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Supporting Information

Electrochemical and Chemical Synthesis of Different types of Sulfonamide Derivatives of *N*,*N*-dimethyl-1,4-benzenediamine Using 4-Nitroso-*N*,*N*-dimethylaniline

Davood Nematollahi*, Sadegh Khazalpour

Faculty of Chemistry, Bu-Ali Sina University, Hamedan, Iran, Zip Code: 65178-38683. E-mail: nemat@basu.ac.ir, Fax:+98-813-8257407

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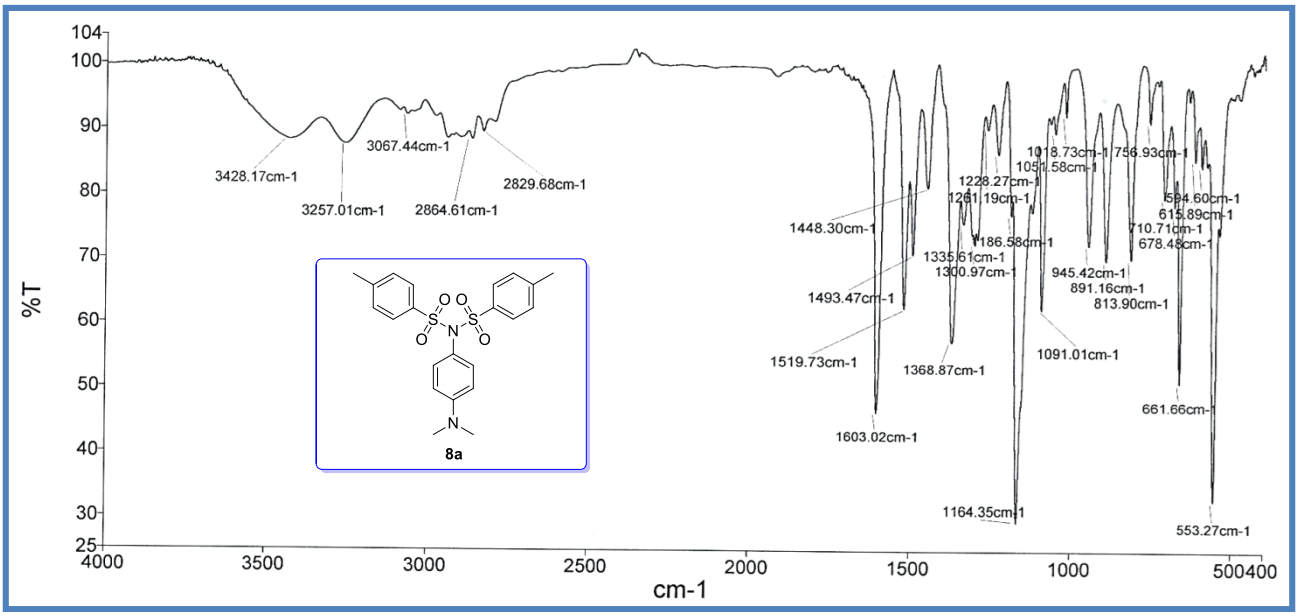
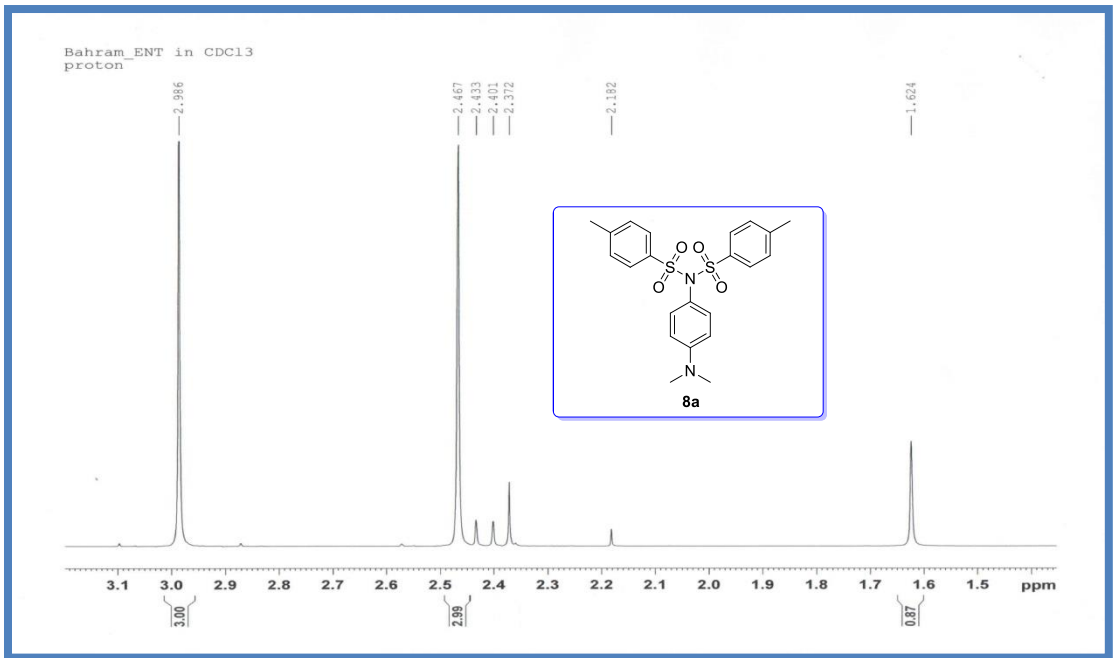
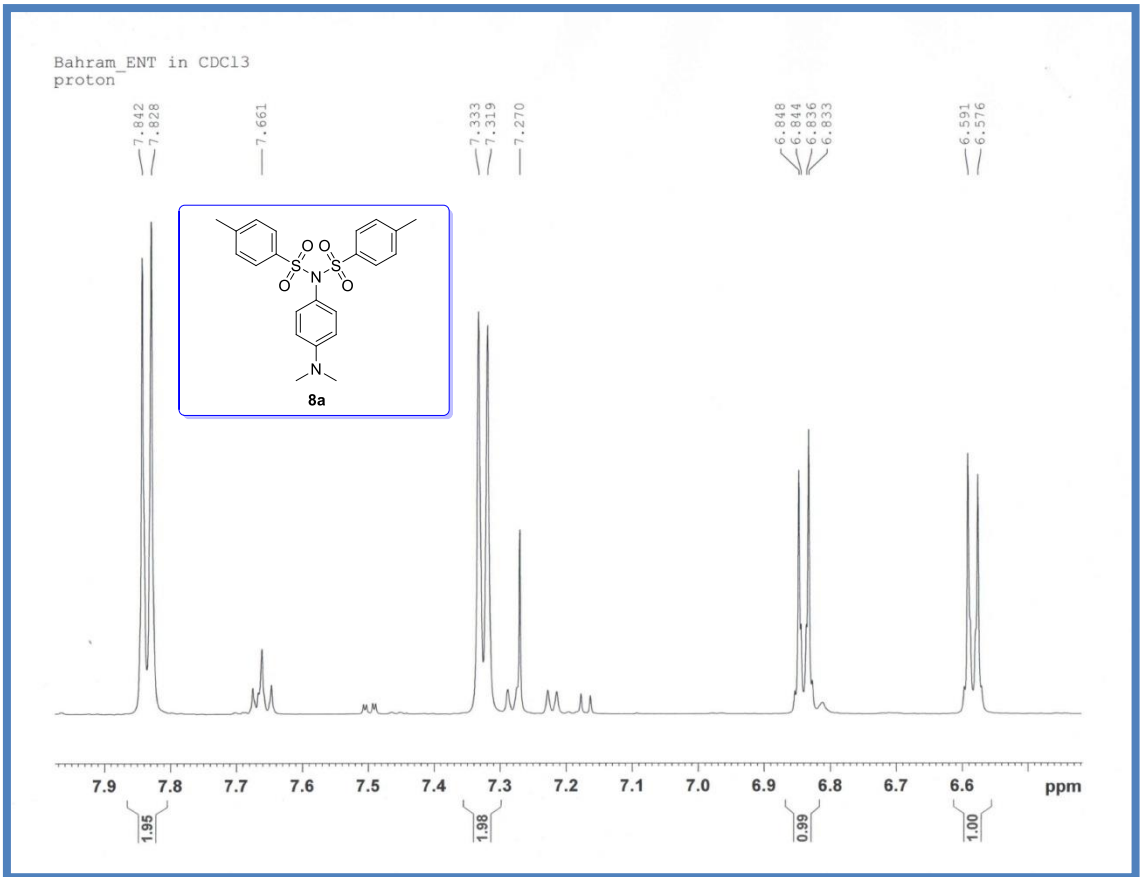


[1]HNMR spectrum of 8a





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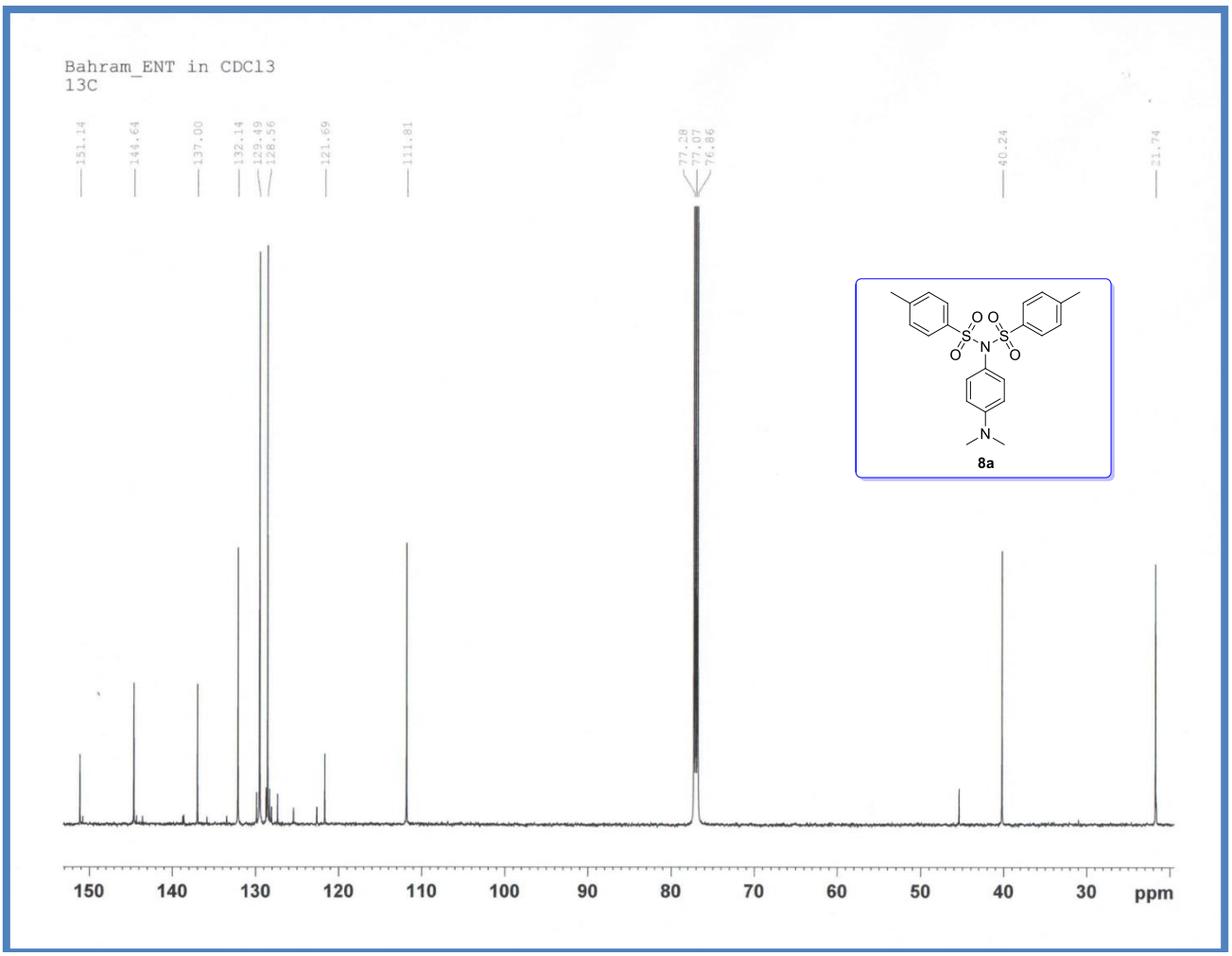
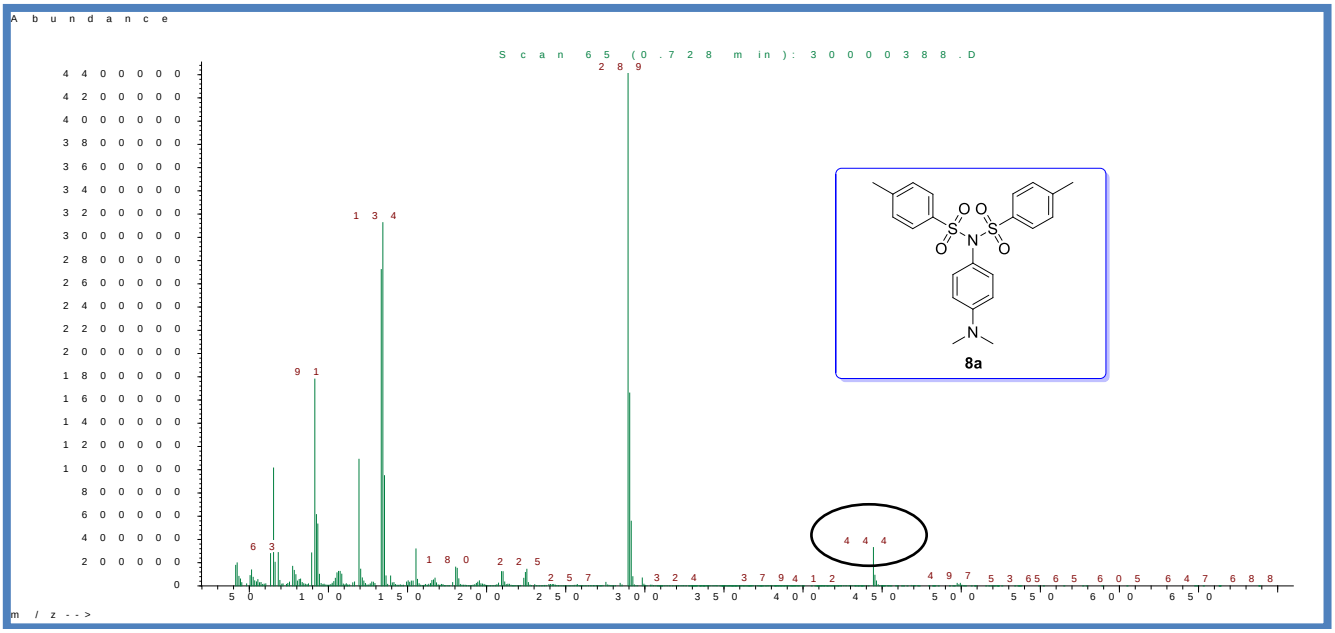
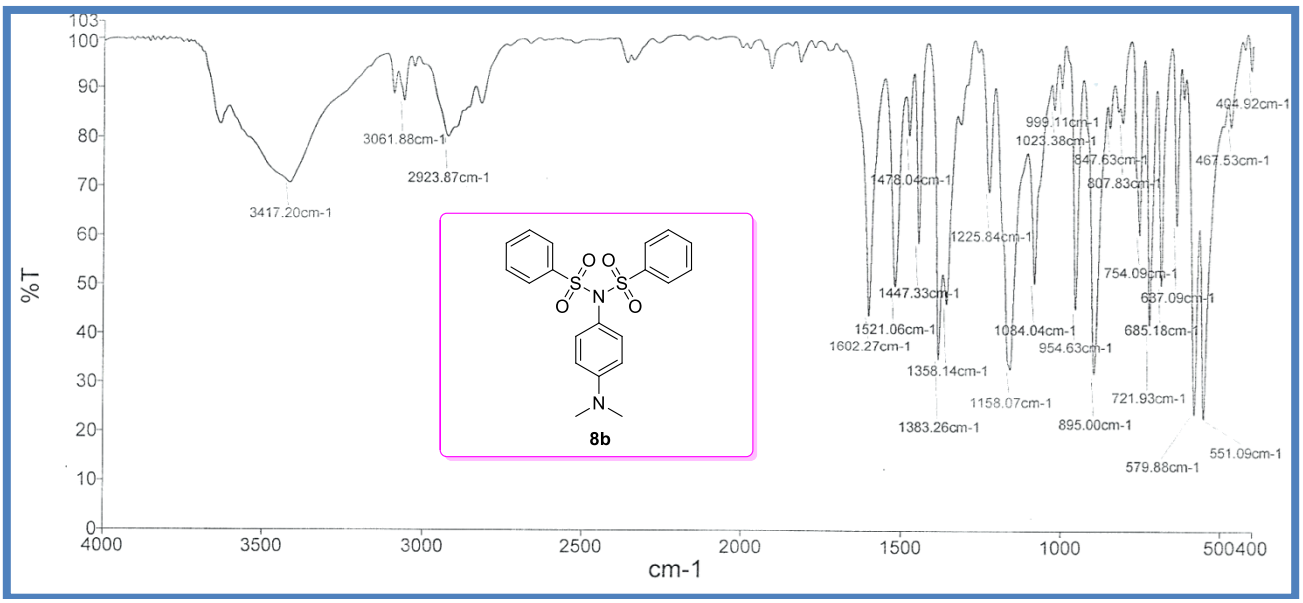


Mass spectra of 8a



IR spectrum of 8b



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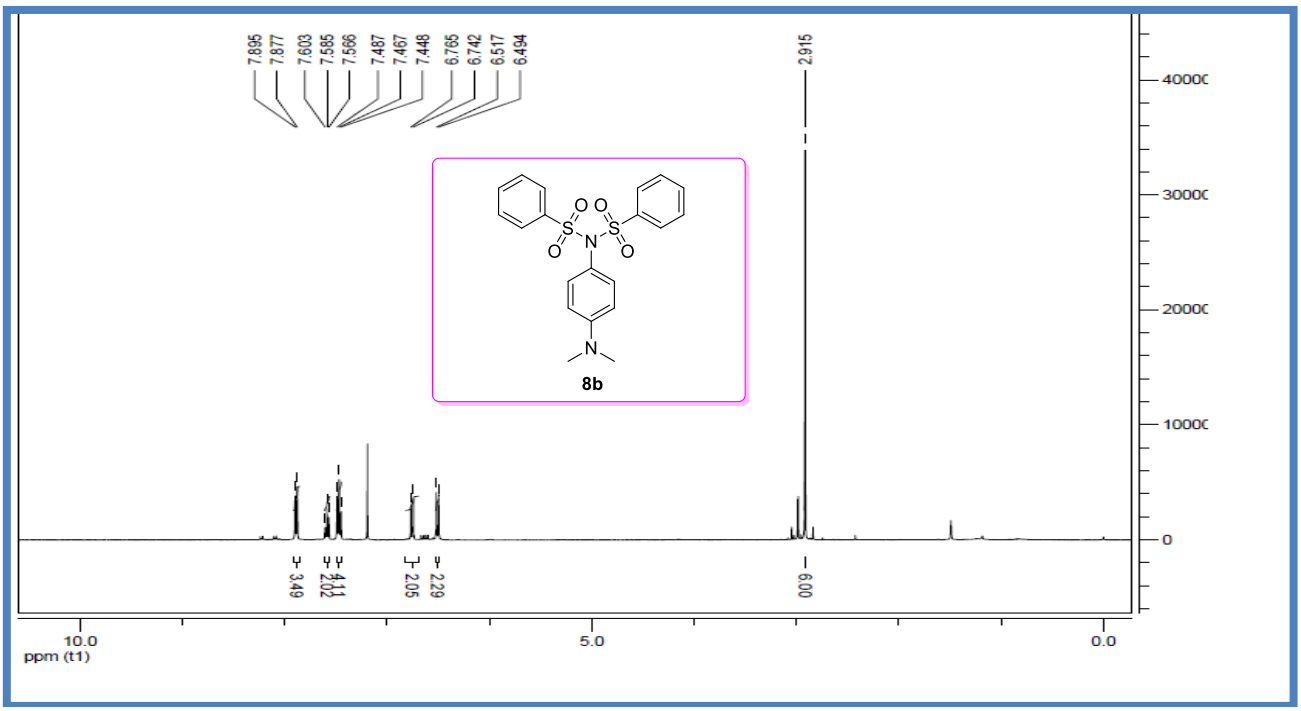

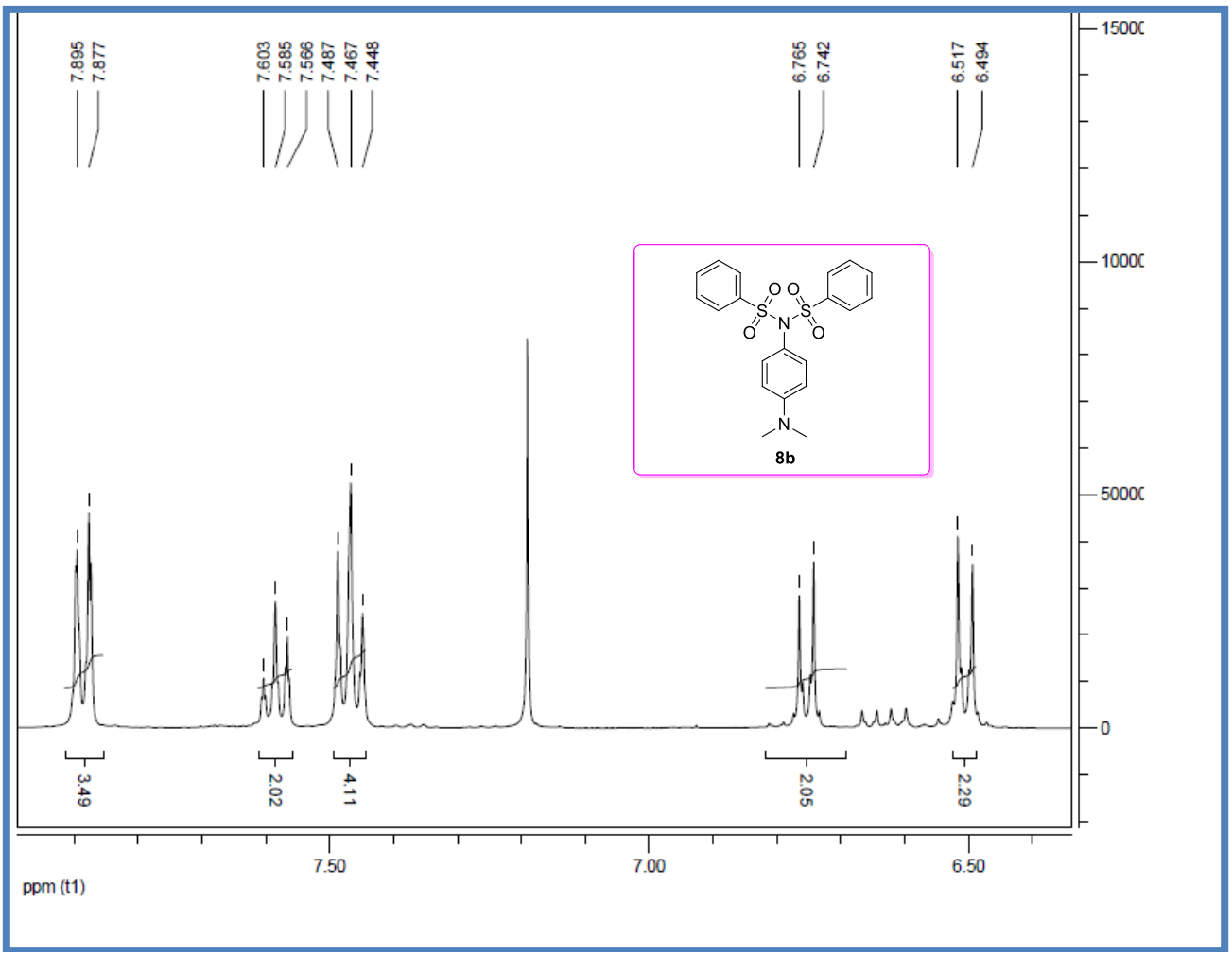

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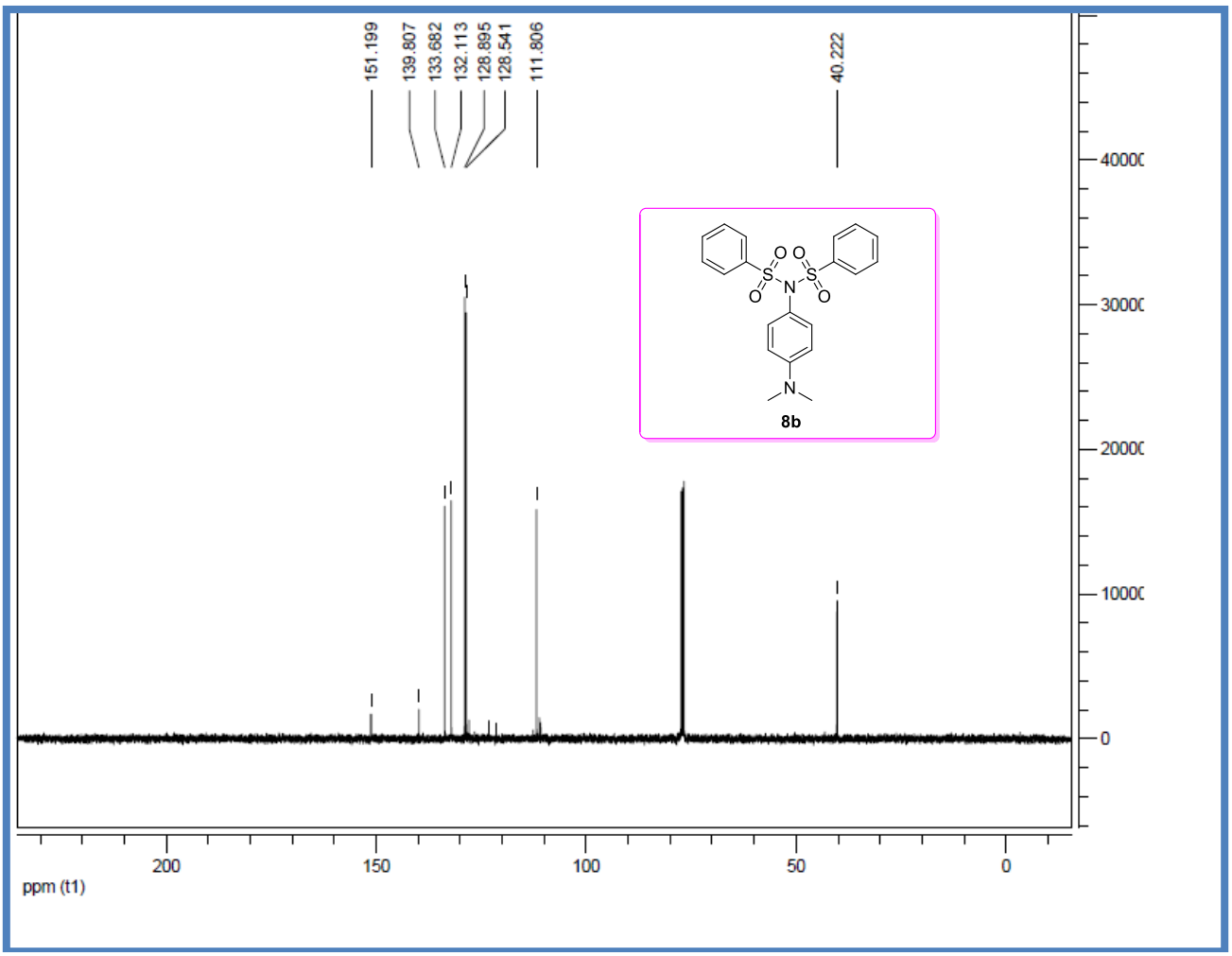

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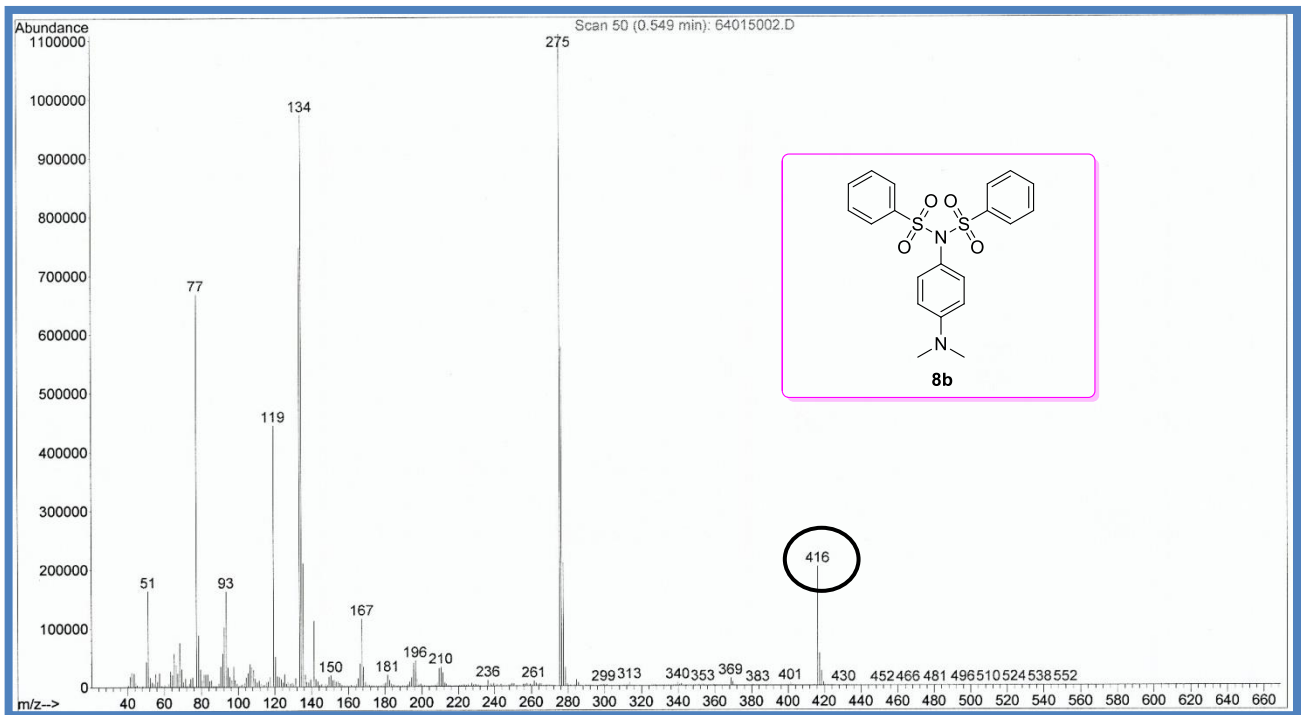

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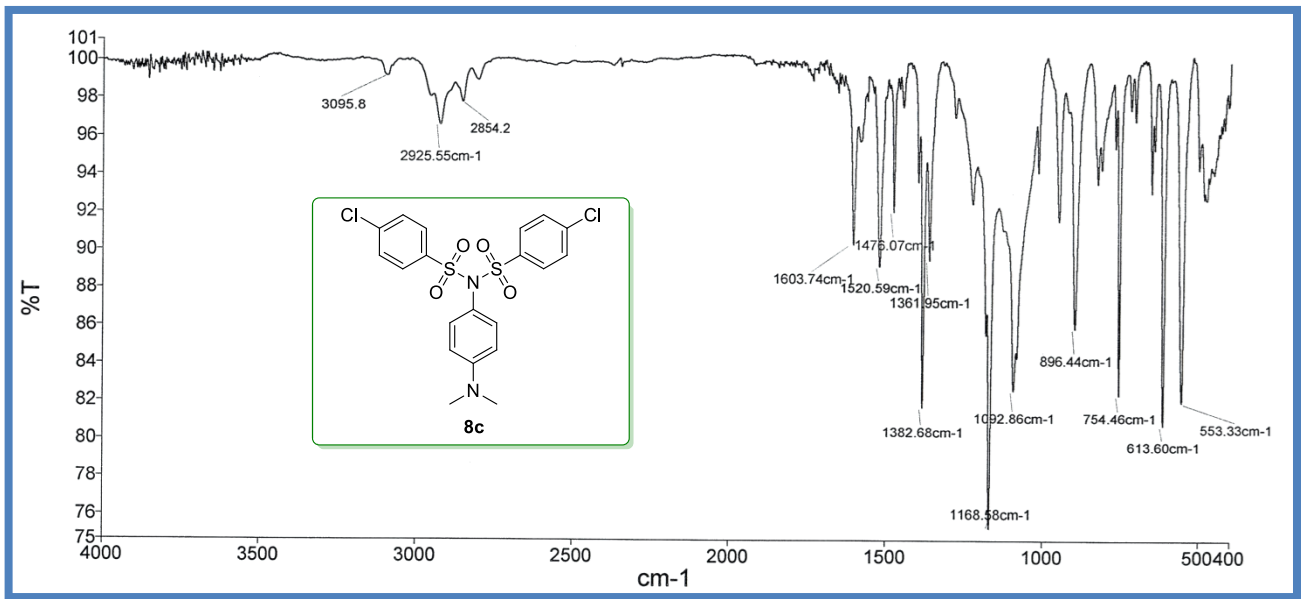

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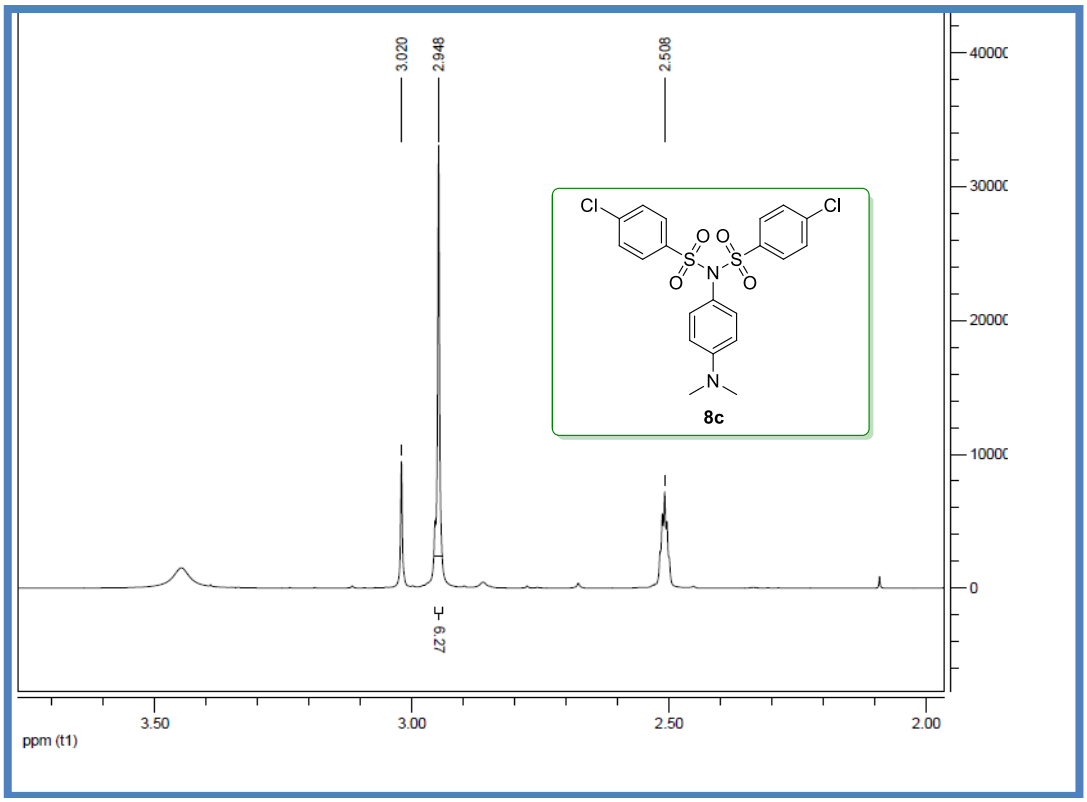

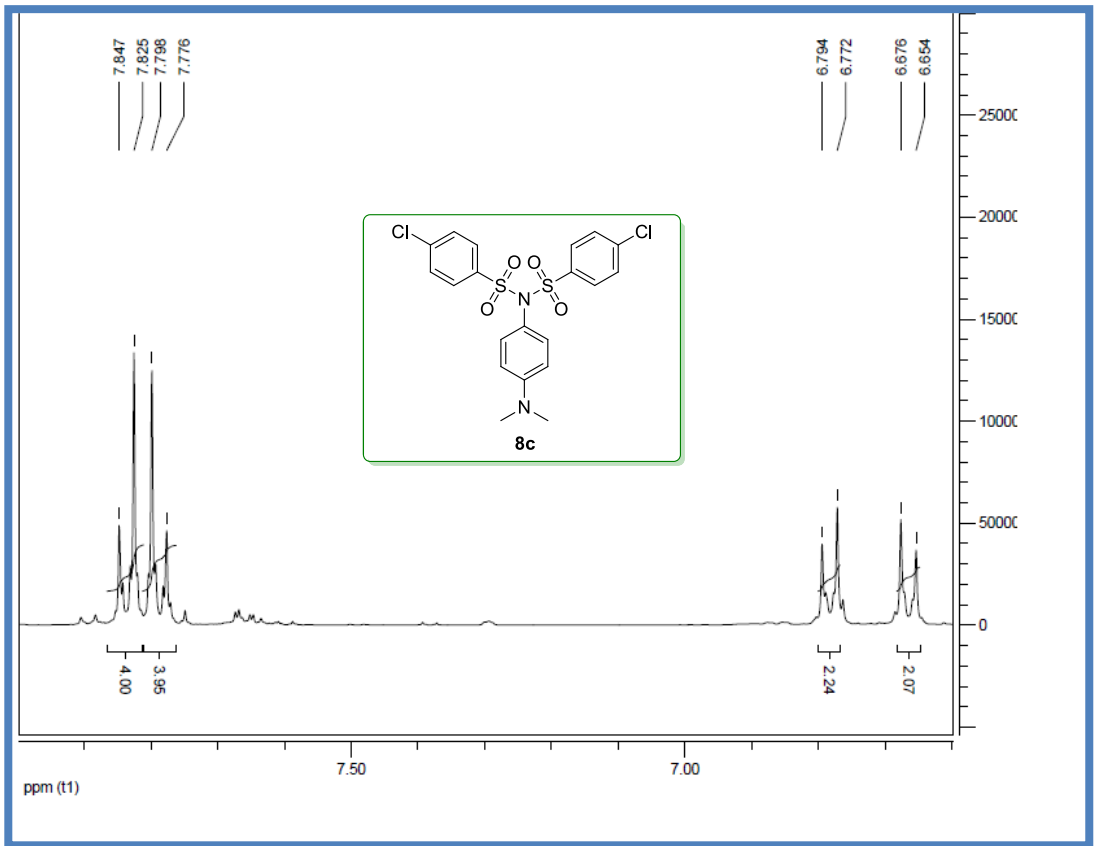

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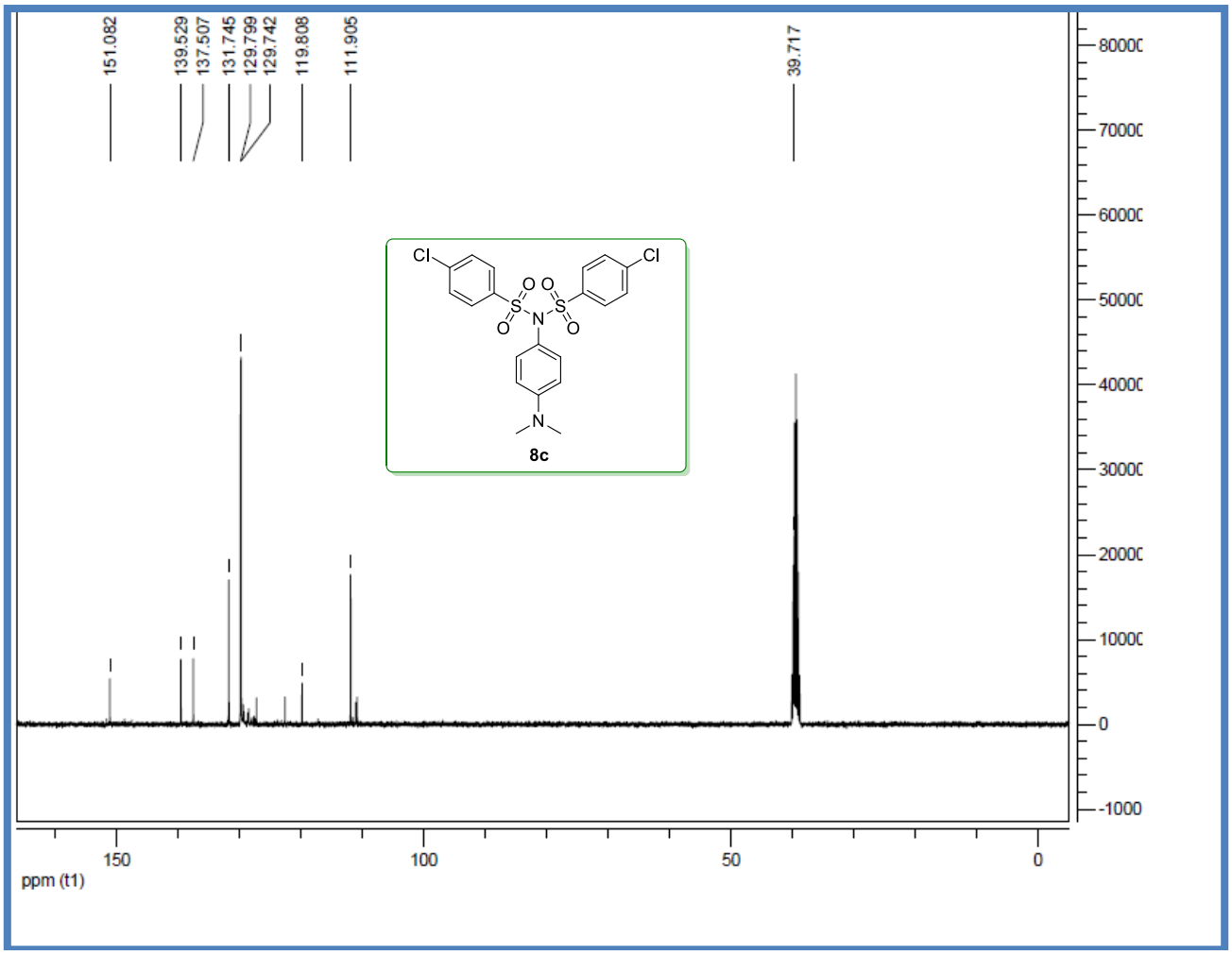

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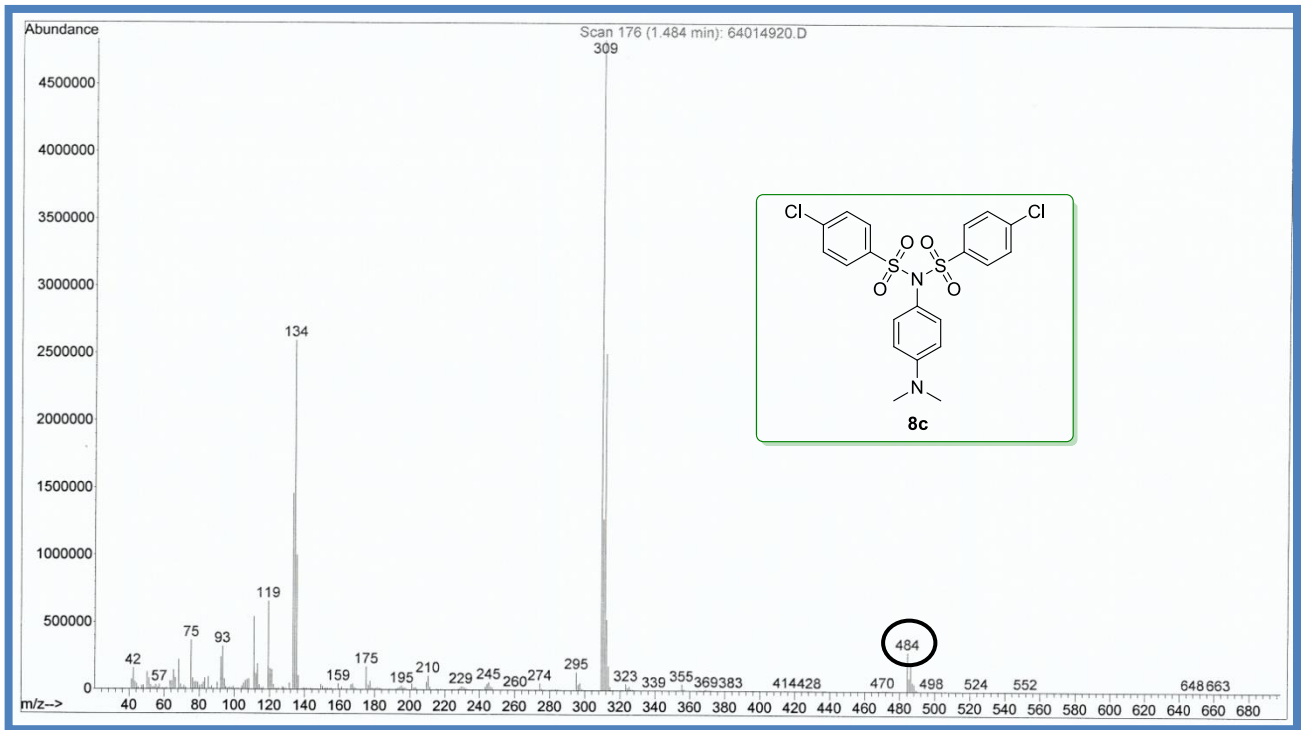

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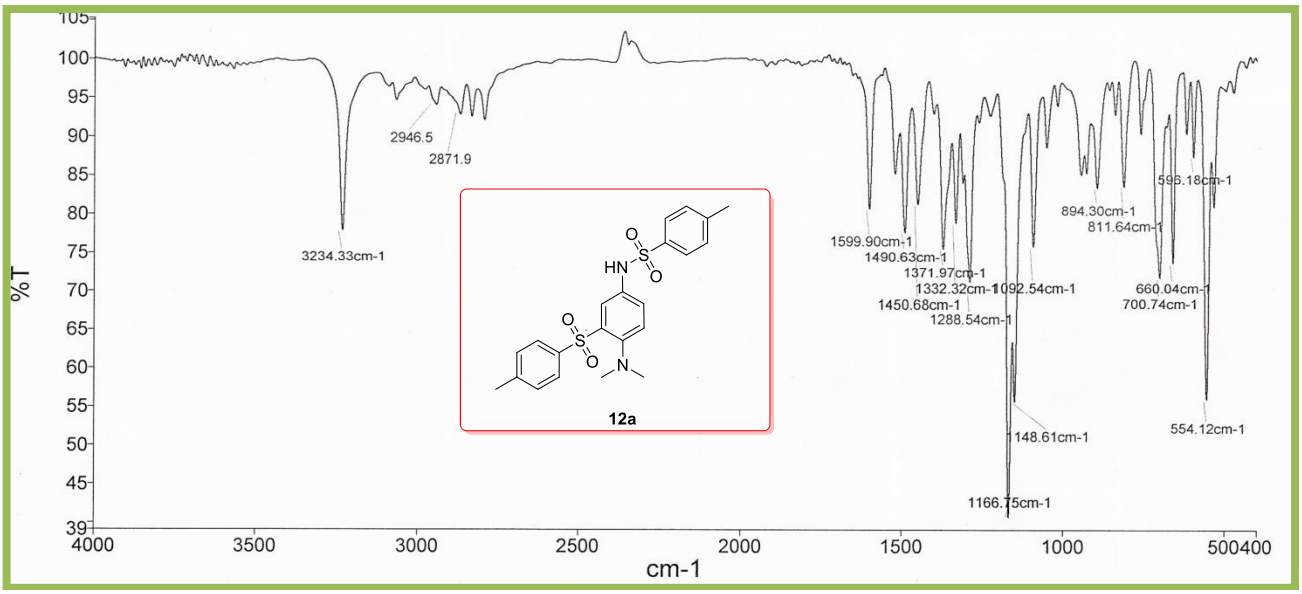

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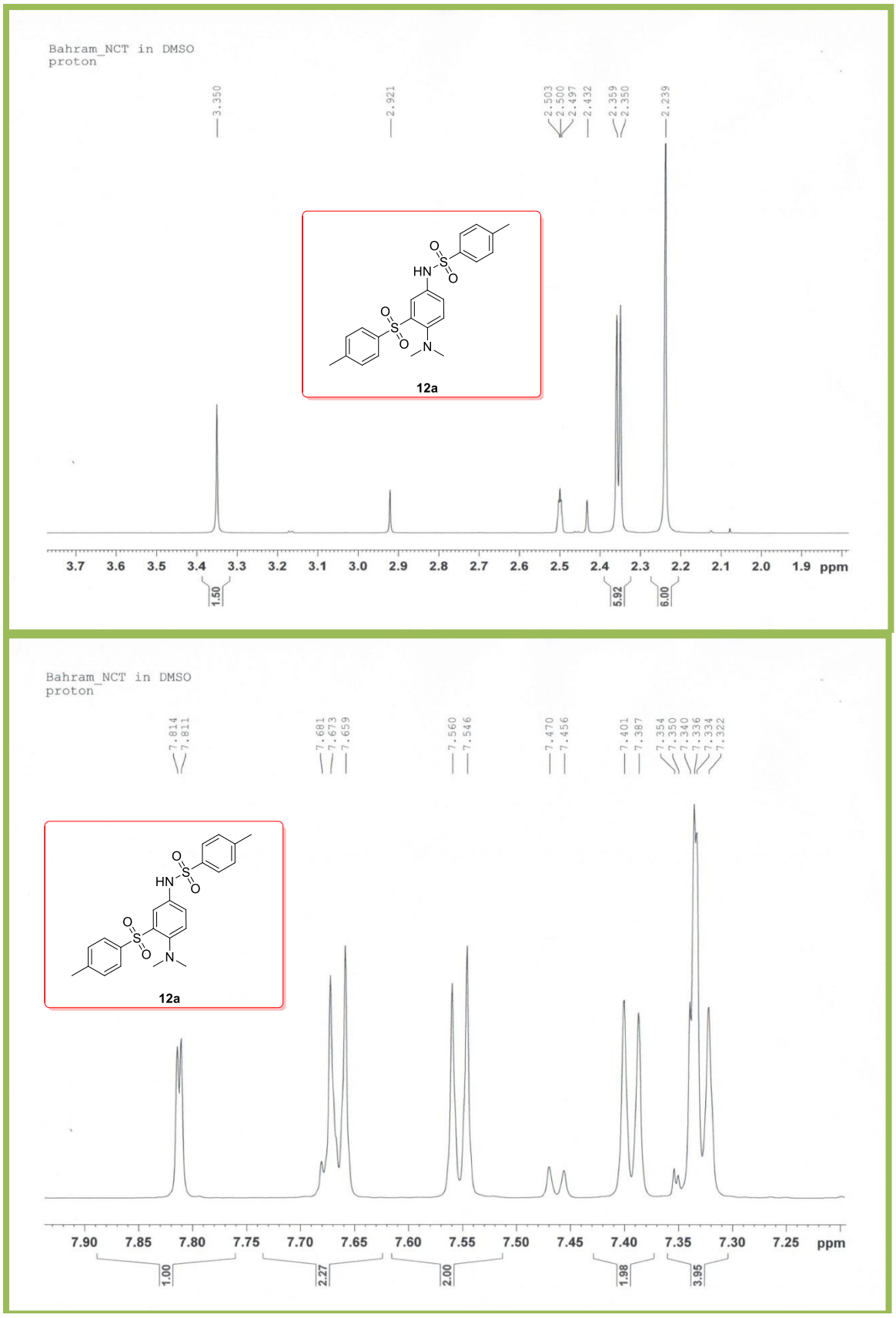

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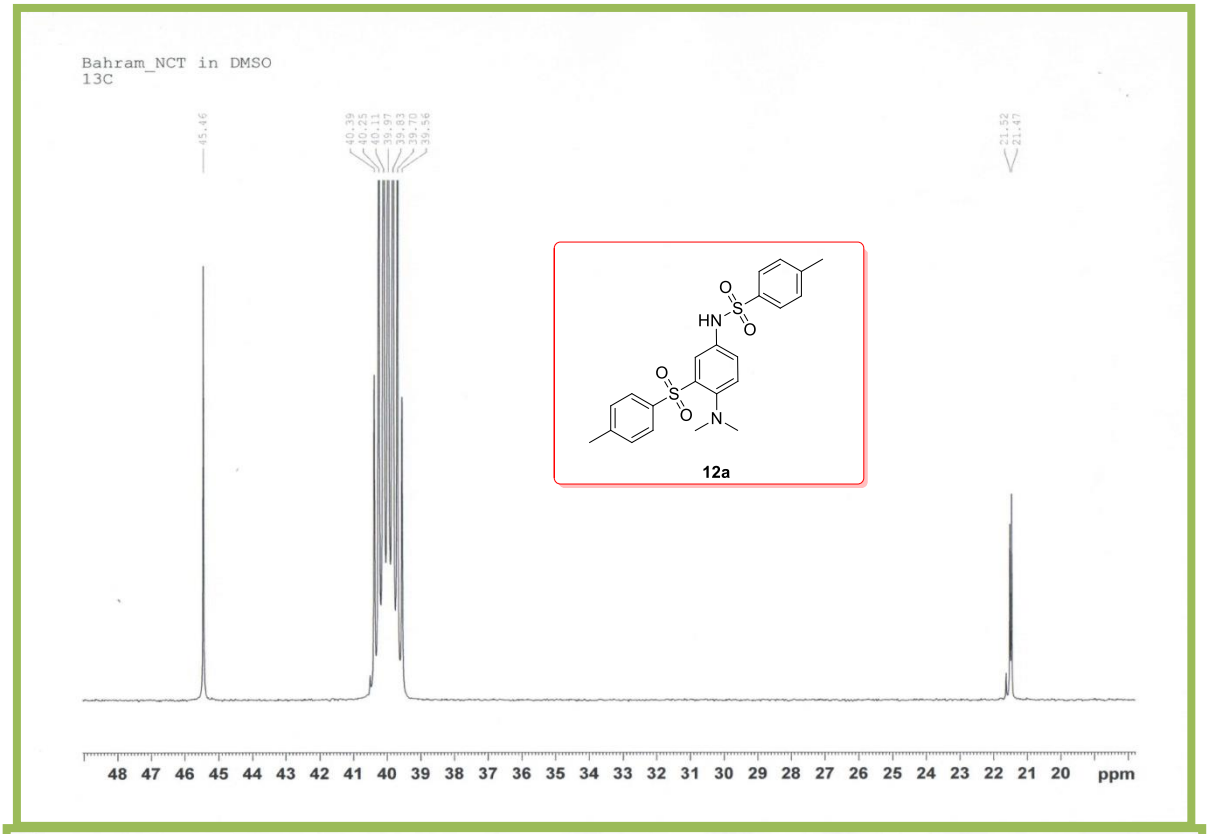

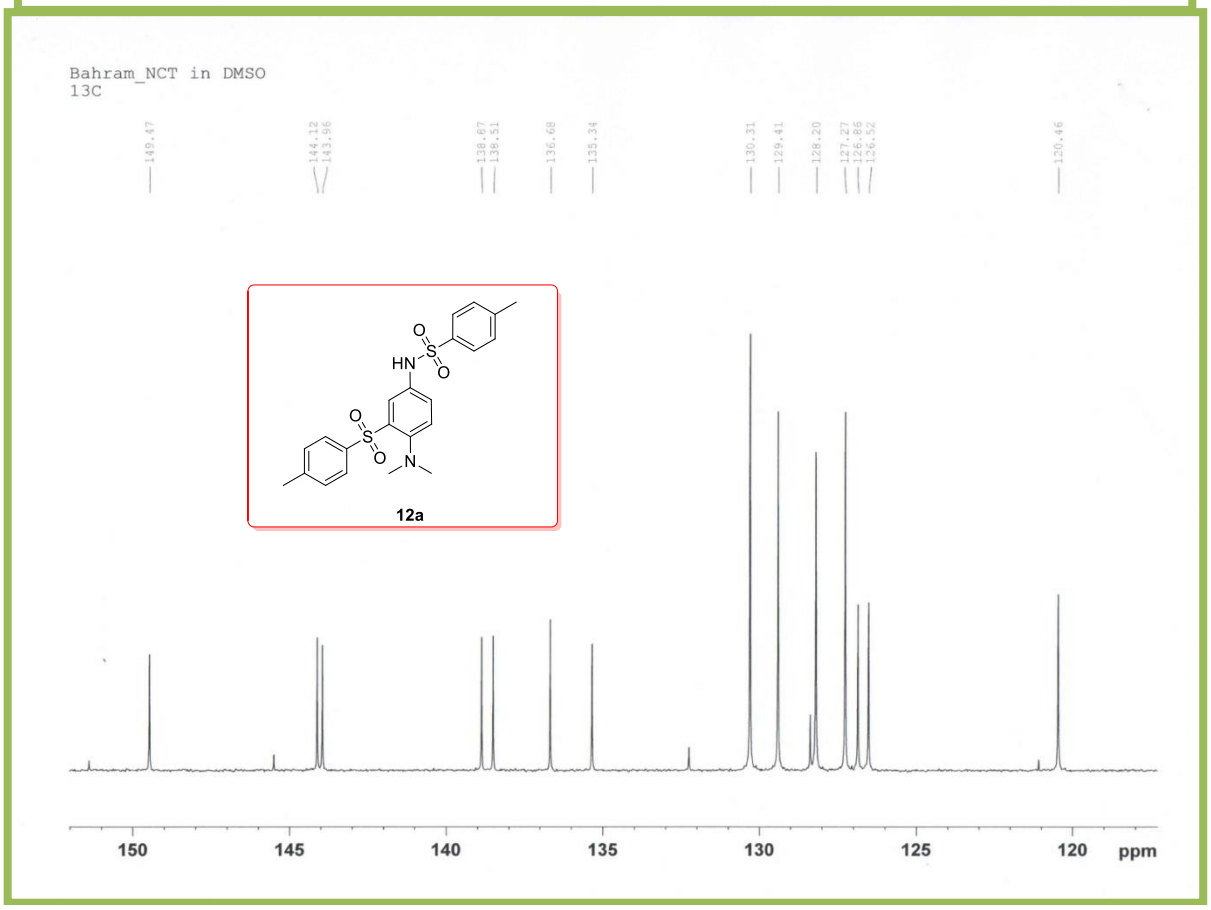

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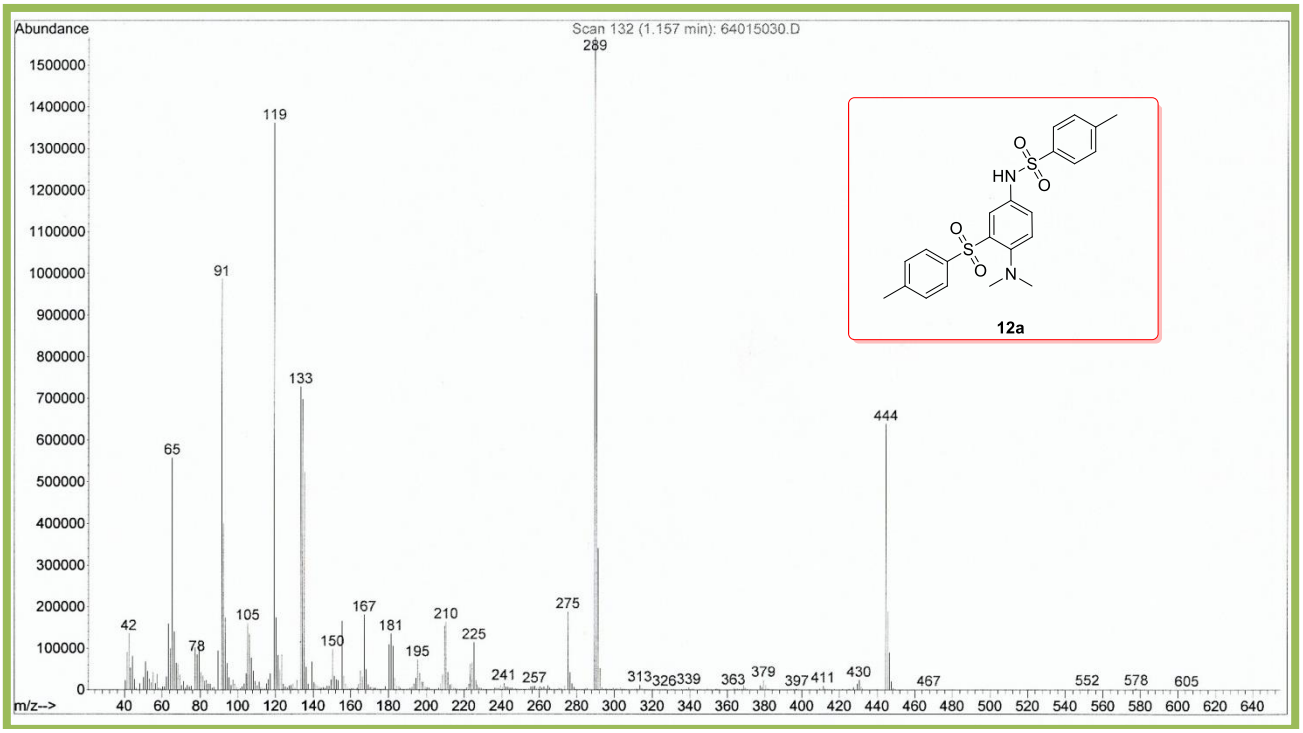

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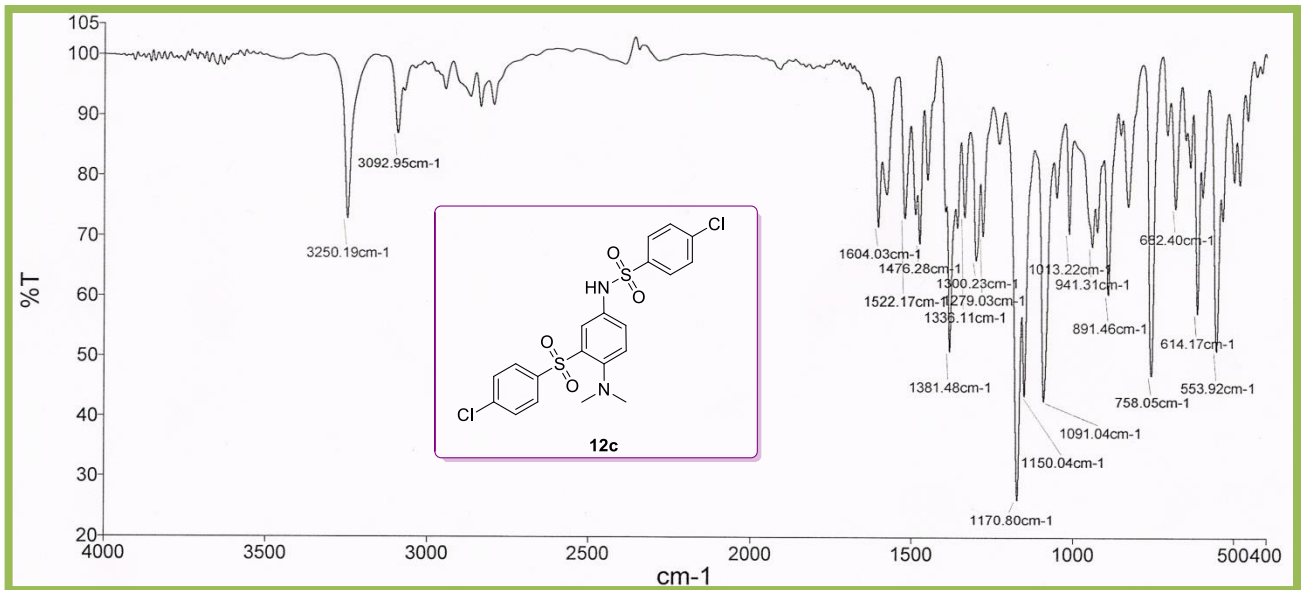

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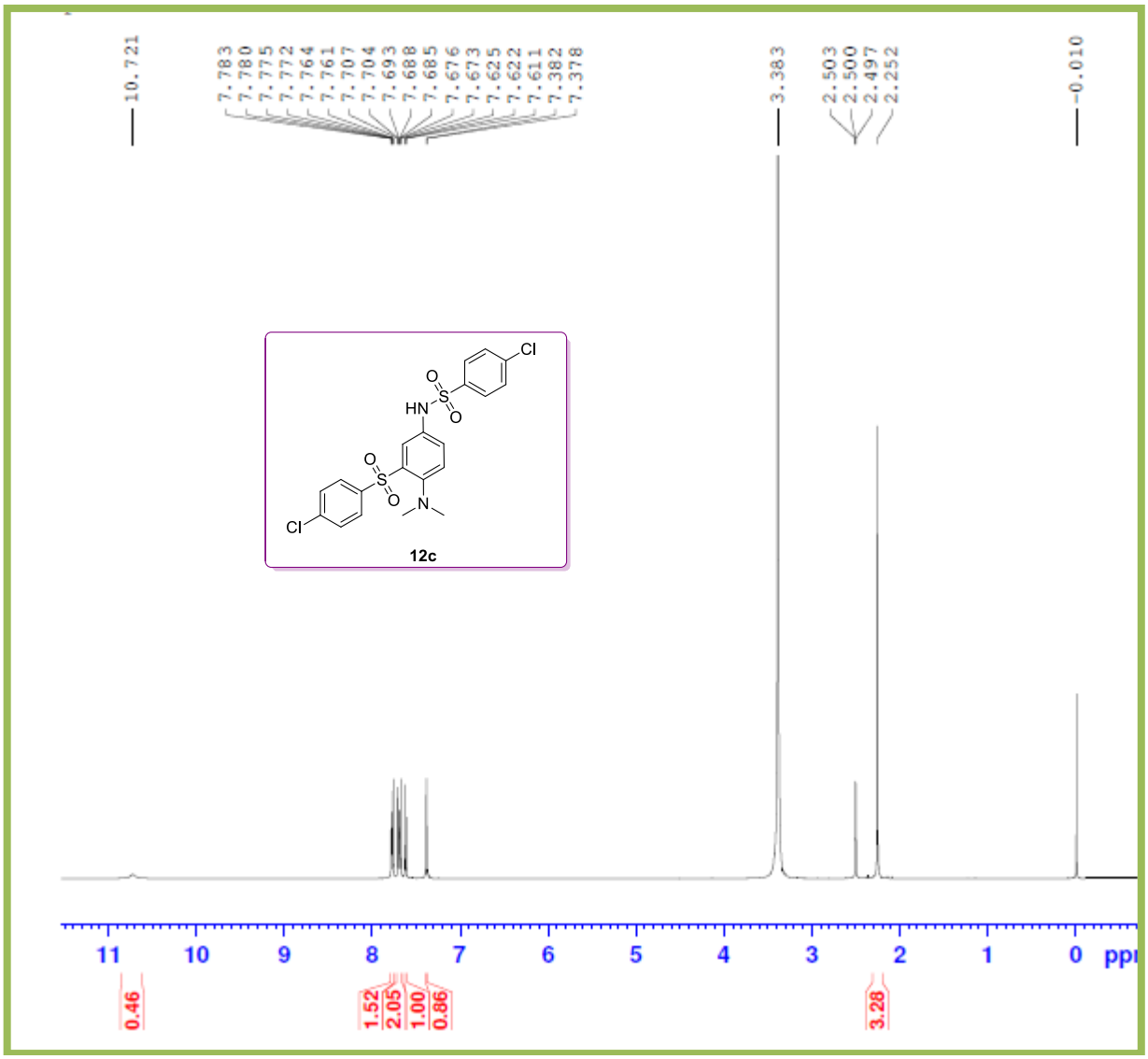

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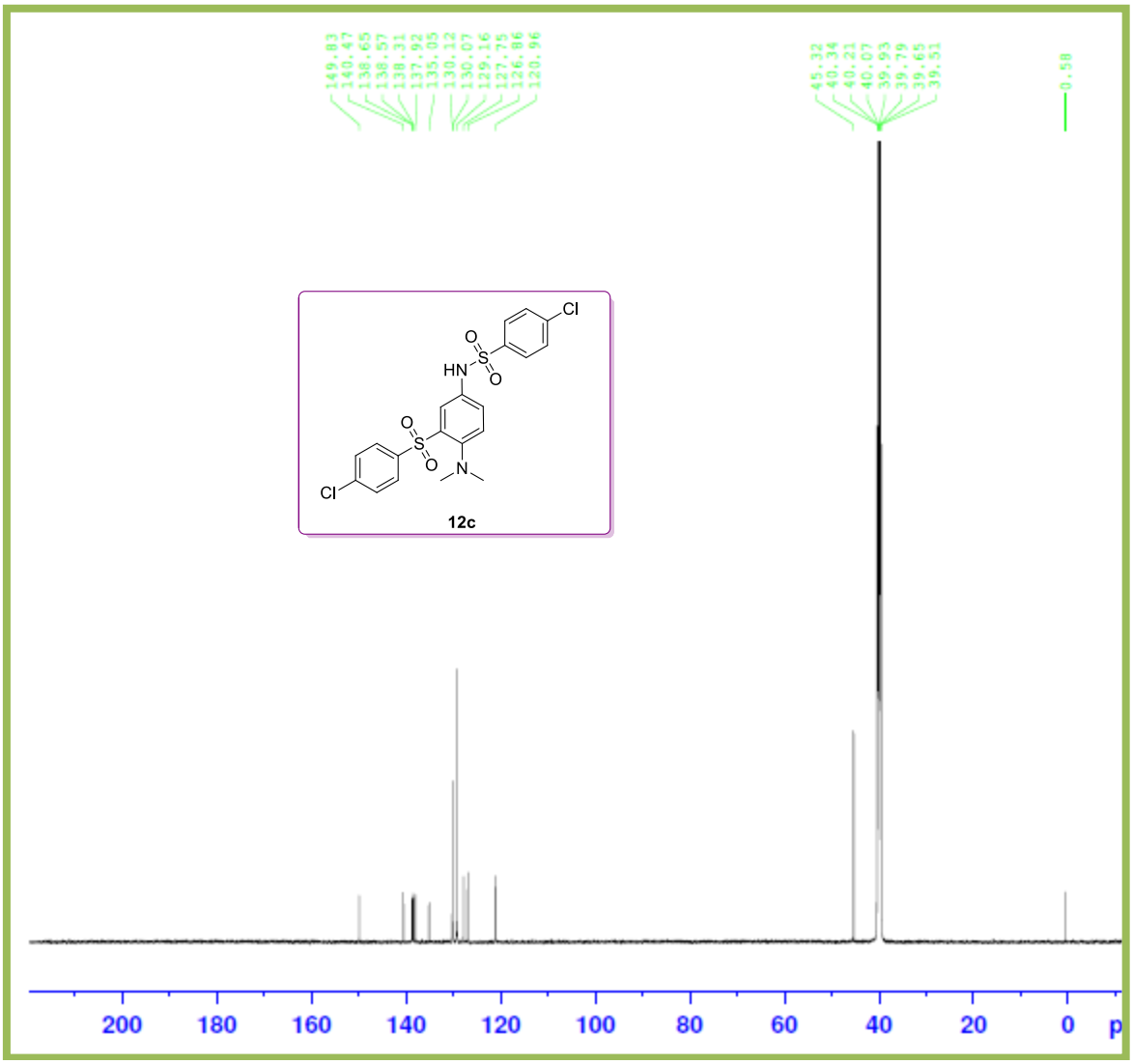

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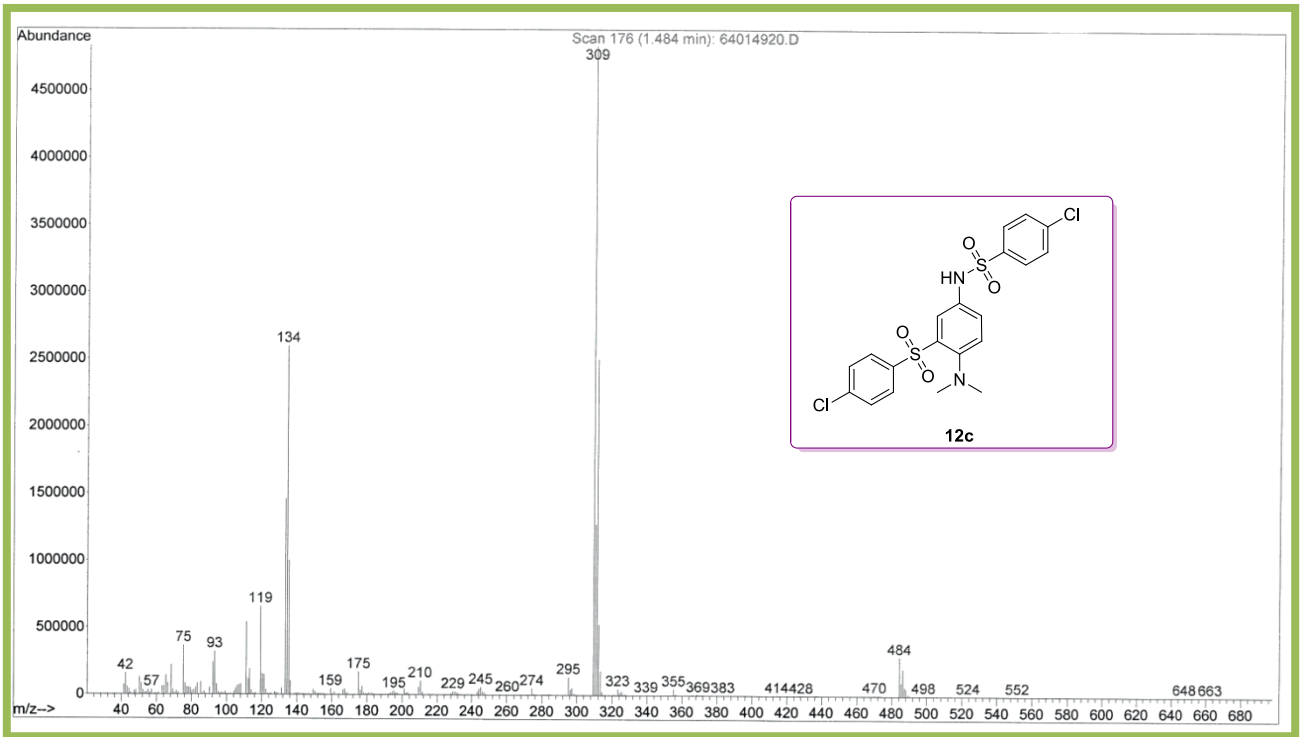
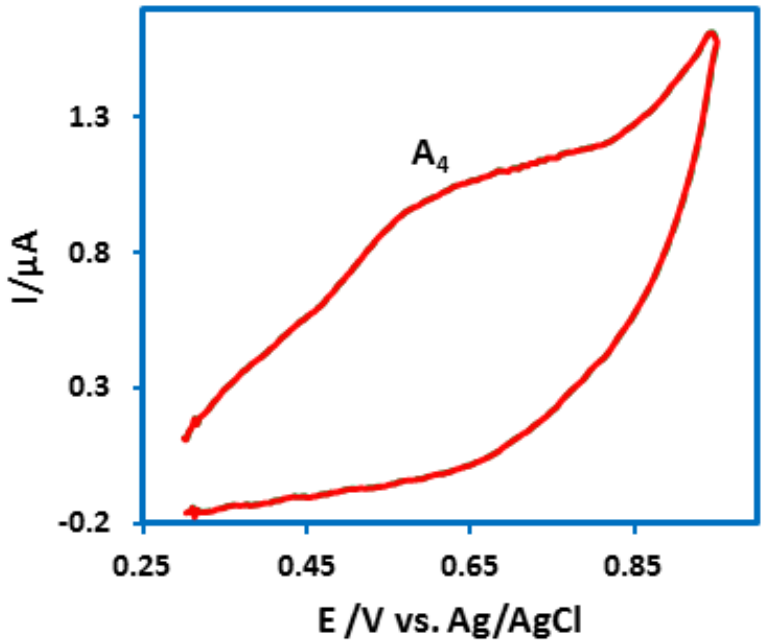
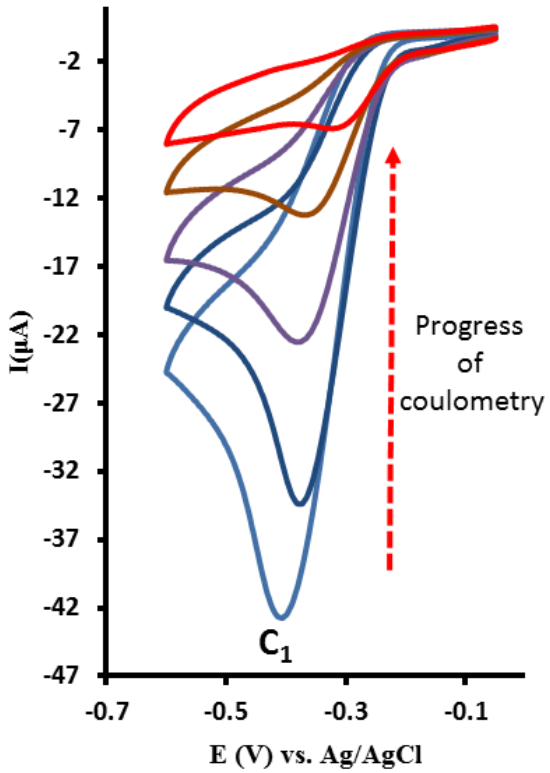


Cyclic Voltammogaram of 5a



Cyclic voltammogram of 4-toluenesulfinic acid (**5a**) at a glassy carbon electrode, in ethanol/water mixture (30/70) solution containing 0.2 M phosphate (pH 7.0). Scan rate: 50 mV s^{-1}, T = 25 ± 1 ^{o} C.

Cyclic Voltammogaram of 1 in the presence of 5a during CPC



Cyclic Voltammograms of 0.5 mmol (**1**) in the presence of 1.5 mmol 4-toluenesulfinic acid (**5a**) at a glassy carbon electrode in water/ethanol (70/30) solution containing 0.2 M phosphate (pH=7.0) during controlled-potential coulometry at 0.90 V versus SCE. Scan rate: 100 mV s^{-1}. *T* = 25 ± 1 ºC.