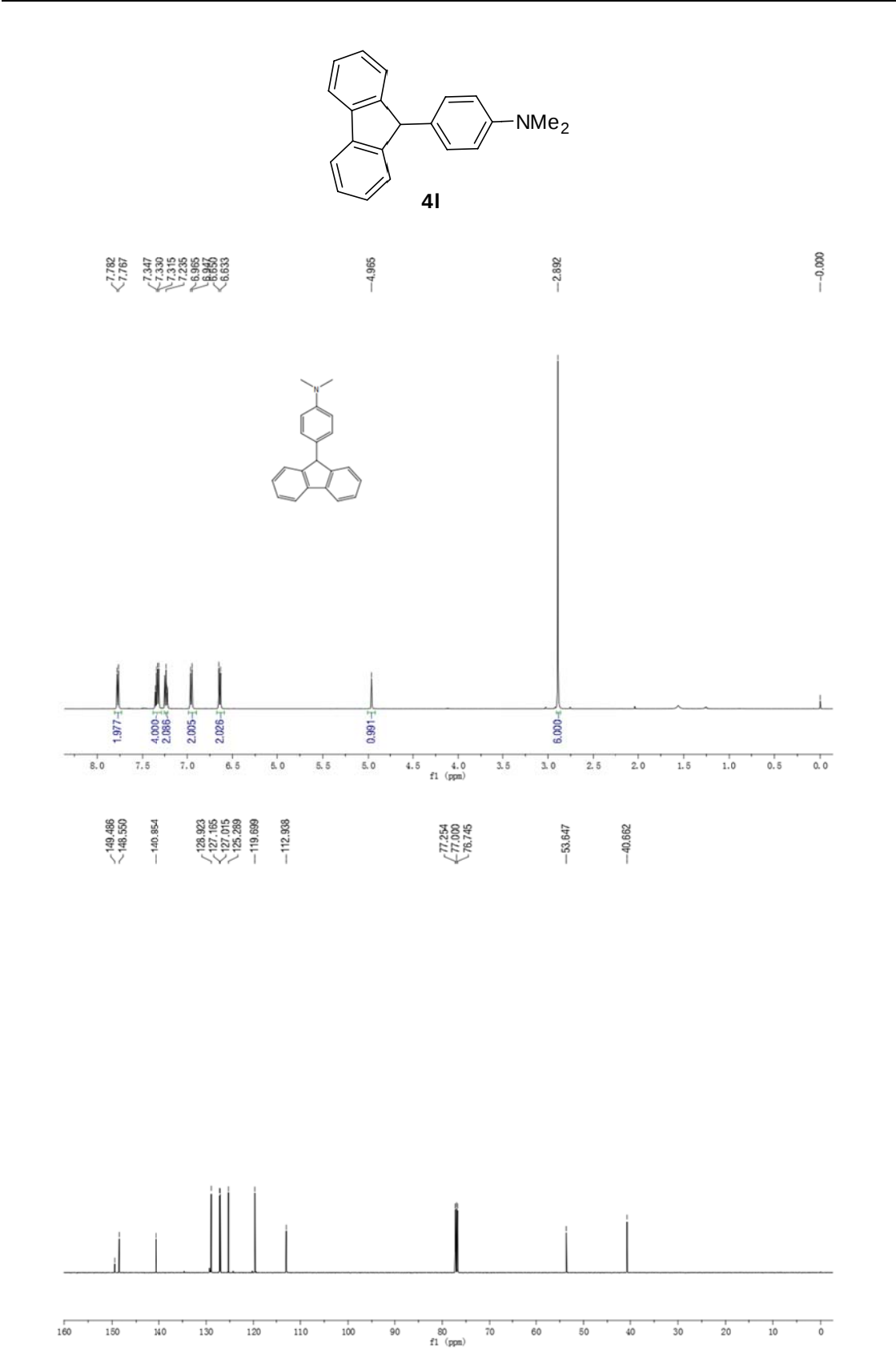


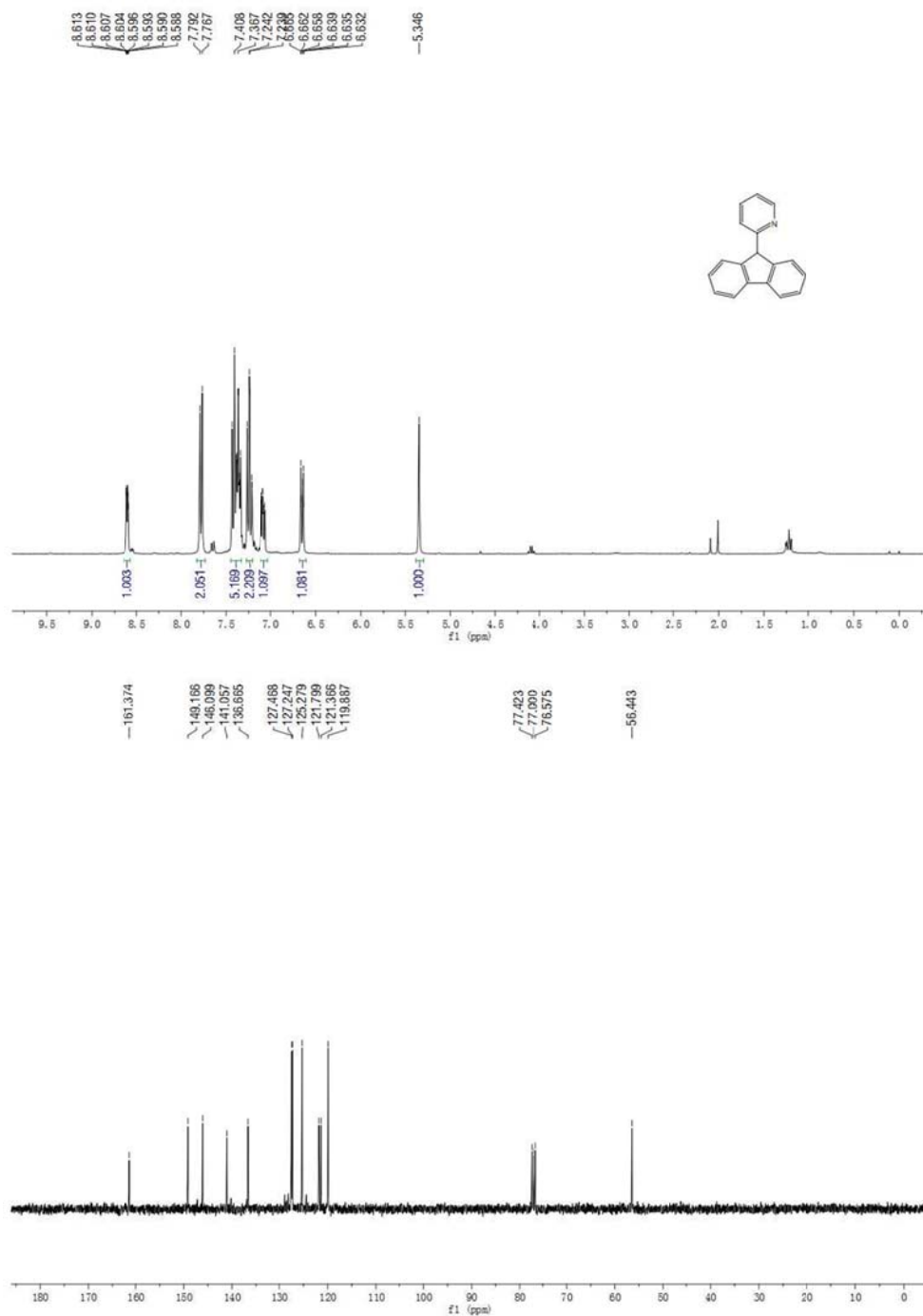
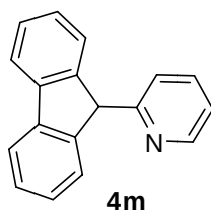
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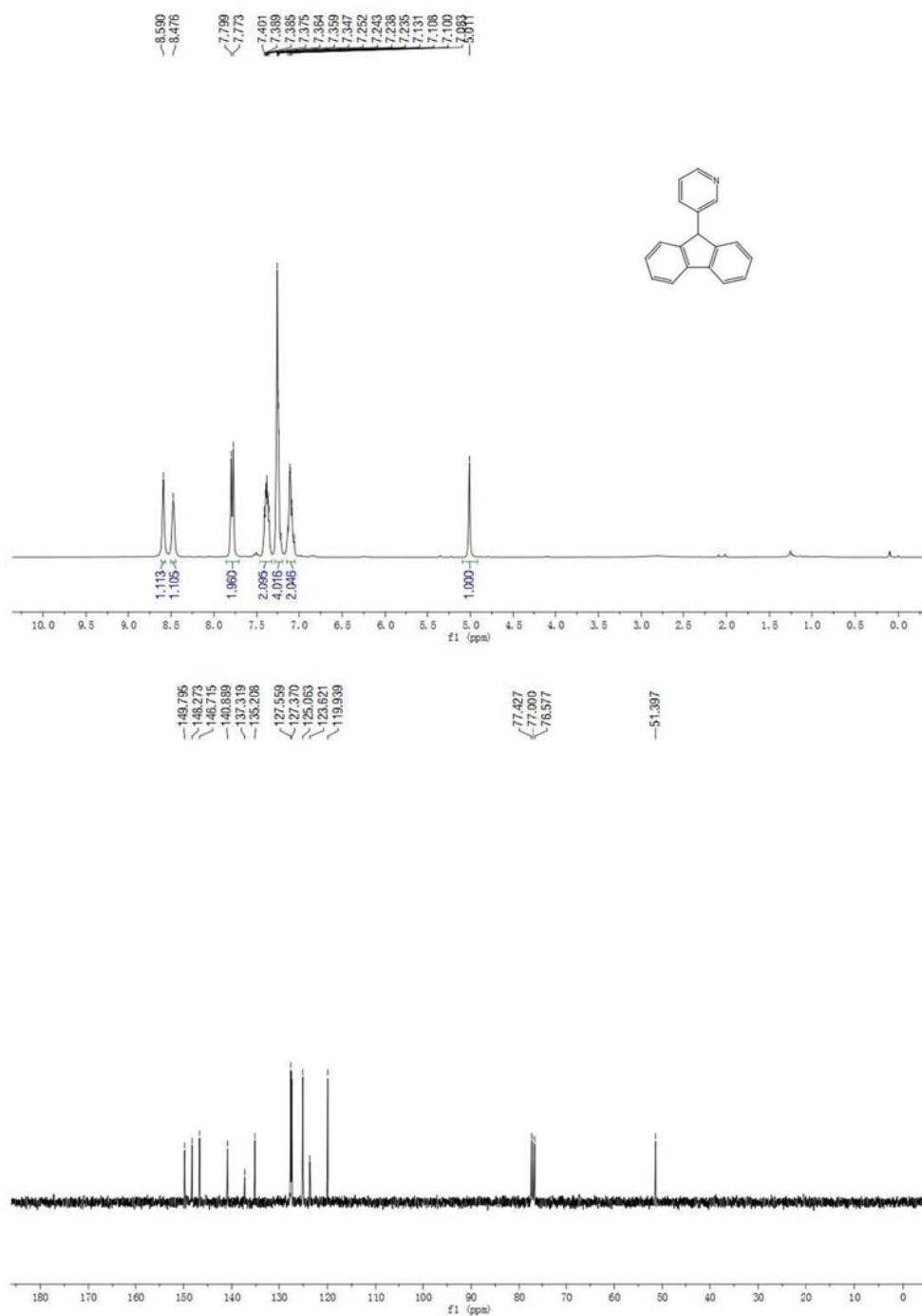
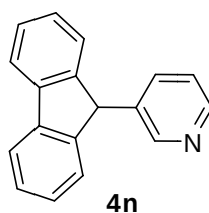


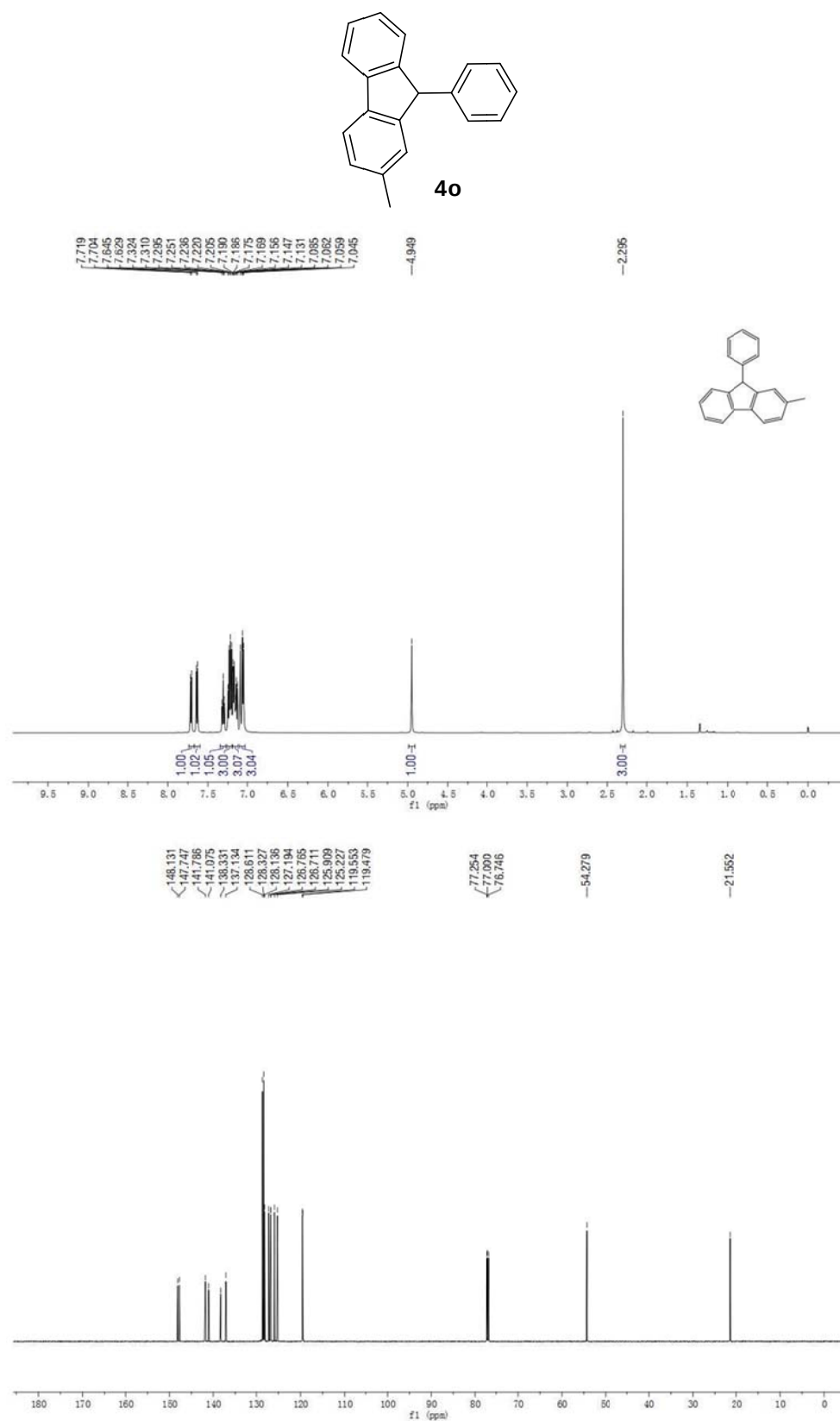


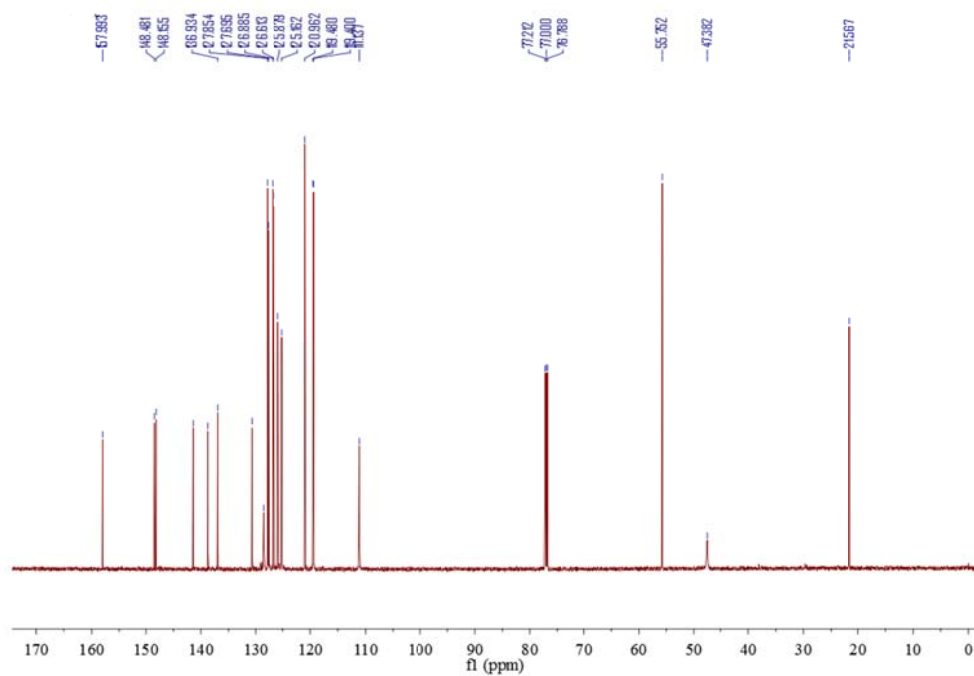
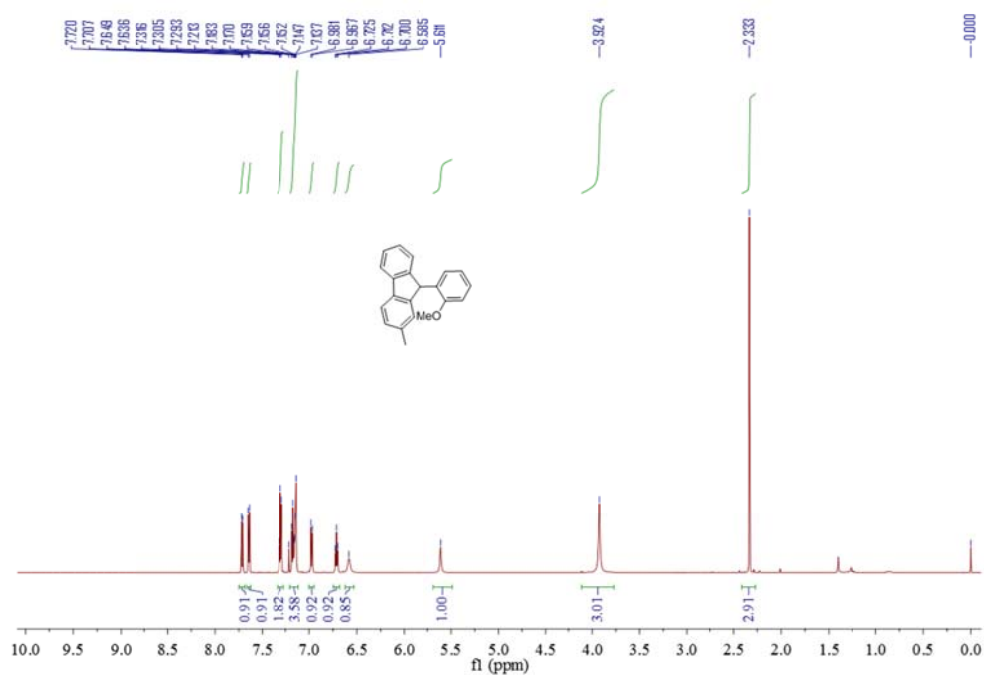
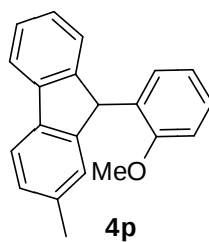


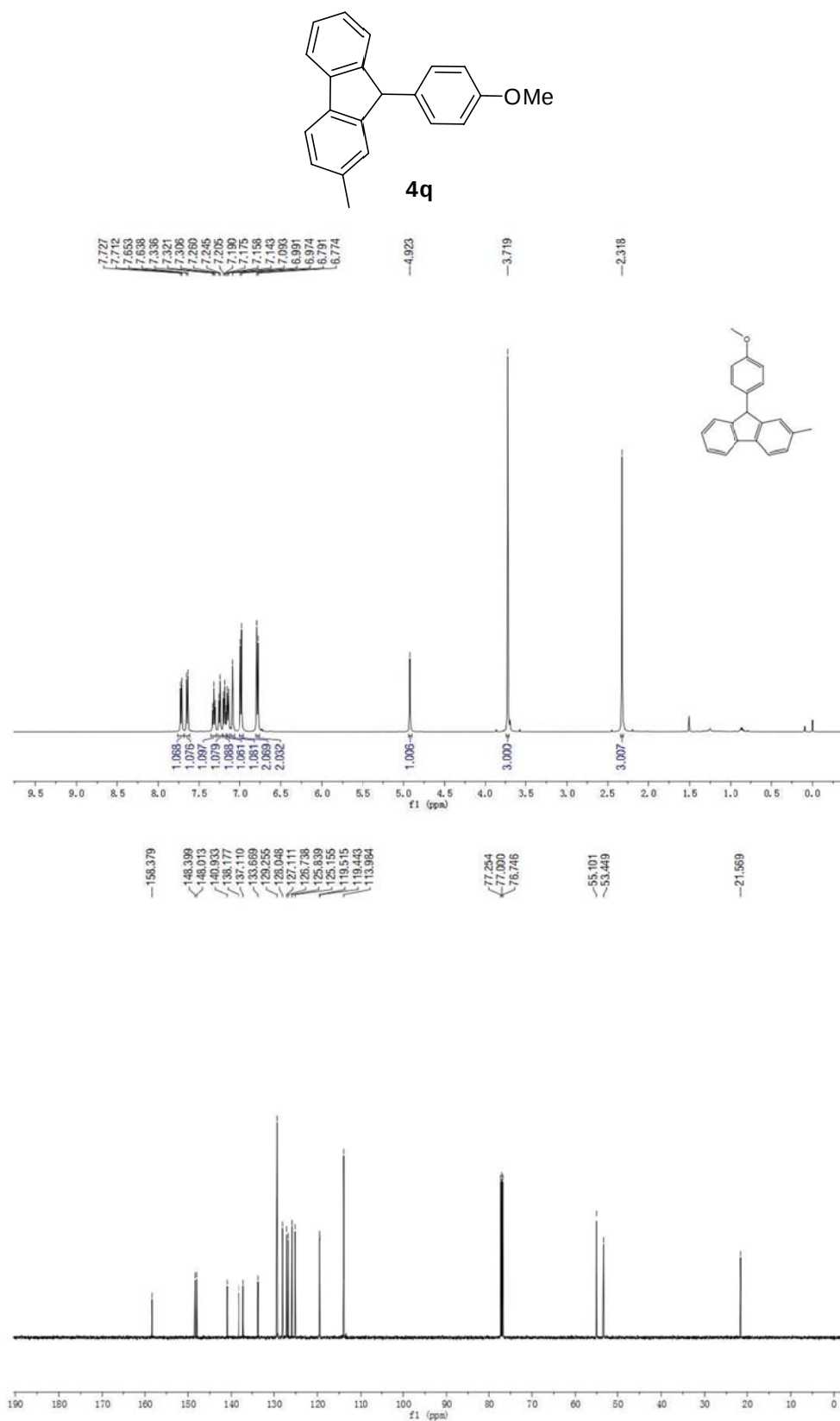


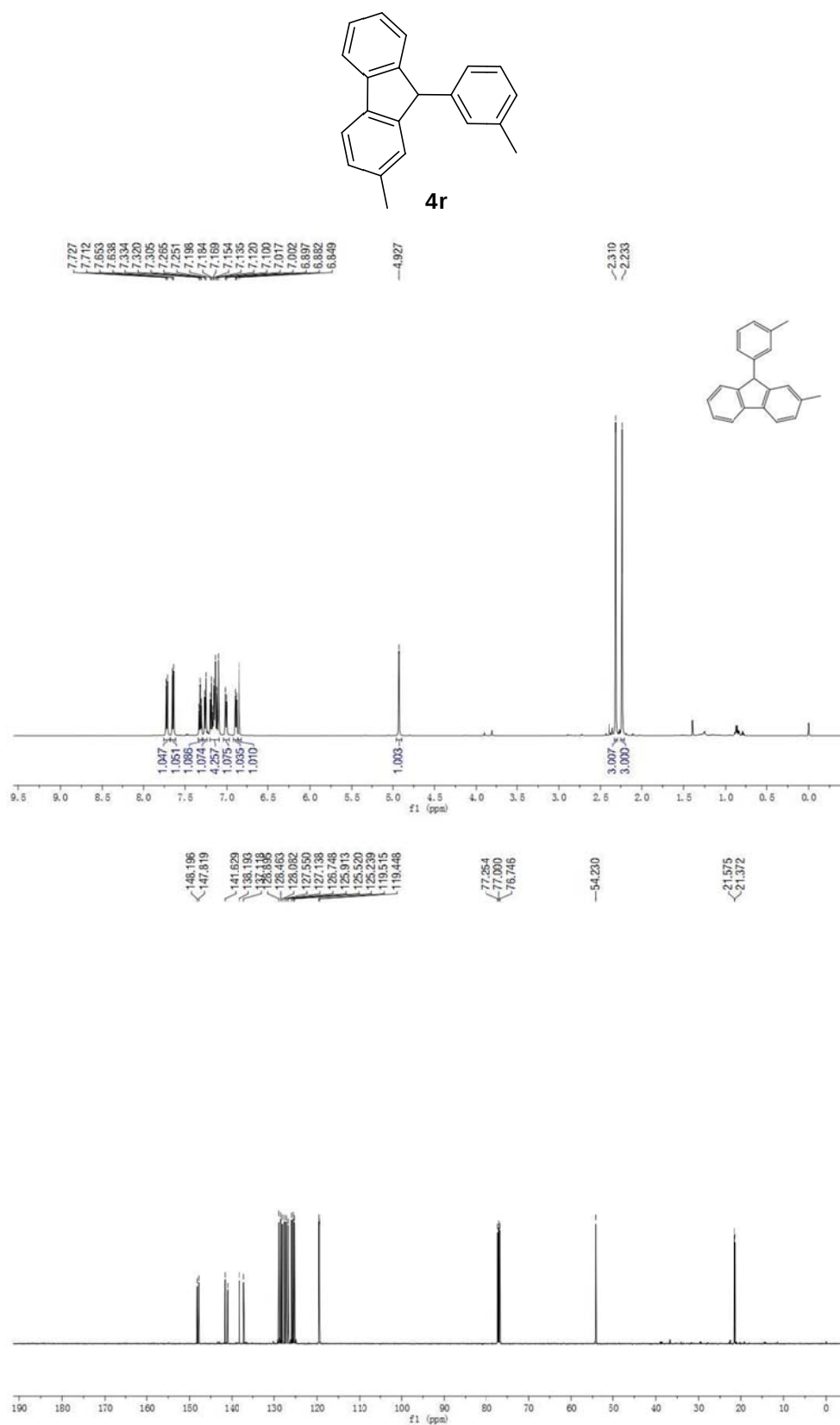


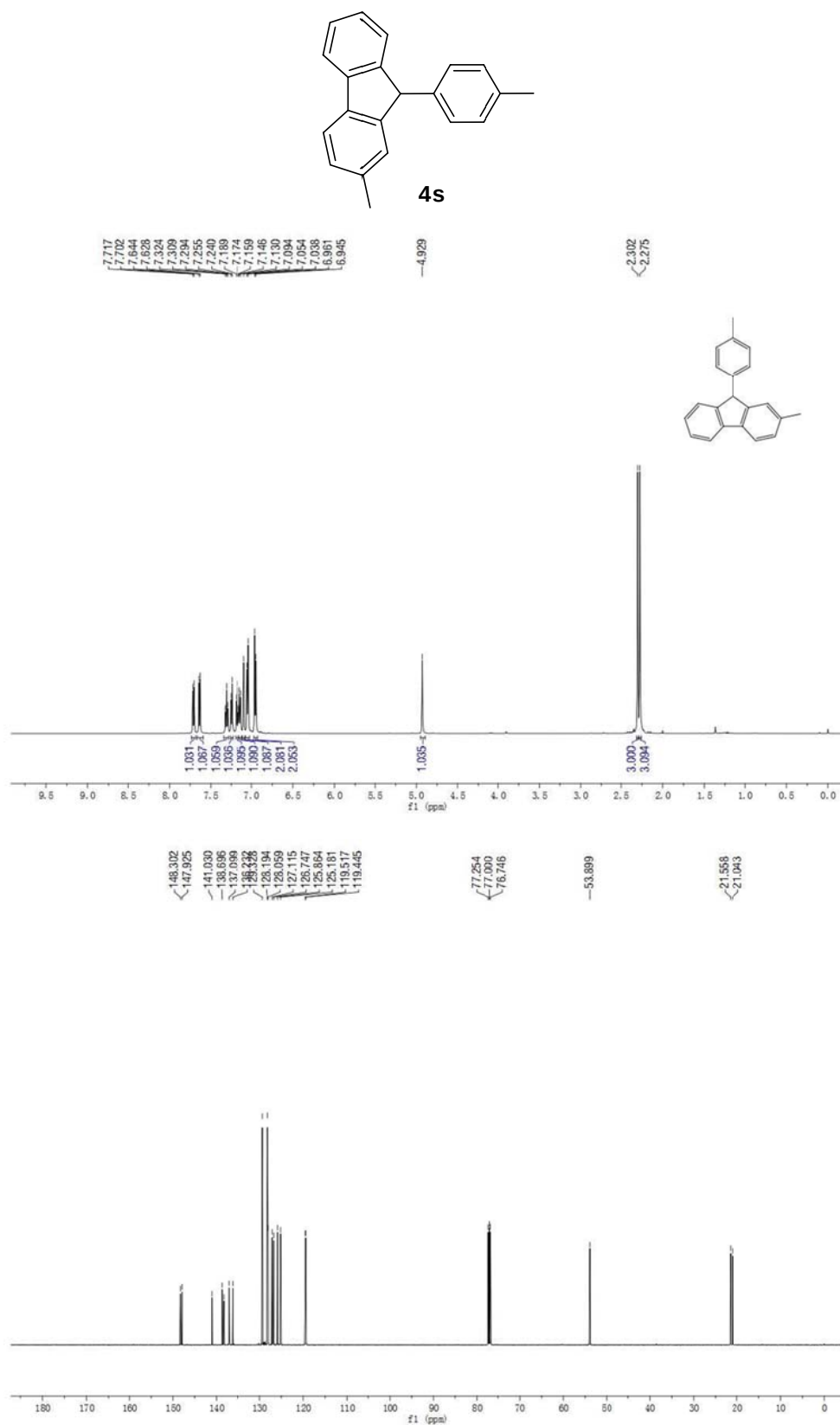


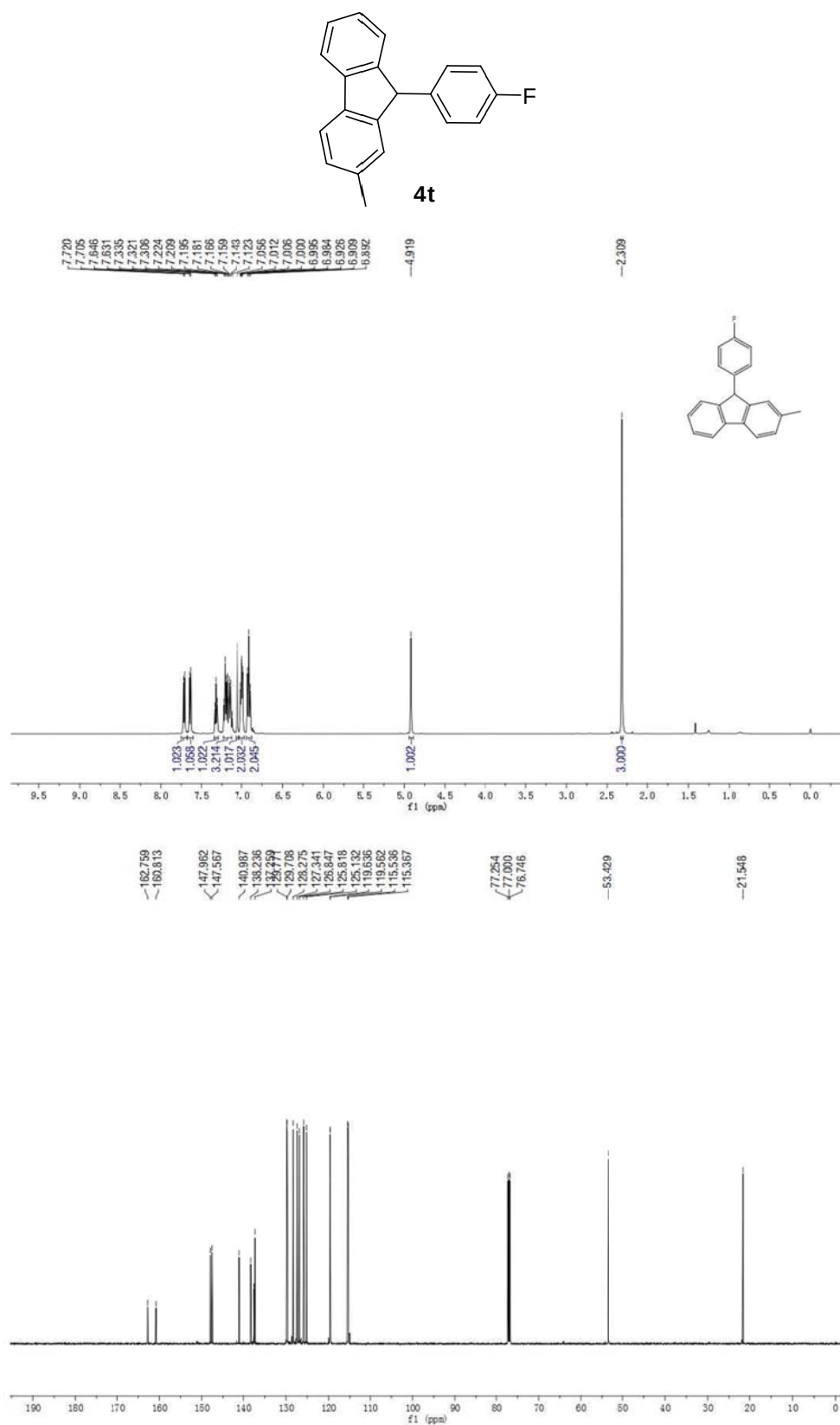


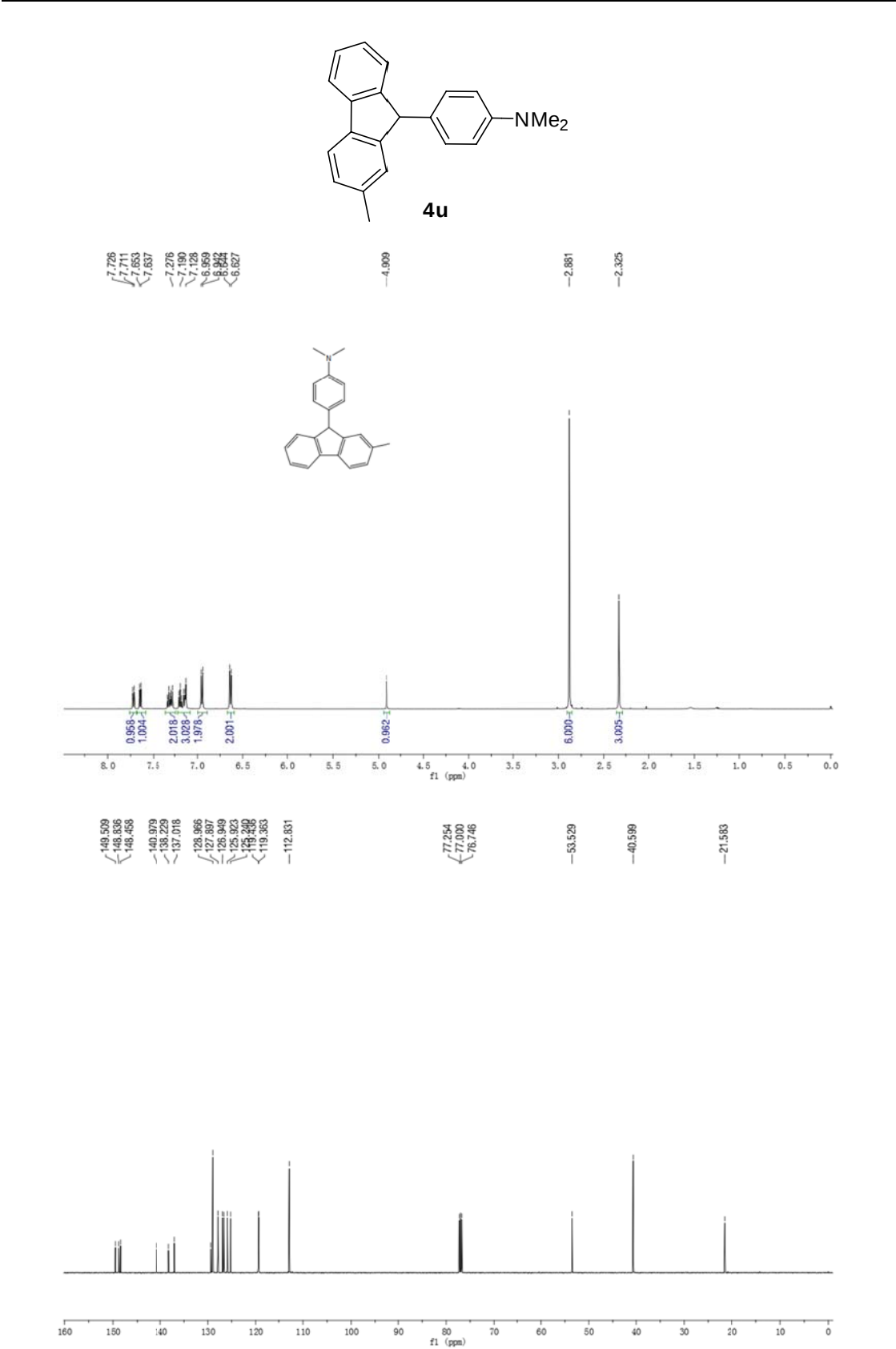


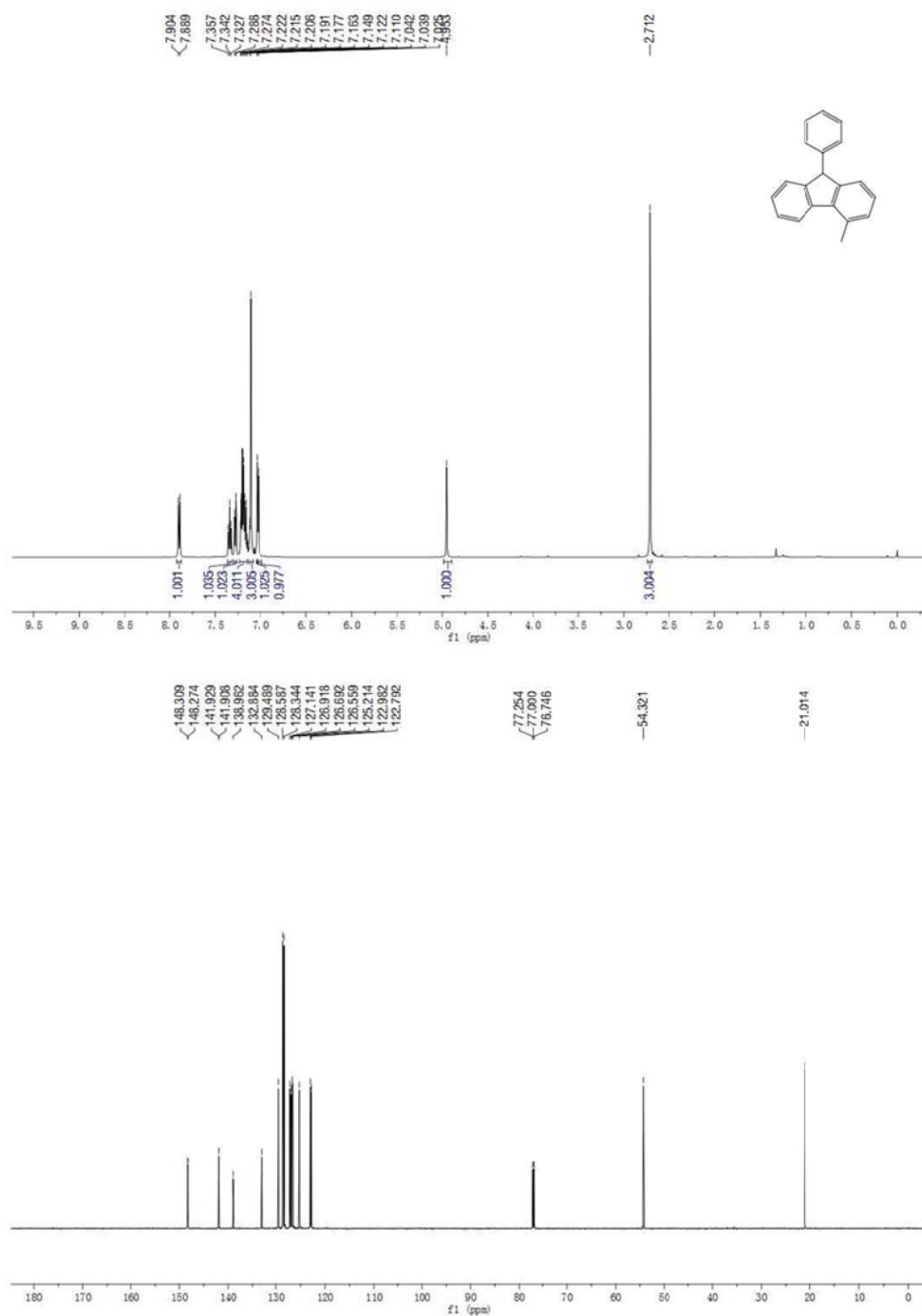
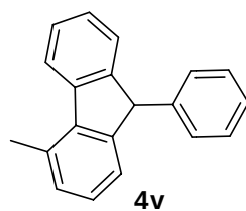


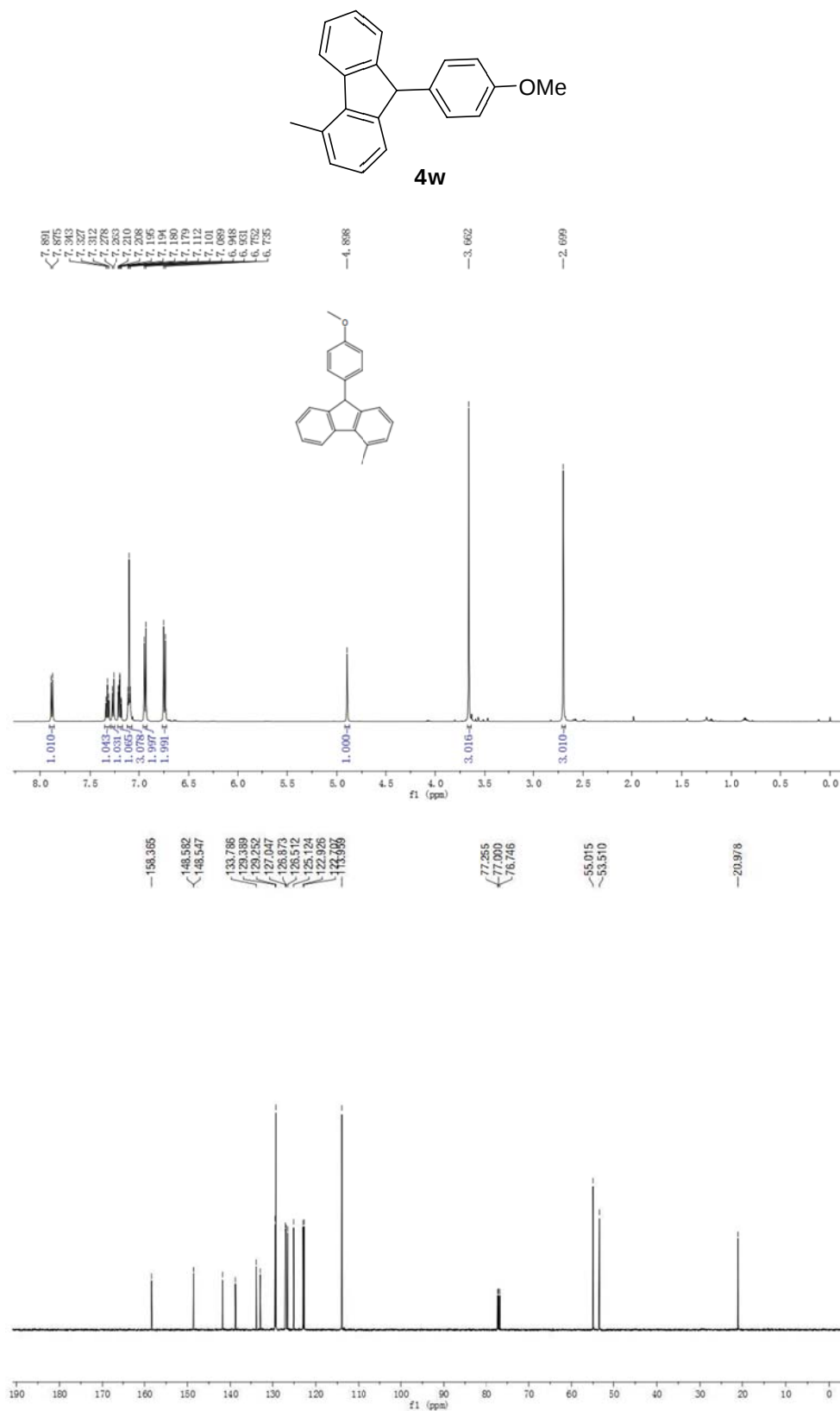


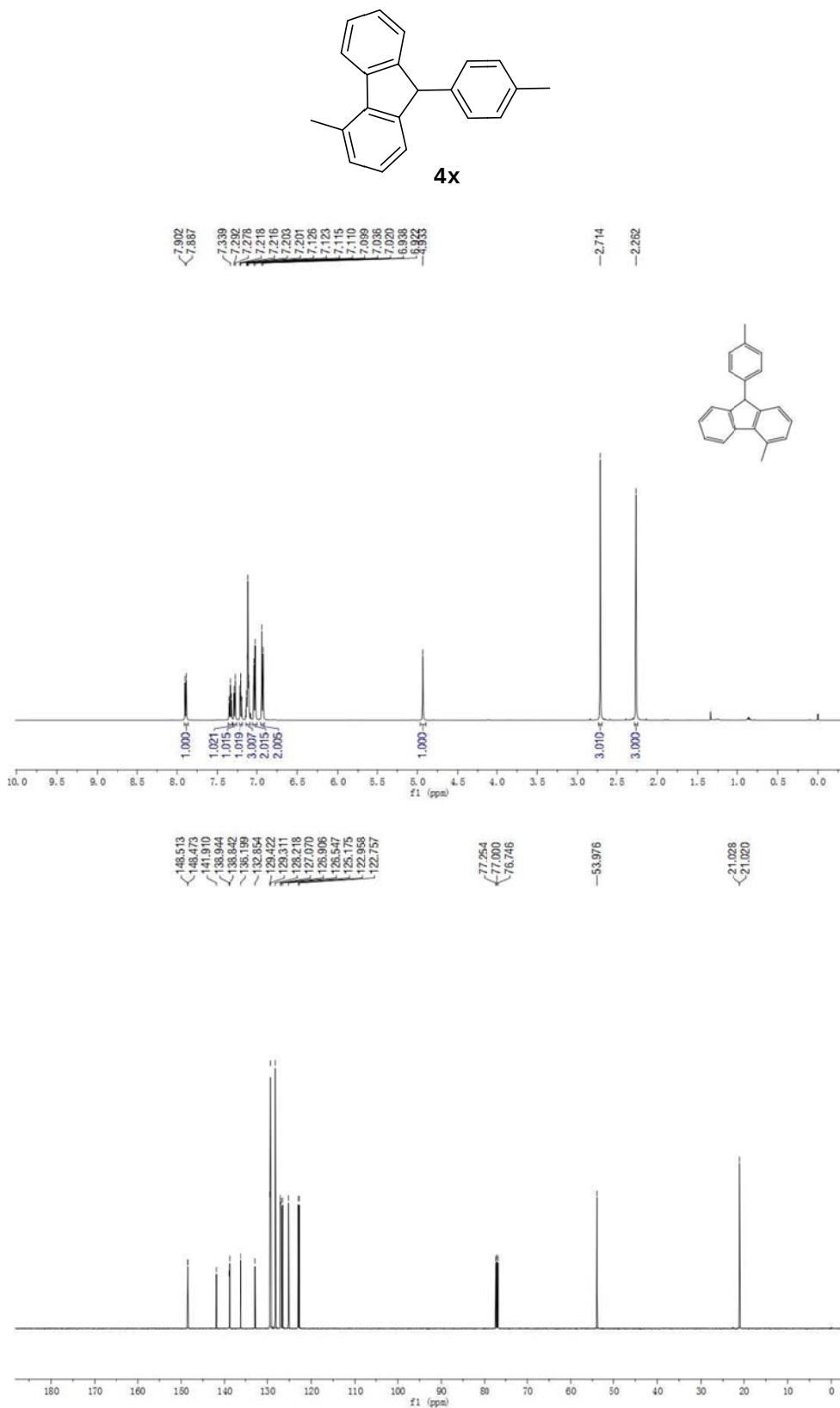


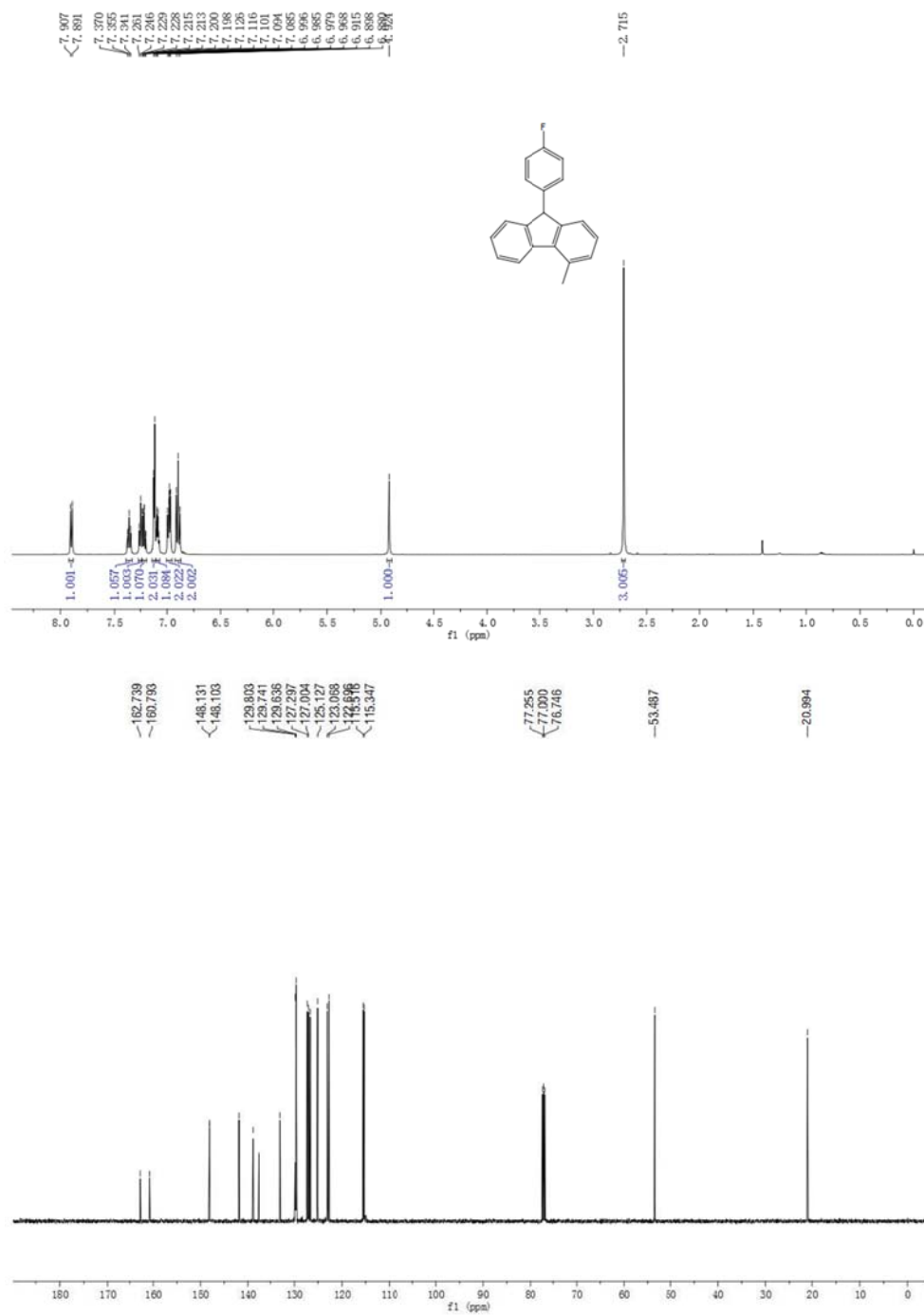
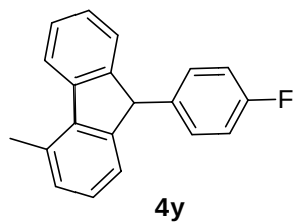


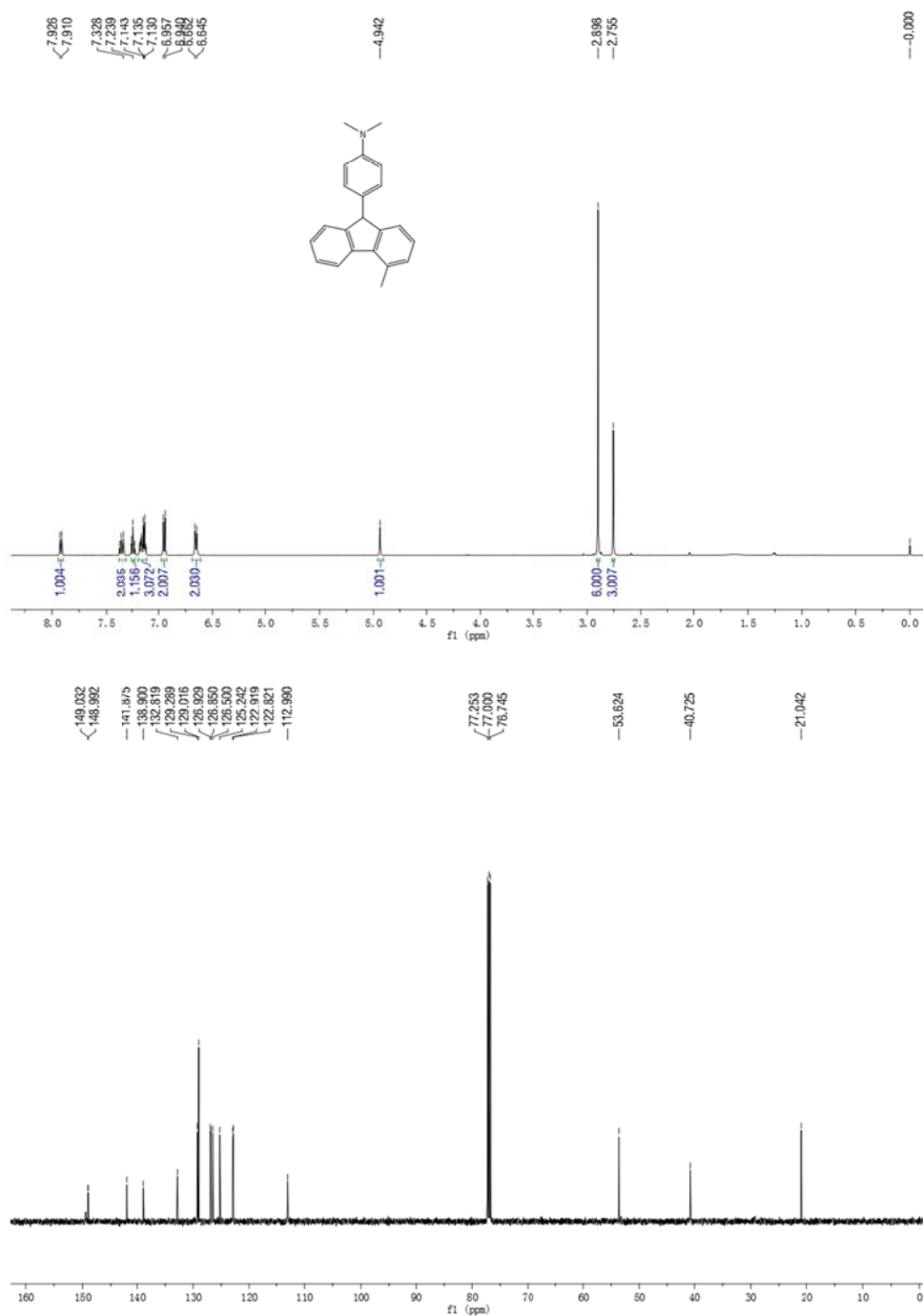
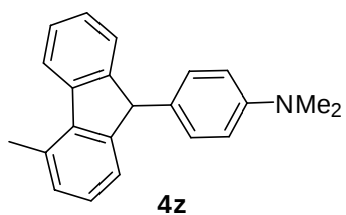


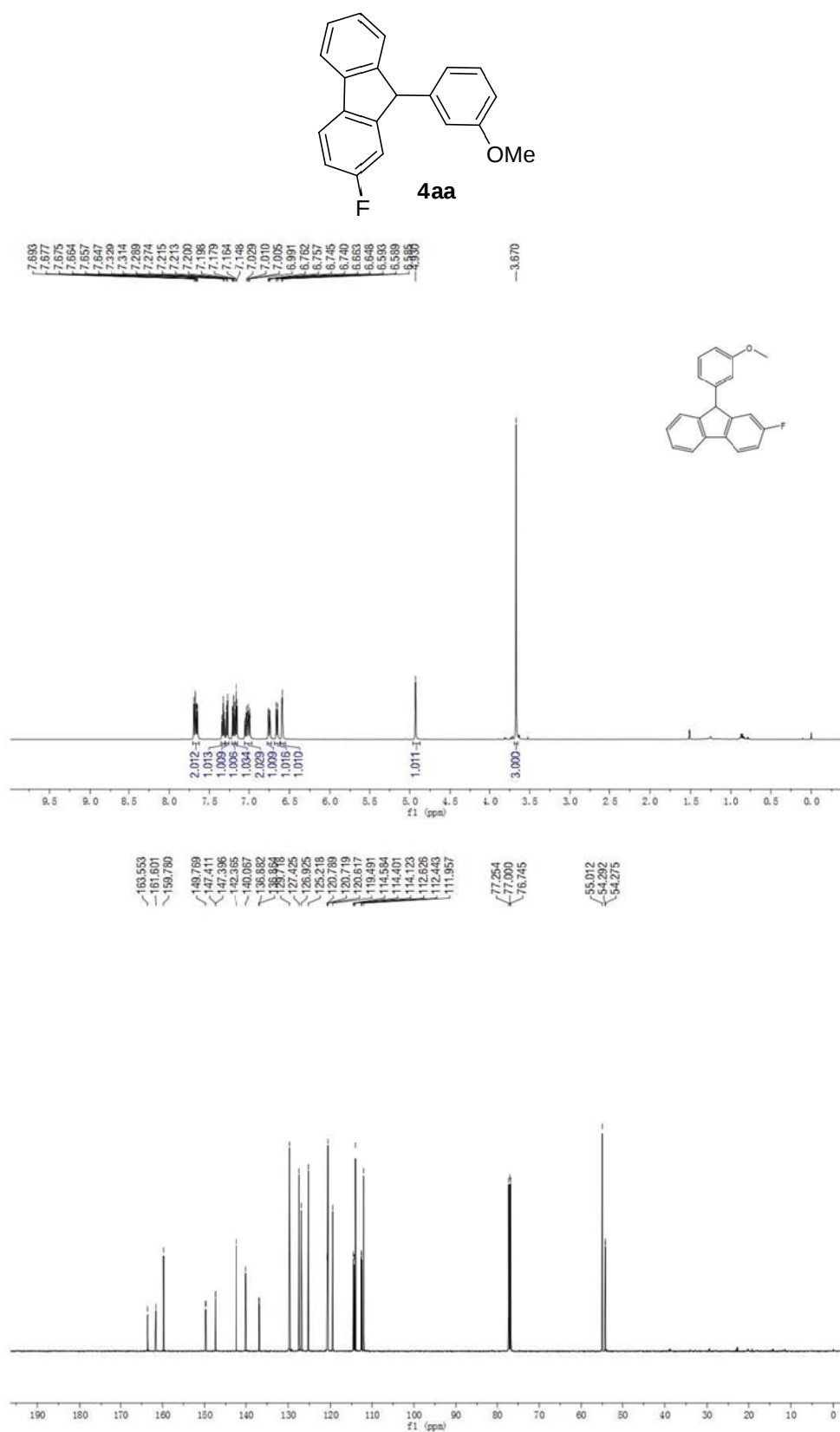


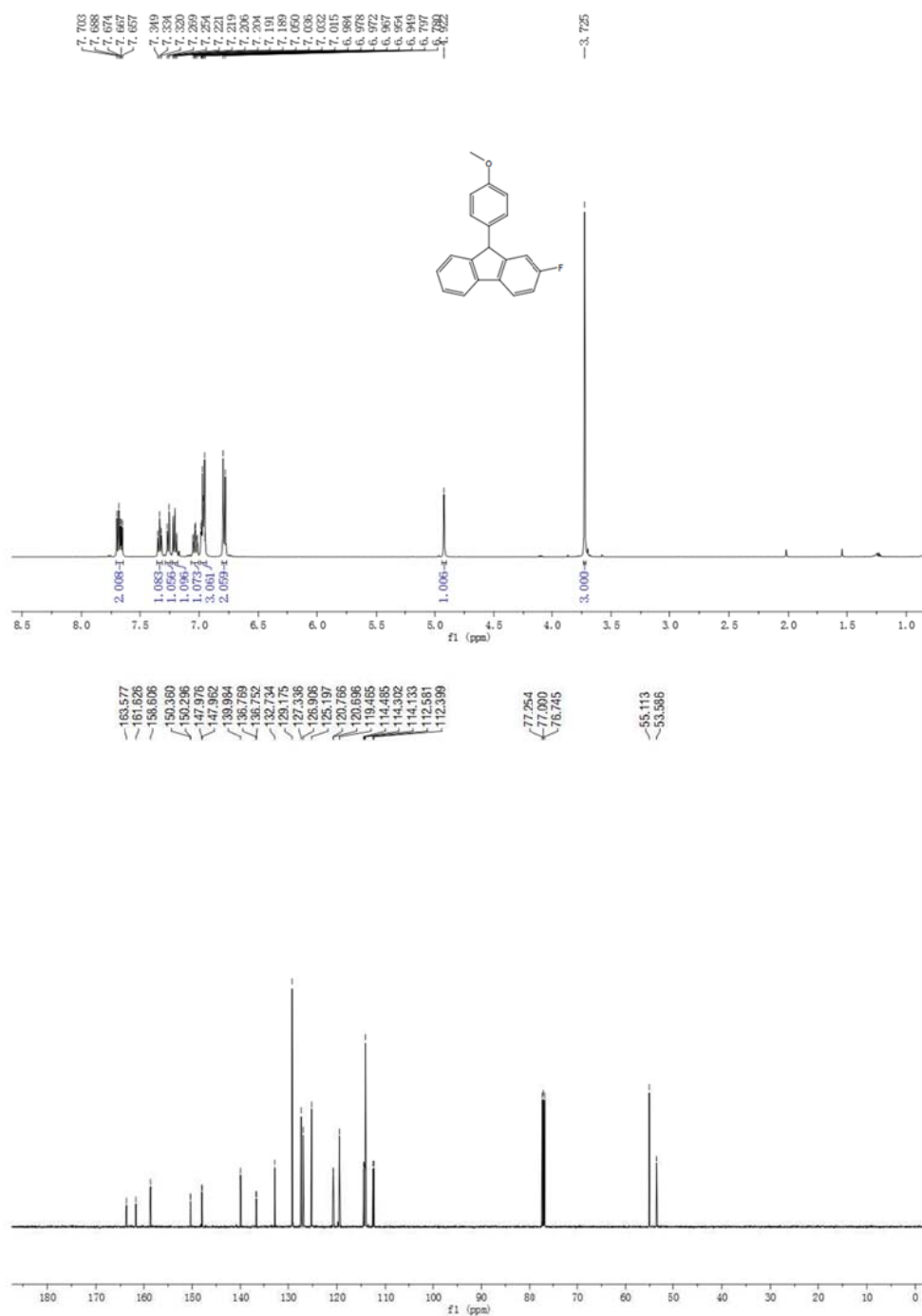
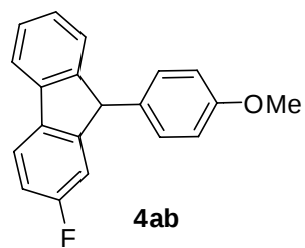


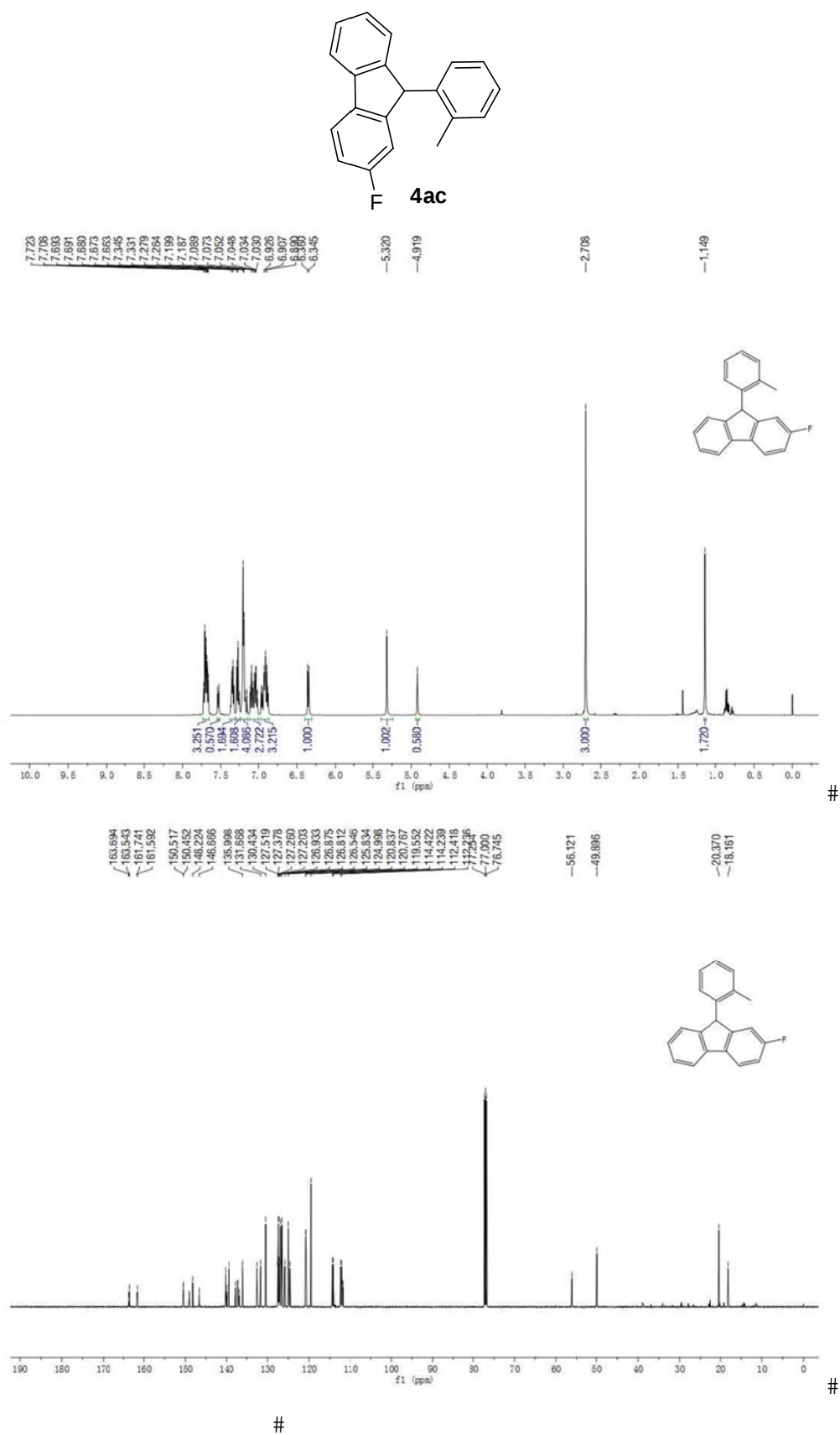


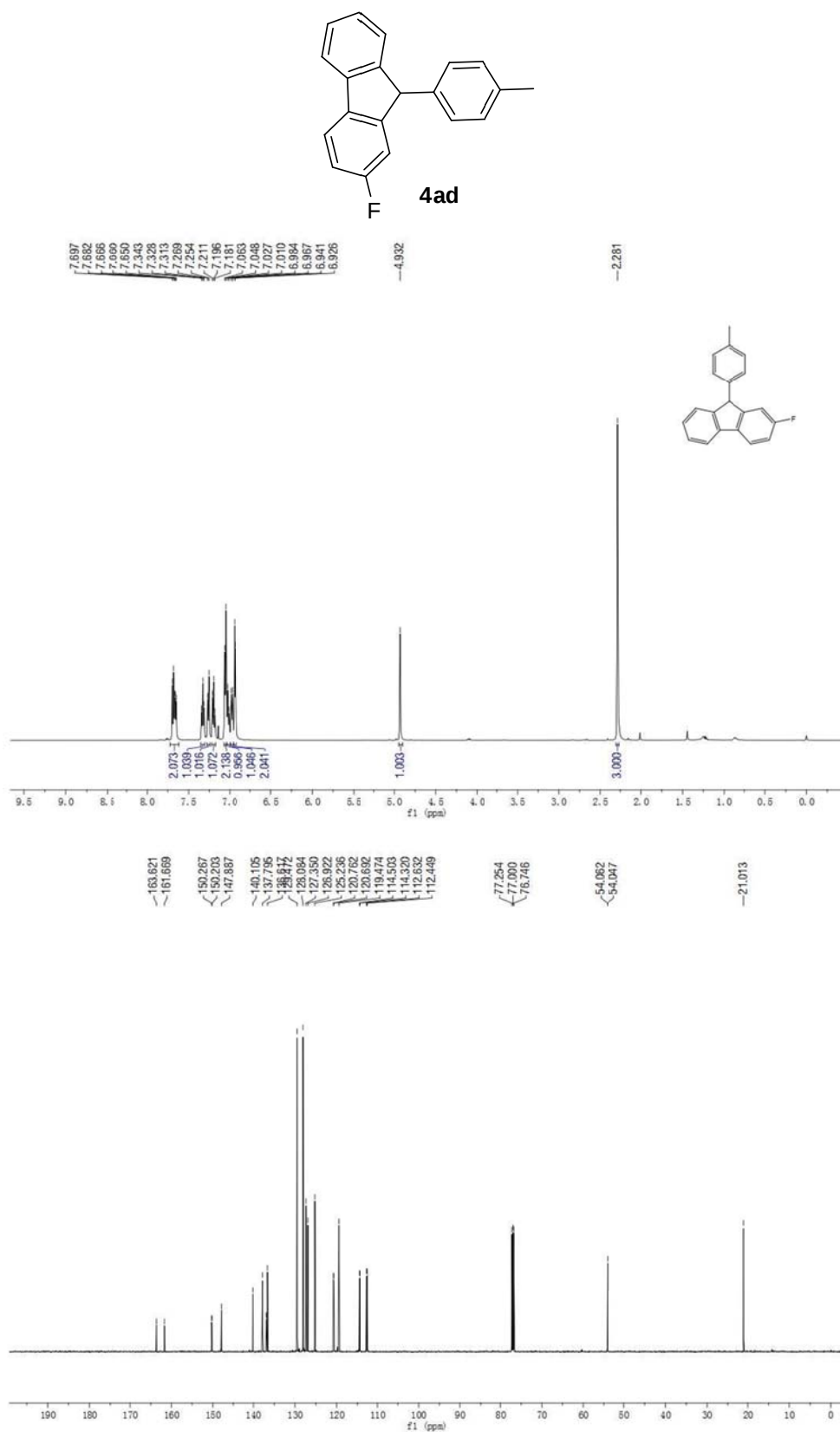


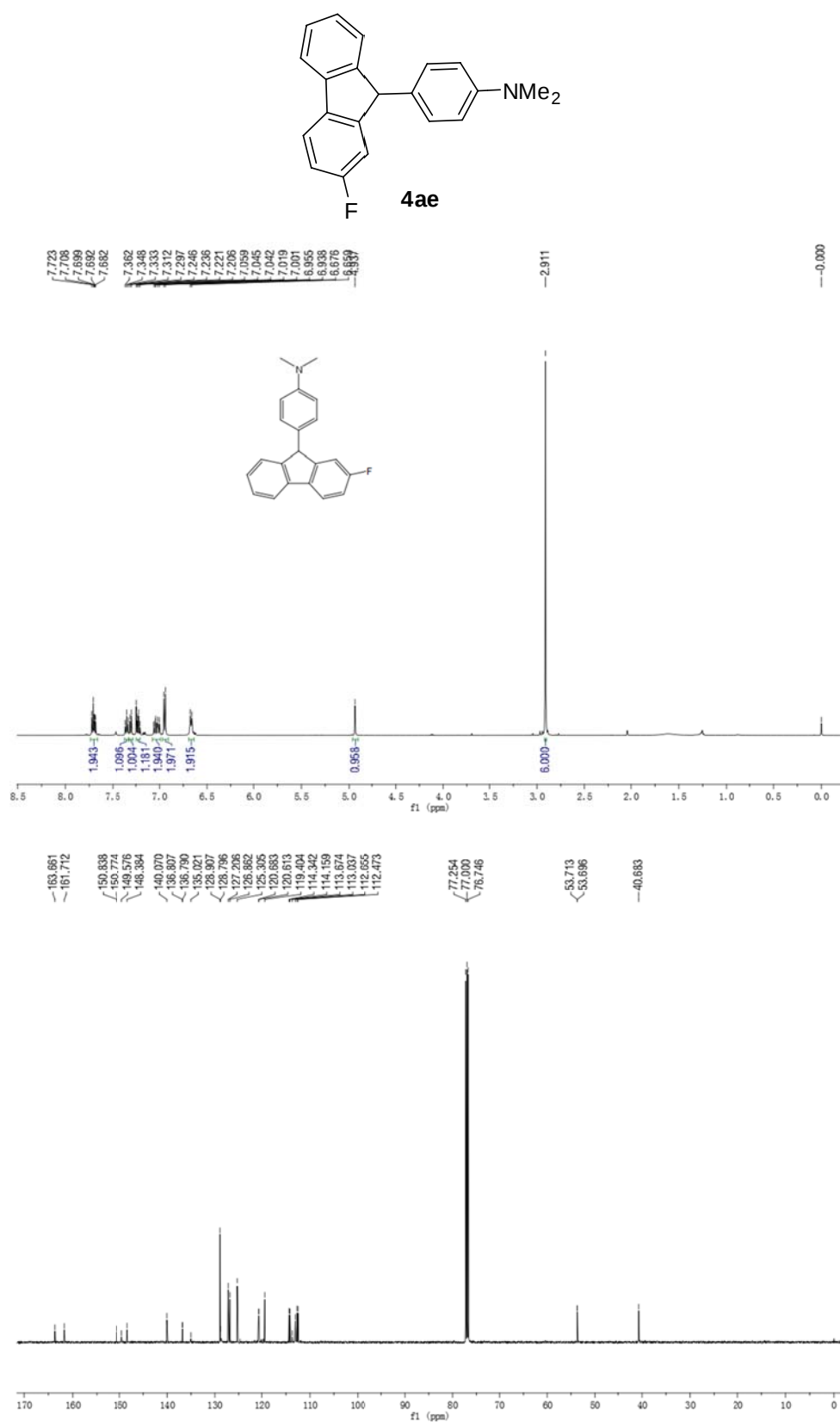


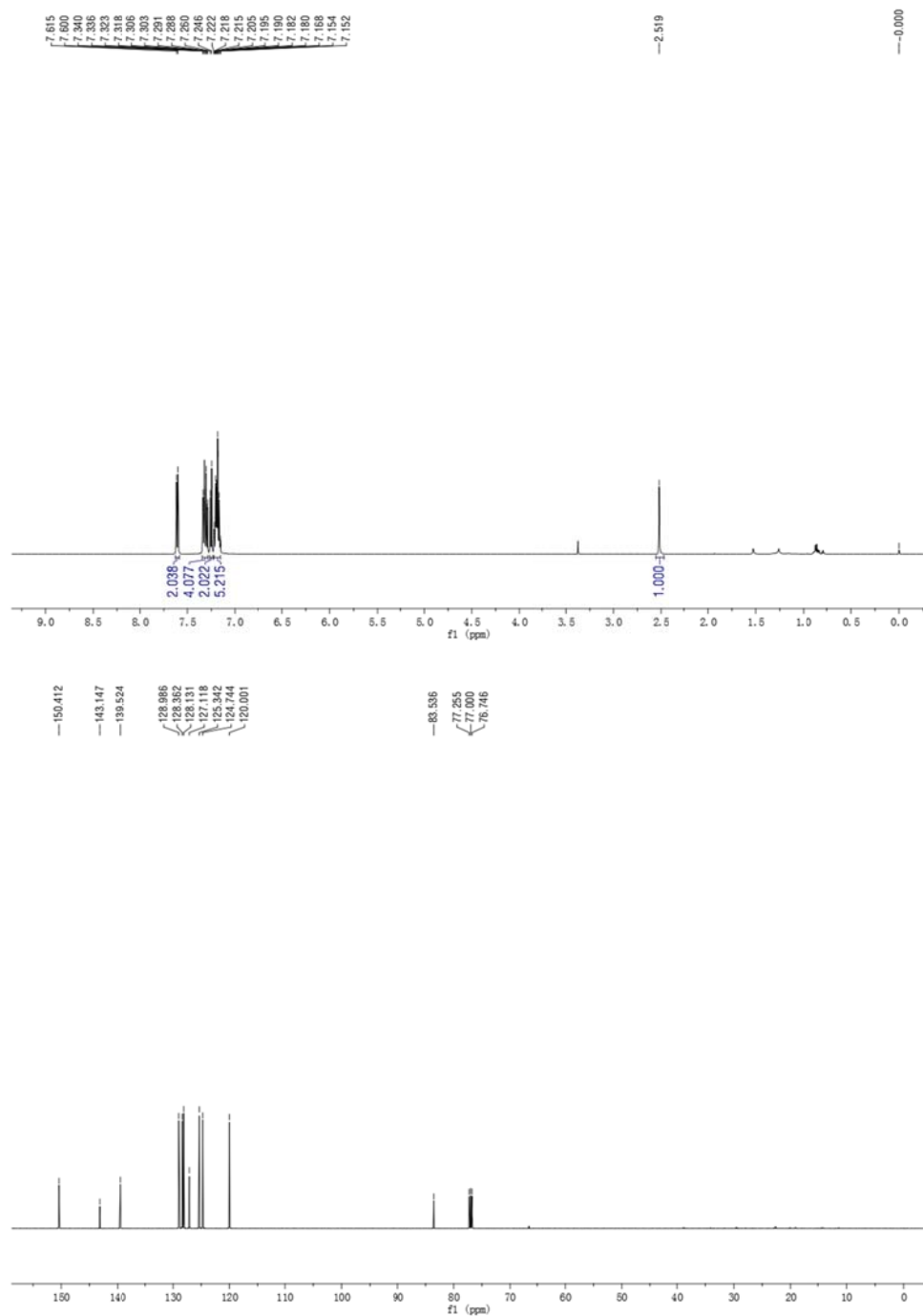
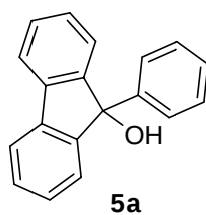


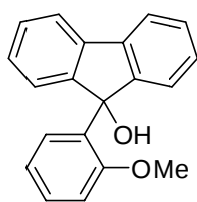




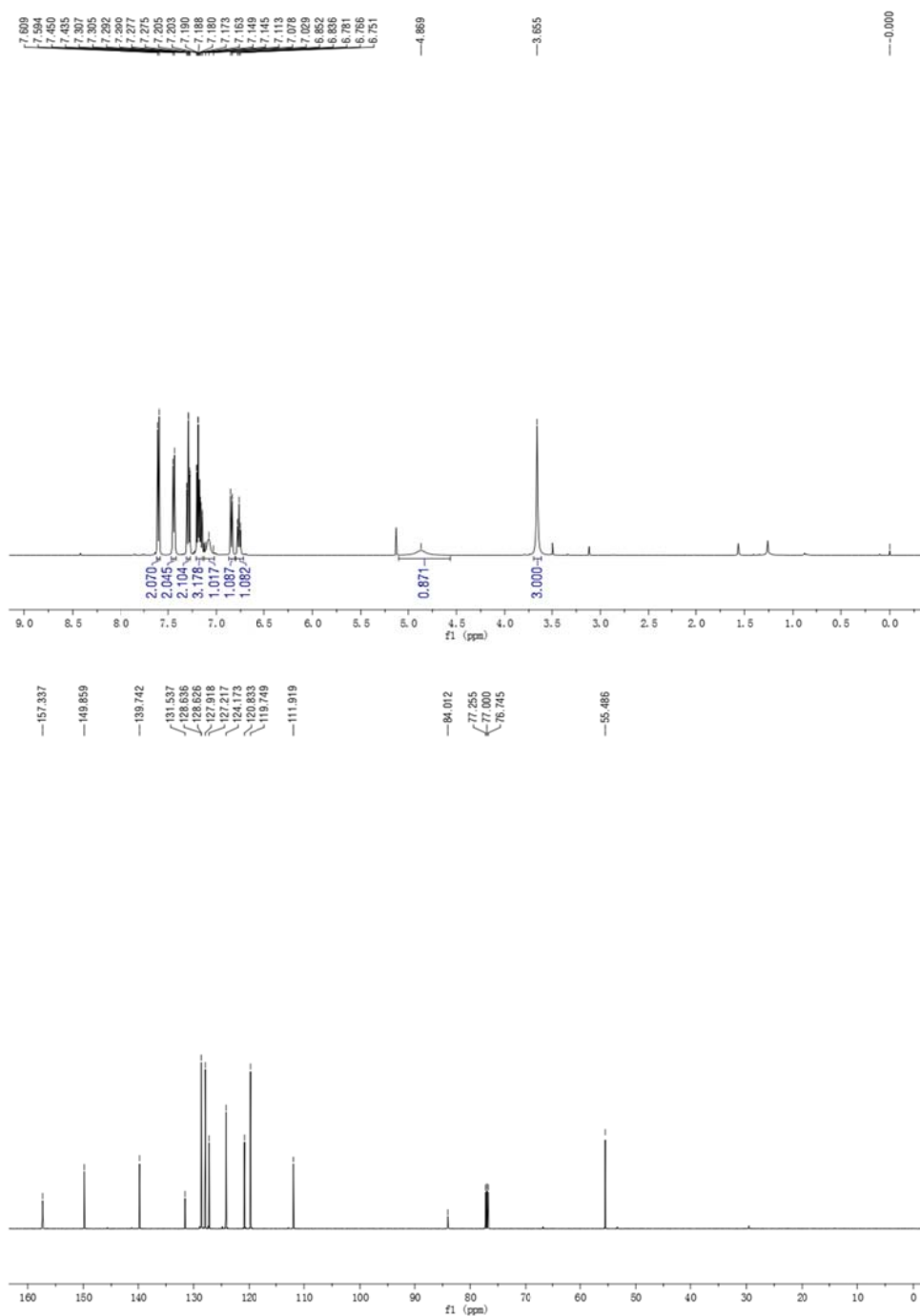


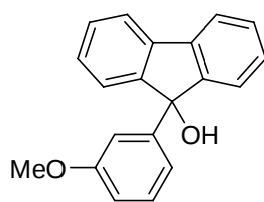




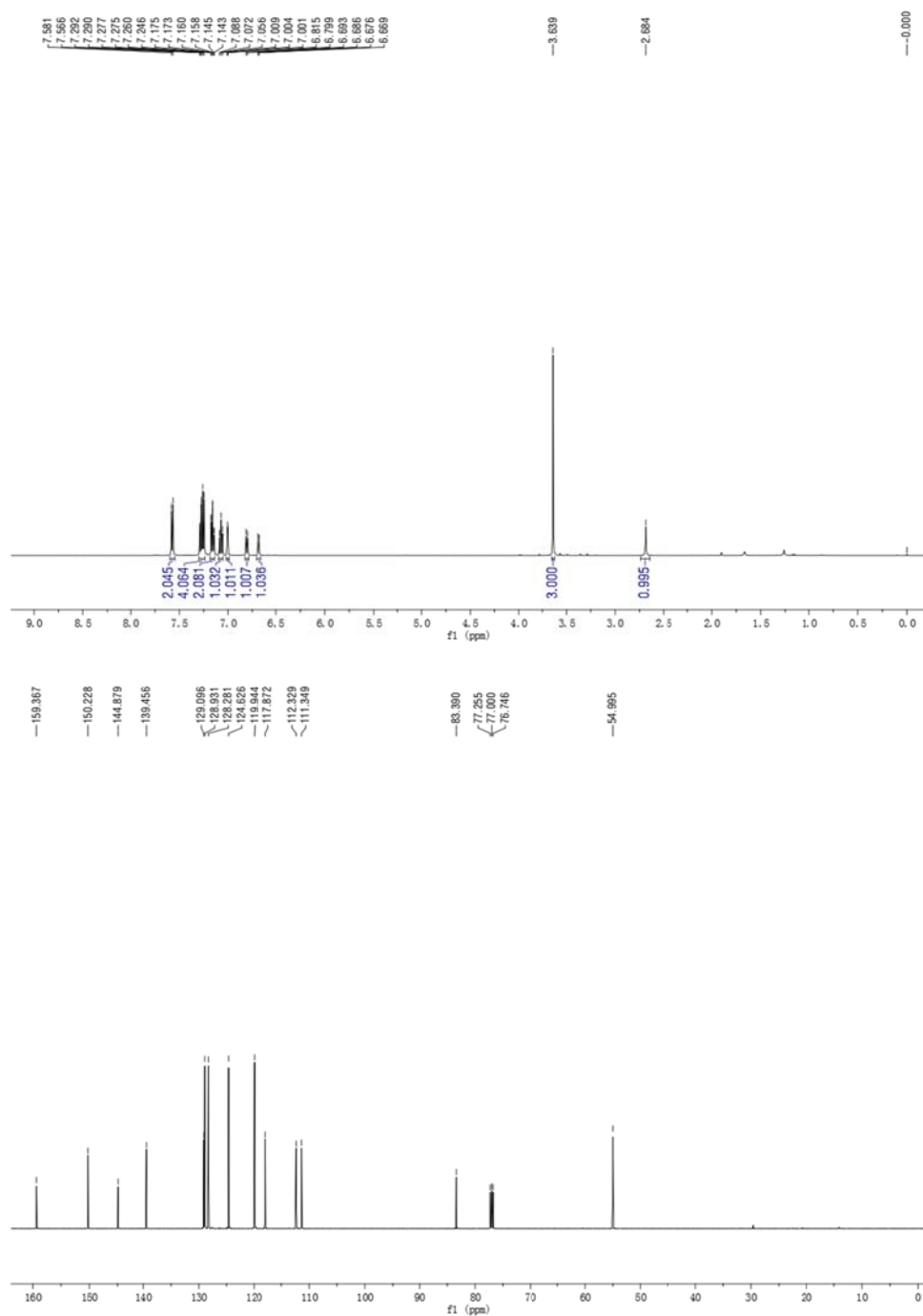


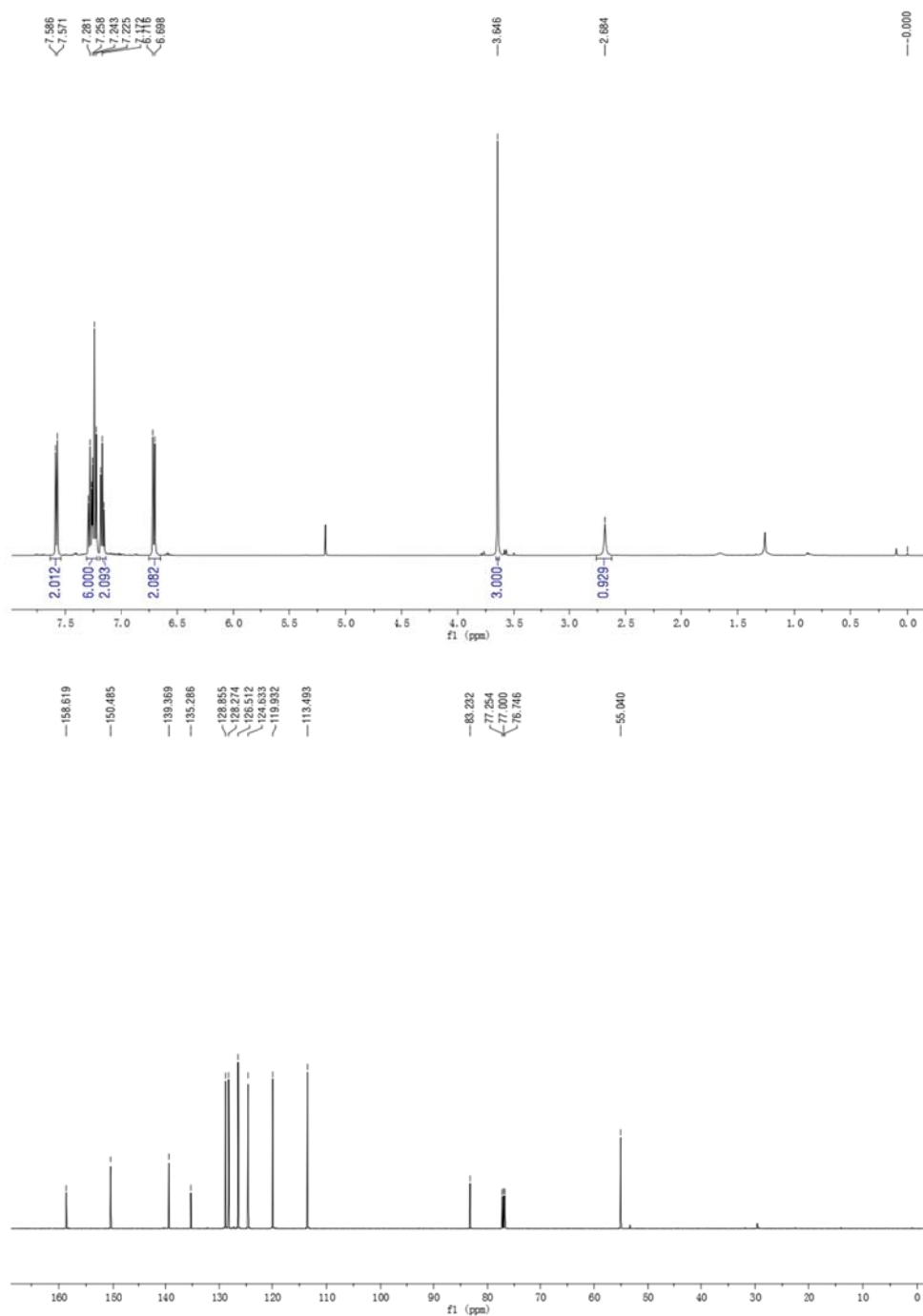
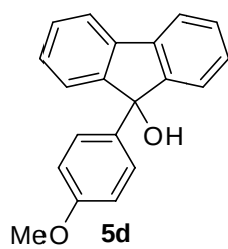
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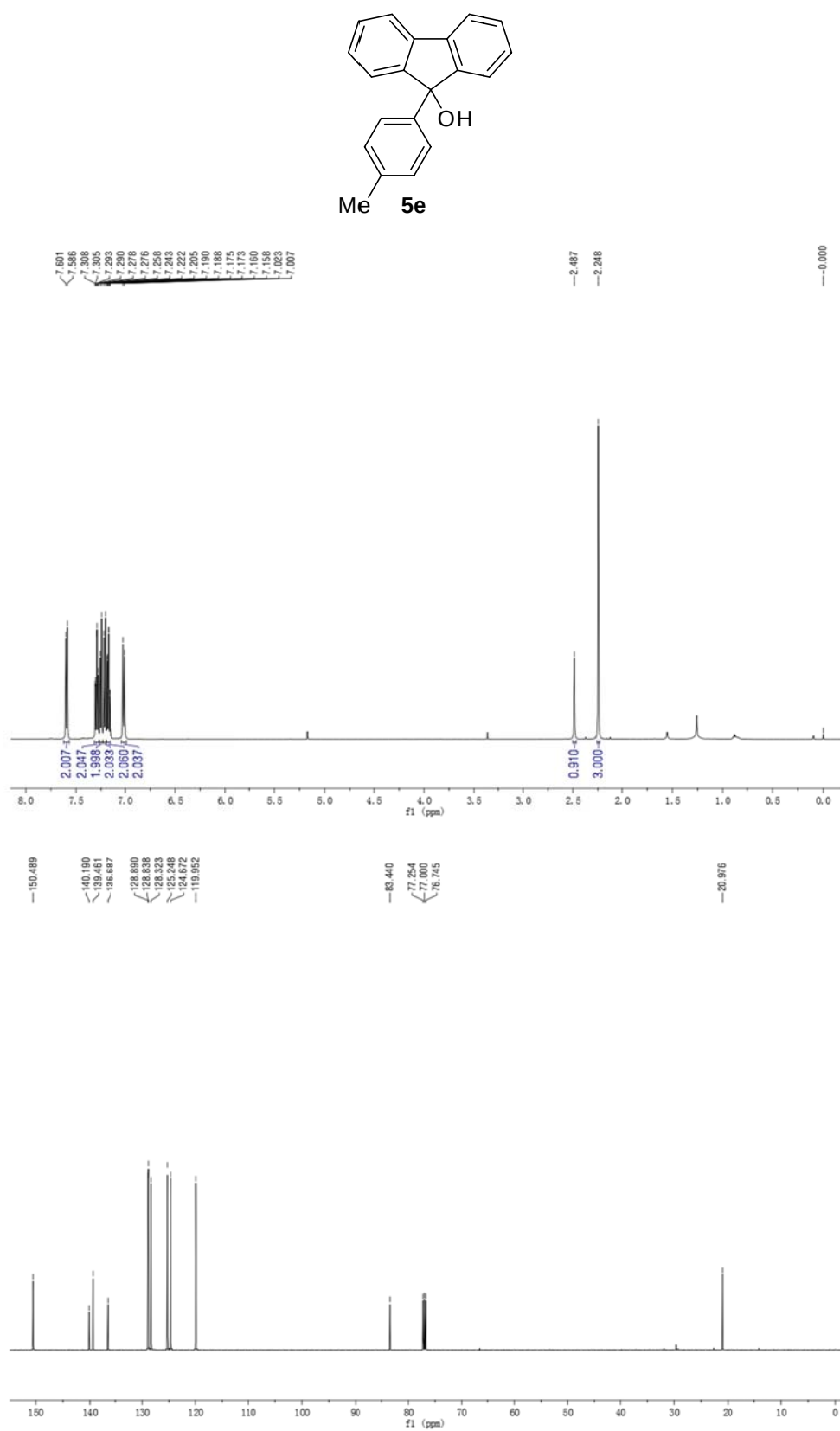


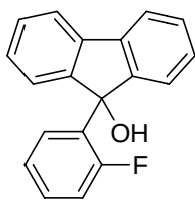


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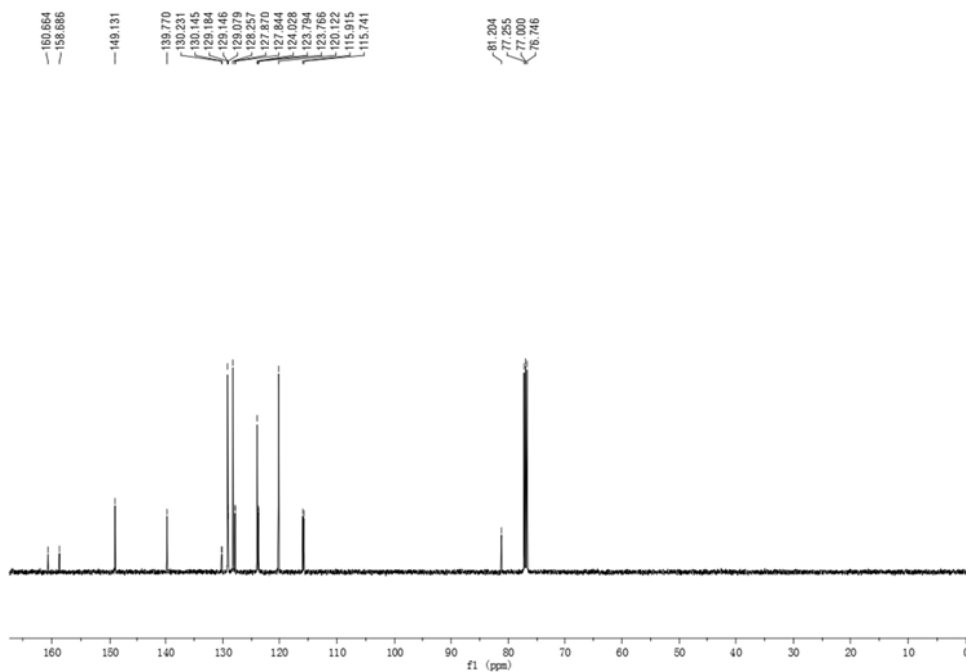
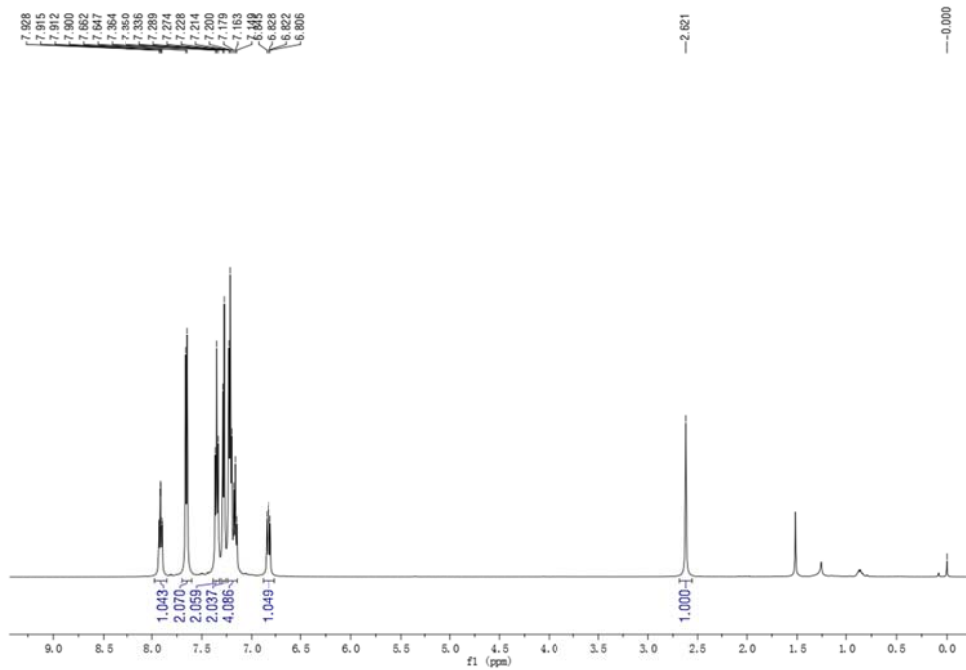


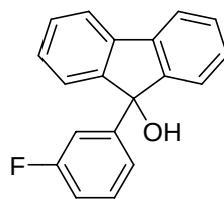




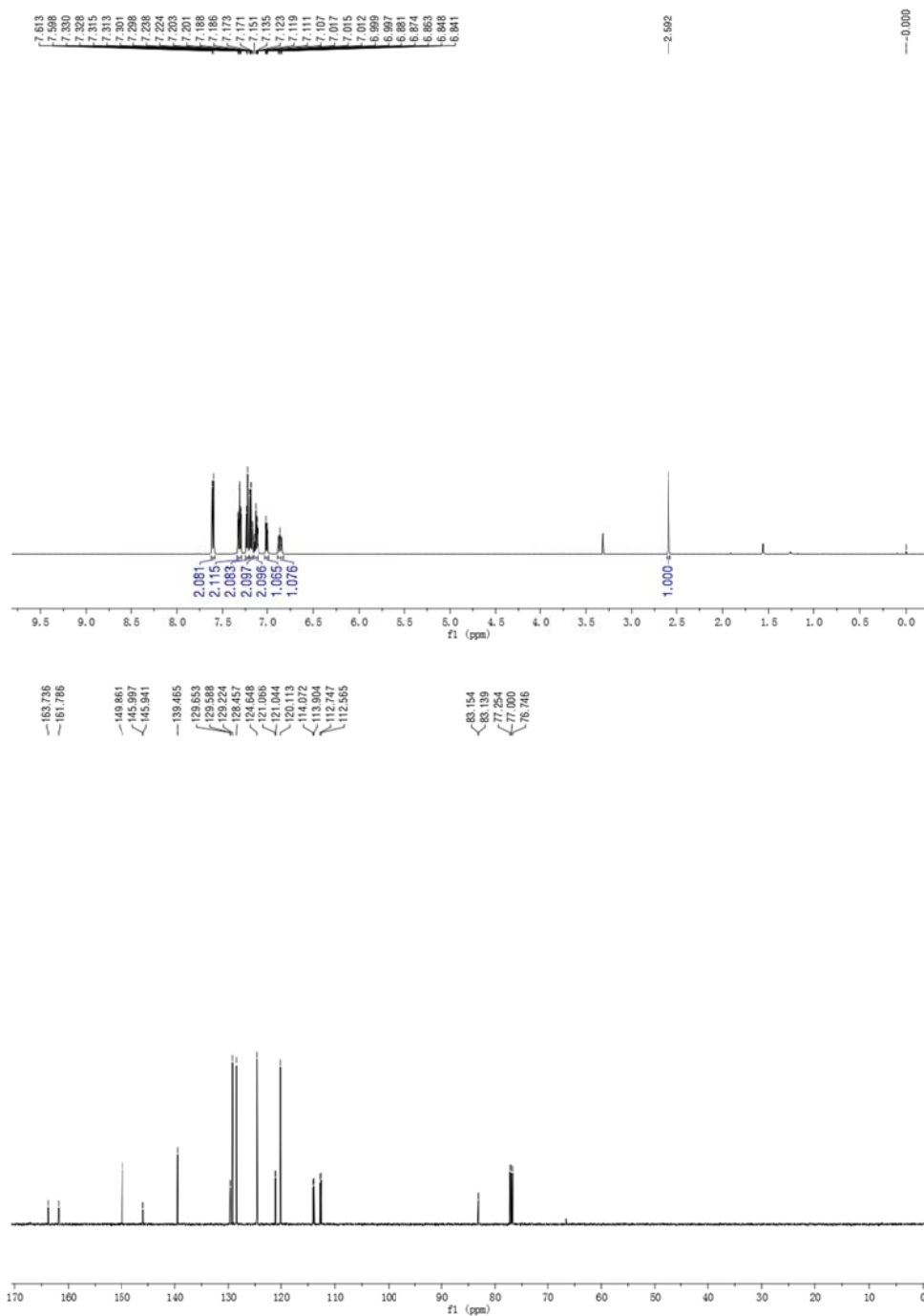


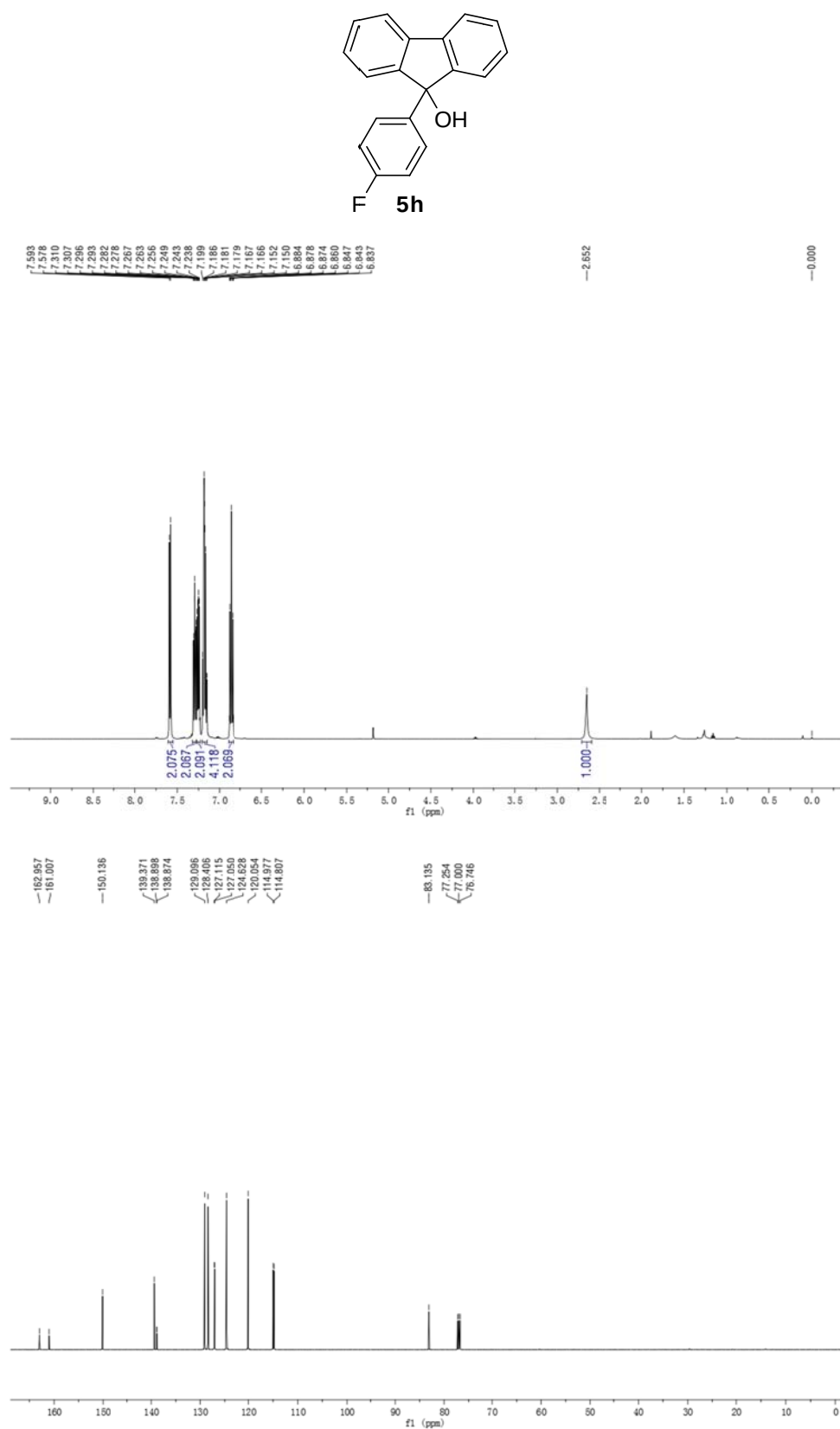
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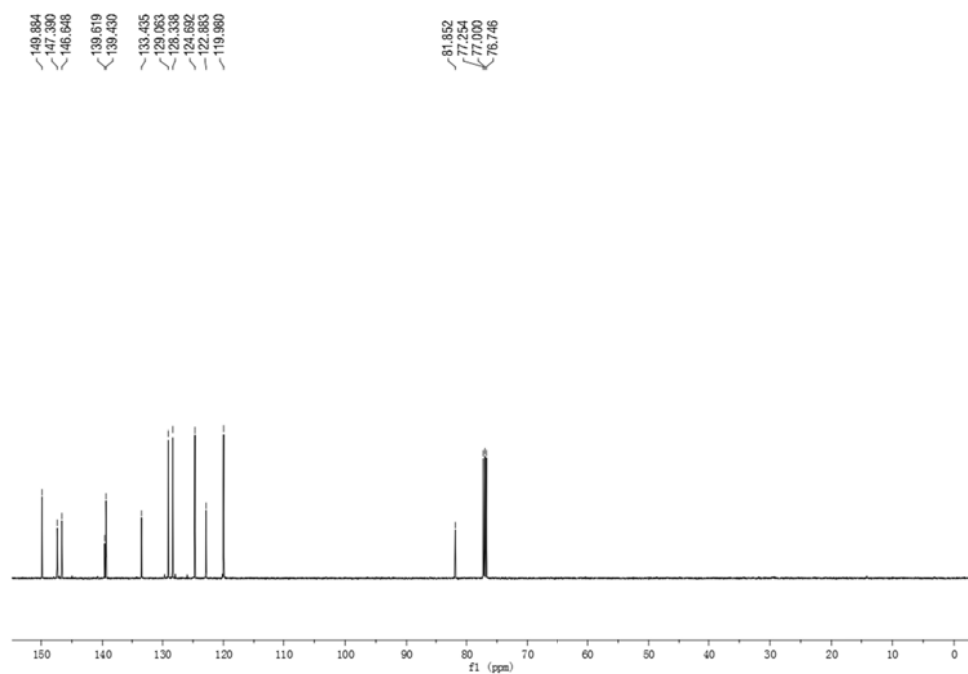
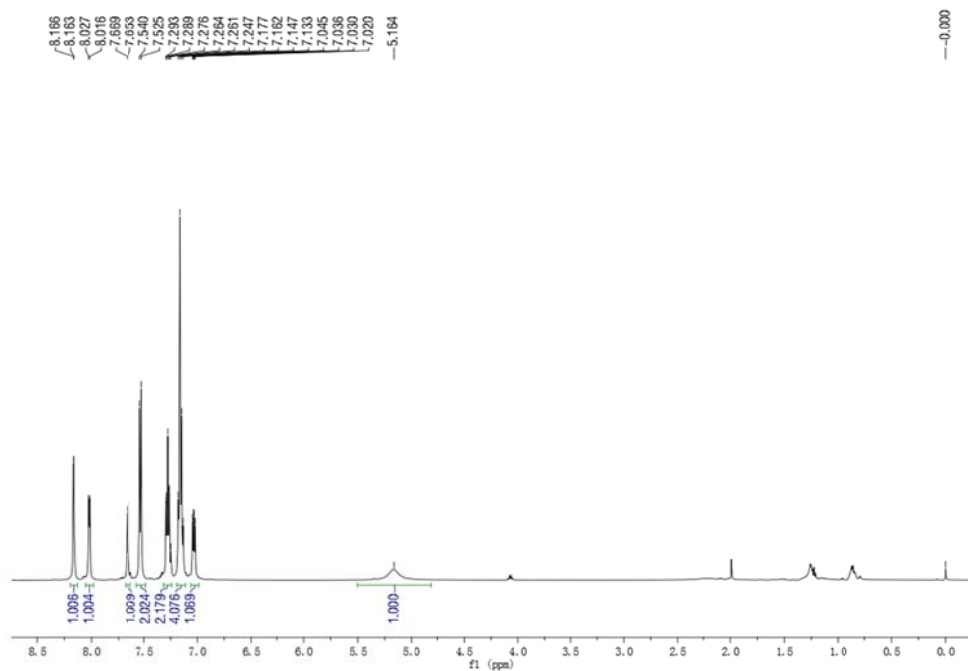
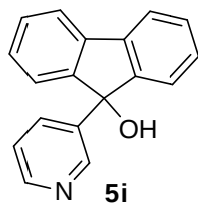


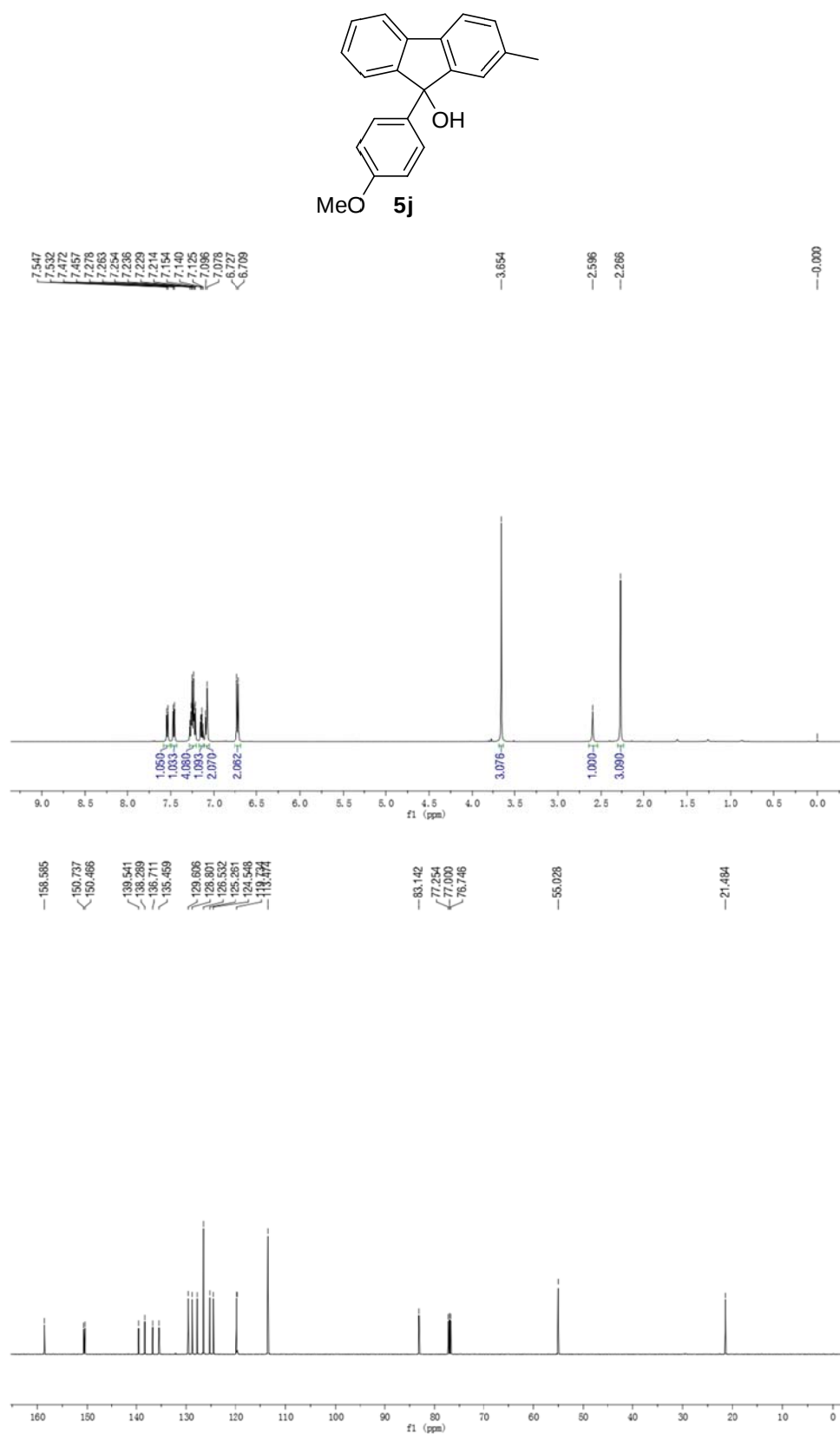


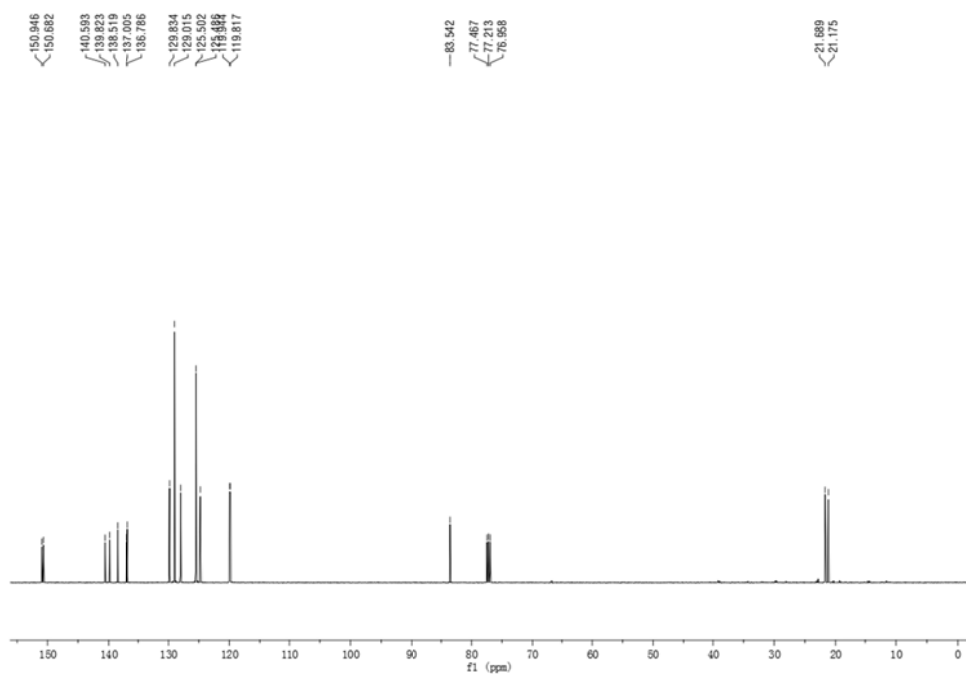
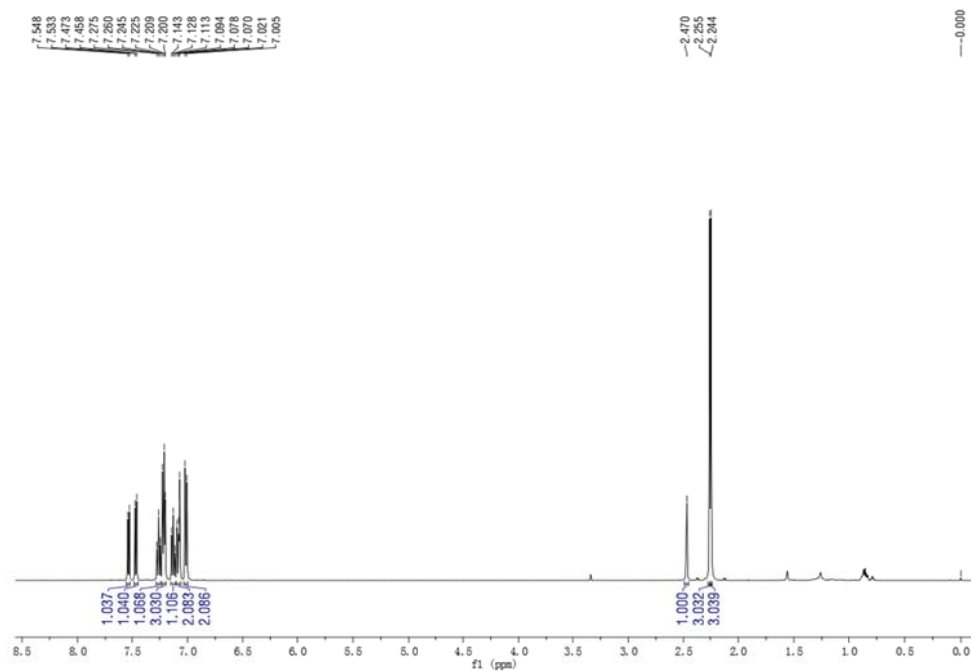
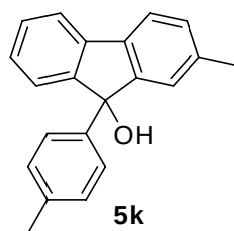
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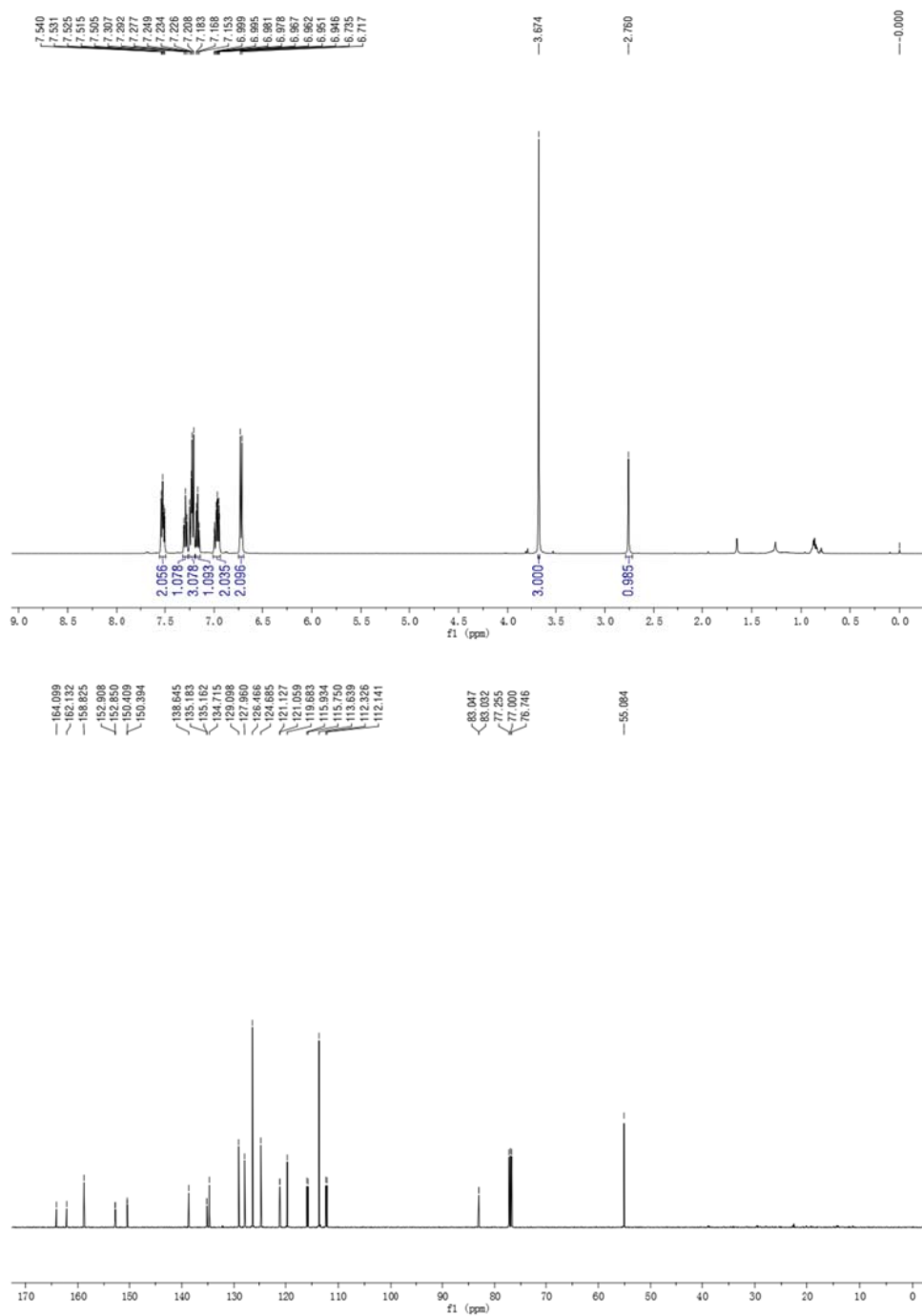
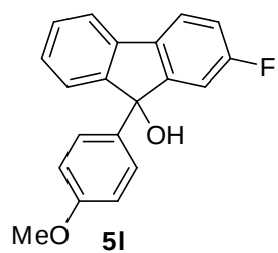


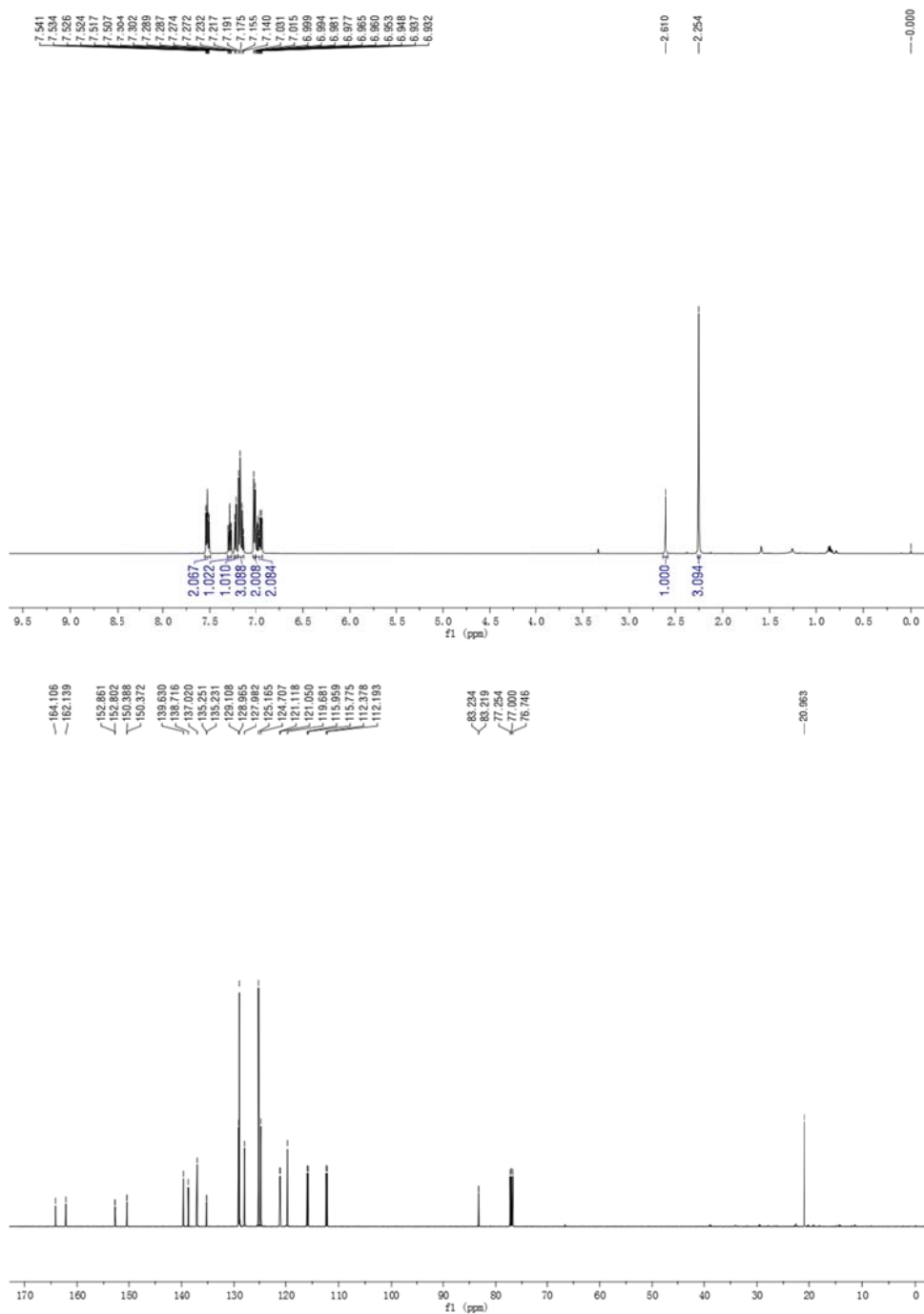
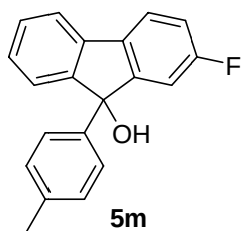


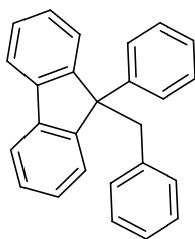




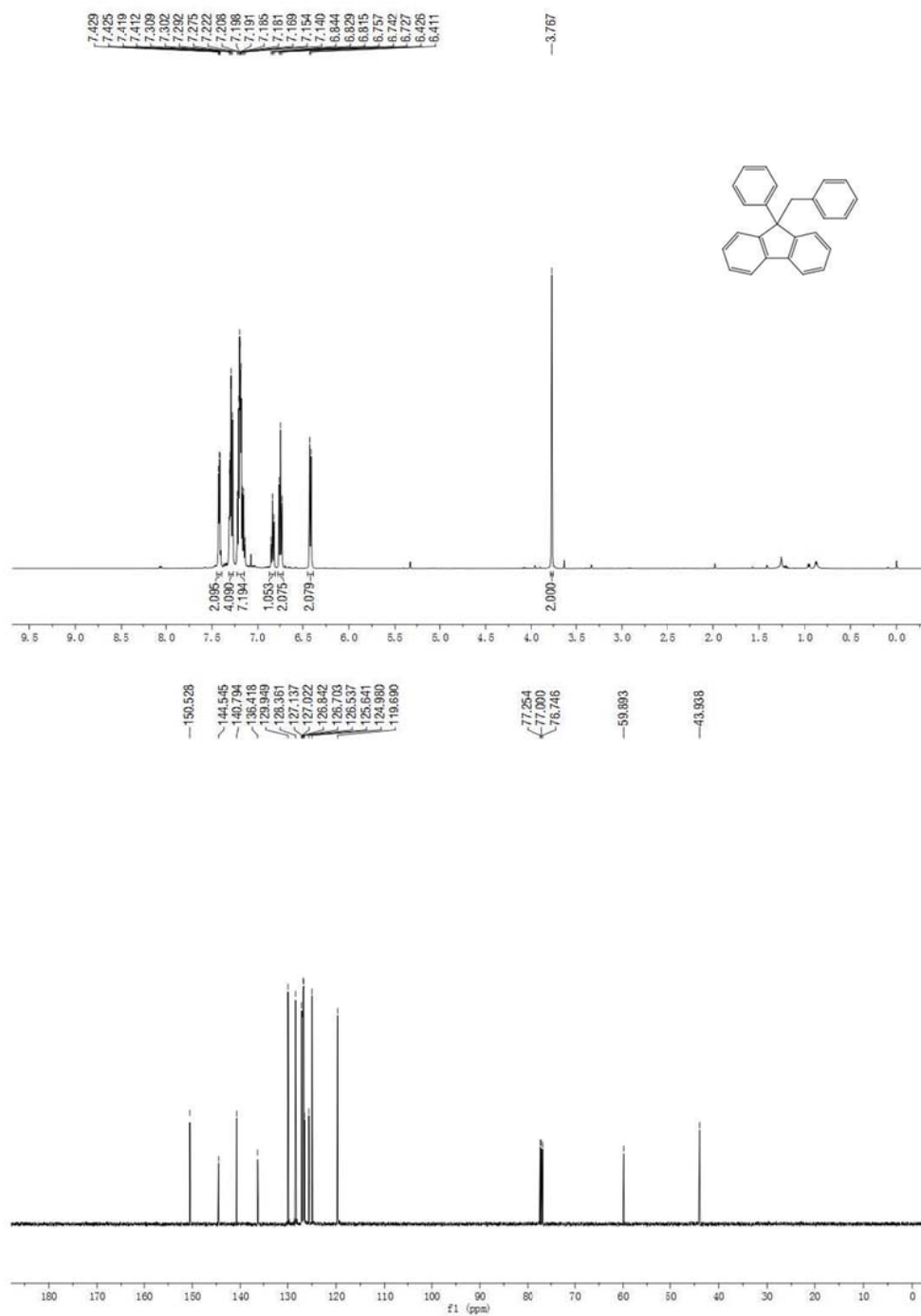


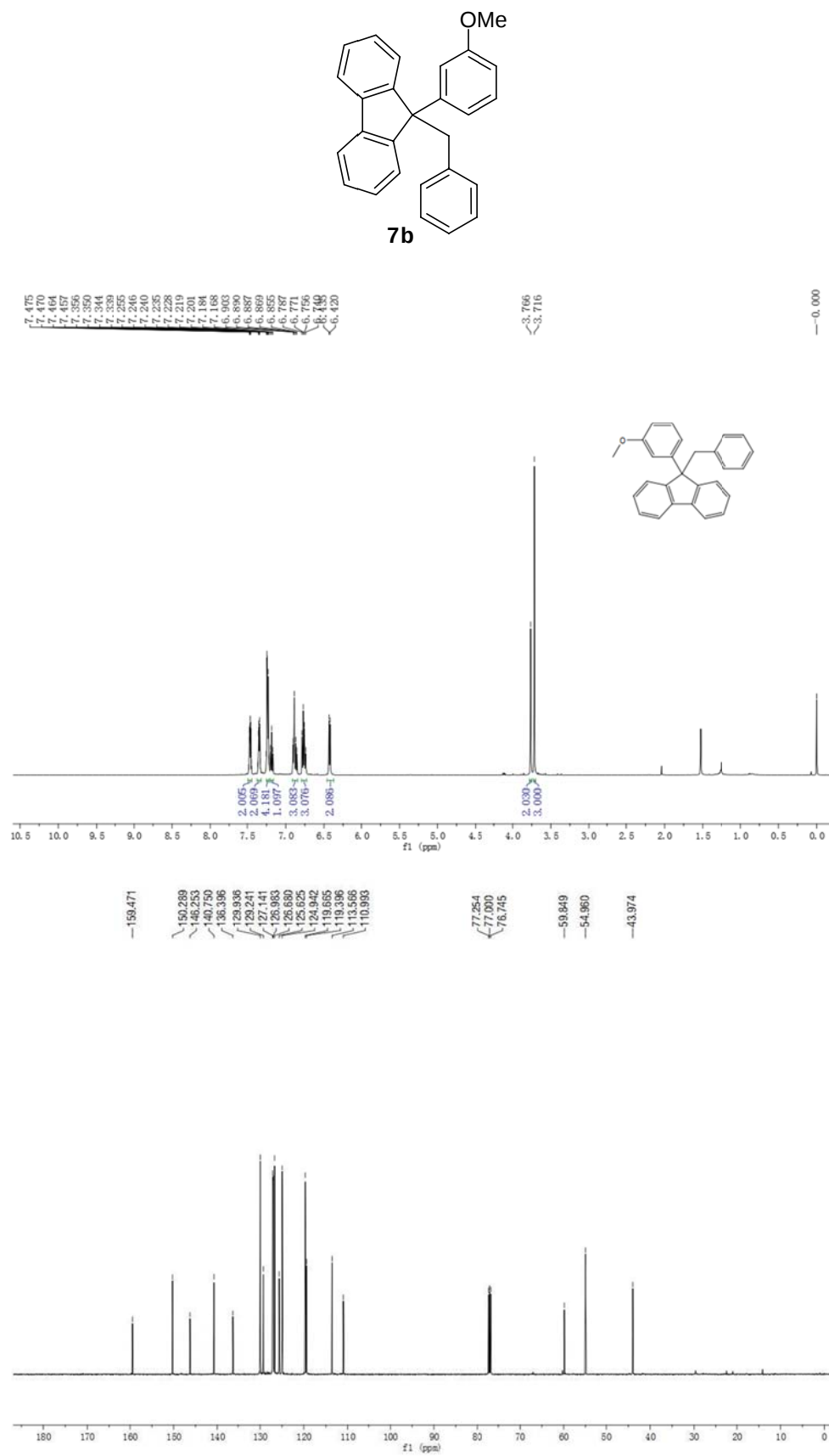


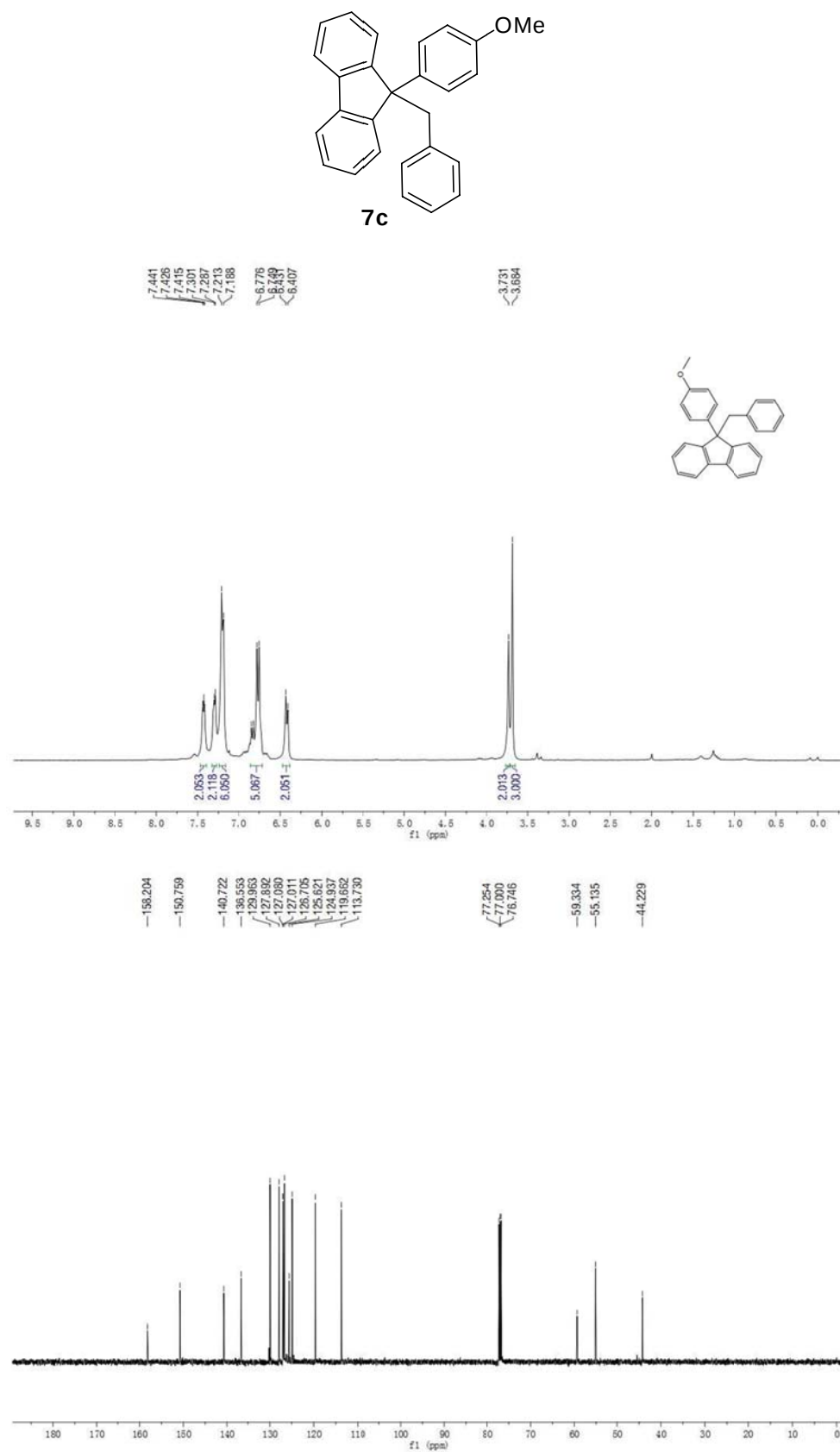


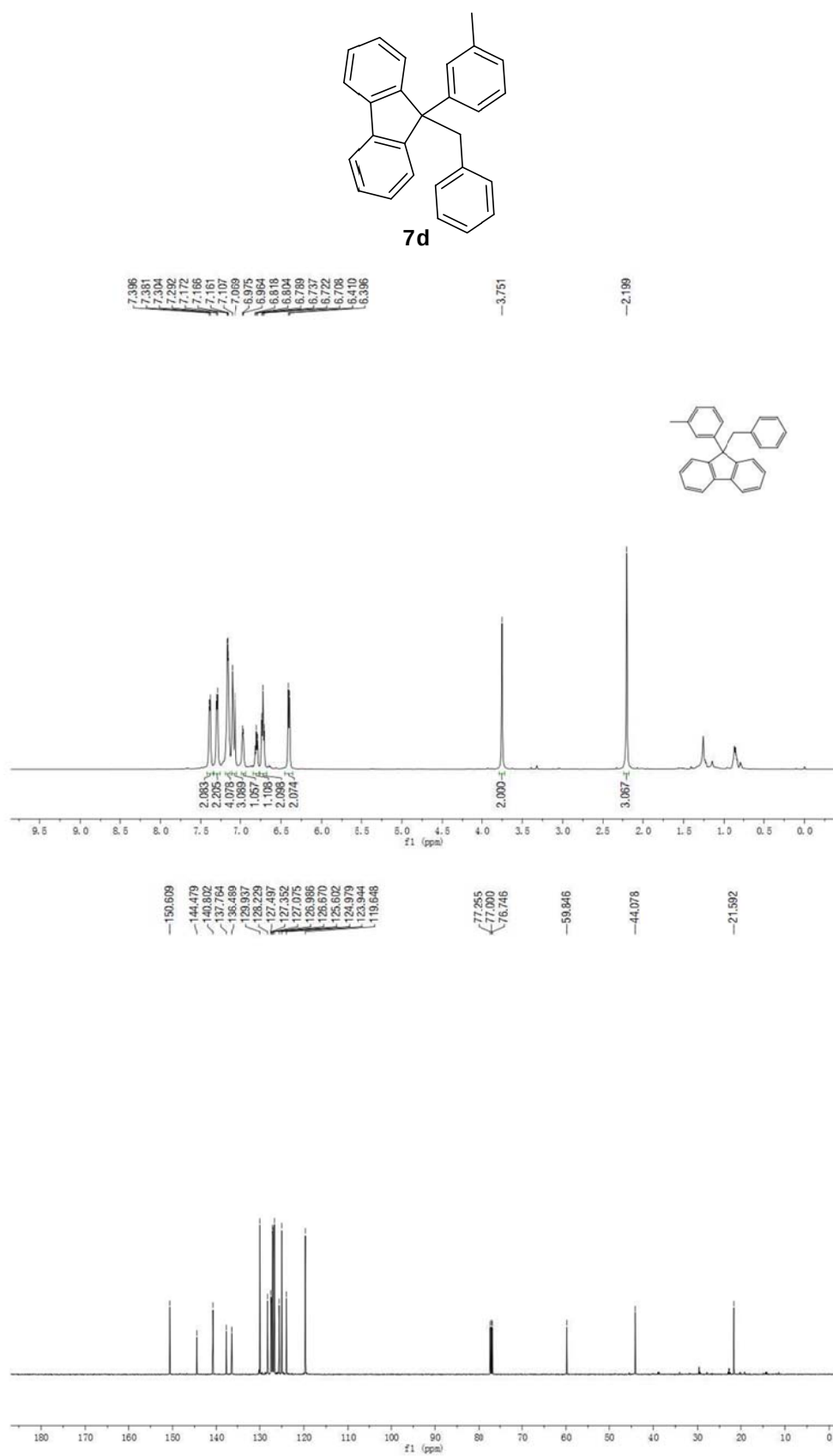


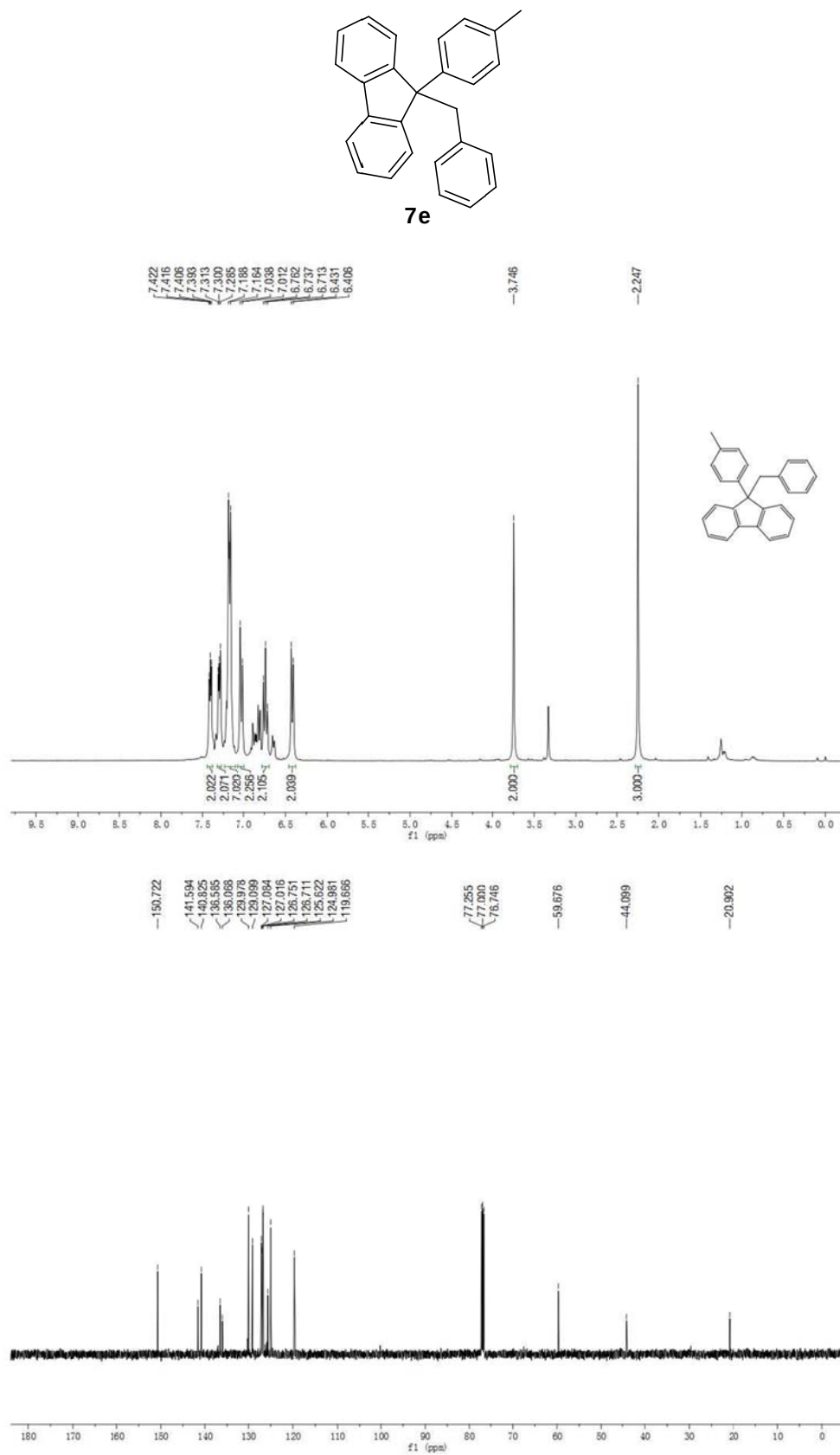
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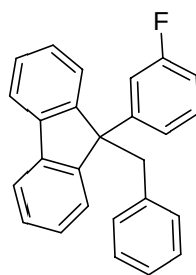




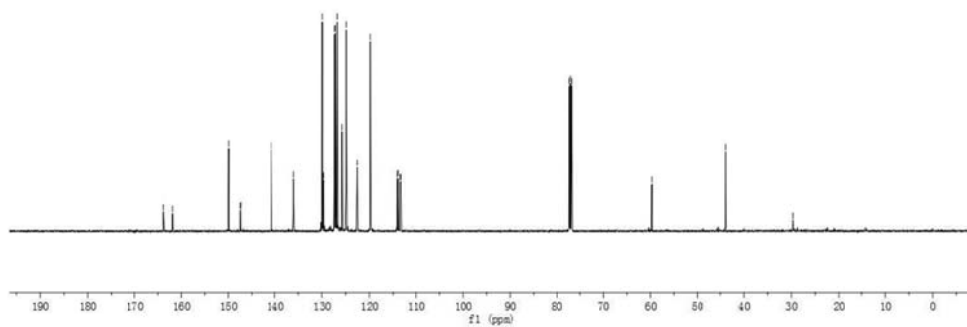
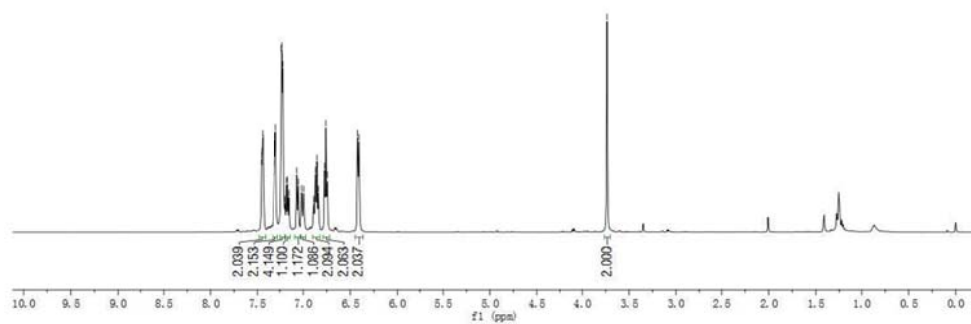


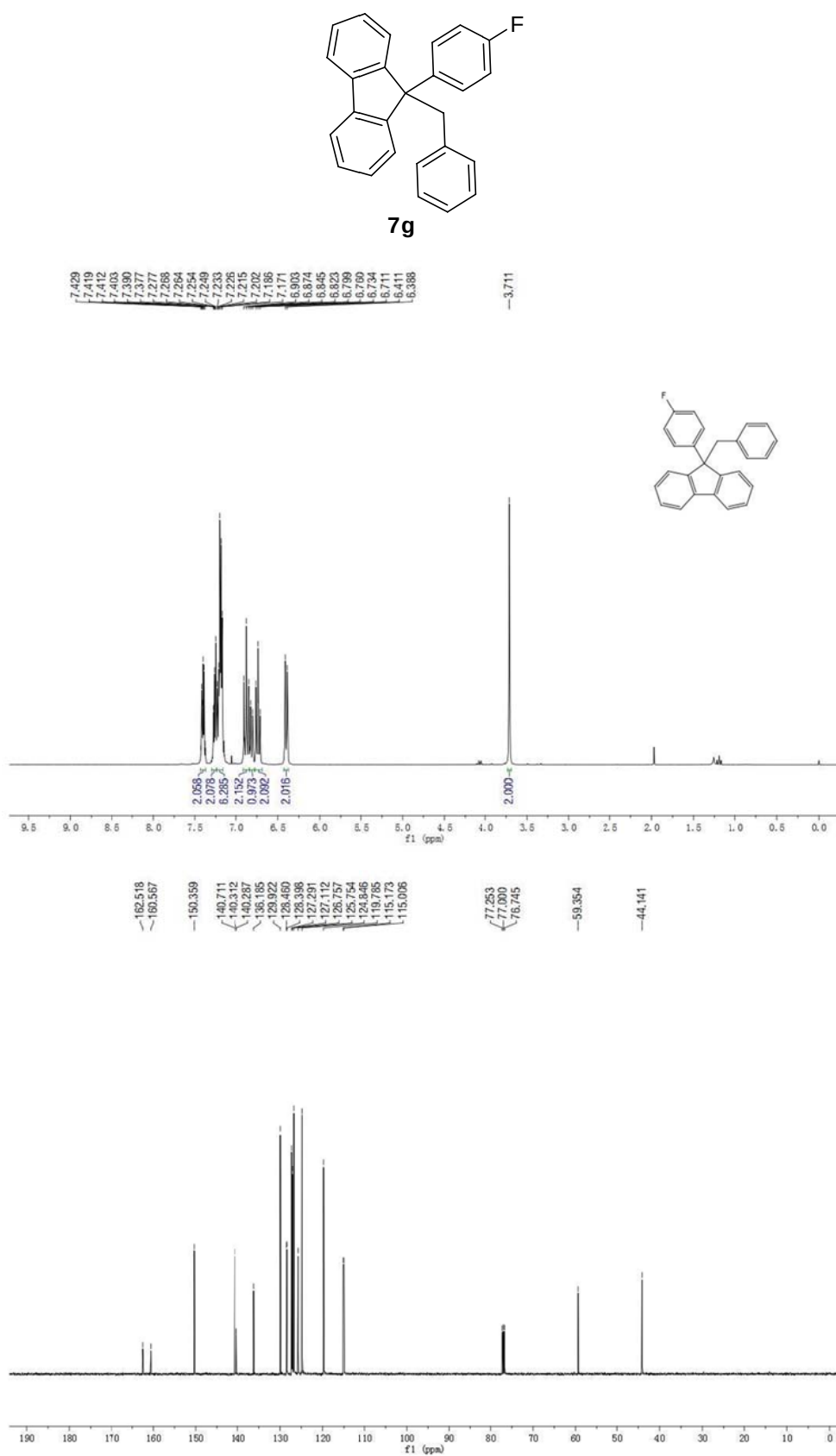


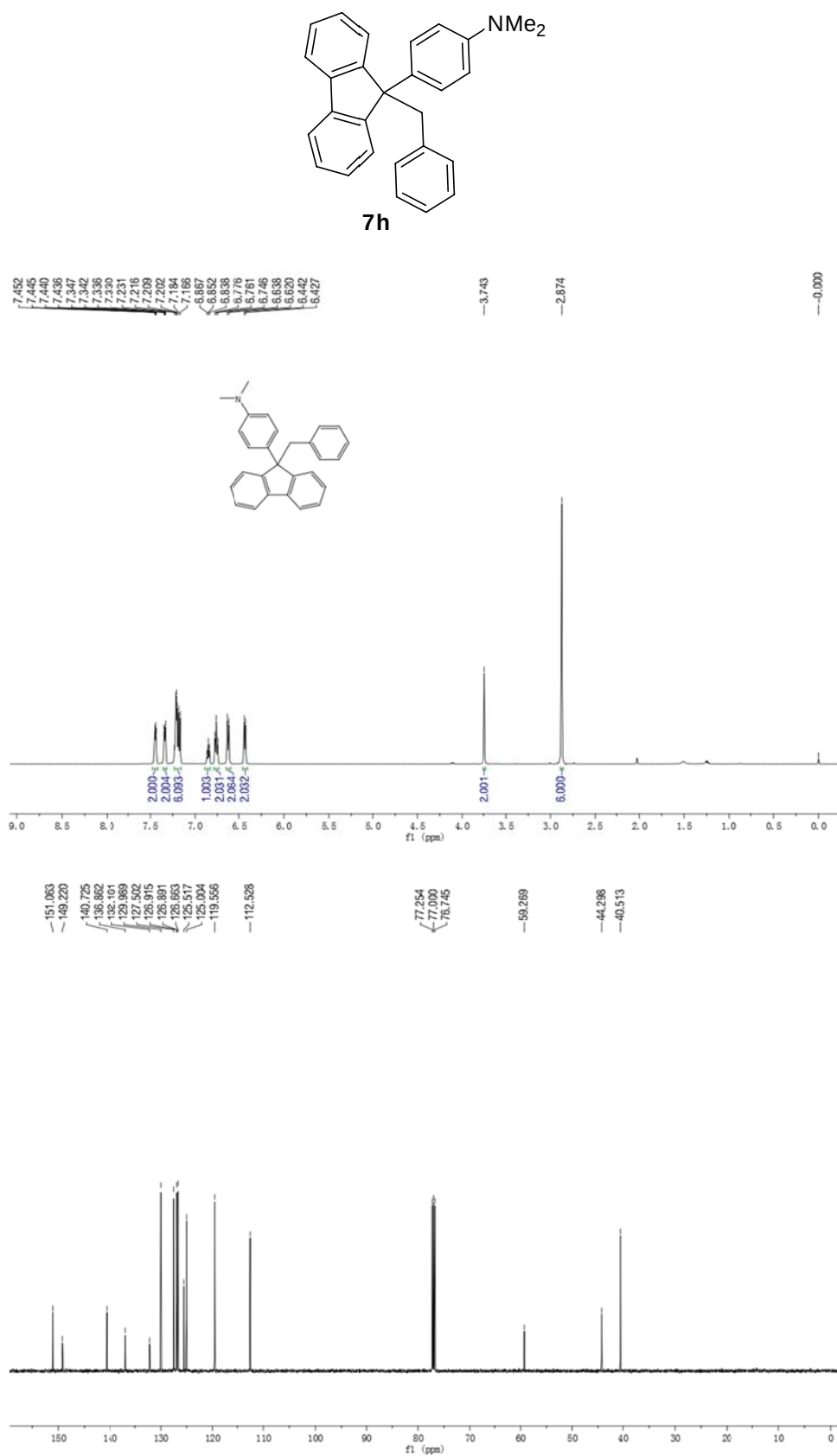


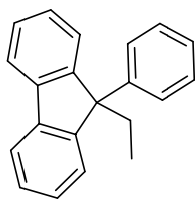


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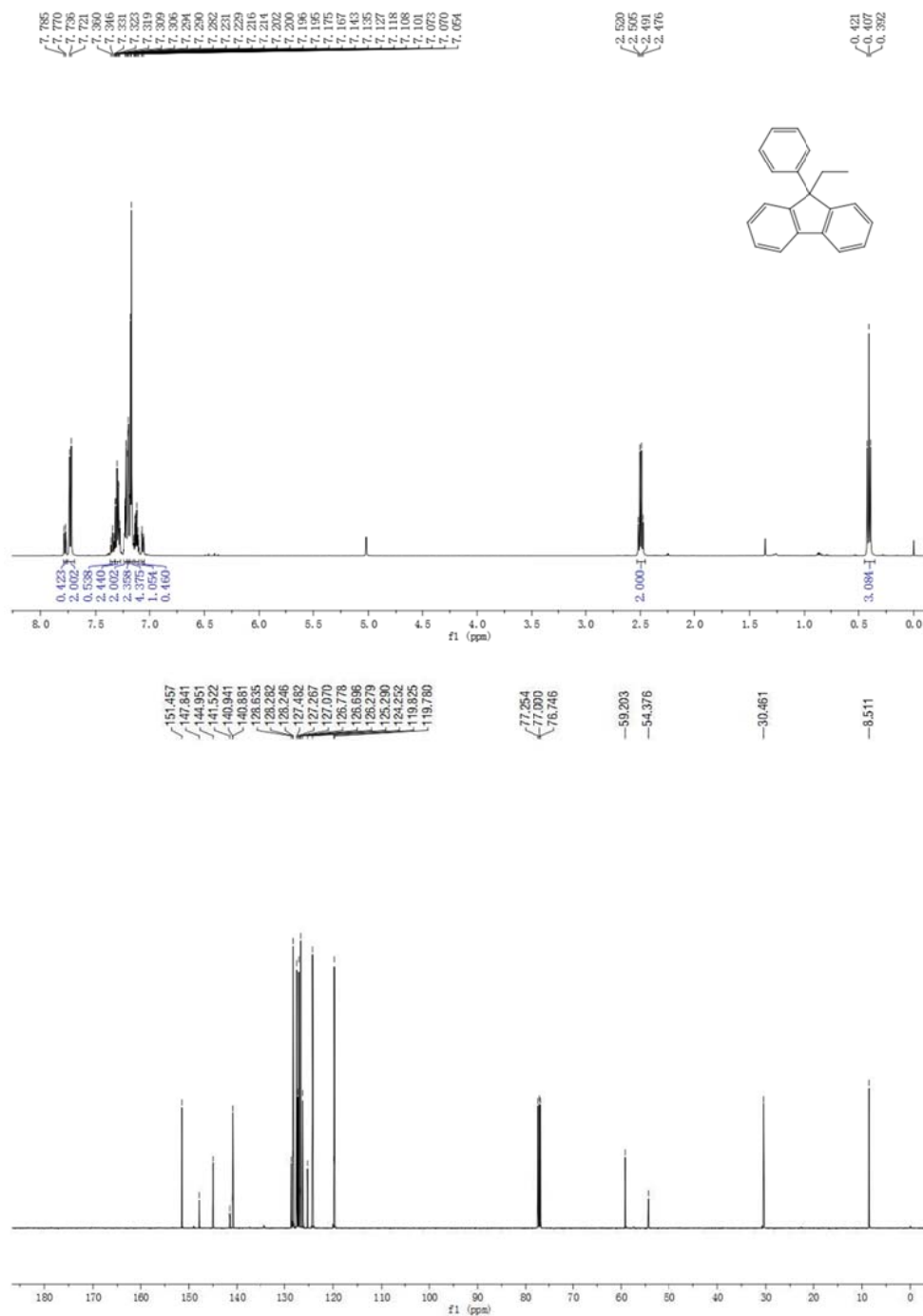


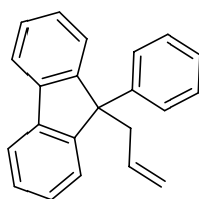




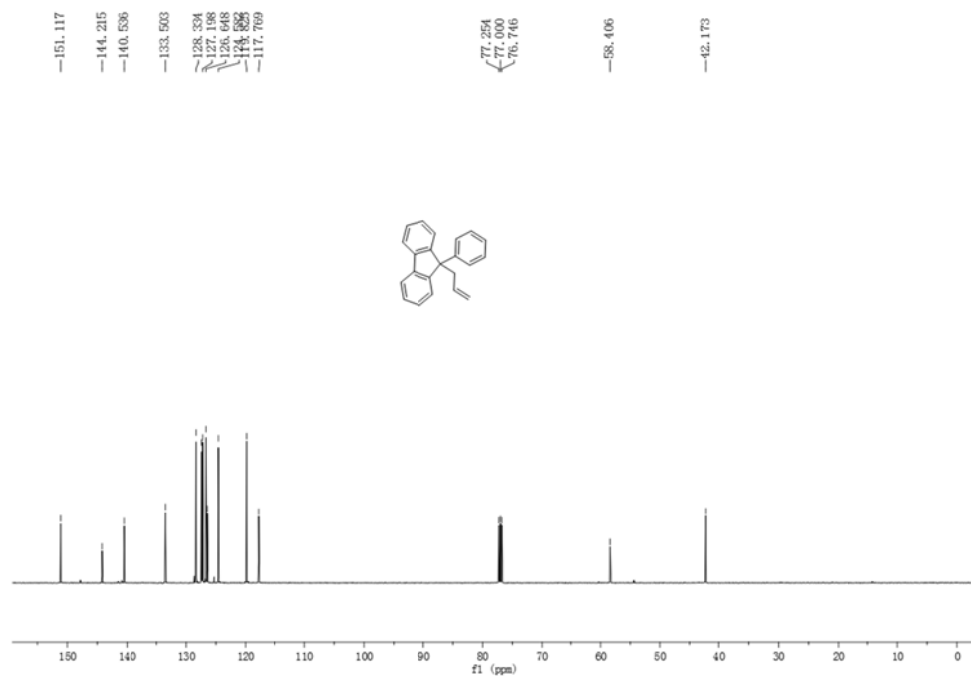
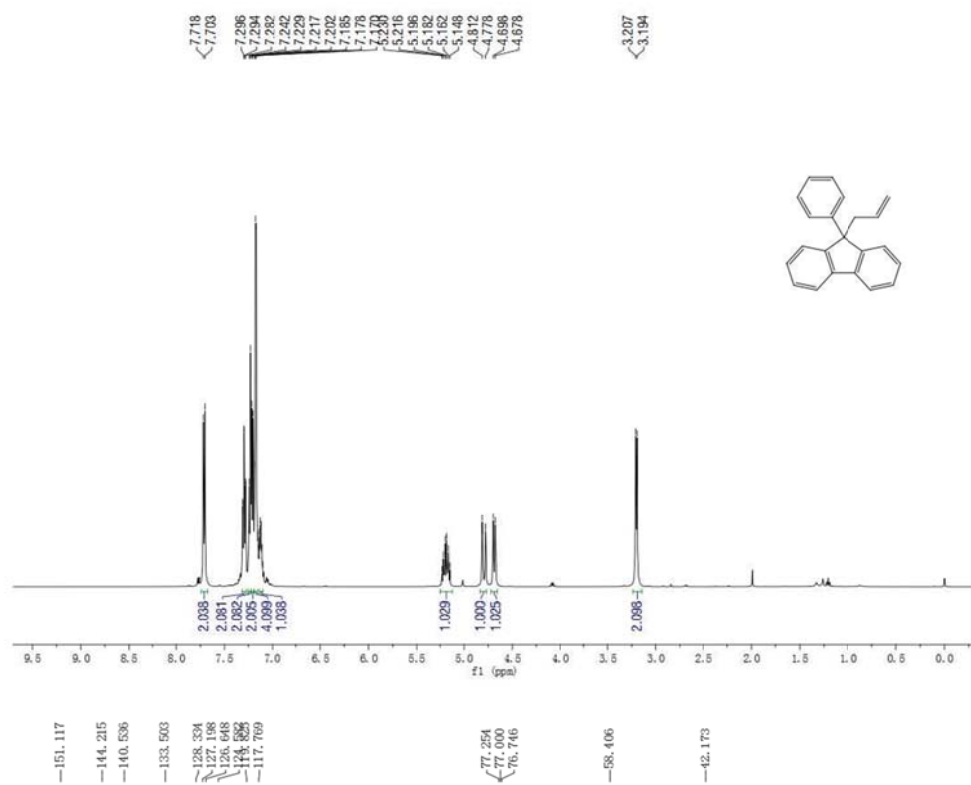


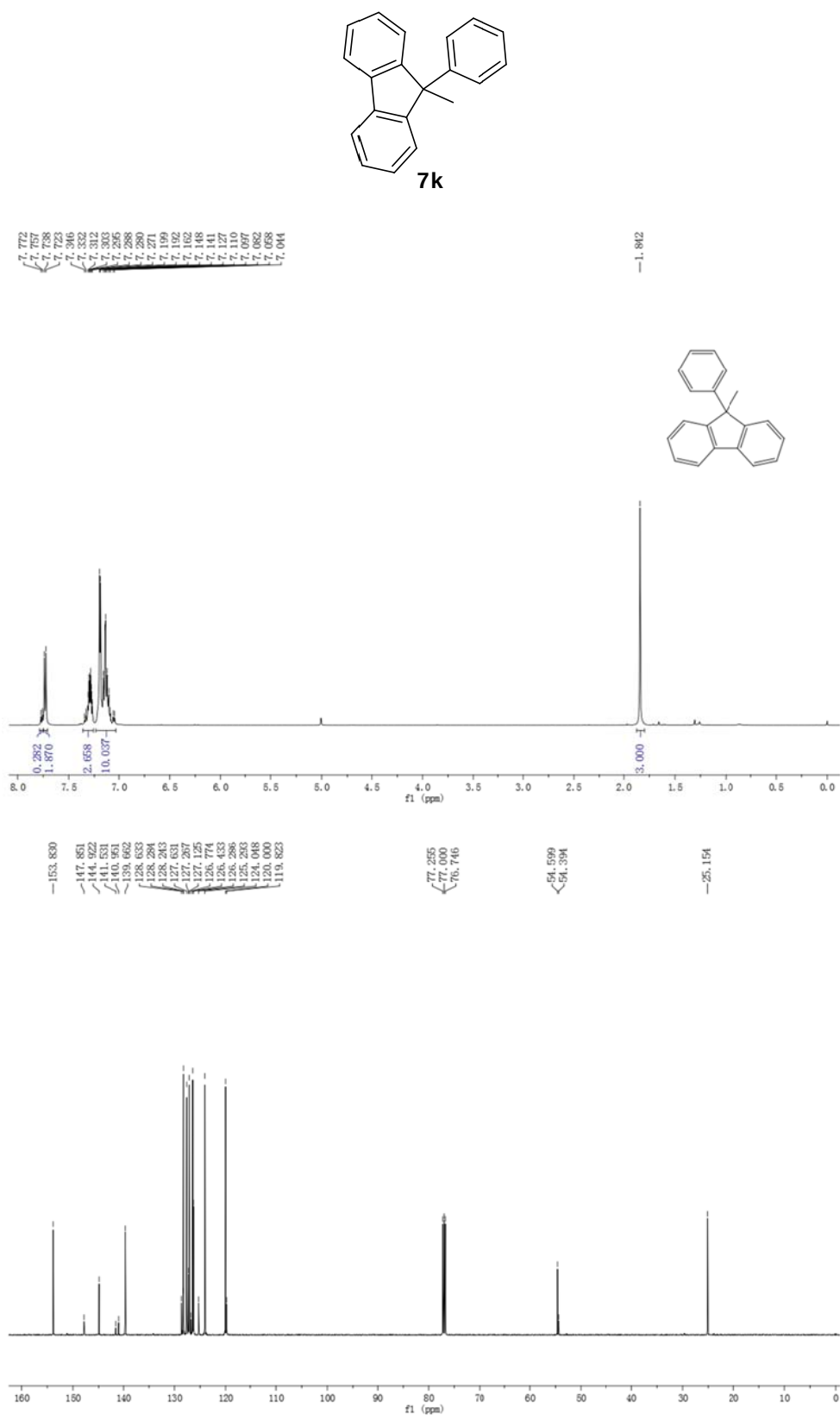
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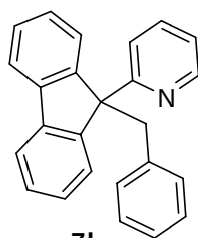




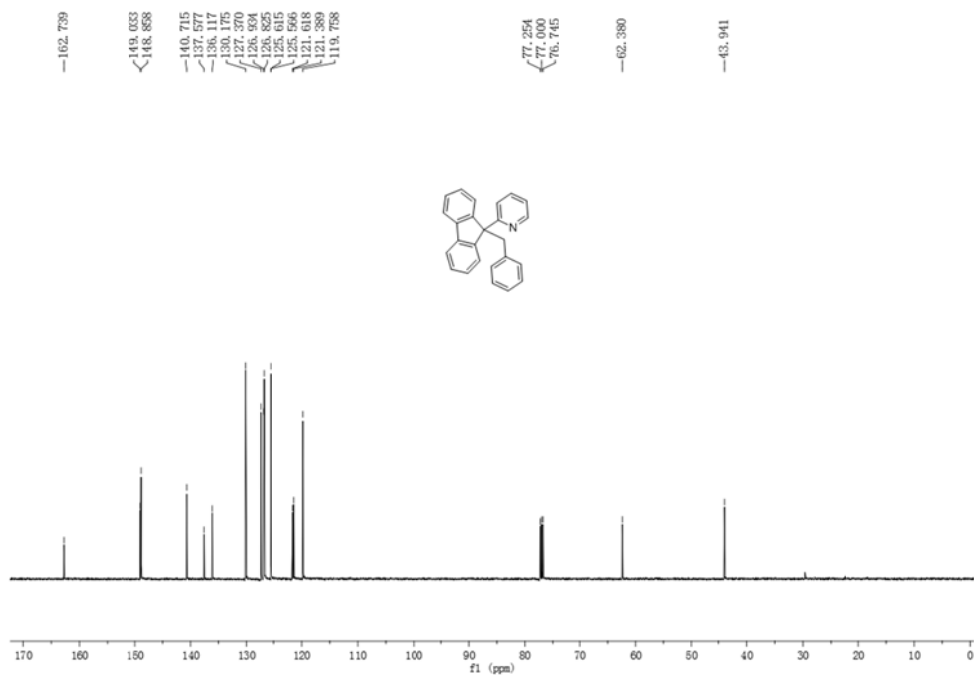
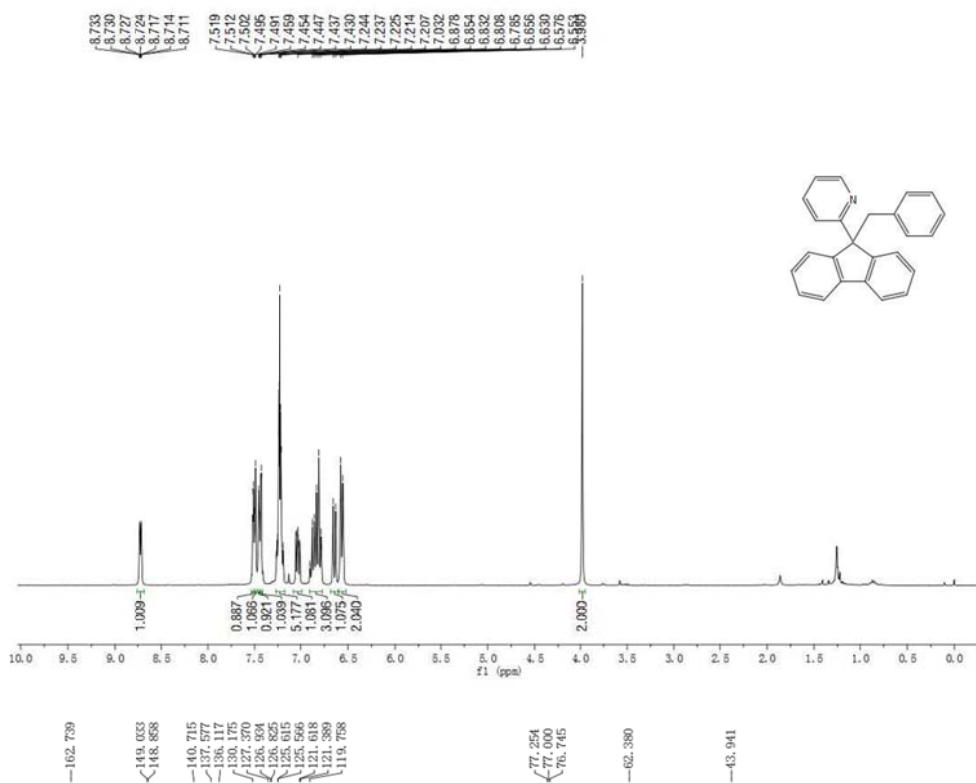
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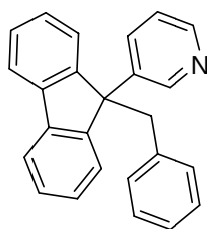






71





7m

