

## Supporting Information

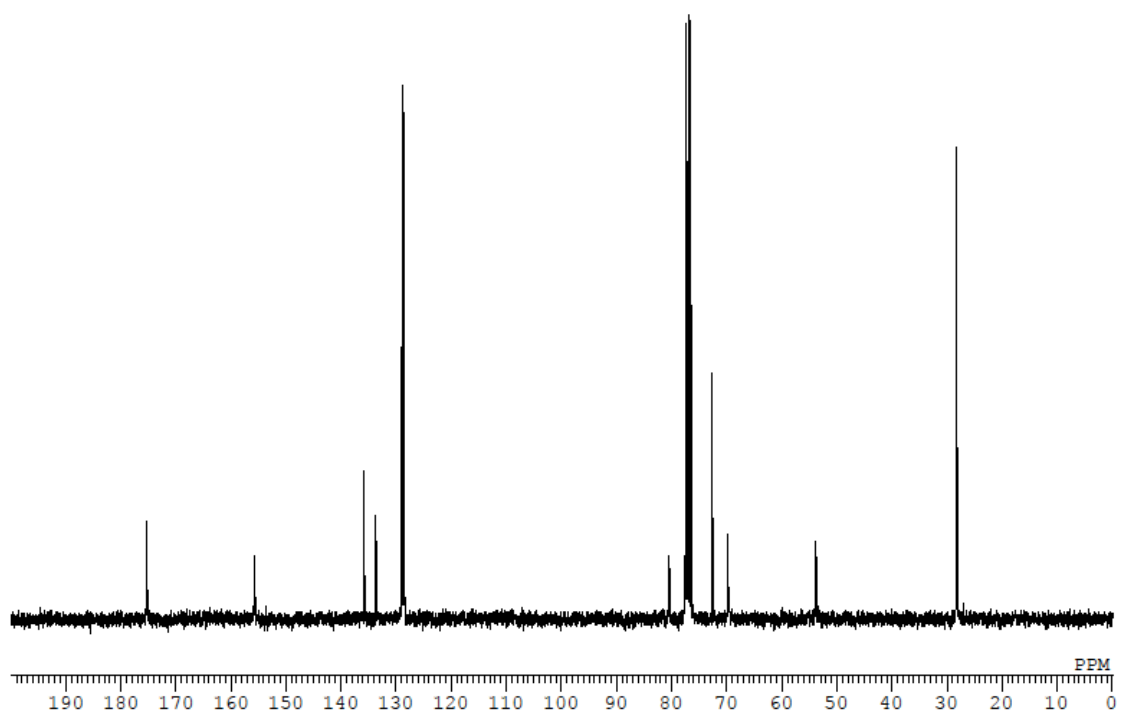
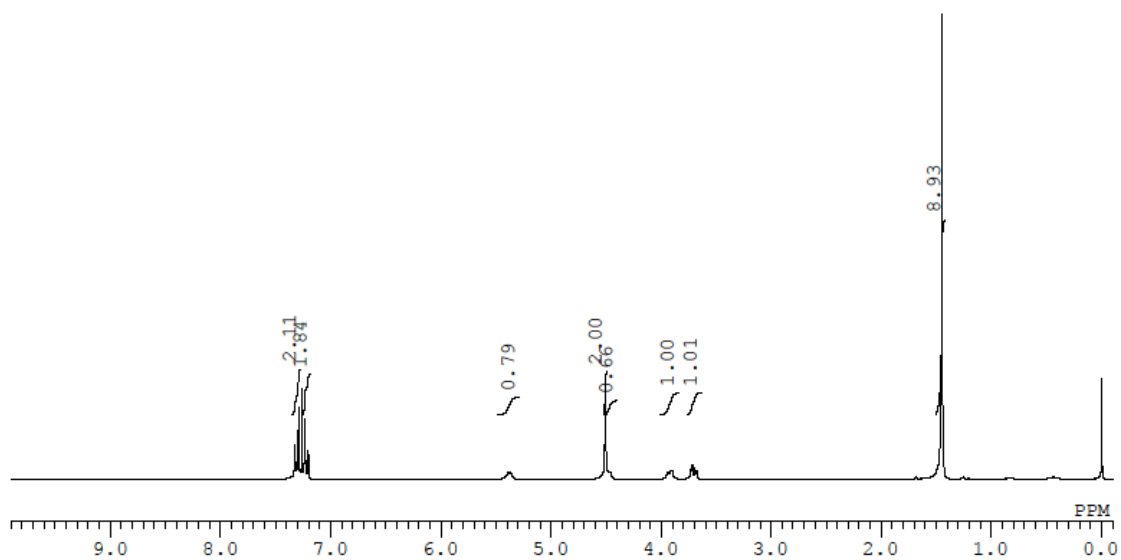
### SYNTHESIS OF PHOTOPHORE AND FLUOROPHORE MODIFIED *O*-BENZYL SERINE DERIVATIVES

Makoto Hashimoto,\* Takuma Yoshida, Zetryana Puteri  
Tachrim, Yasuko Sakihama, Yasuyuki Hashidoko,  
Yasumaru Hatanaka, and Yuichi Kanaoka

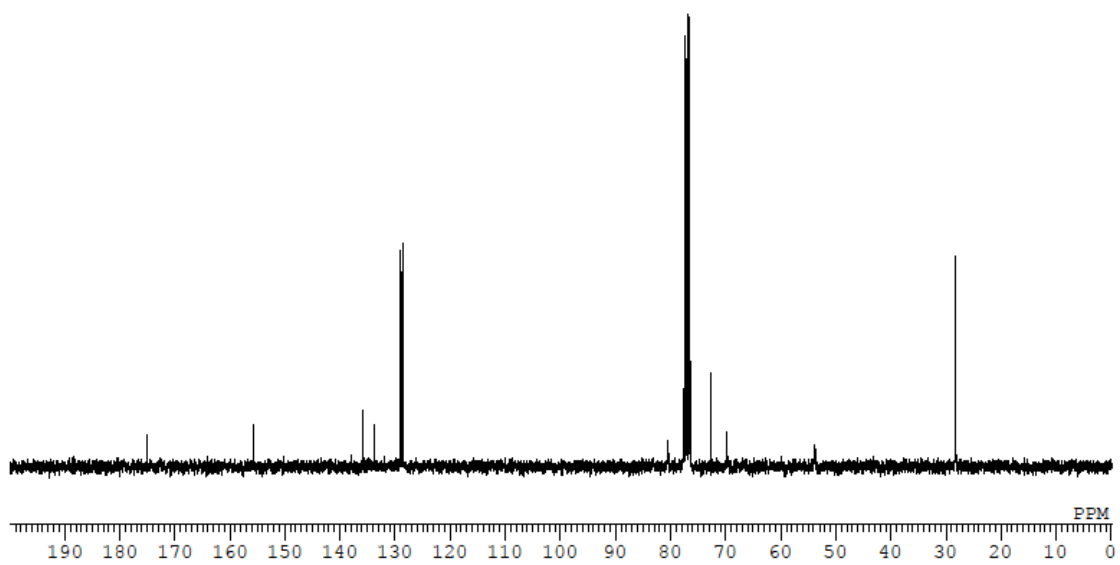
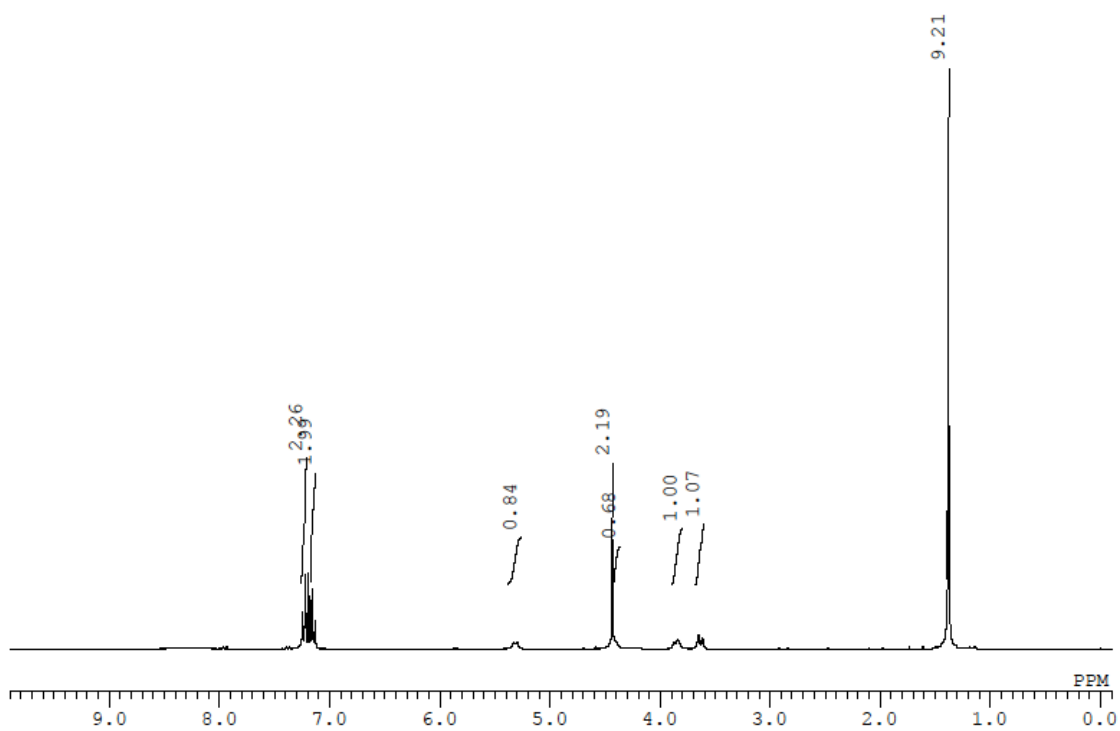
E-mail: [hasimoto@abs.agr.hokudai.ac.jp](mailto:hasimoto@abs.agr.hokudai.ac.jp).

<sup>1</sup>H and <sup>13</sup>C NMR

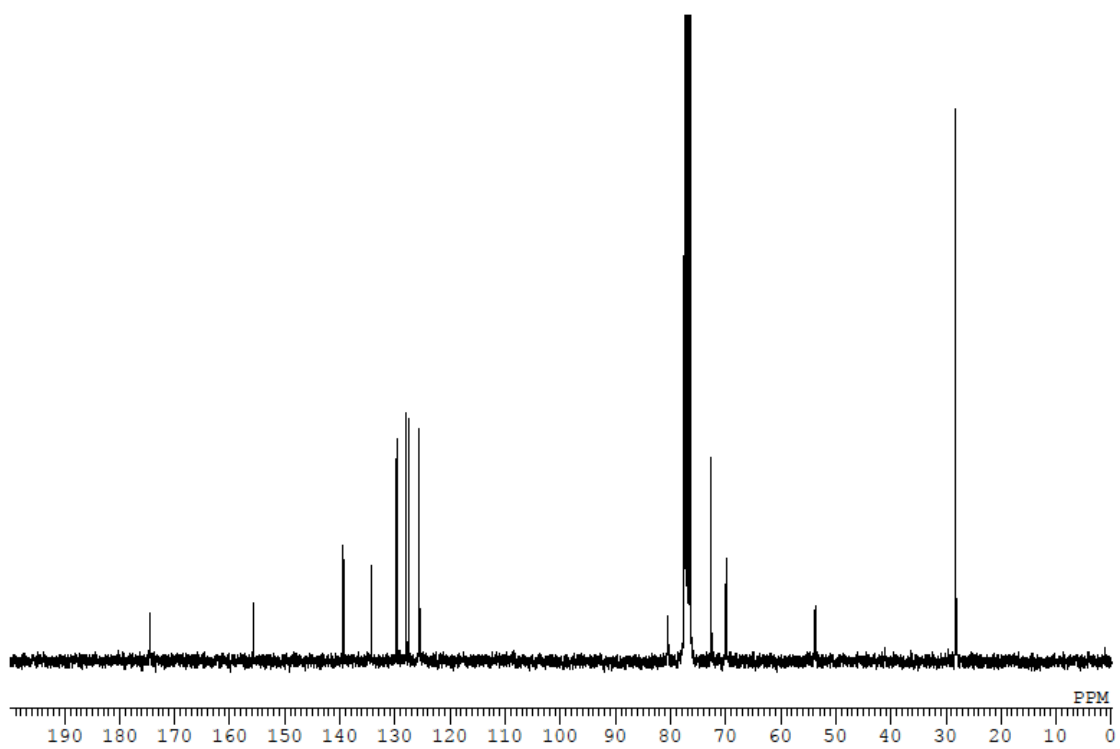
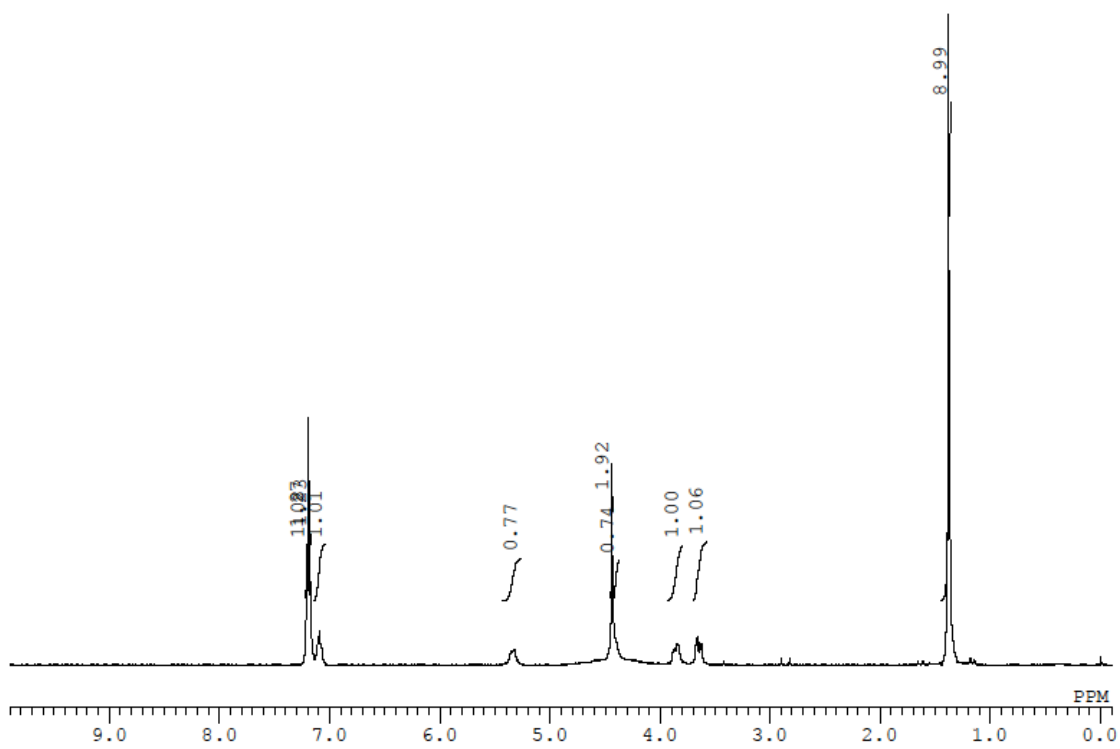
Boc-L-Ser(4-ClBn) (L-4a)



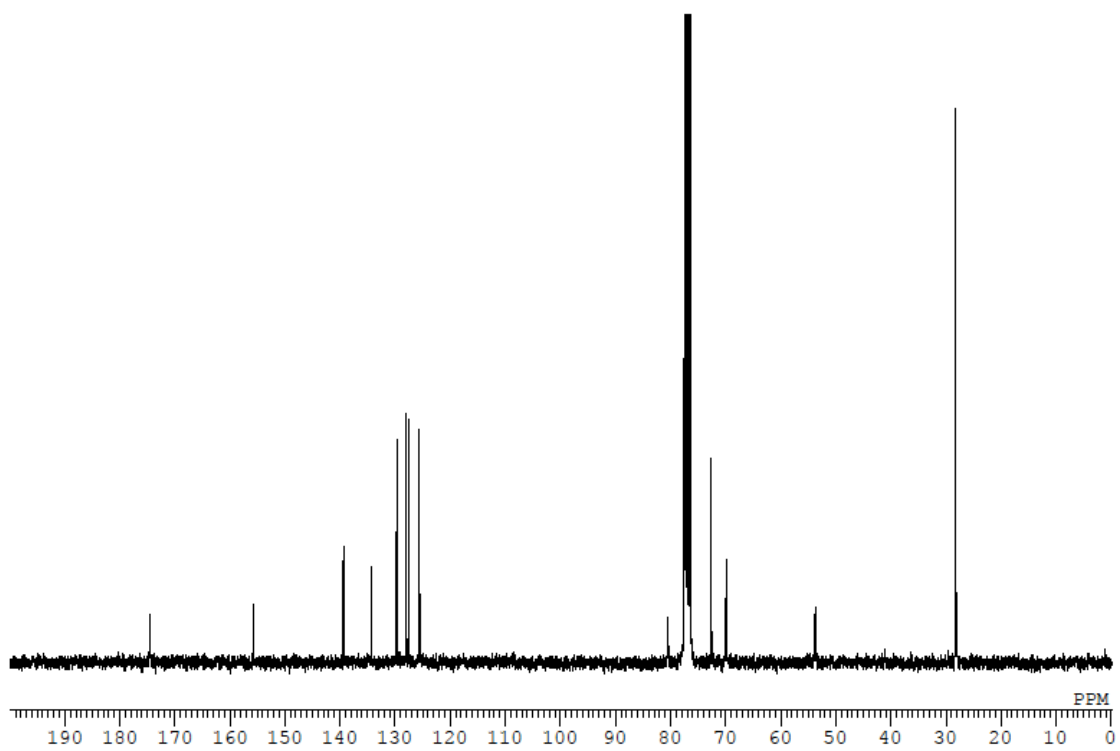
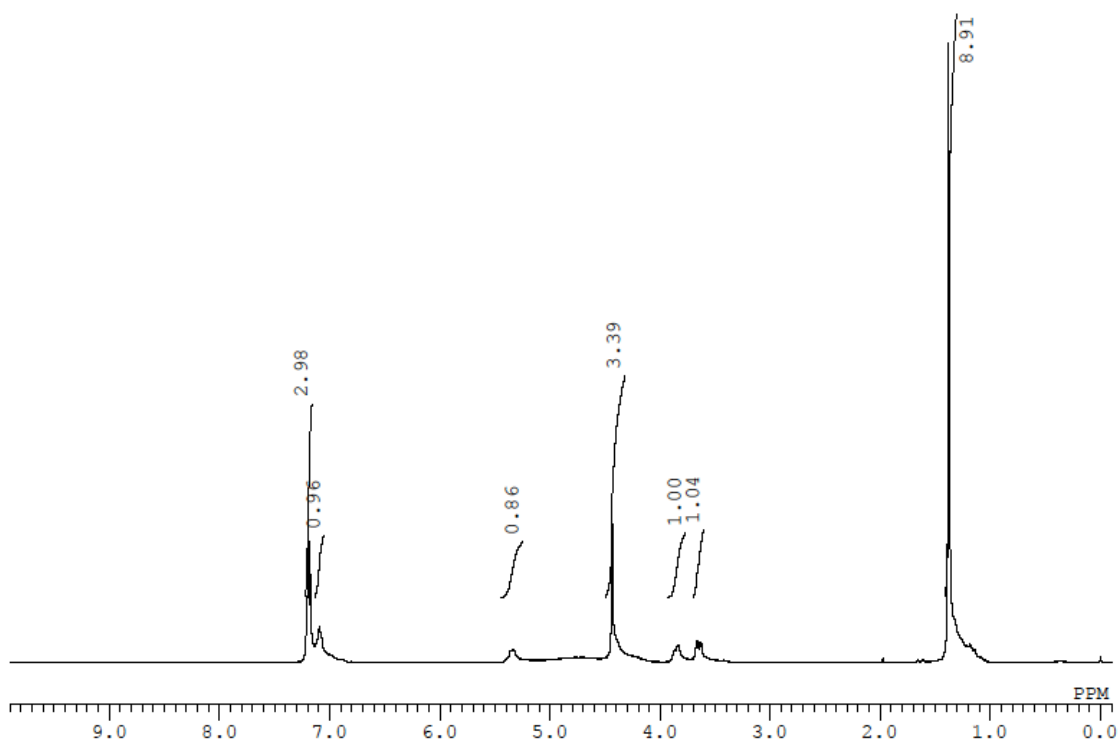
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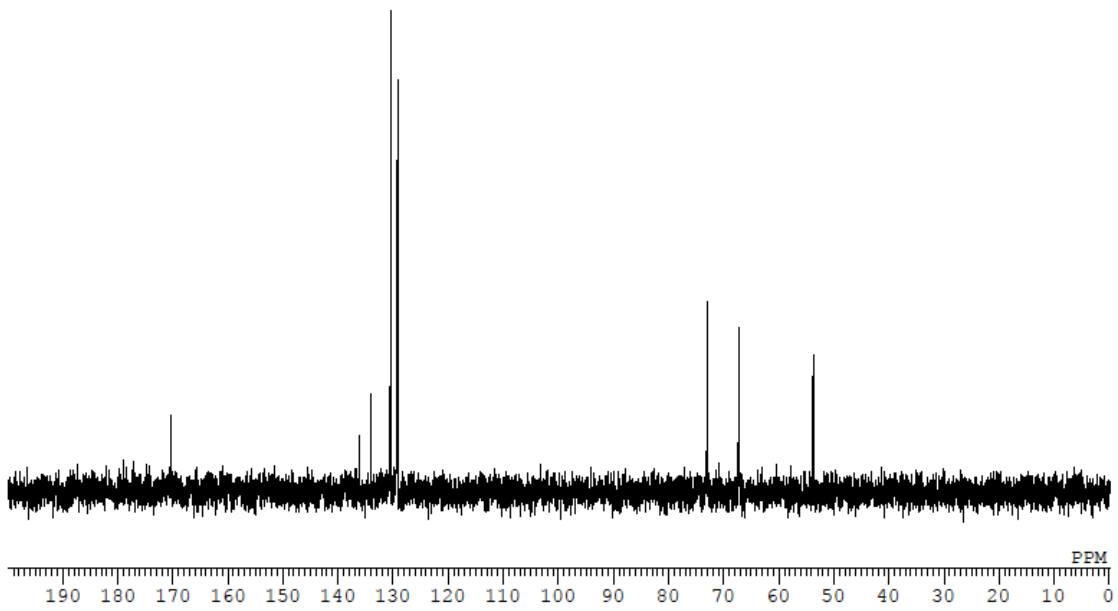
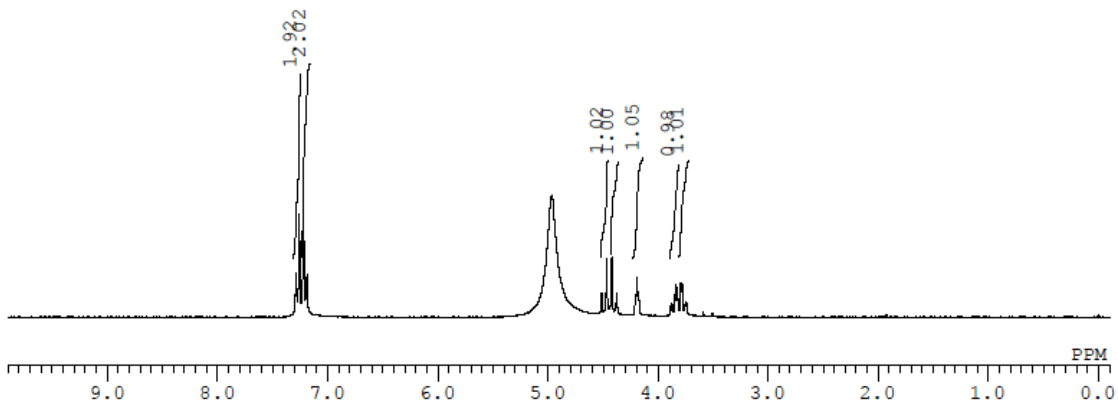
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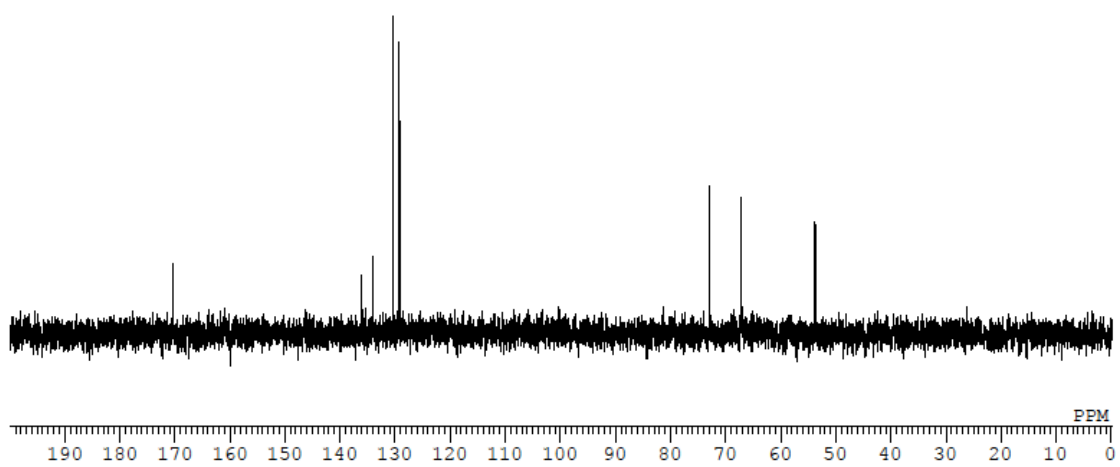
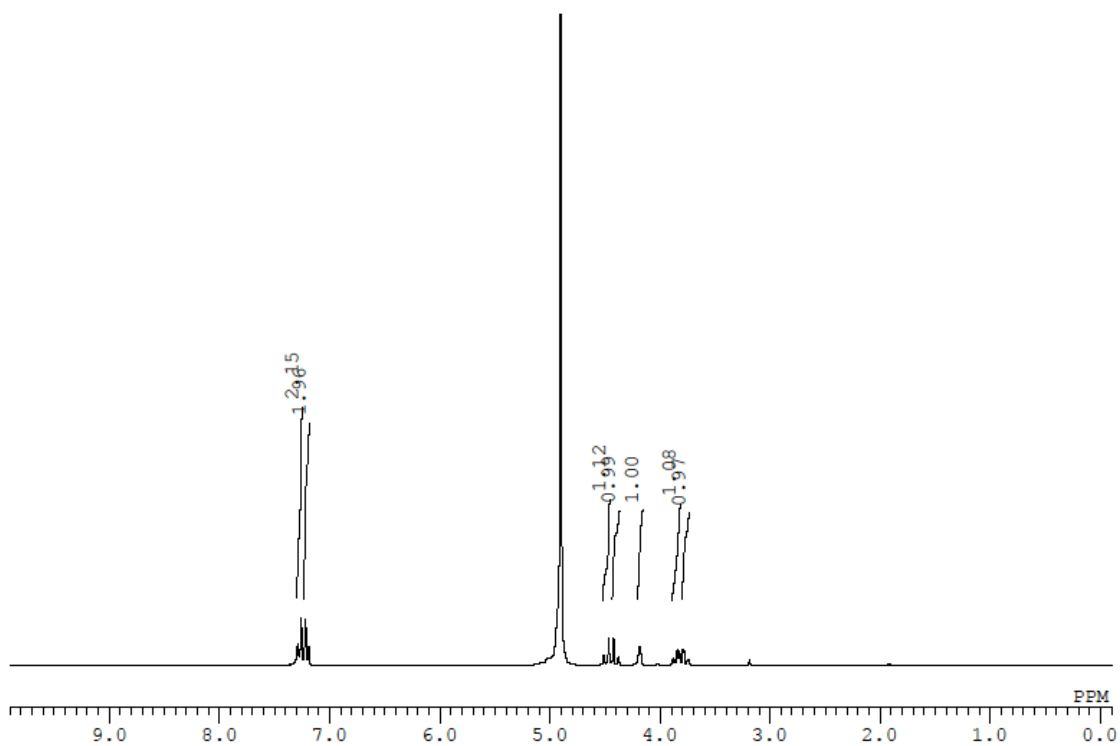
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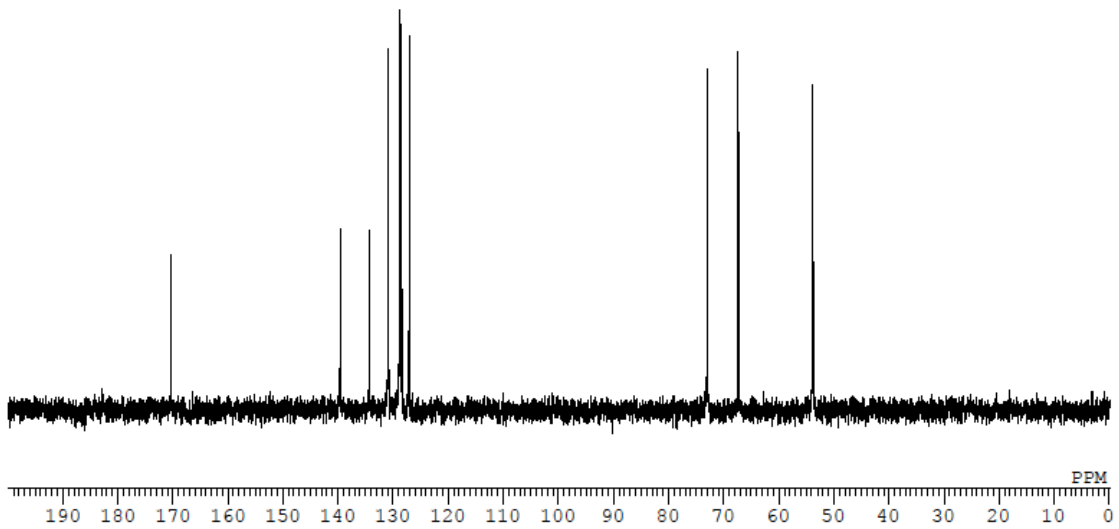
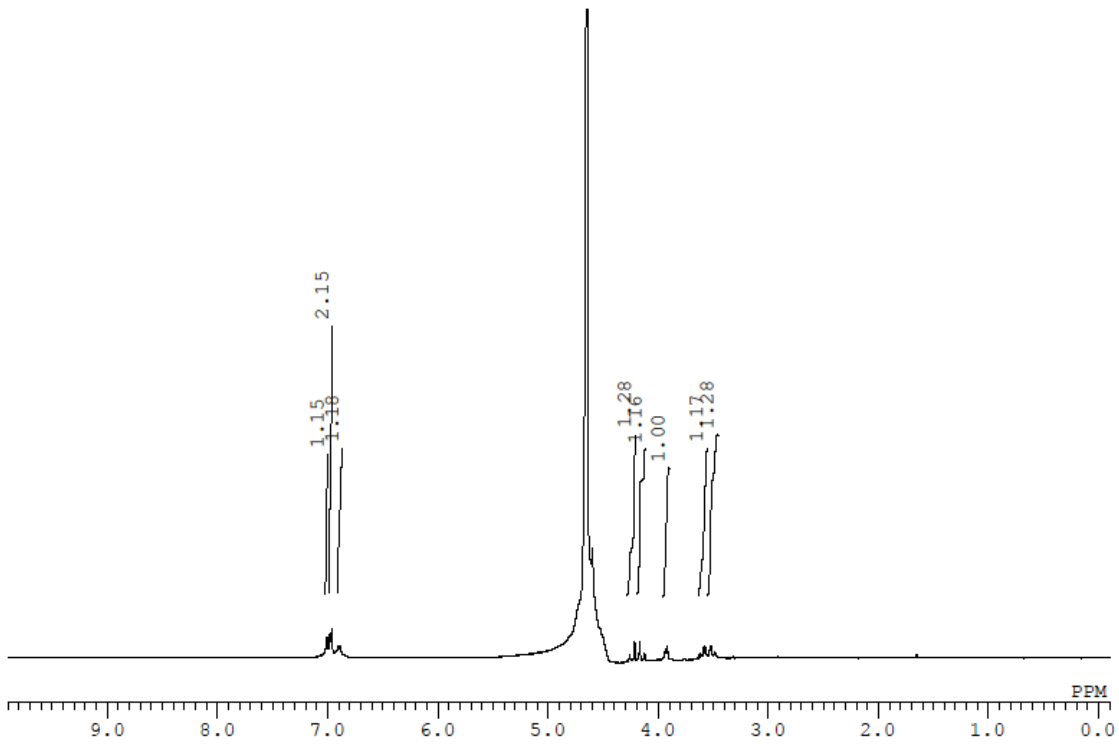
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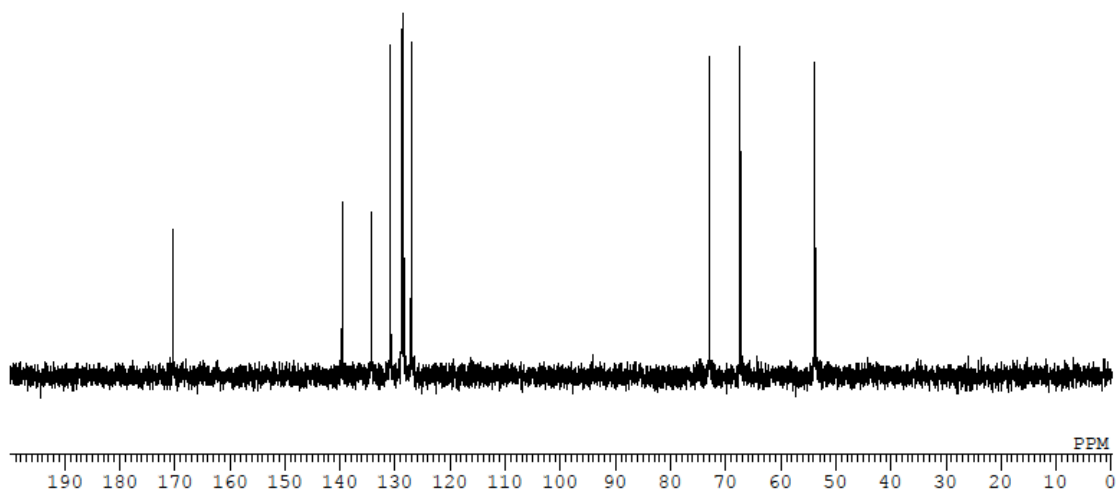
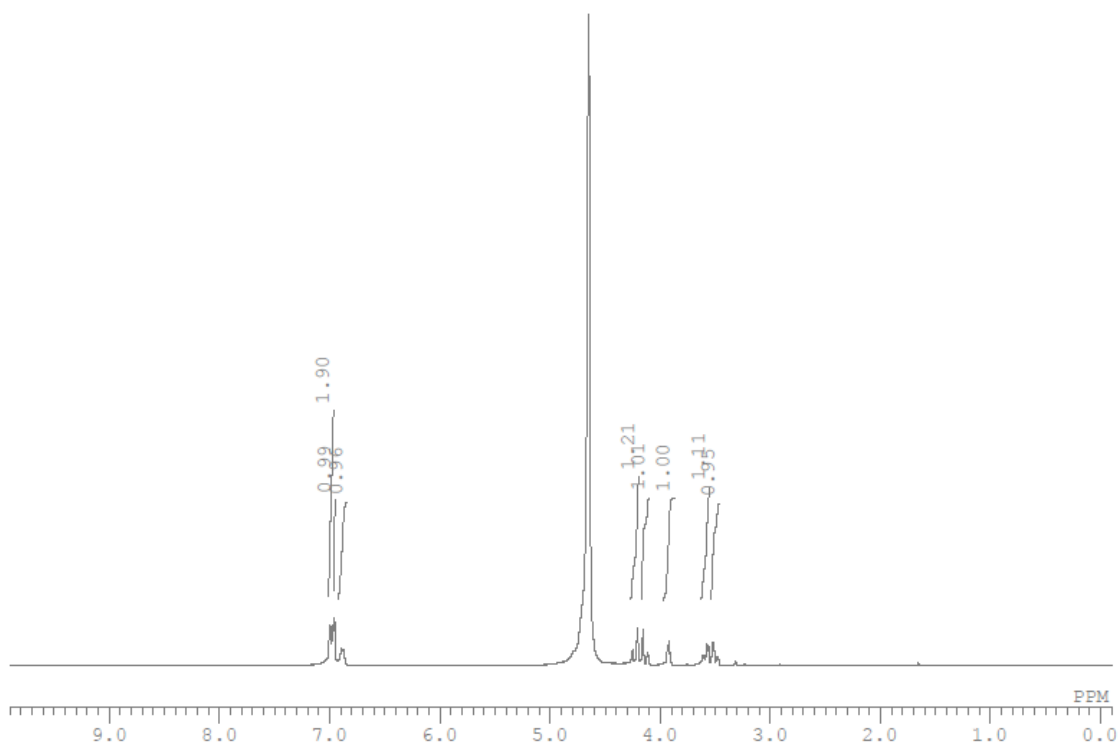
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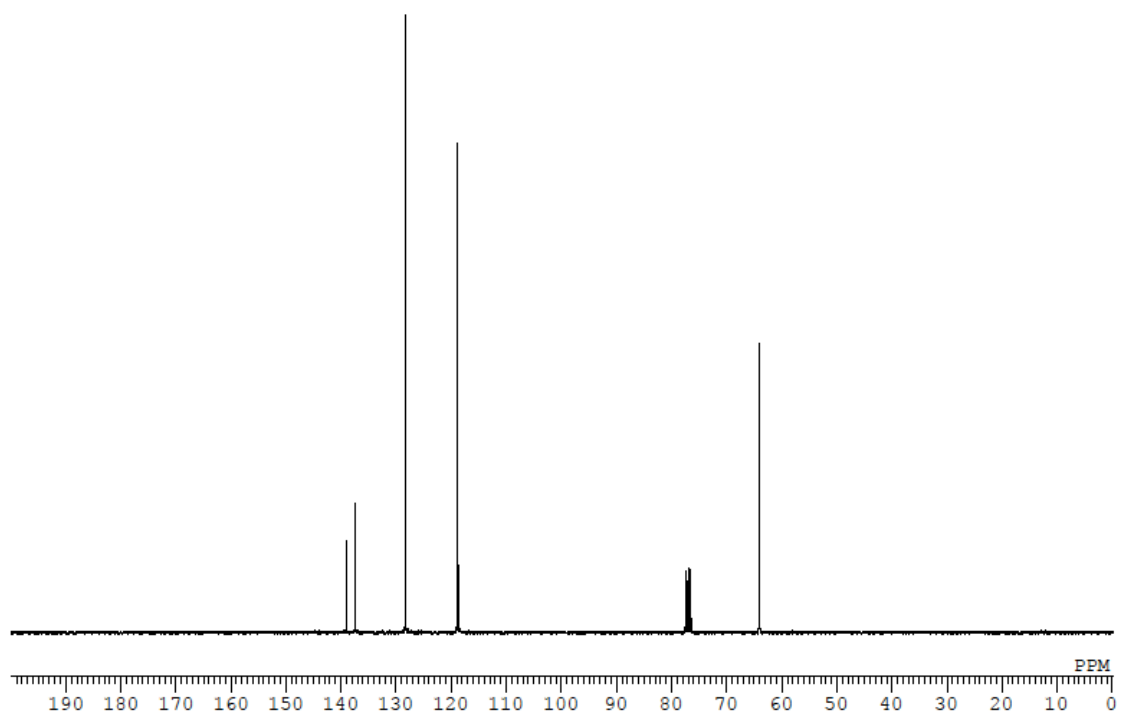
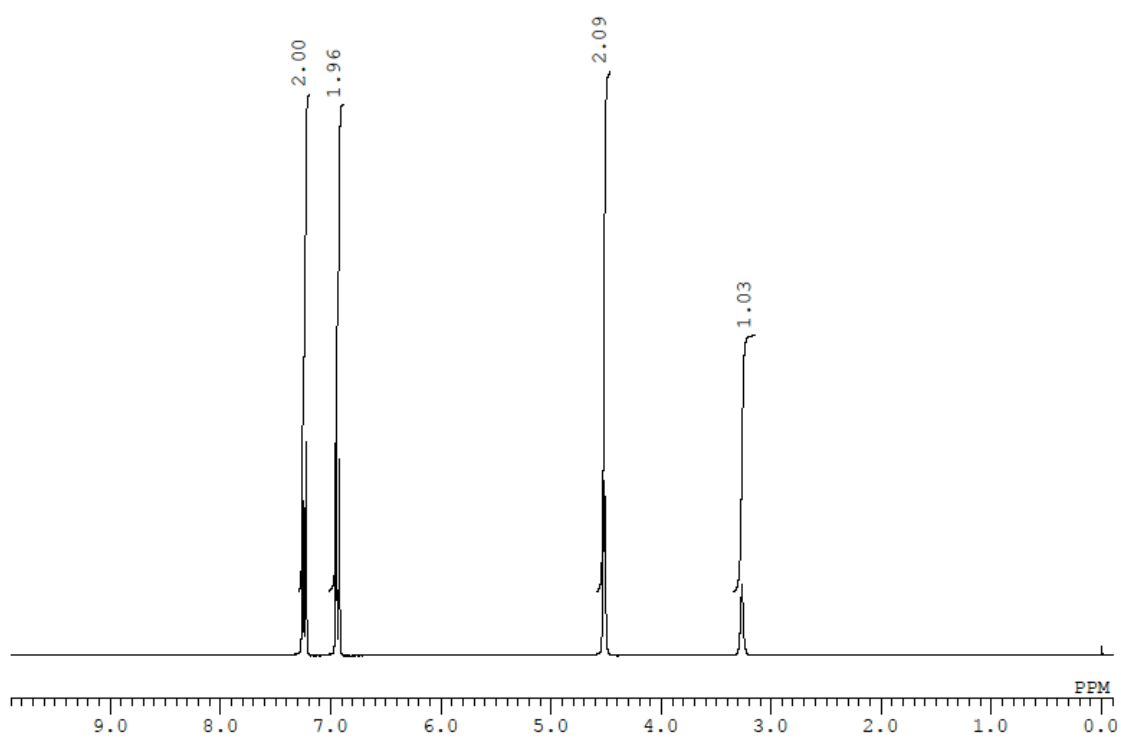
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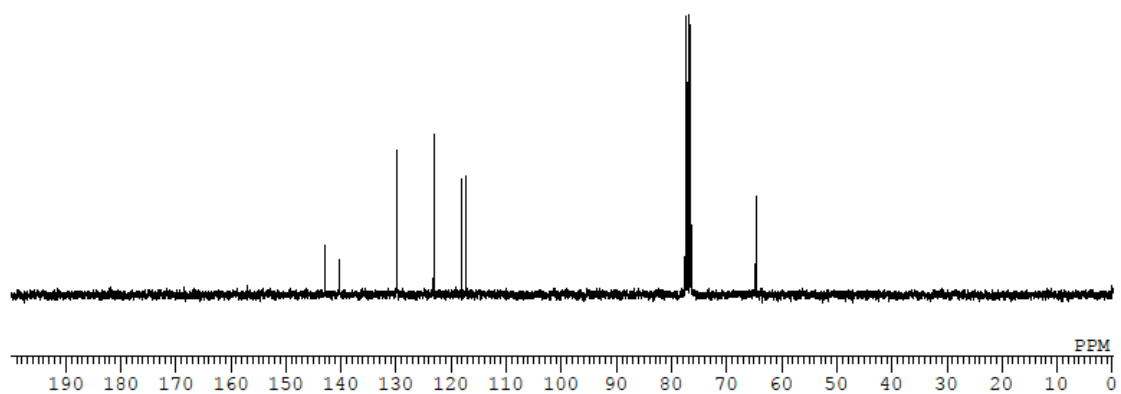
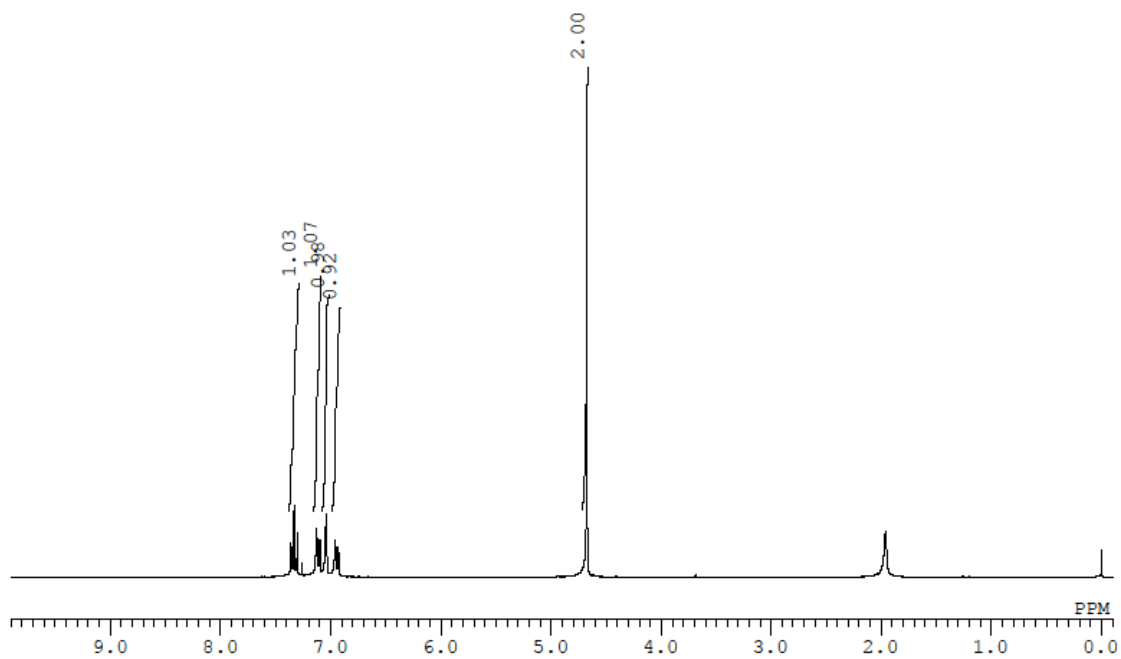
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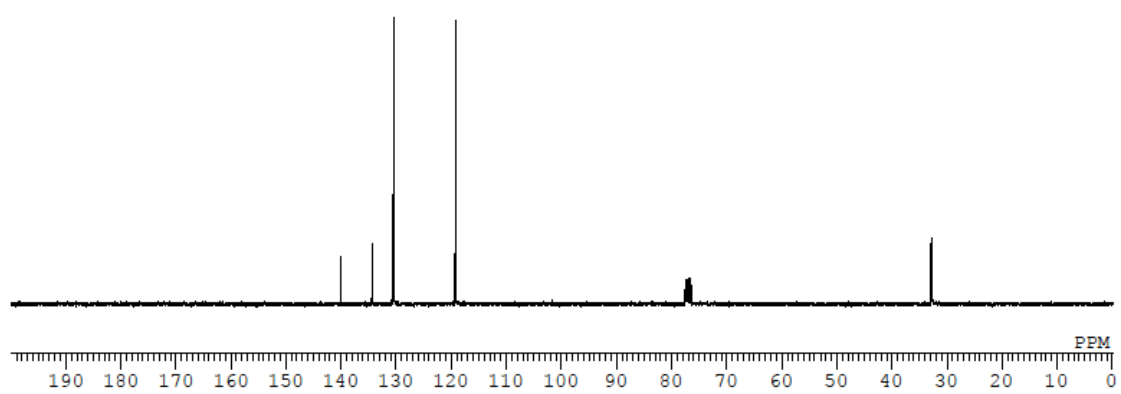
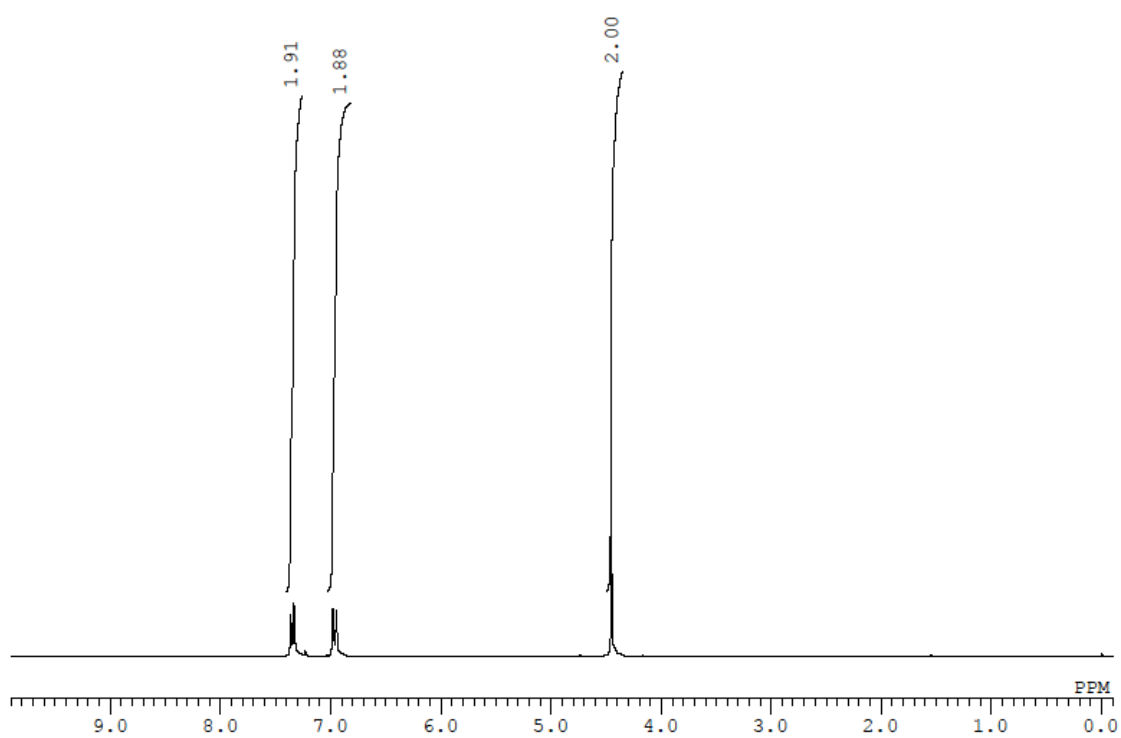
(4-azidophenyl)methanol (7a)



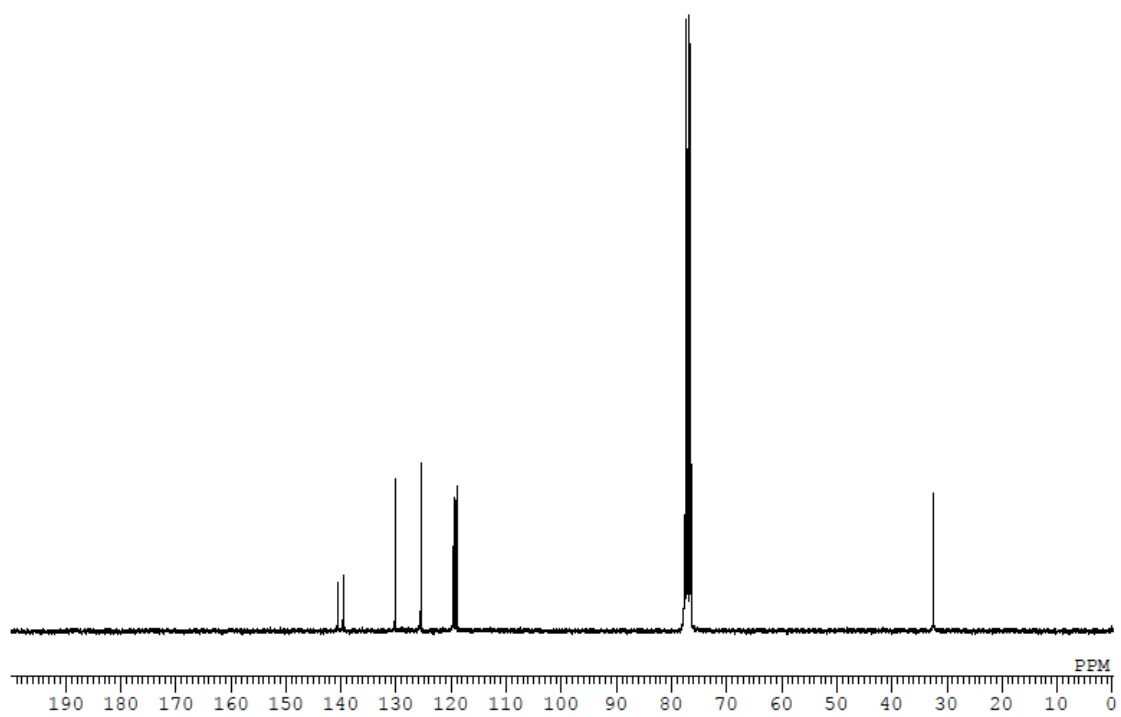
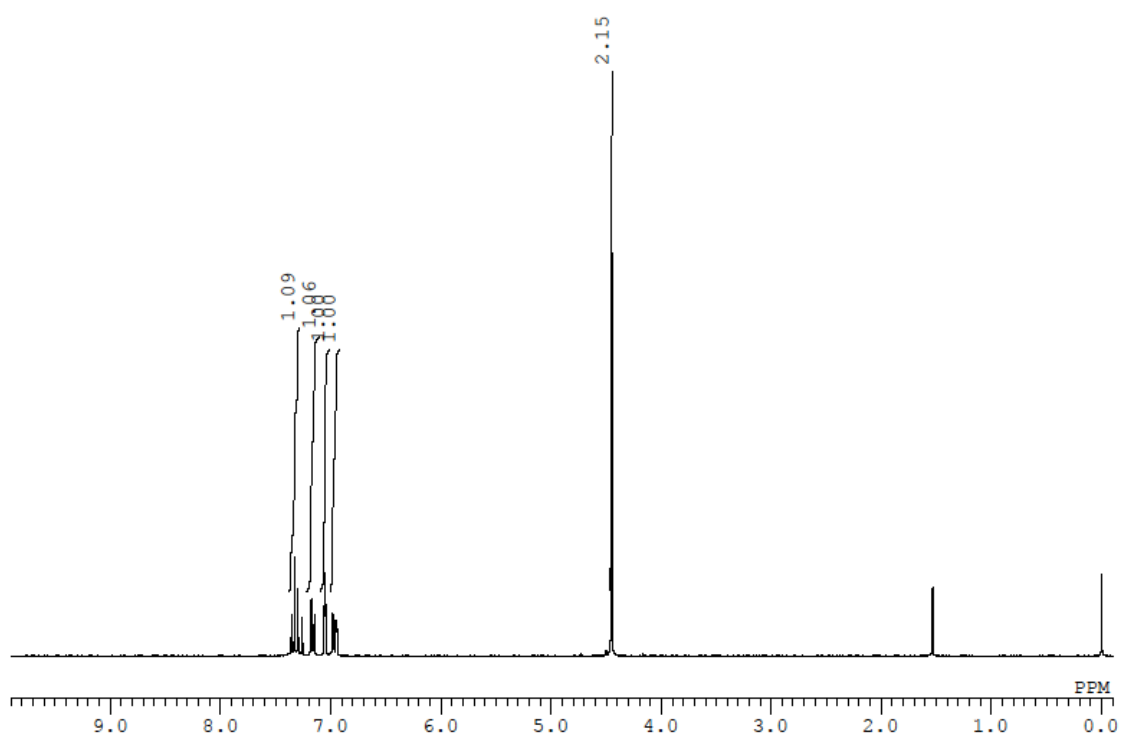
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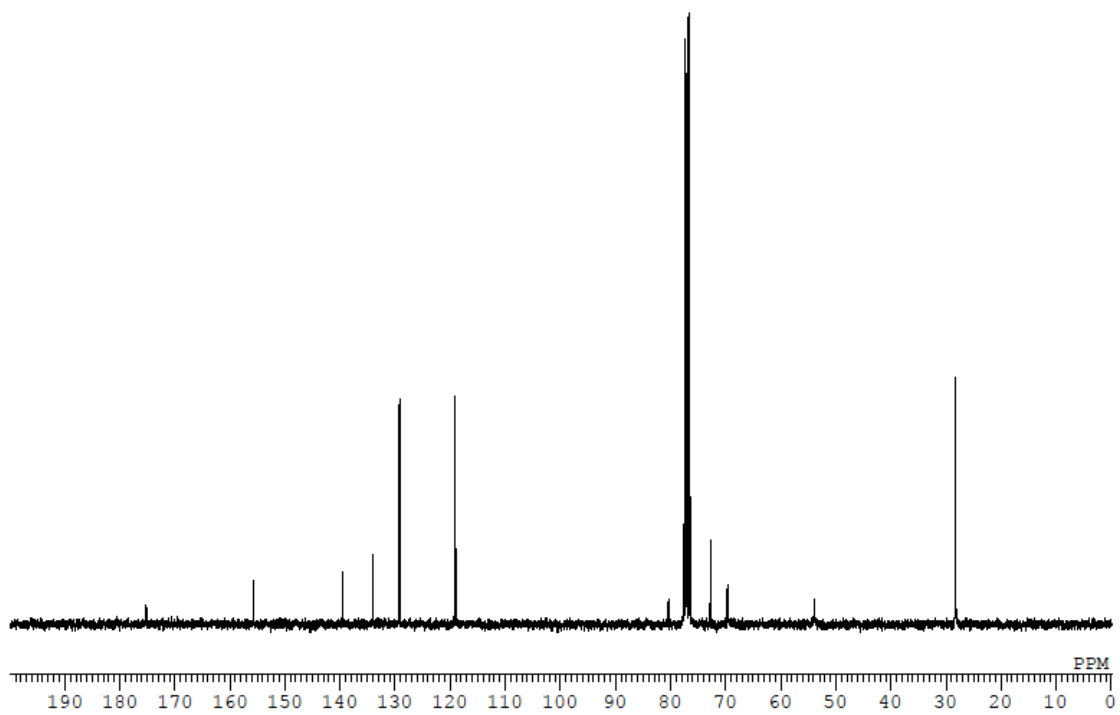
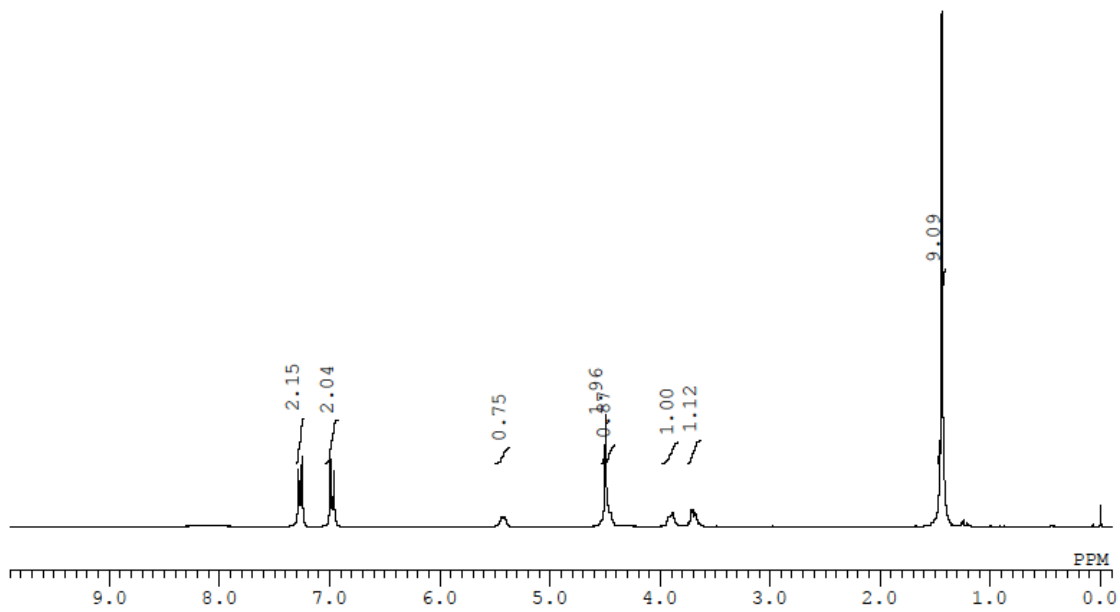
1-azido-4-(bromomethyl)benzene (8a)



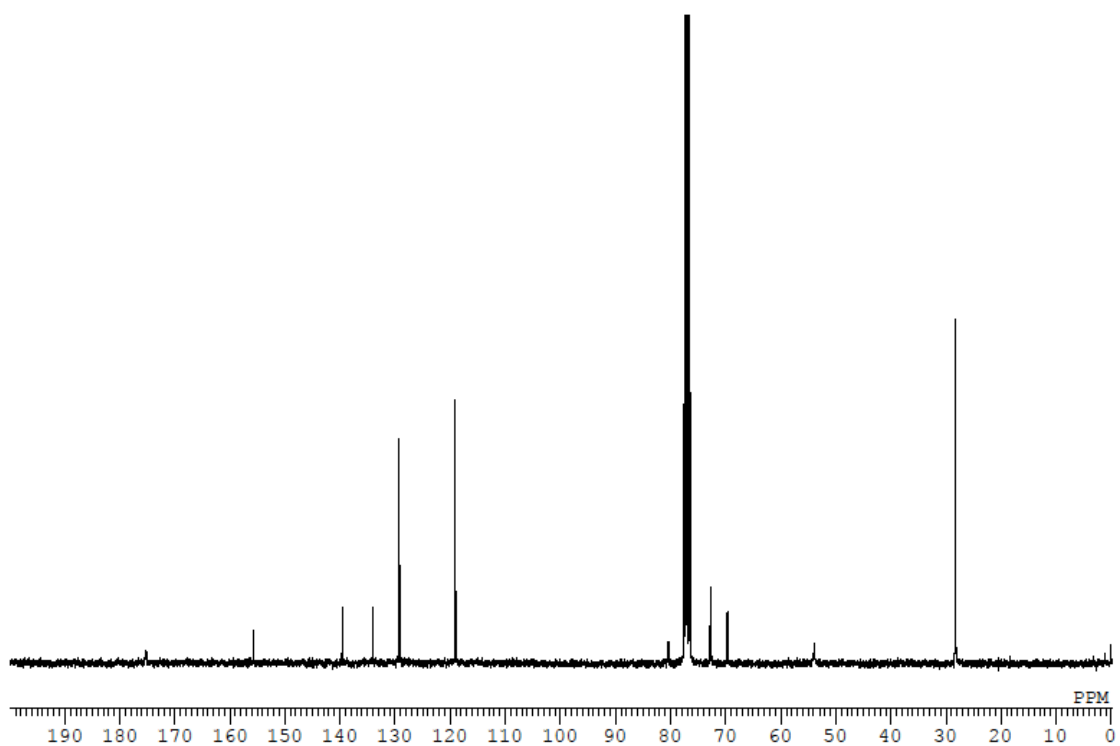
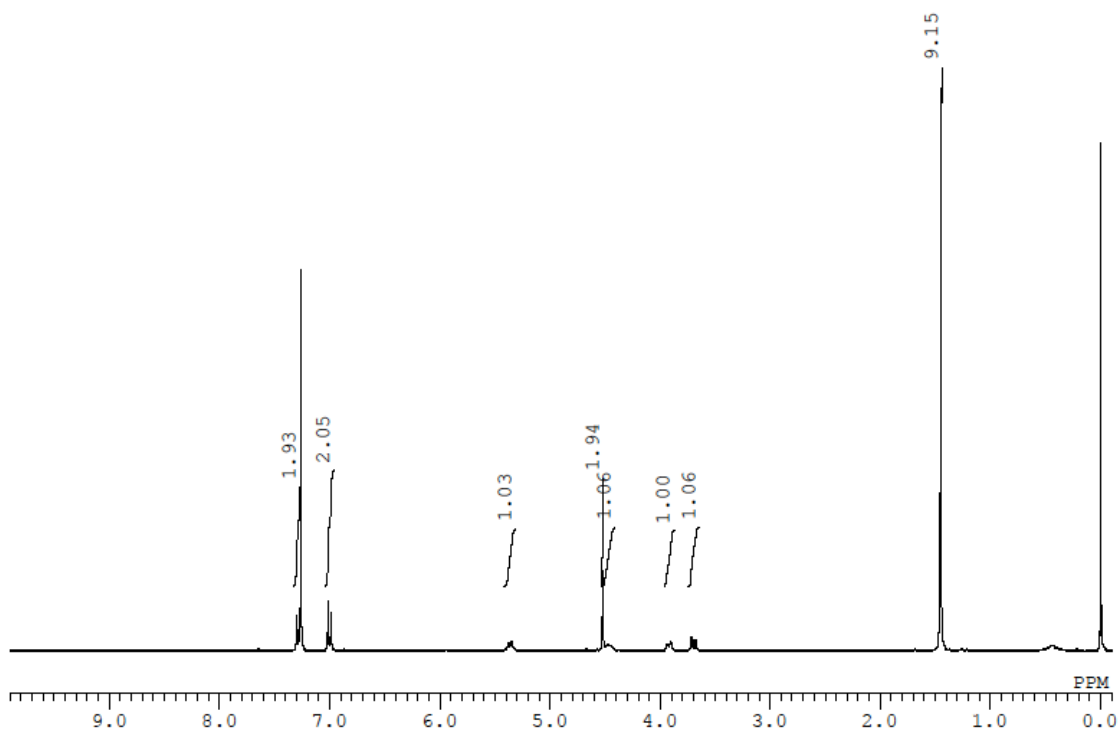
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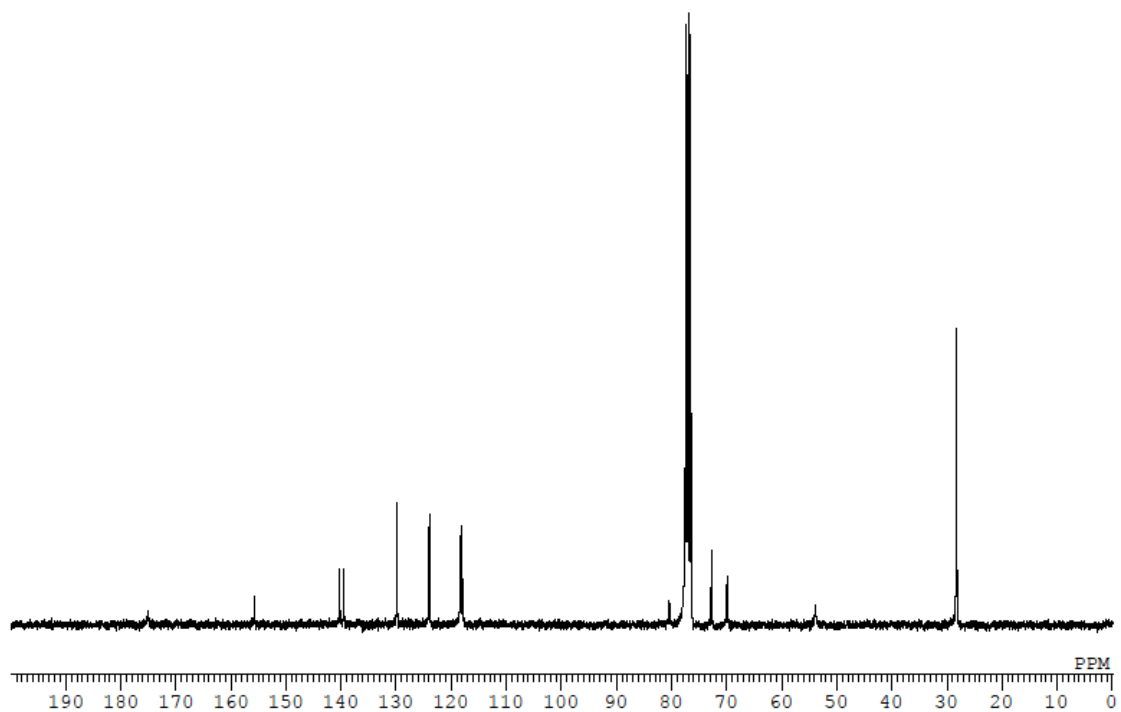
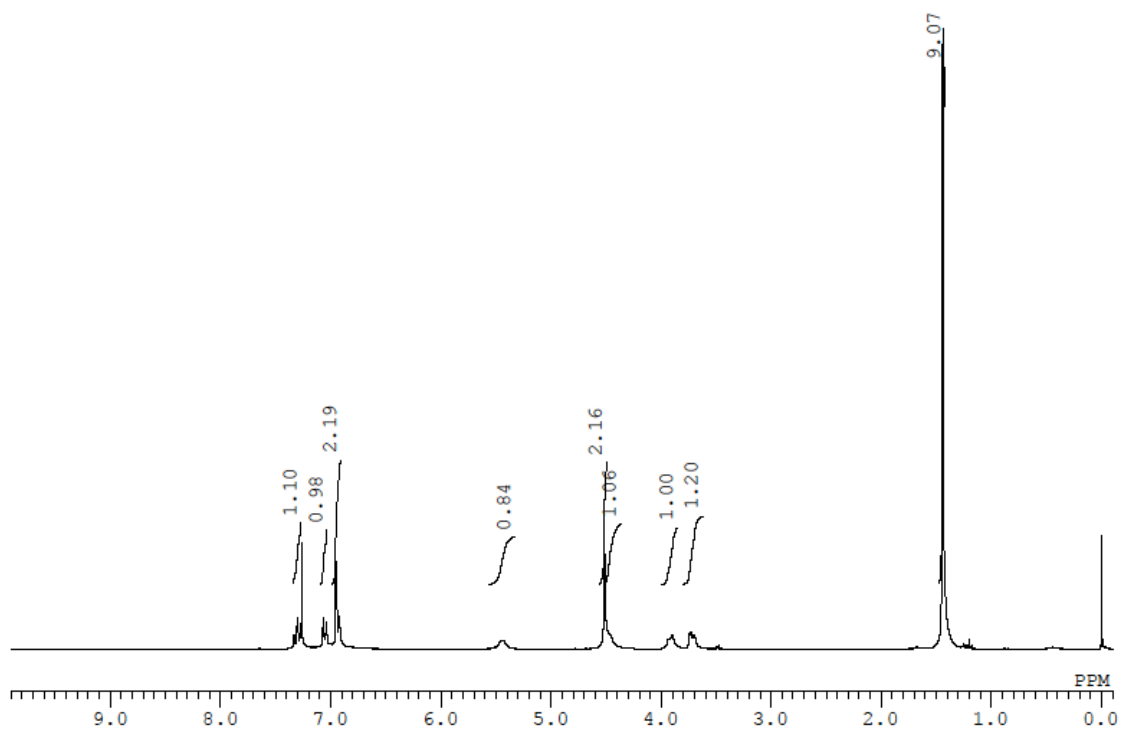
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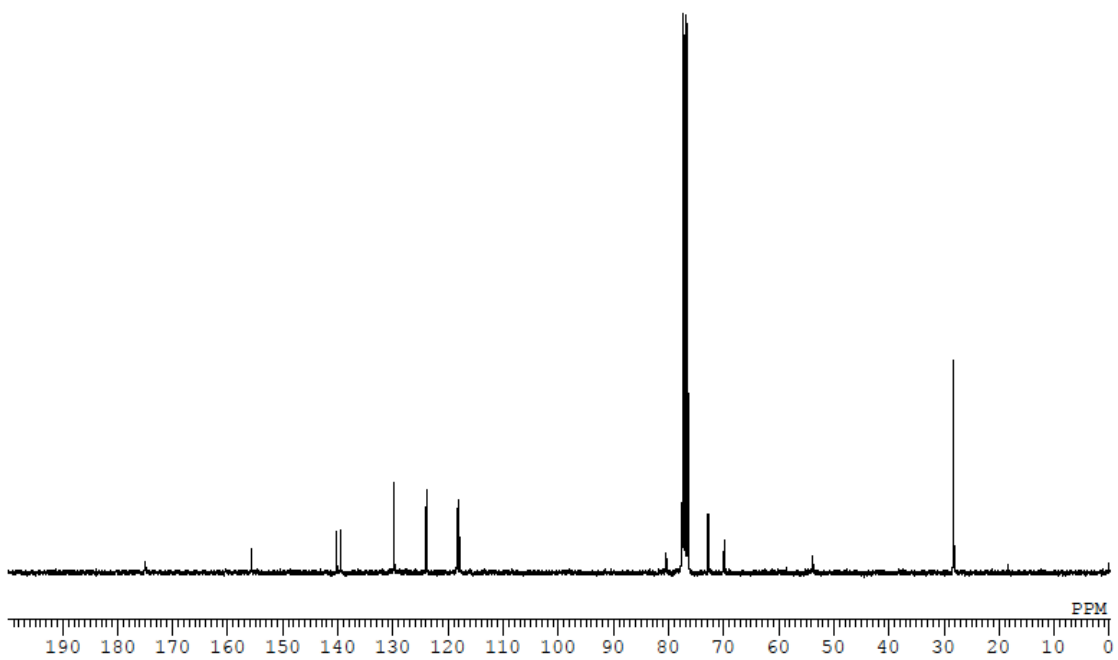
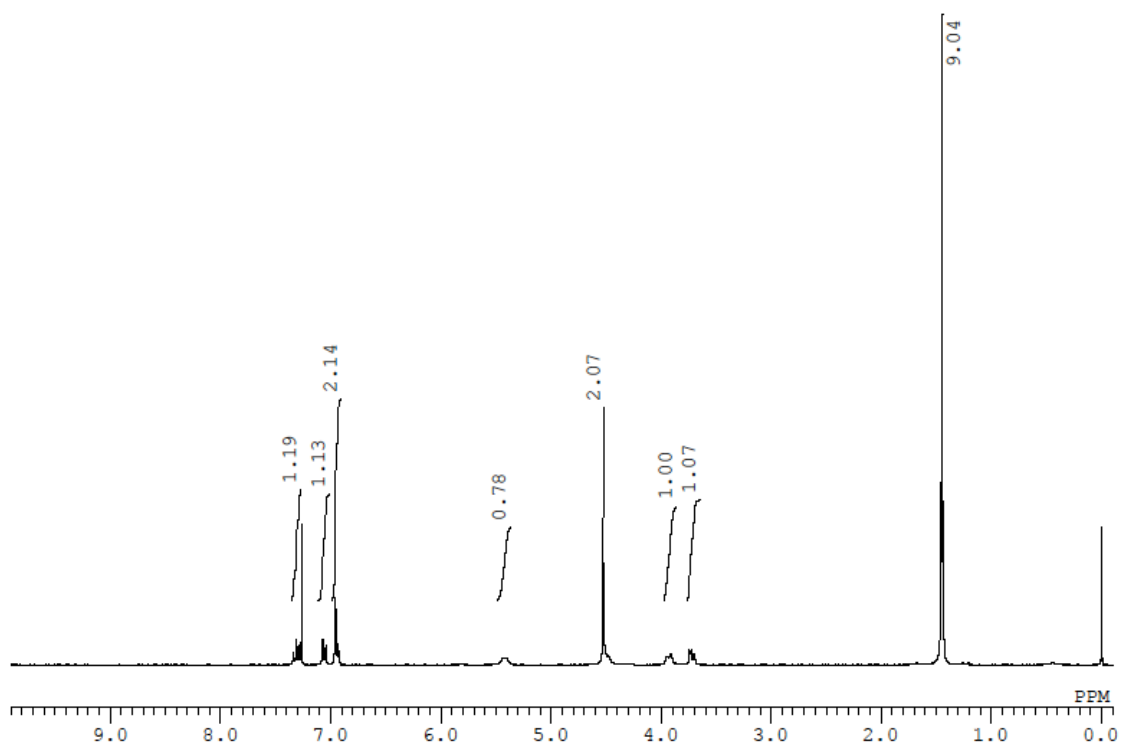
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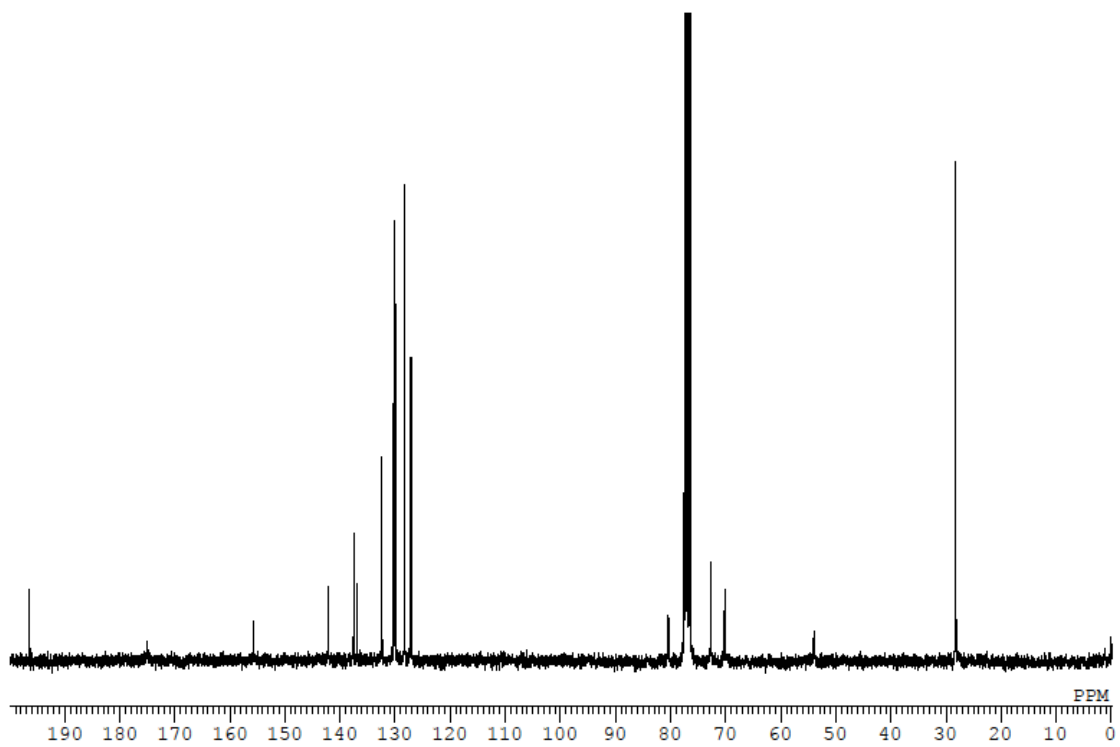
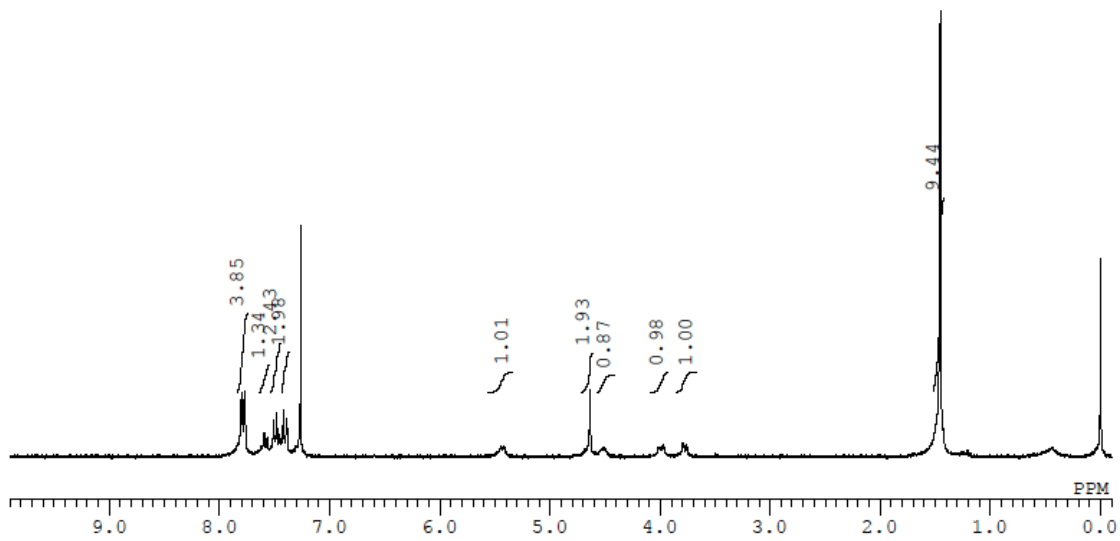
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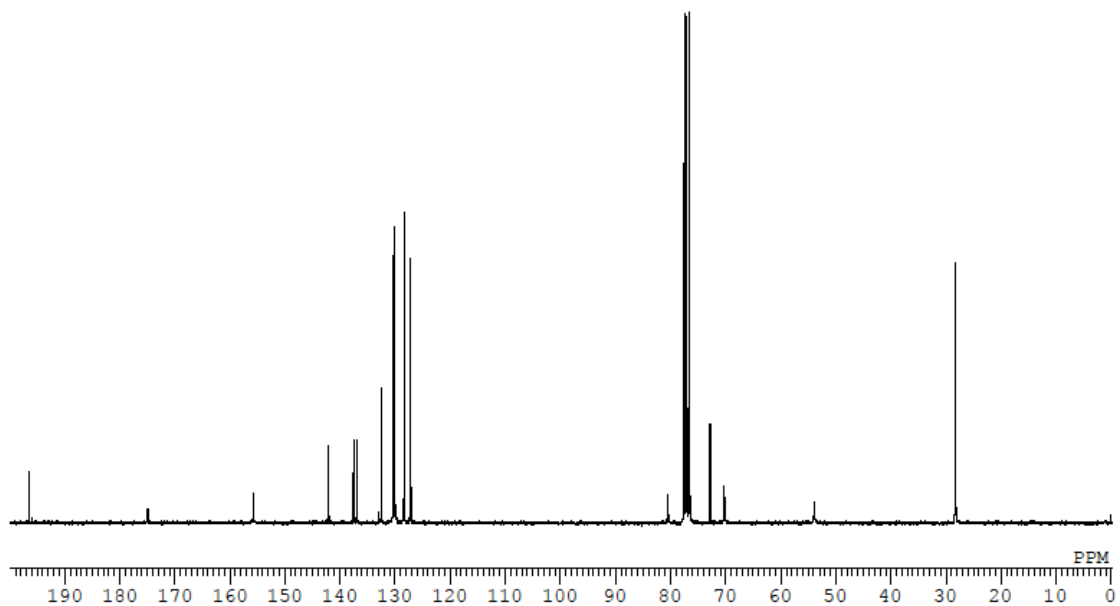
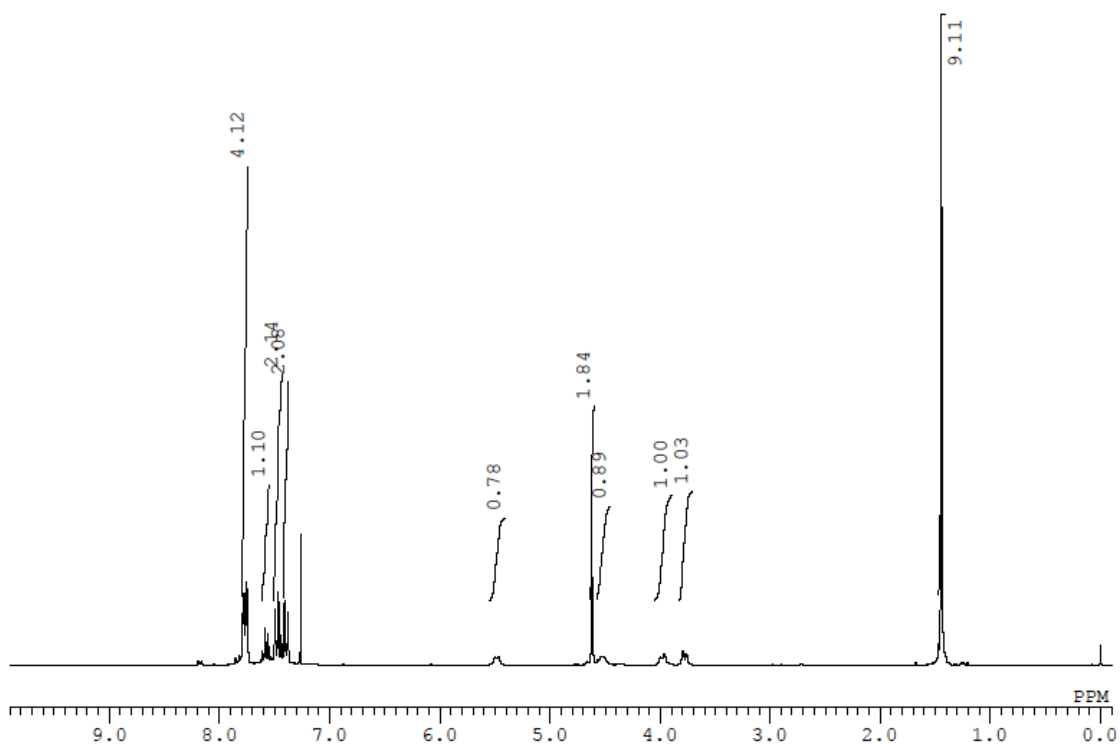
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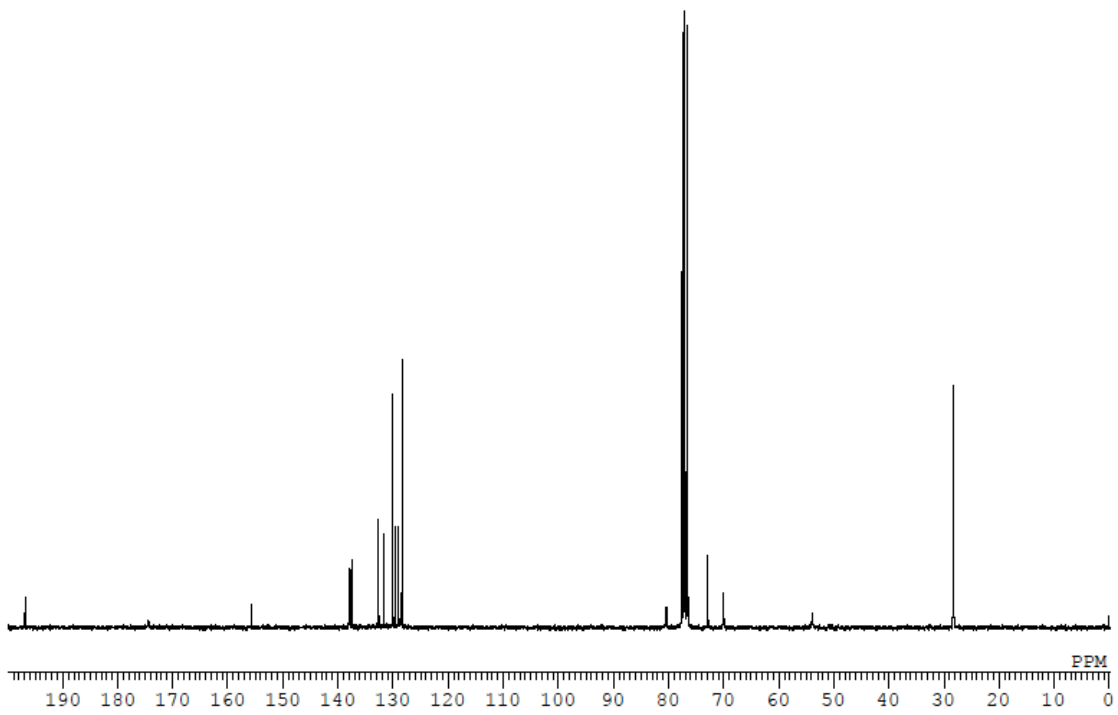
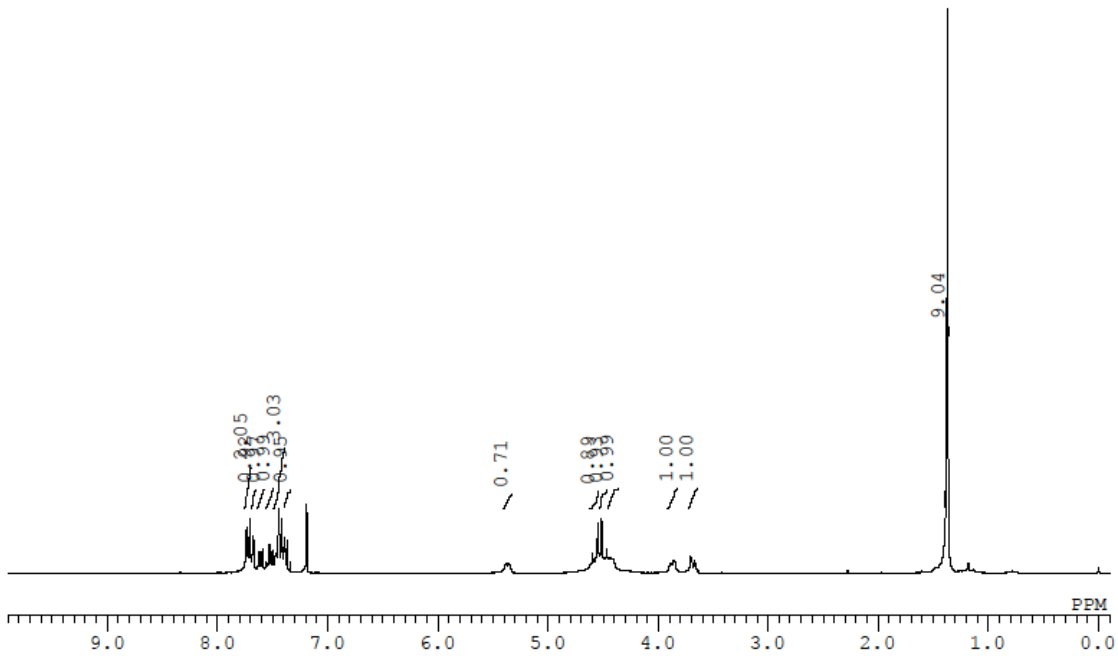
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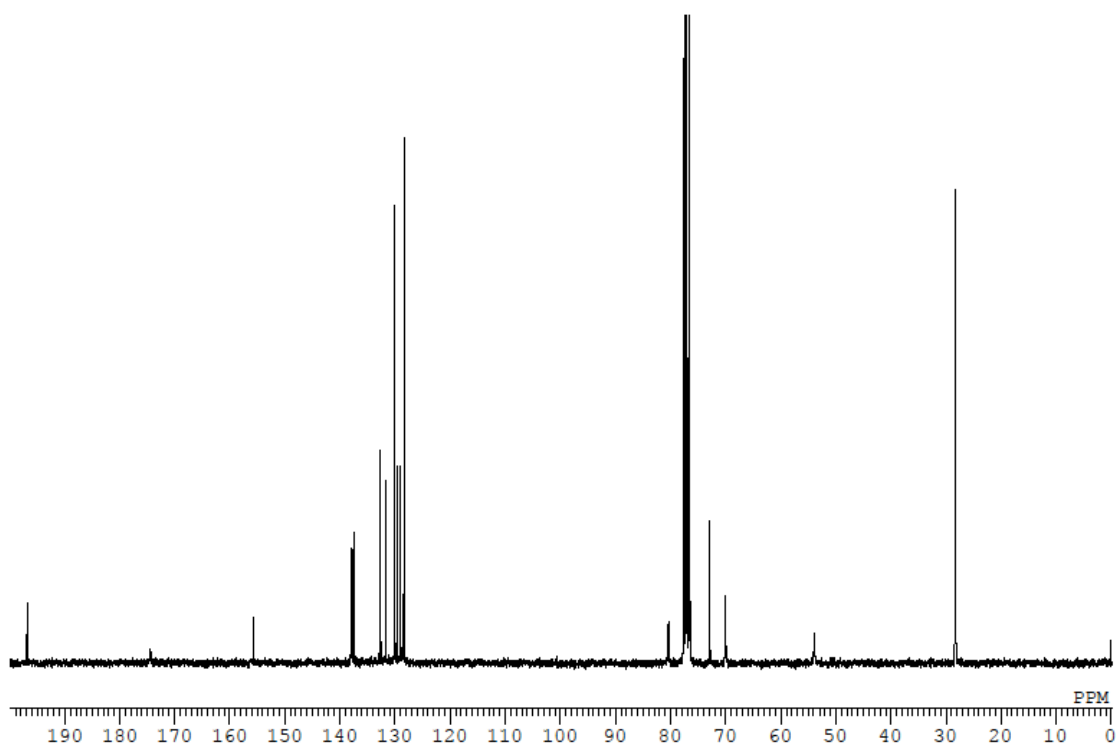
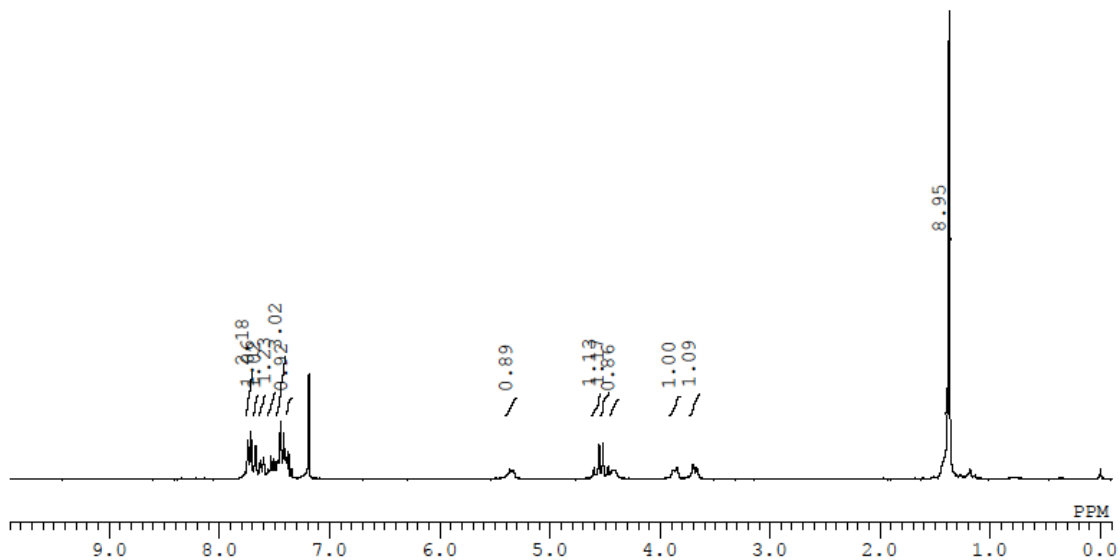
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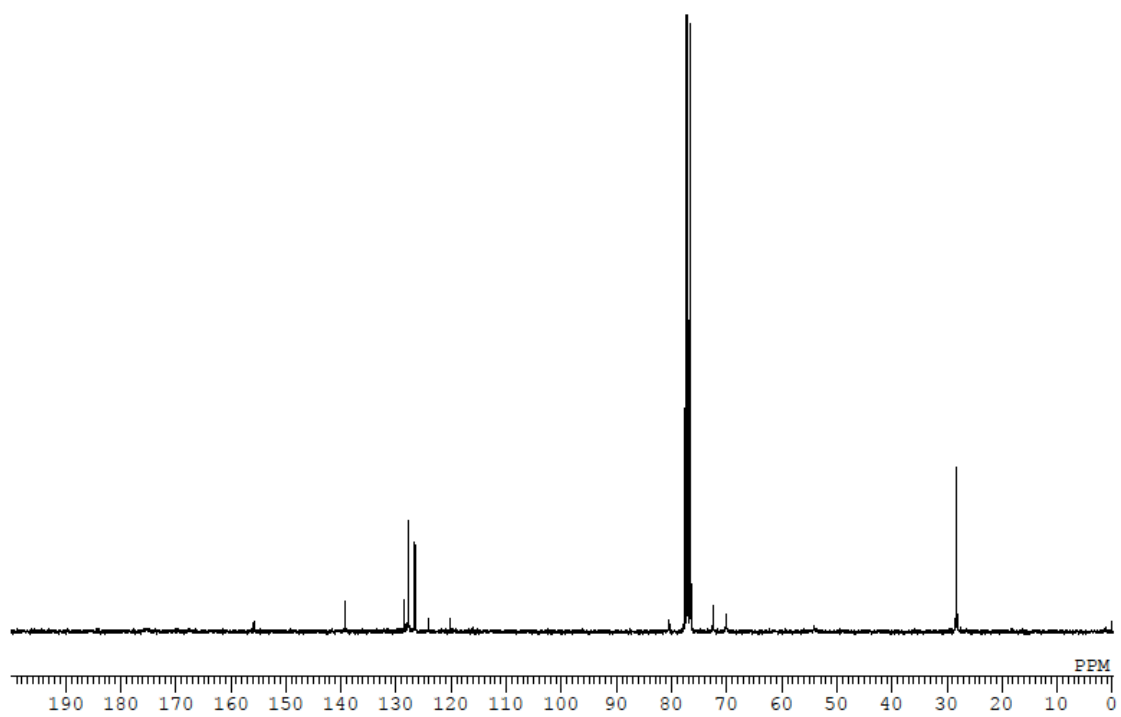
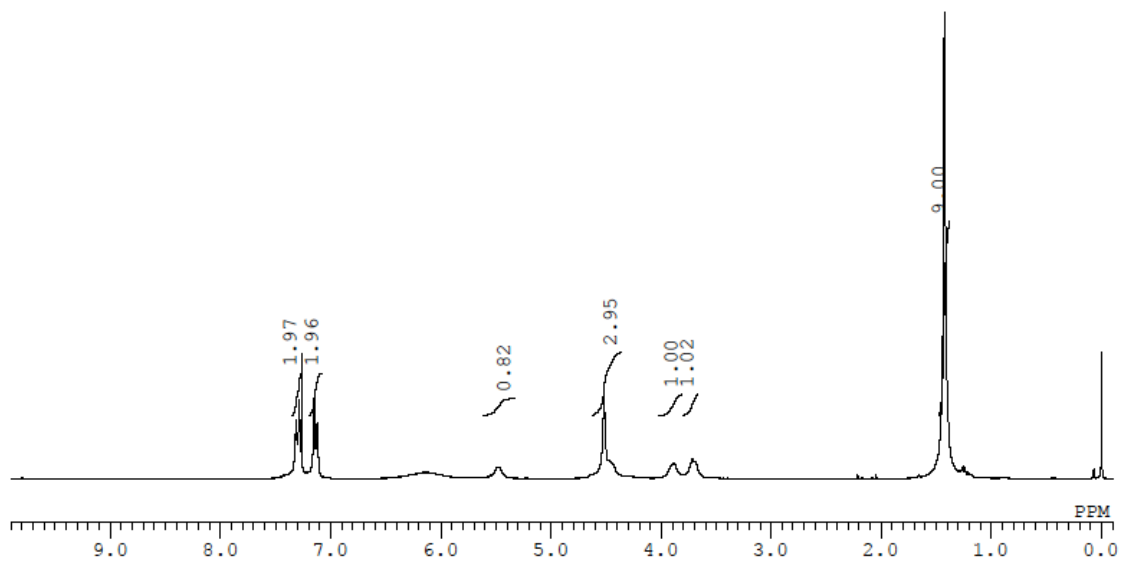
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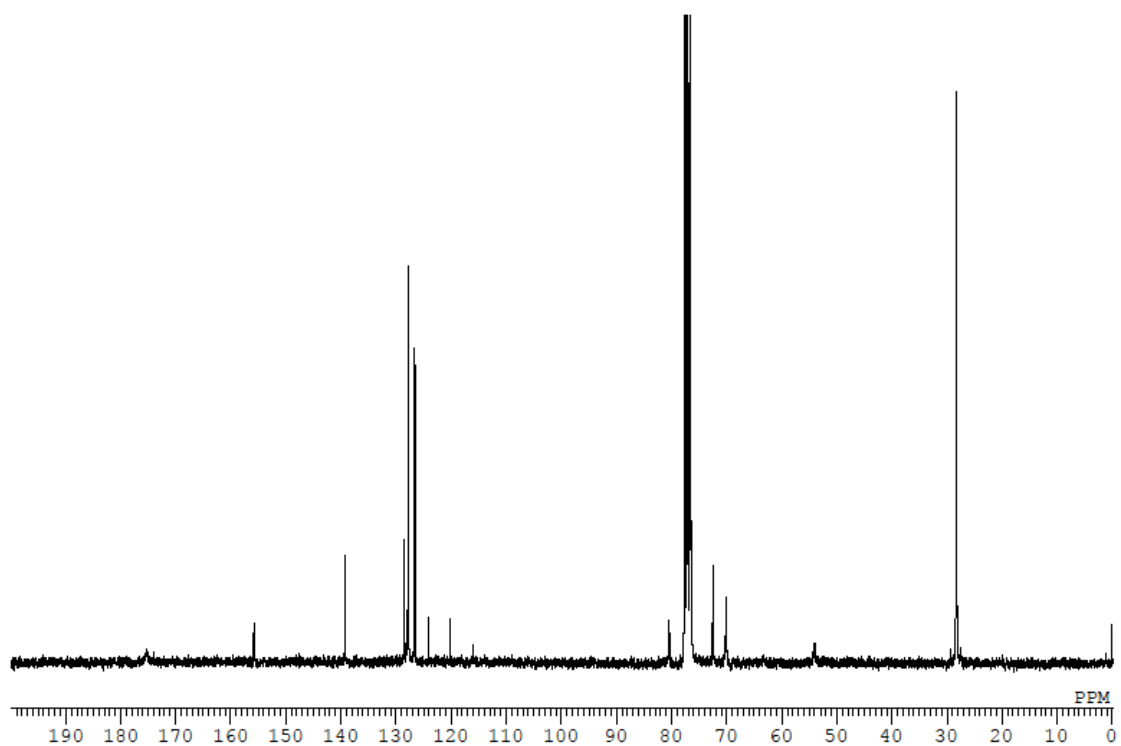
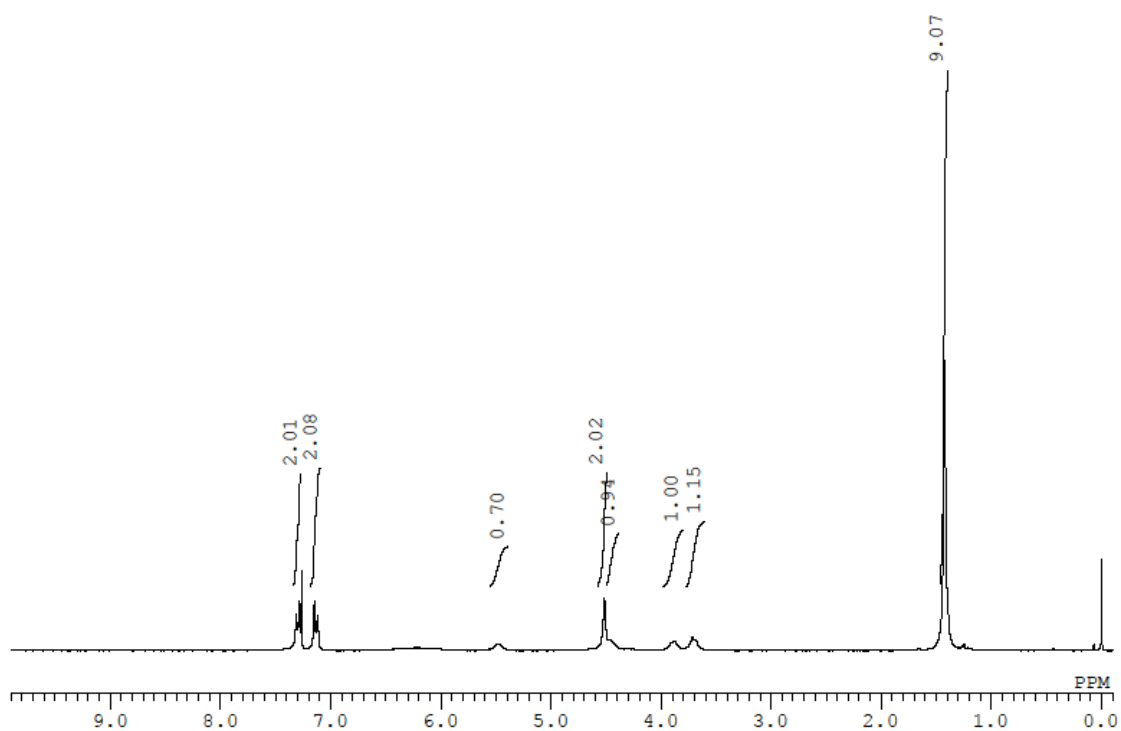
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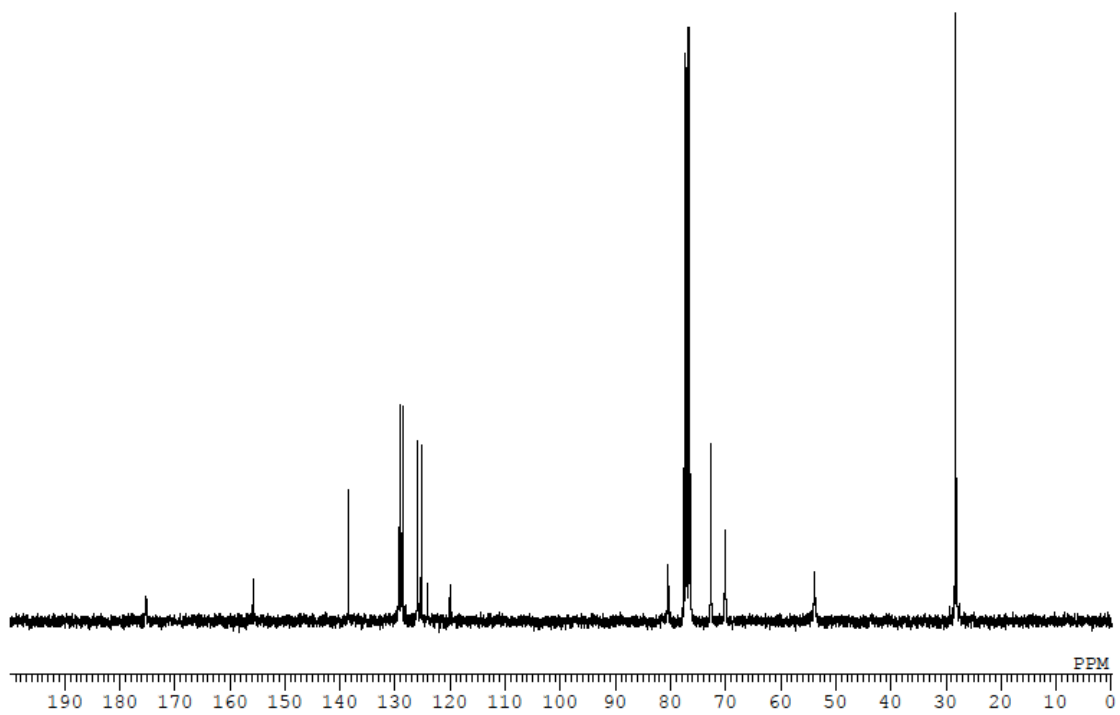
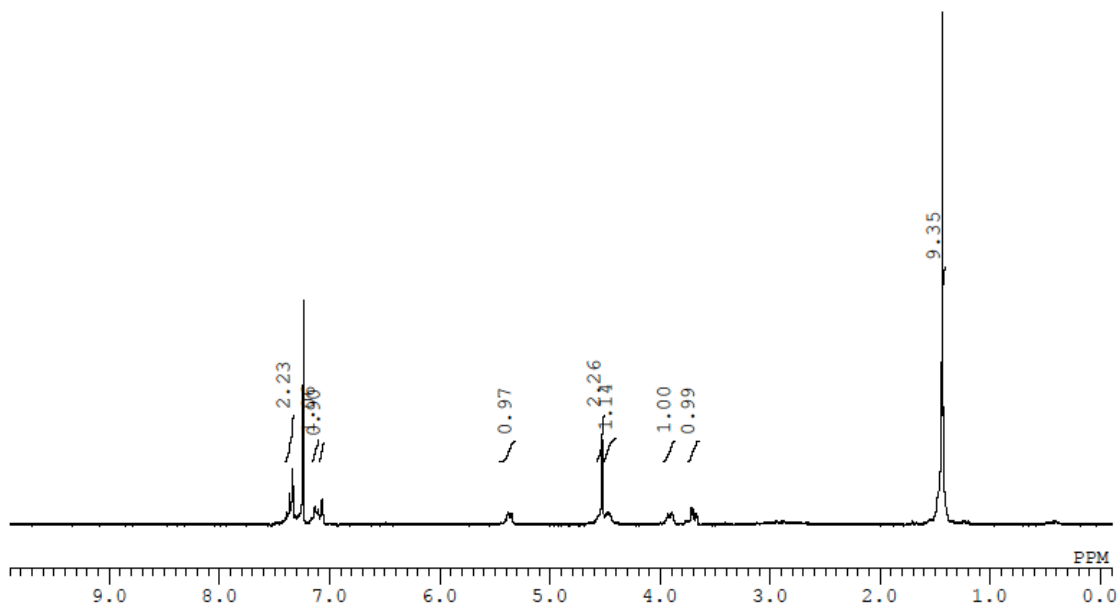
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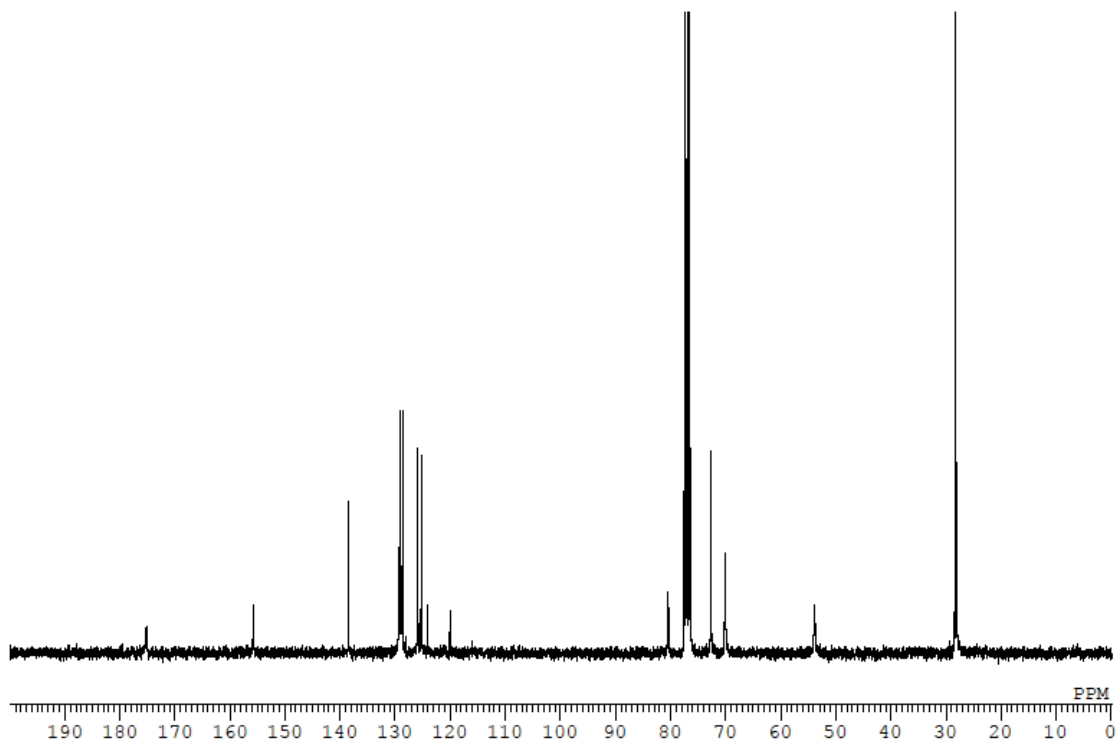
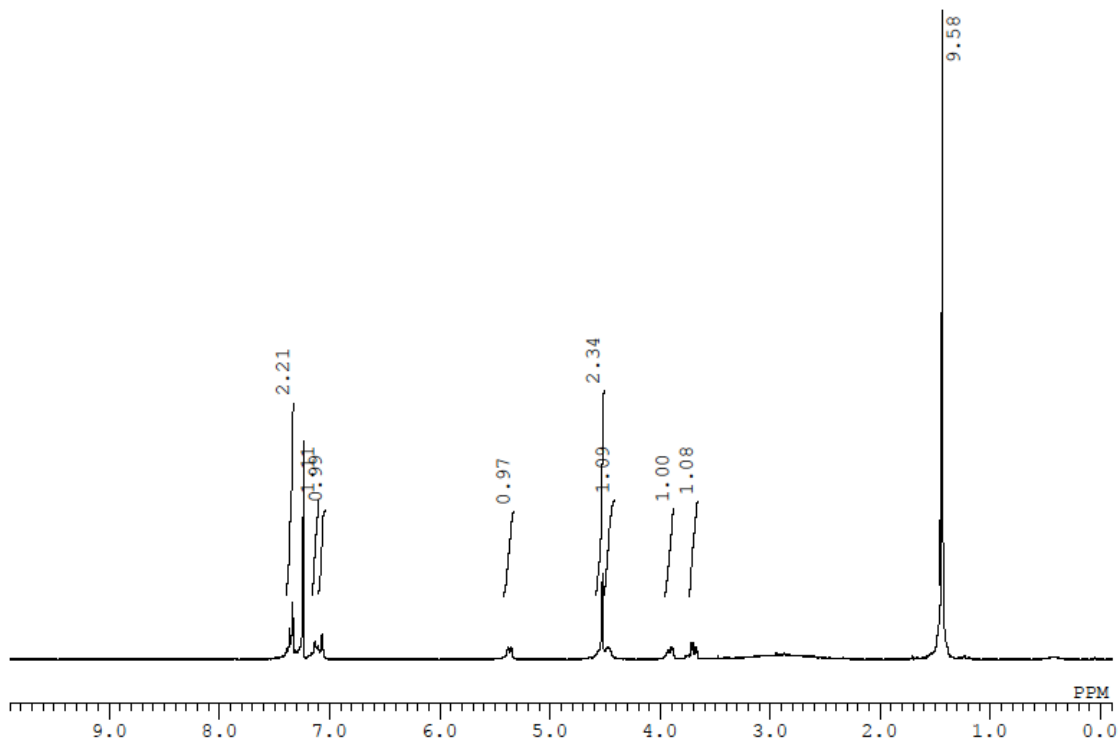
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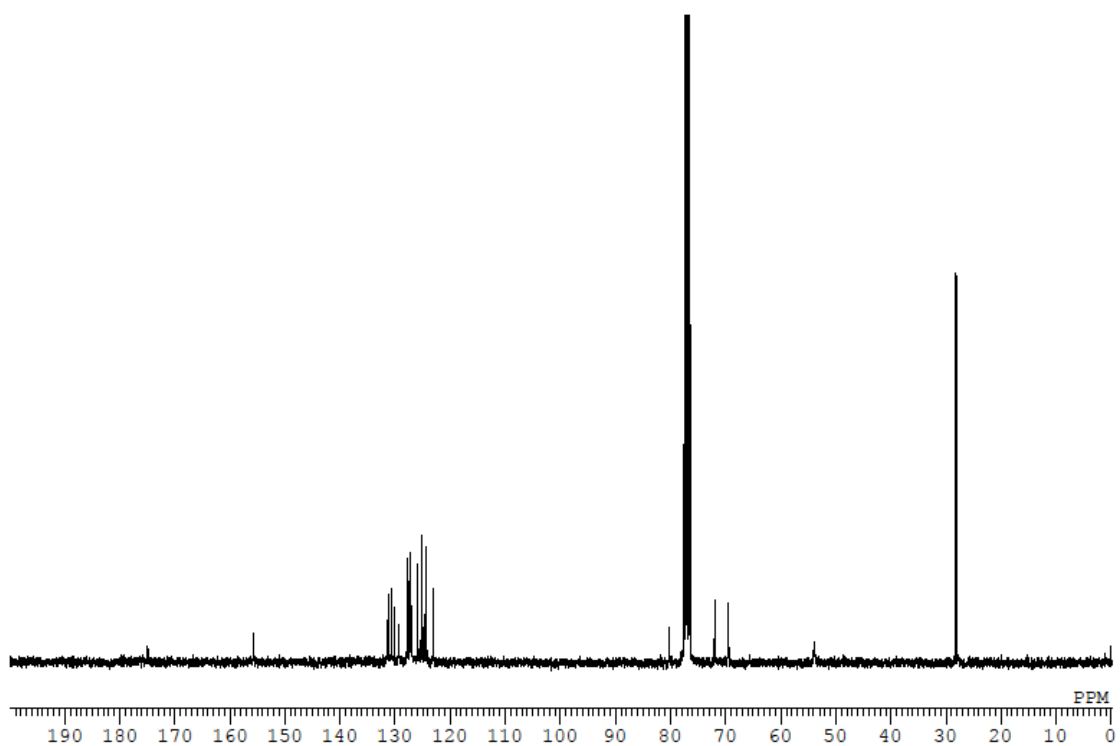
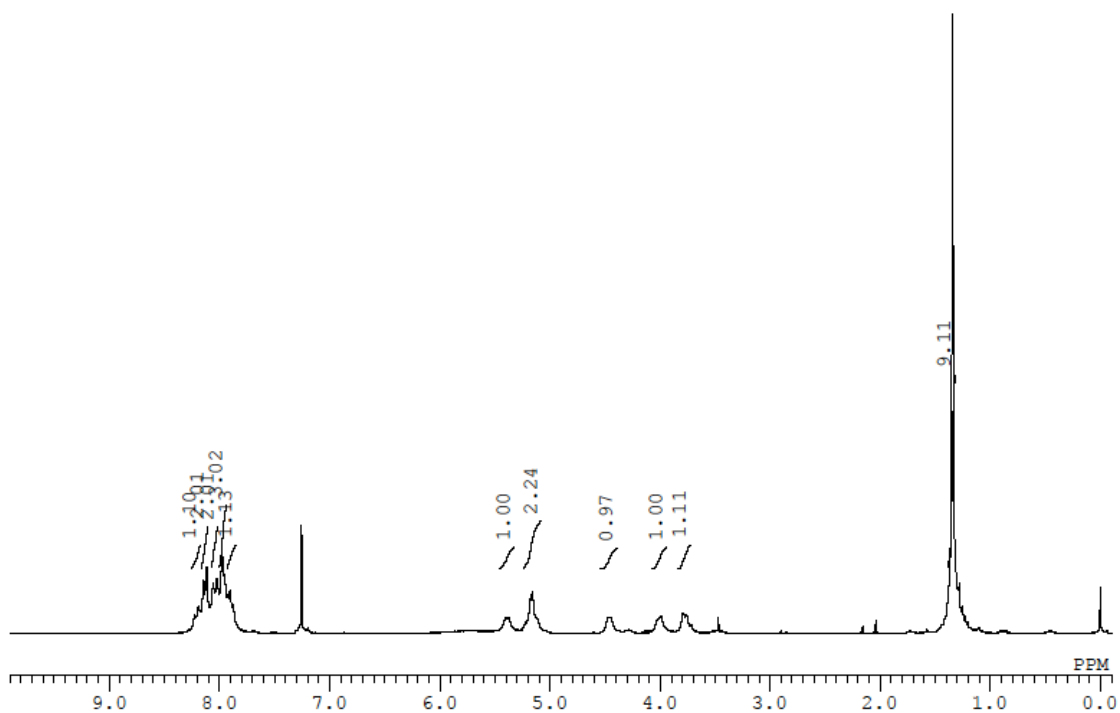
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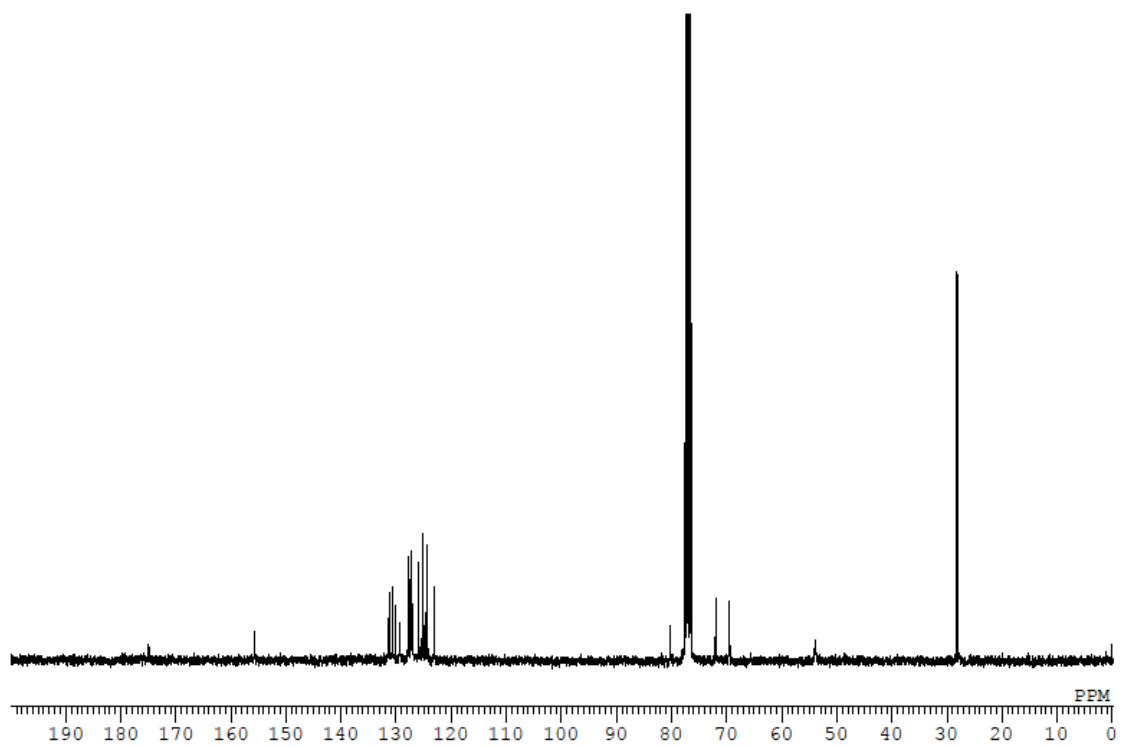
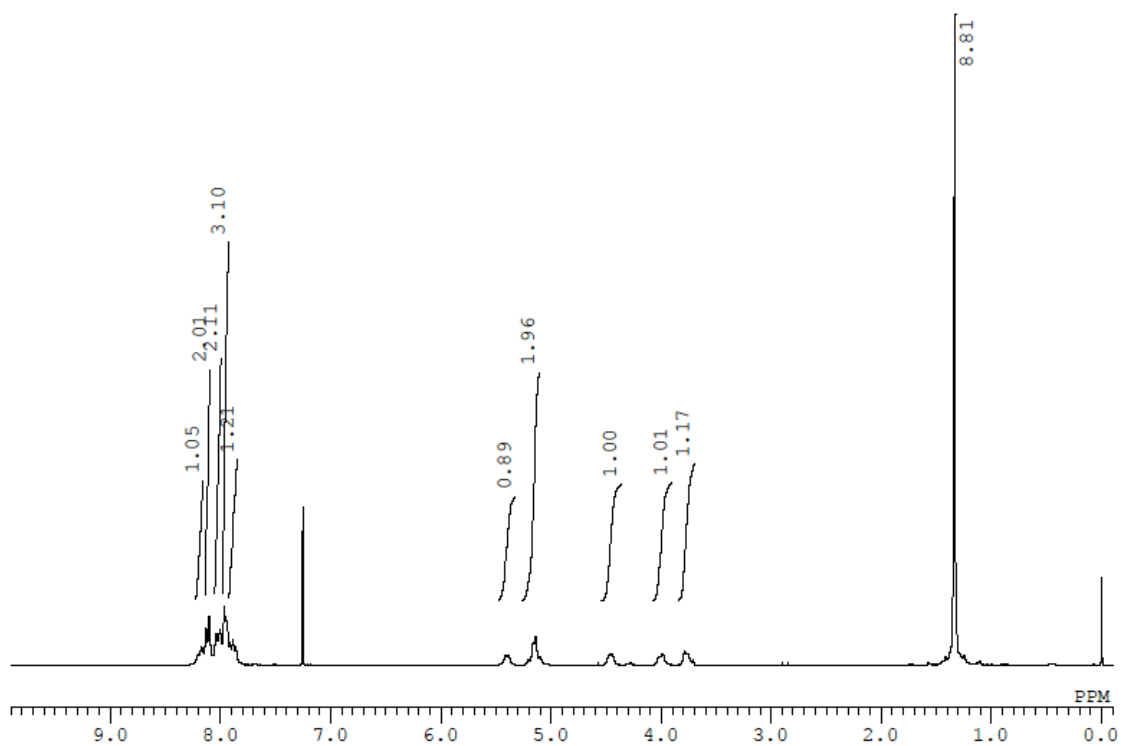
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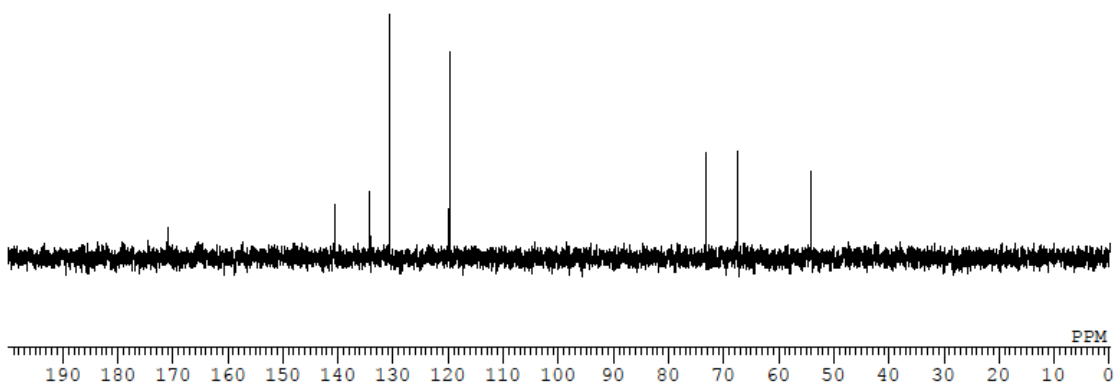
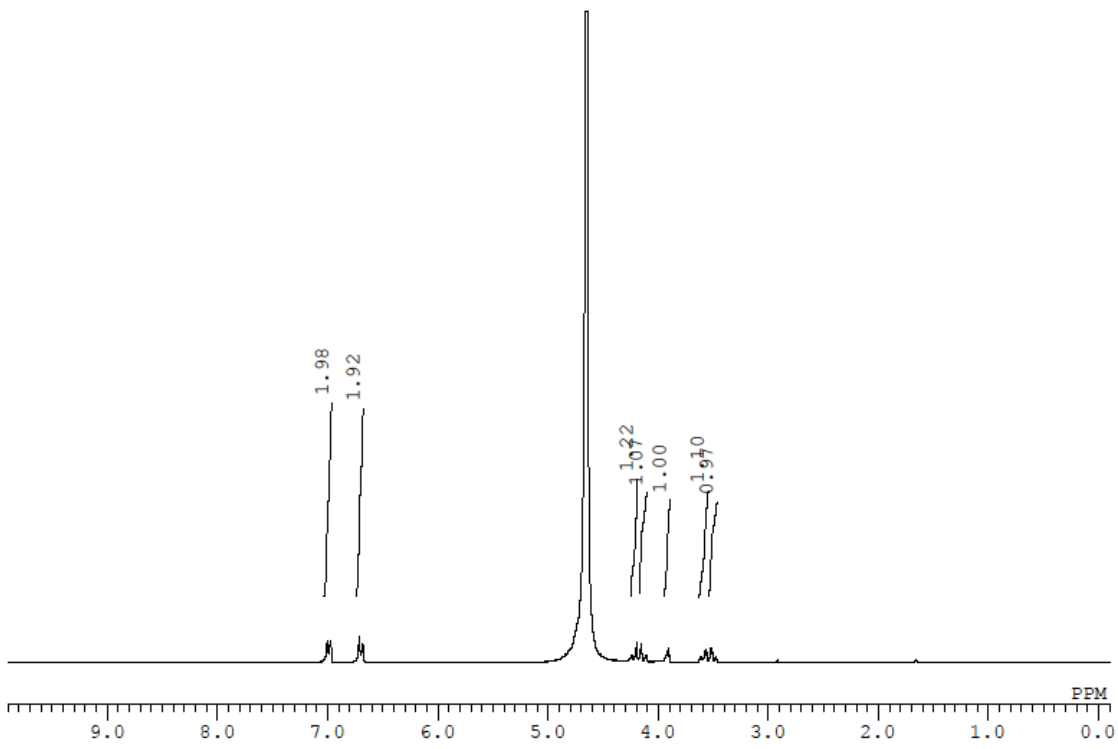
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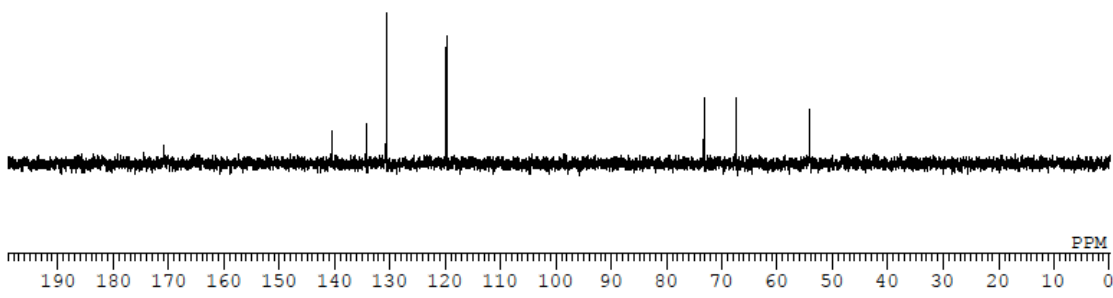
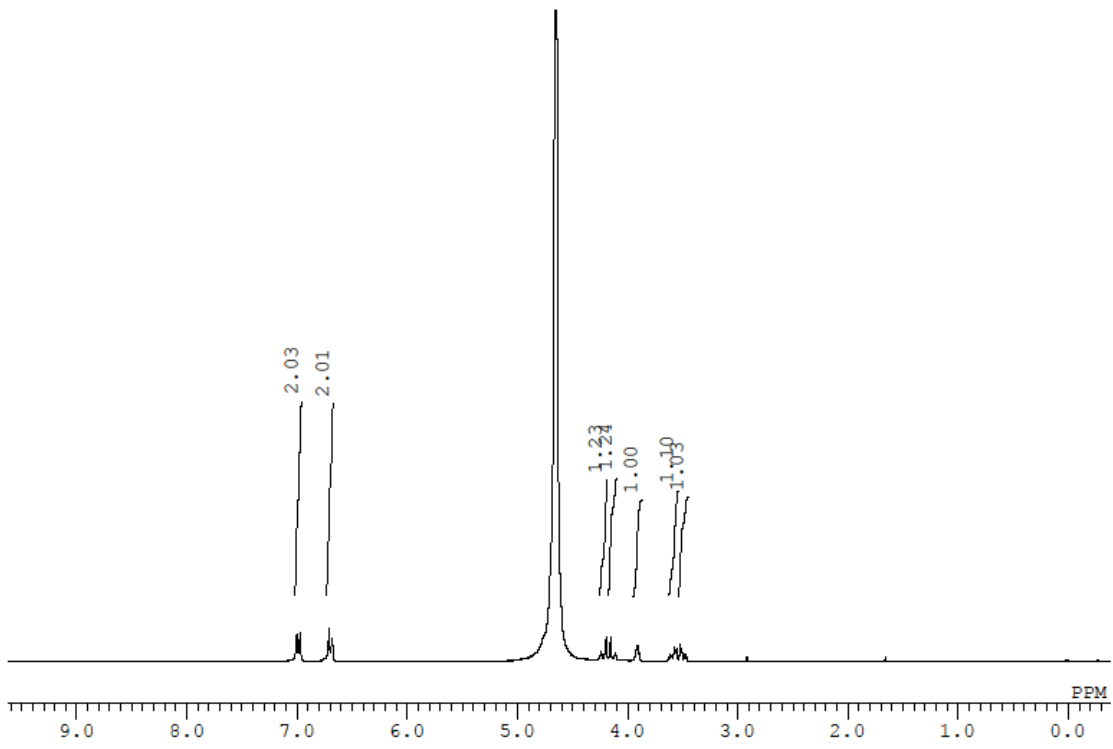
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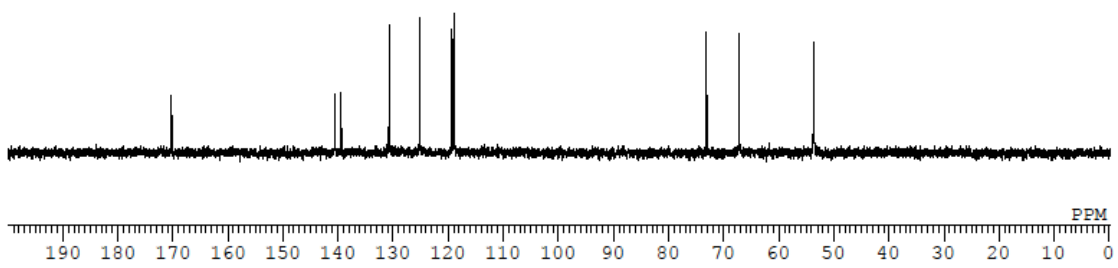
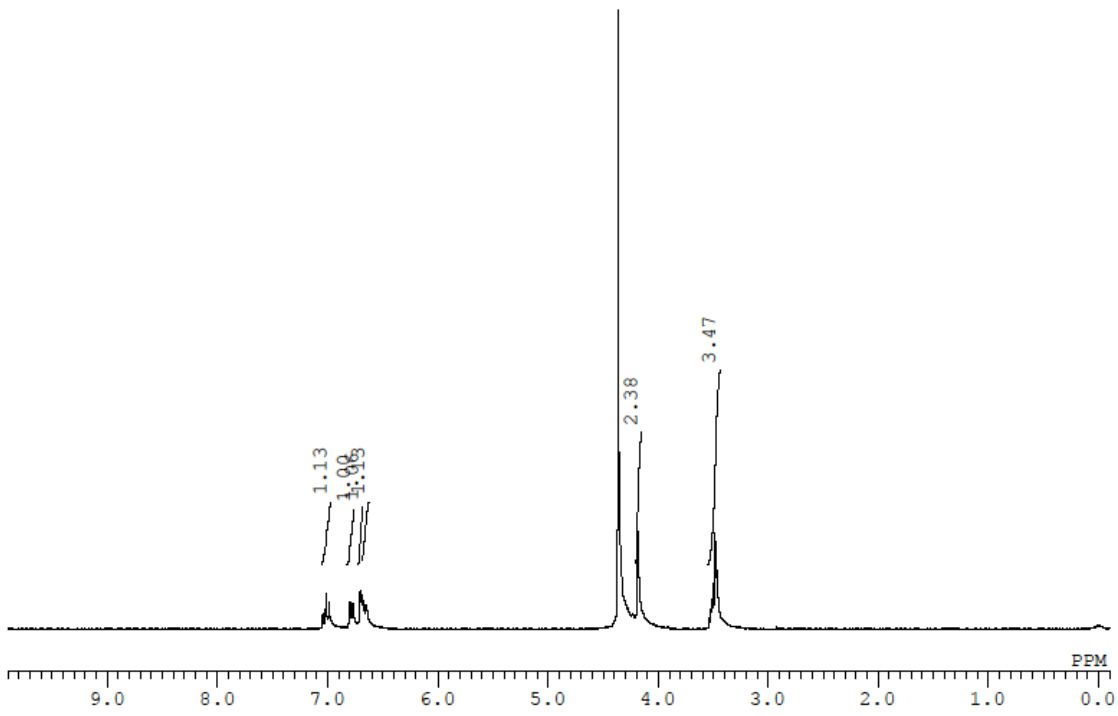
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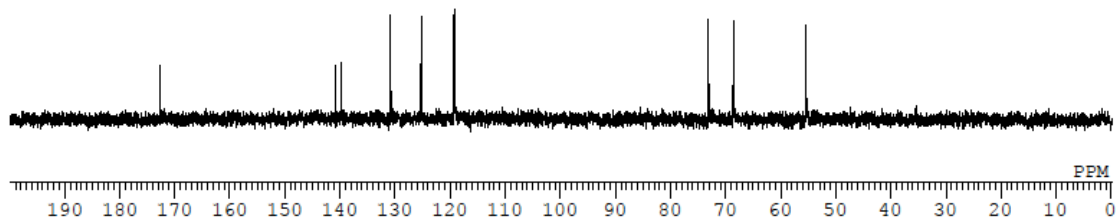
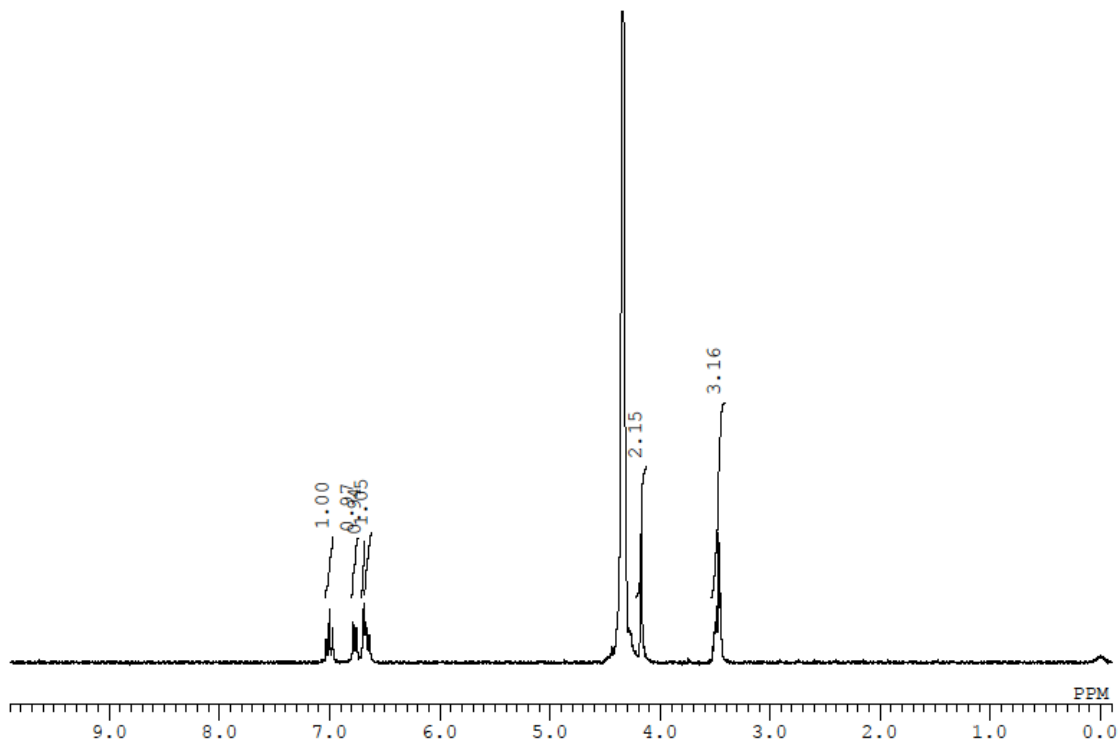
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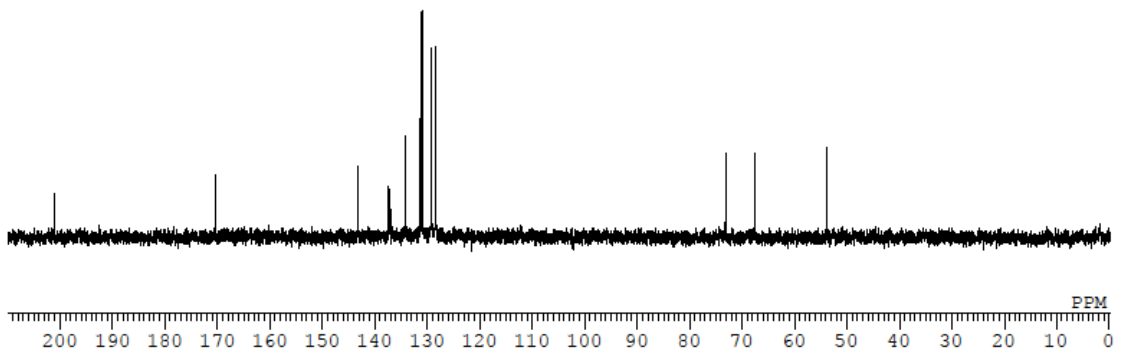
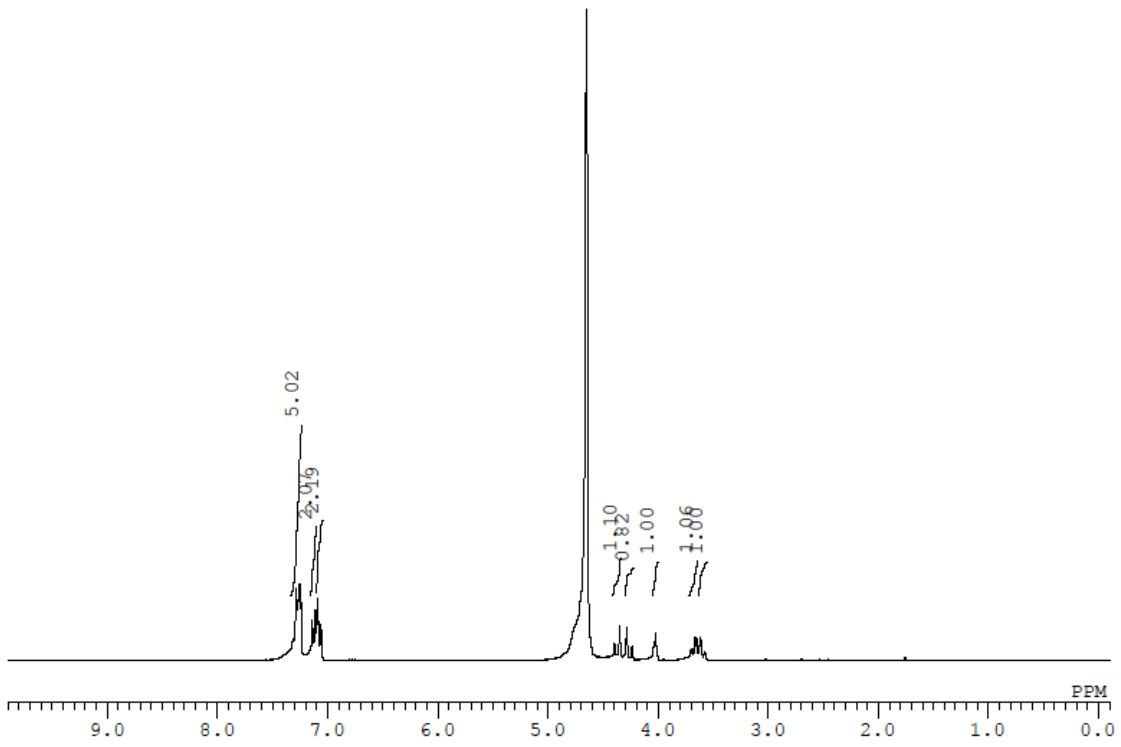
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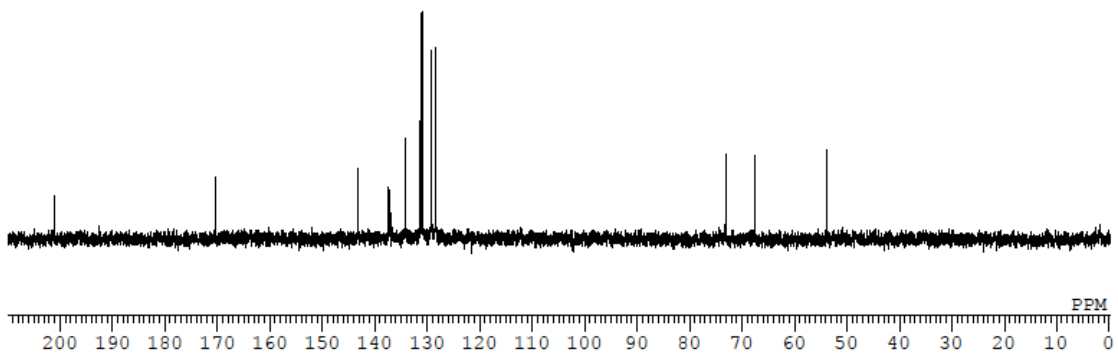
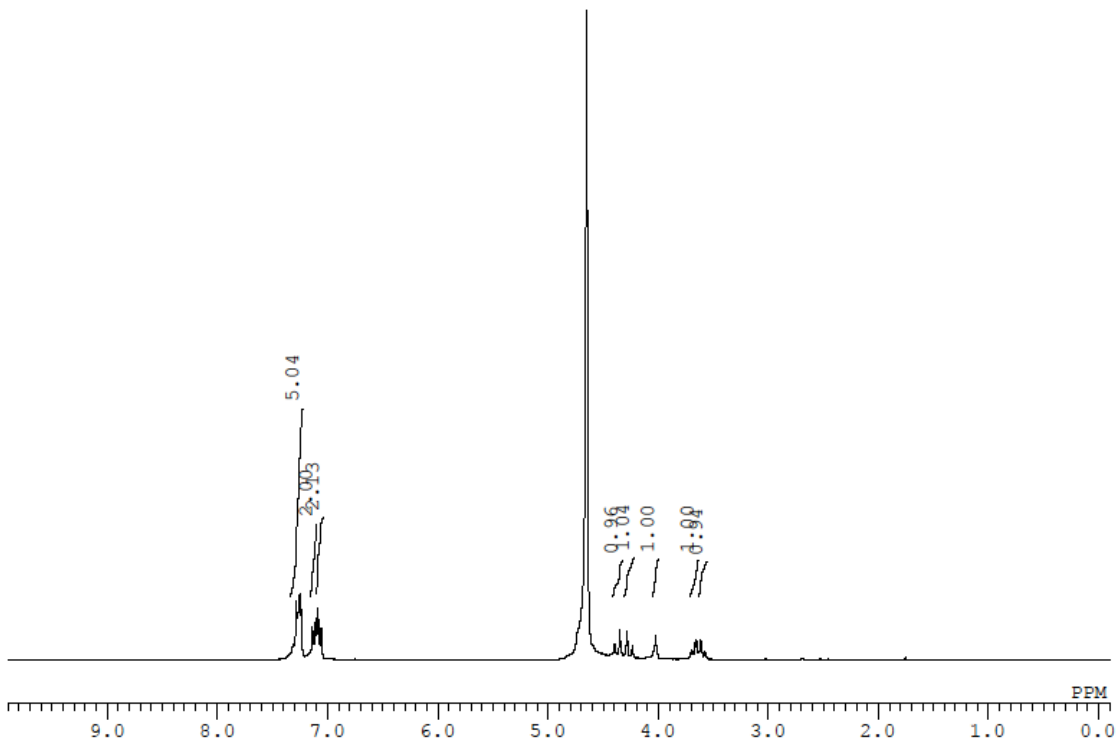
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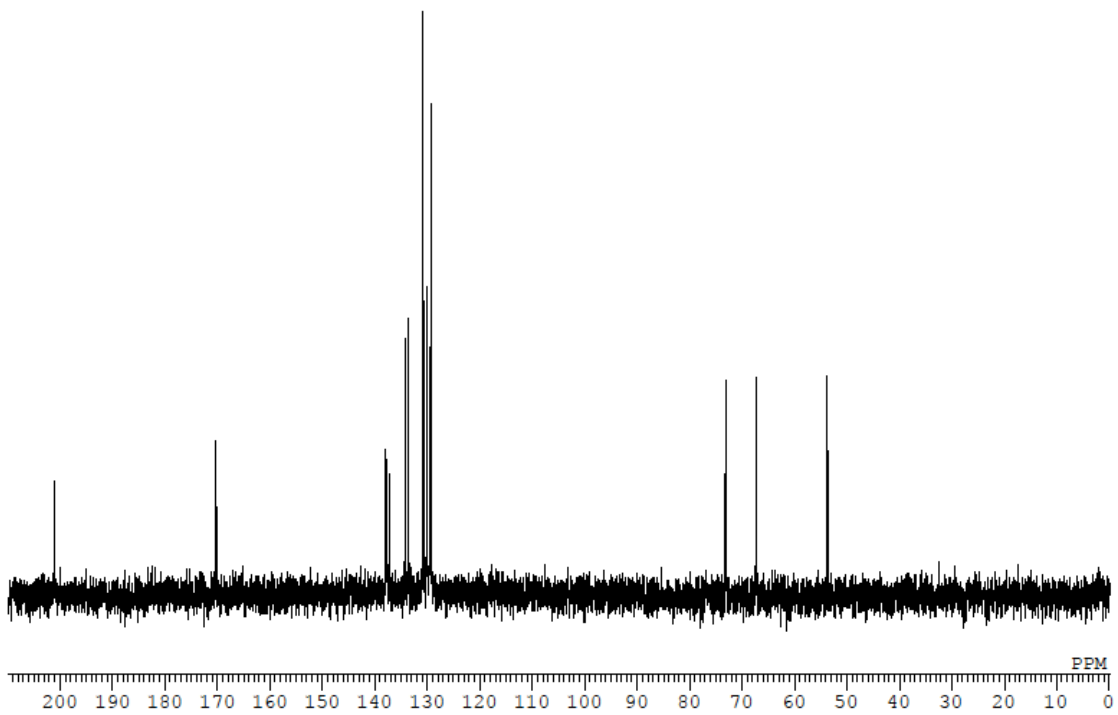
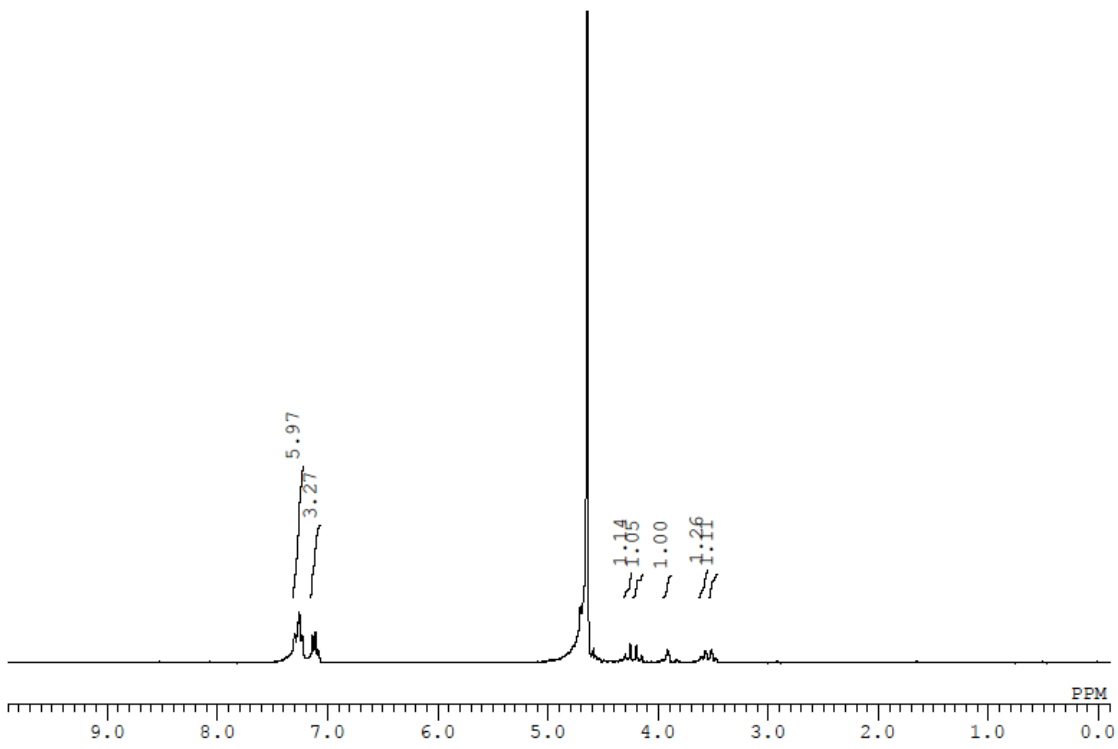
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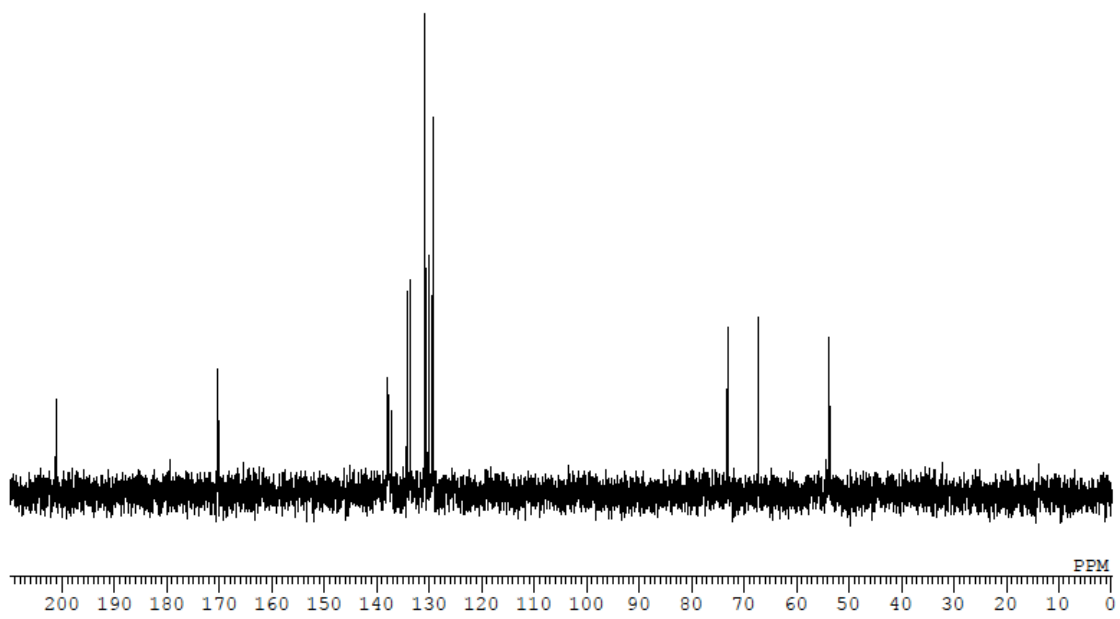
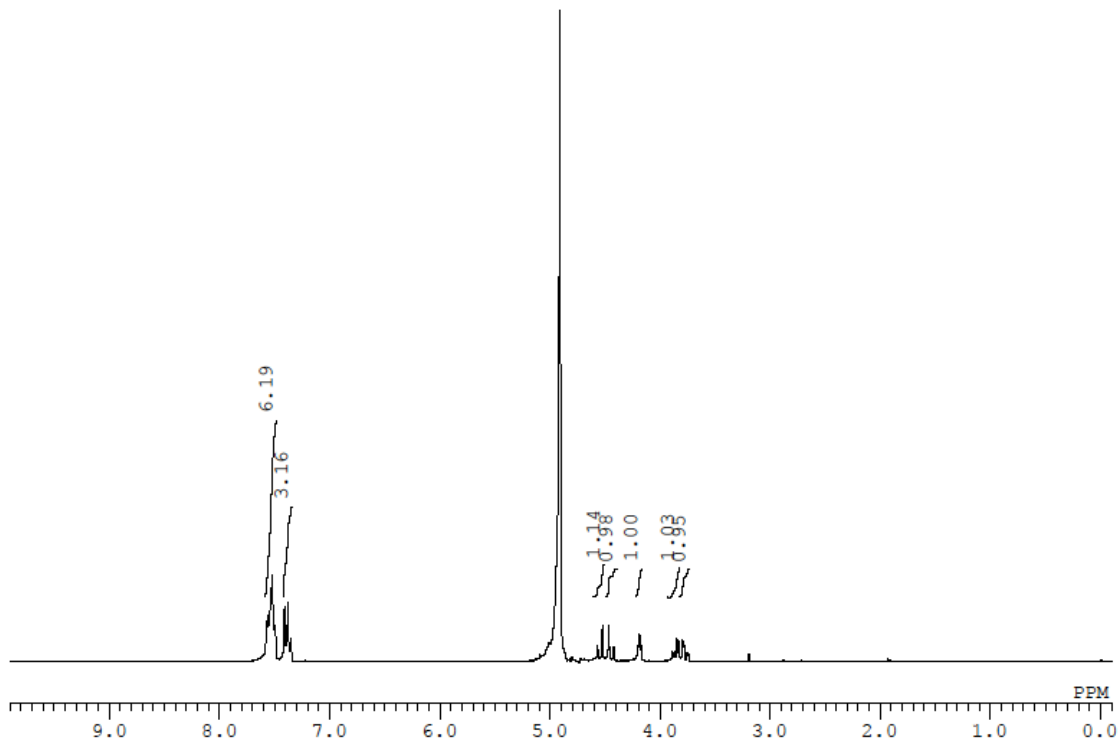
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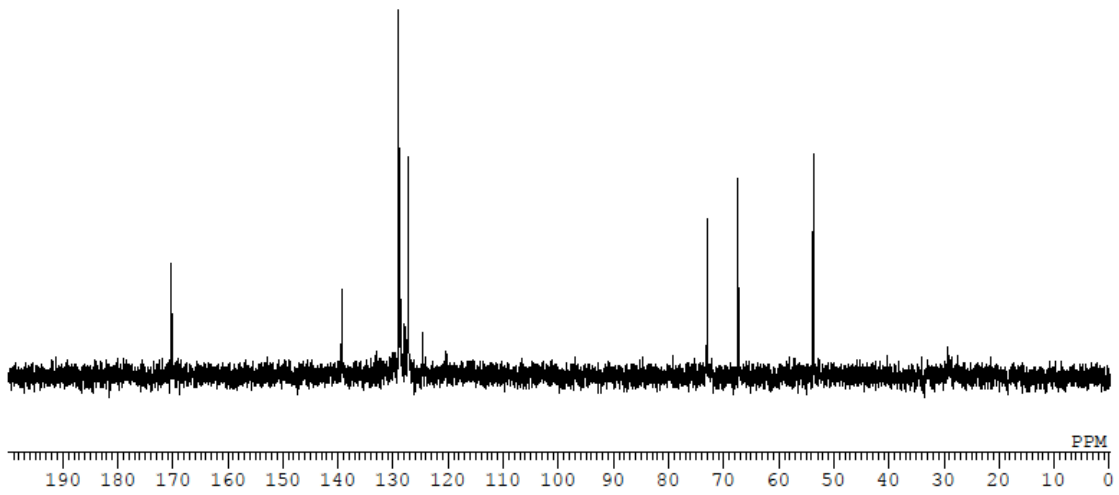
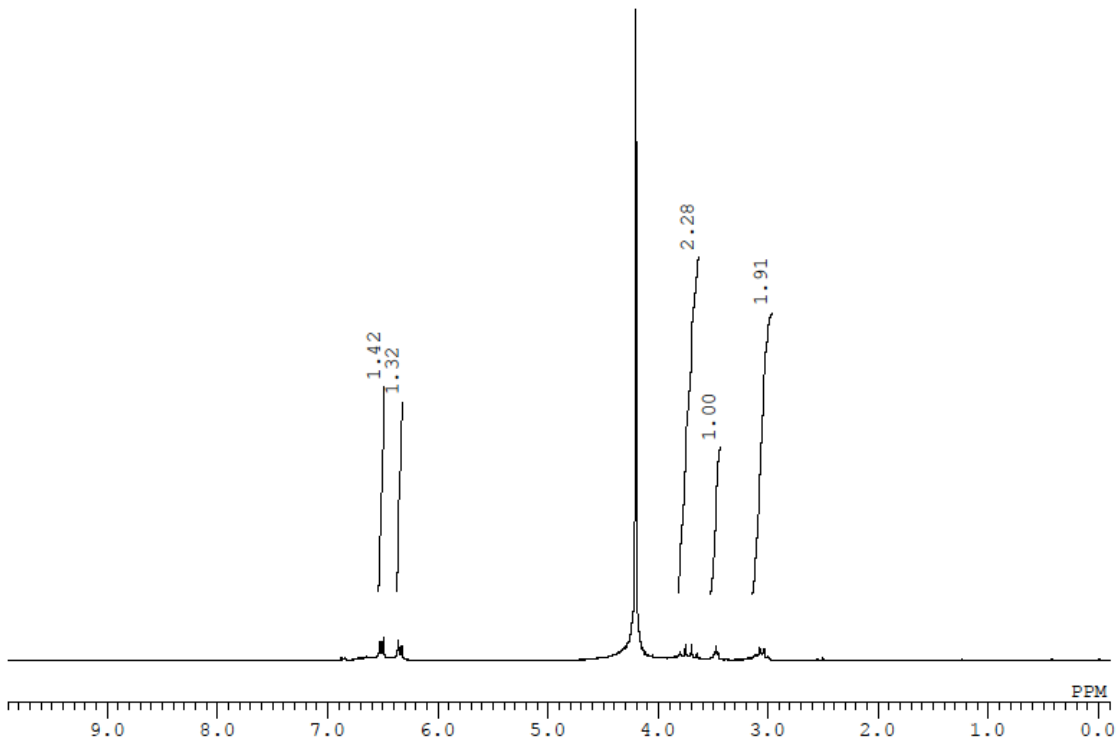
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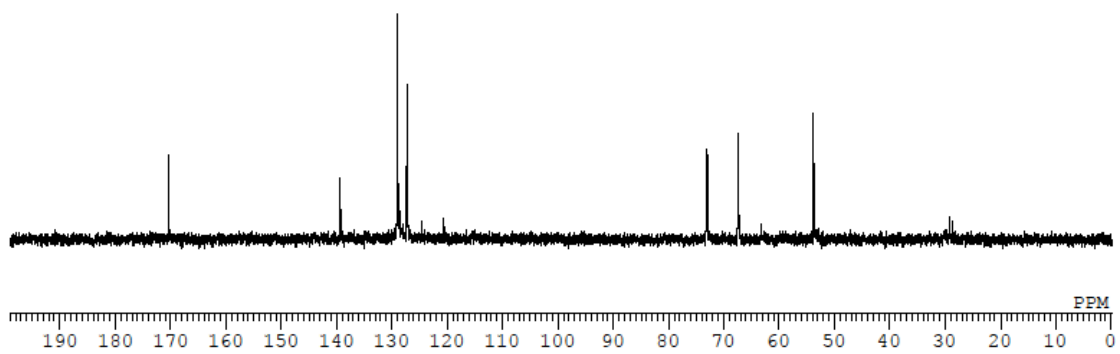
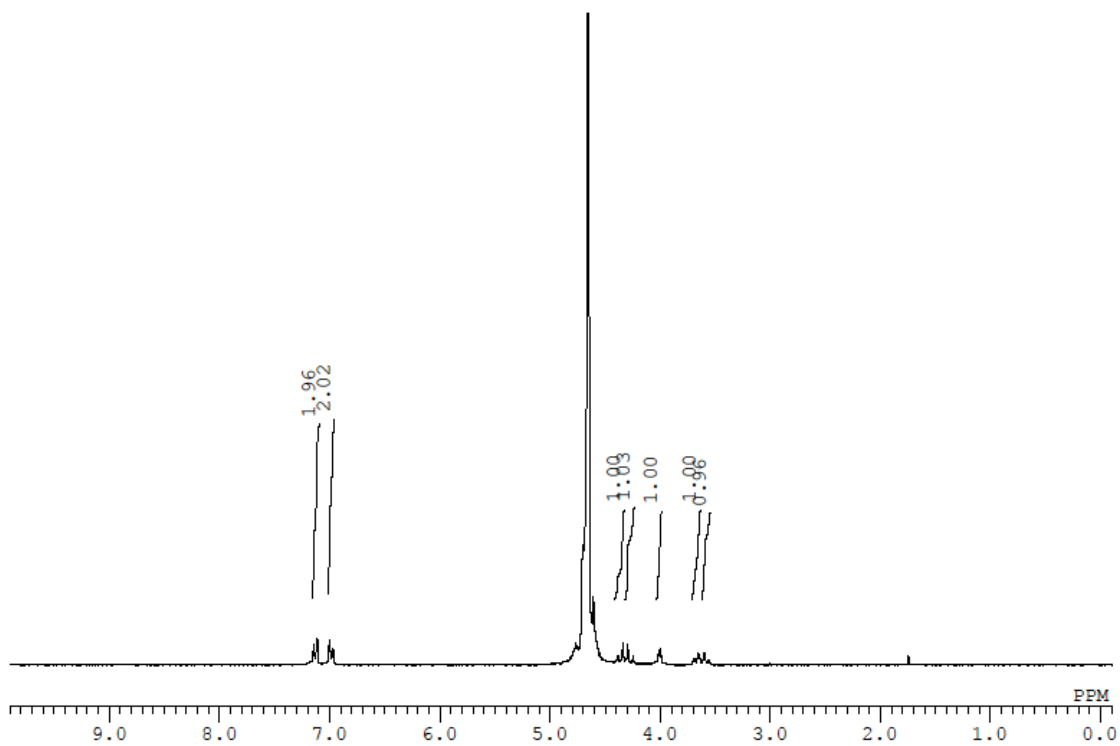
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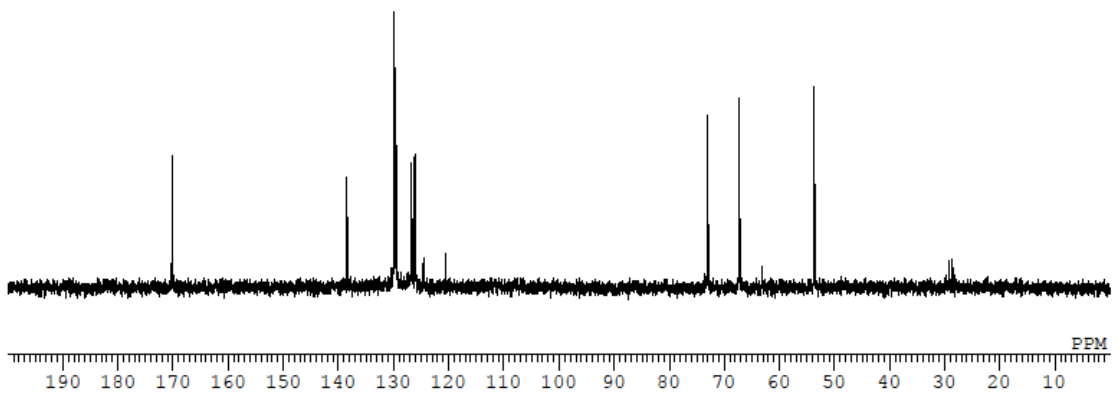
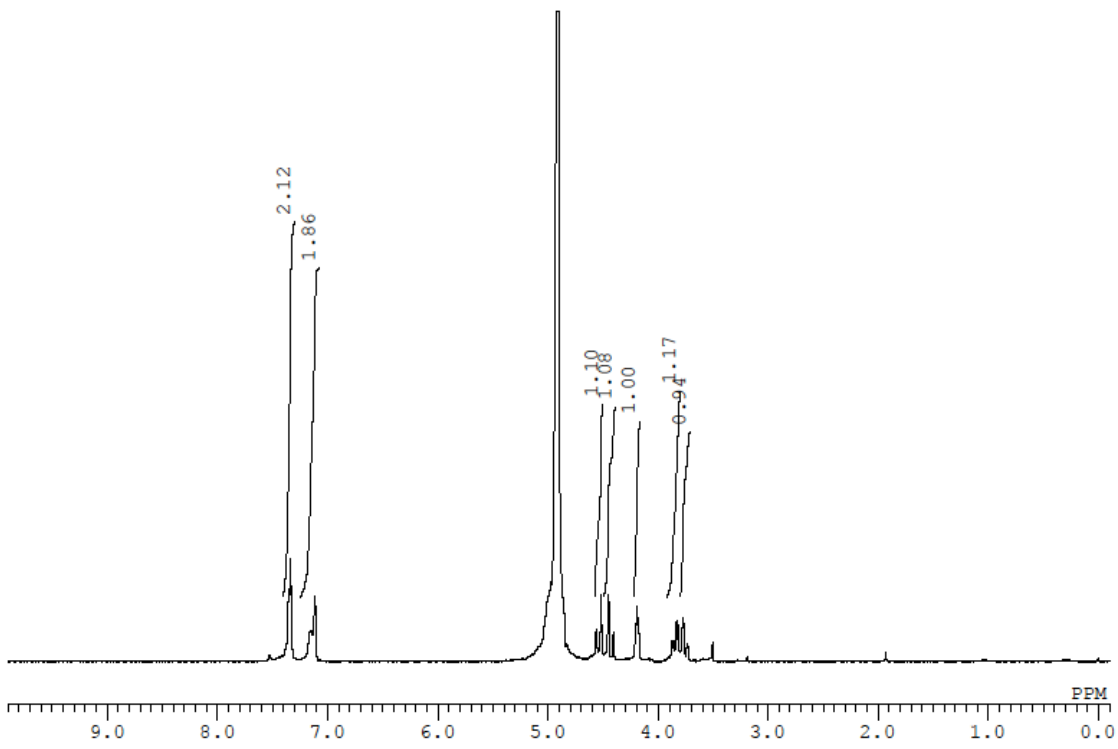
L-Ser(4-[CF<sub>3</sub>(N<sub>2</sub>)C]Bn) HCl (L-18a)



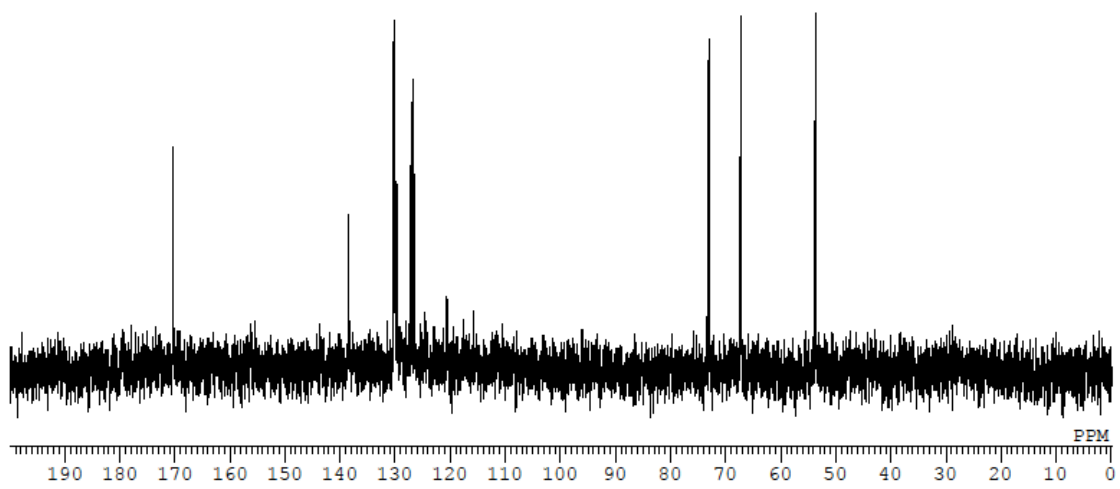
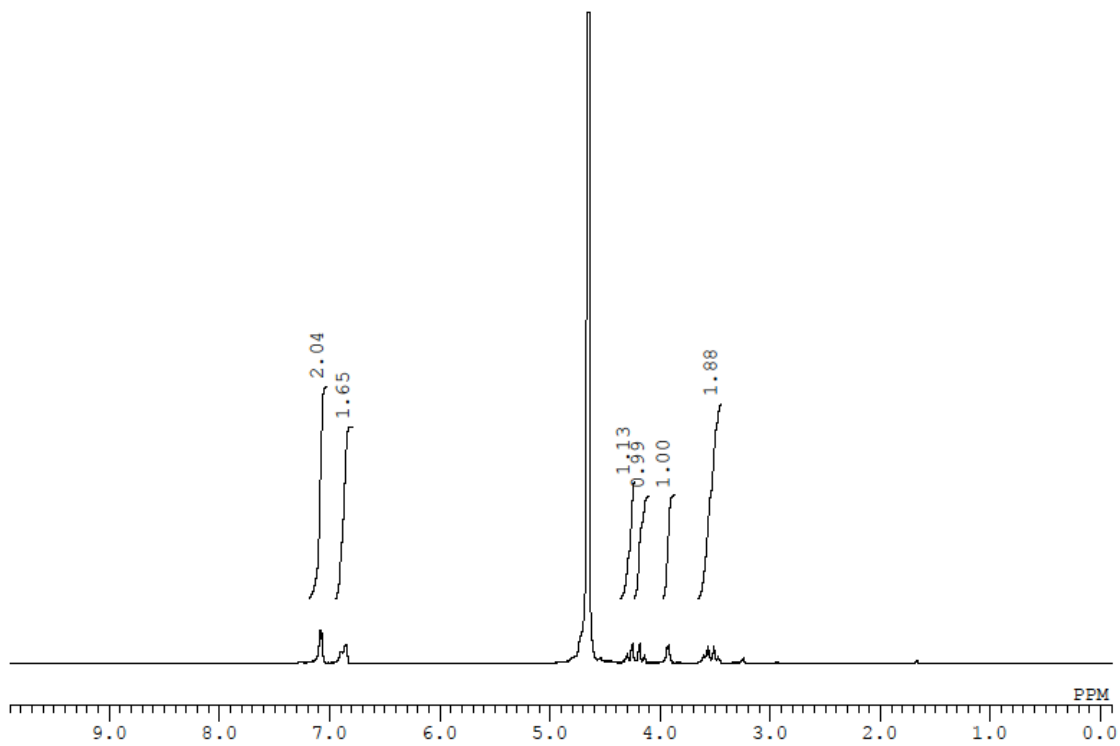
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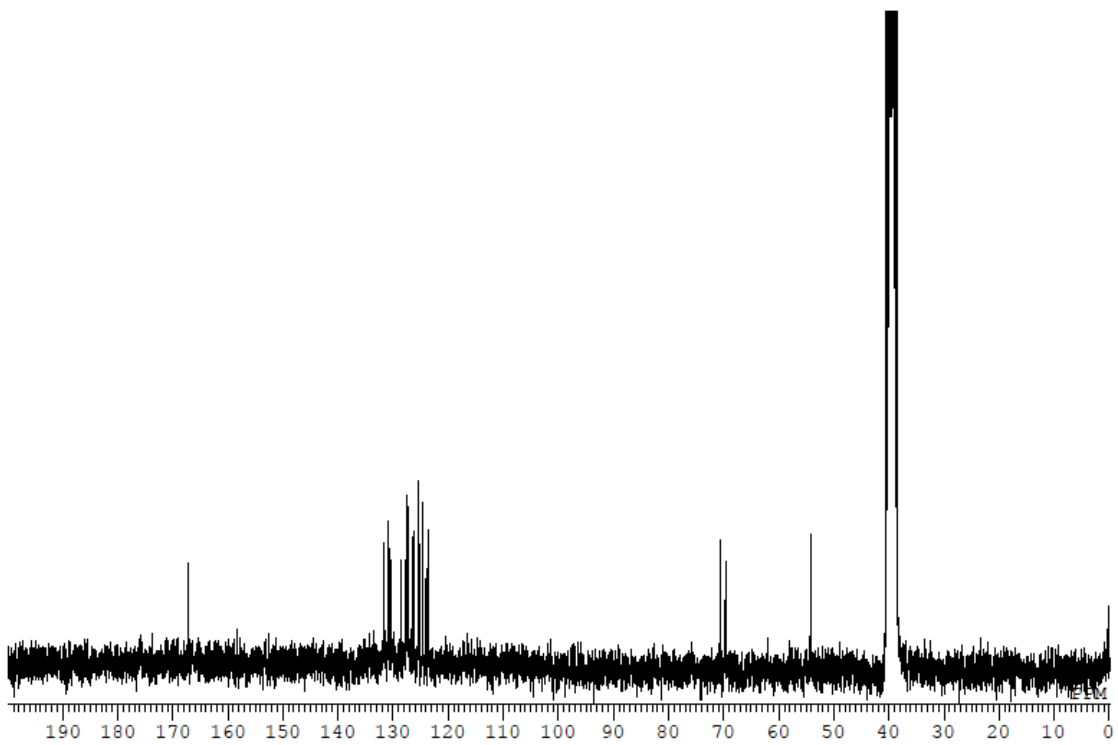
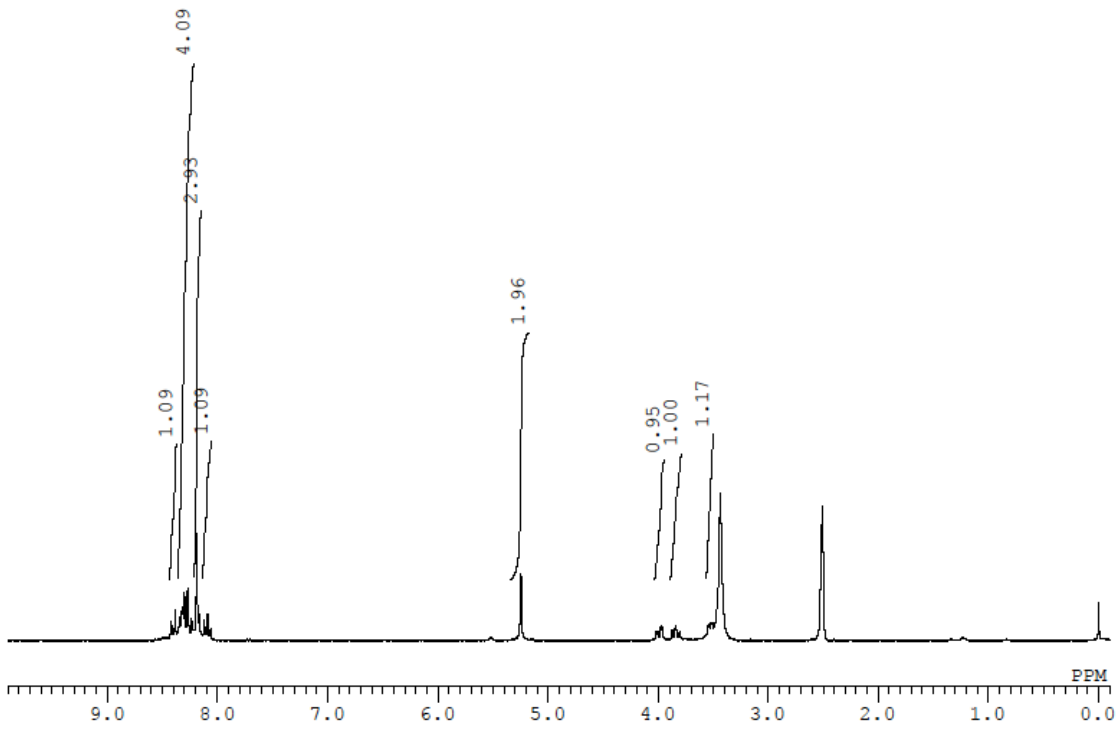
L-Ser(3-[CF<sub>3</sub>(N<sub>2</sub>)C]Bn) HCl (L-18b)



D-Ser(3-[CF<sub>3</sub>(N<sub>2</sub>)C]Bn) HCl (D-18b)



L-Ser(1-pyrenylmethyl) HCl (L-19)



D-Ser(1-pyrenylmethyl) HCl (D-19)

