

CuI/TMEDA-Catalyzed Annulation of 2-Bromo Alkynylbenzenes with Na₂S: Synthesis of Benzo[*b*]thiophenes

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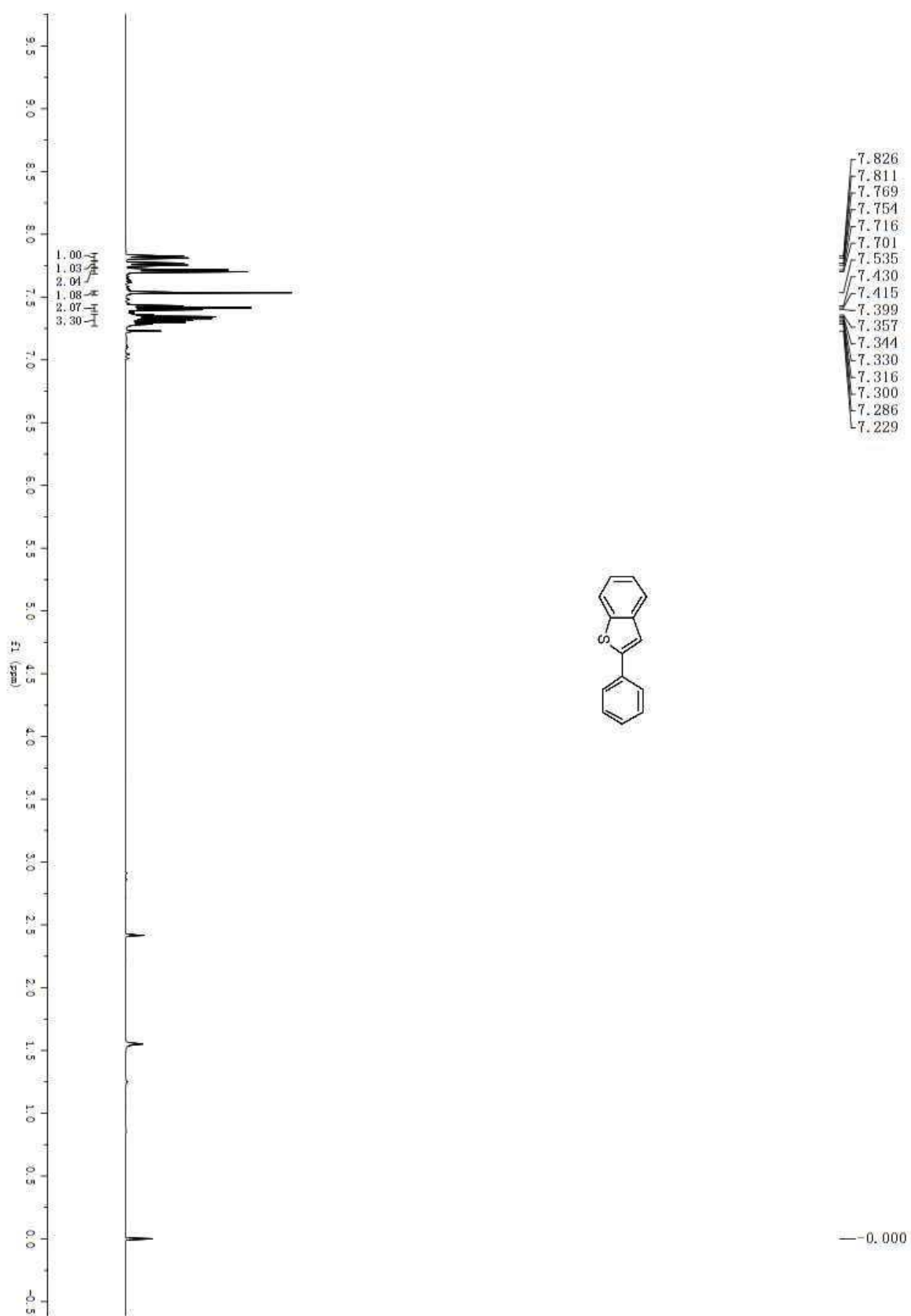
E-mail: zxg@wzu.edu.cn

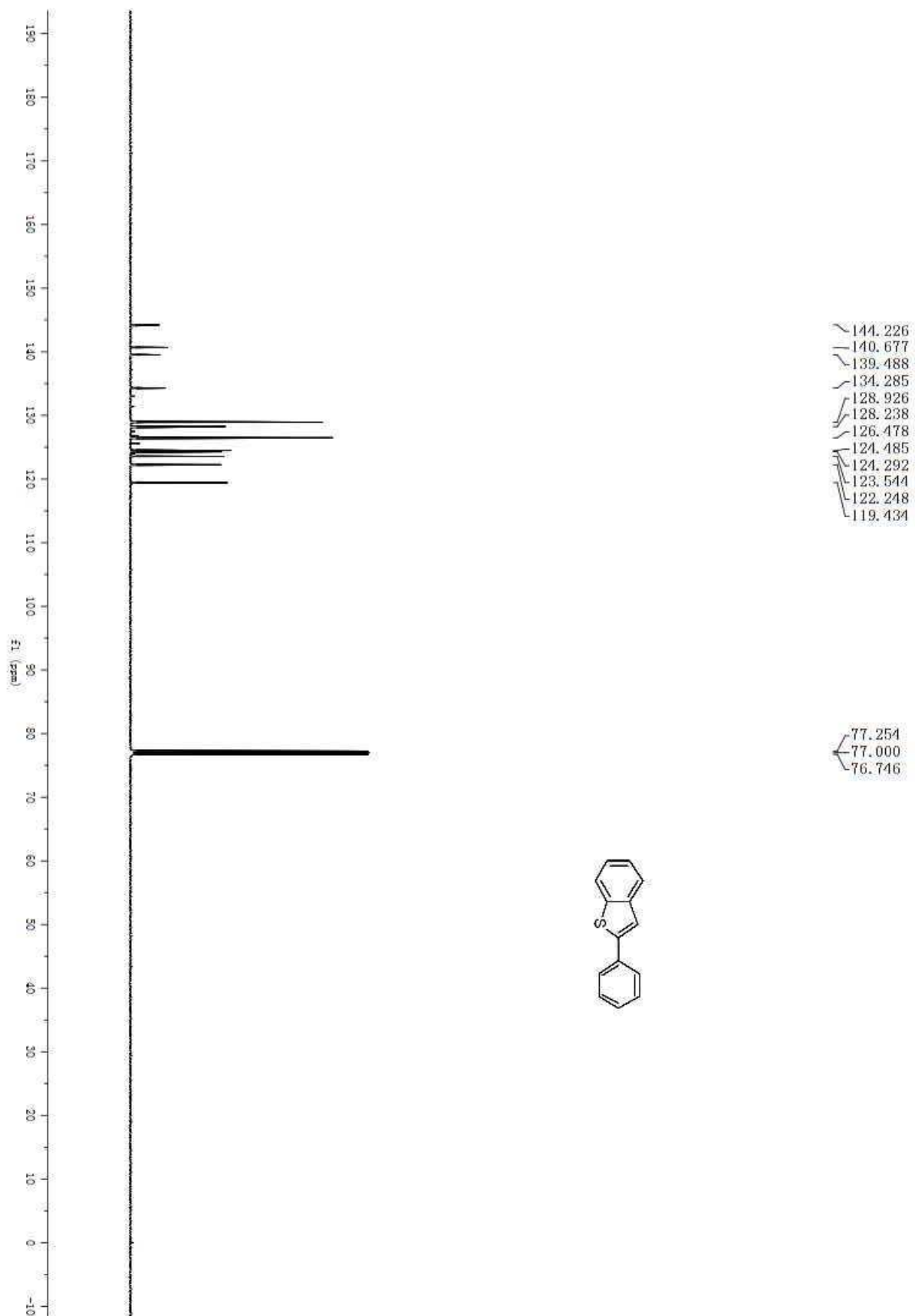
Supporting Information

Contents:

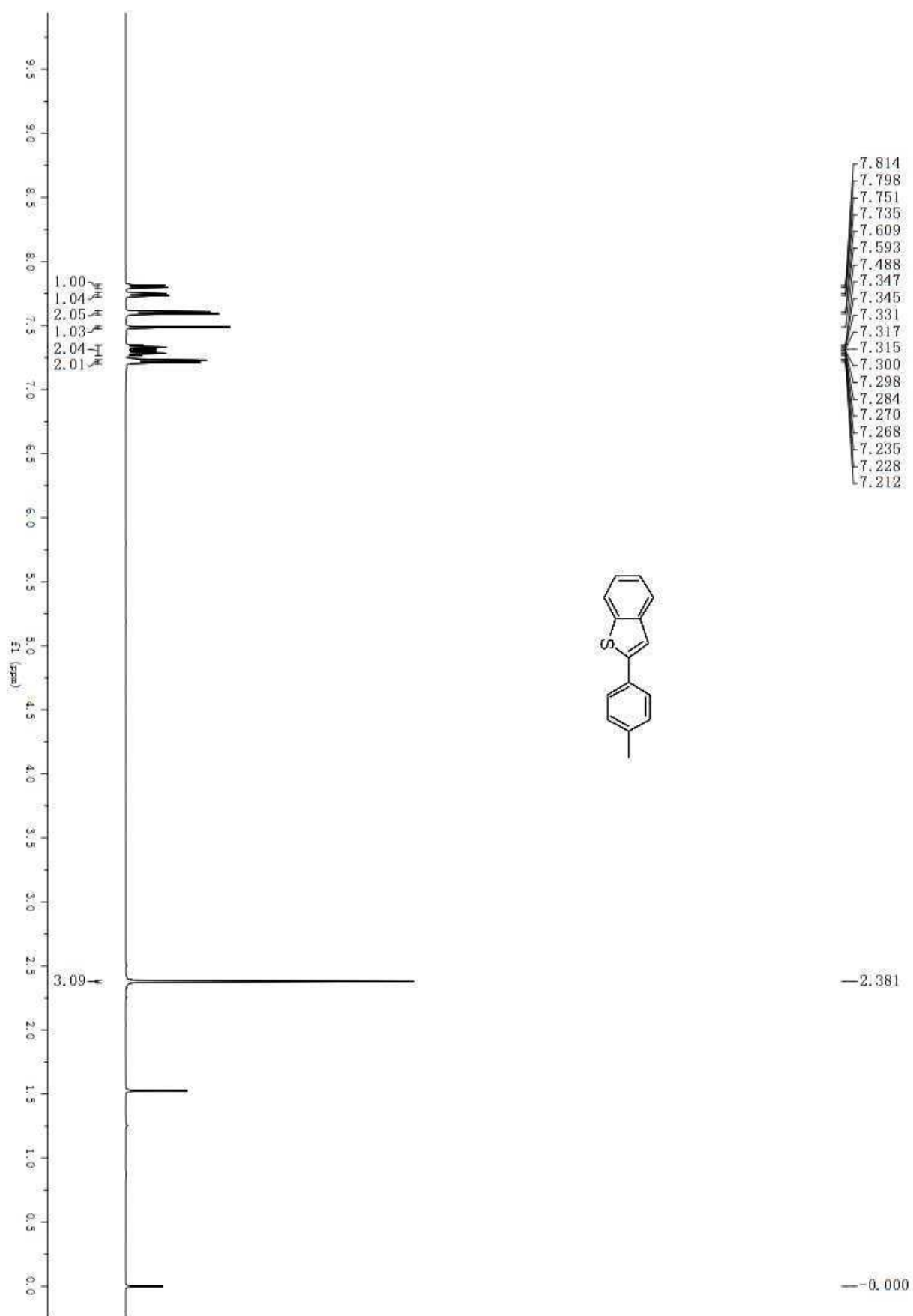
¹H and ¹³C NMR Spectra of compounds **2a-2v** S2-S42

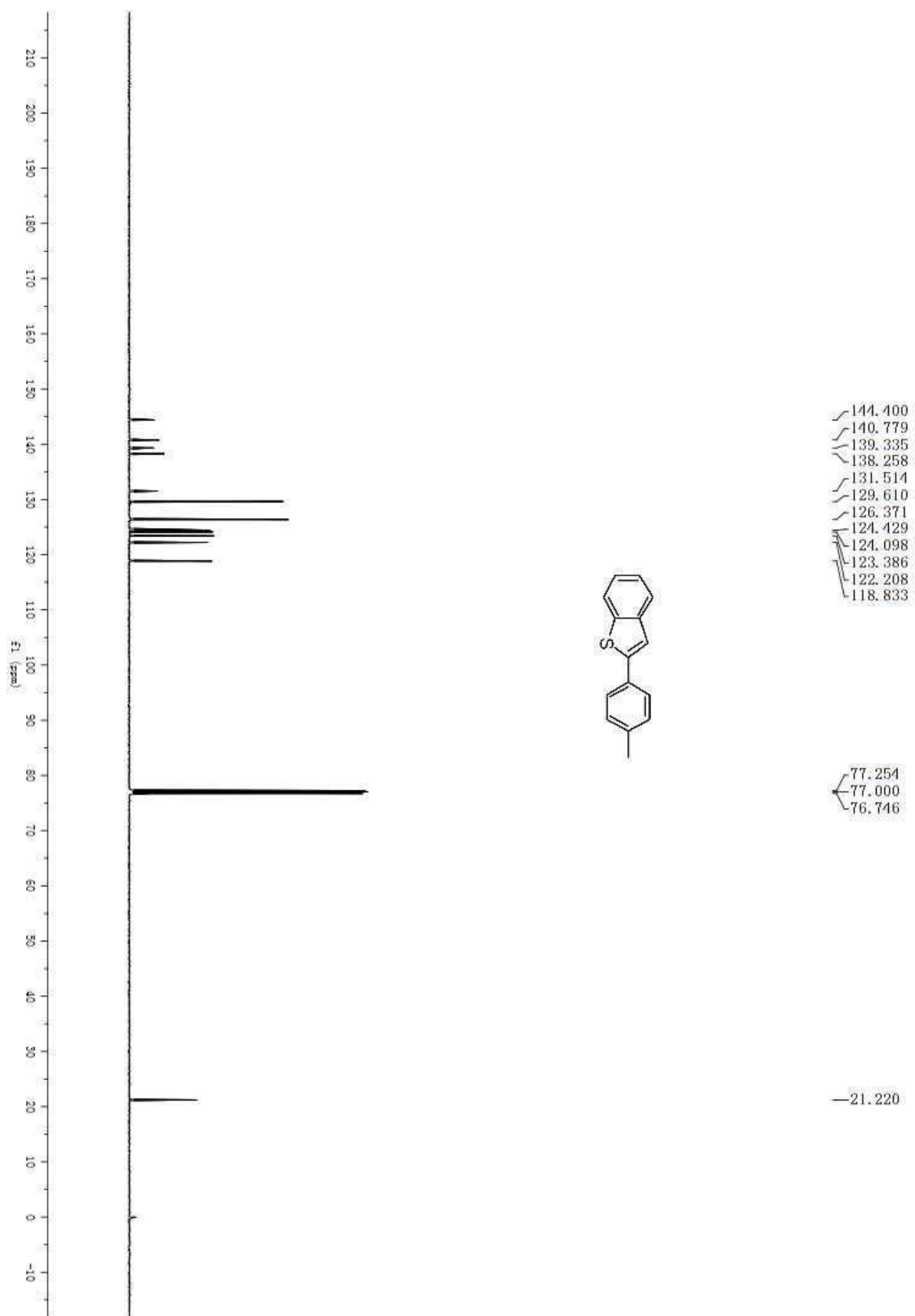
2-phenylbenzo[*b*]thiophene (2a)



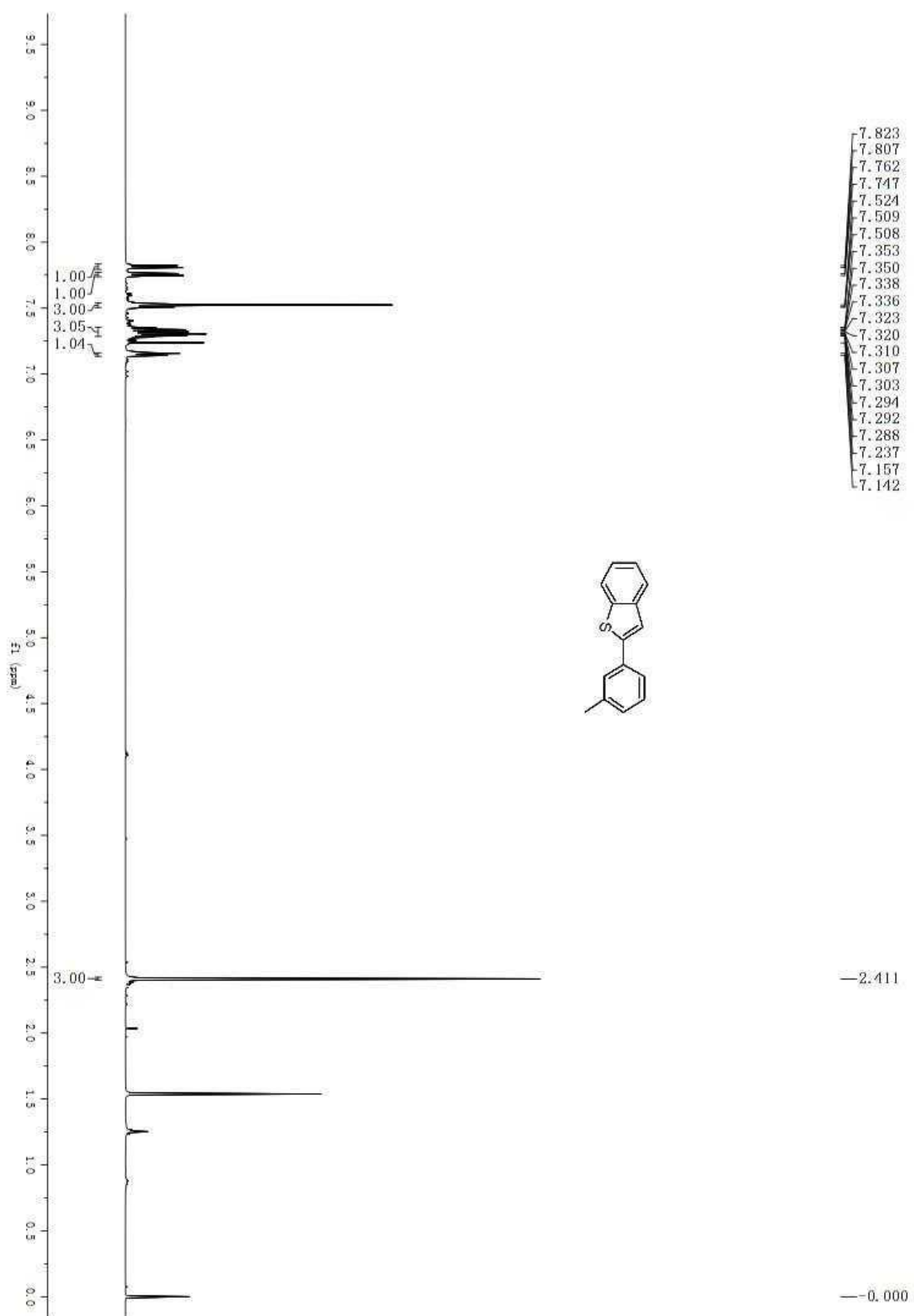


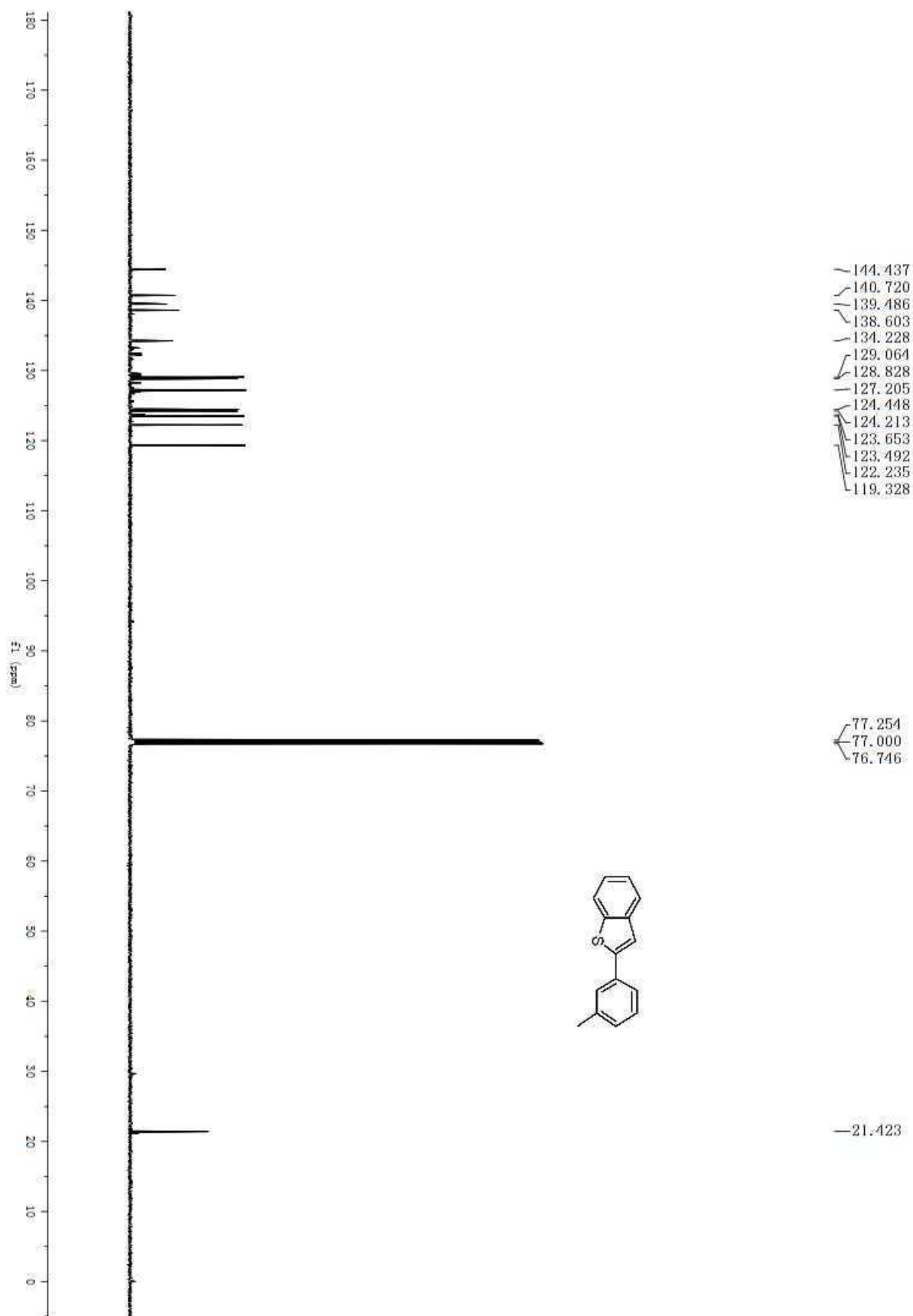
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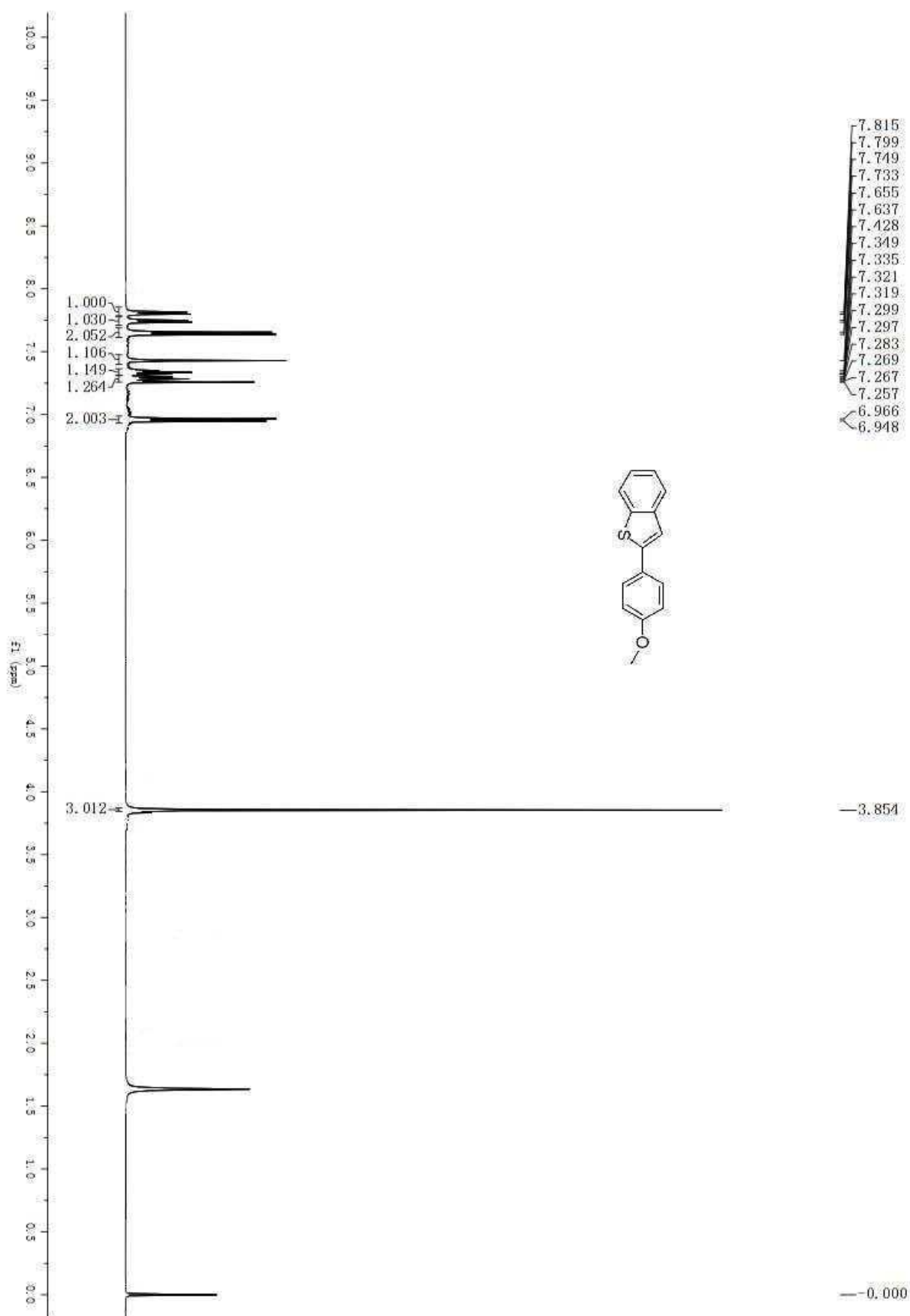


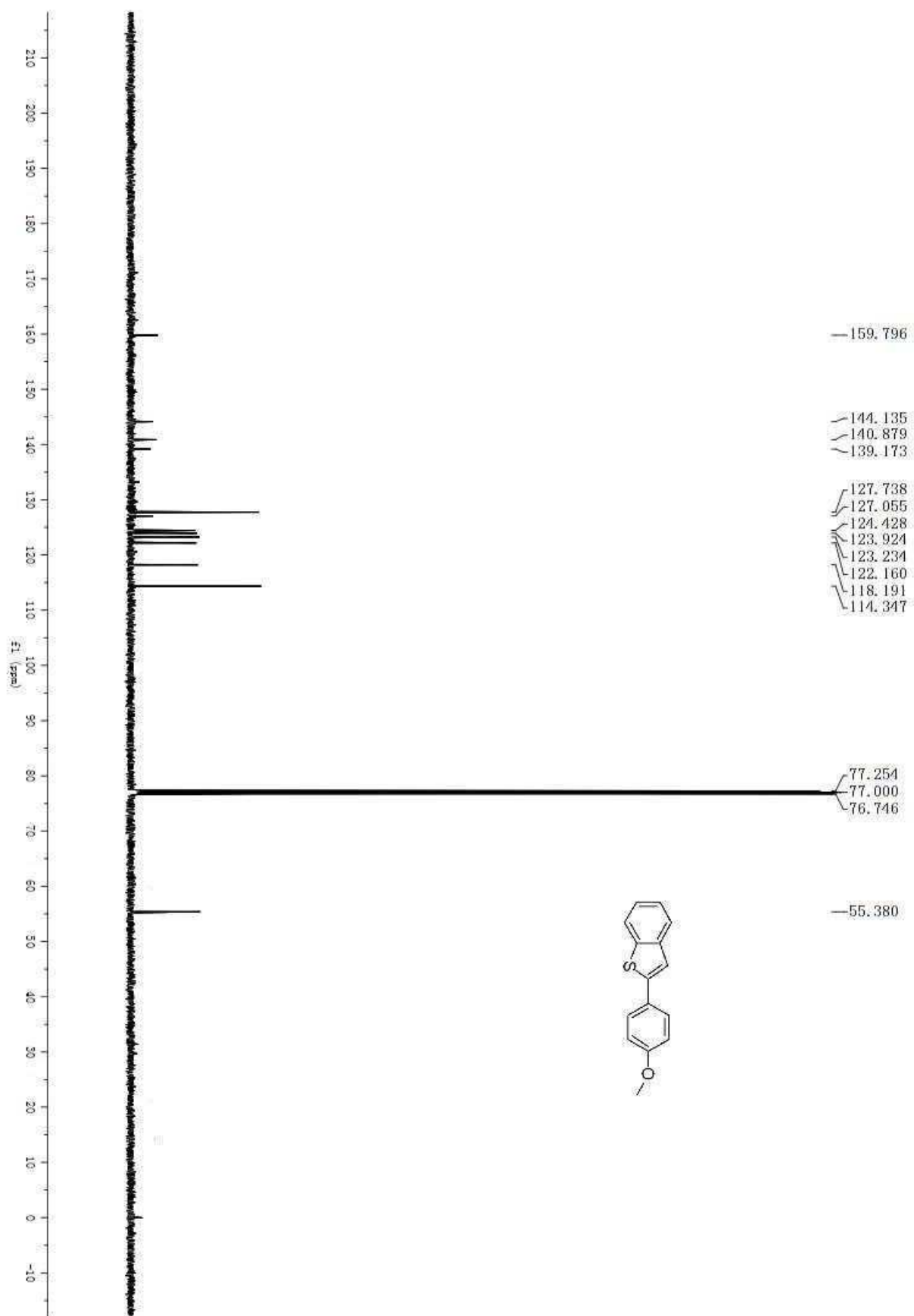
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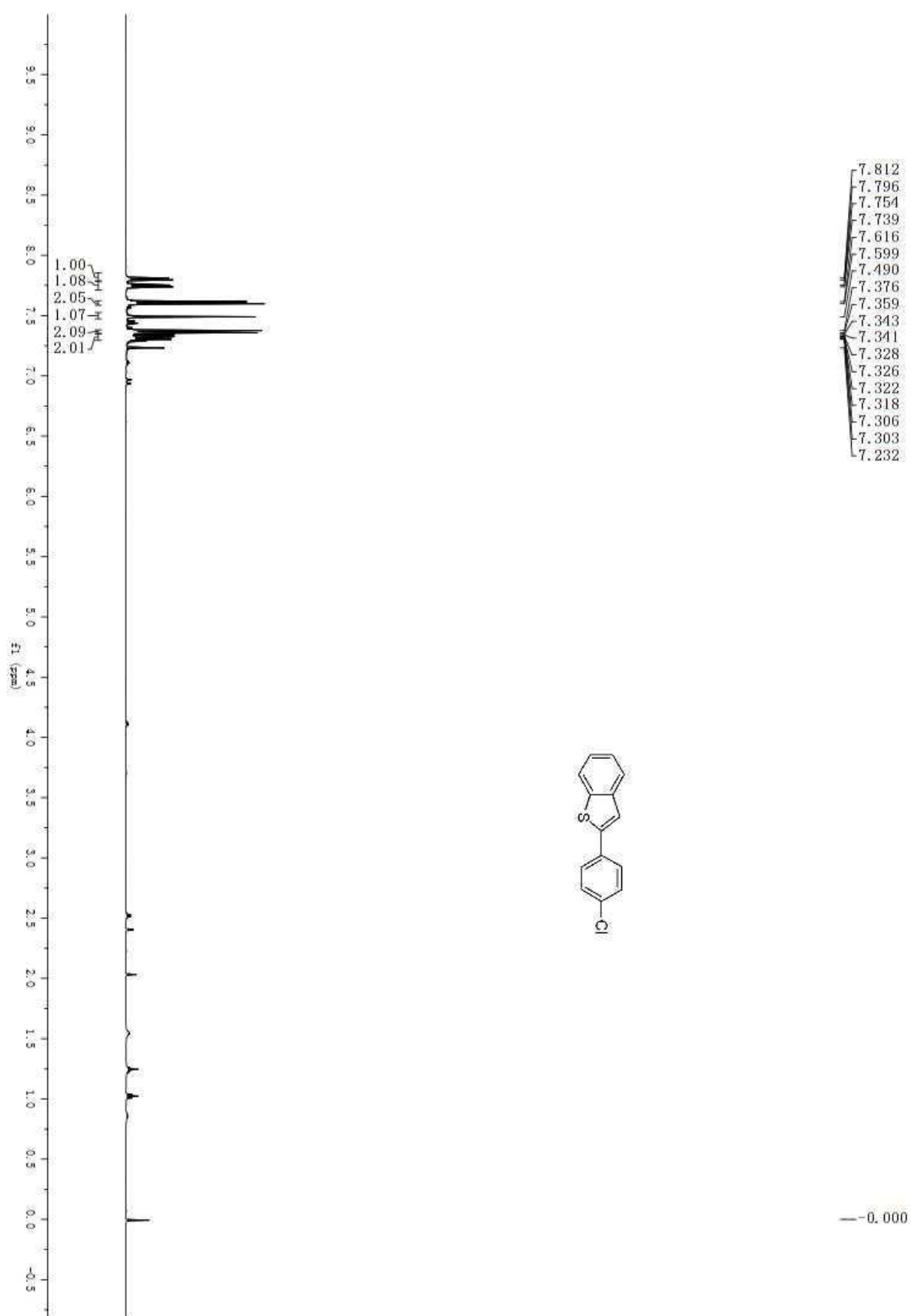


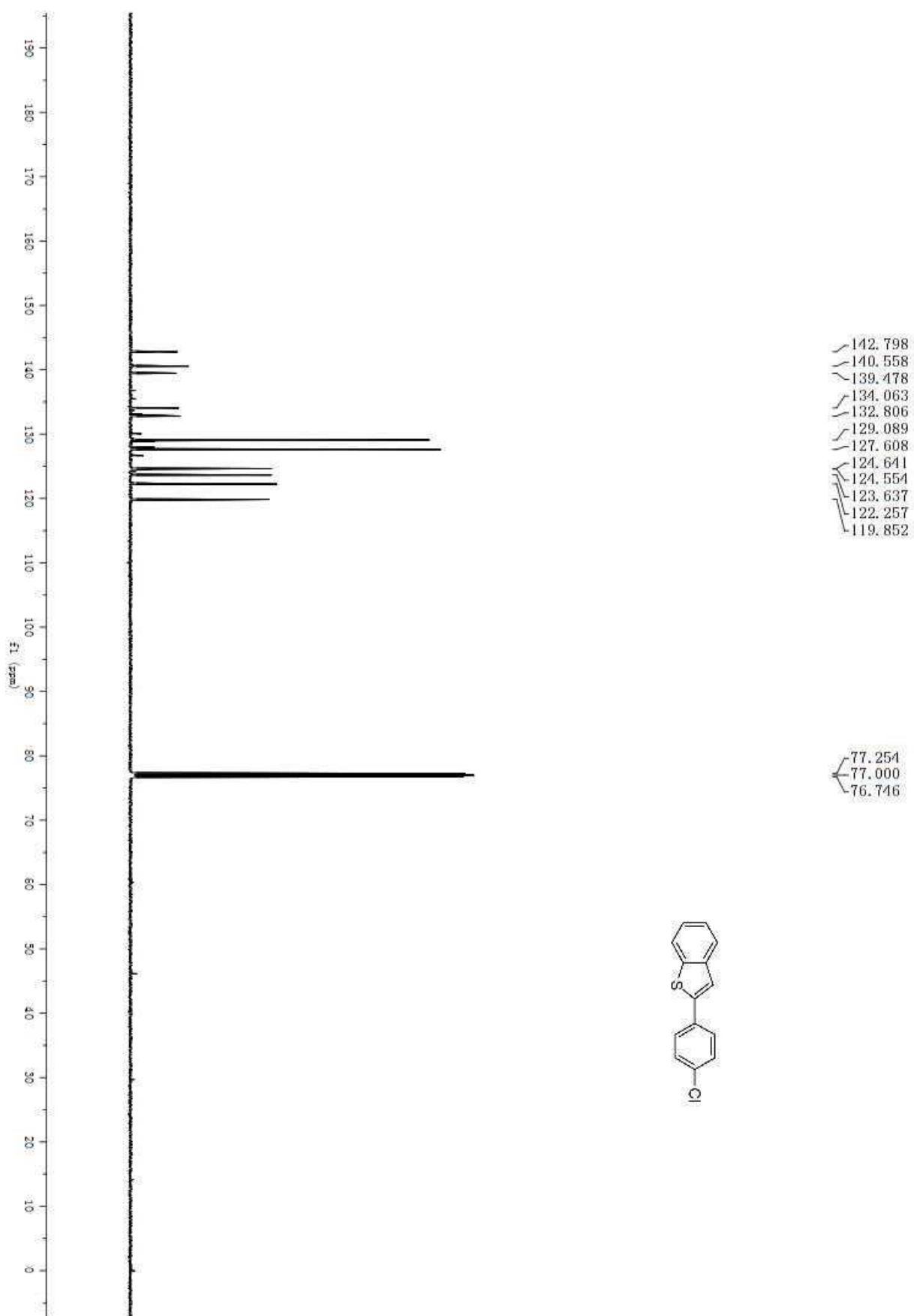
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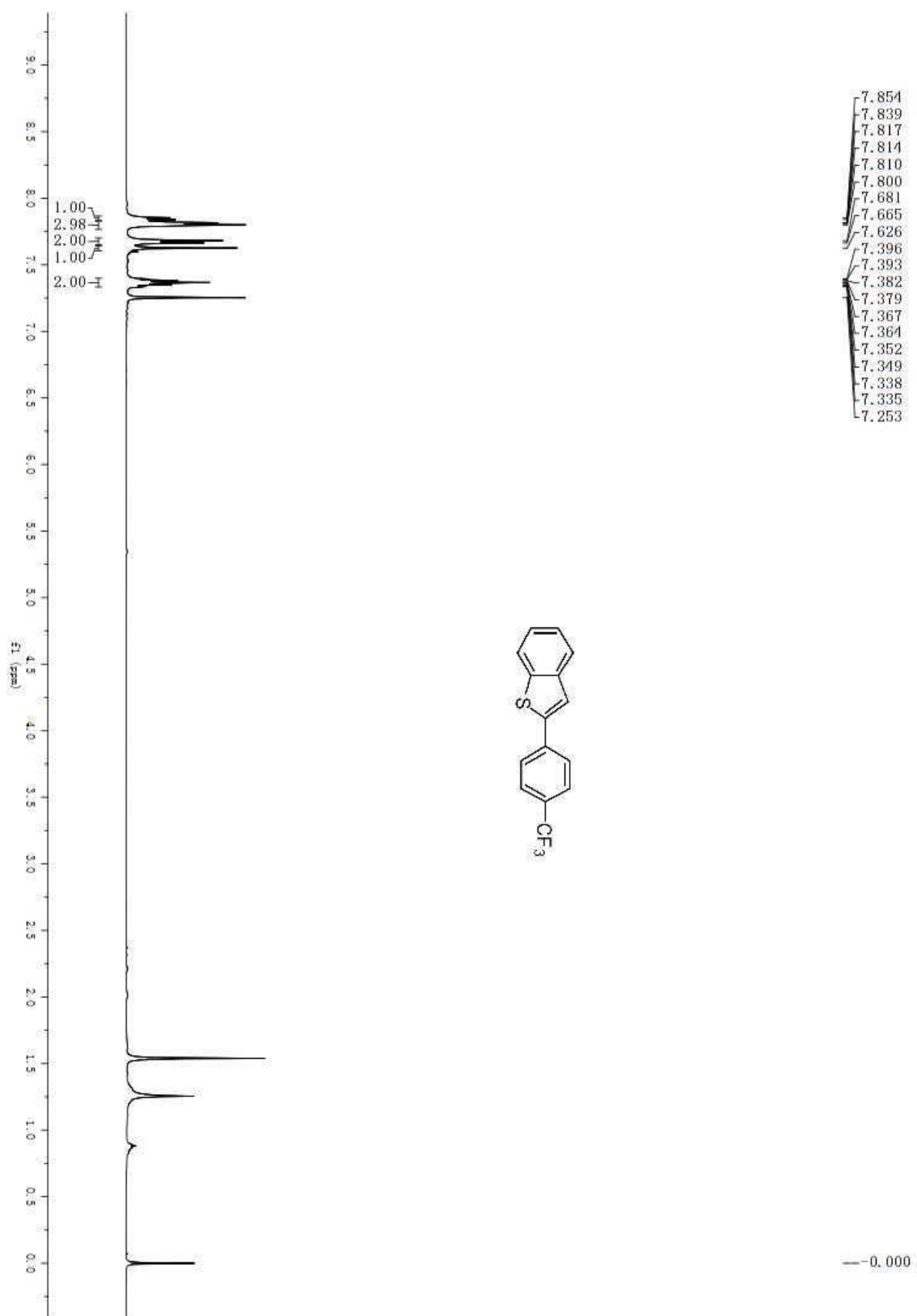


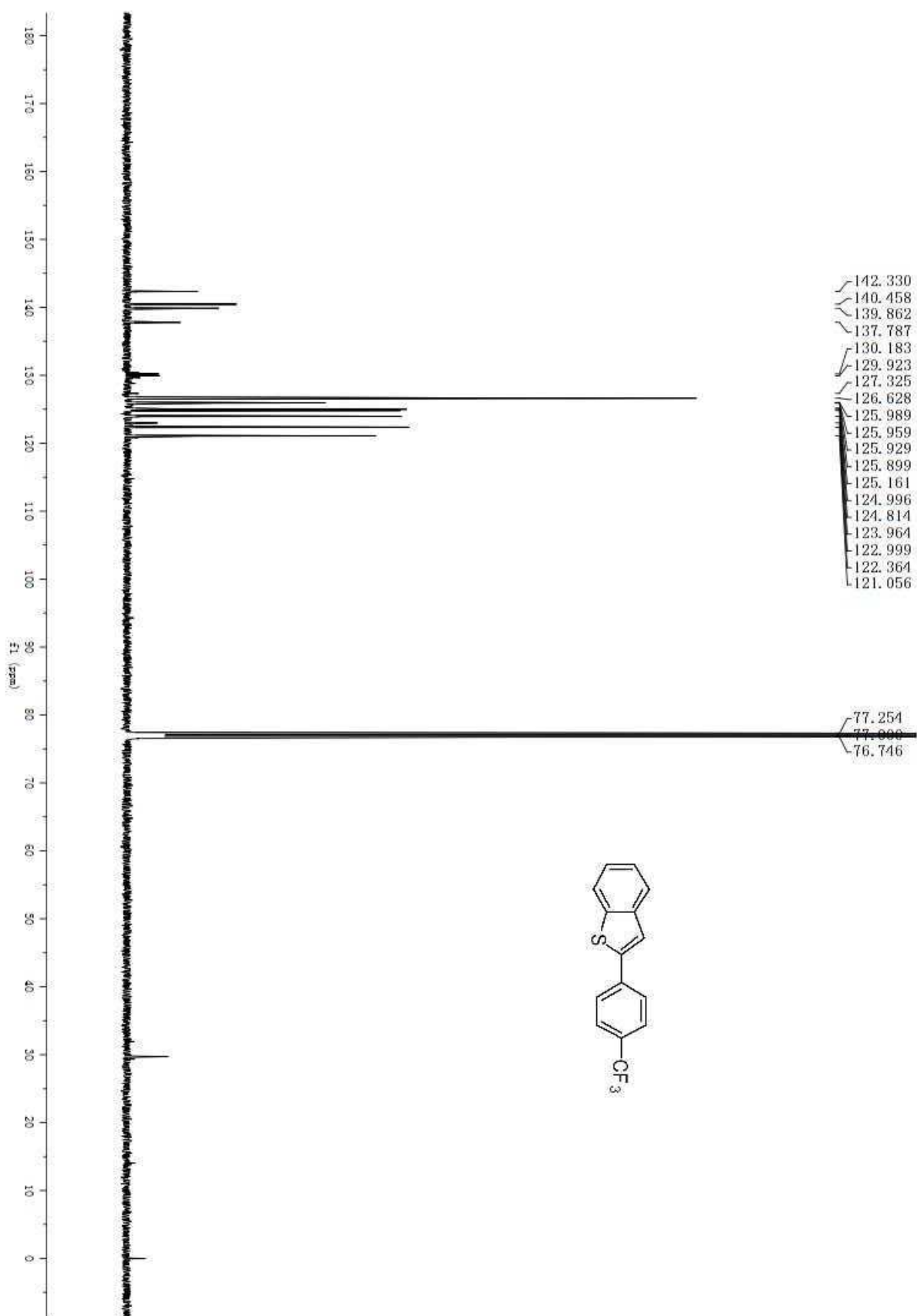
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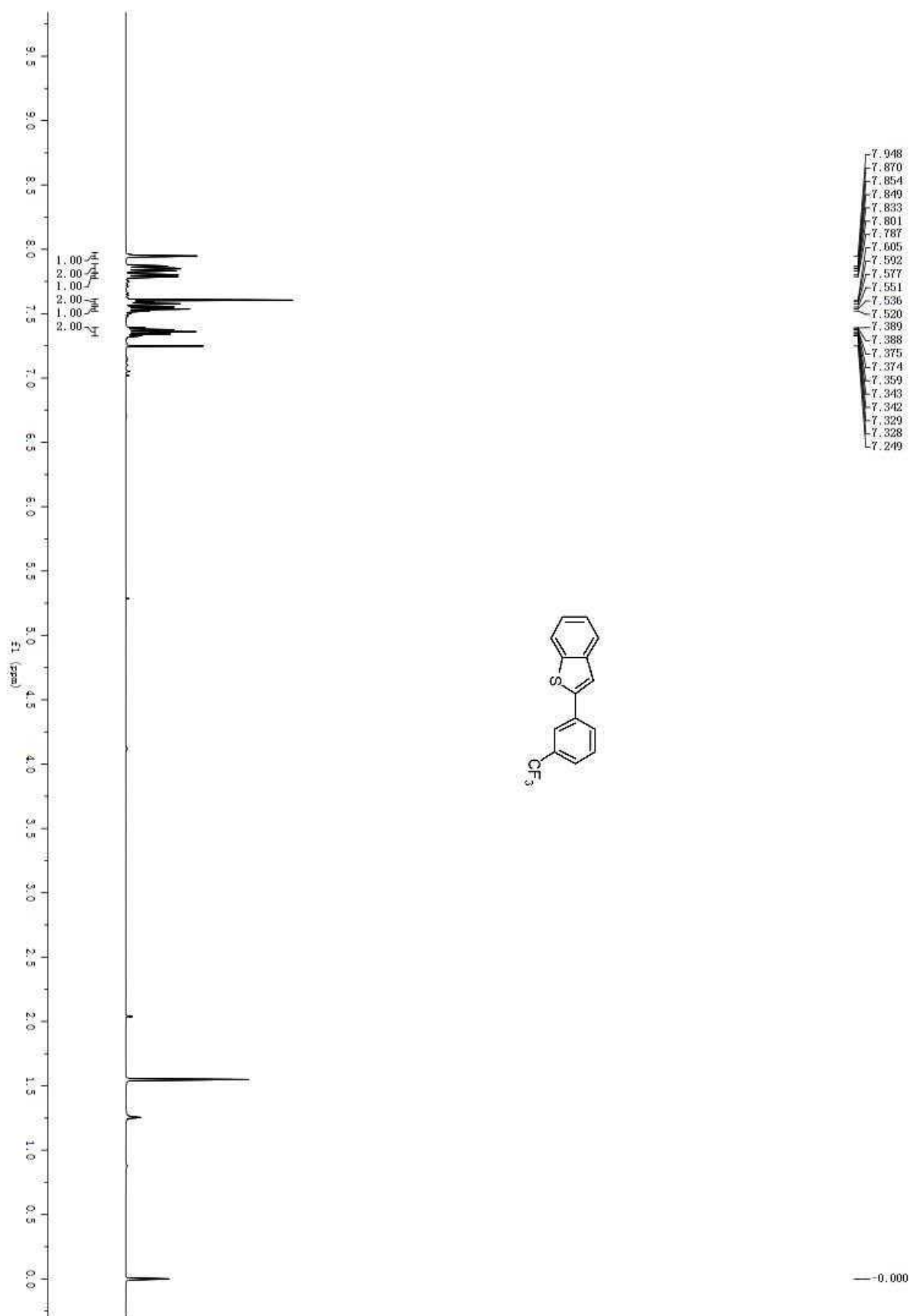


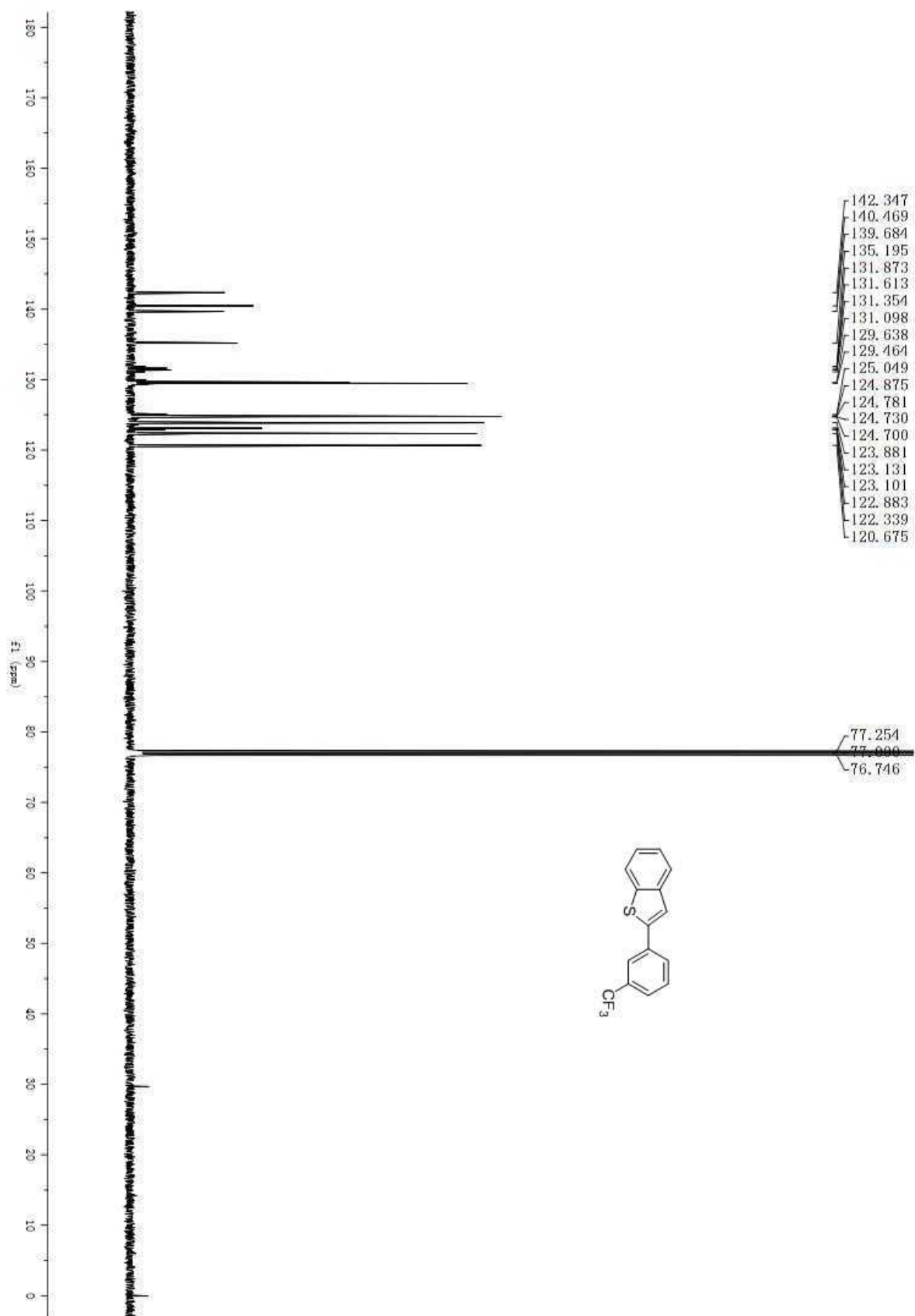
2-(4-(trifluoromethyl)phenyl)benzo[*b*]thiophene (2f)



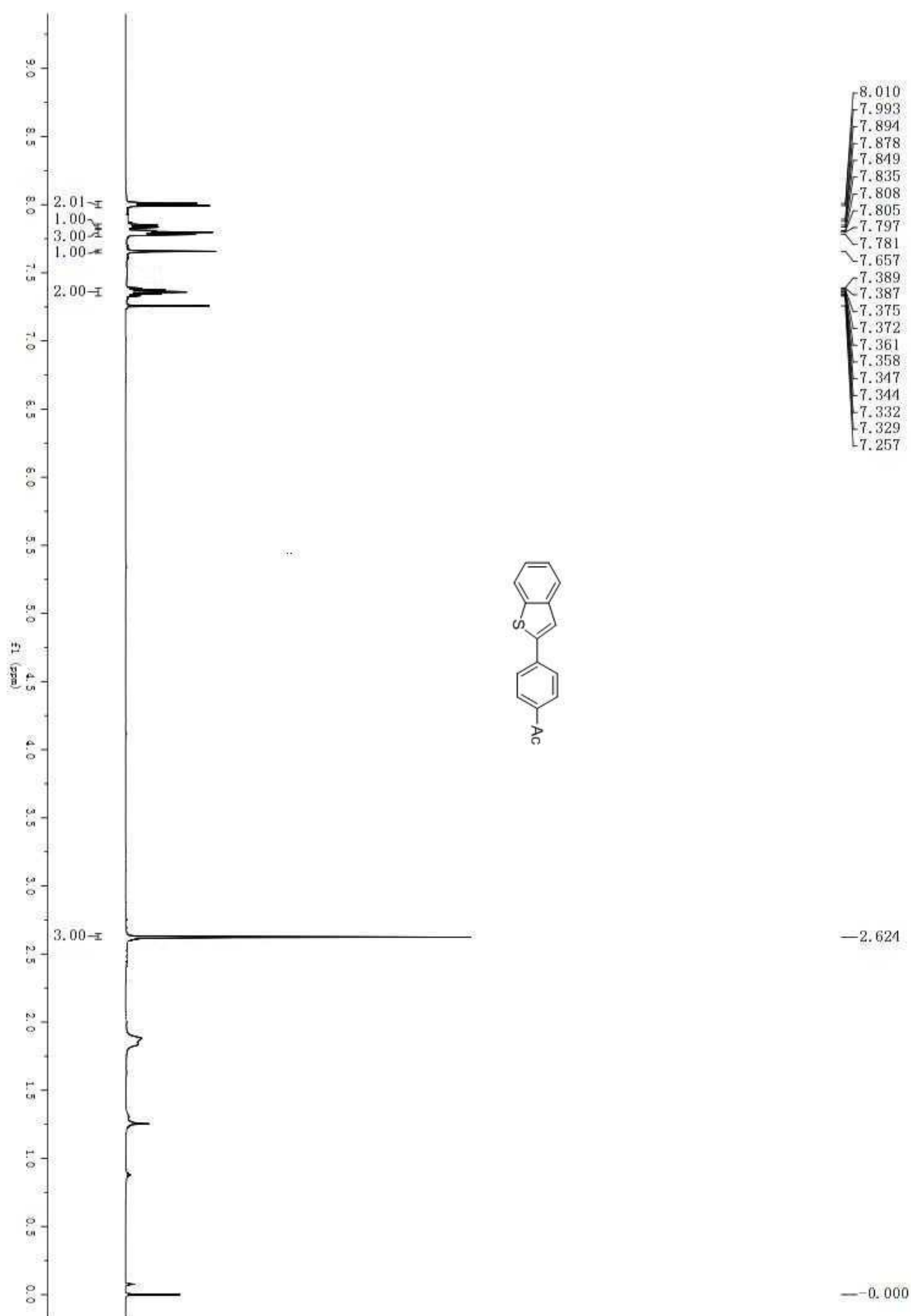


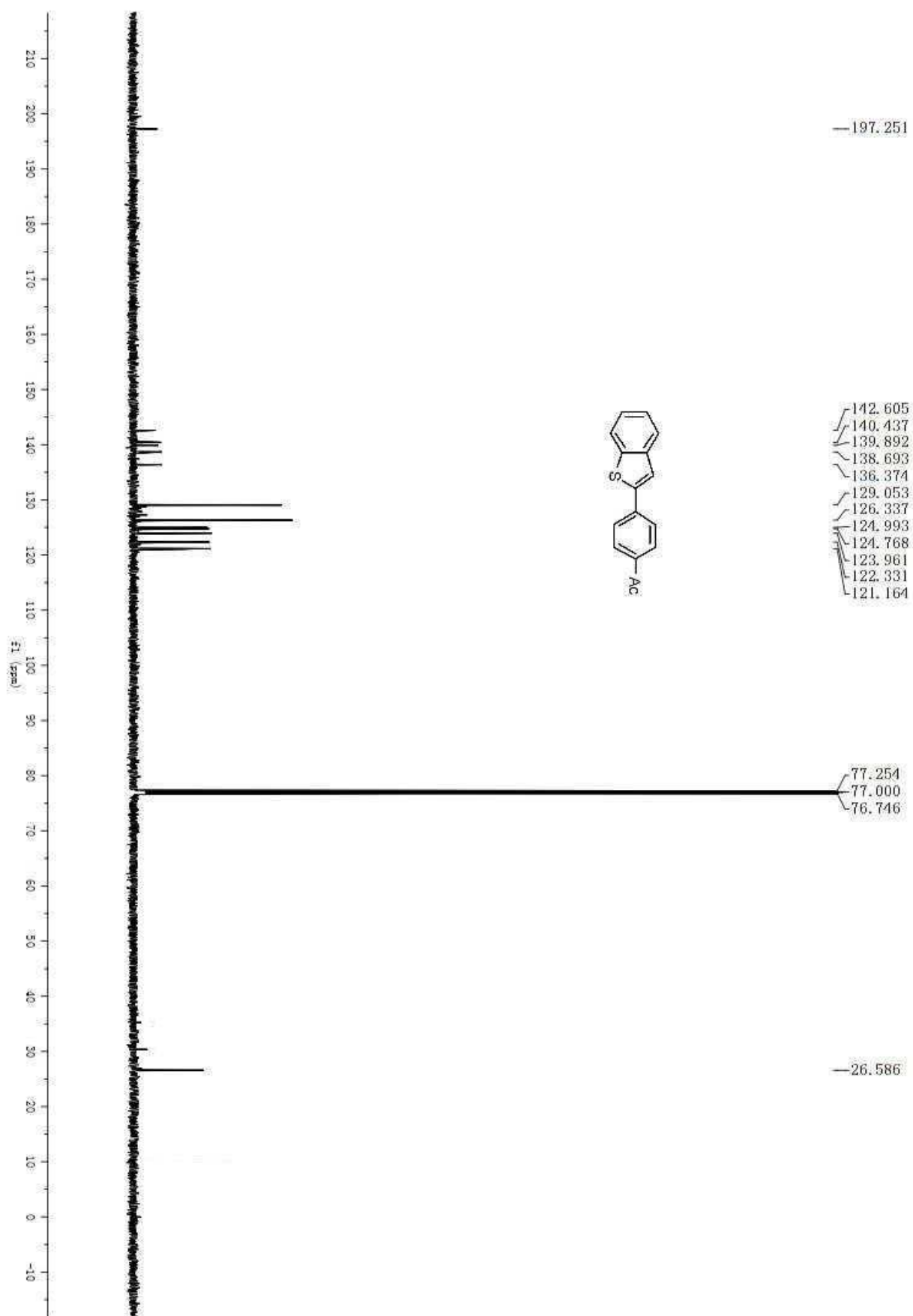
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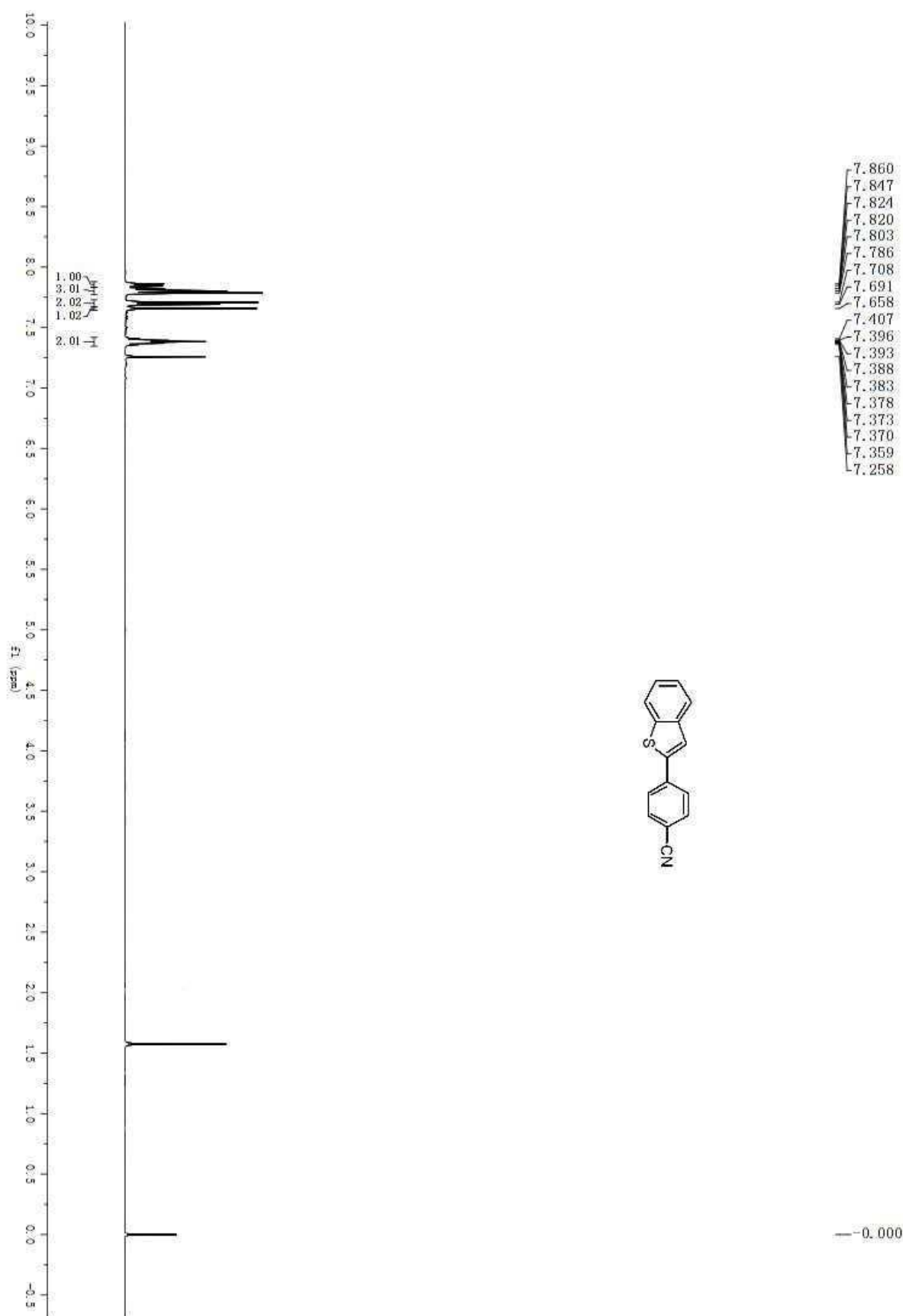


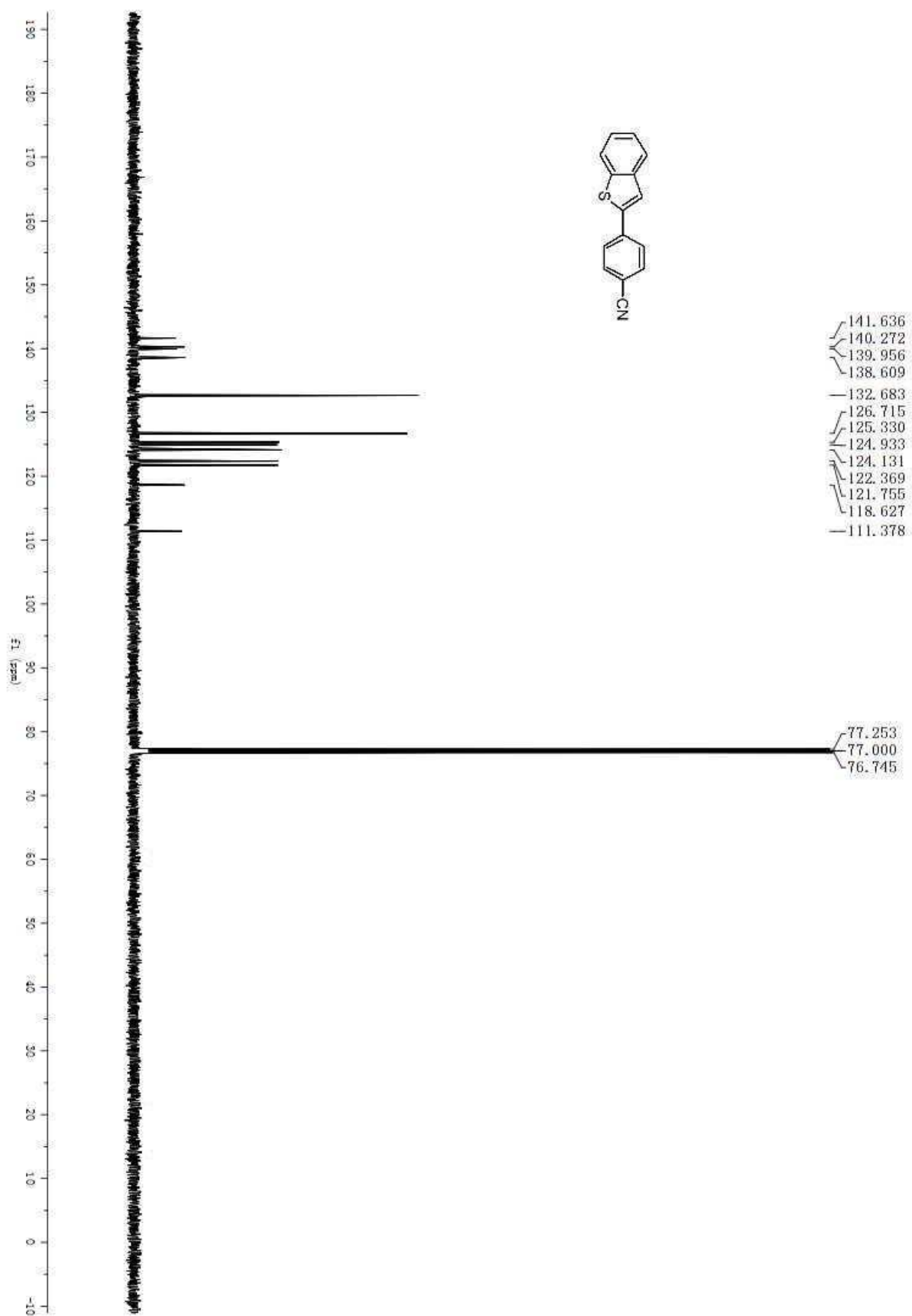
1-(4-(benzo[*b*]thiophen-2-yl)phenyl)ethanone (2h)



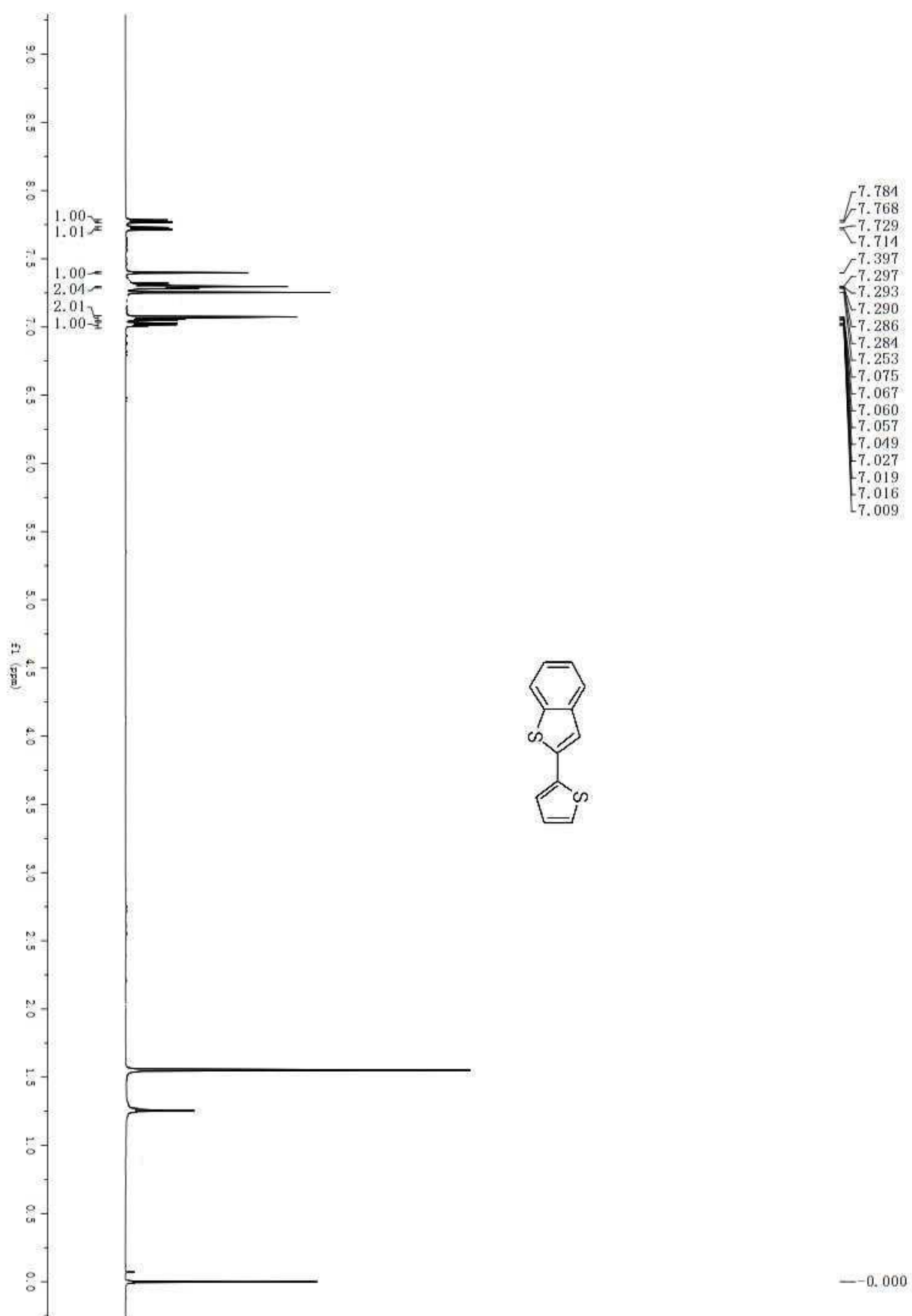


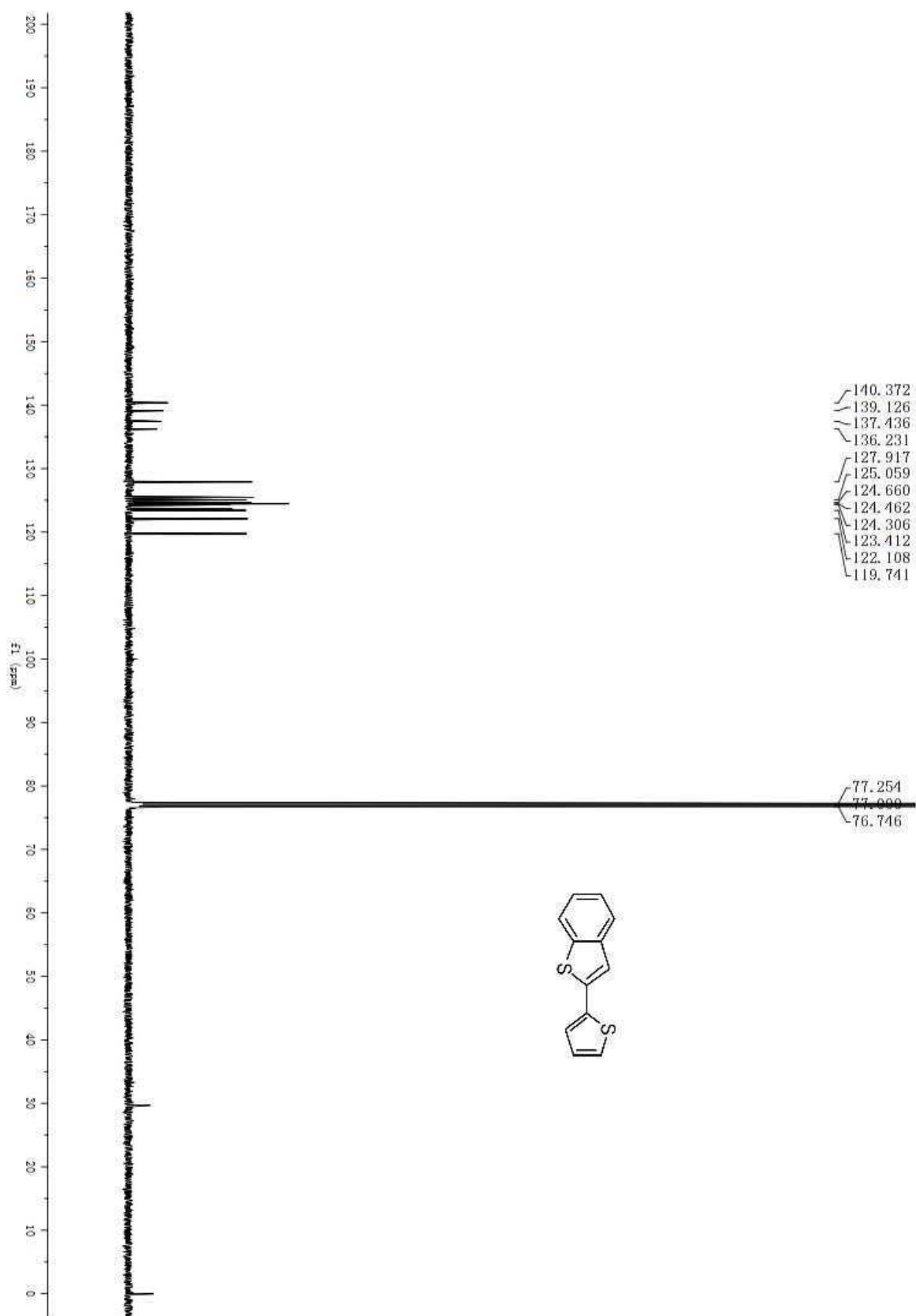
4-(benzo[*b*]thiophen-2-yl)benzonitrile (2i)



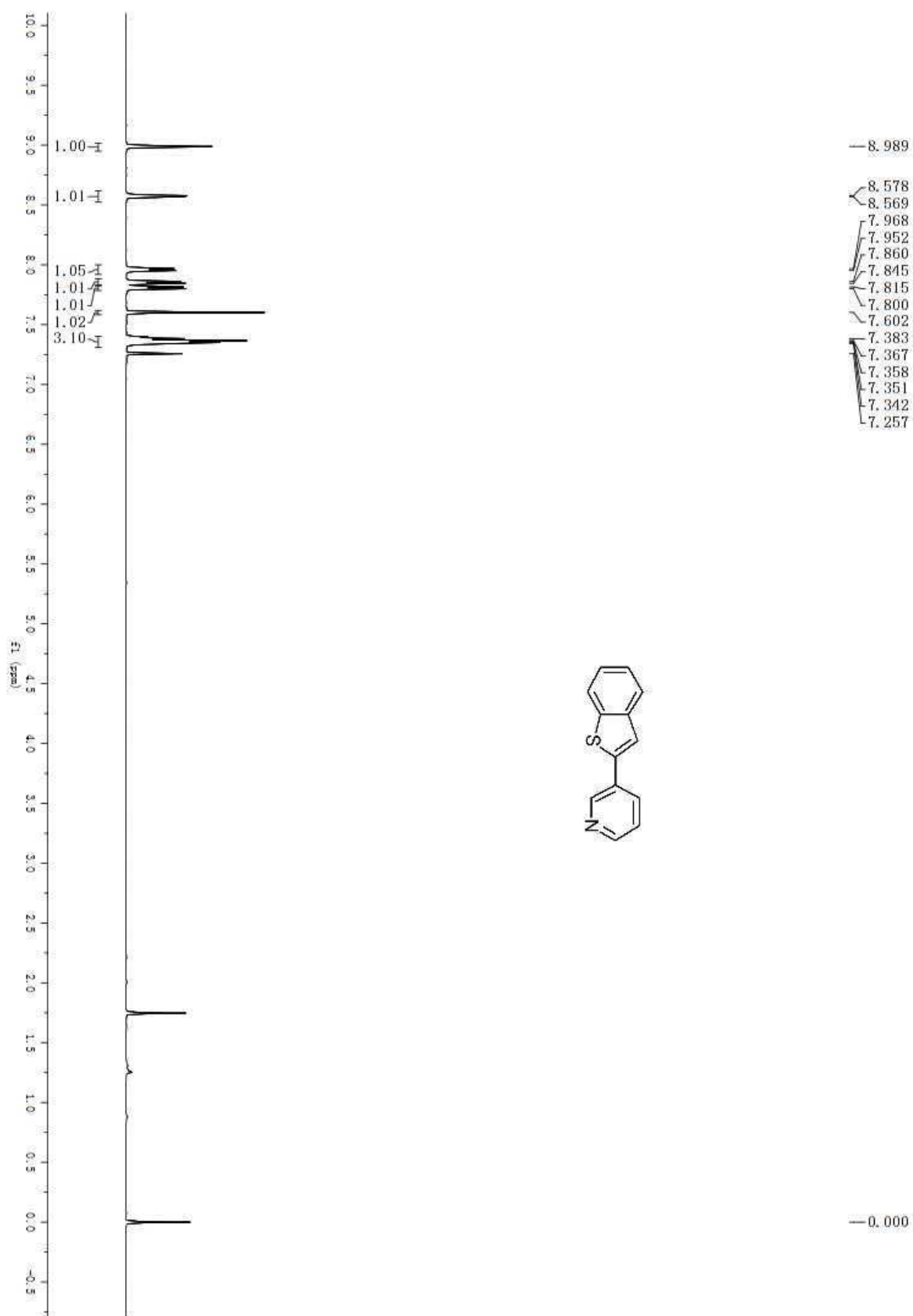


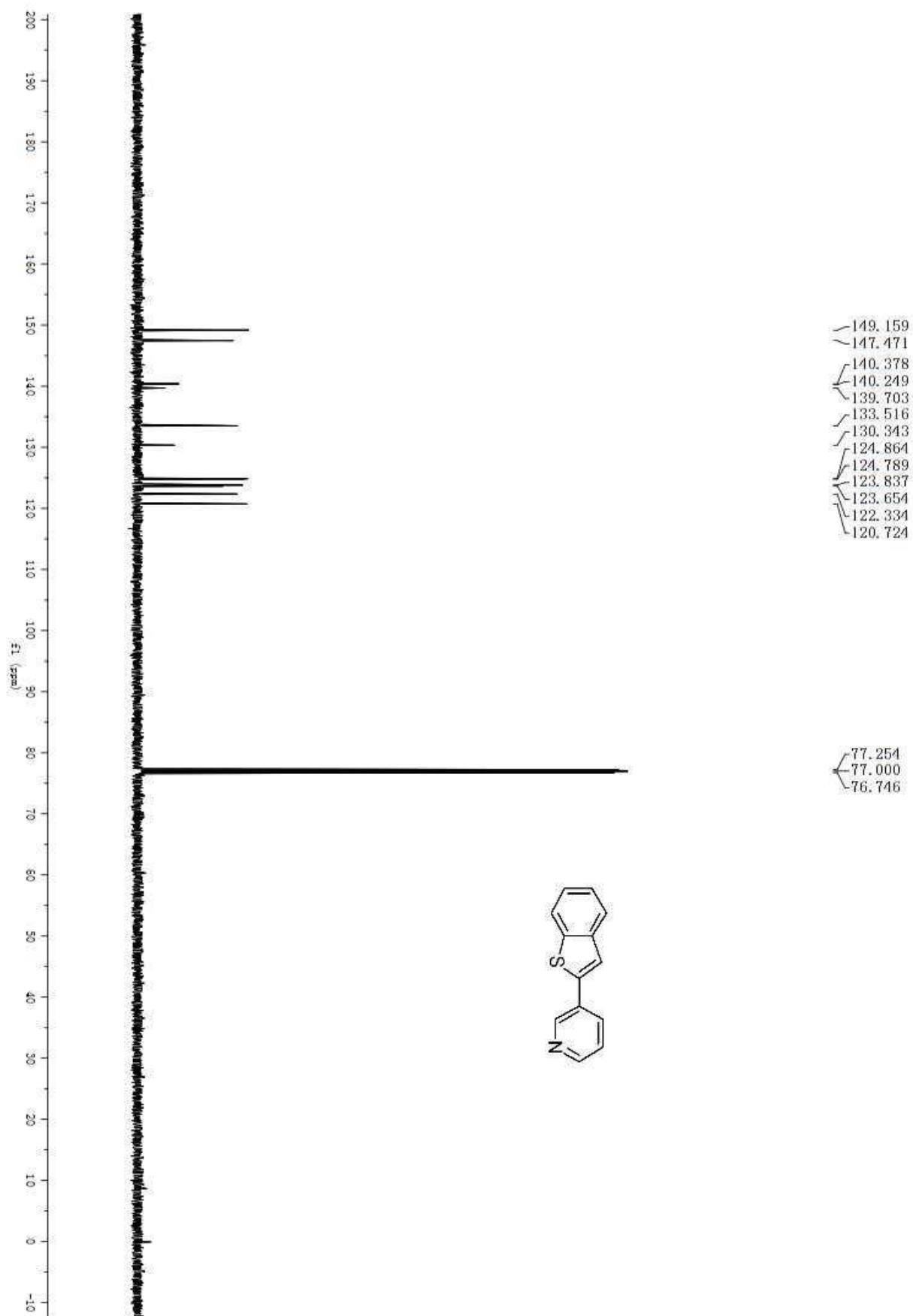
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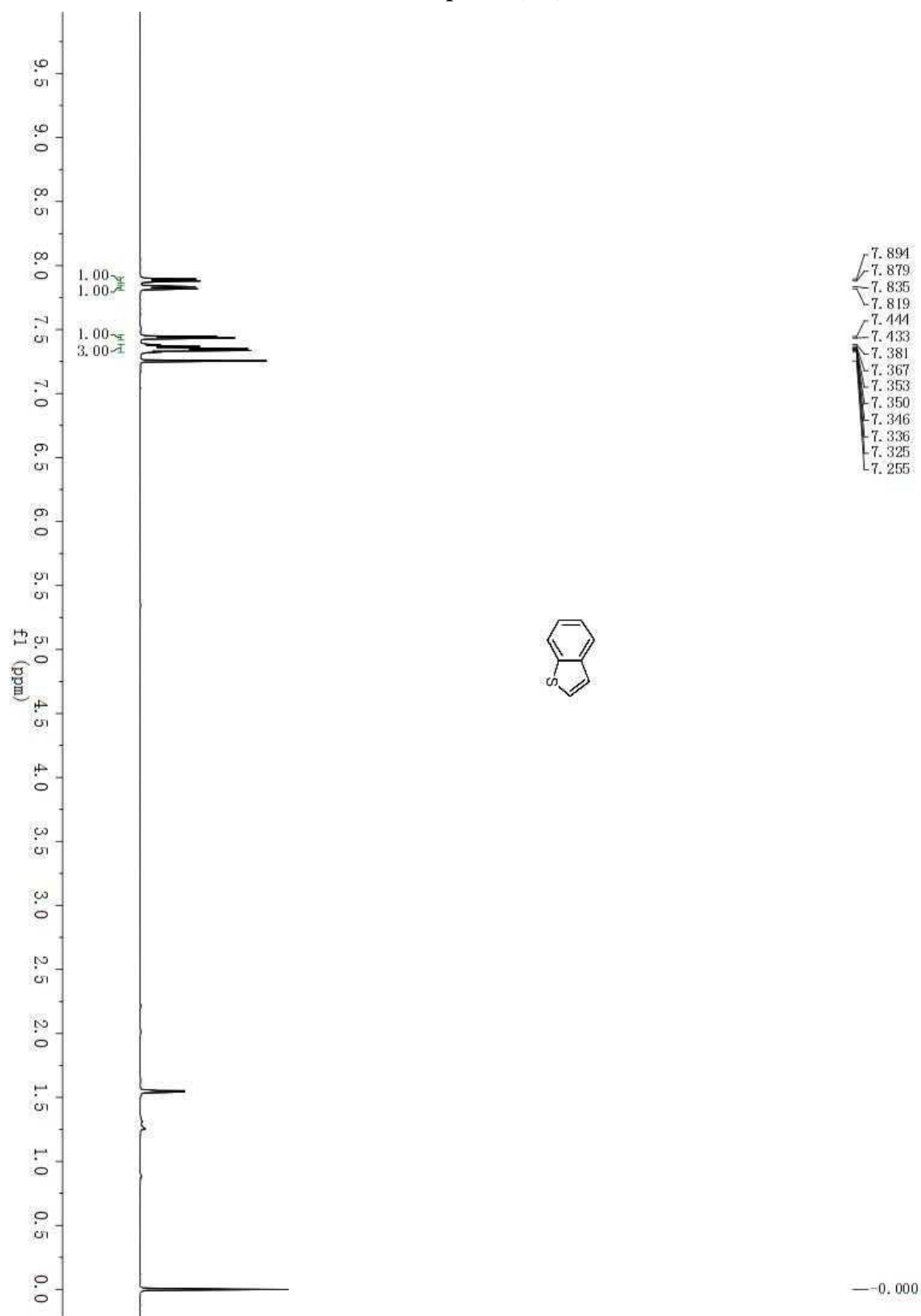


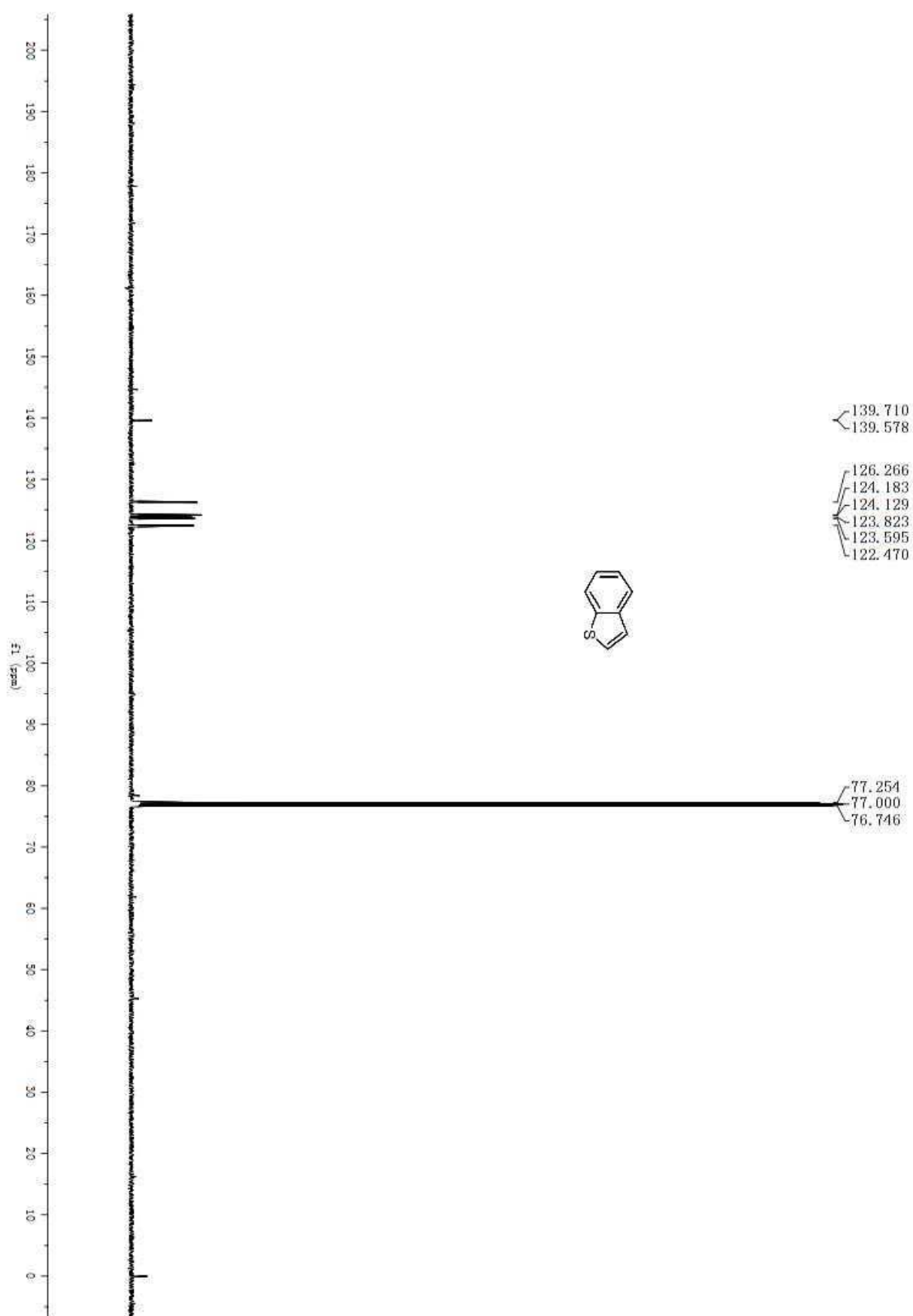
3-(benzo[*b*]thiophen-2-yl)pyridine (2l)



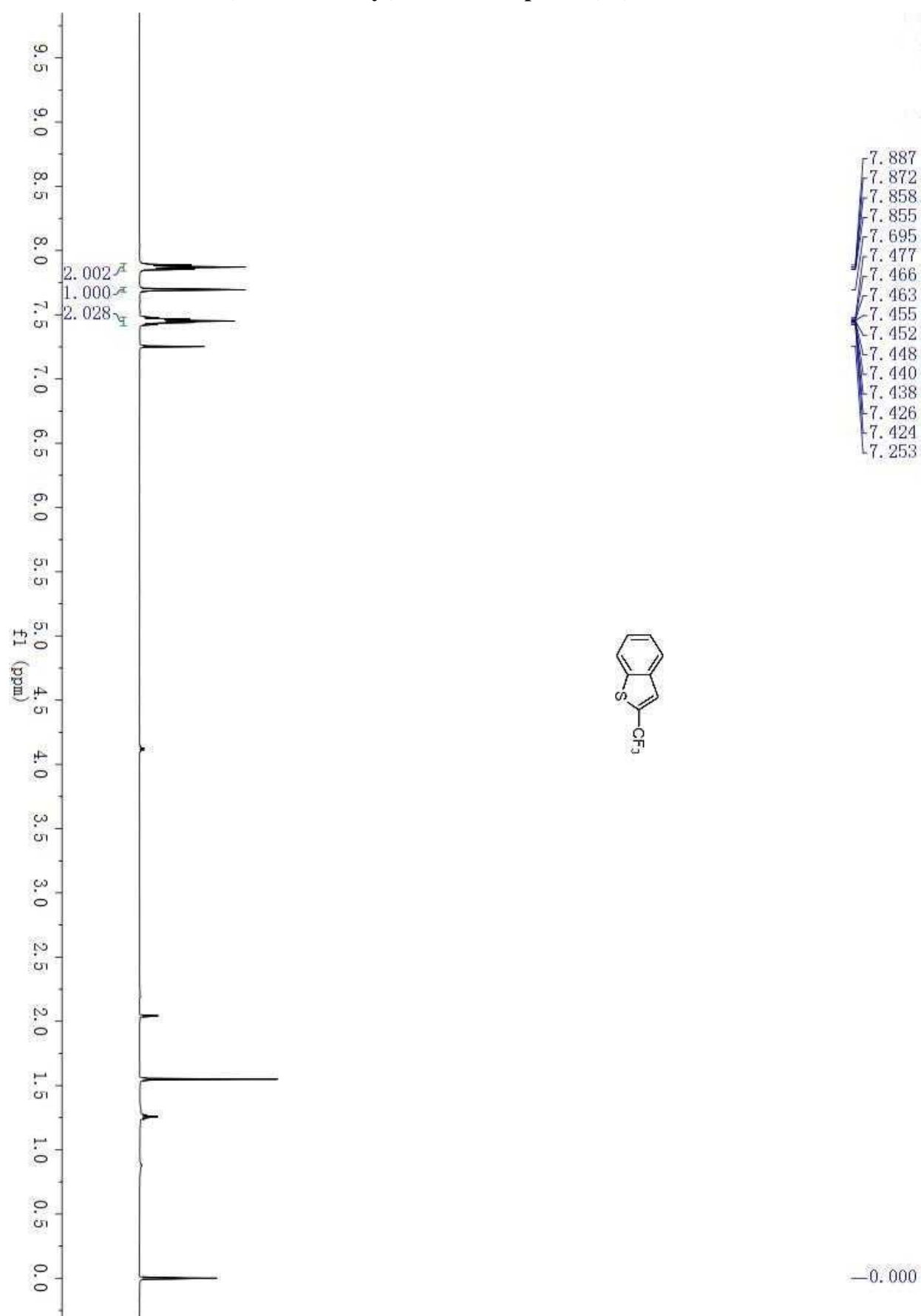


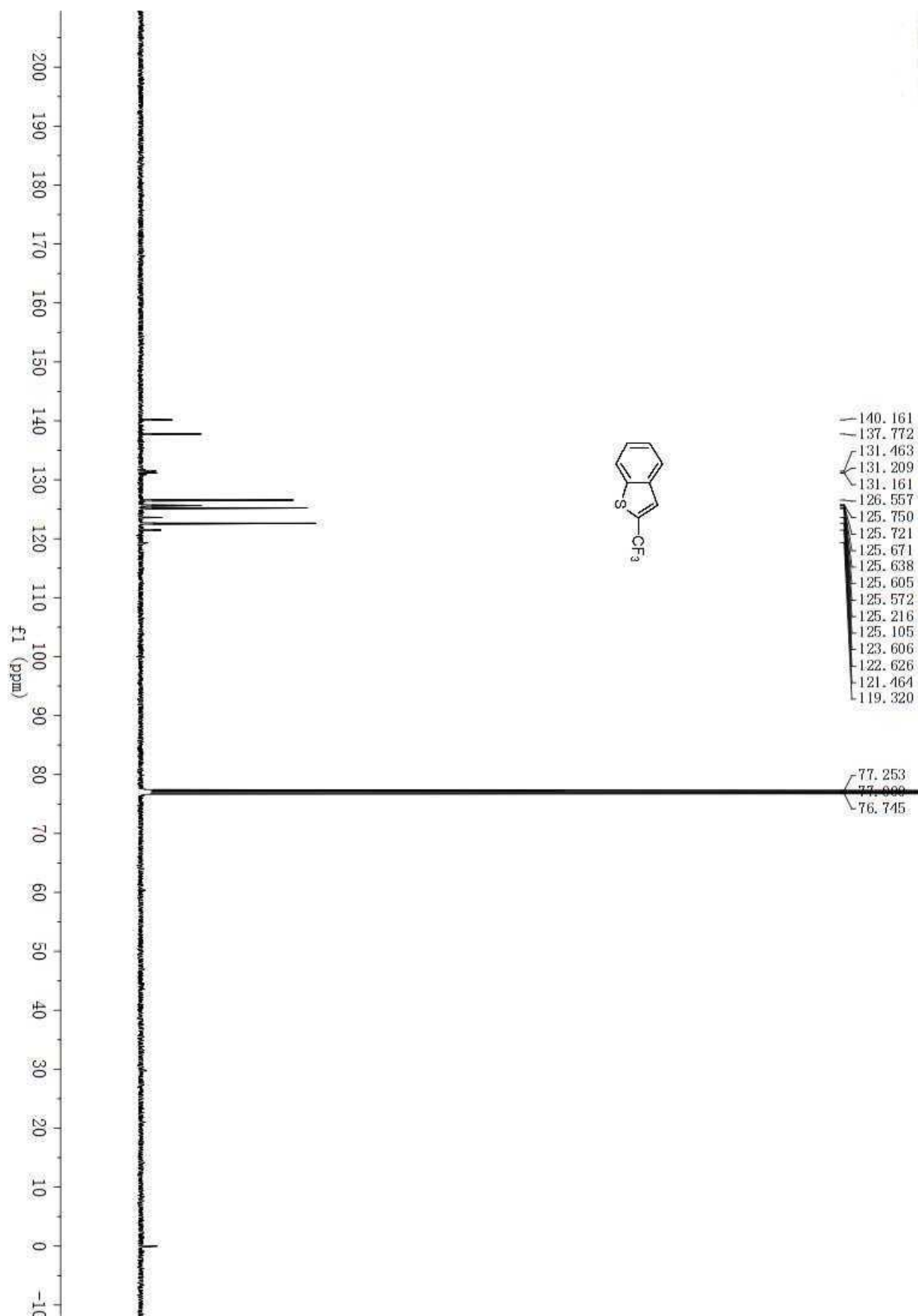
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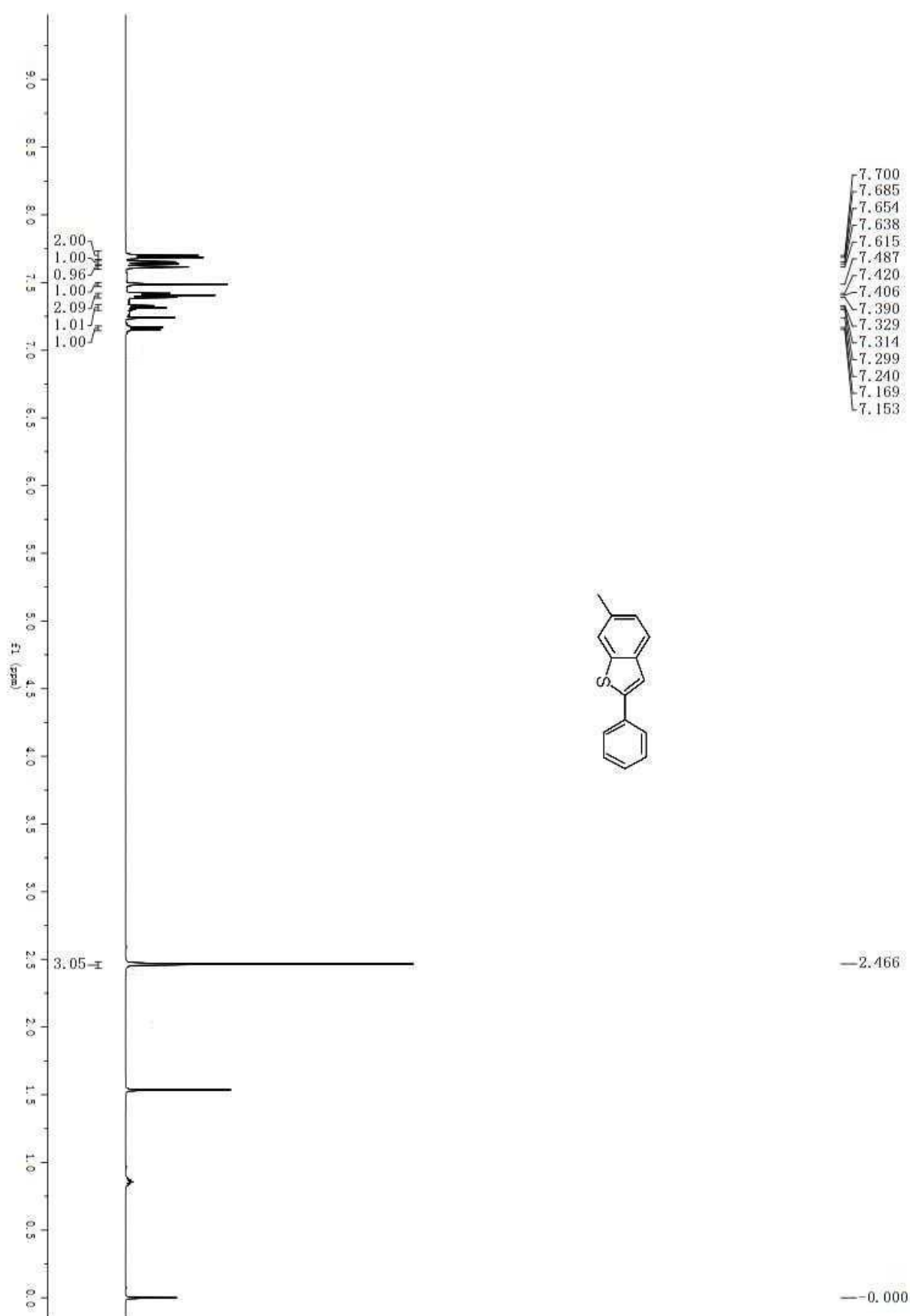


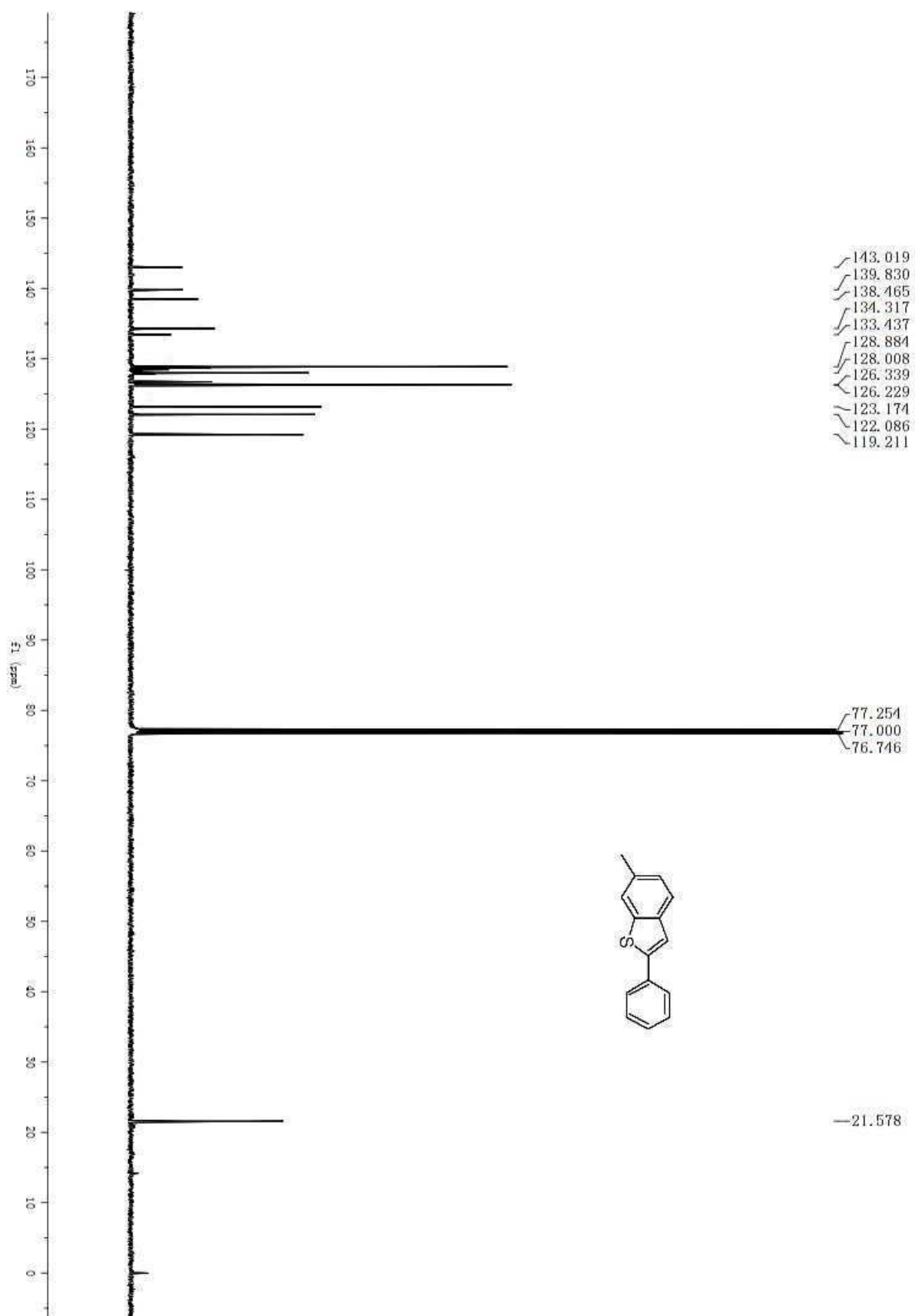
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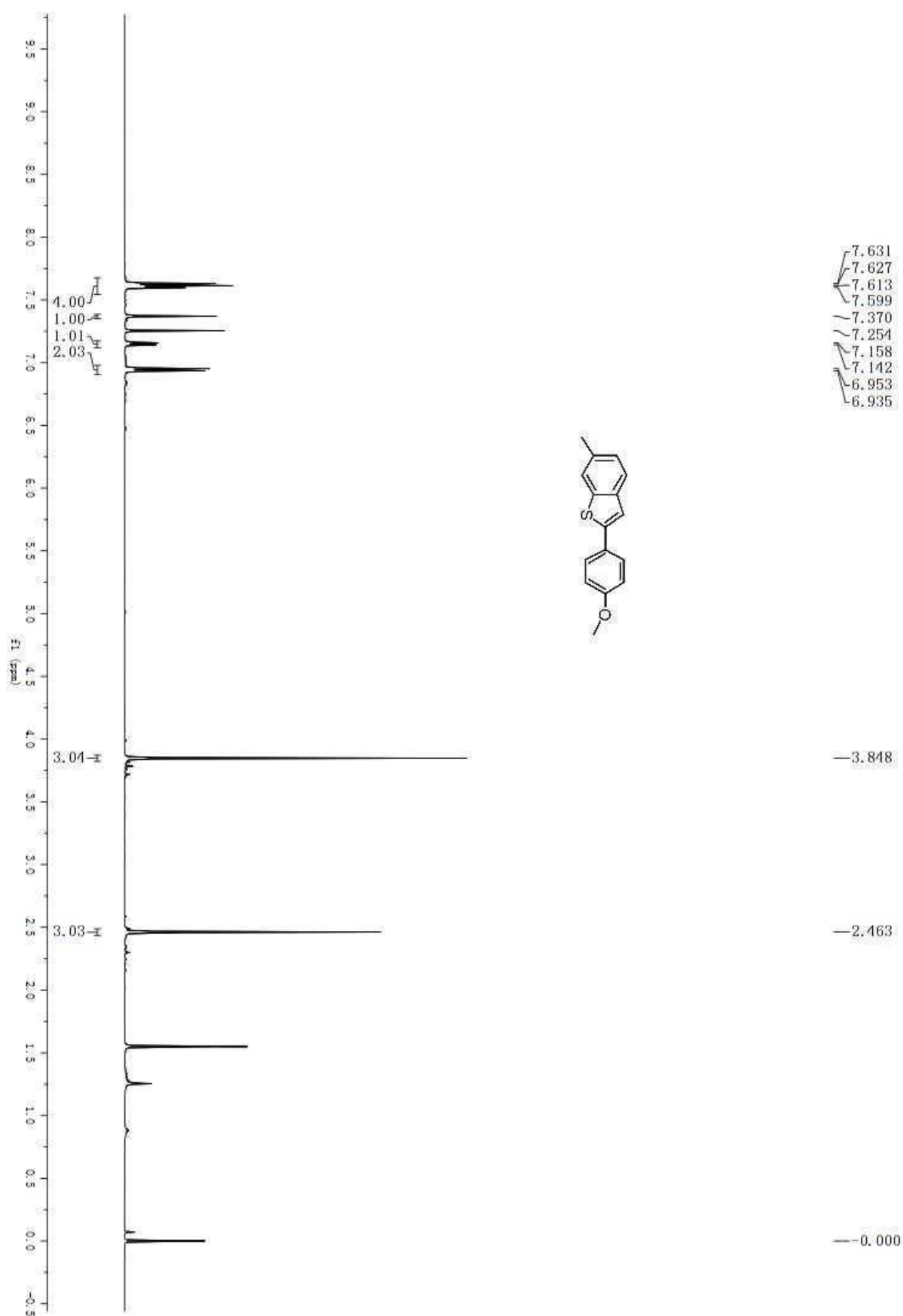


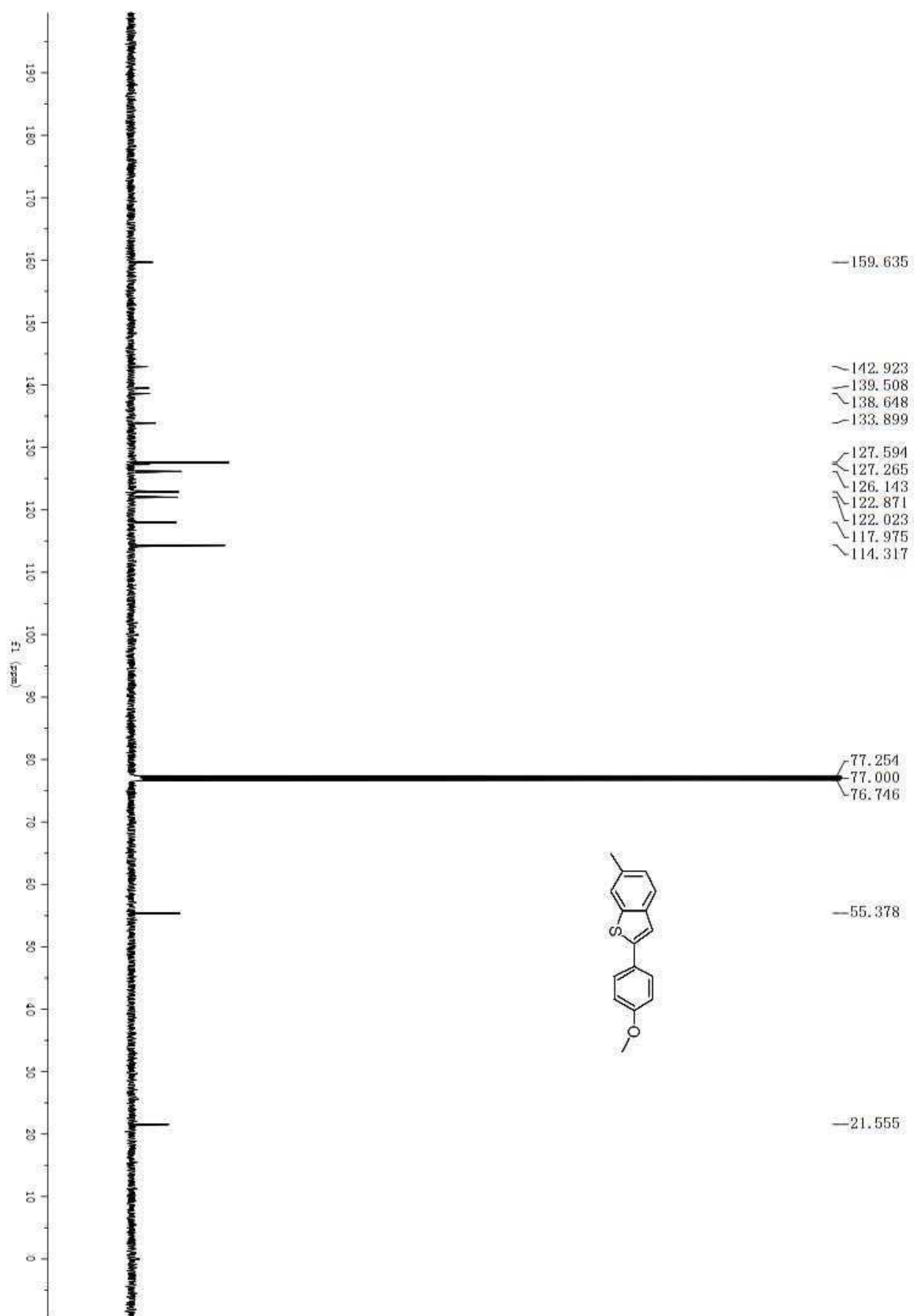
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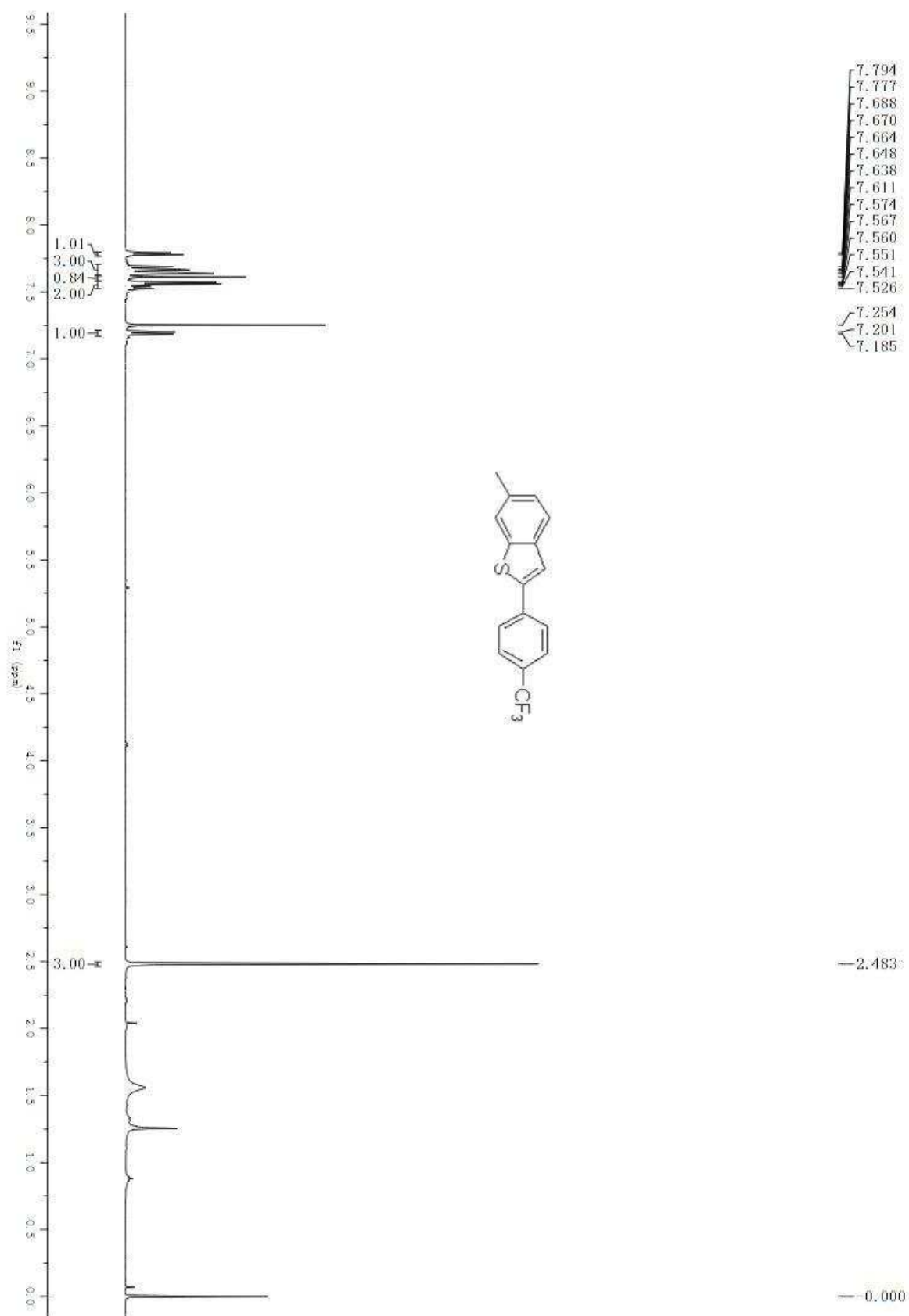


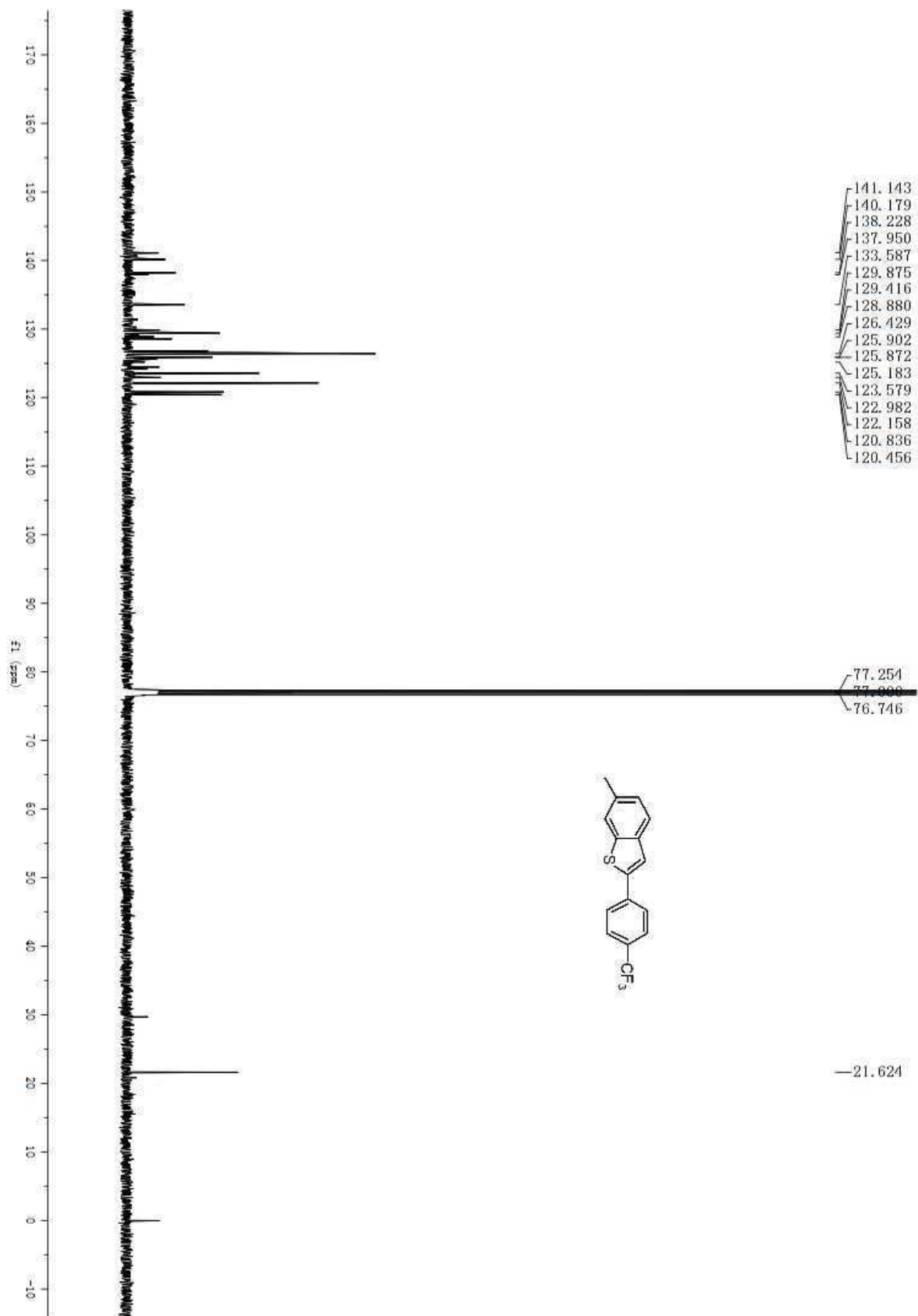
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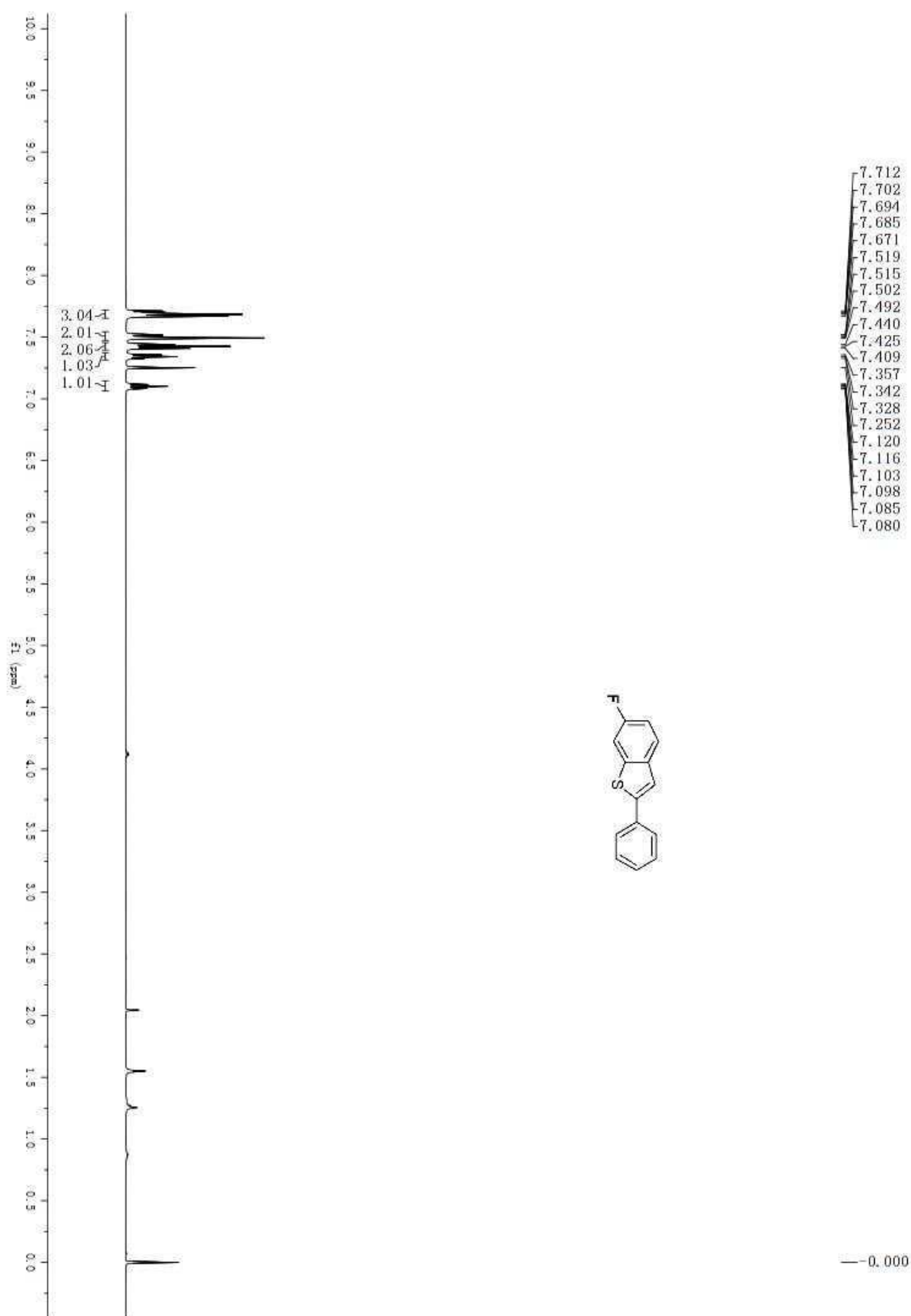


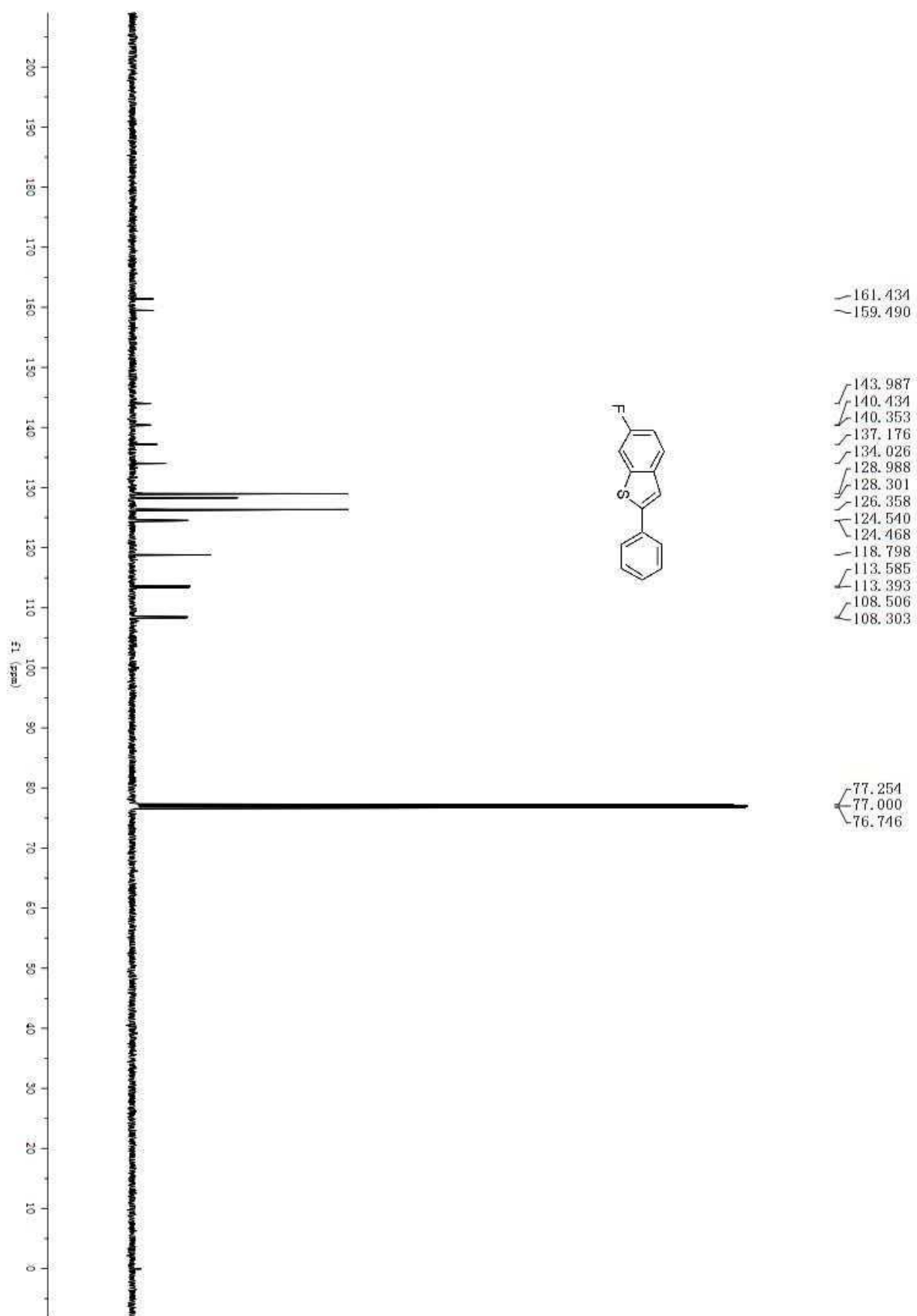
6-methyl-2-(4-(trifluoromethyl)phenyl)benzo[*b*]thiophene (2r)



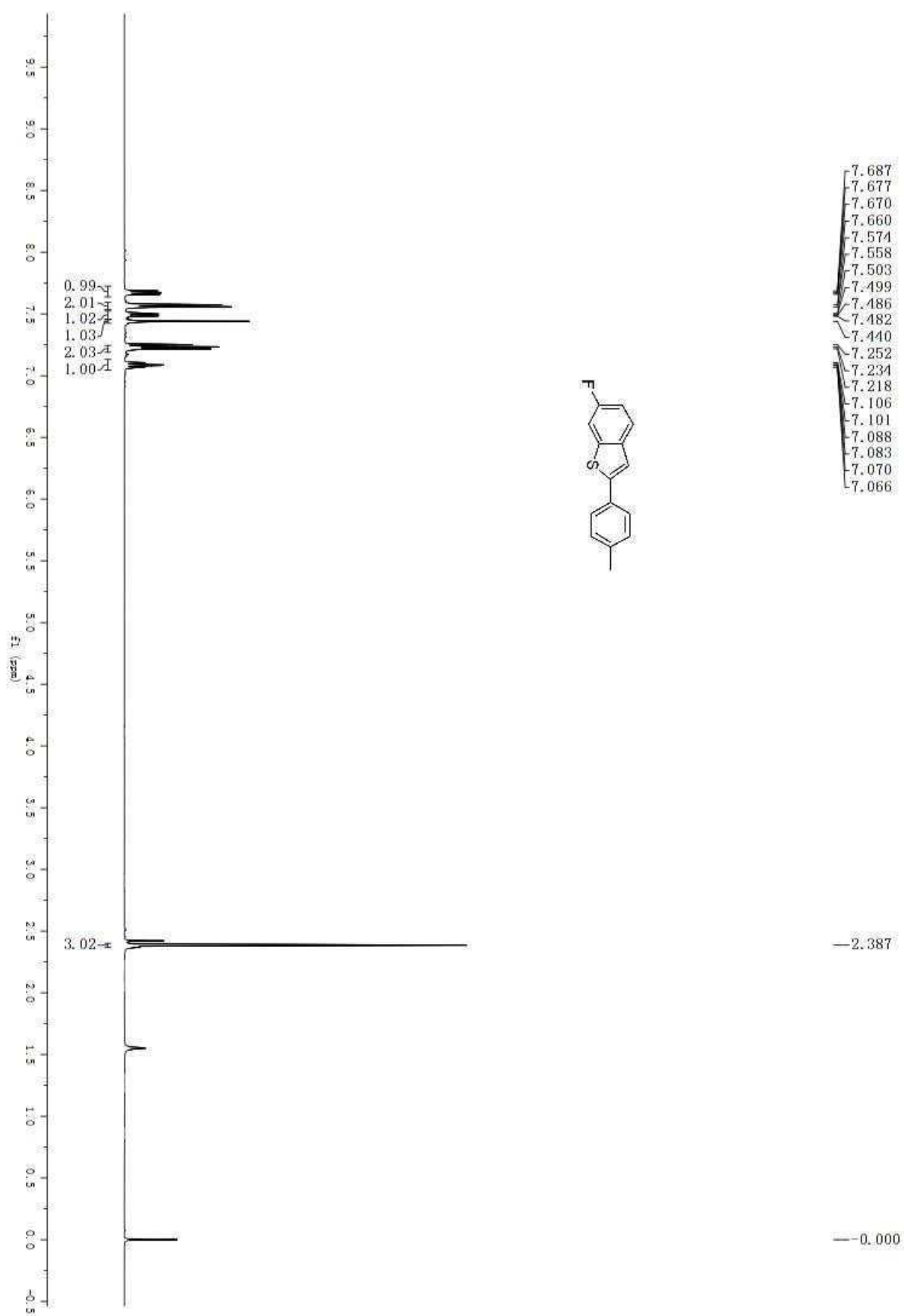


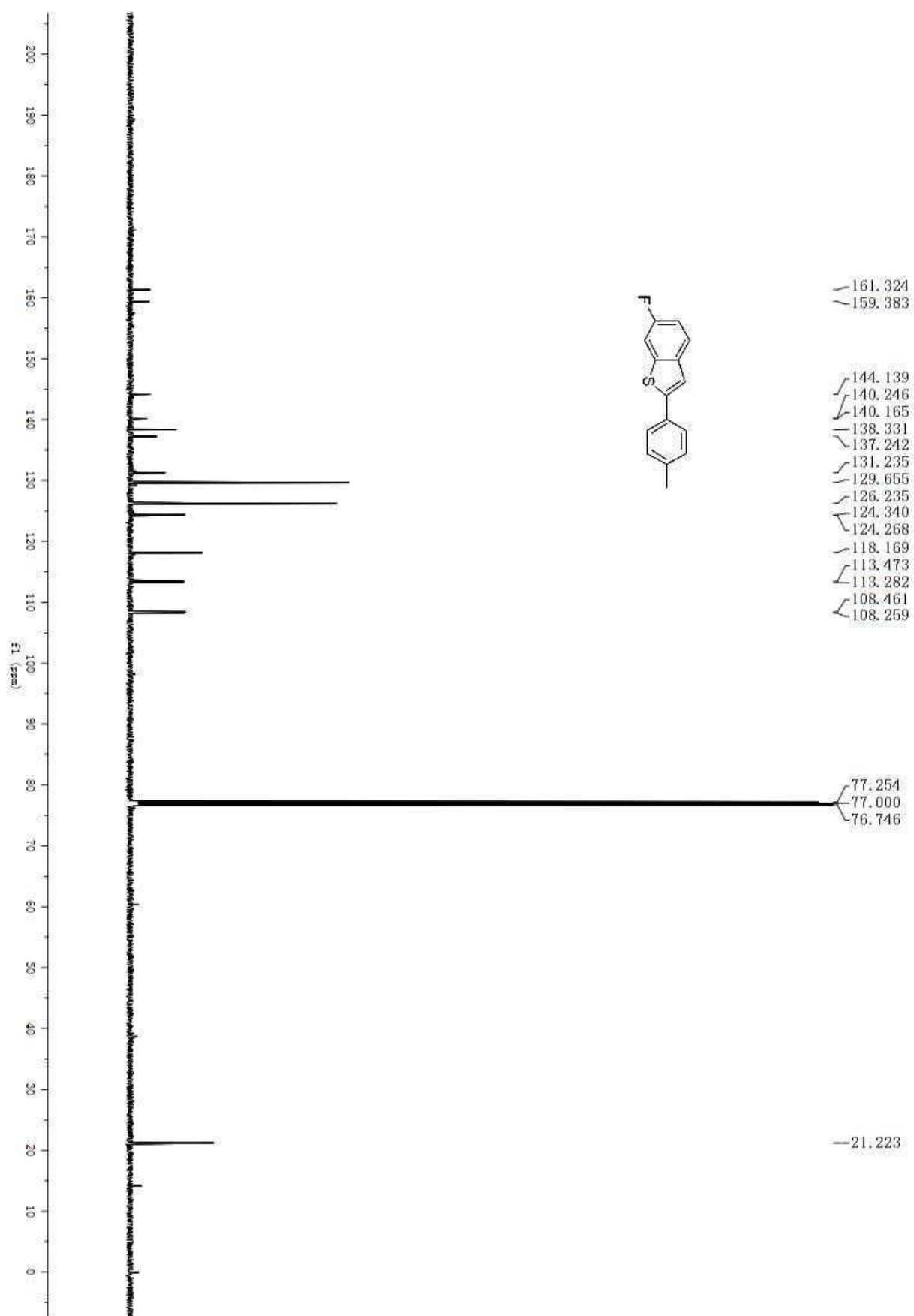
6-fluoro-2-phenylbenzo[*b*]thiophene (2s)



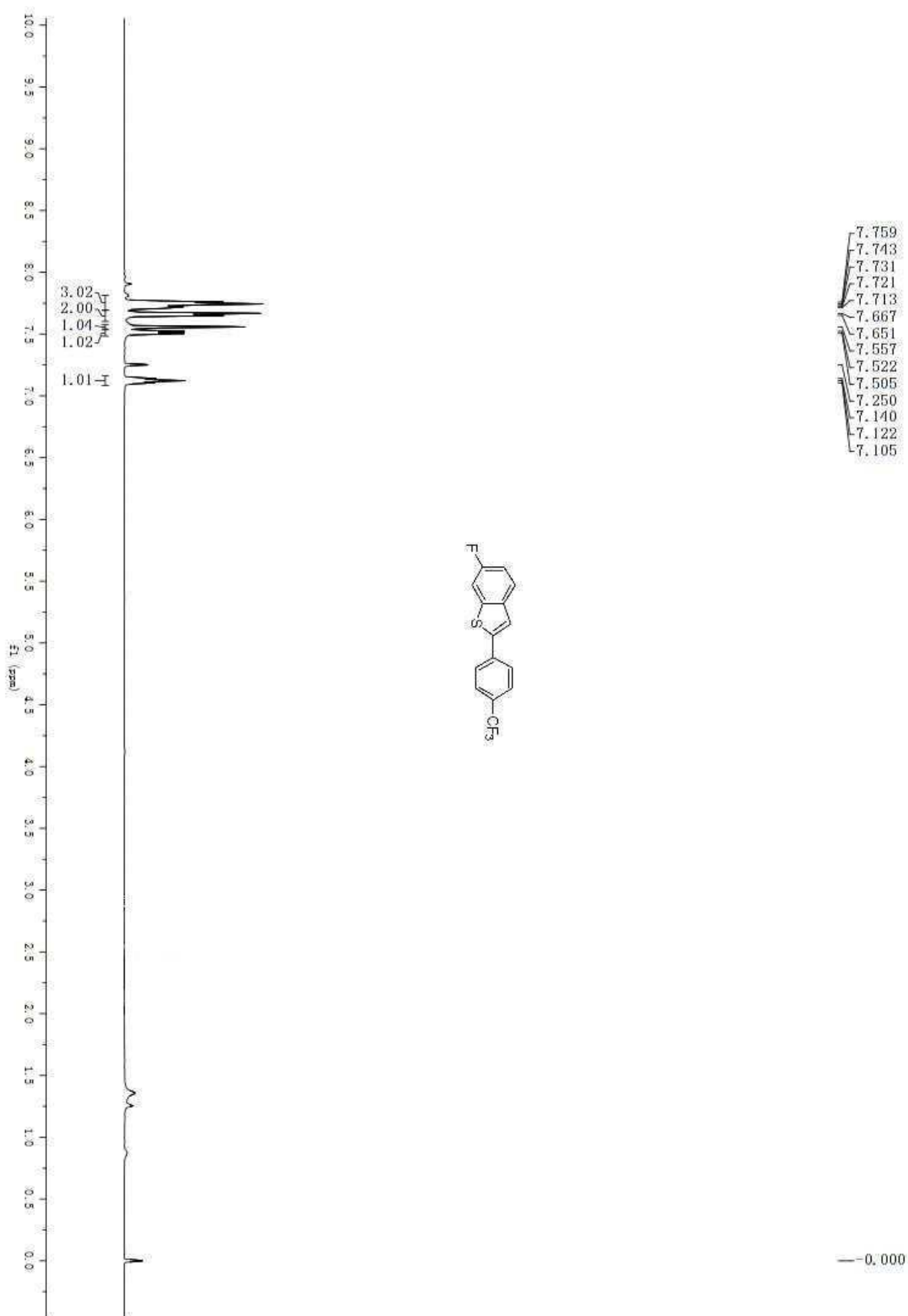


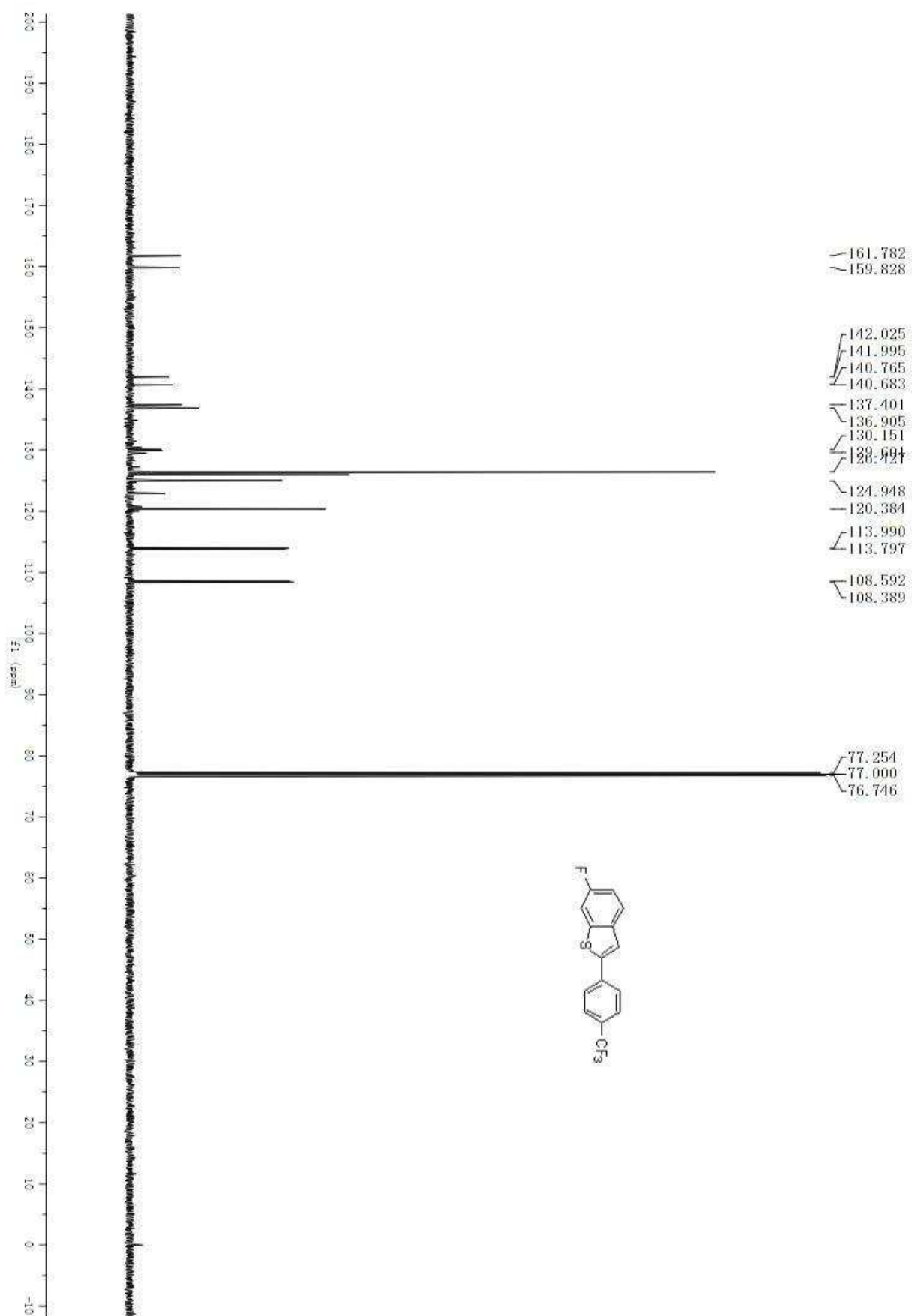
6-fluoro-2-p-tolylbenzo[b]thiophene (2t)





6-fluoro-2-(4-(trifluoromethyl)phenyl)benzo[*b*]thiophene (2u)





6-chloro-2-phenylbenzo[*b*]thiophene (2v)

