

Supporting Information

Zirconium Complexes Stabilized by Amine-Bridged Bis(phenolato) Ligands as Precatalysts for Intermolecular Hydroamination Reactions

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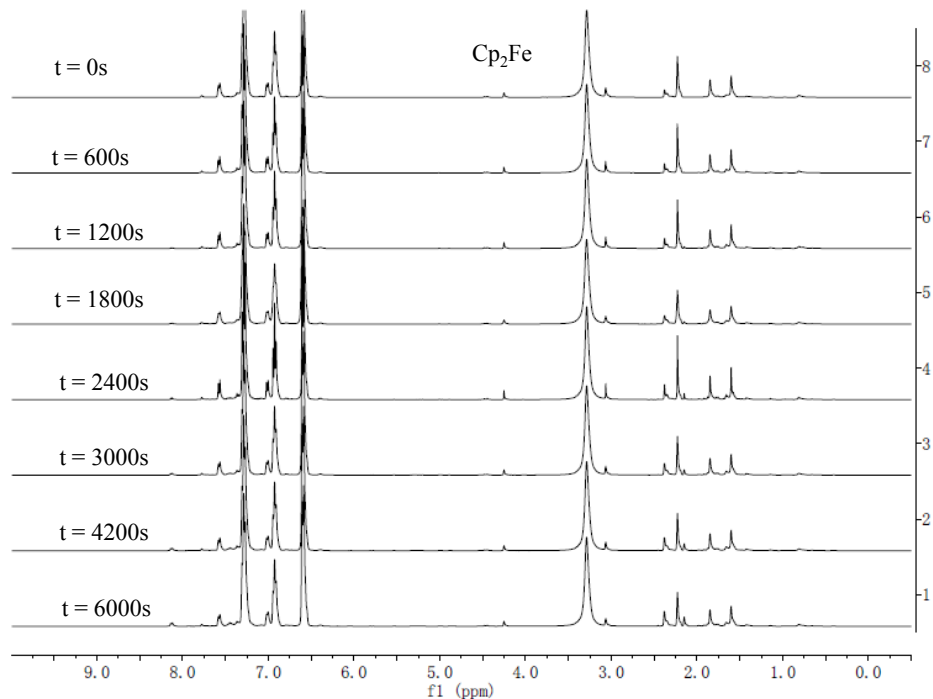
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^1H NMR spectra monitoring for kinetic investigations of the reaction

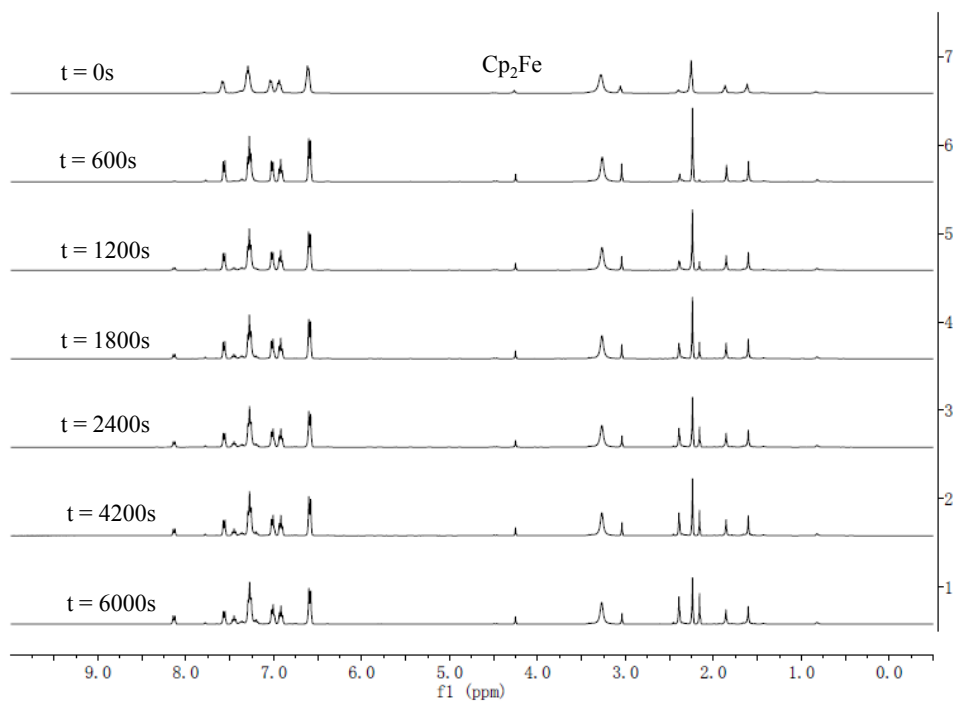
^1H NMR, 400 MHz, C_7D_8 , ferrocene as internal standard

Substrate: $[\mathbf{8e}]_0 = 0.3636 \text{ mol}\cdot\text{L}^{-1}$ $[\mathbf{9a}]_0 = 3.6363 \text{ mol}\cdot\text{L}^{-1}$; 10 mol % of complex **5**;
110 °C



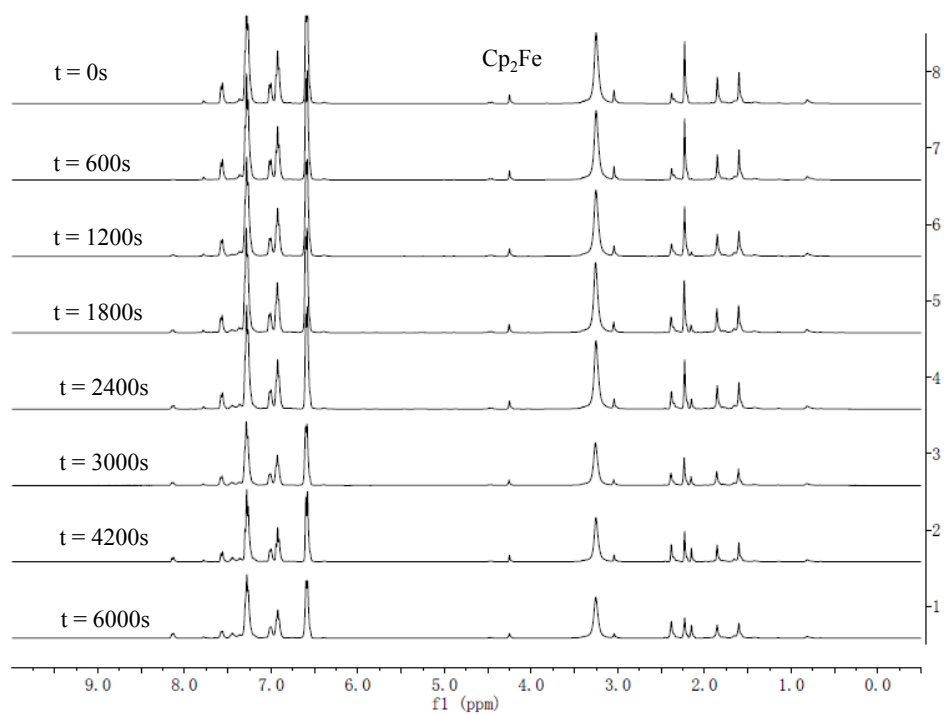
^1H NMR, 400 MHz, C_7D_8 , ferrocene as internal standard

Substrate: $[\mathbf{8e}]_0 = 0.3636 \text{ mol}\cdot\text{L}^{-1}$ $[\mathbf{9a}]_0 = 0.7272 \text{ mol}\cdot\text{L}^{-1}$; 10 mol % of complex **5**;
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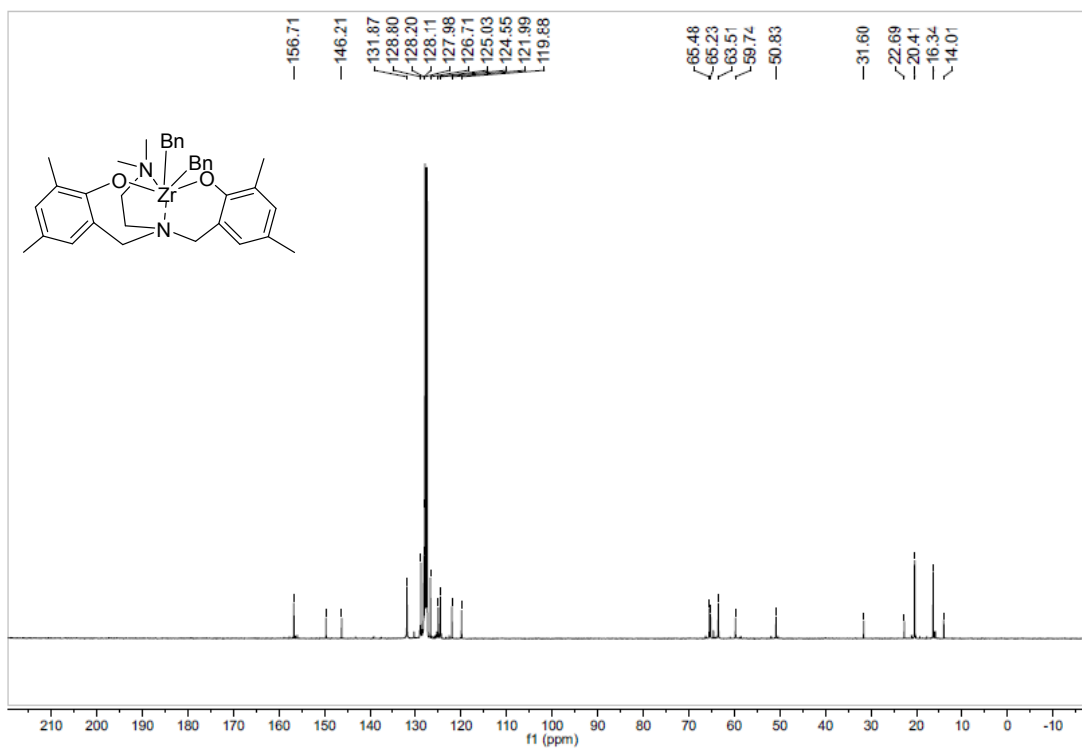
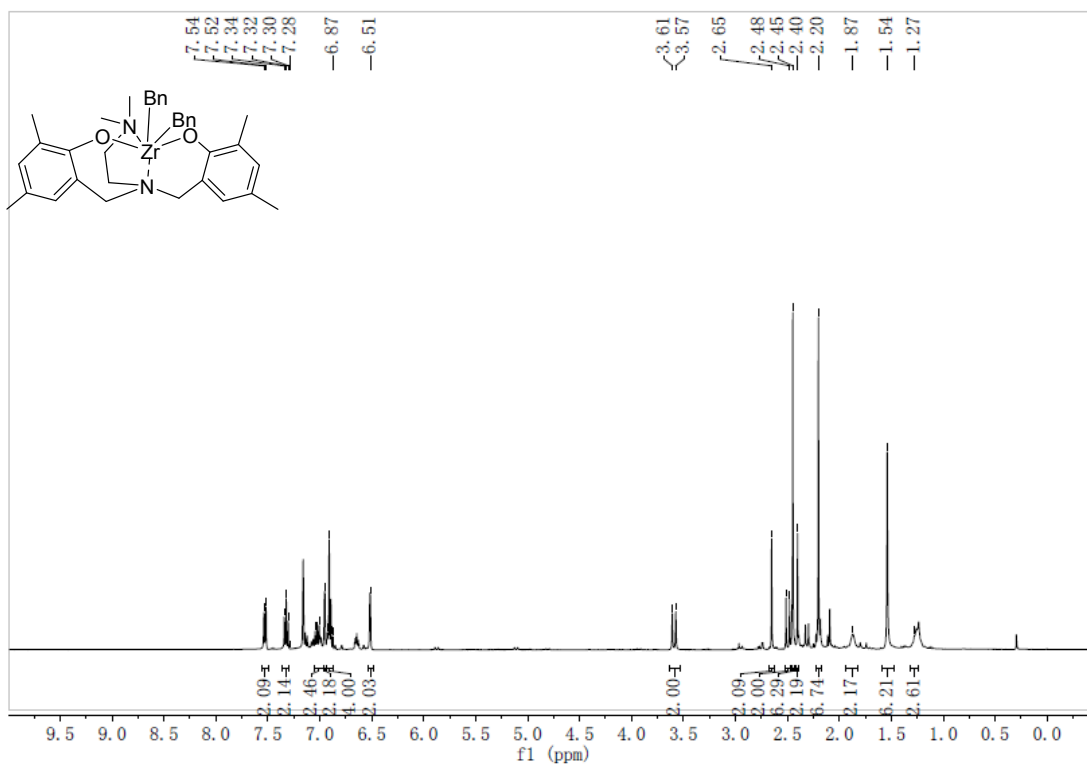
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Substrate: $[\mathbf{8e}]_0 = 0.3636 \text{ mol}\cdot\text{L}^{-1}$ $[\mathbf{9a}]_0 = 1.8187 \text{ mol}\cdot\text{L}^{-1}$; 10 mol % of complex **5**;
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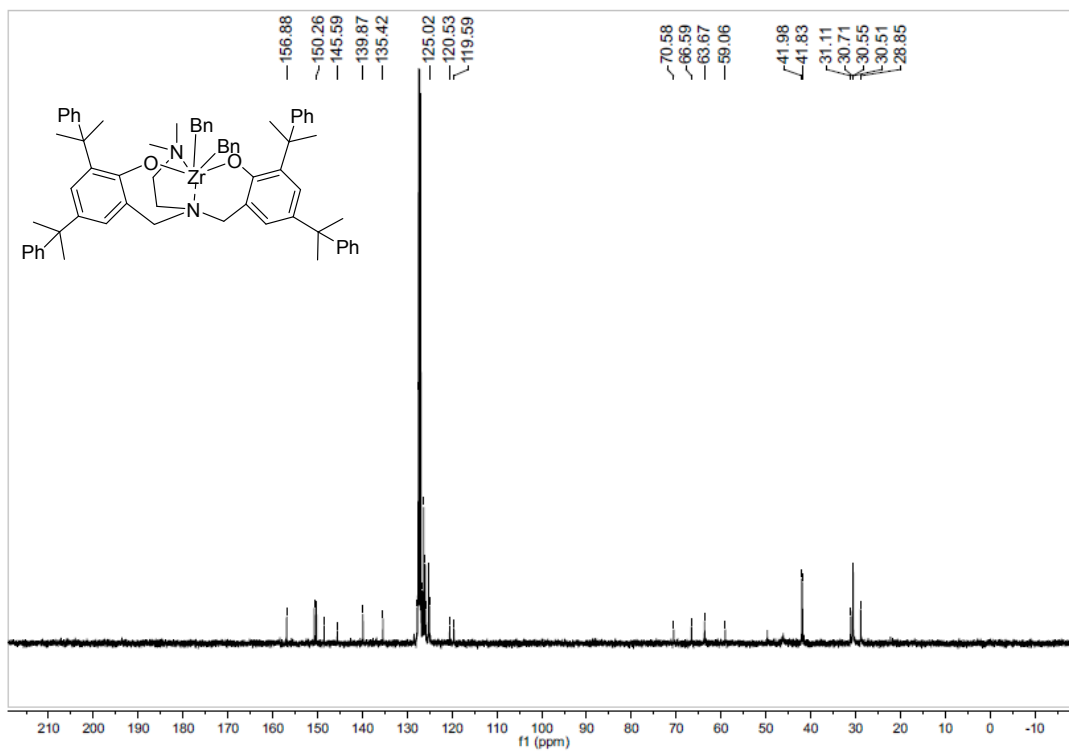
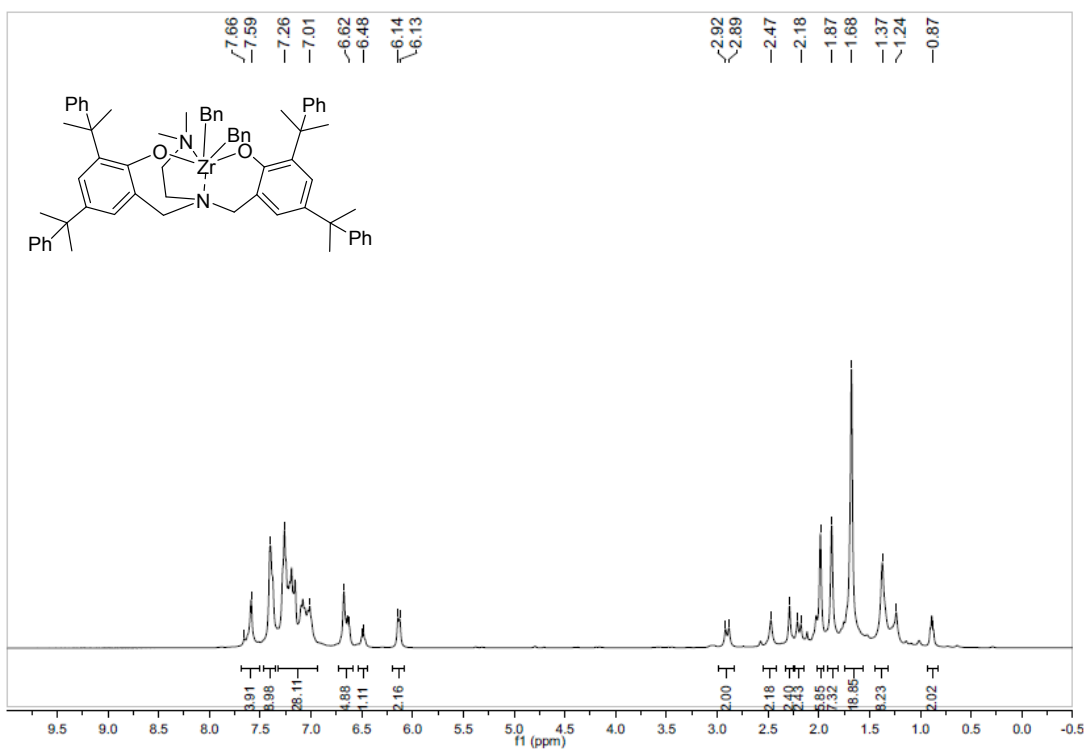


^1H NMR and ^{13}C NMR spectra for complexes and hydroamination products

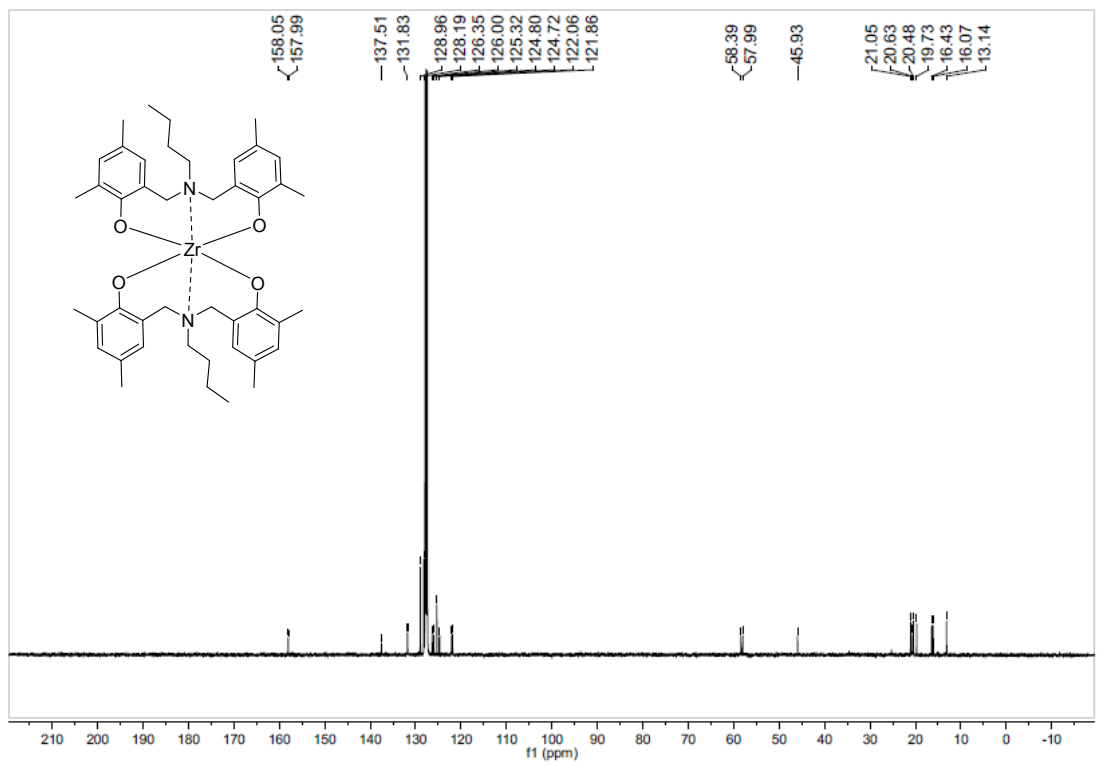
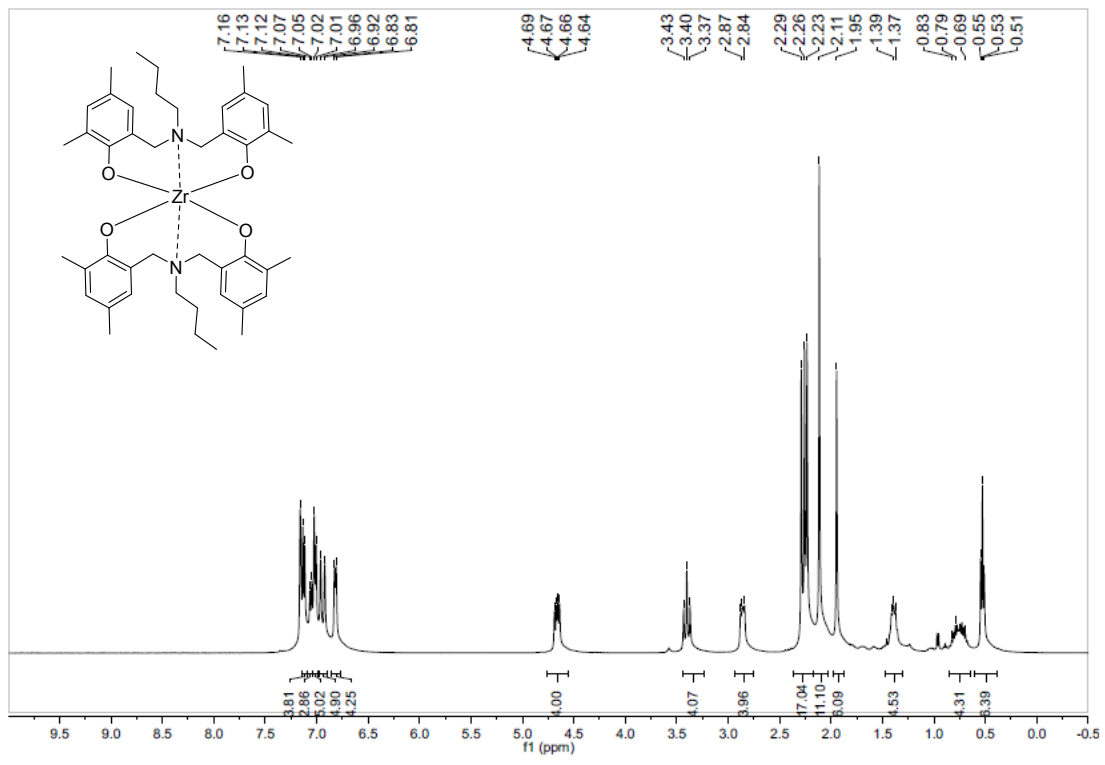
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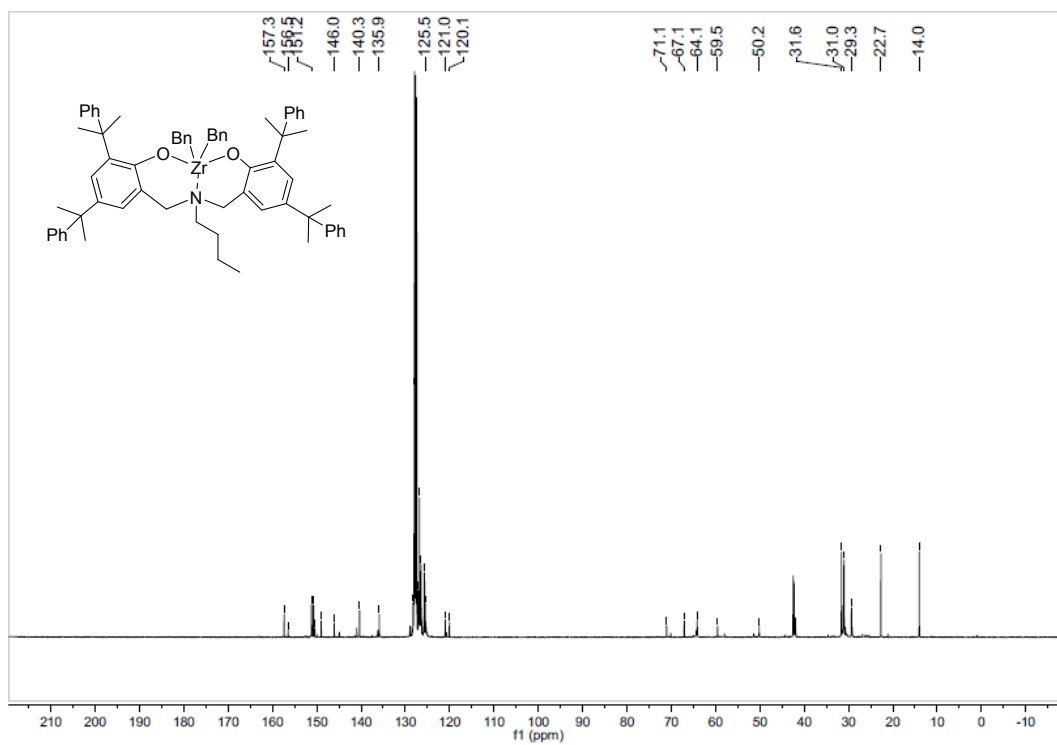
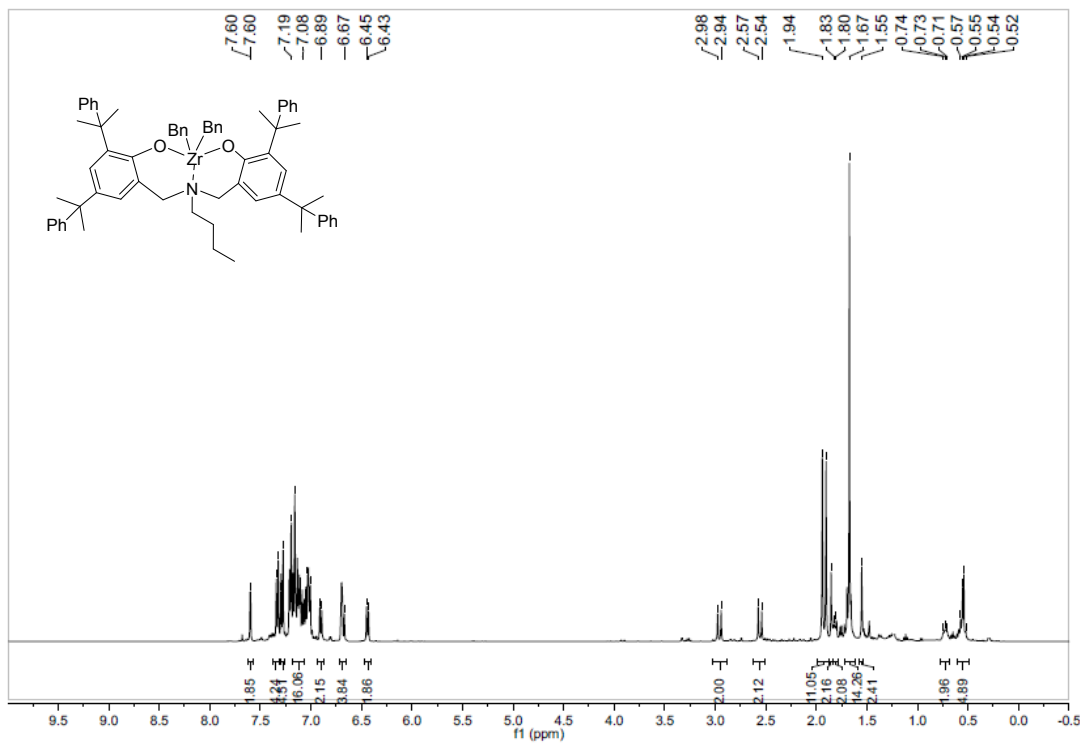
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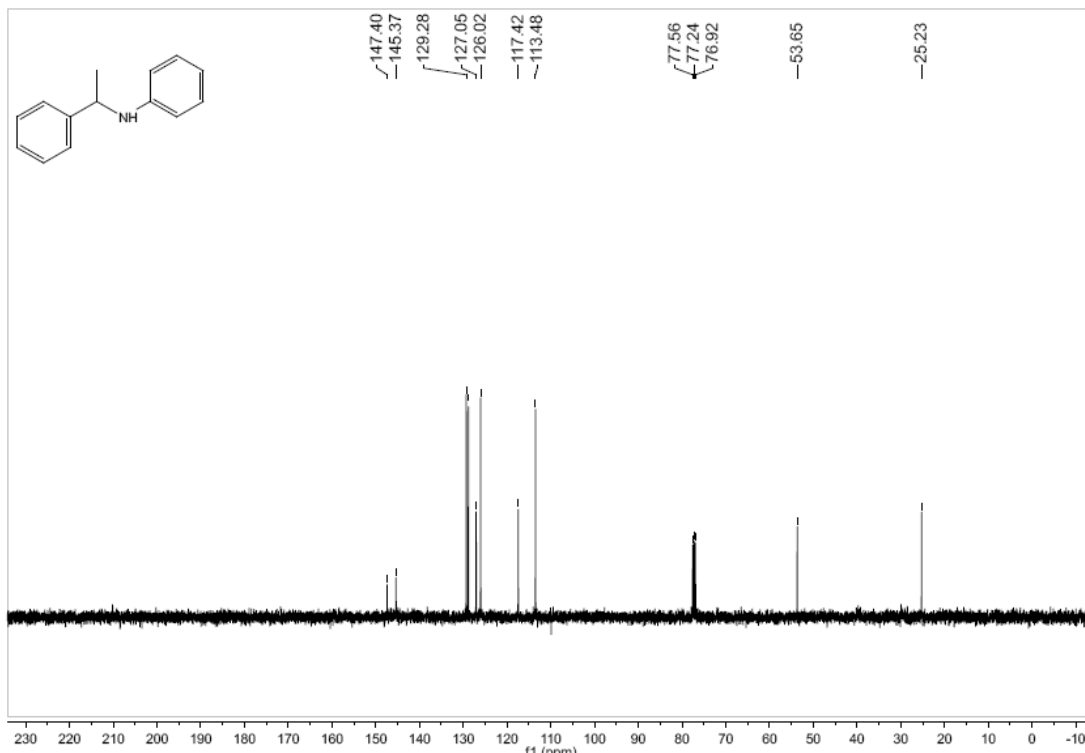
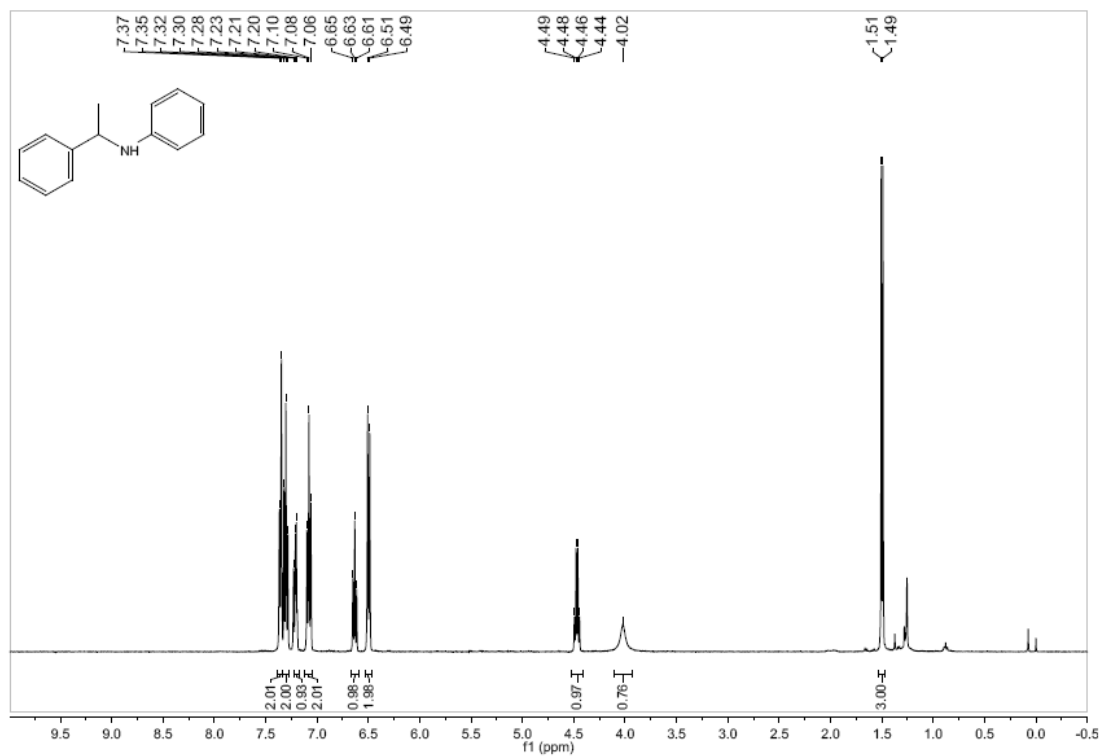
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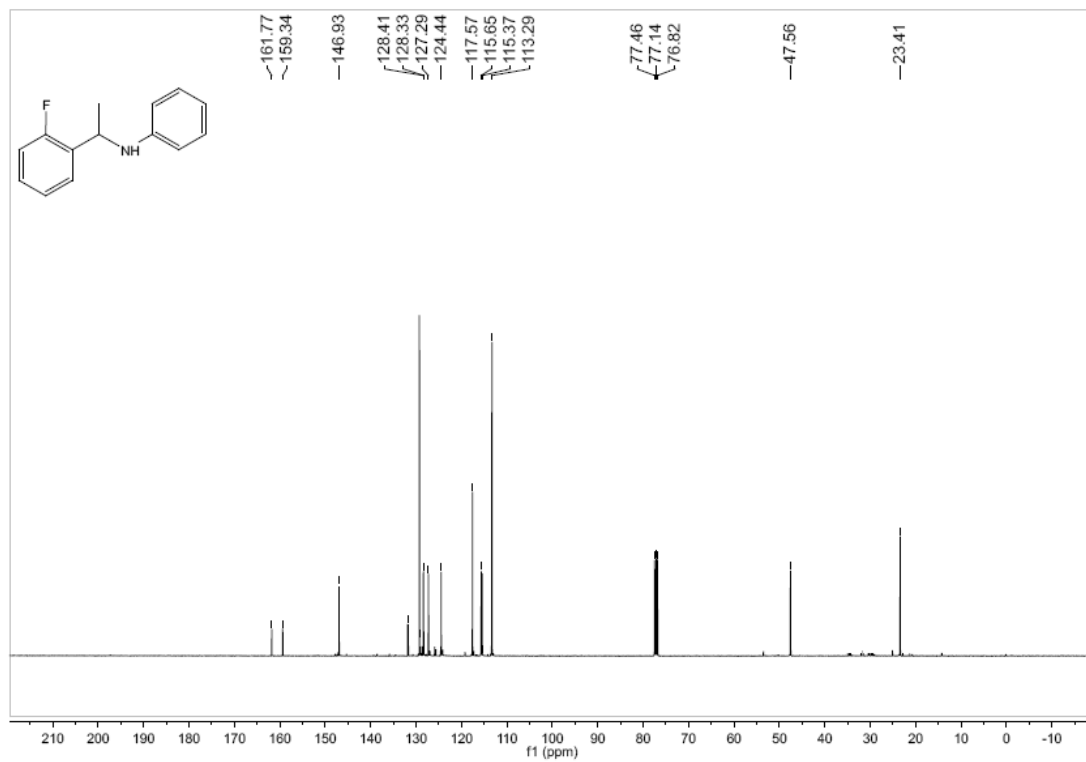
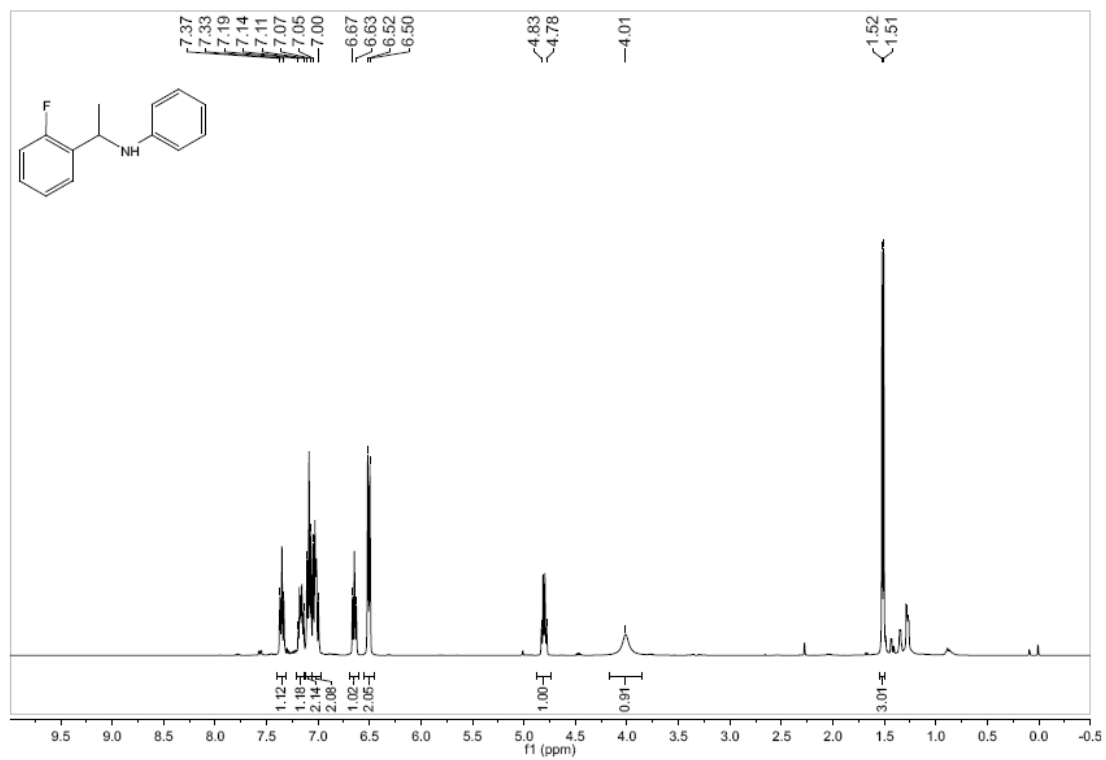
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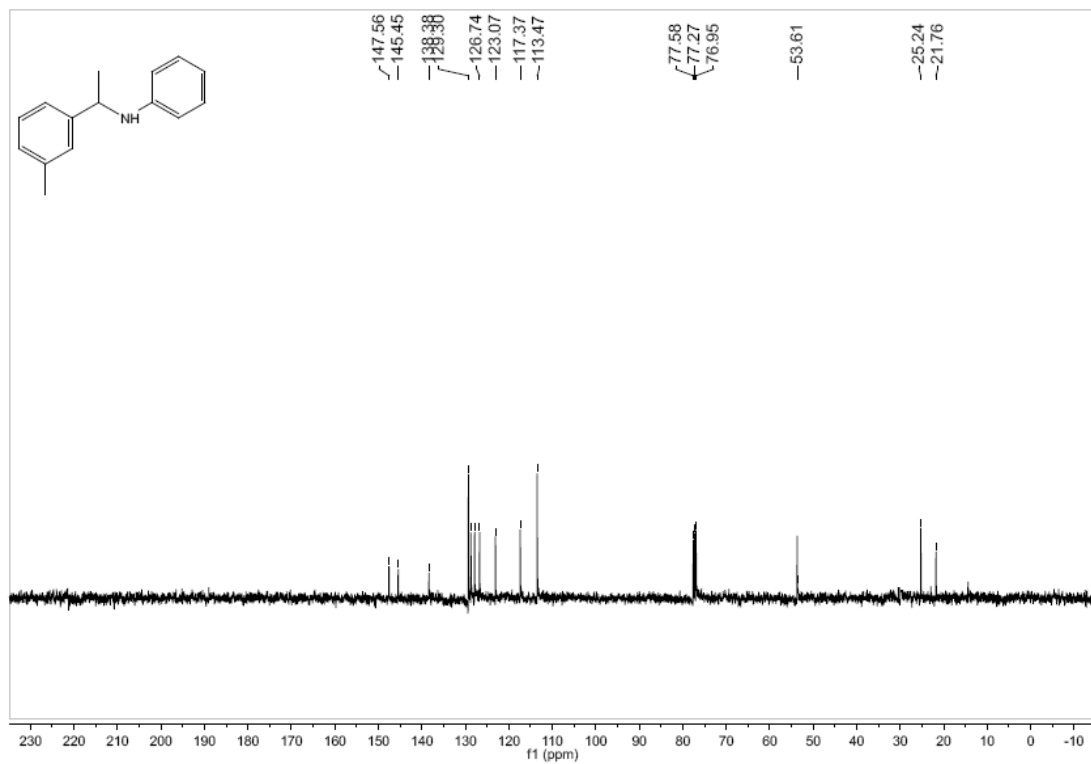
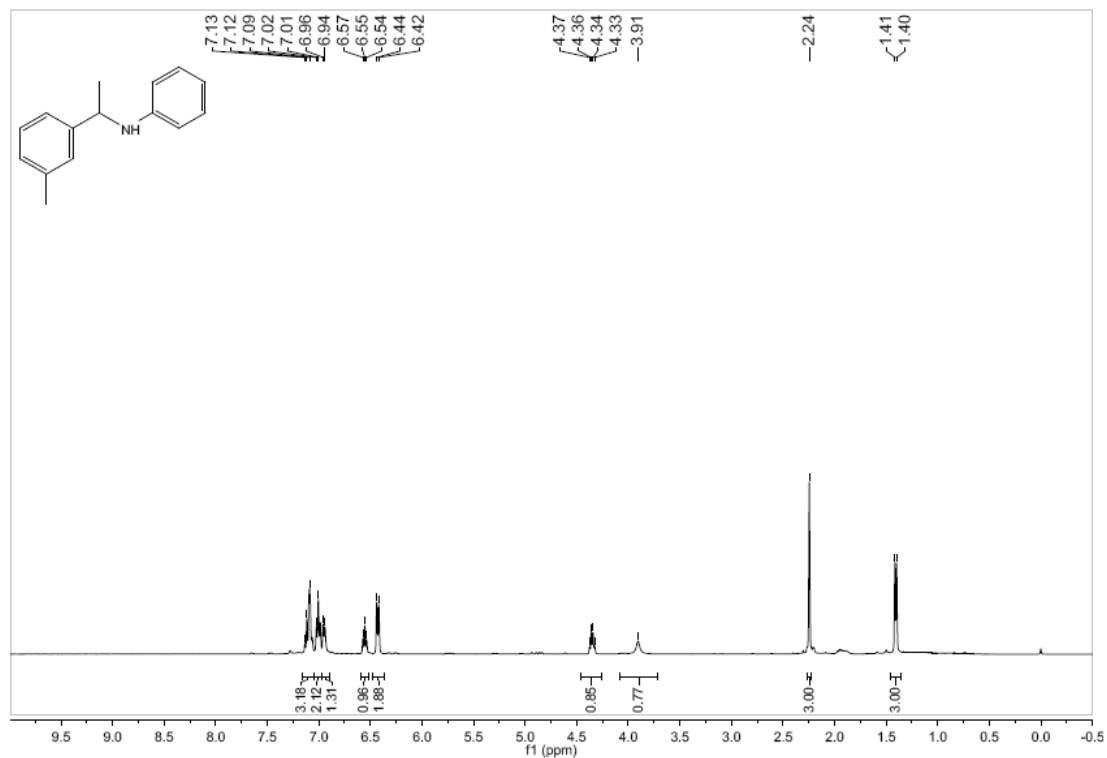
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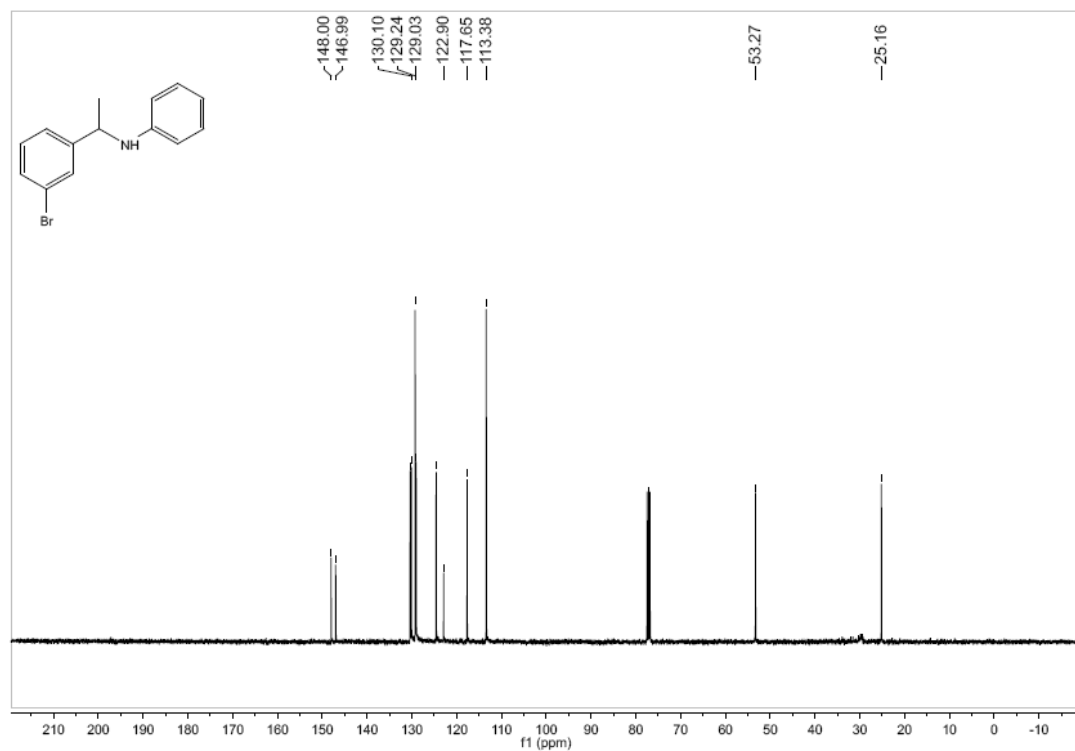
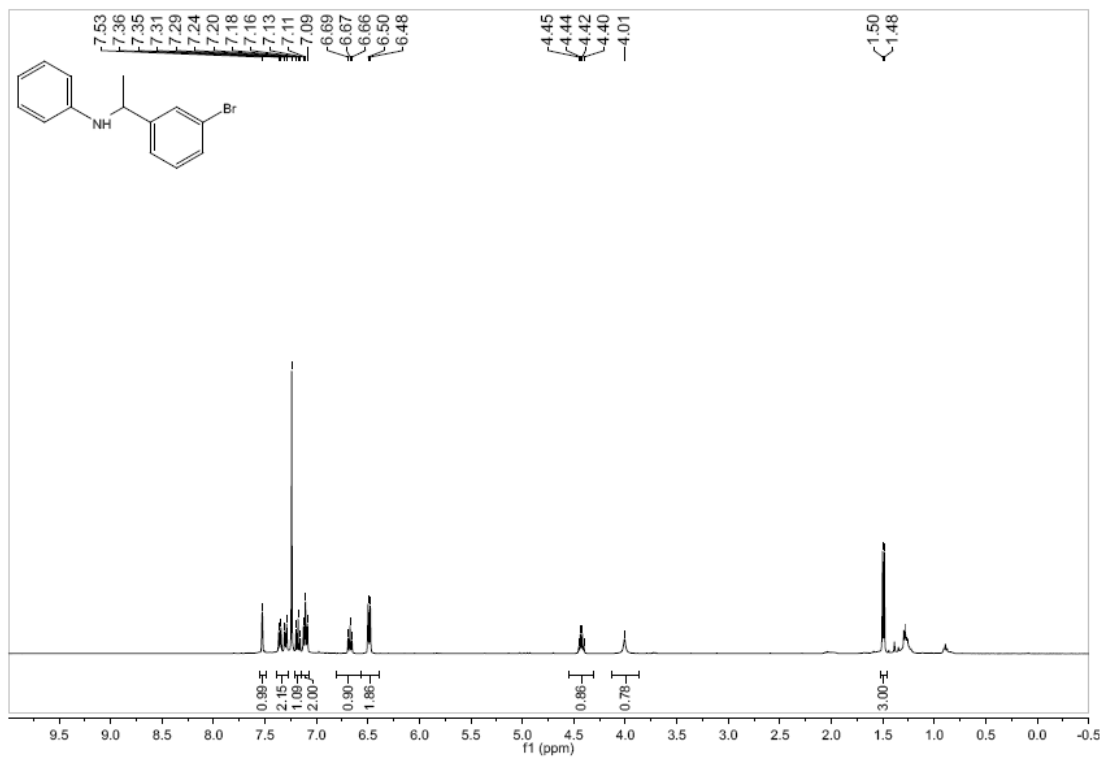
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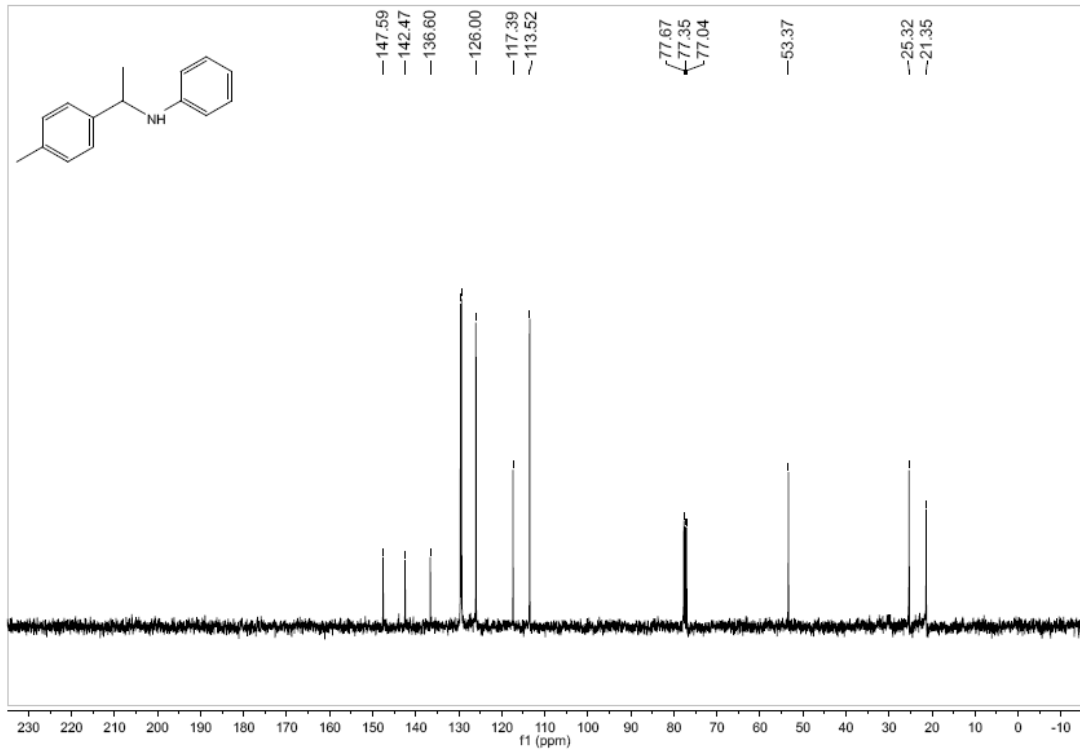
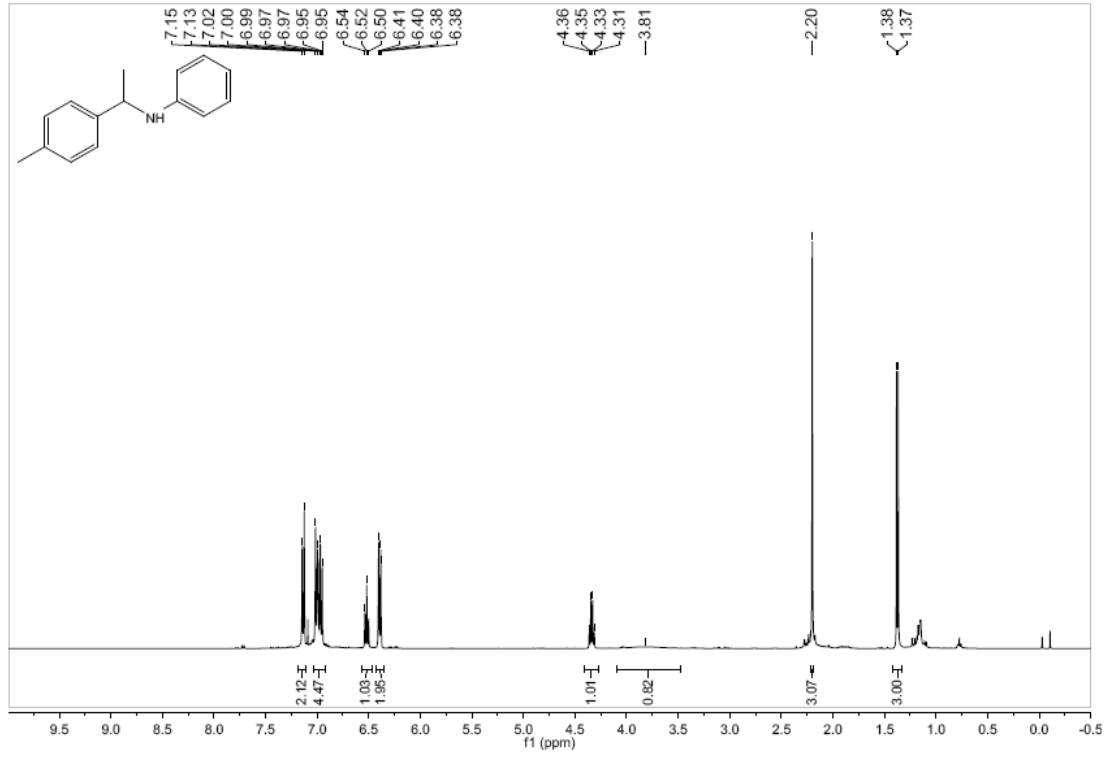
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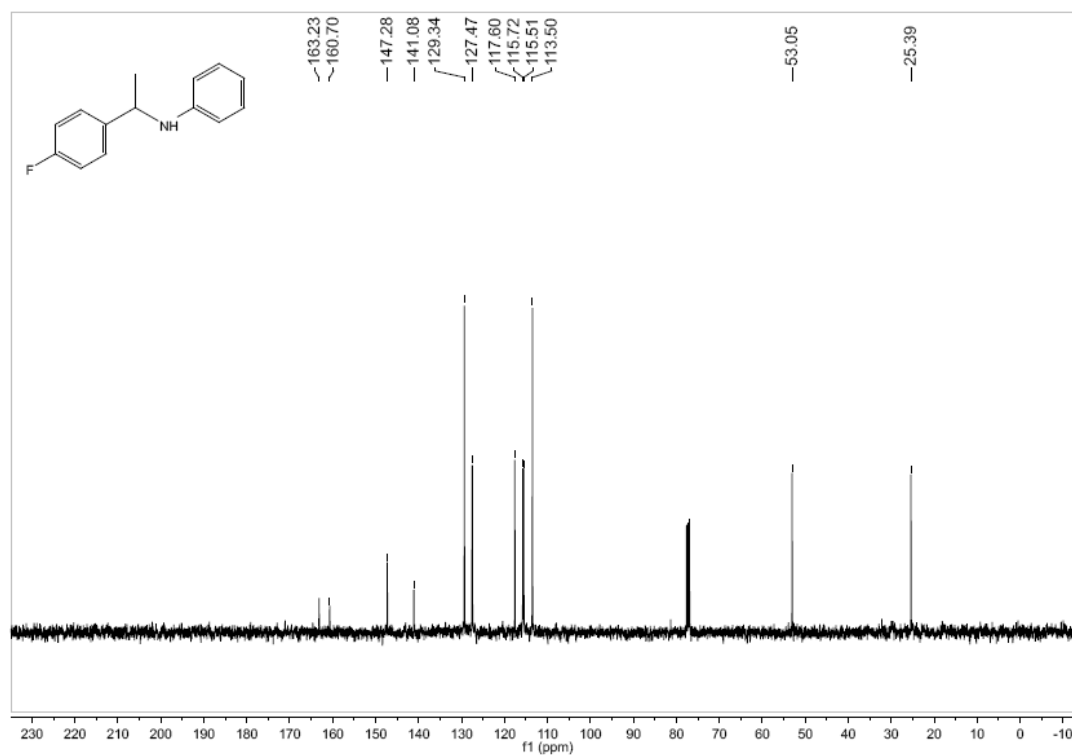
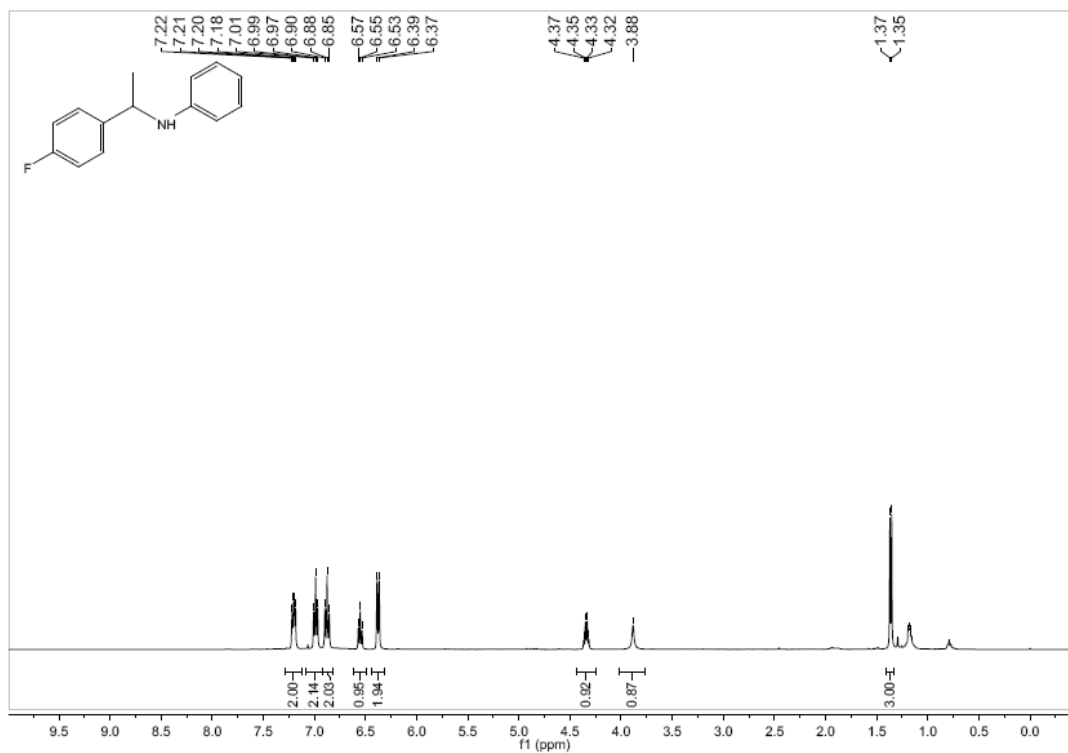
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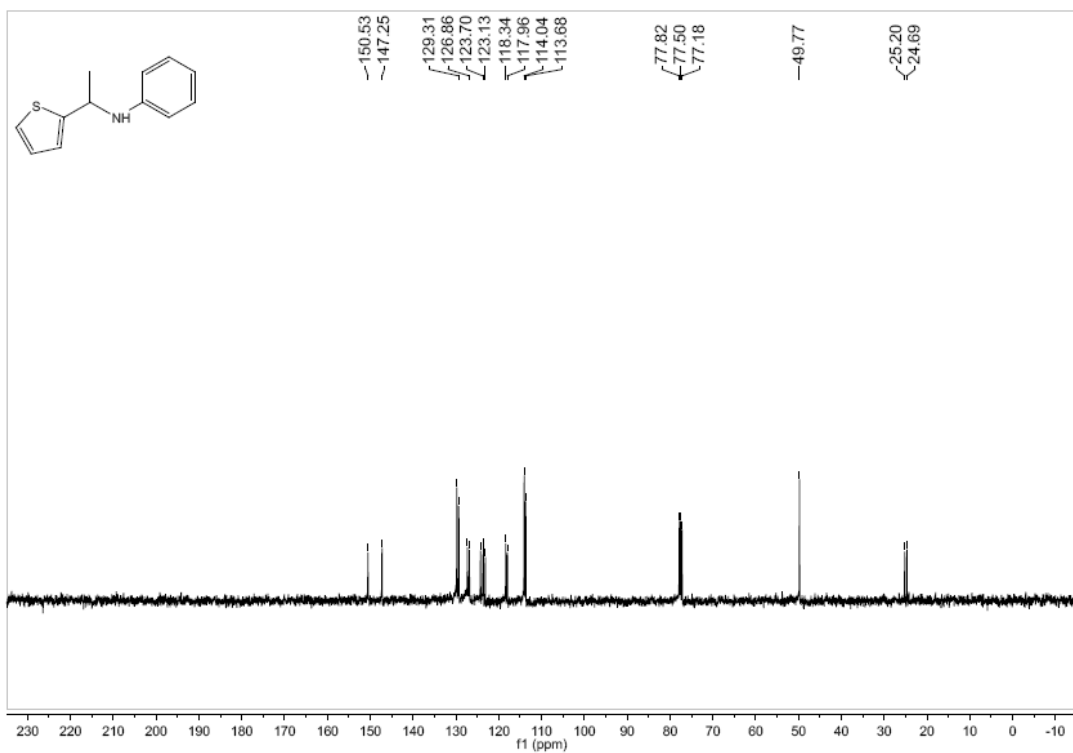
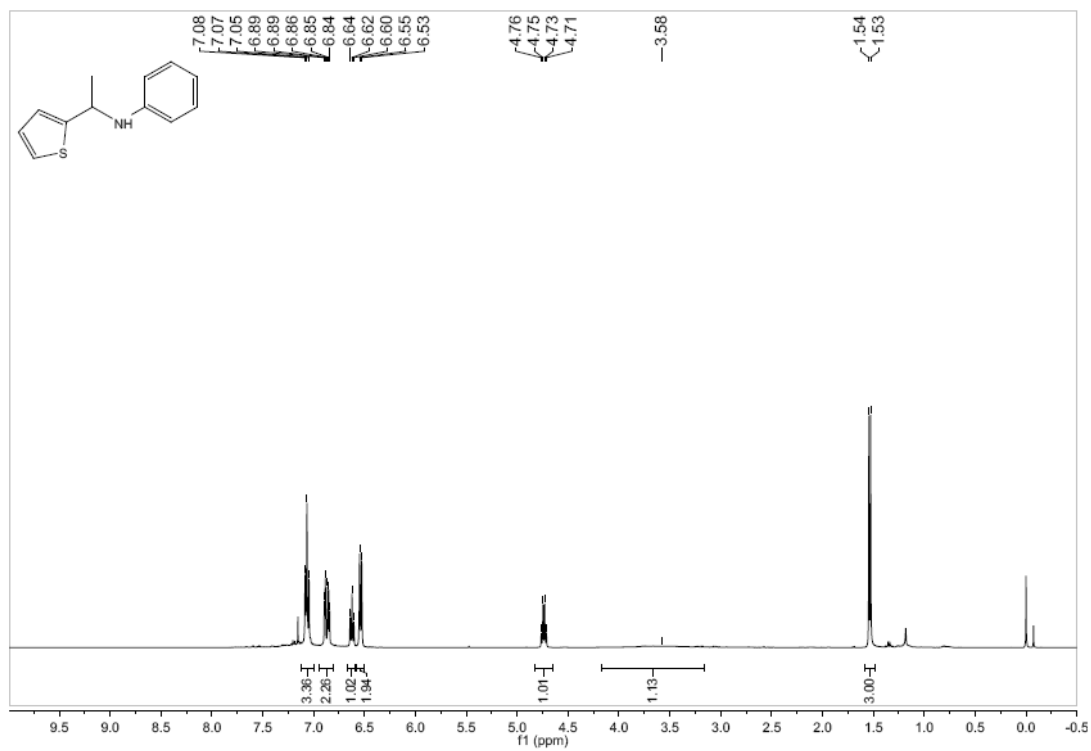
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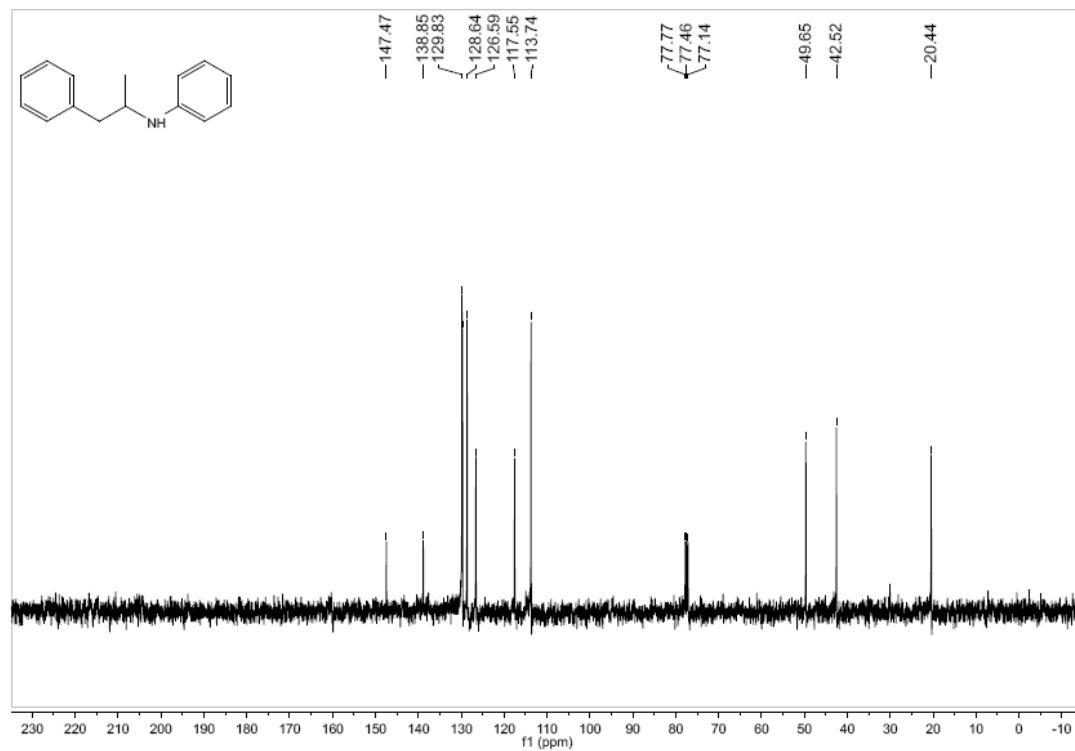
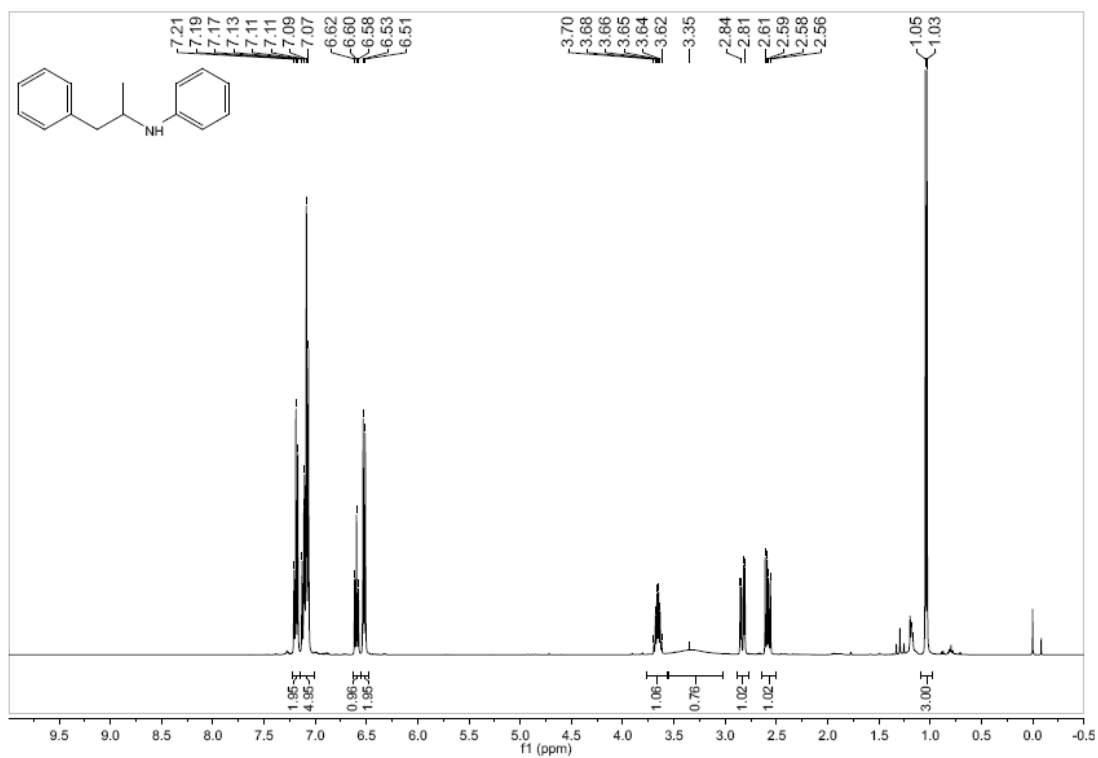
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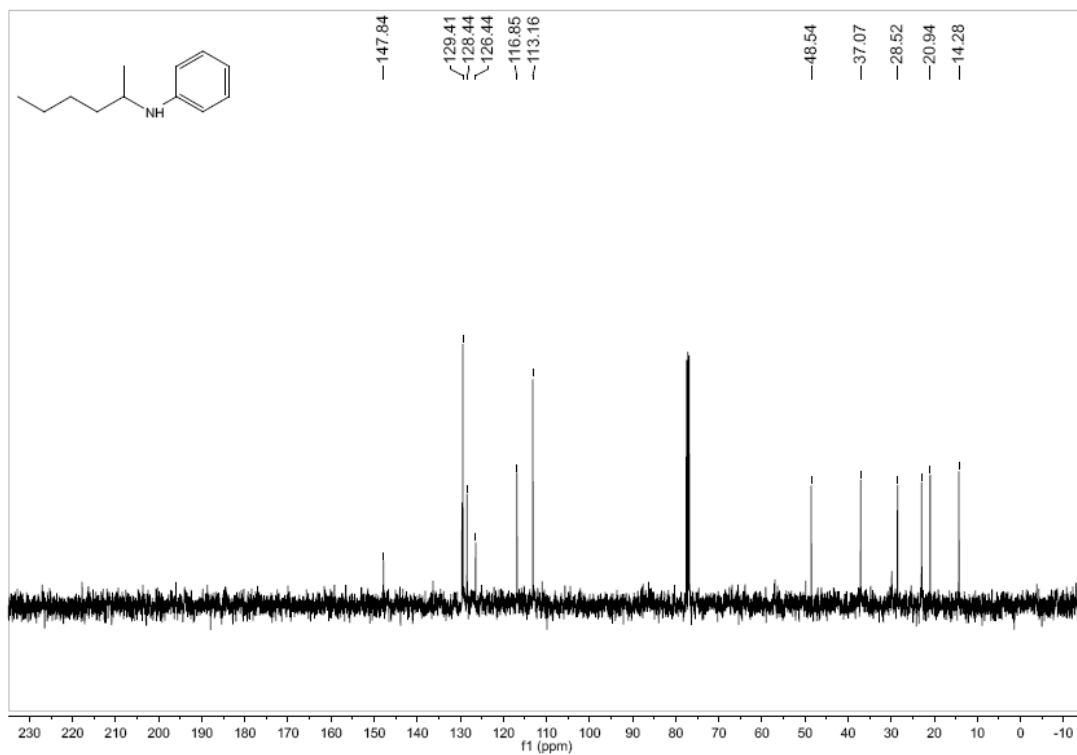
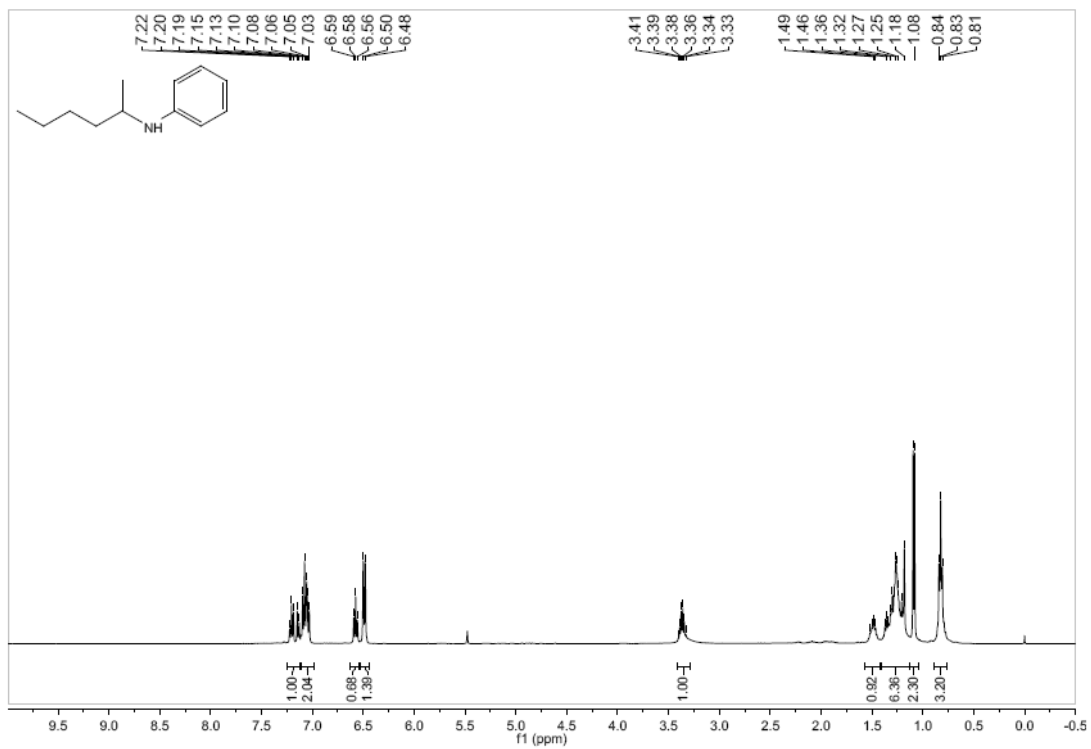
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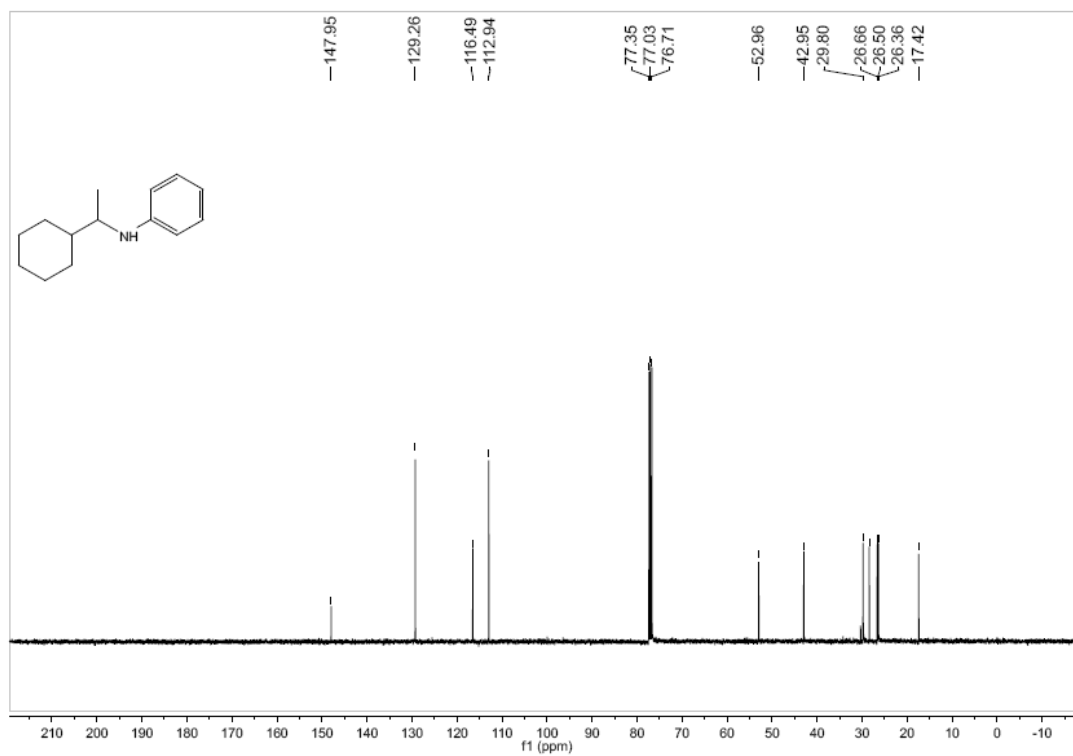
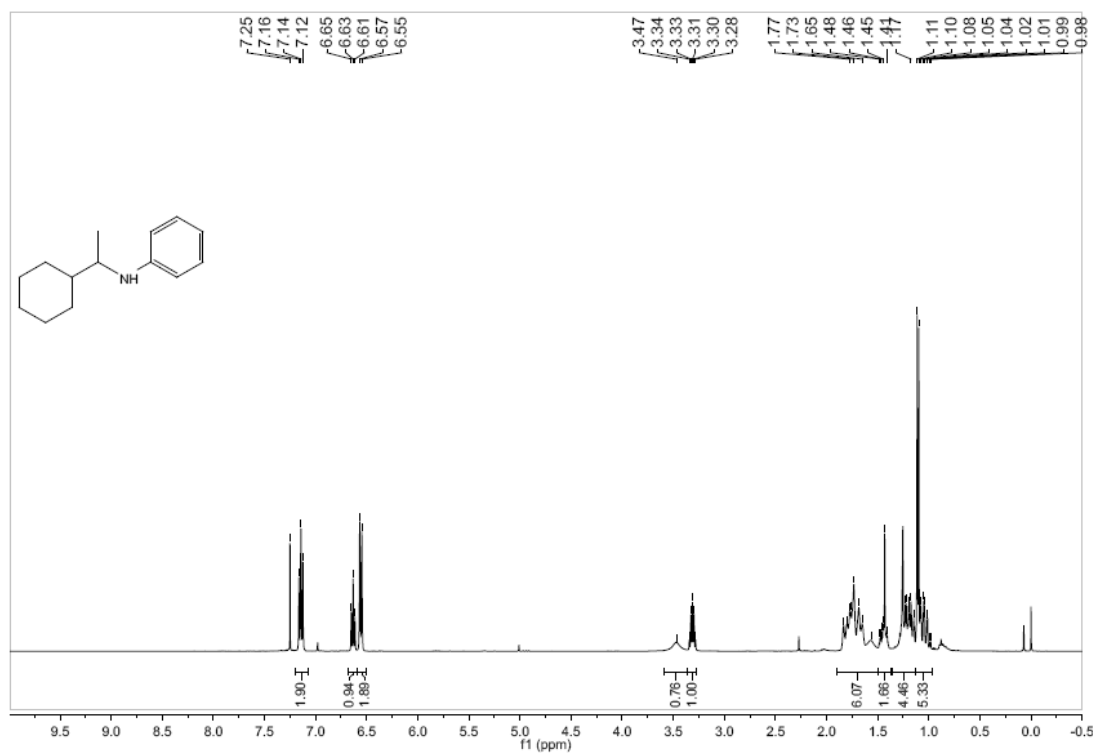
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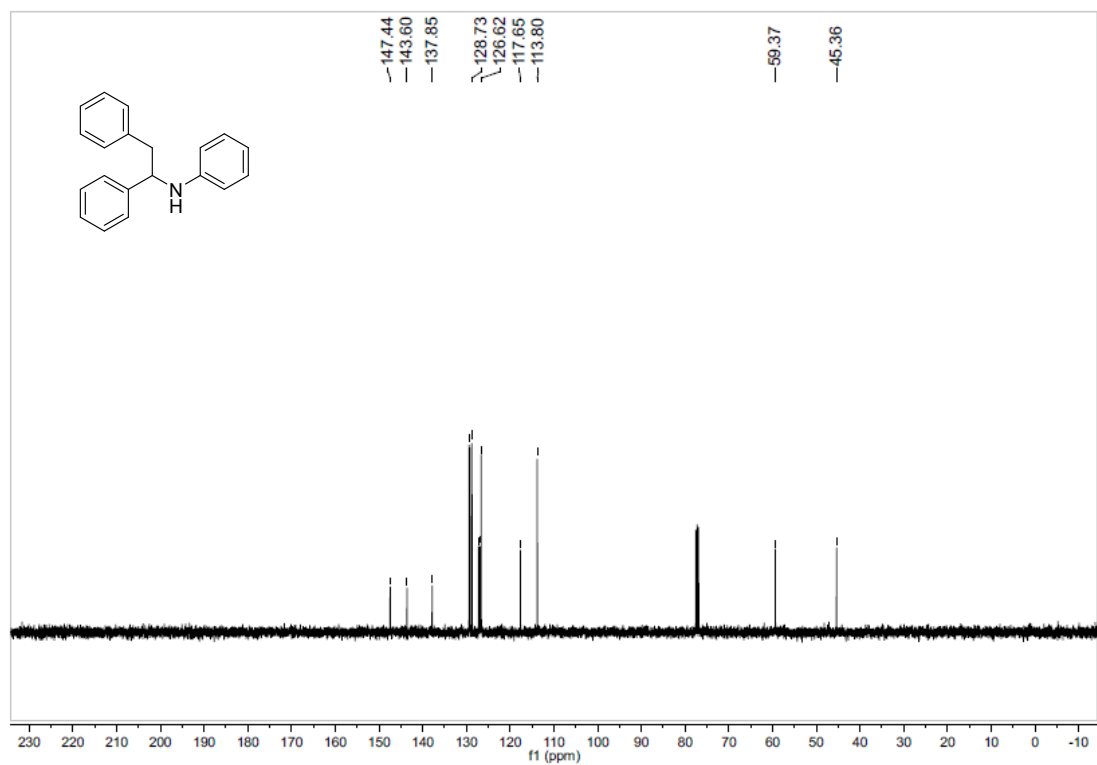
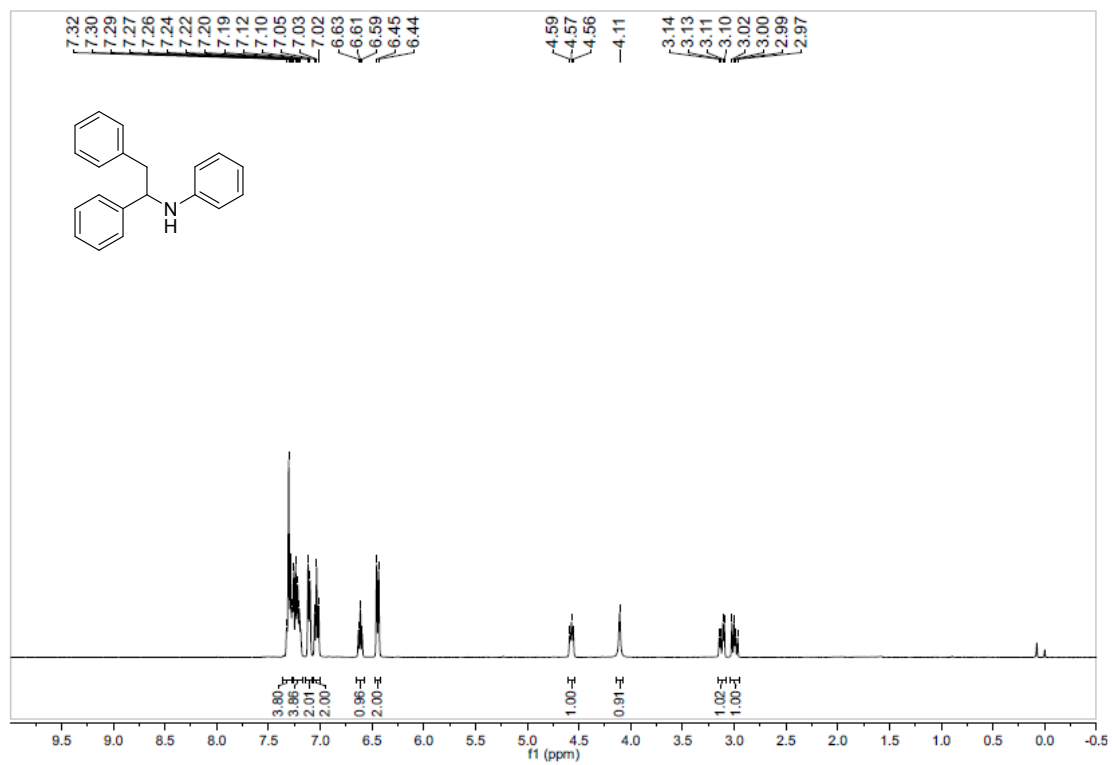
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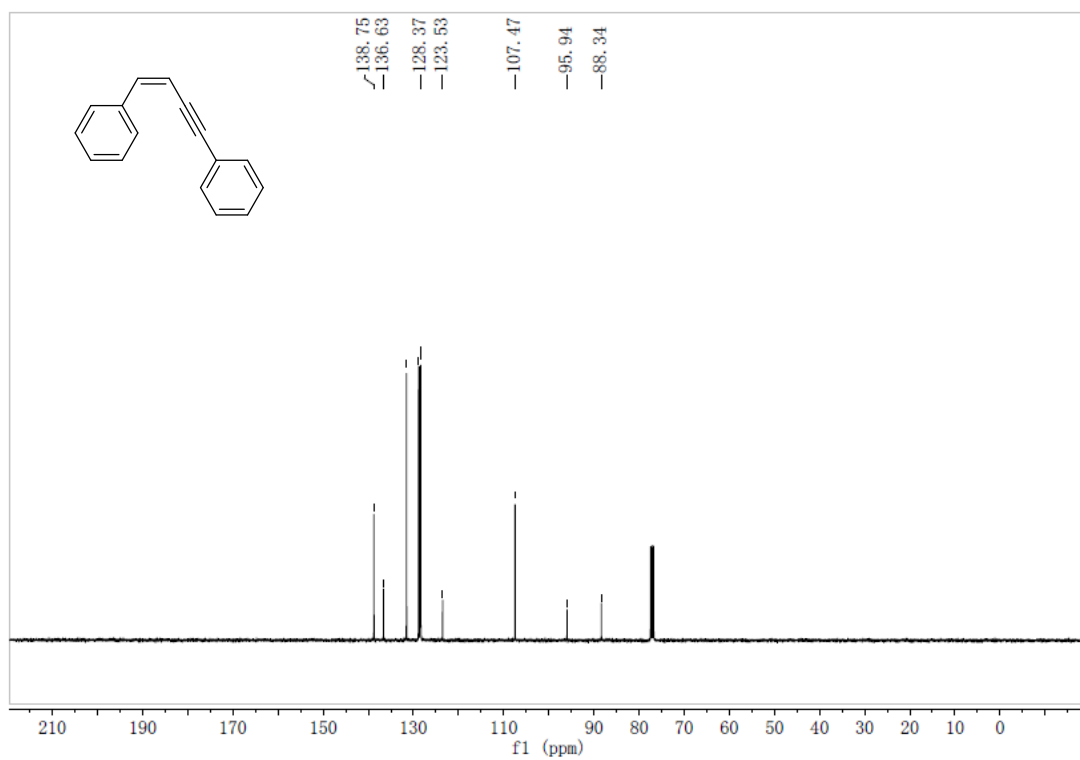
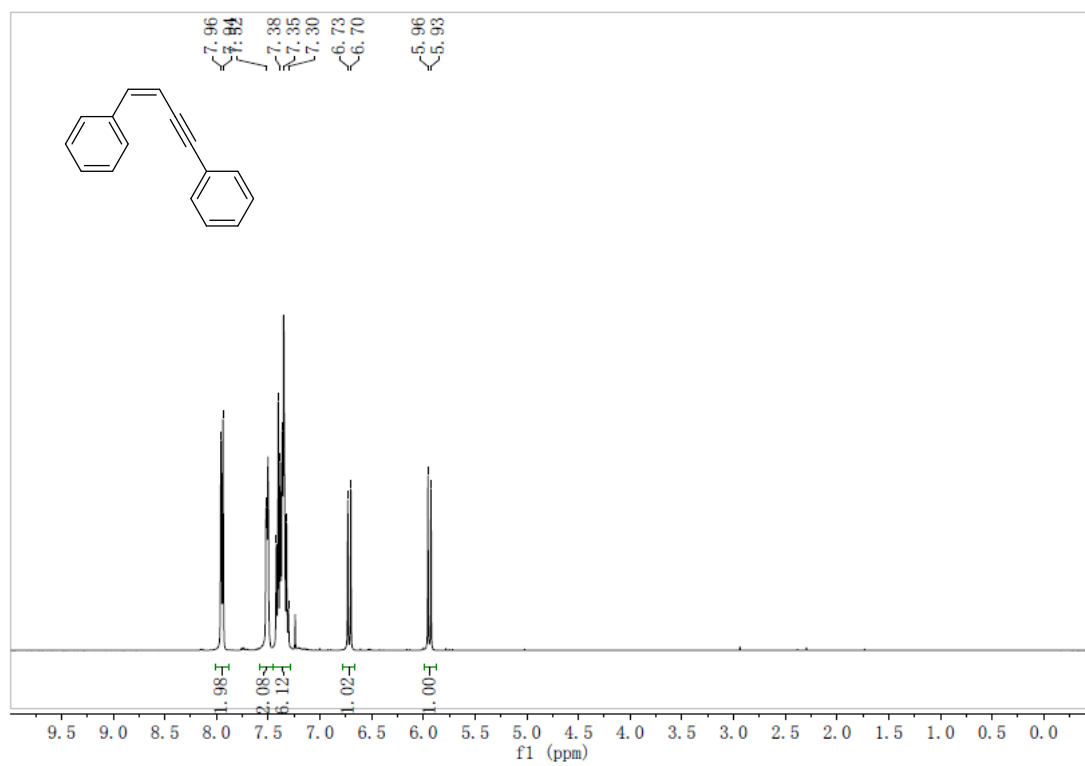
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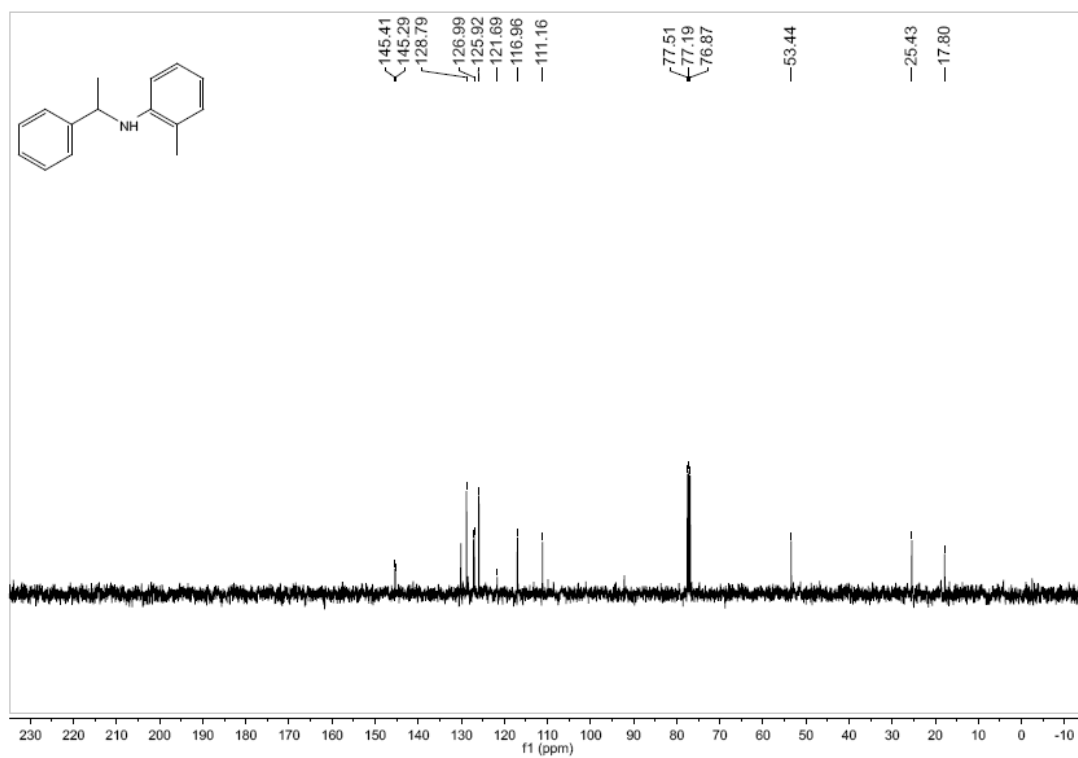
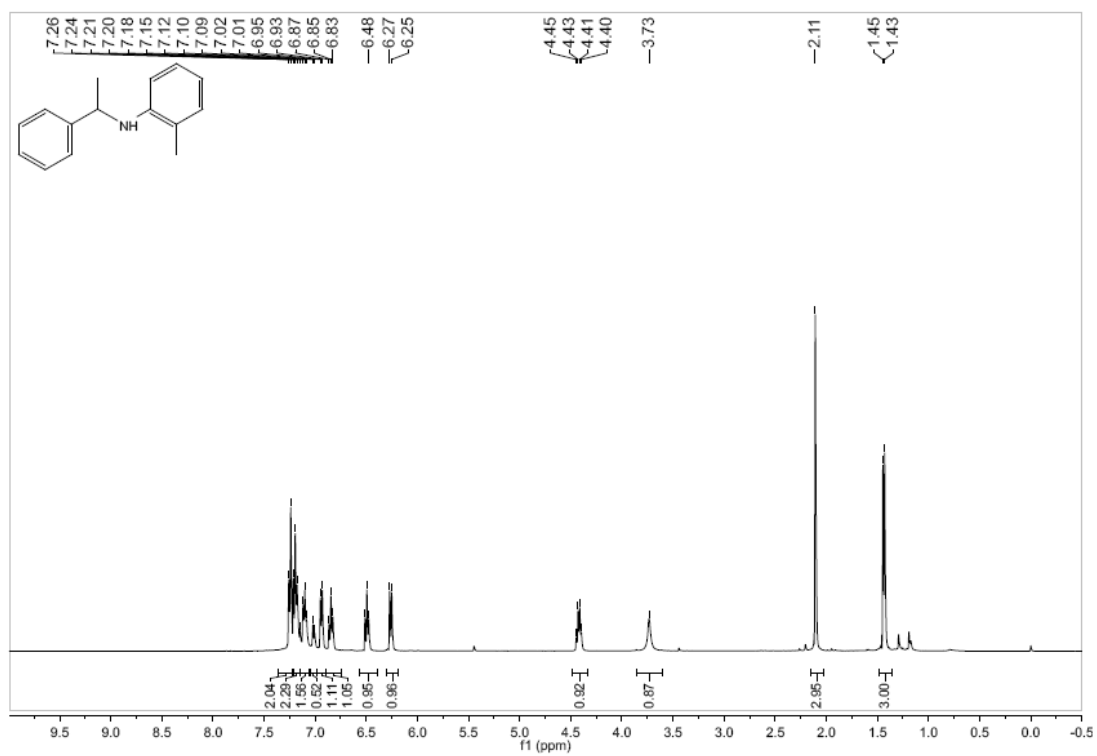
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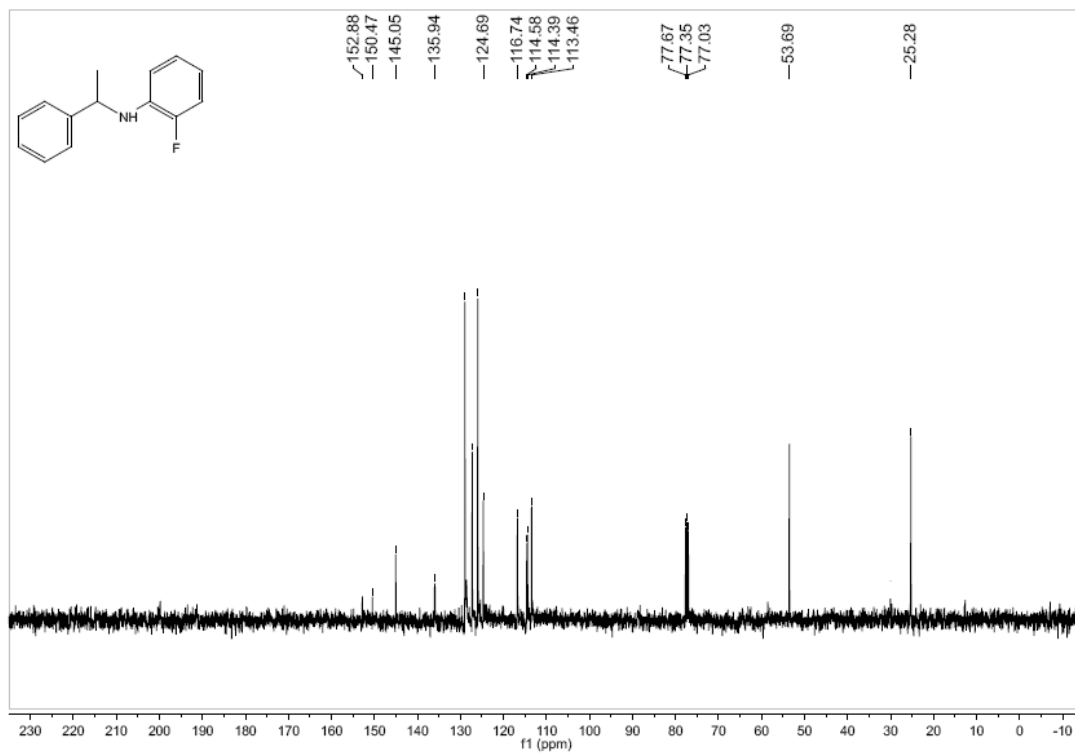
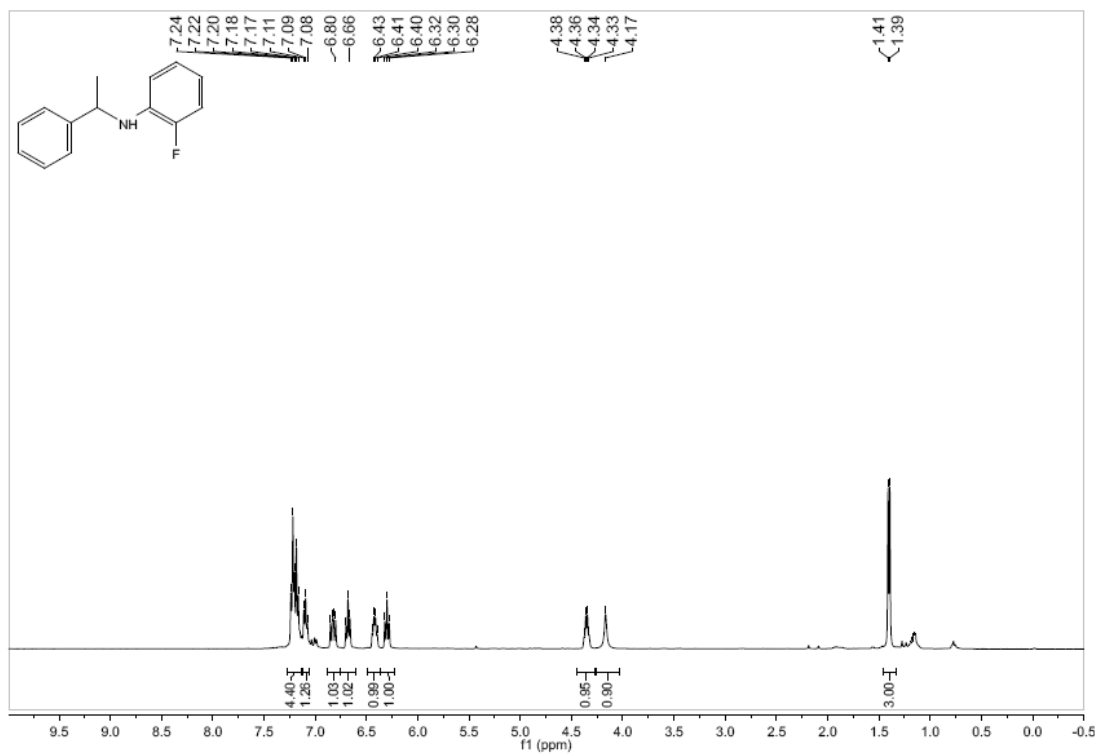
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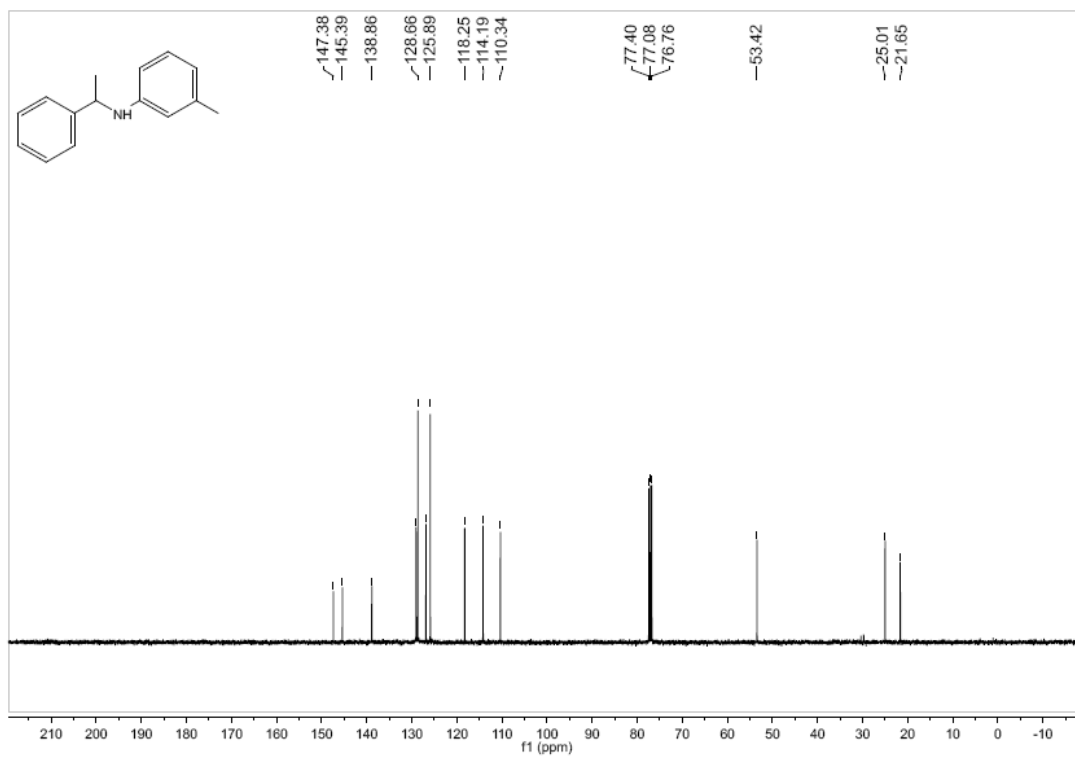
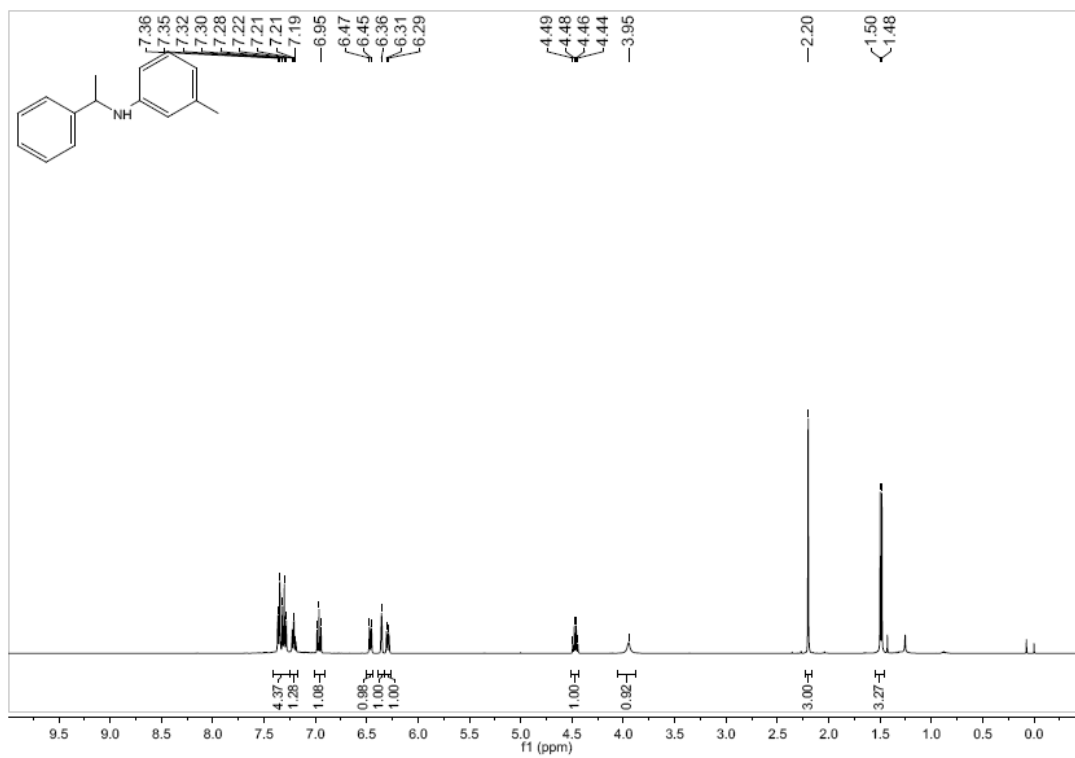
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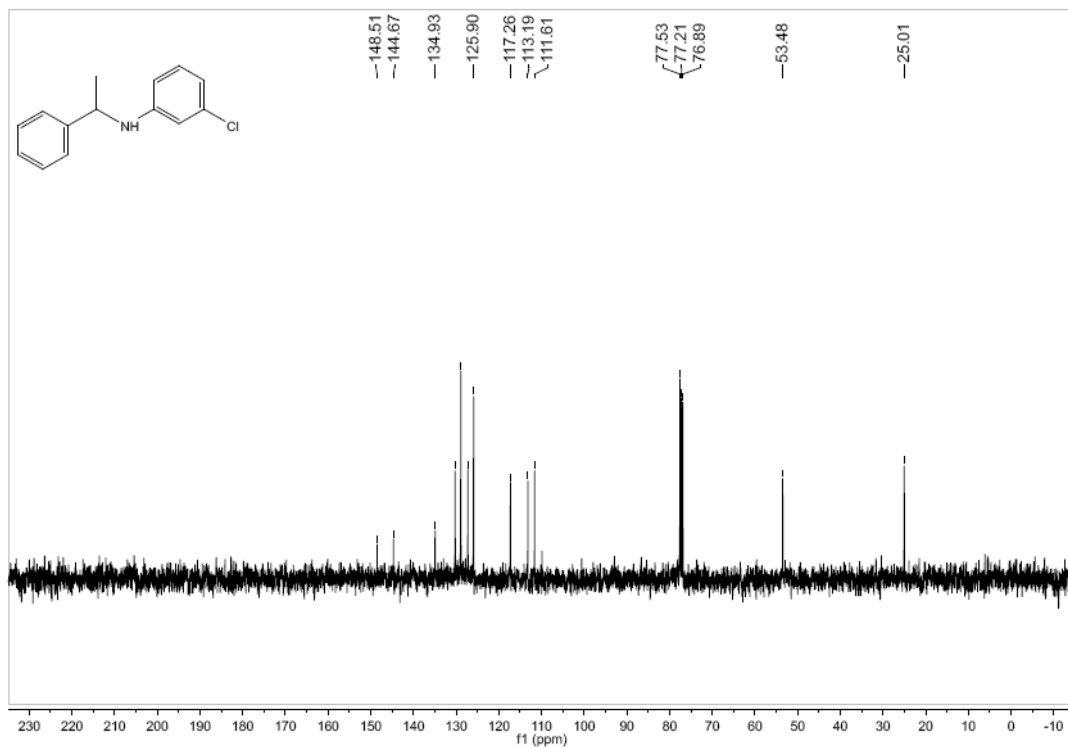
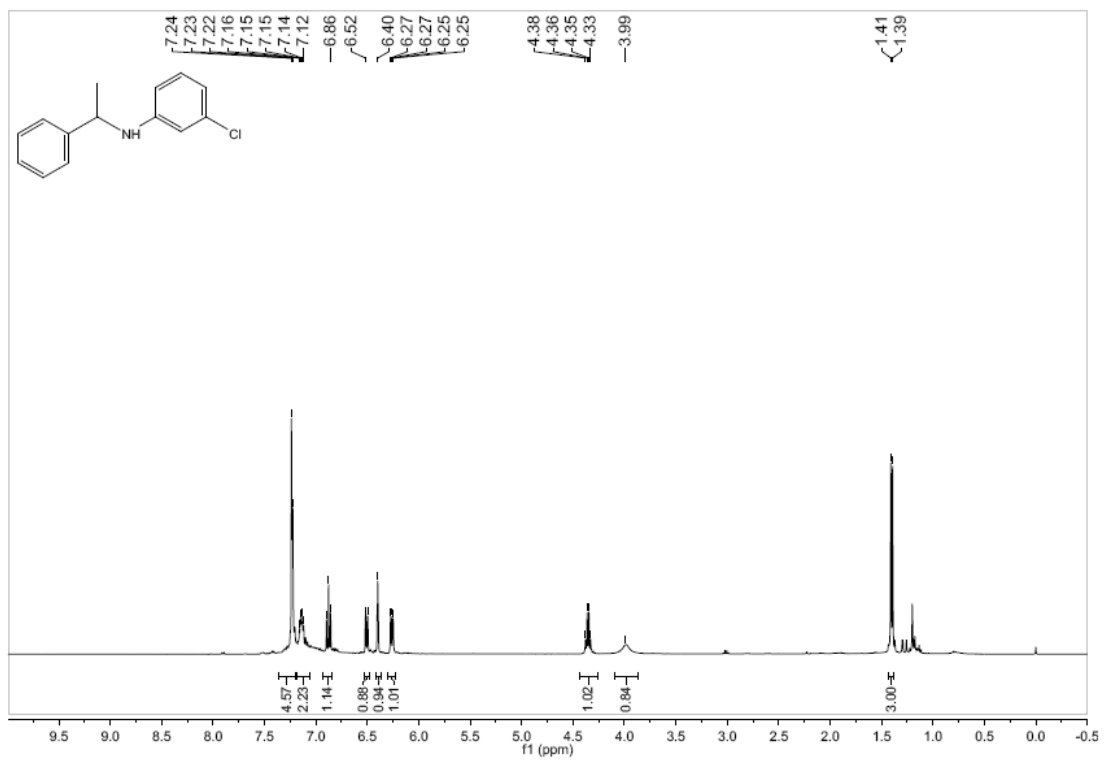
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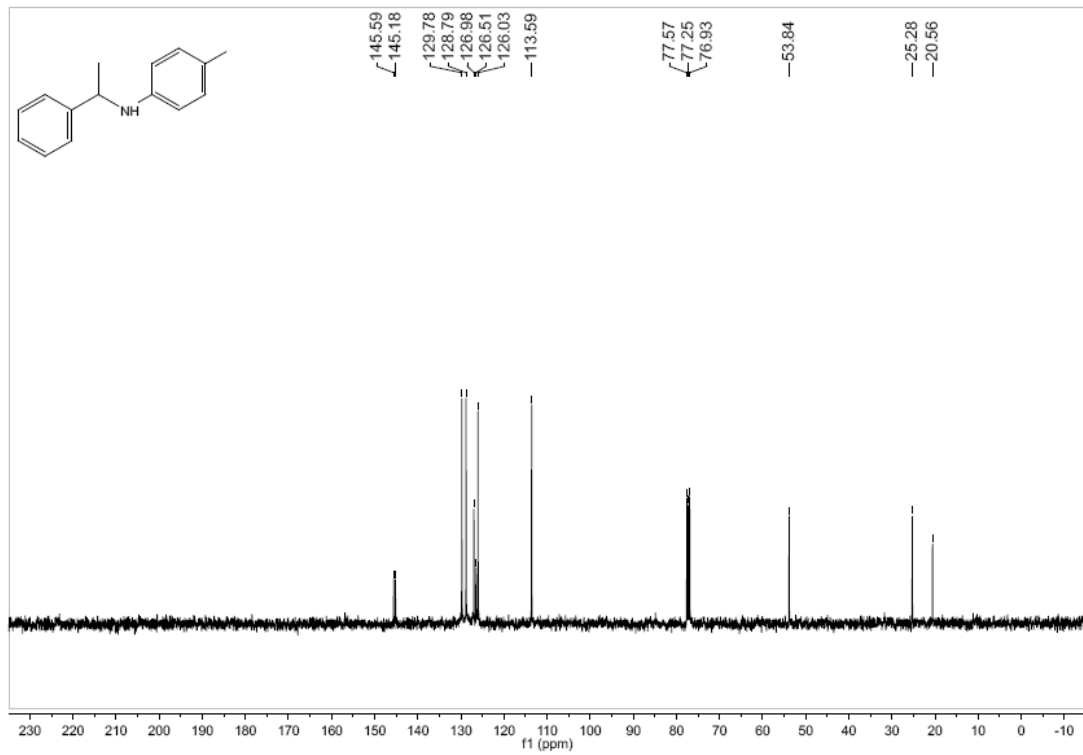
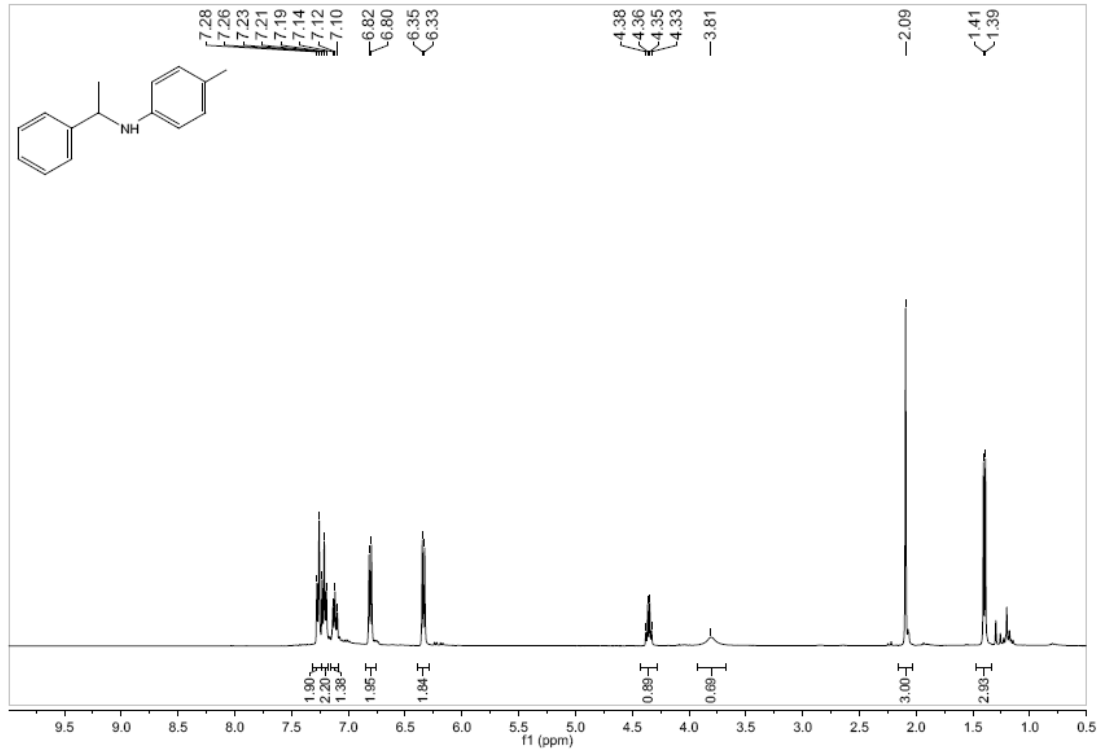
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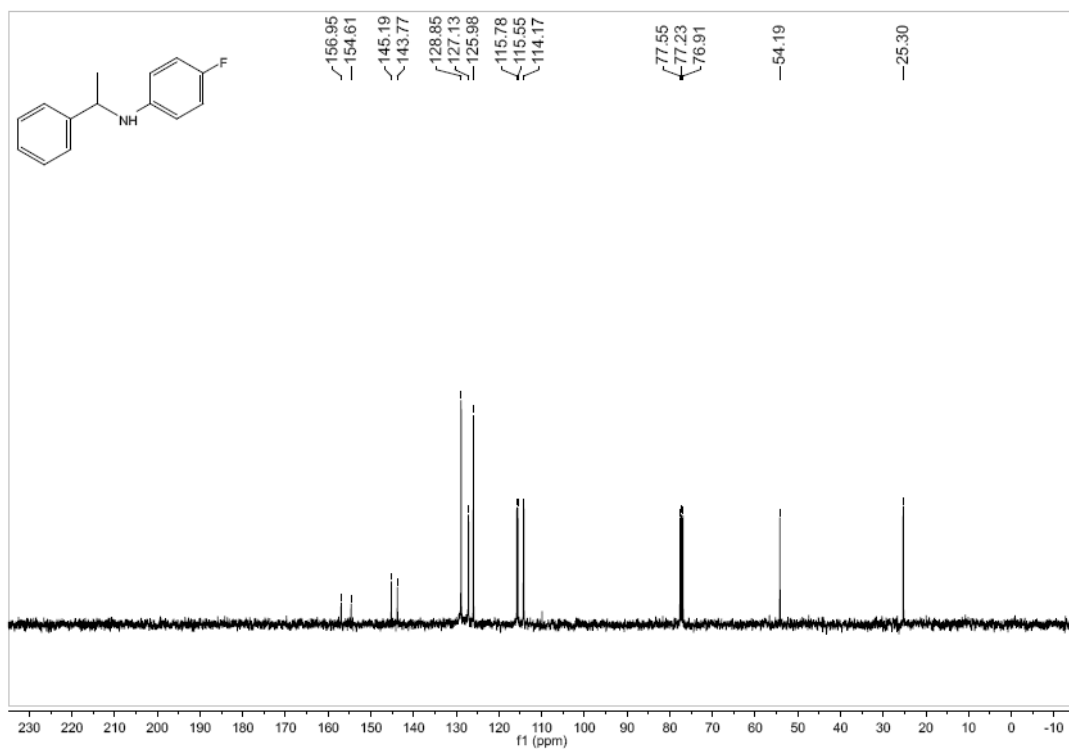
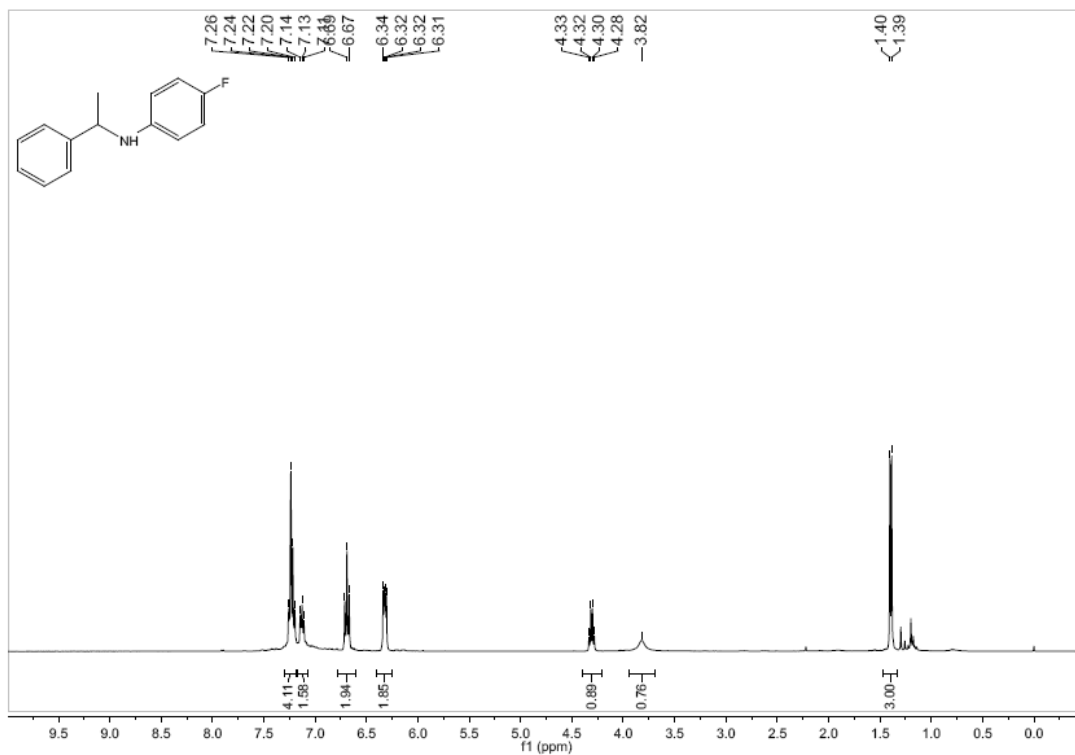
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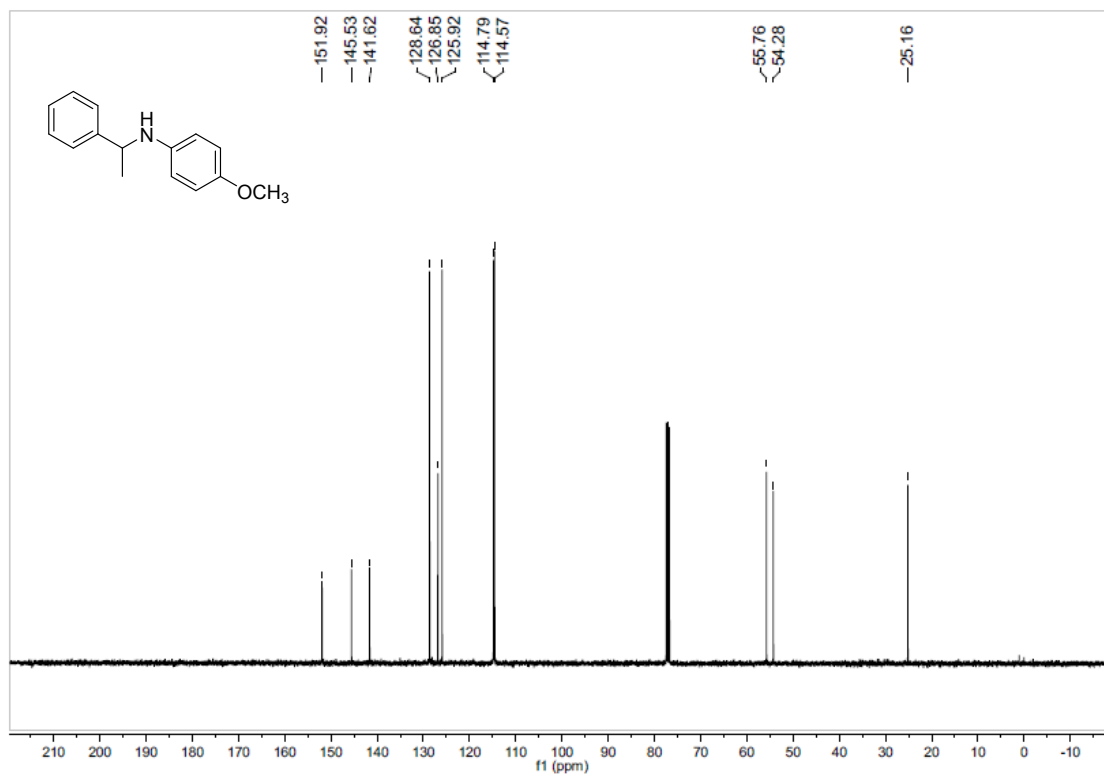
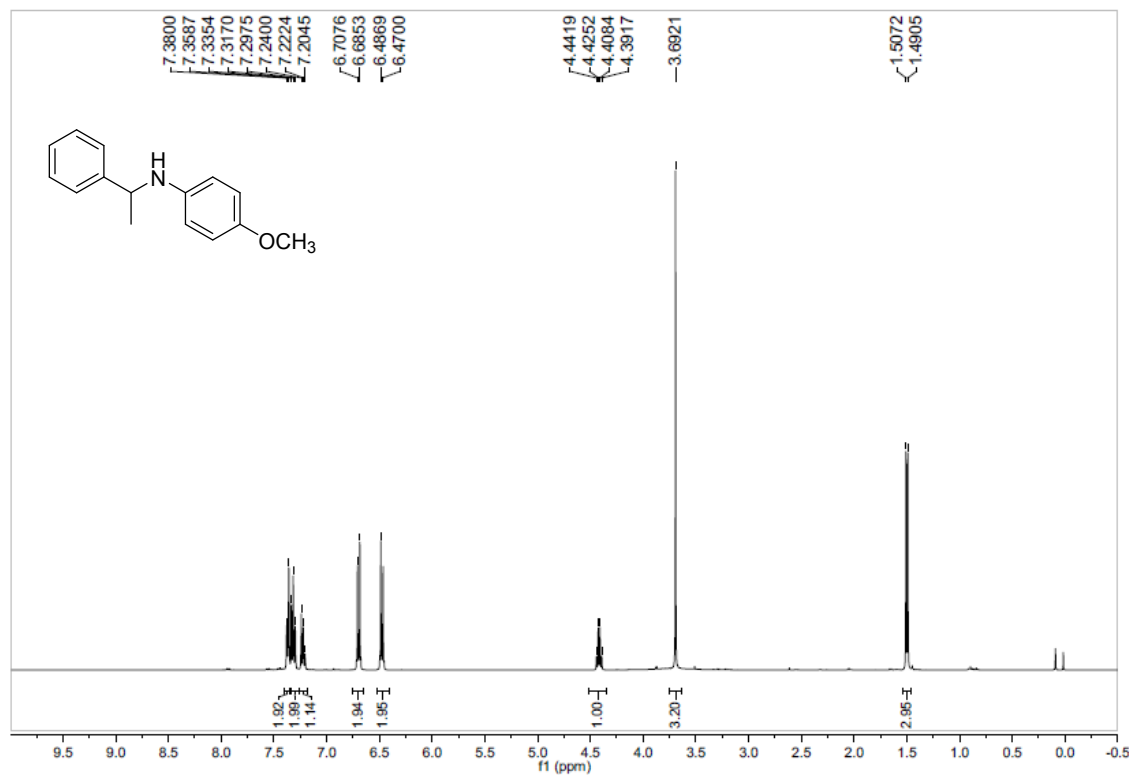
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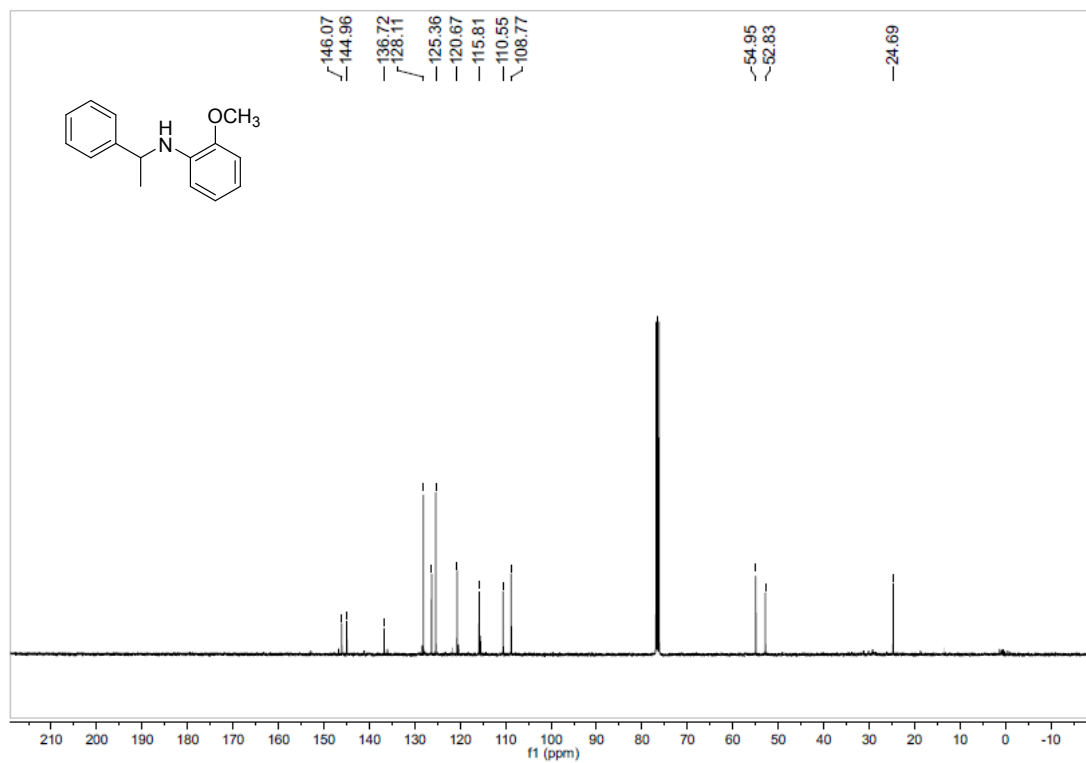
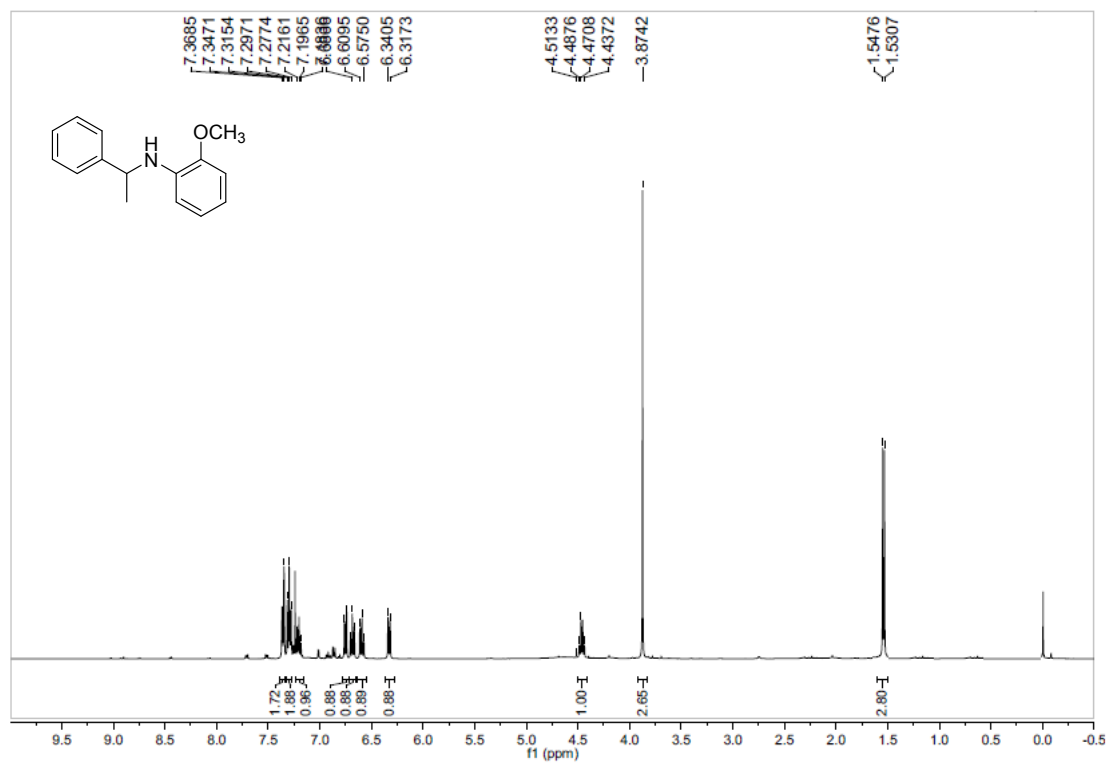
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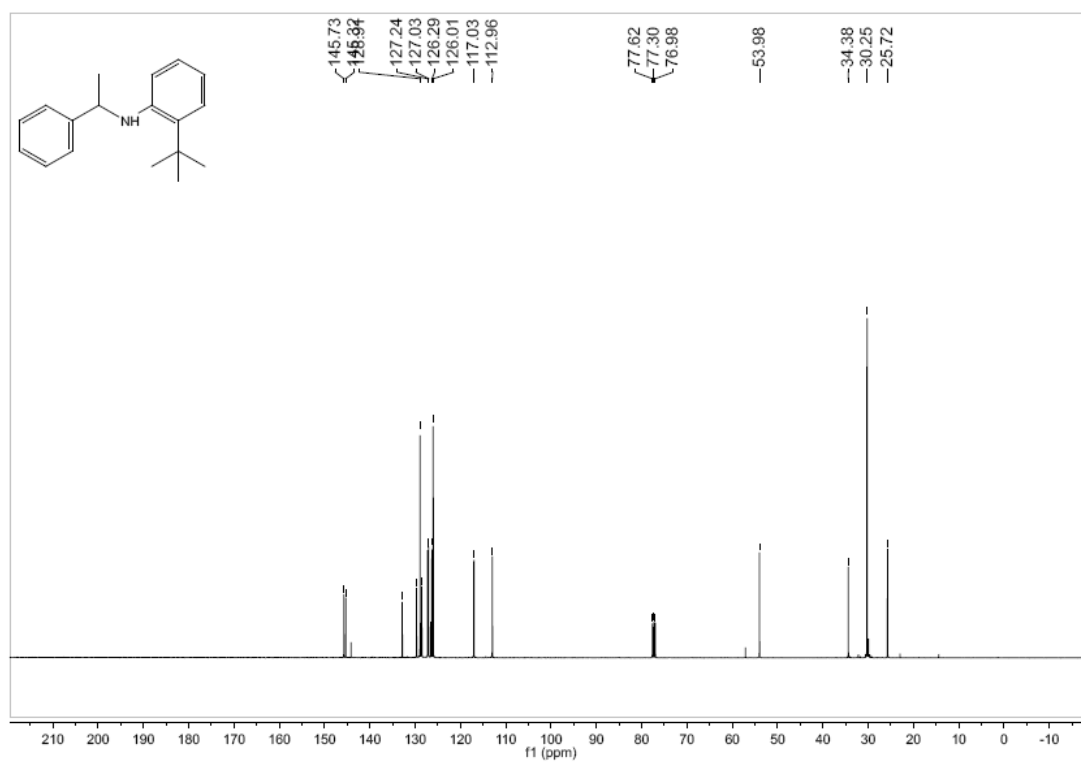
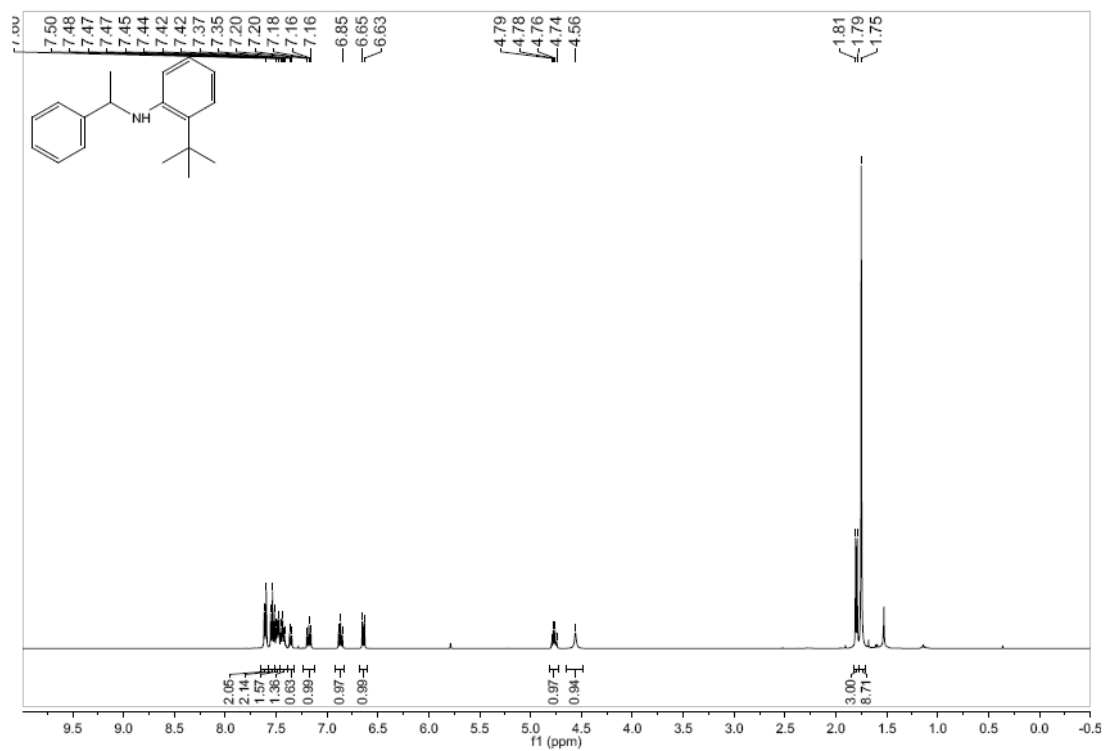
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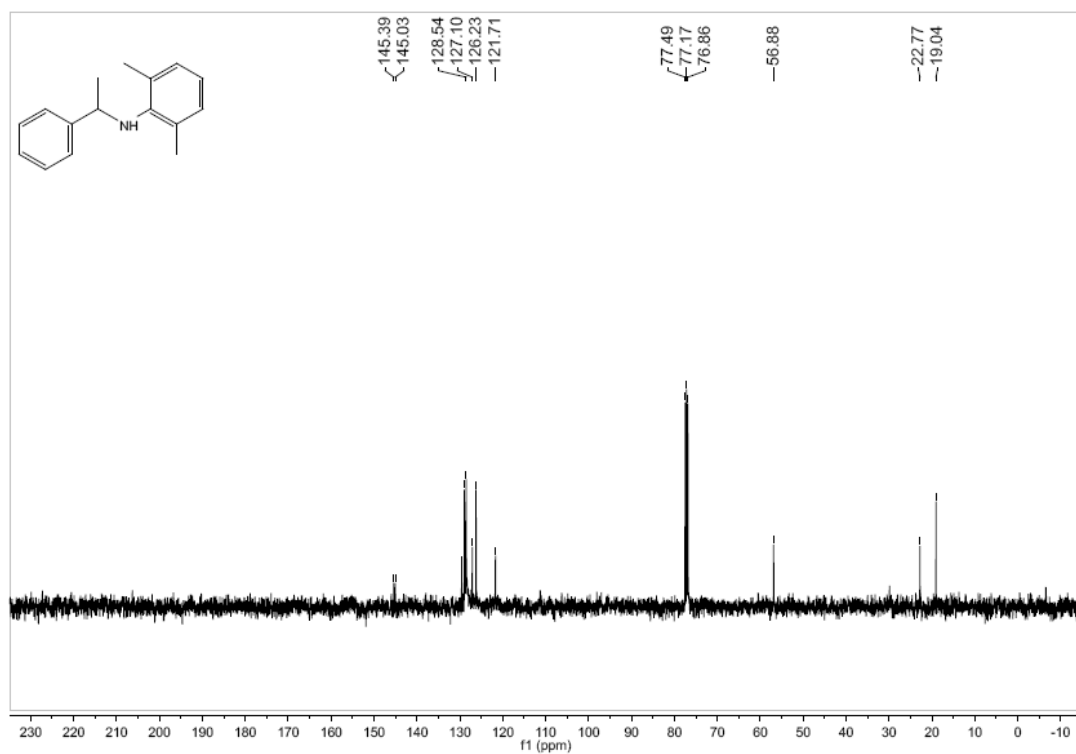
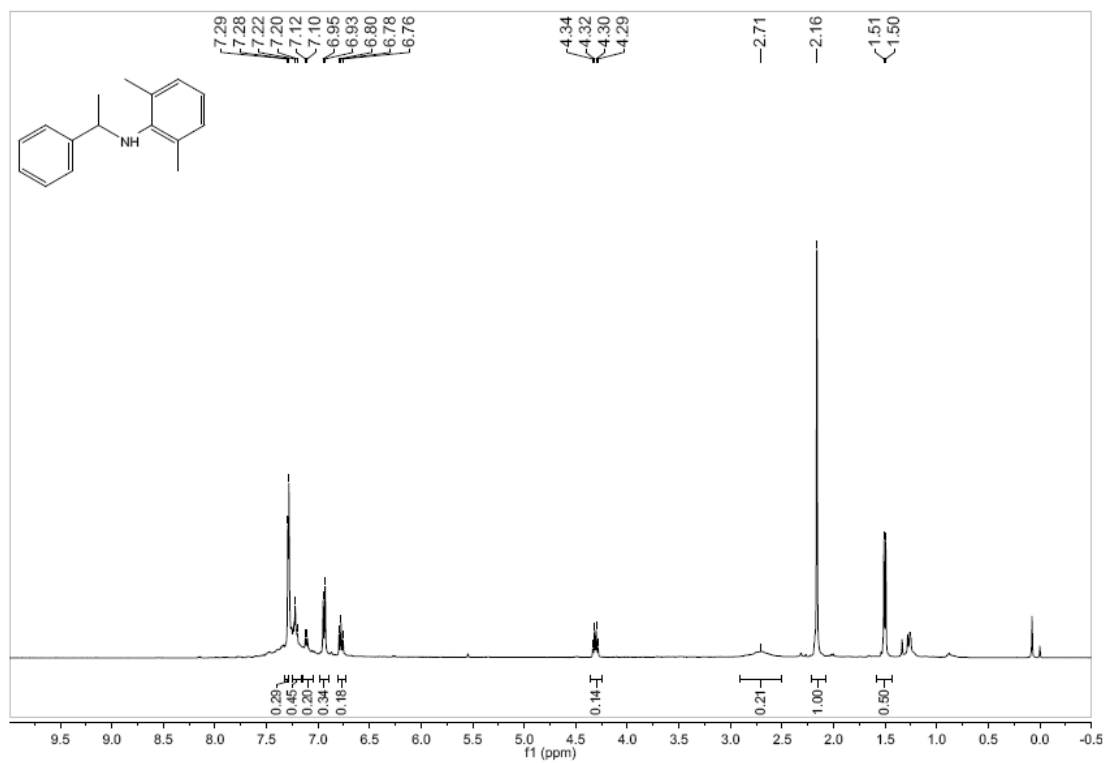
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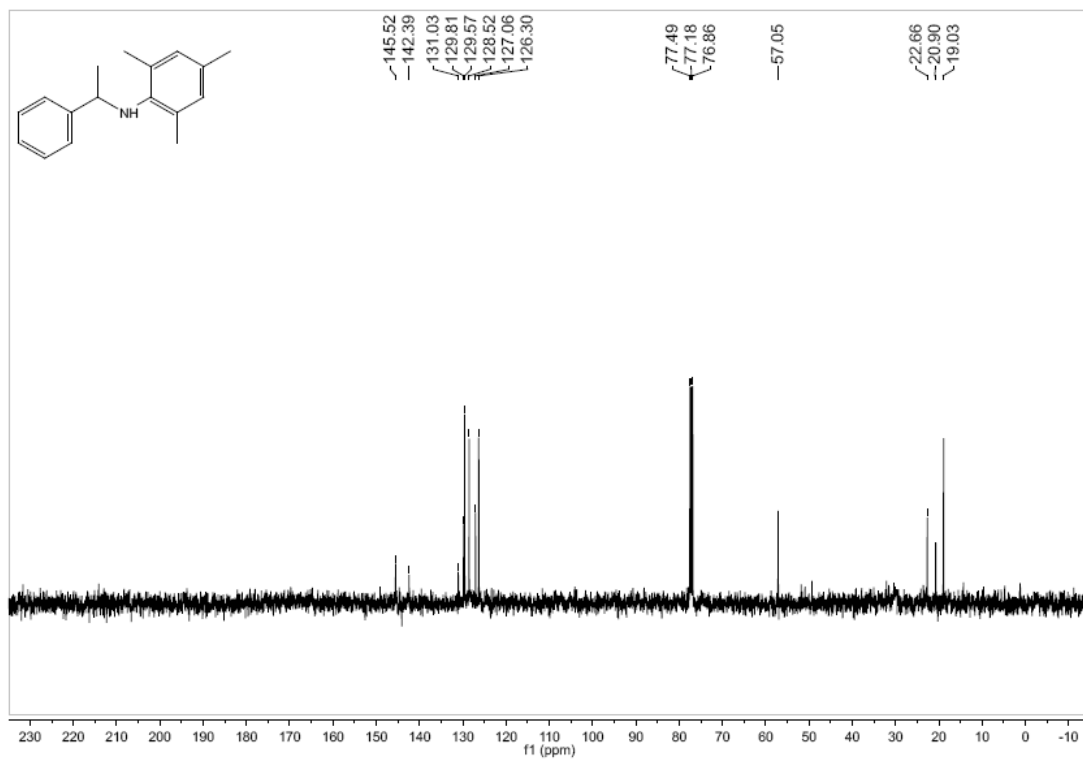
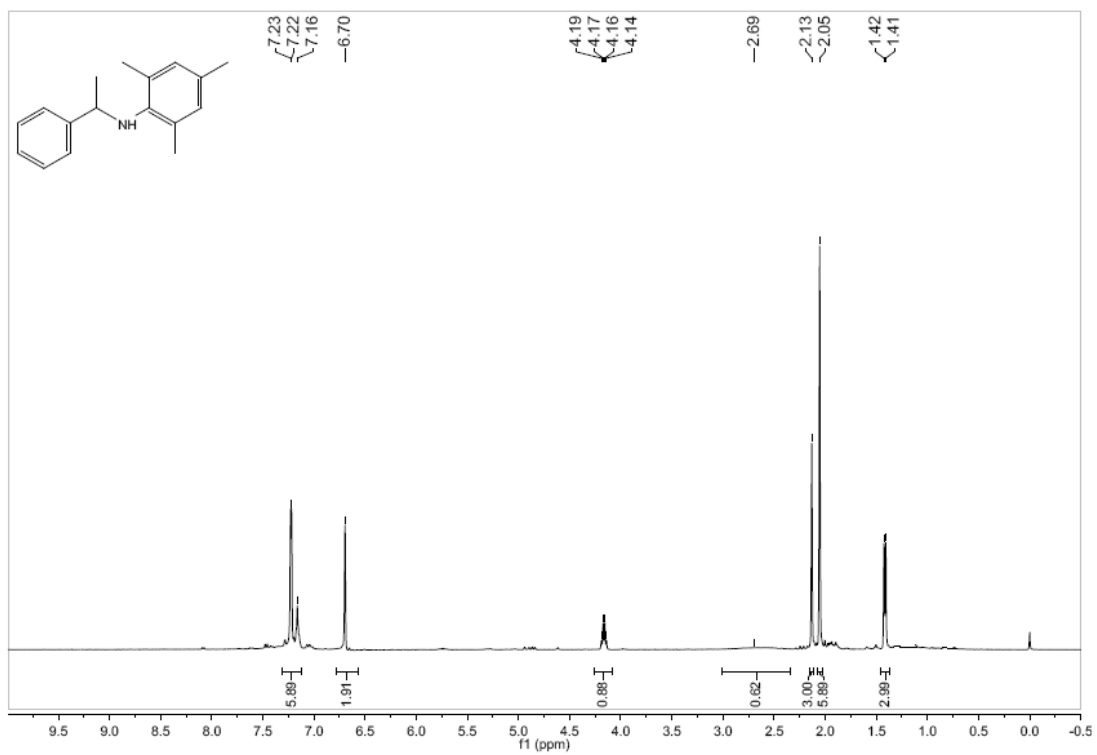
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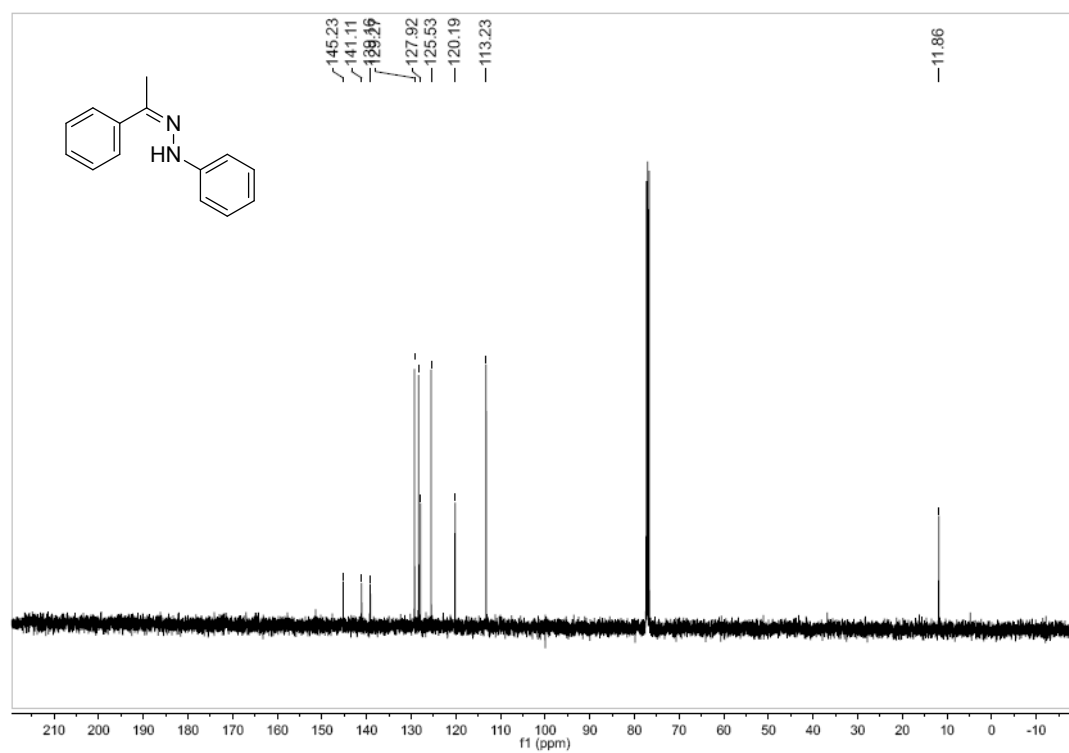
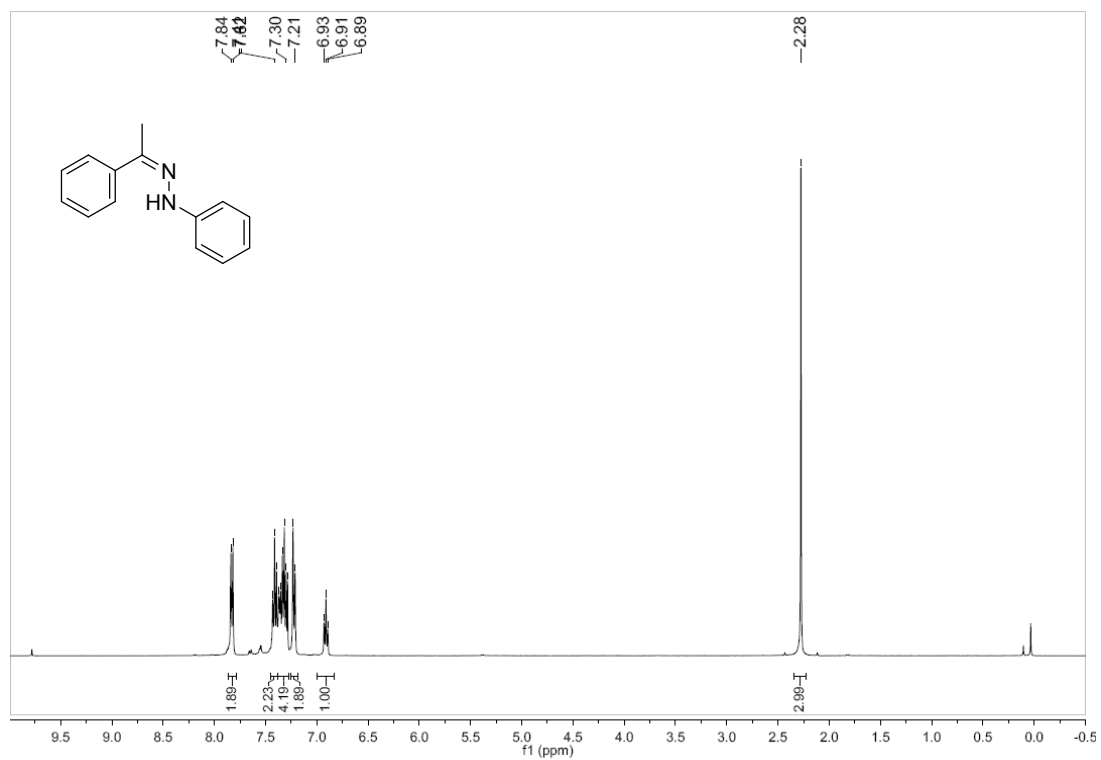
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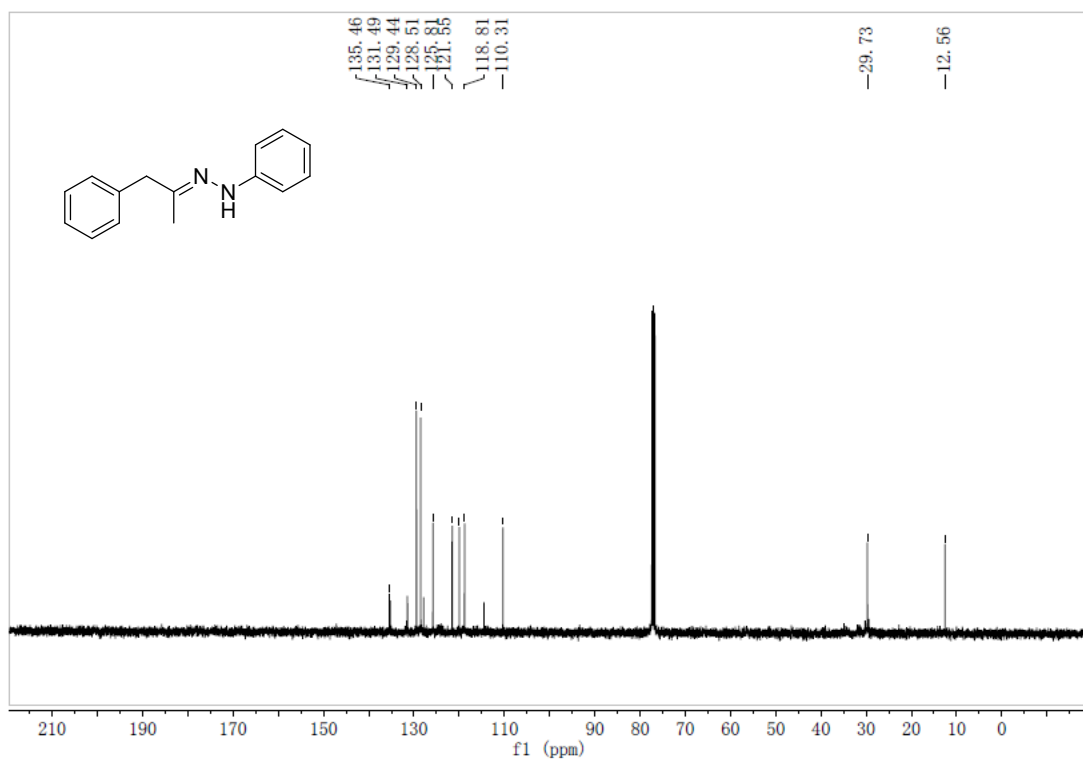
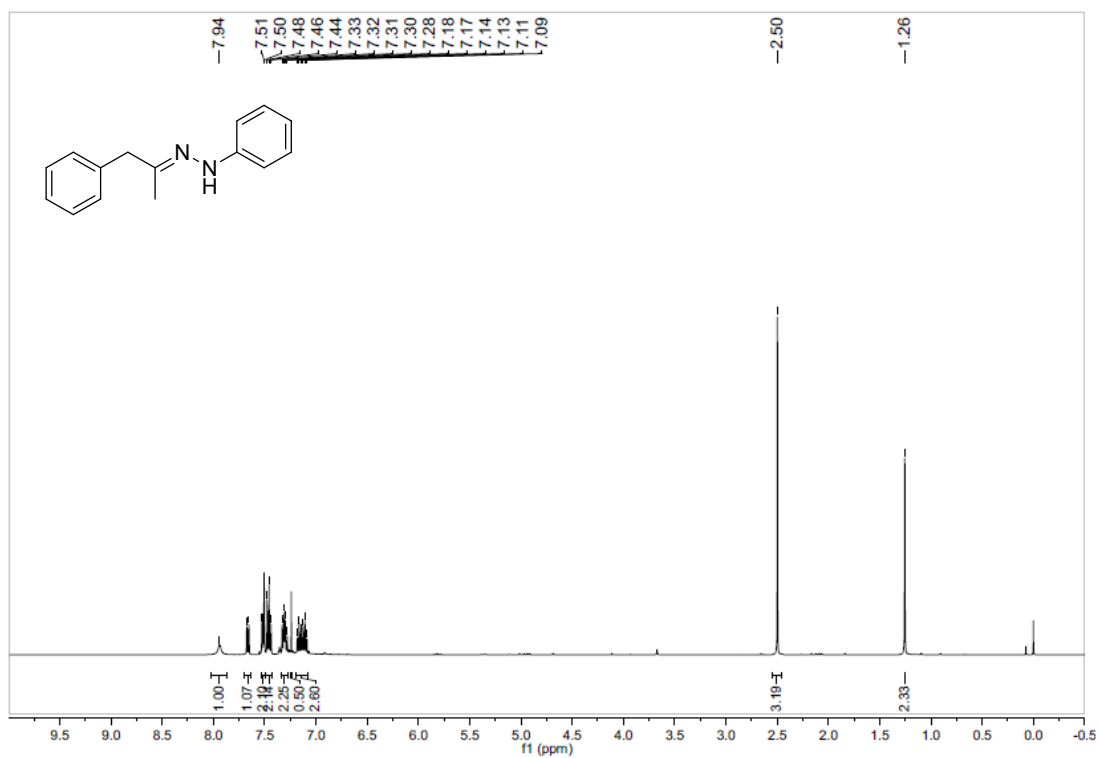
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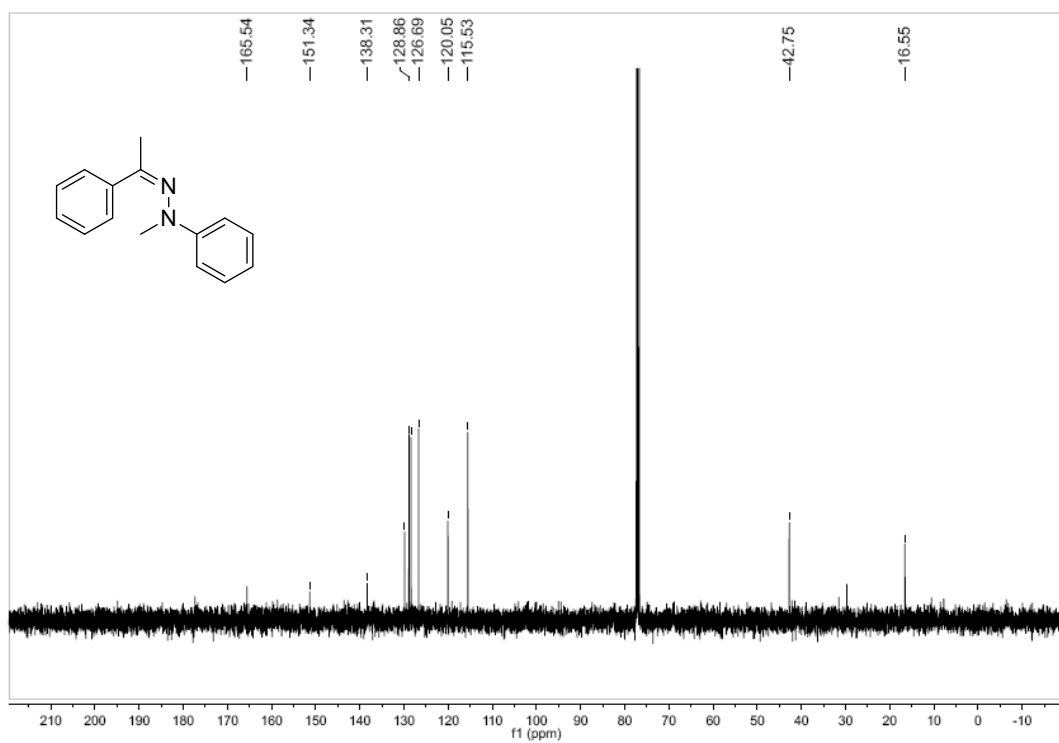
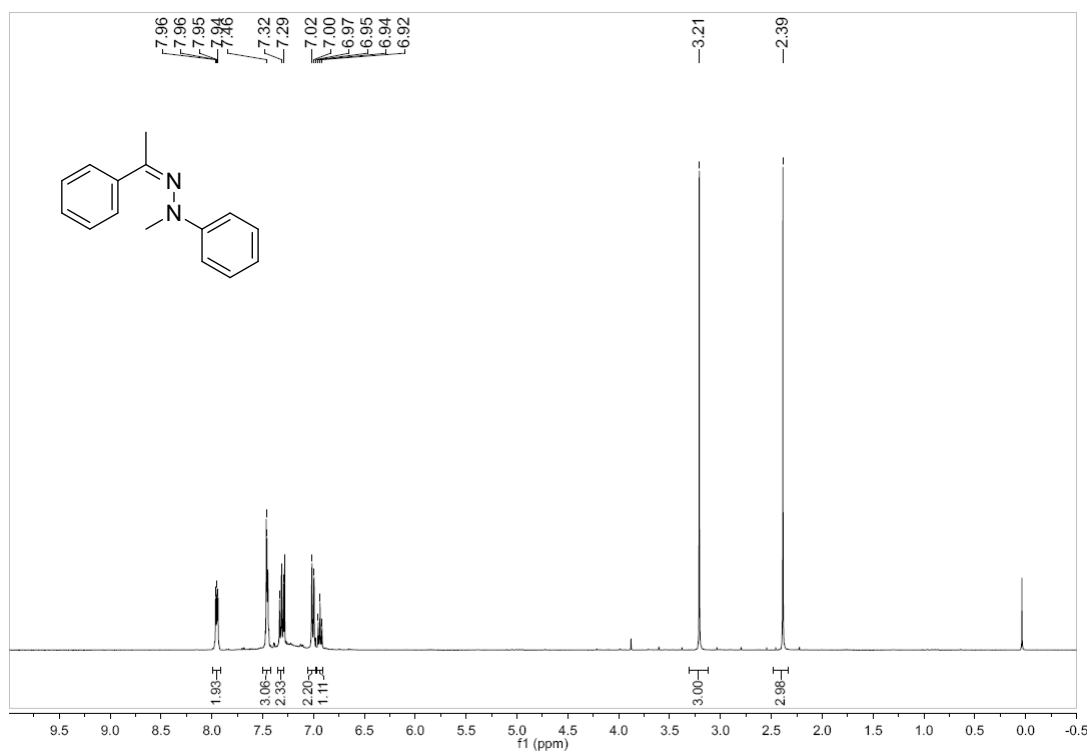
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12t



12u



14a

