

Electronic Supplementary Information for

Synthesis and investigation on processing-depending polarized fluorescence emission in thin-films of 2,2'-([2,2'-Bithiophene]-5,5'-diyl)bis(5-octyl-4-phenyl-4H-thieno[2,3-c]pyrrol-6(5H)-one)

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1. NOE spectra of compound 2a.

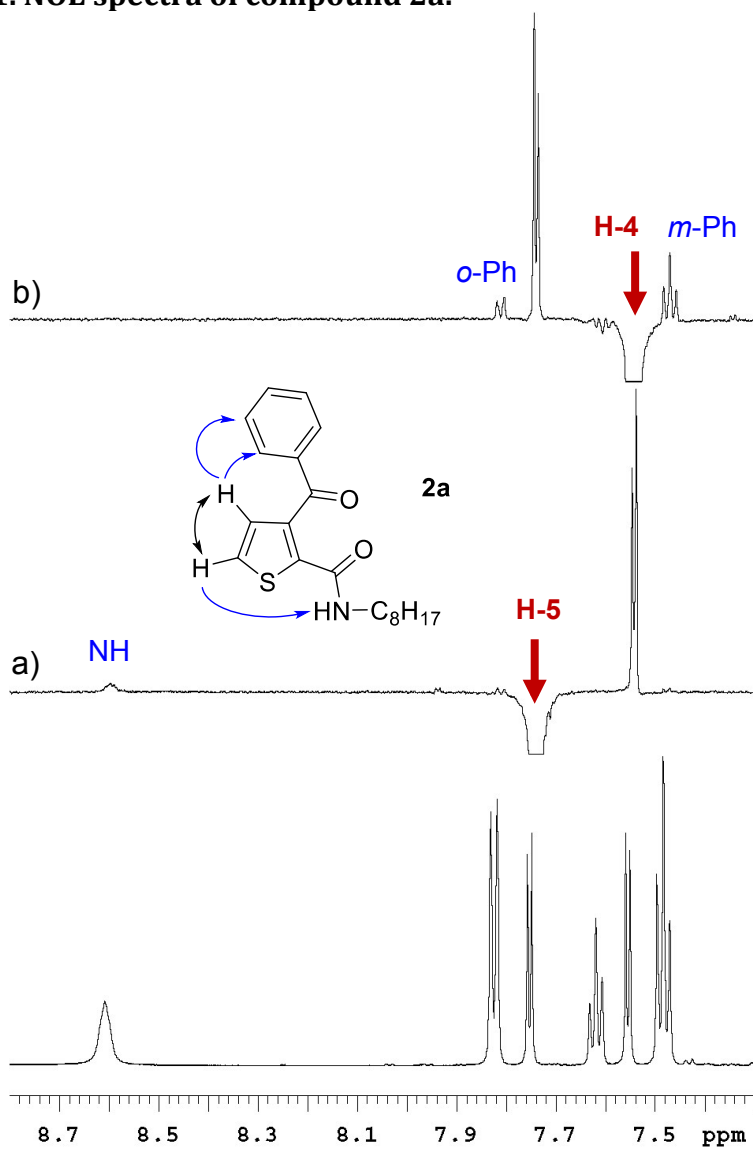


Figure S1.

2. HMBC spectra of compound 2a

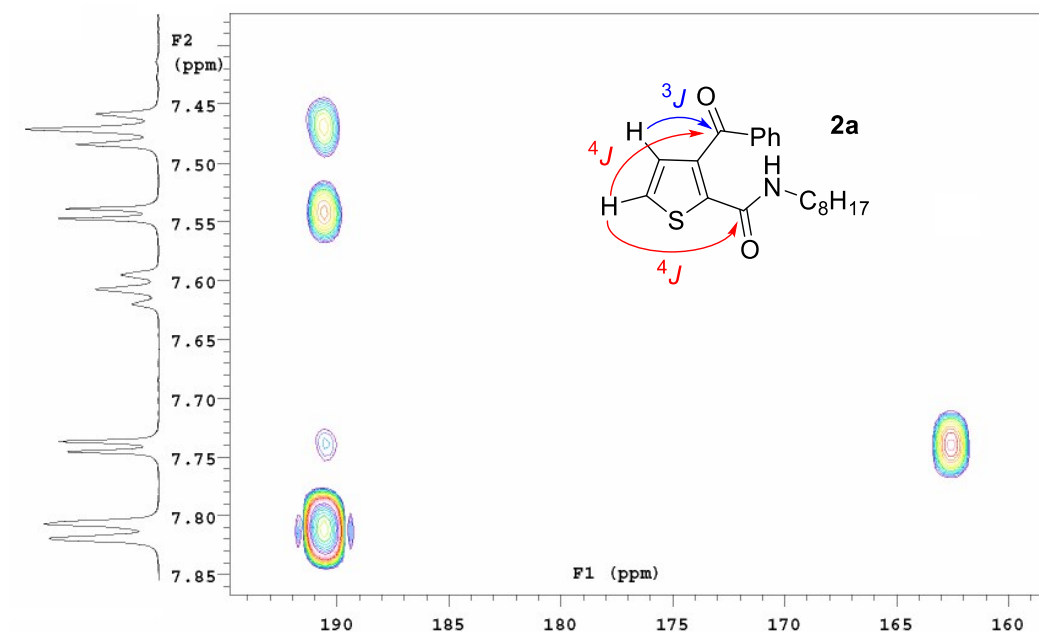
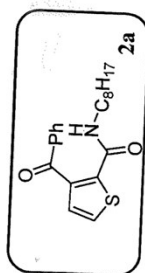
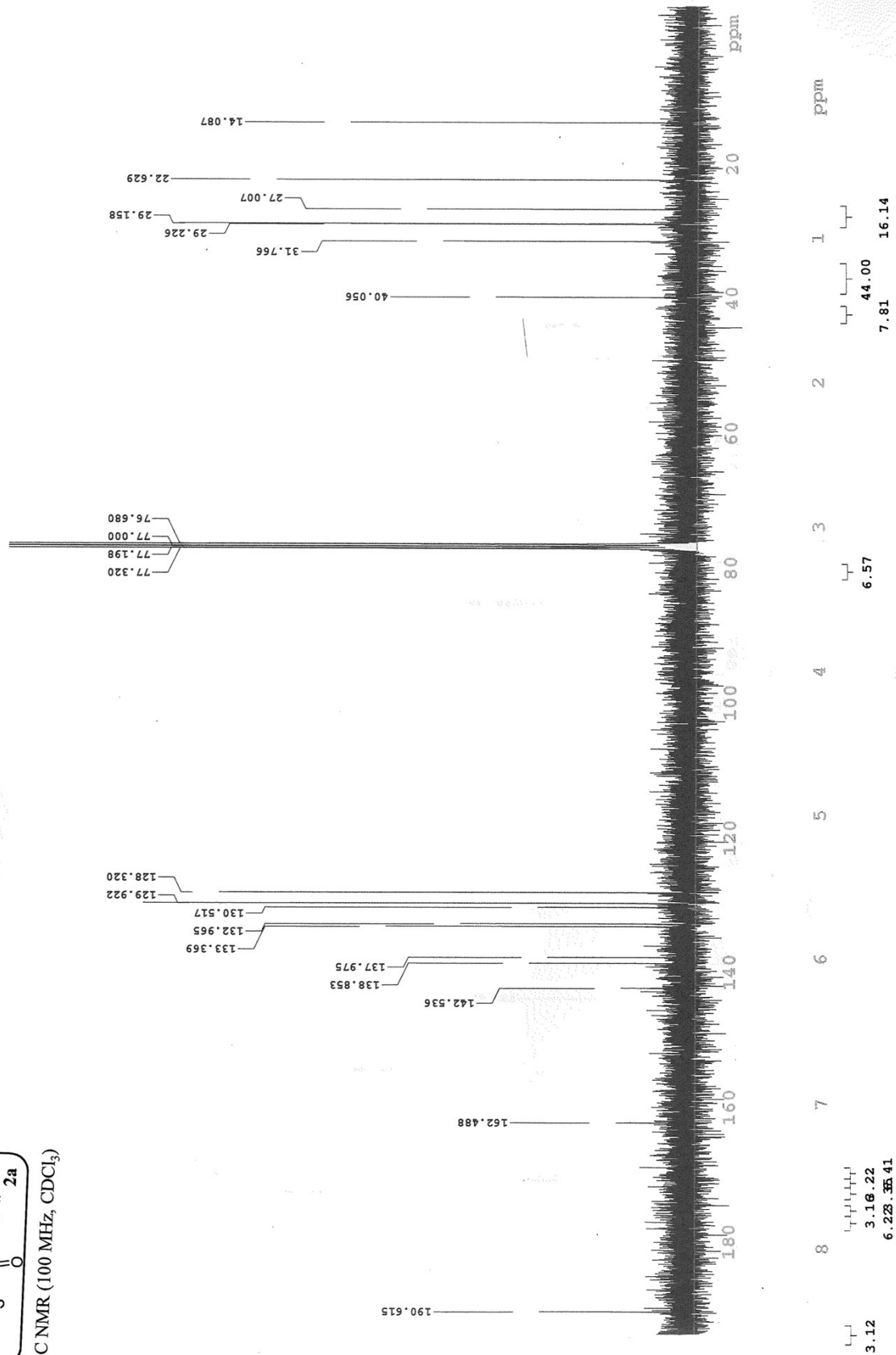


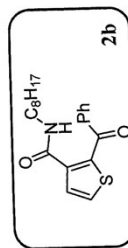
Figure S2.

3. ^1H , ^{13}C NMR spectra of compounds 2a, 2b, 3a, and 4

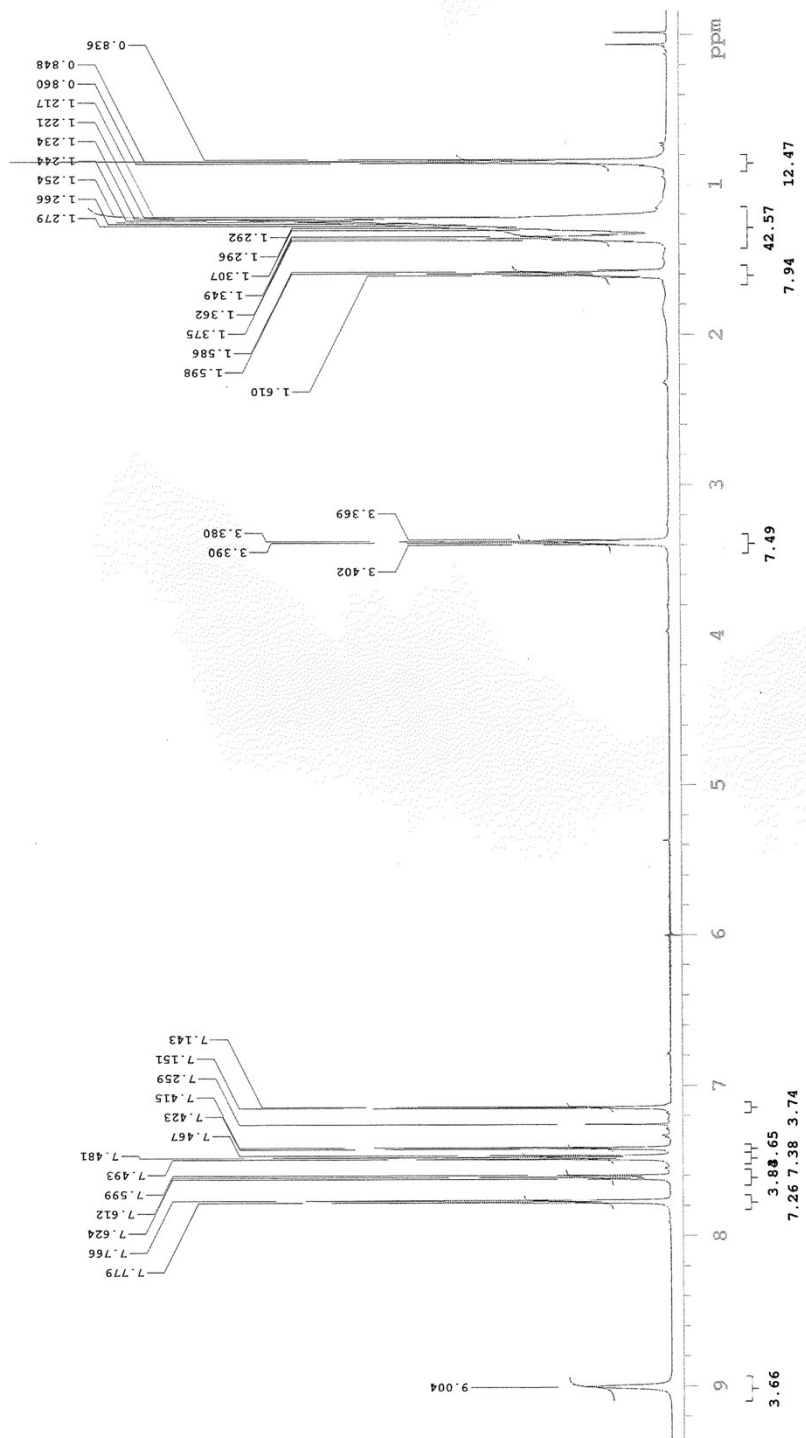


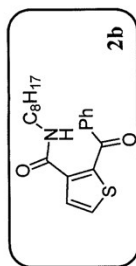
^{13}C NMR (100 MHz, CDCl_3)



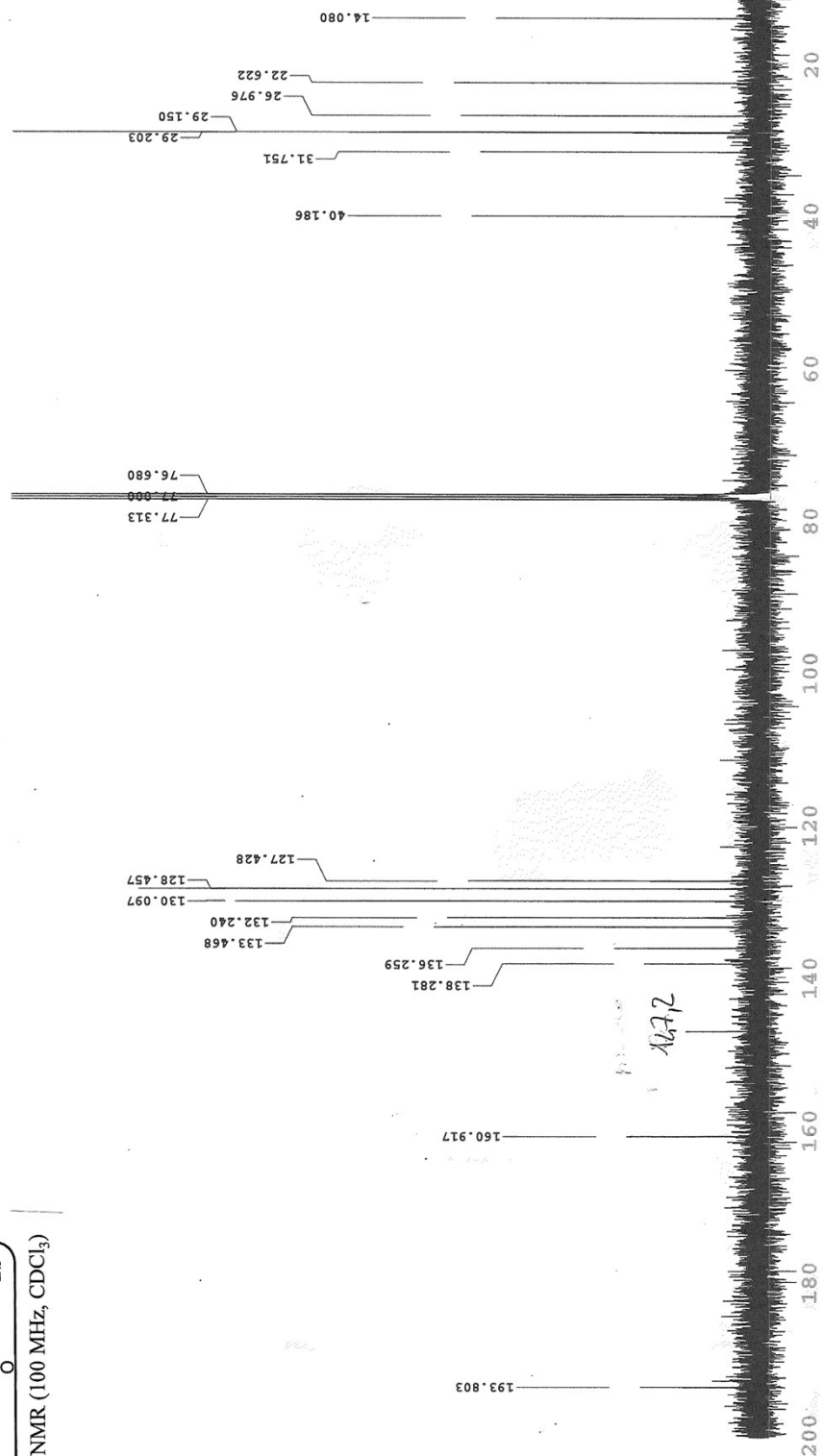


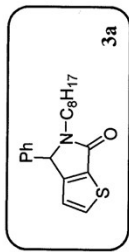
¹H NMR (600 MHz, CDCl₃)



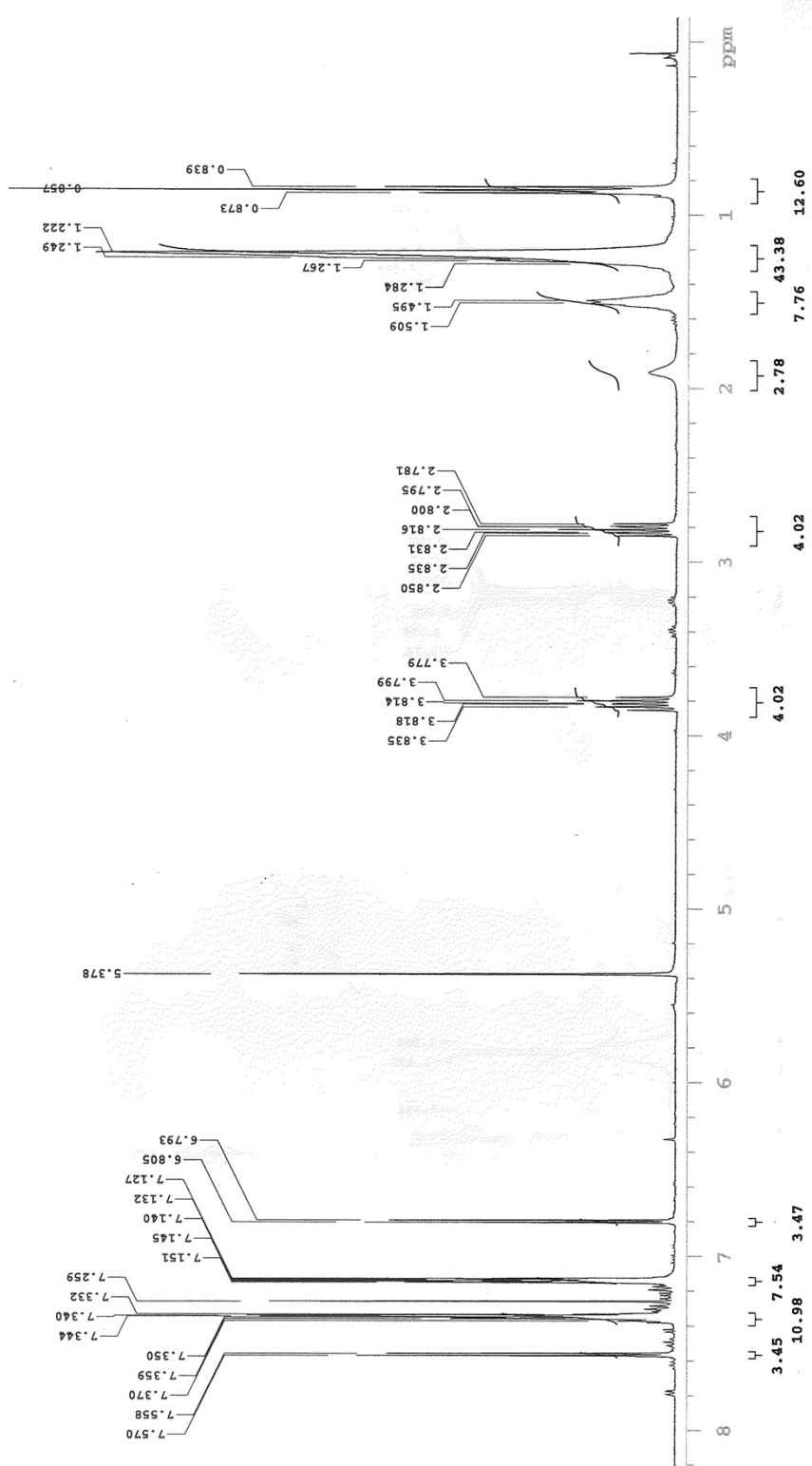


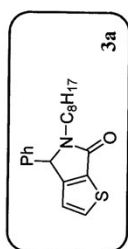
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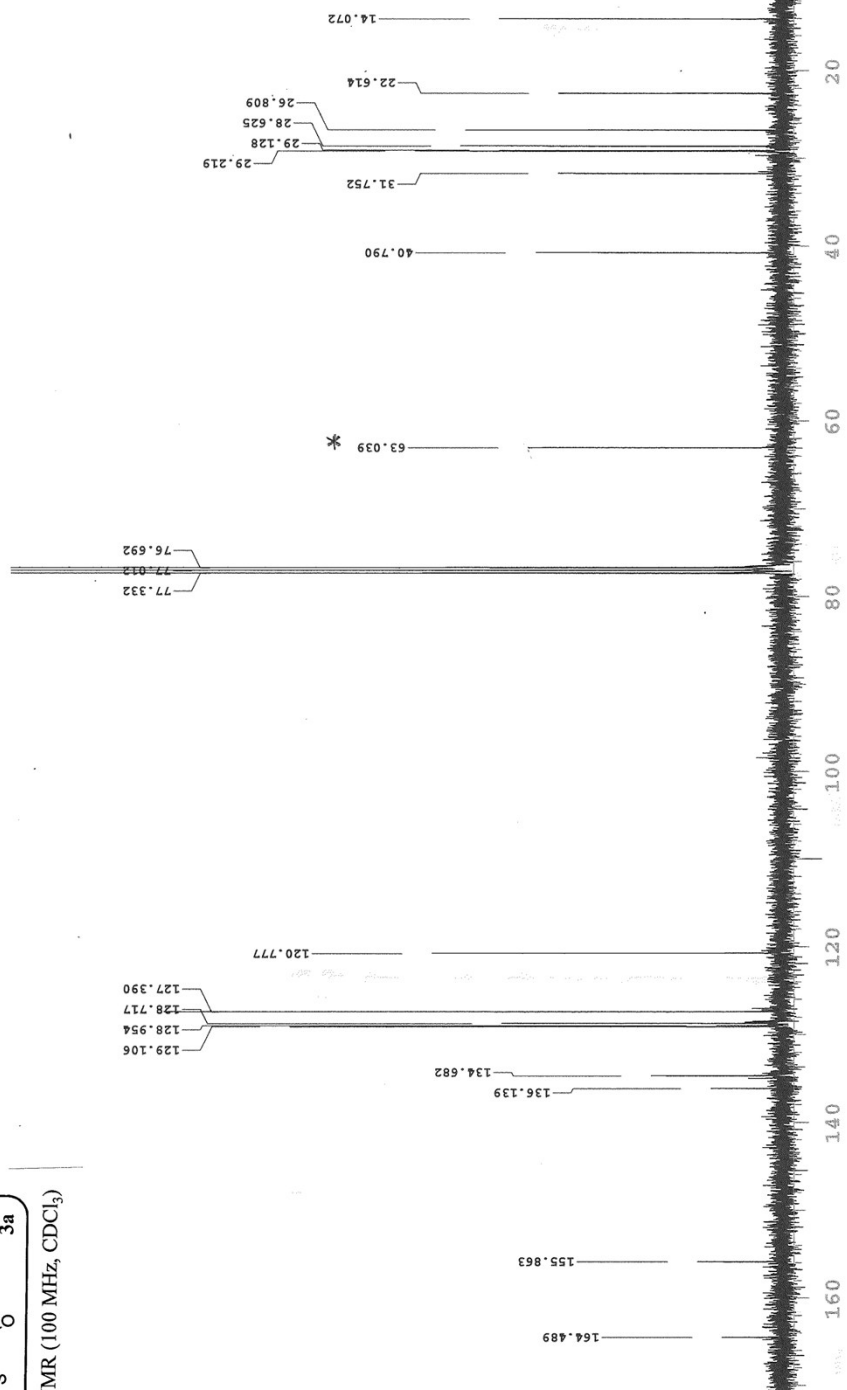


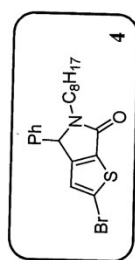
¹H NMR (400 MHz, CDCl₃)





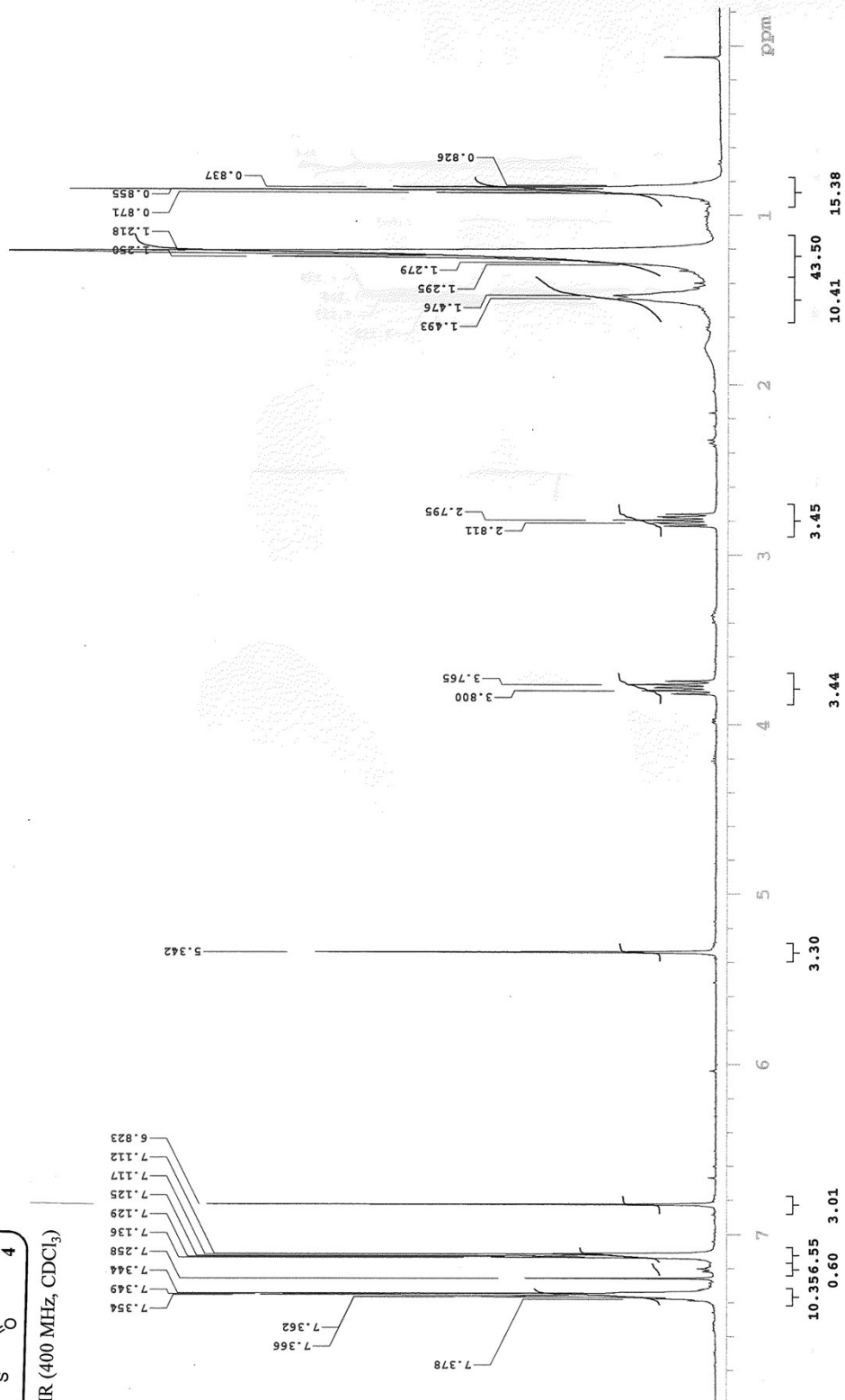
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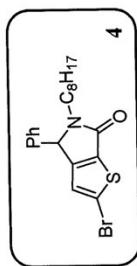




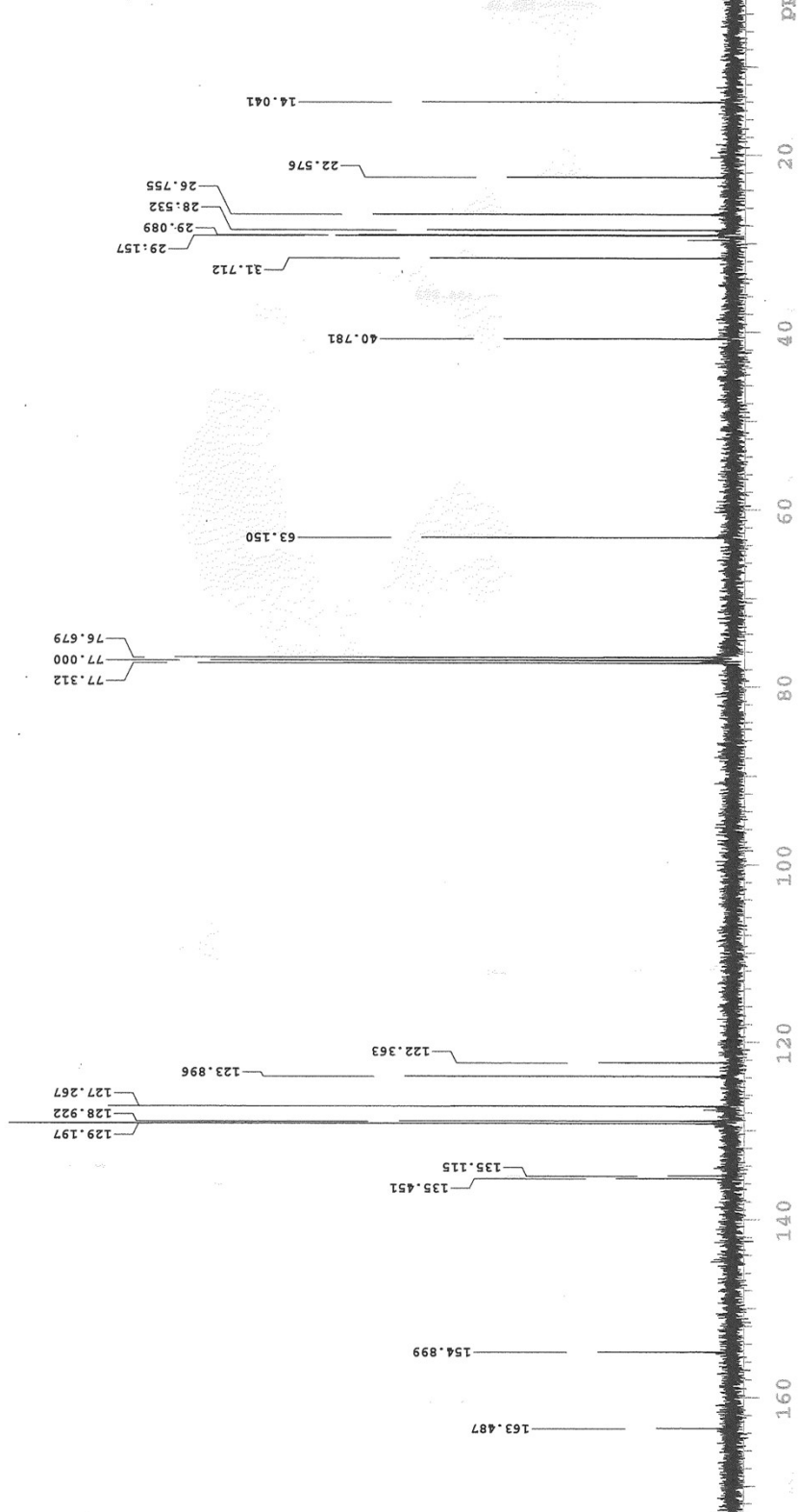
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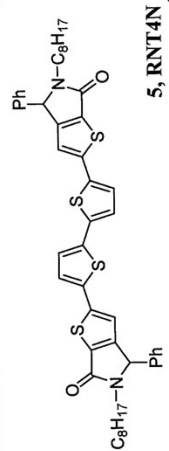
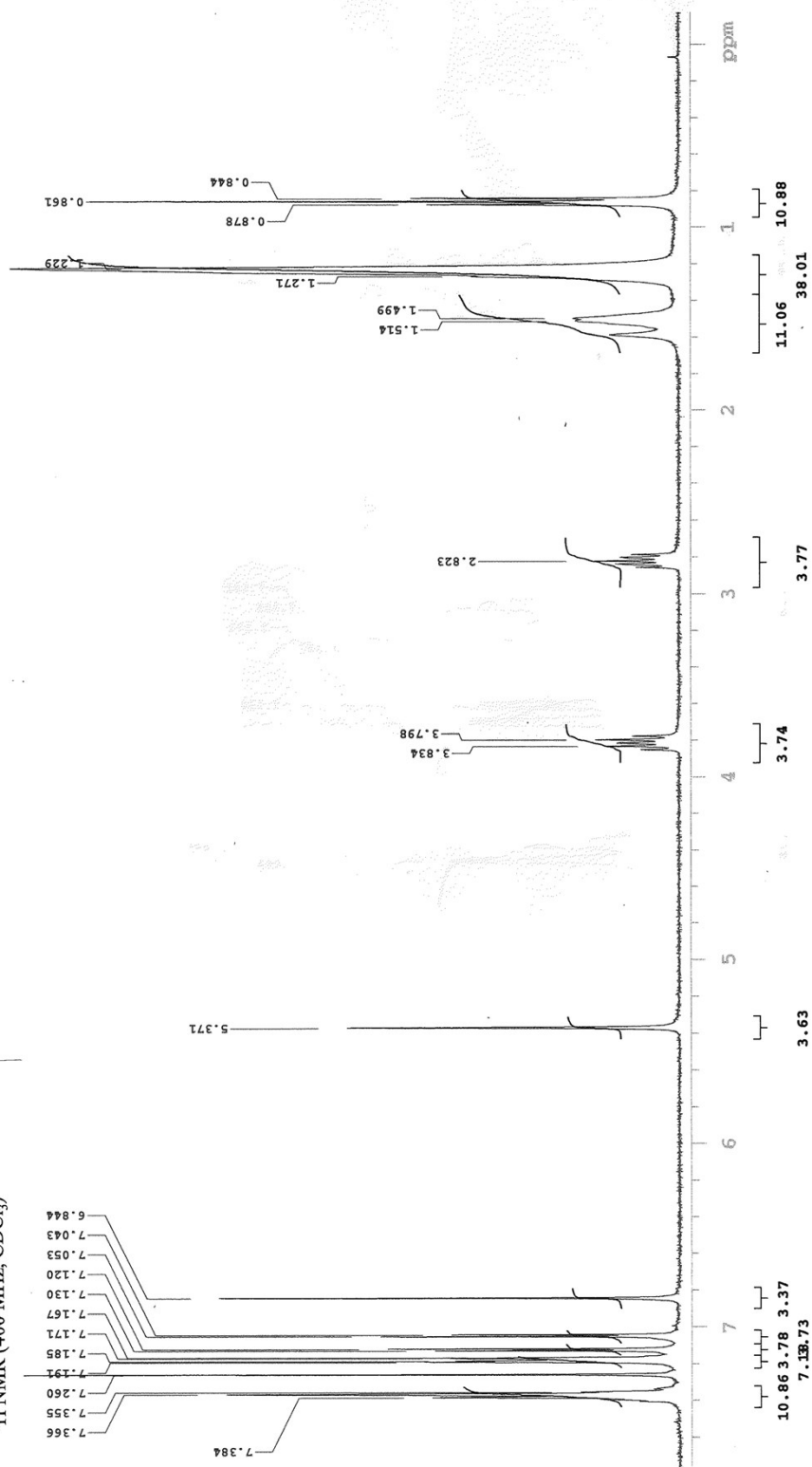
¹H NMR (400 MHz, CDCl₃)

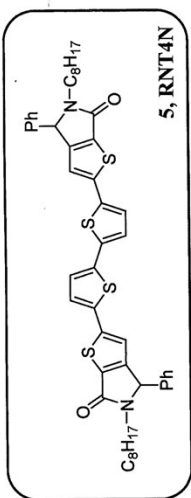




^{13}C NMR (100 MHz, CDCl_3)



¹H NMR (400 MHz, CDCl₃)



^{13}C NMR (100 MHz, CDCl_3)

