

Copper(II) catalyzed synthesis of benzo[*f*]pyrido[1,2-*a*]indole-6,11-dione derivatives via naphthoquinone difunctionalization reaction

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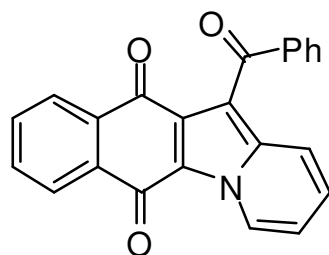
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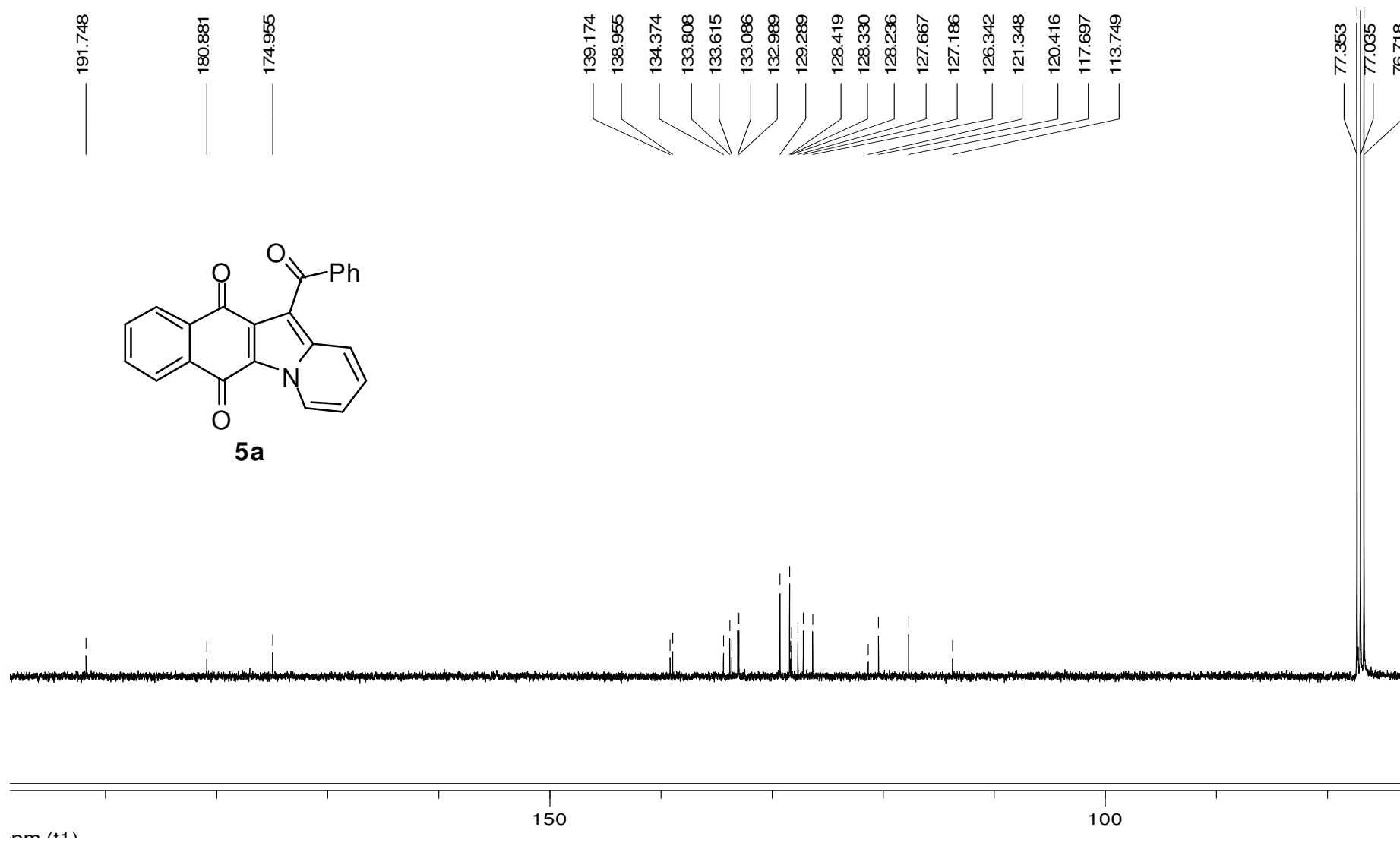
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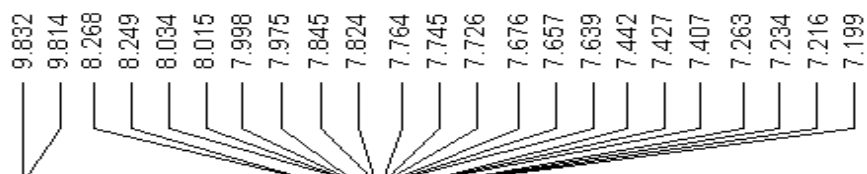
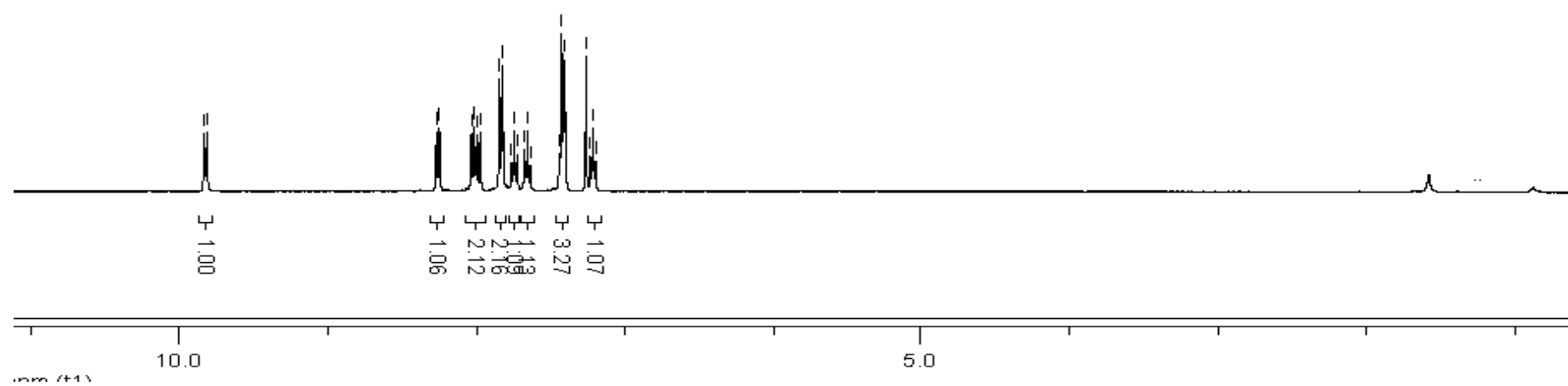
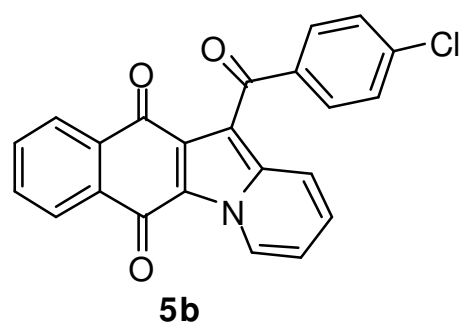
Supporting Information

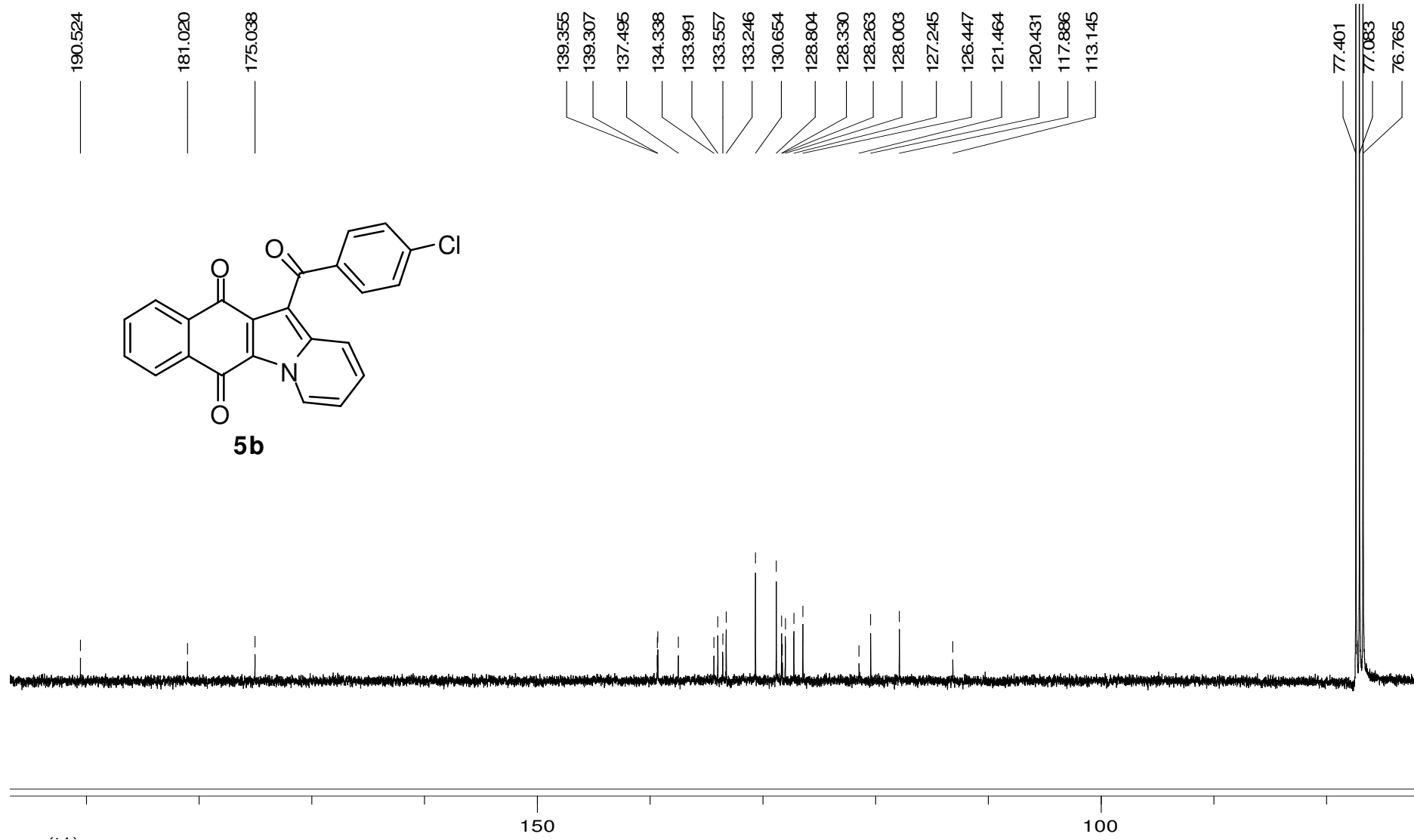
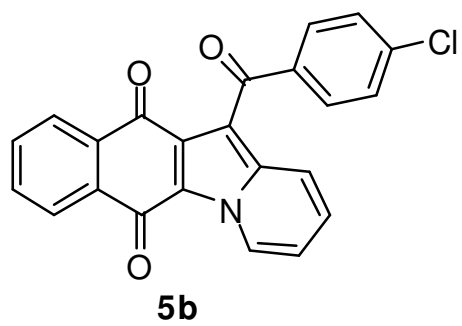
Copies of ¹ H NMR and ¹³ C NMR Spectra of compounds 5a-5t	S2-S41
Copies of ¹ H NMR and ¹³ C NMR Spectra of compounds 6a-6e	S42-S51
ORTEP drawing of 5i	S52

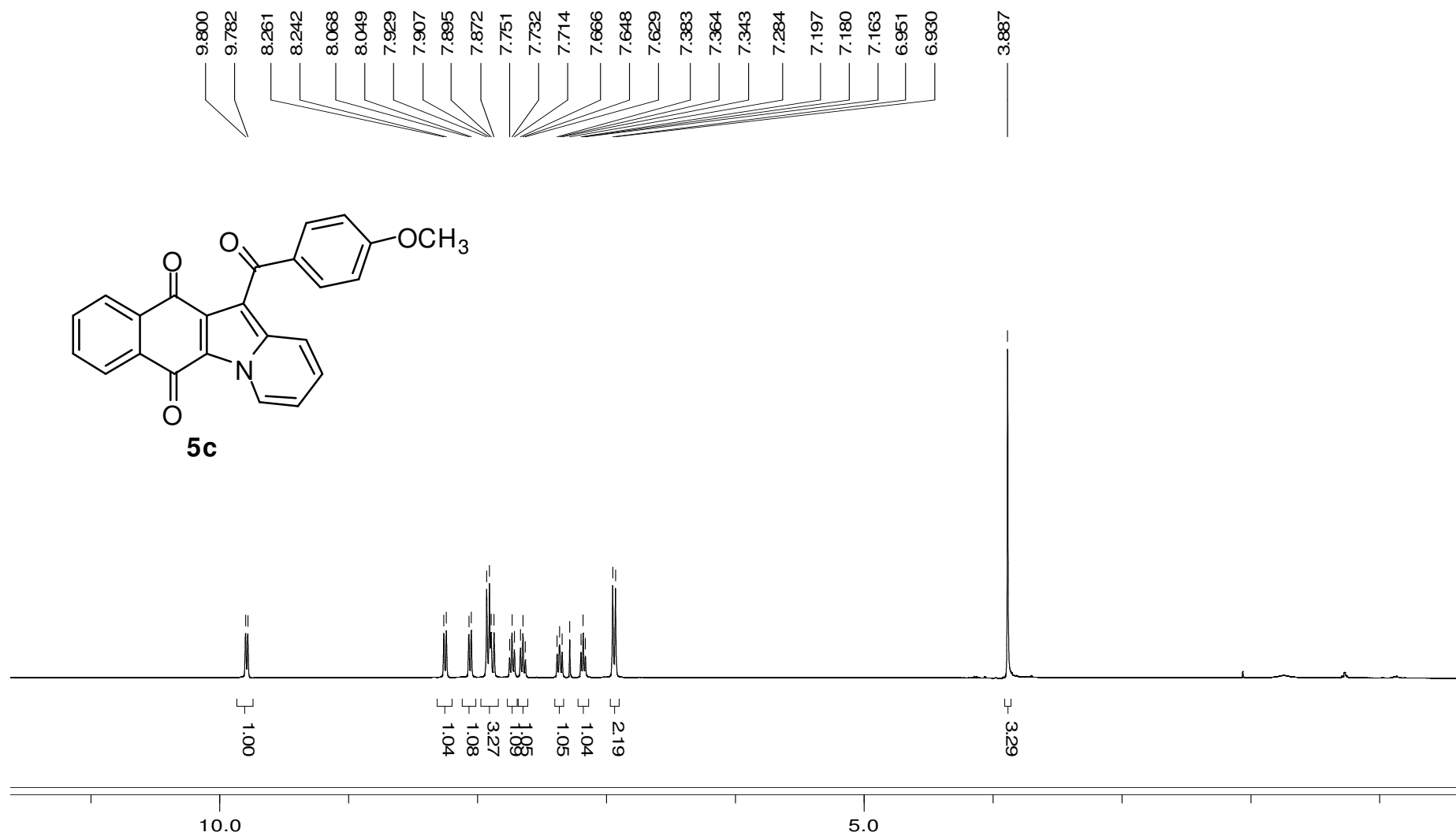


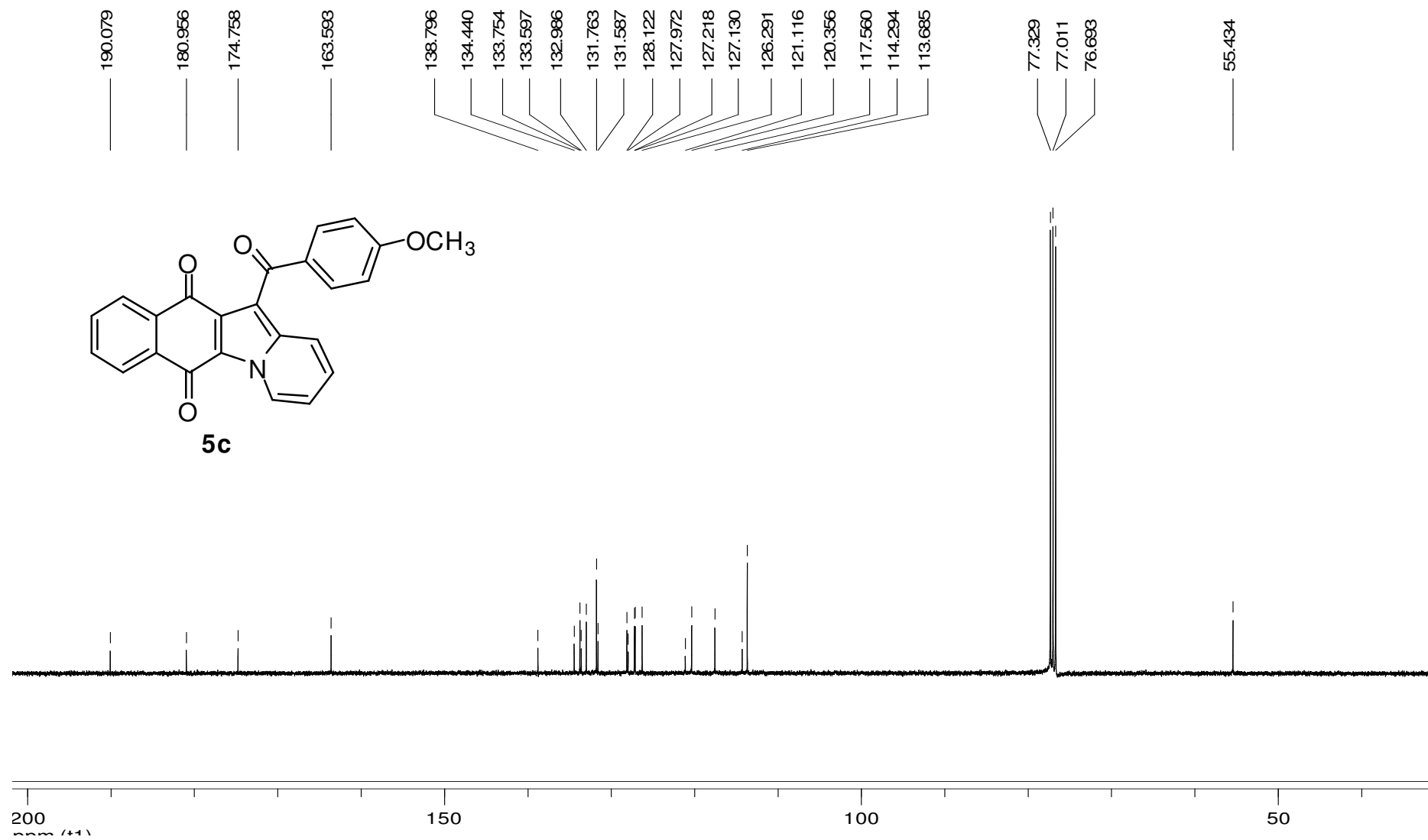
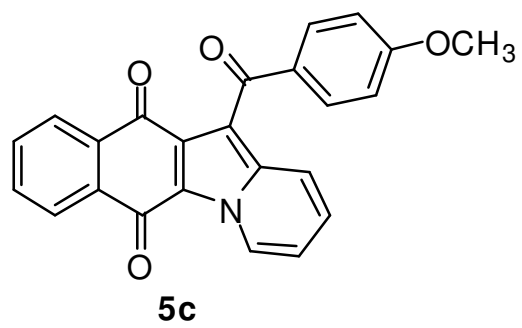
5a

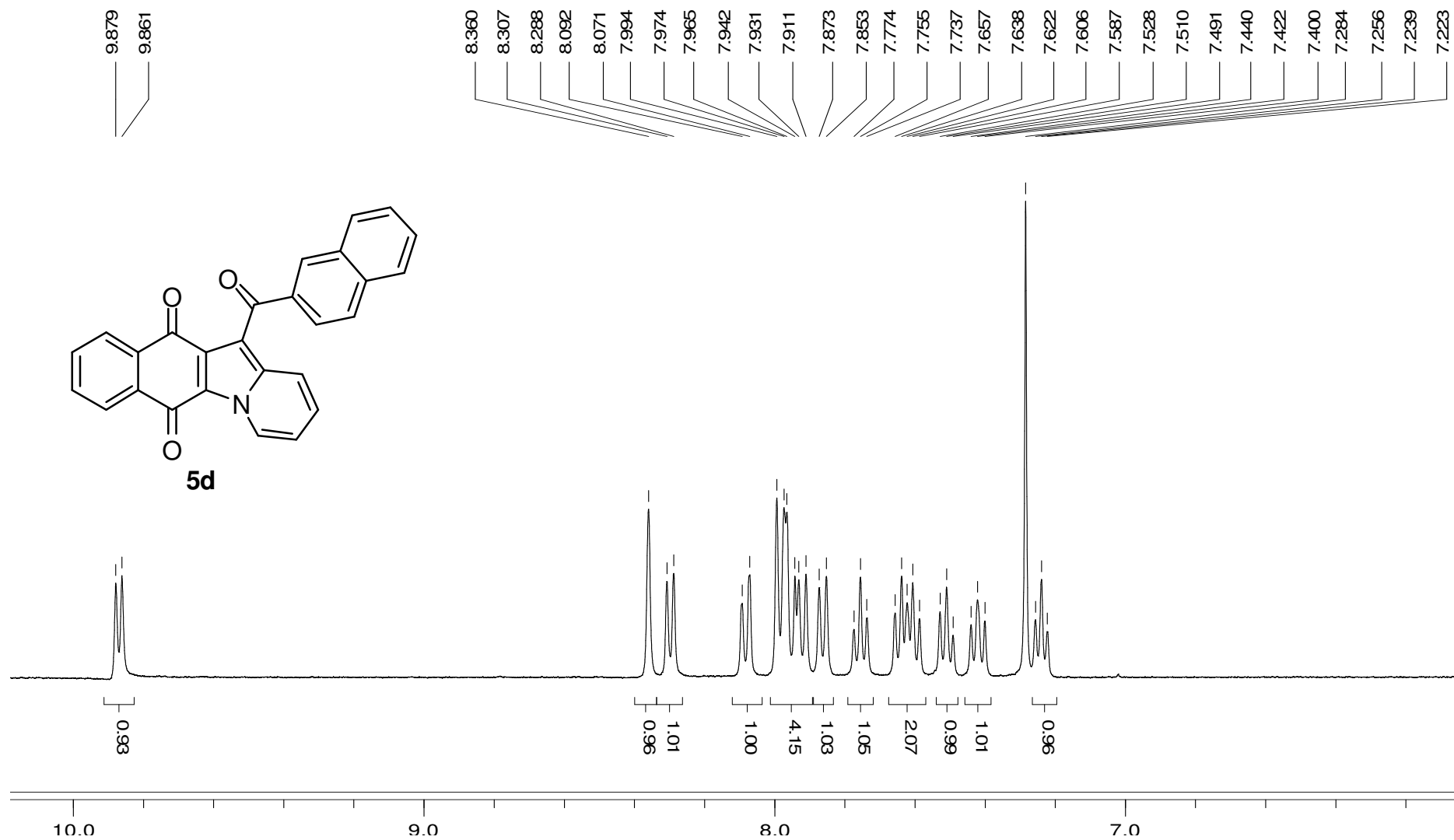
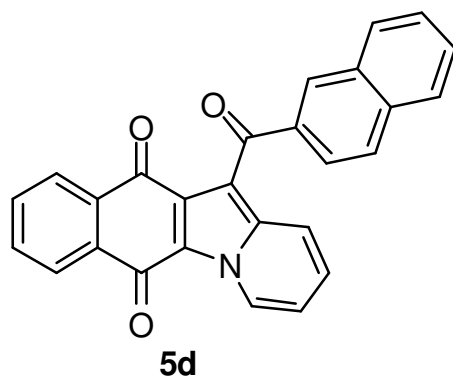


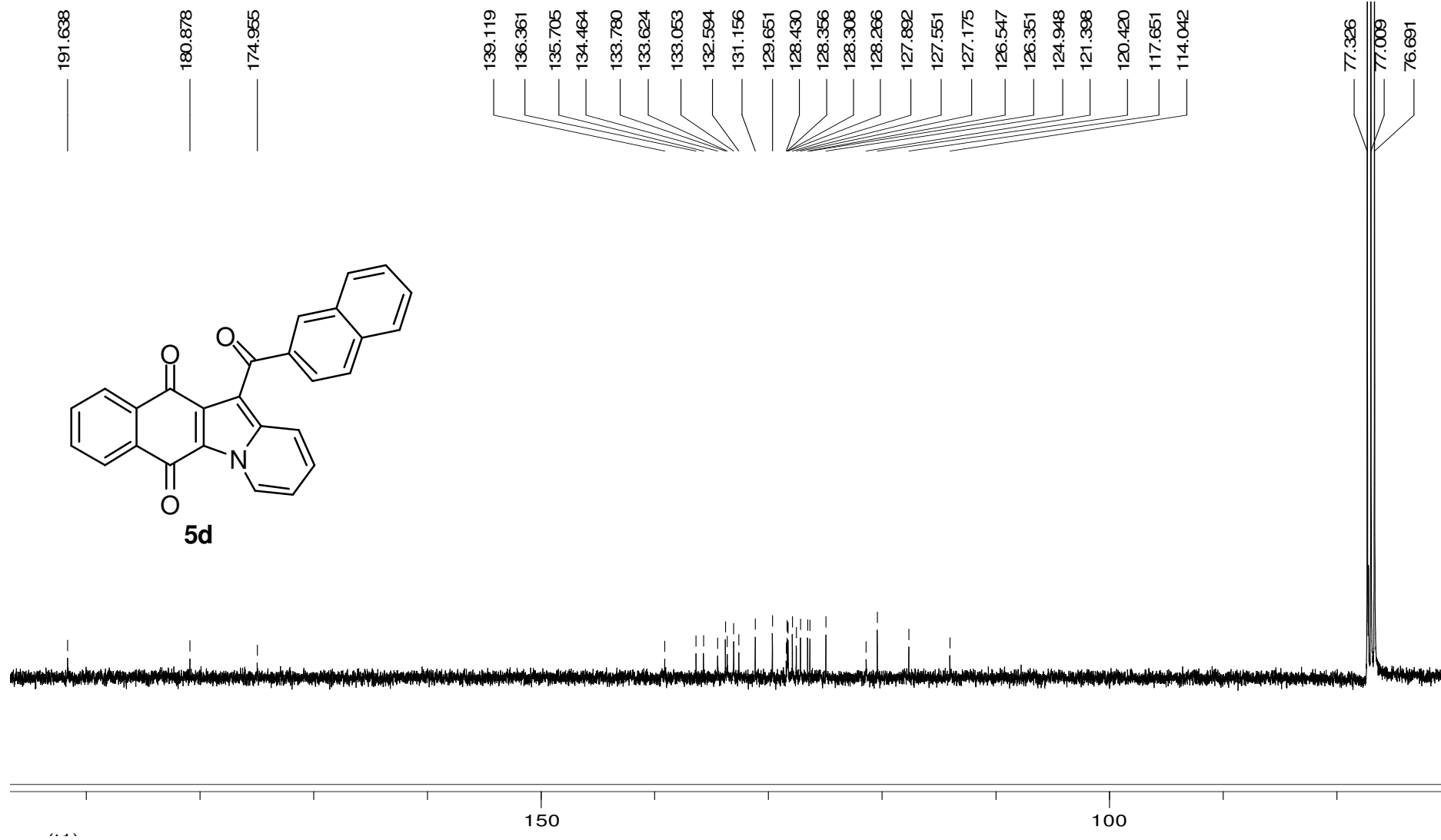
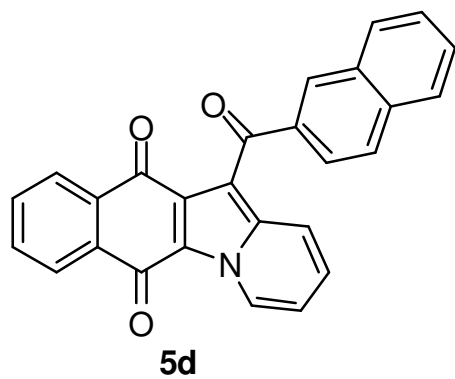


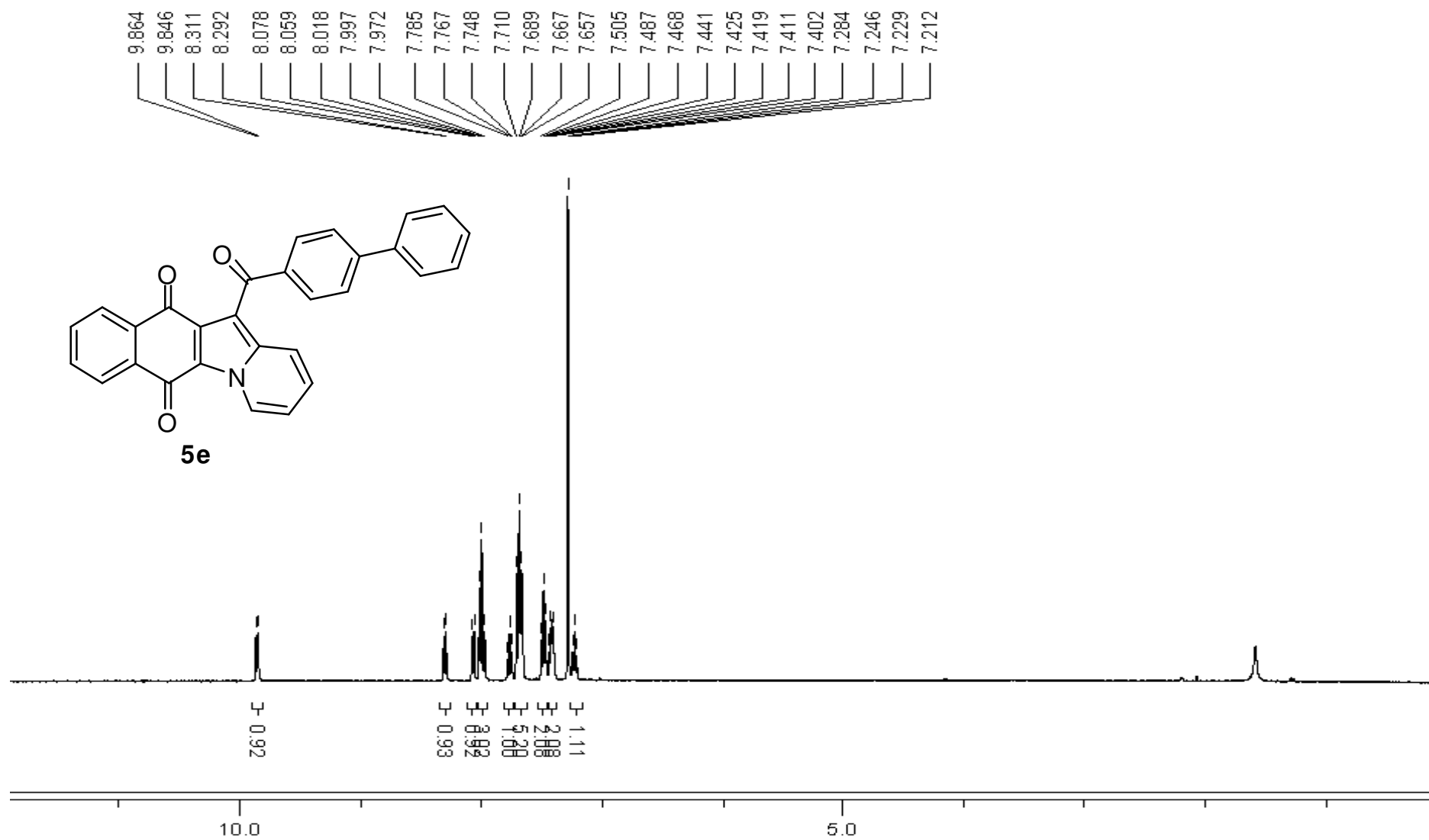


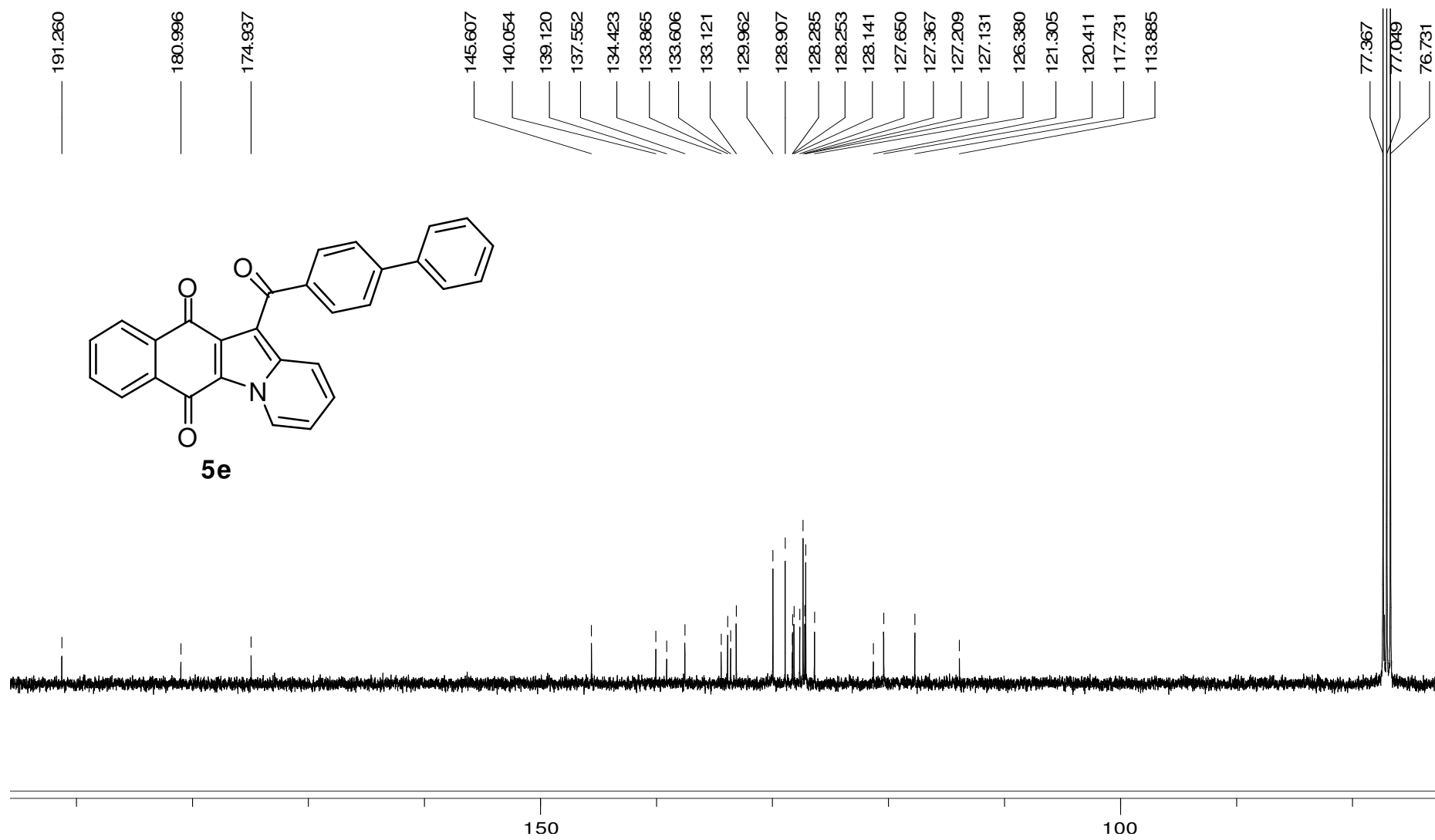


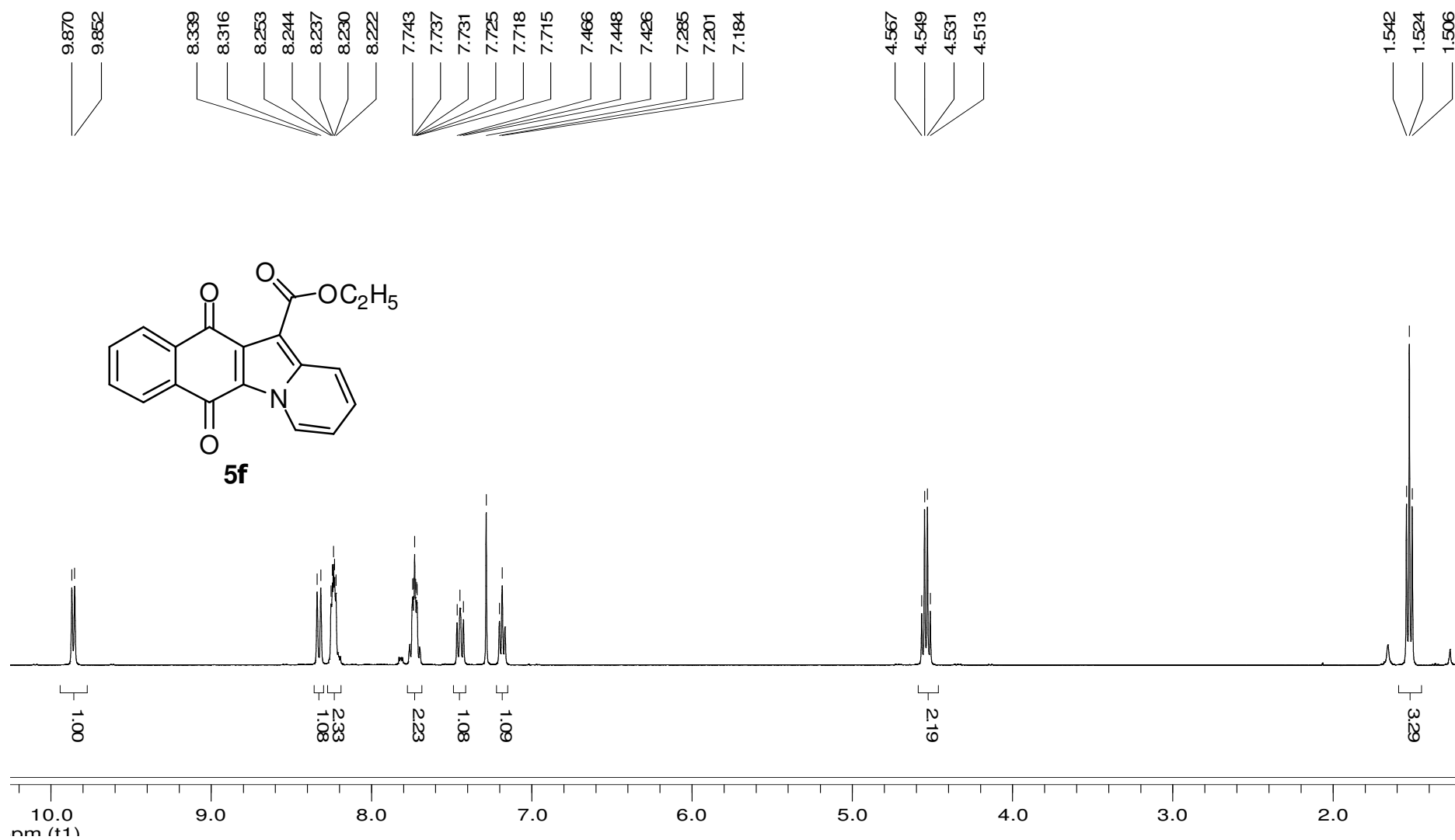


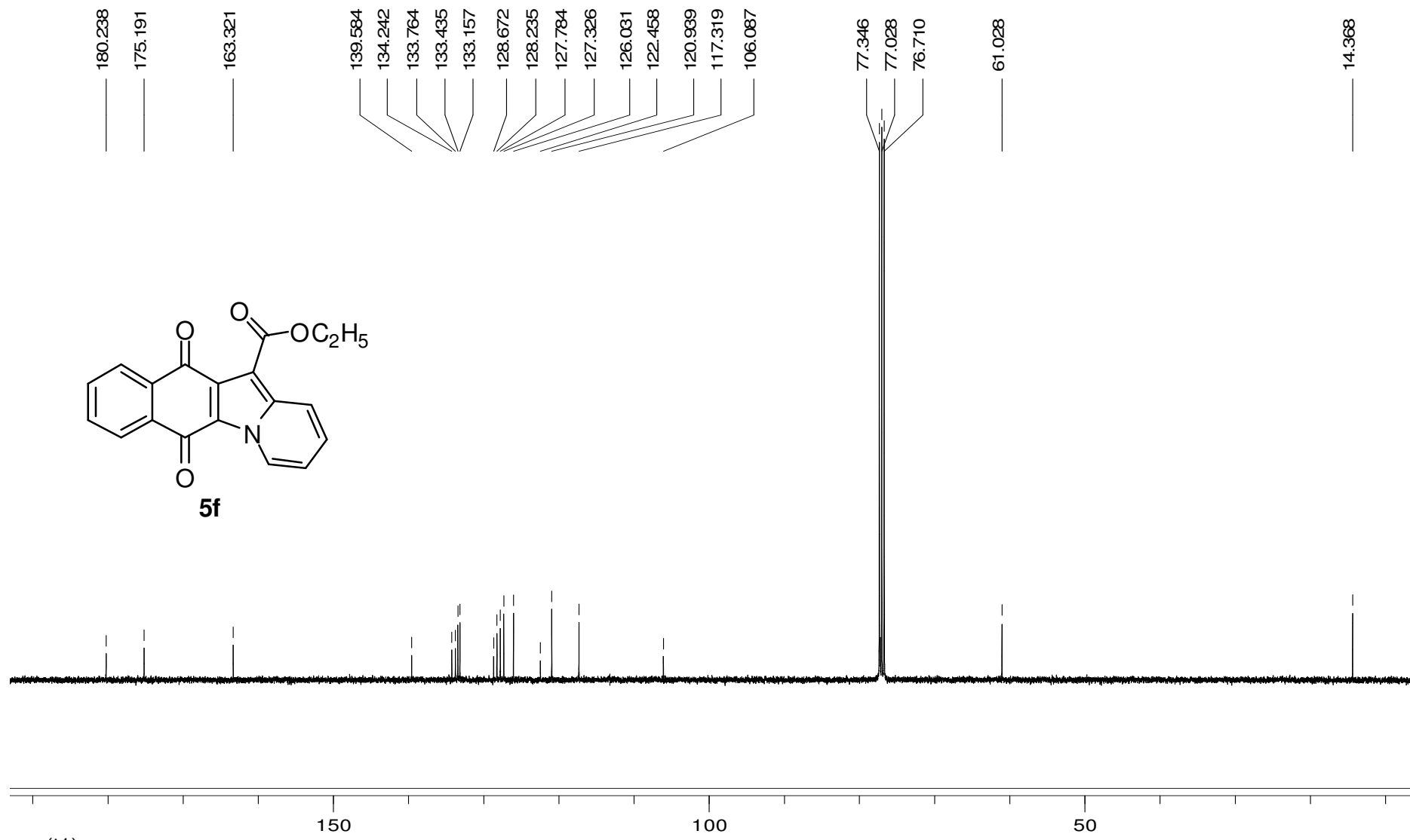
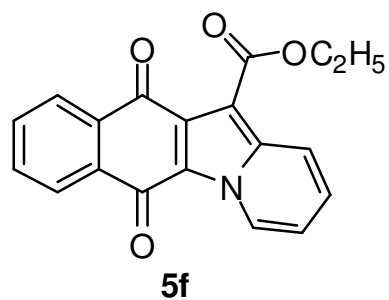


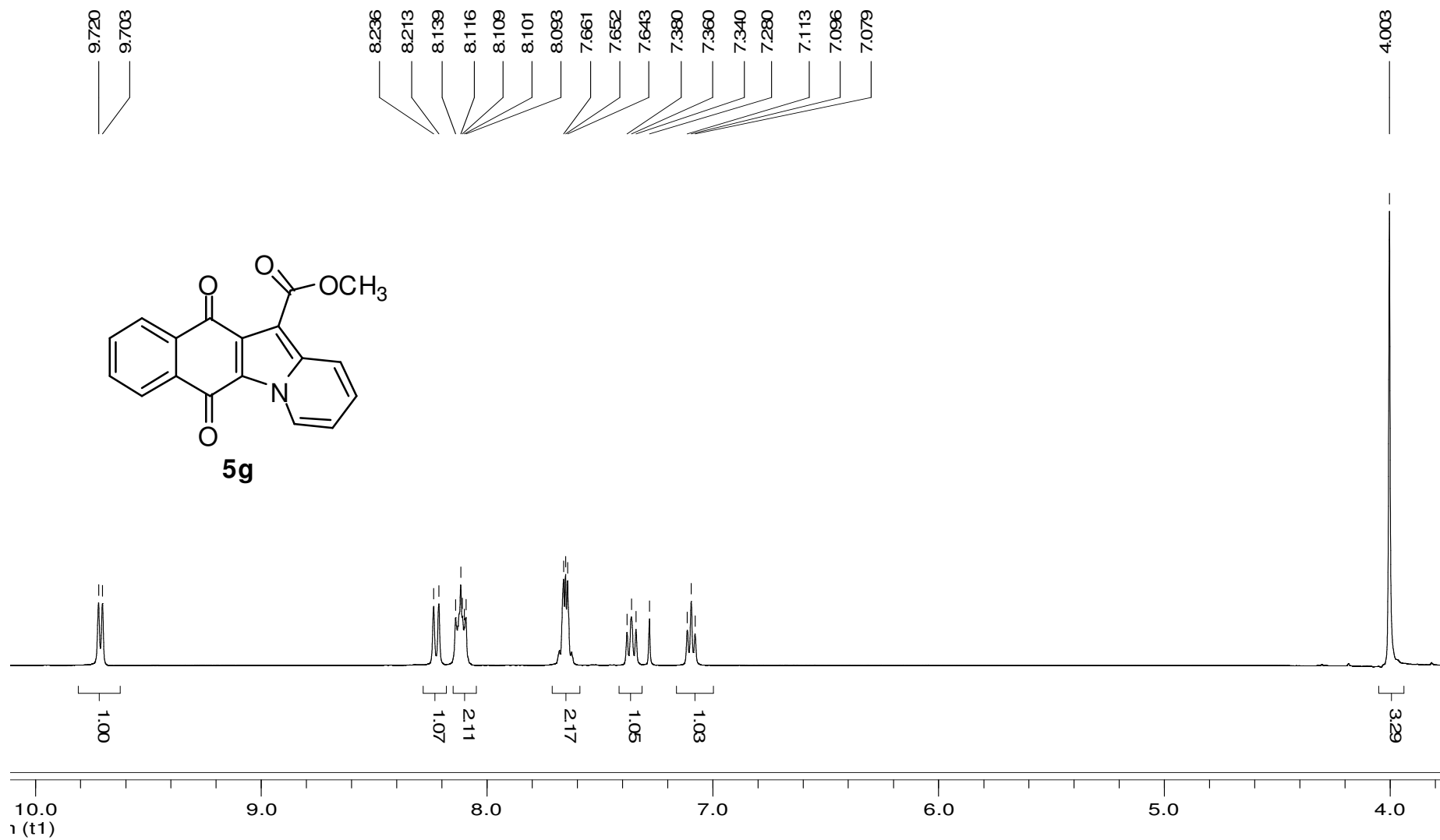


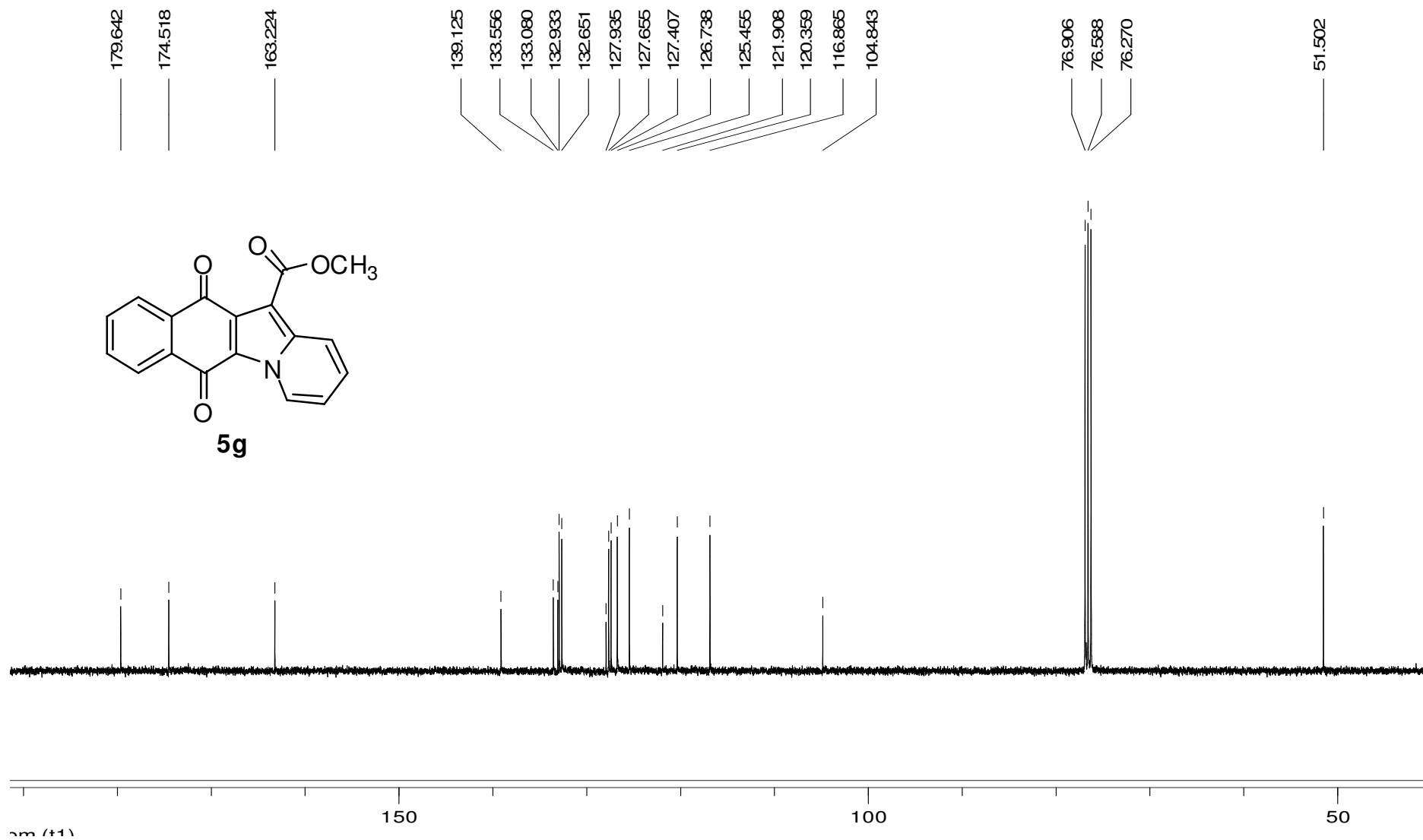
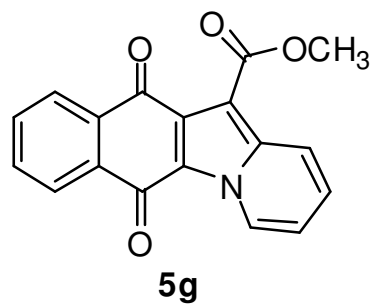


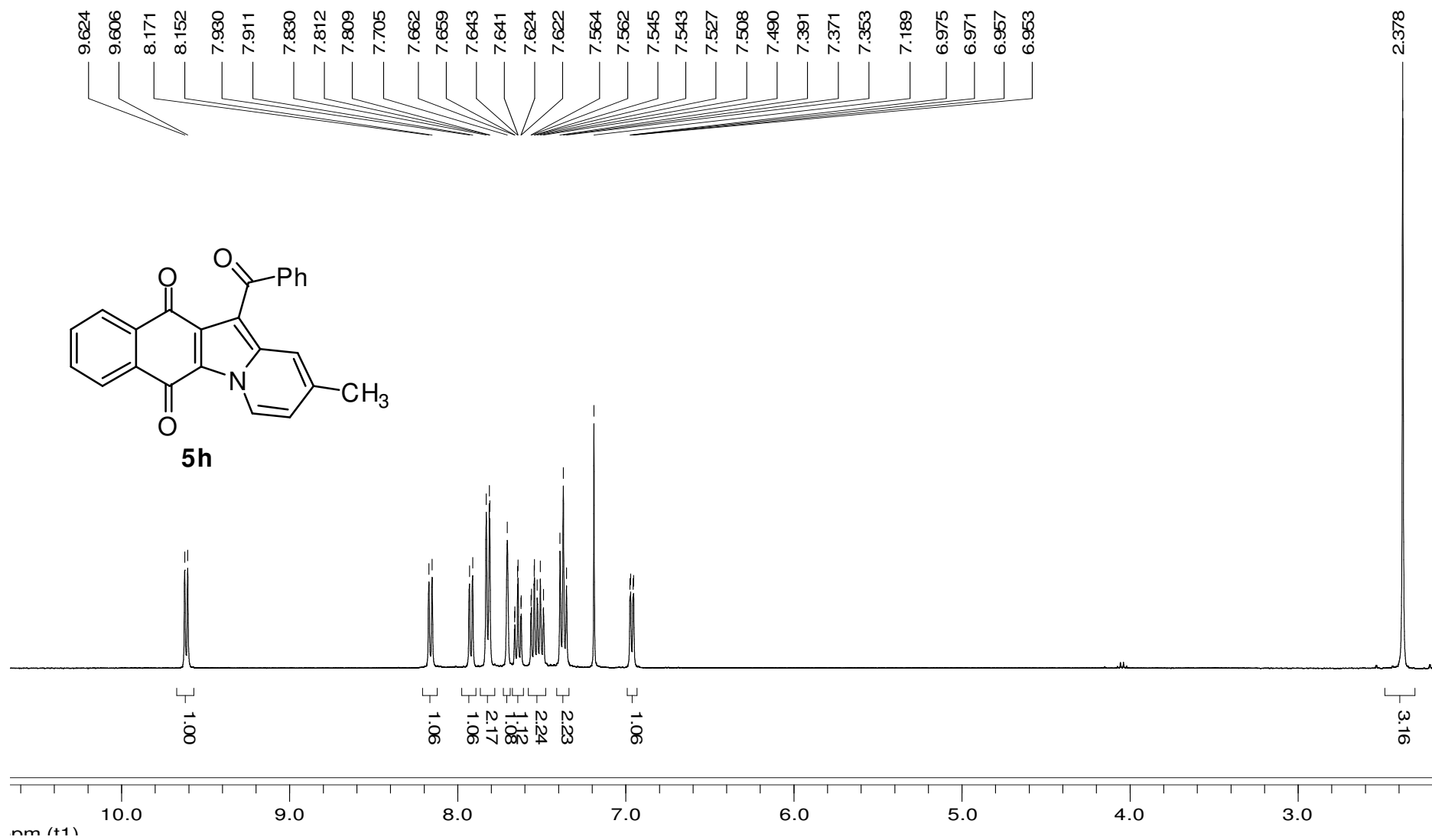


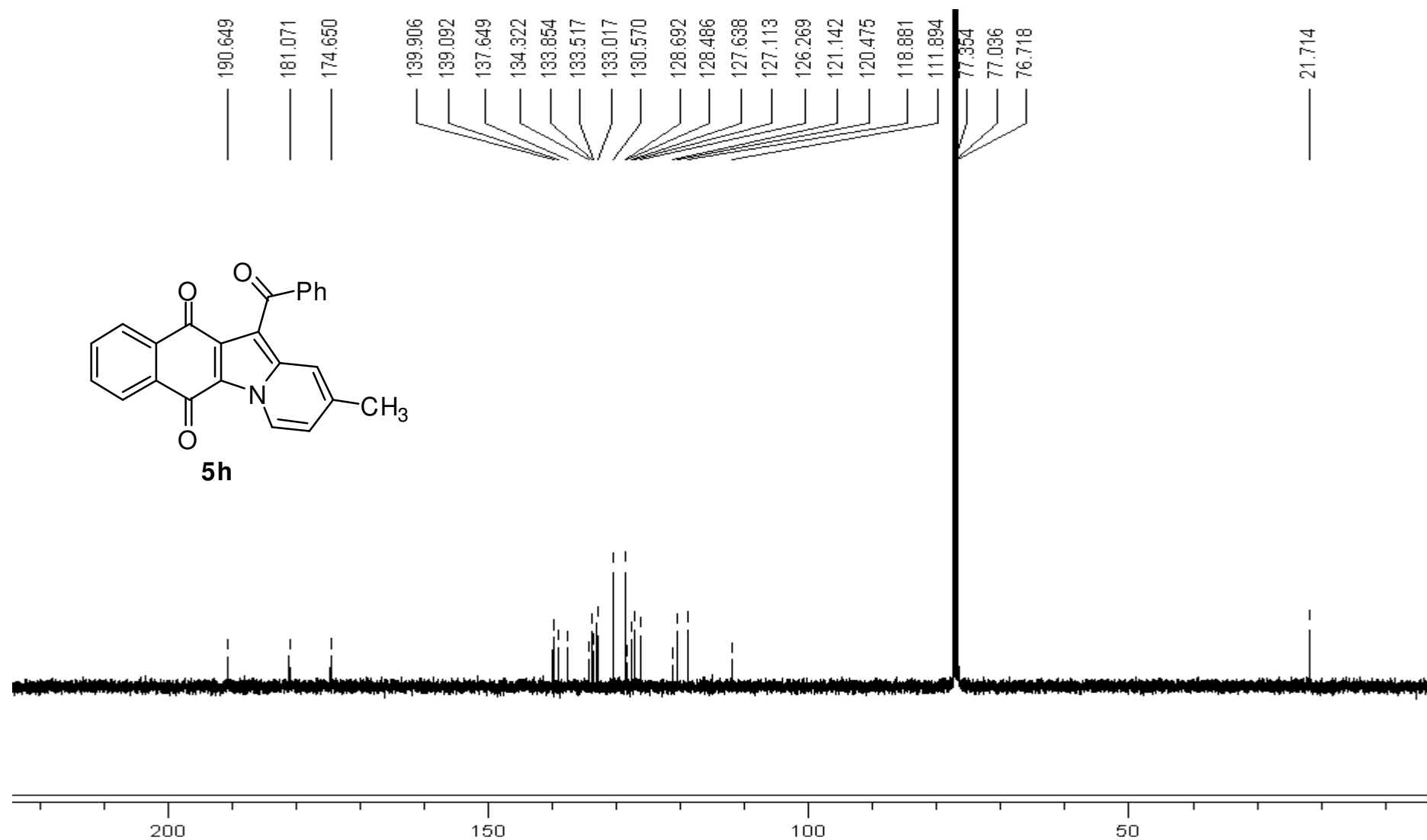
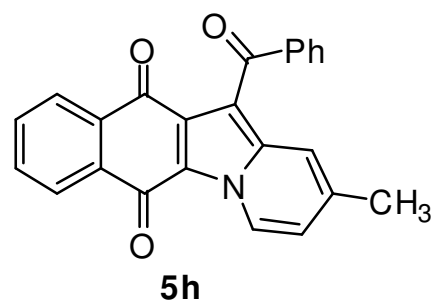


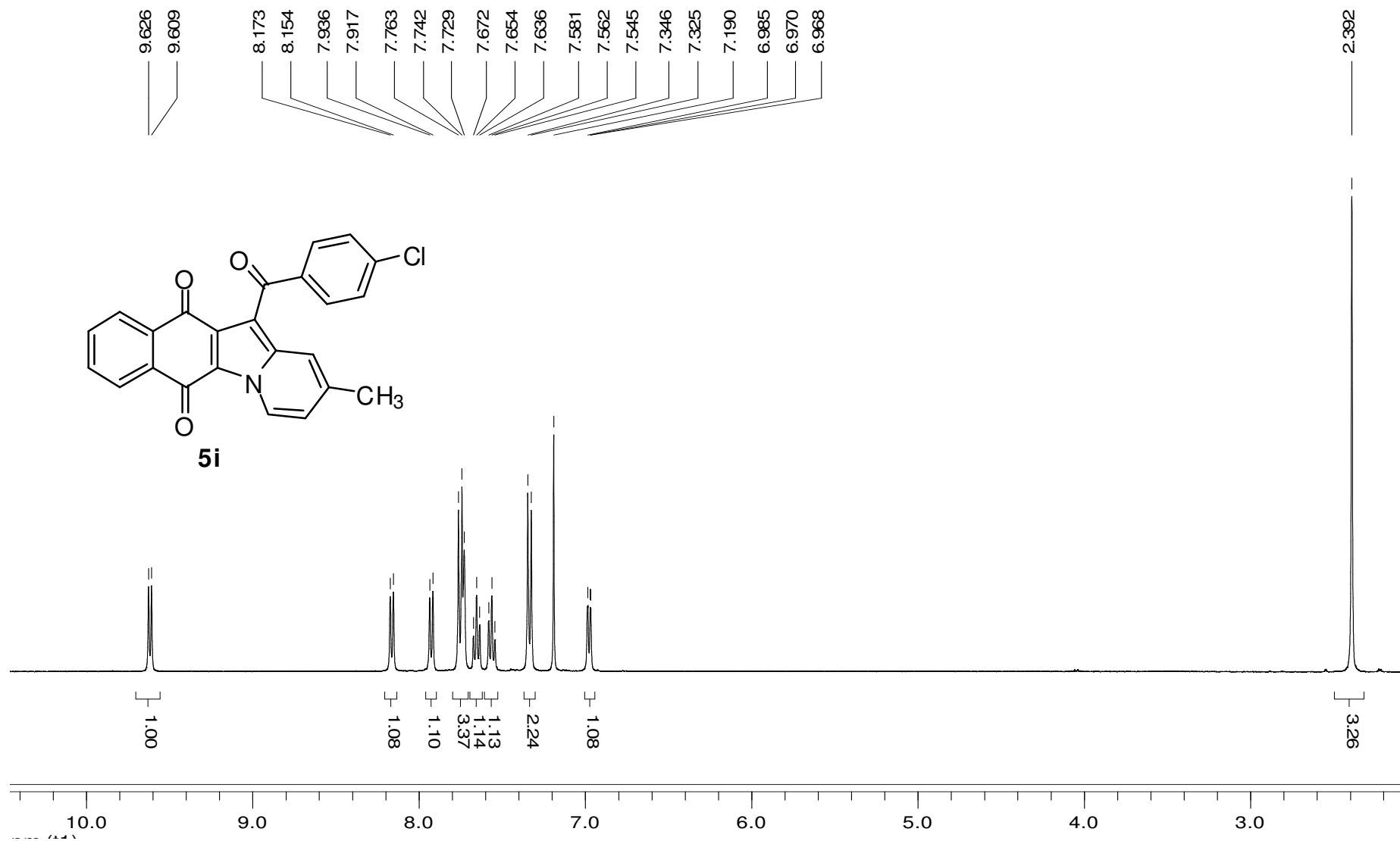


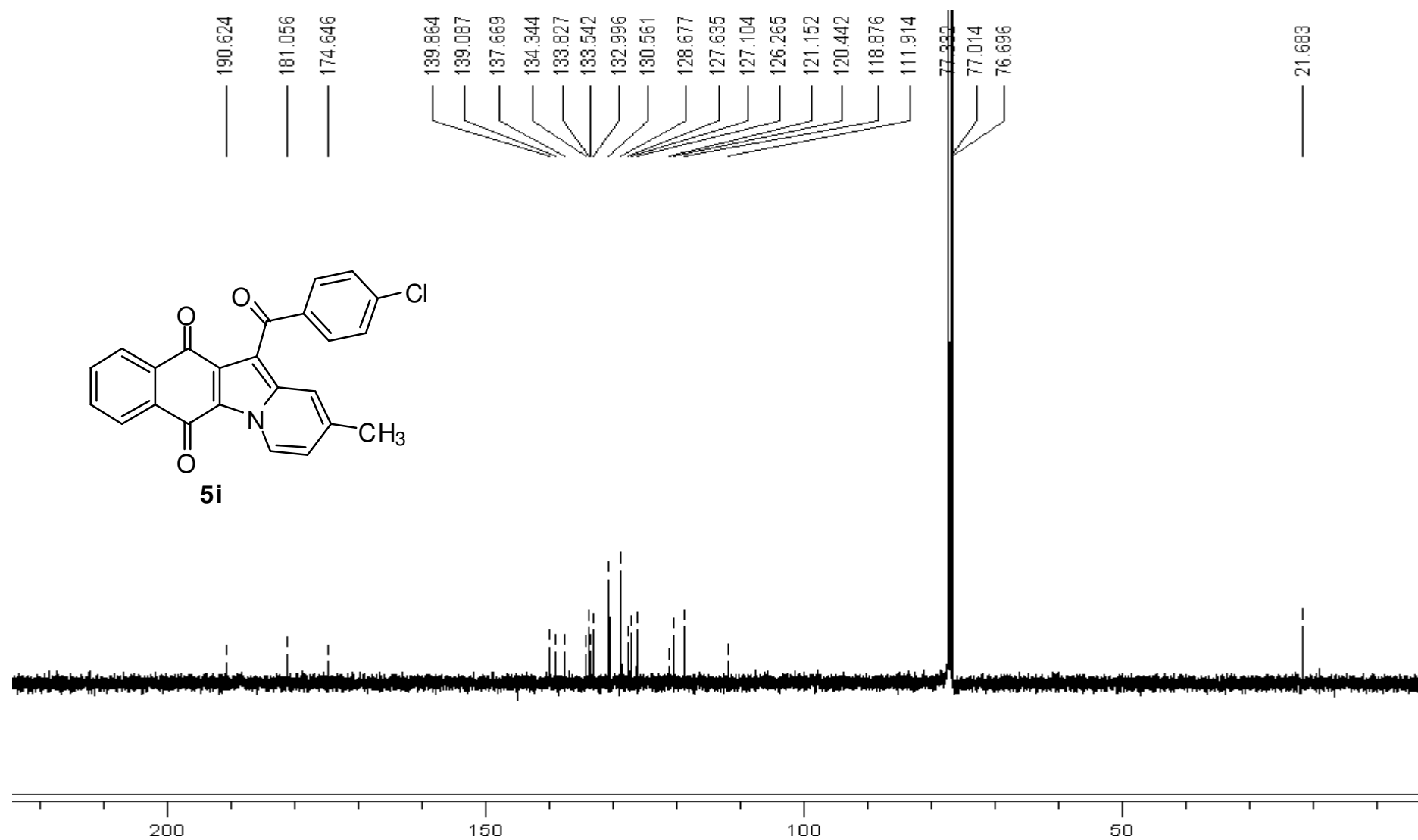
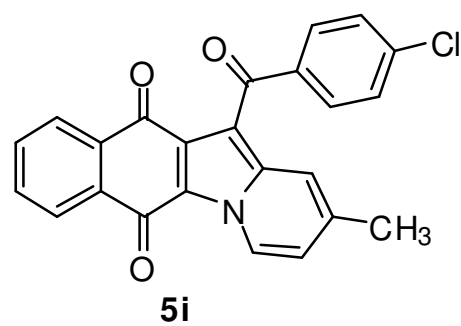


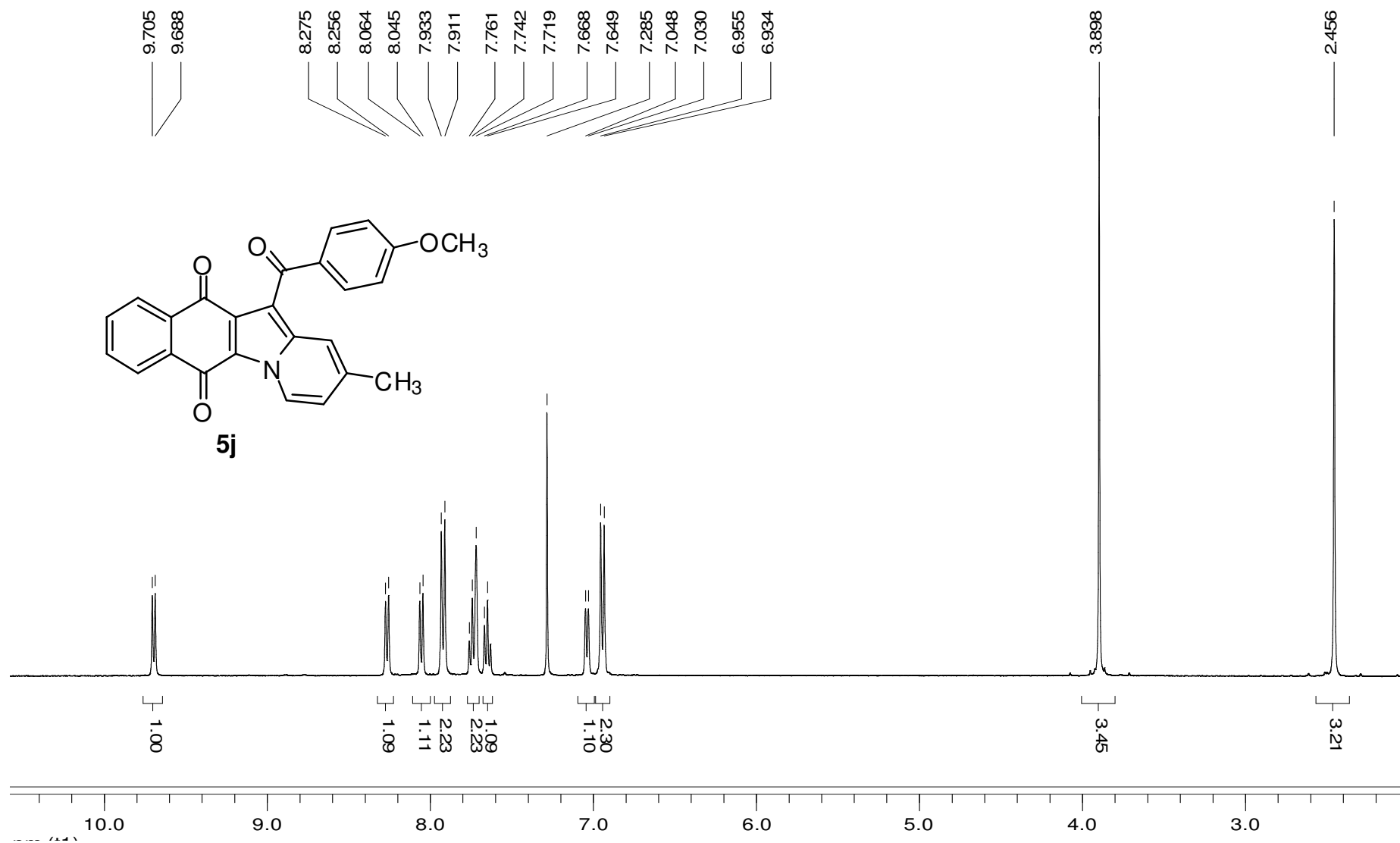


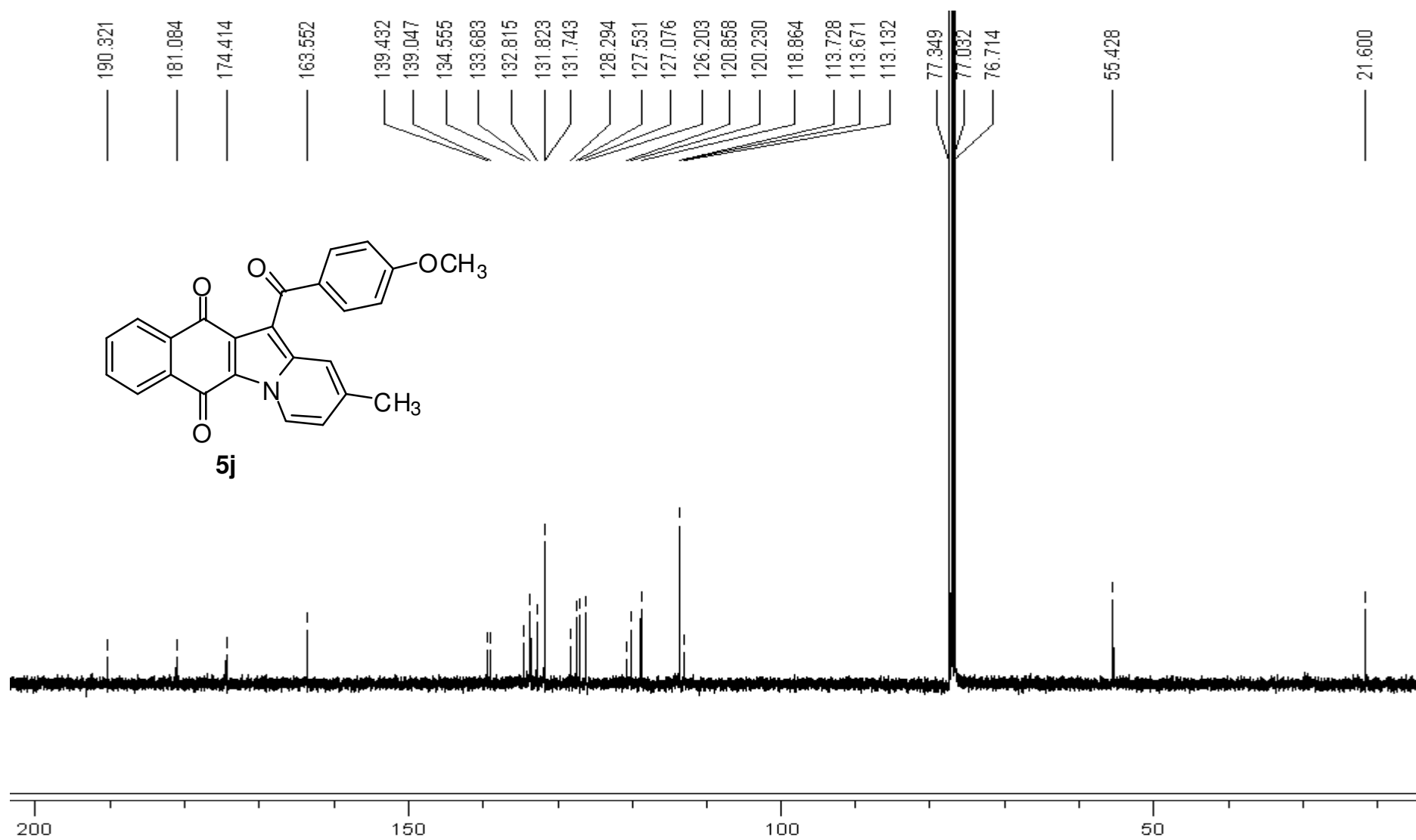


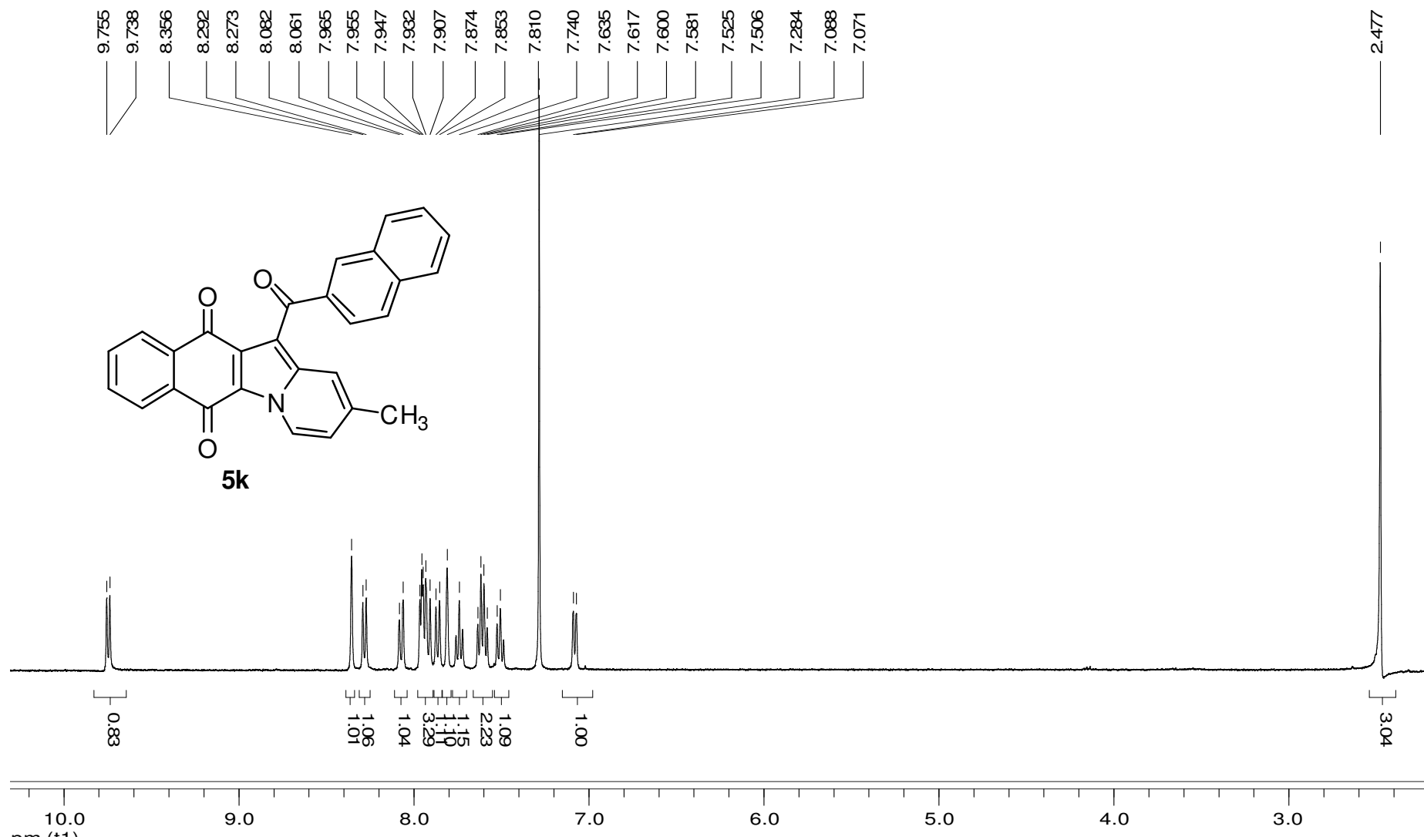


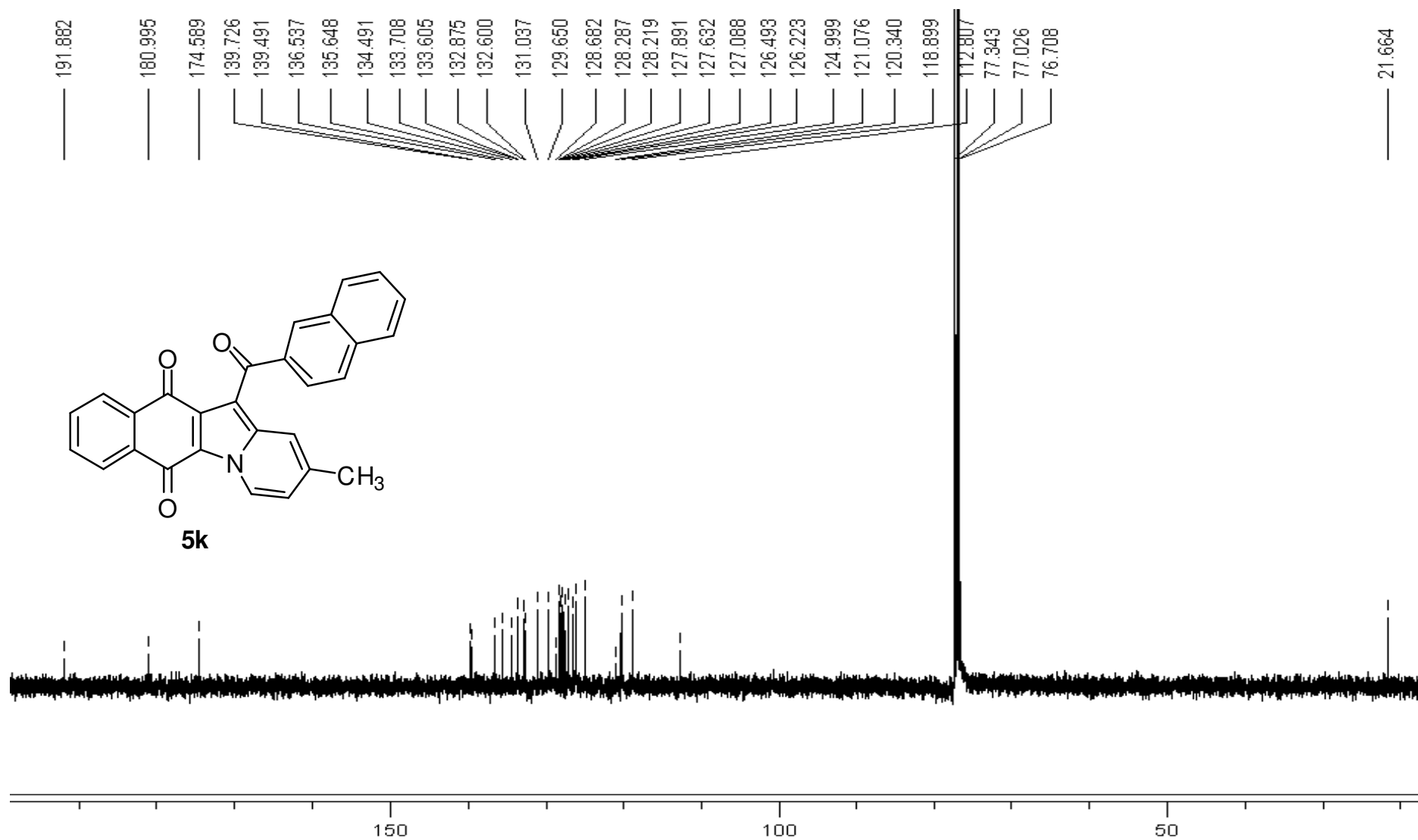


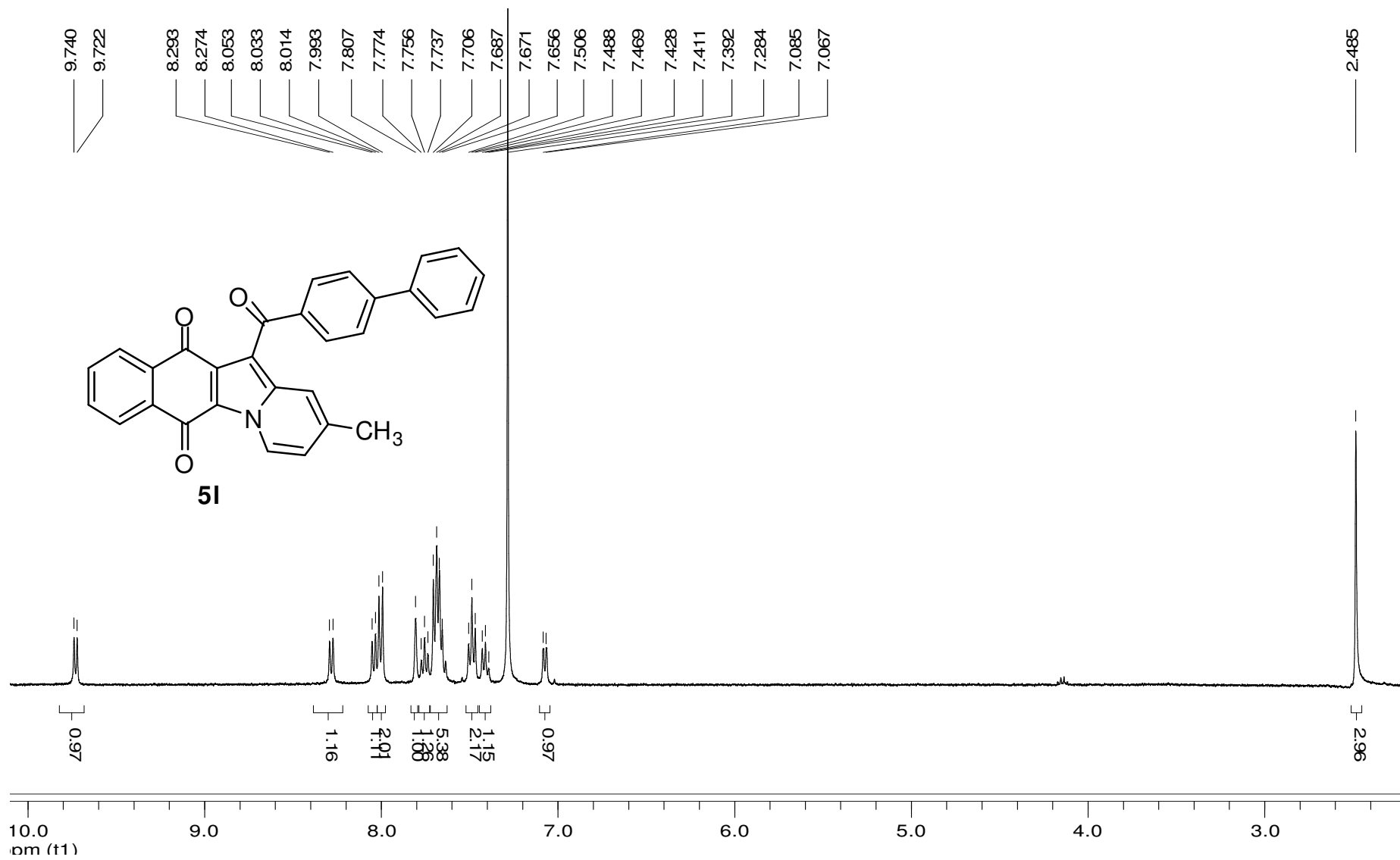


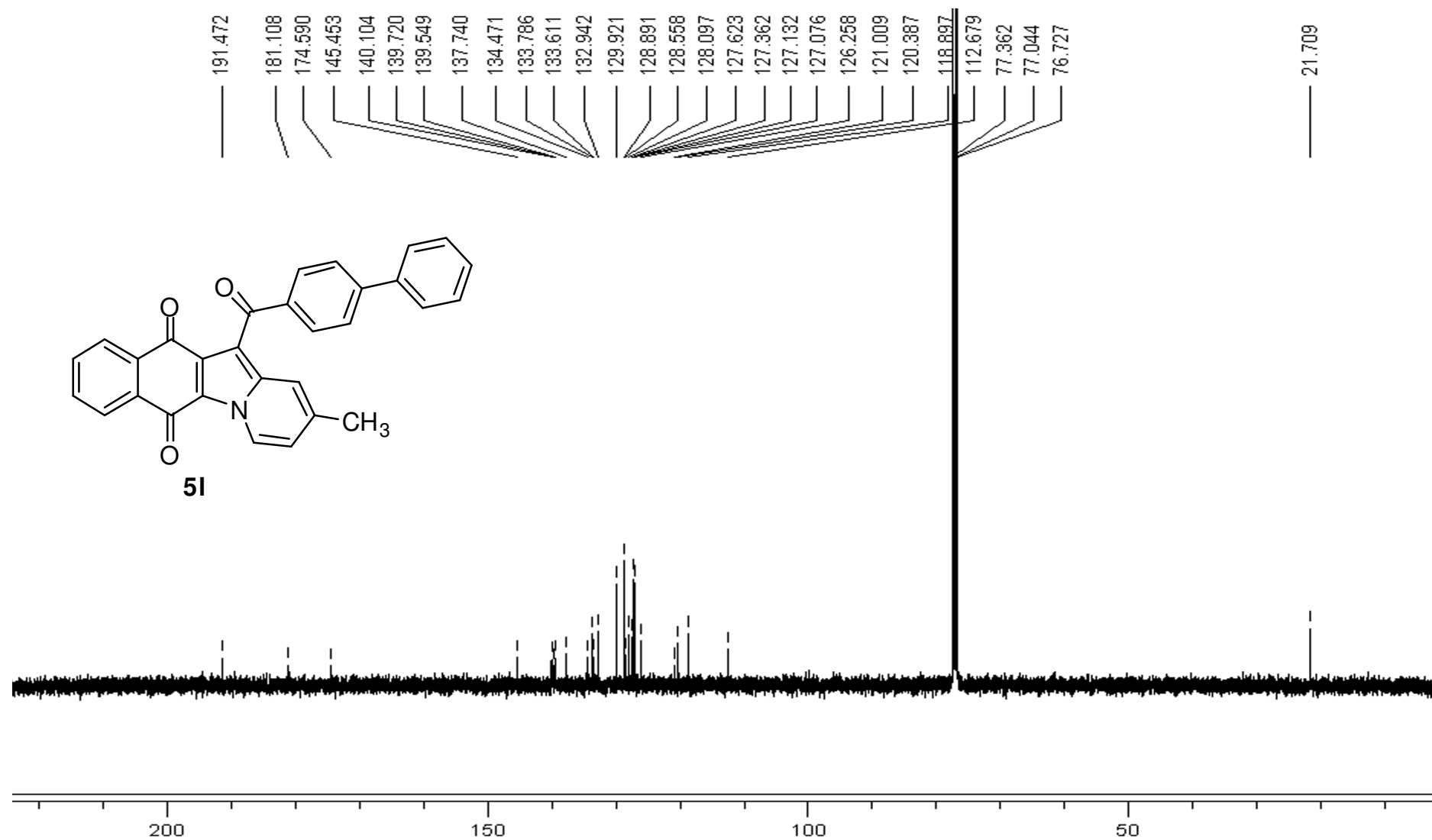
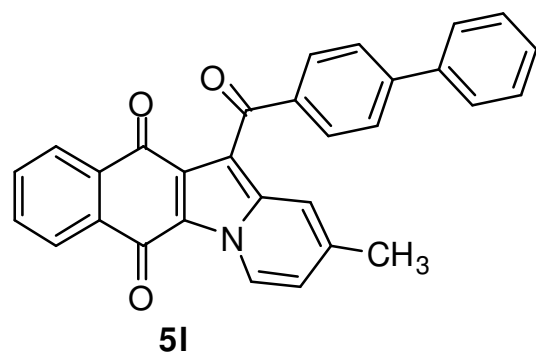


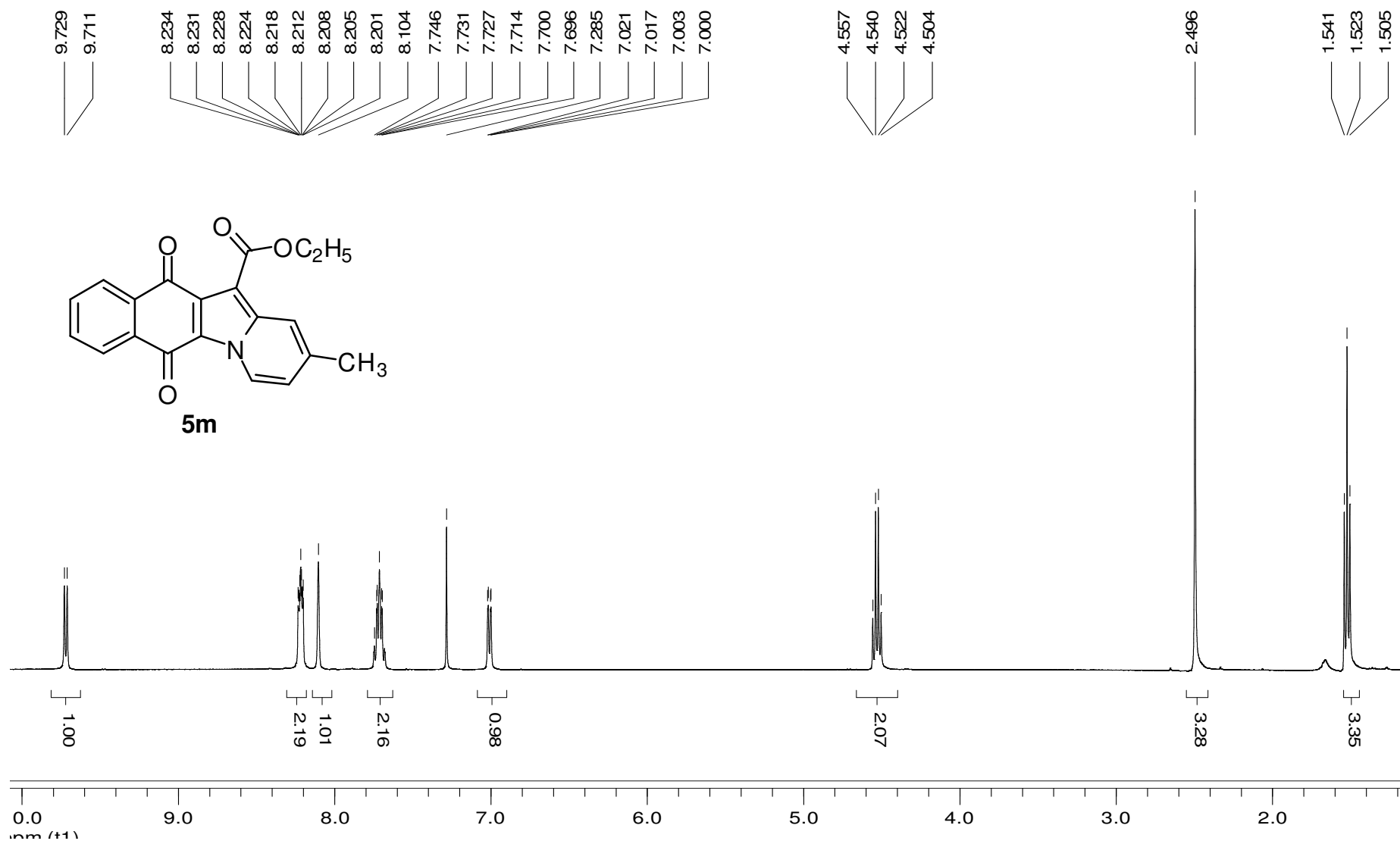


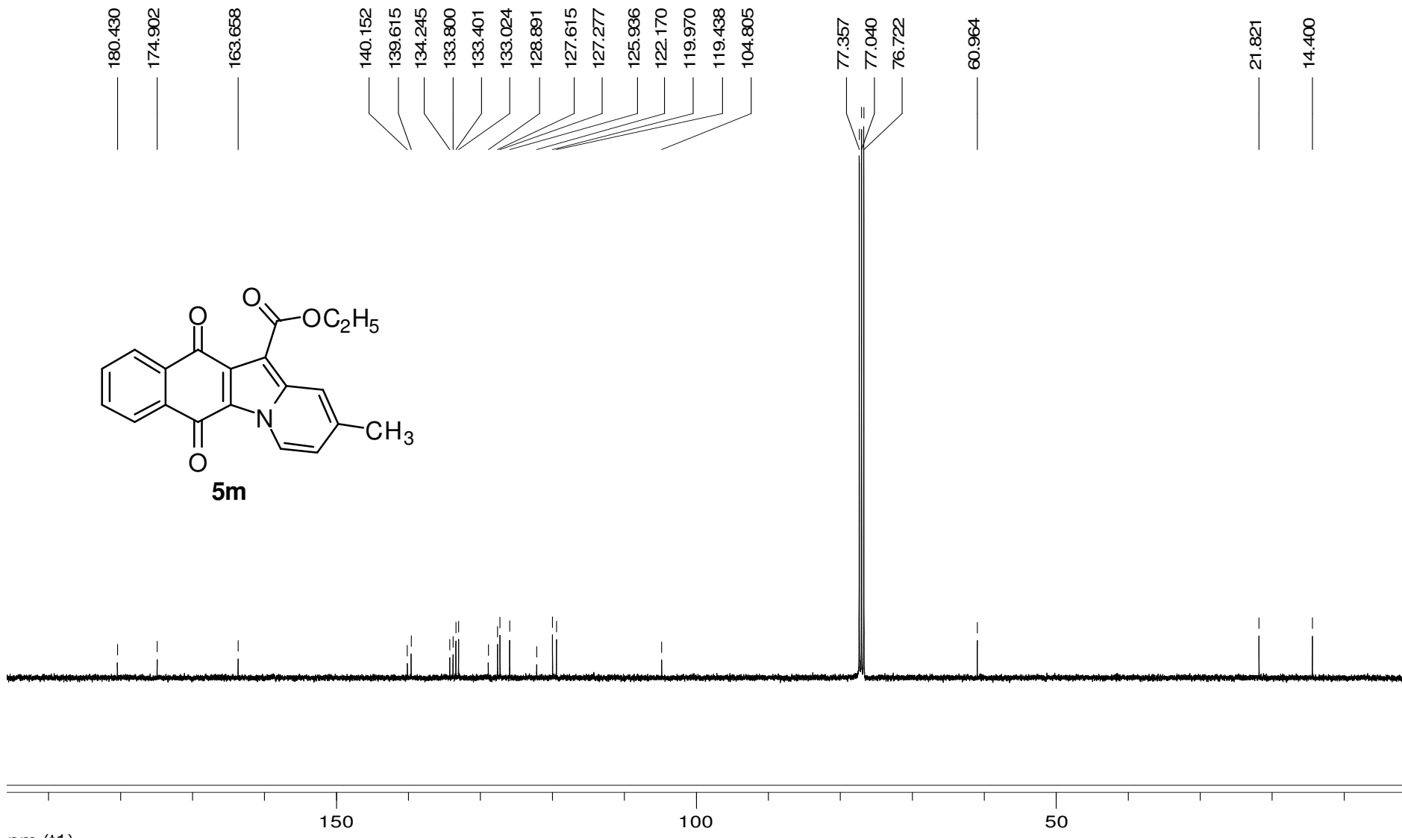


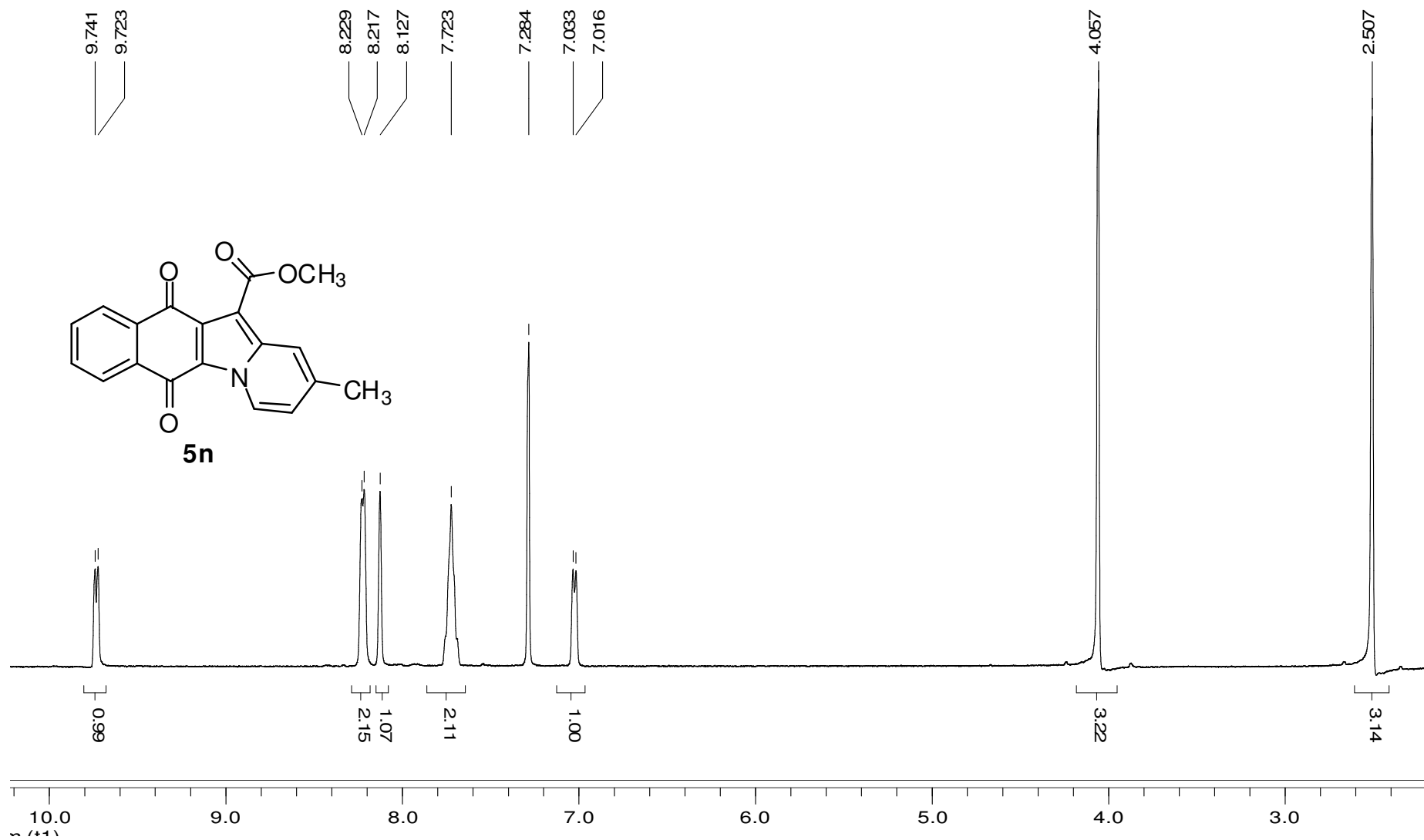


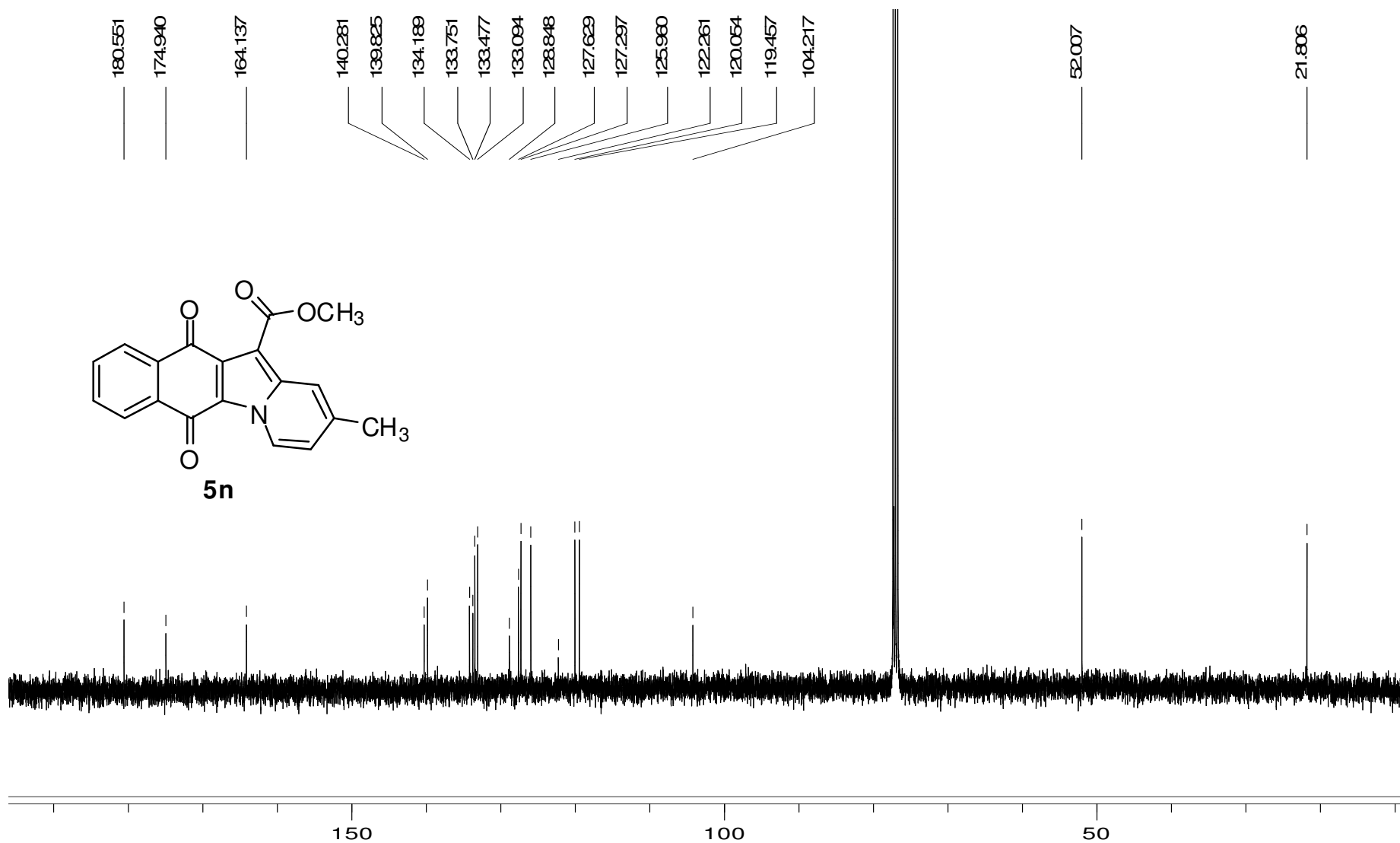
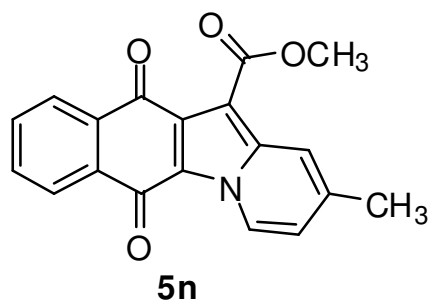


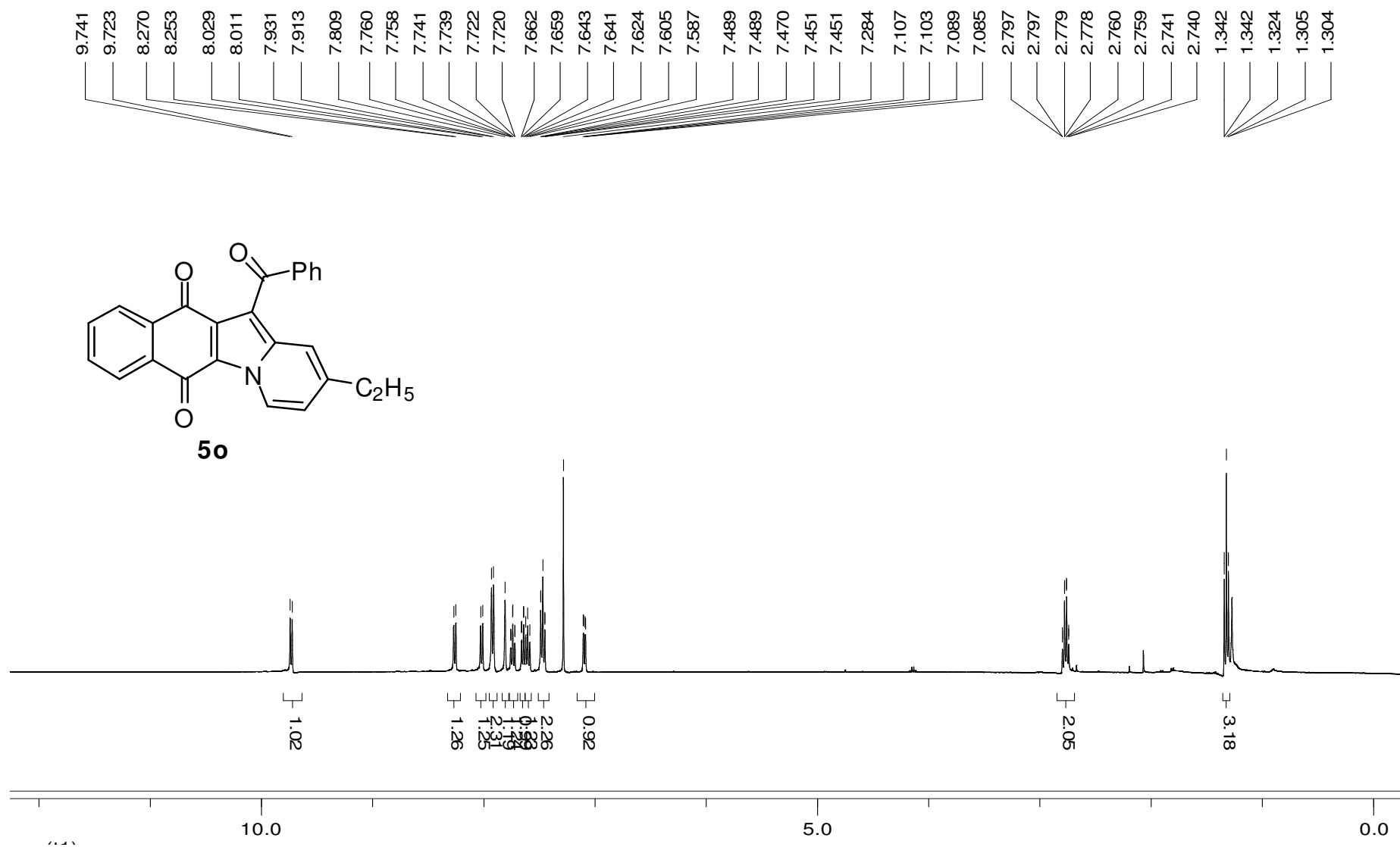


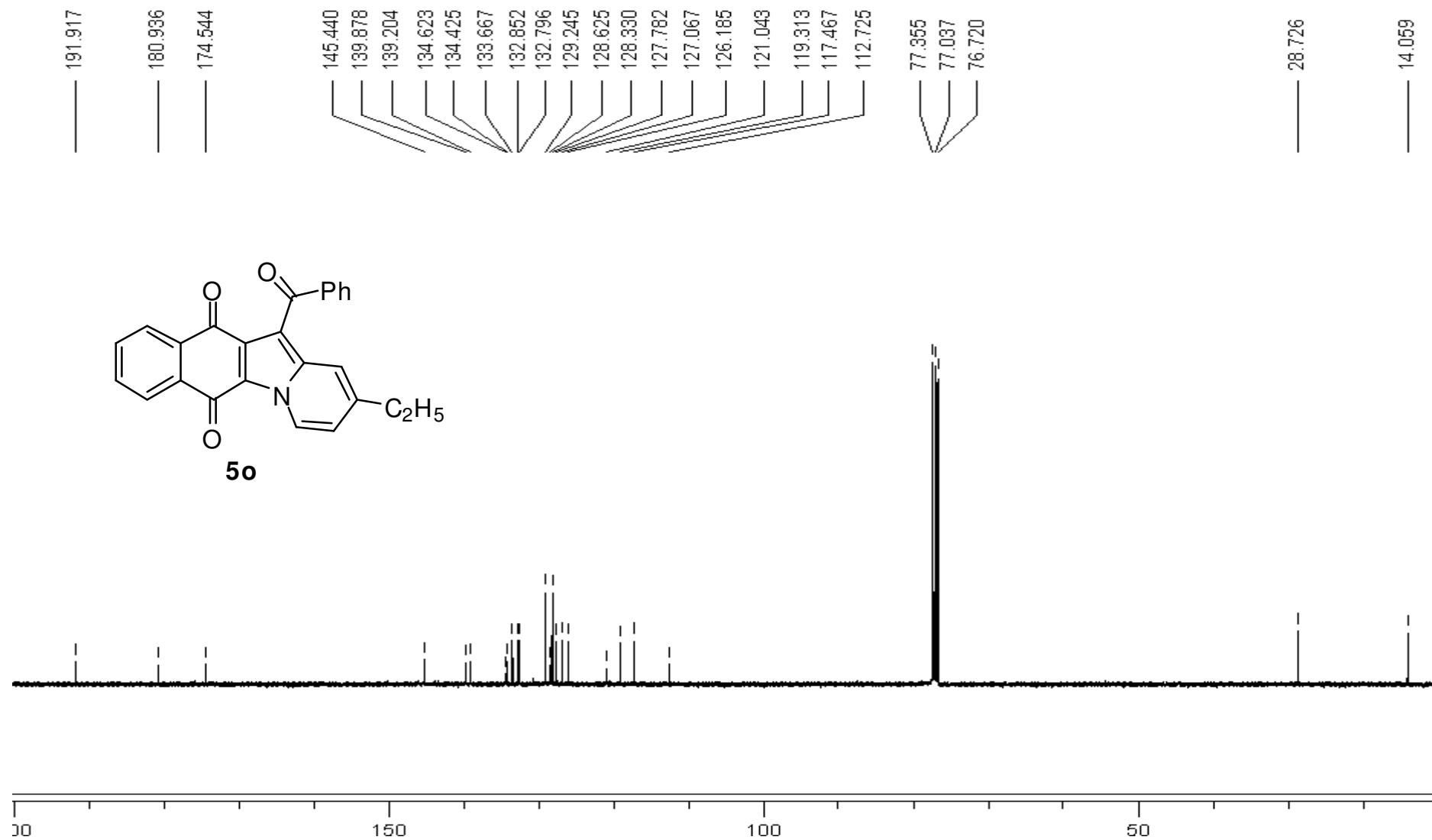
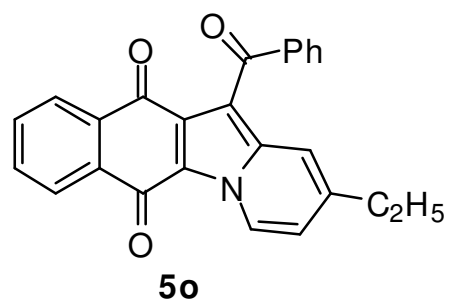


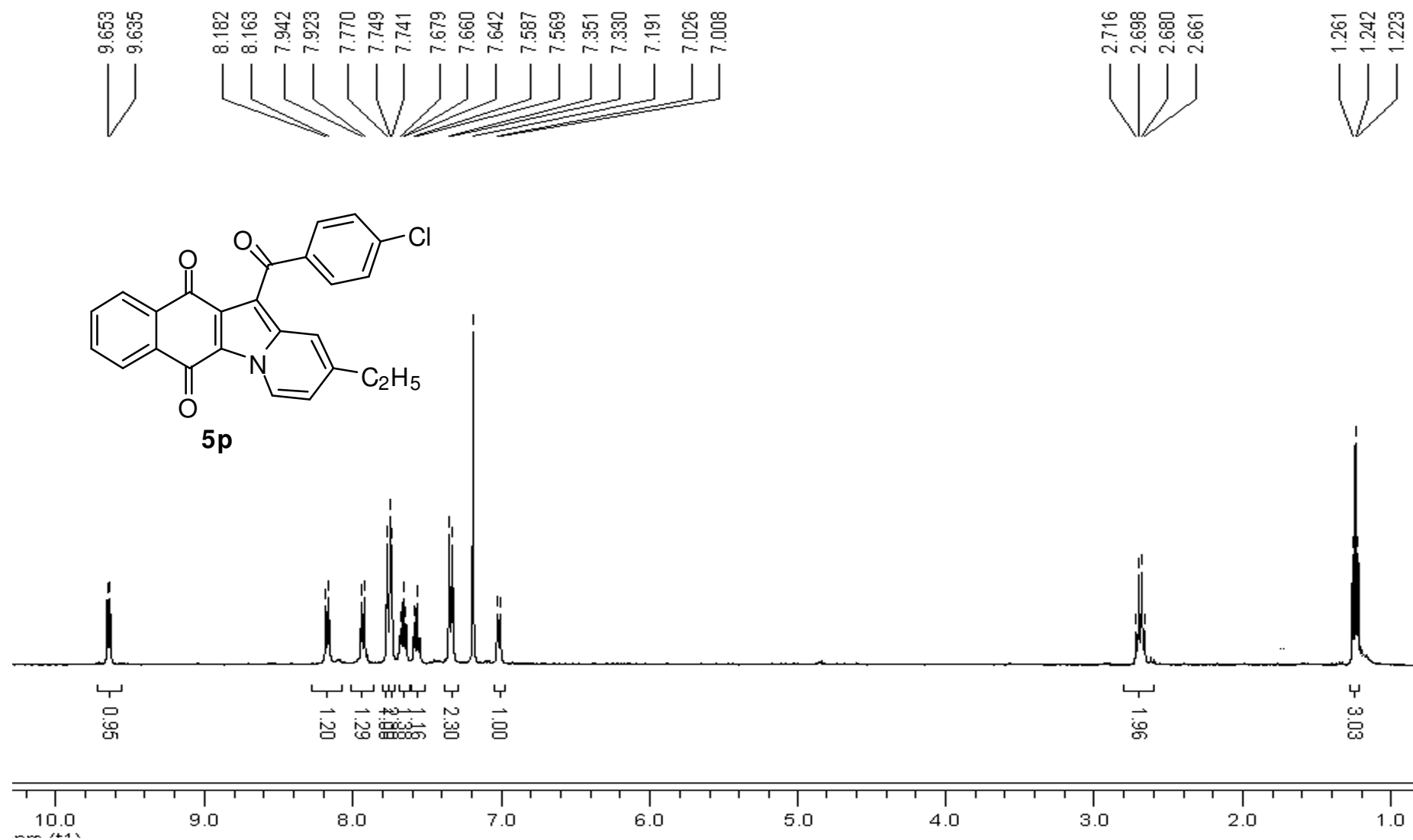


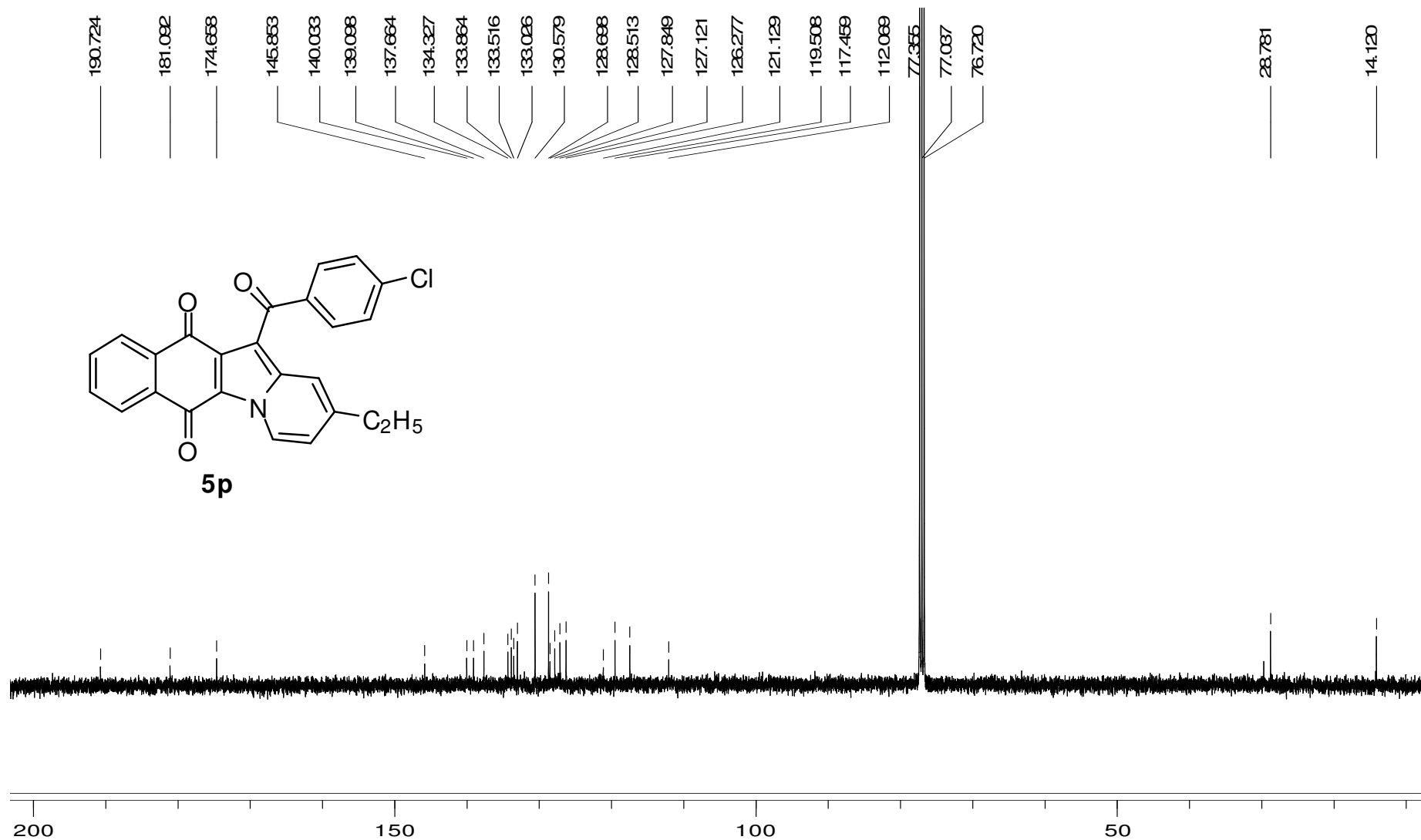
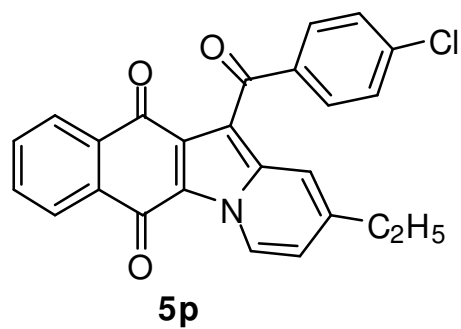


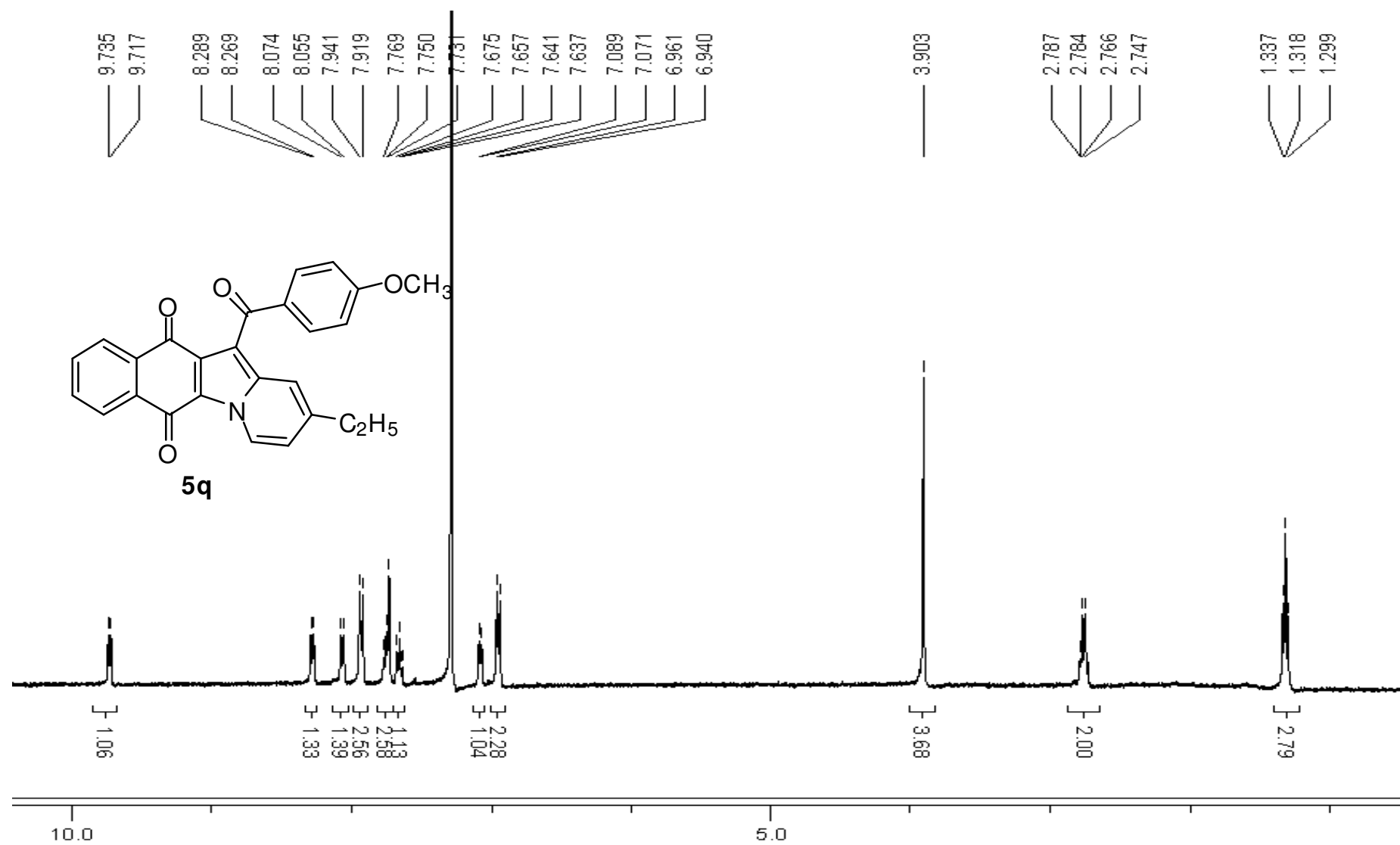


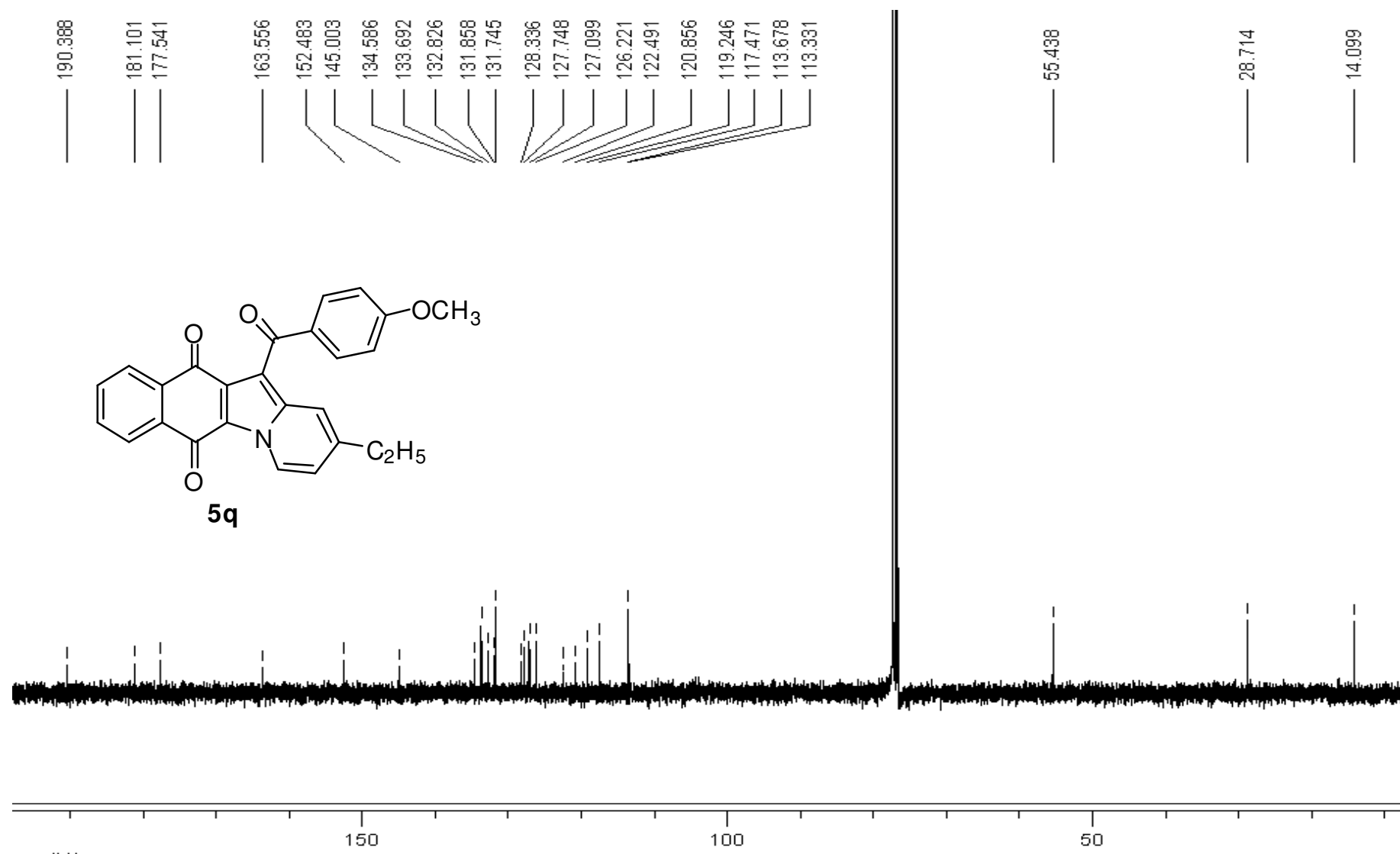
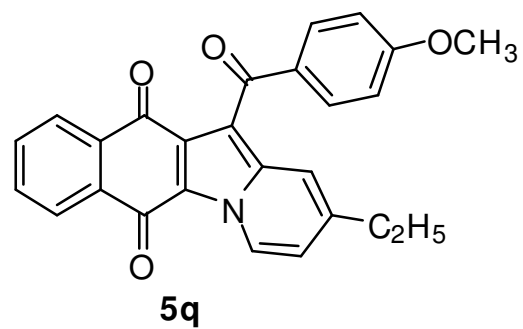


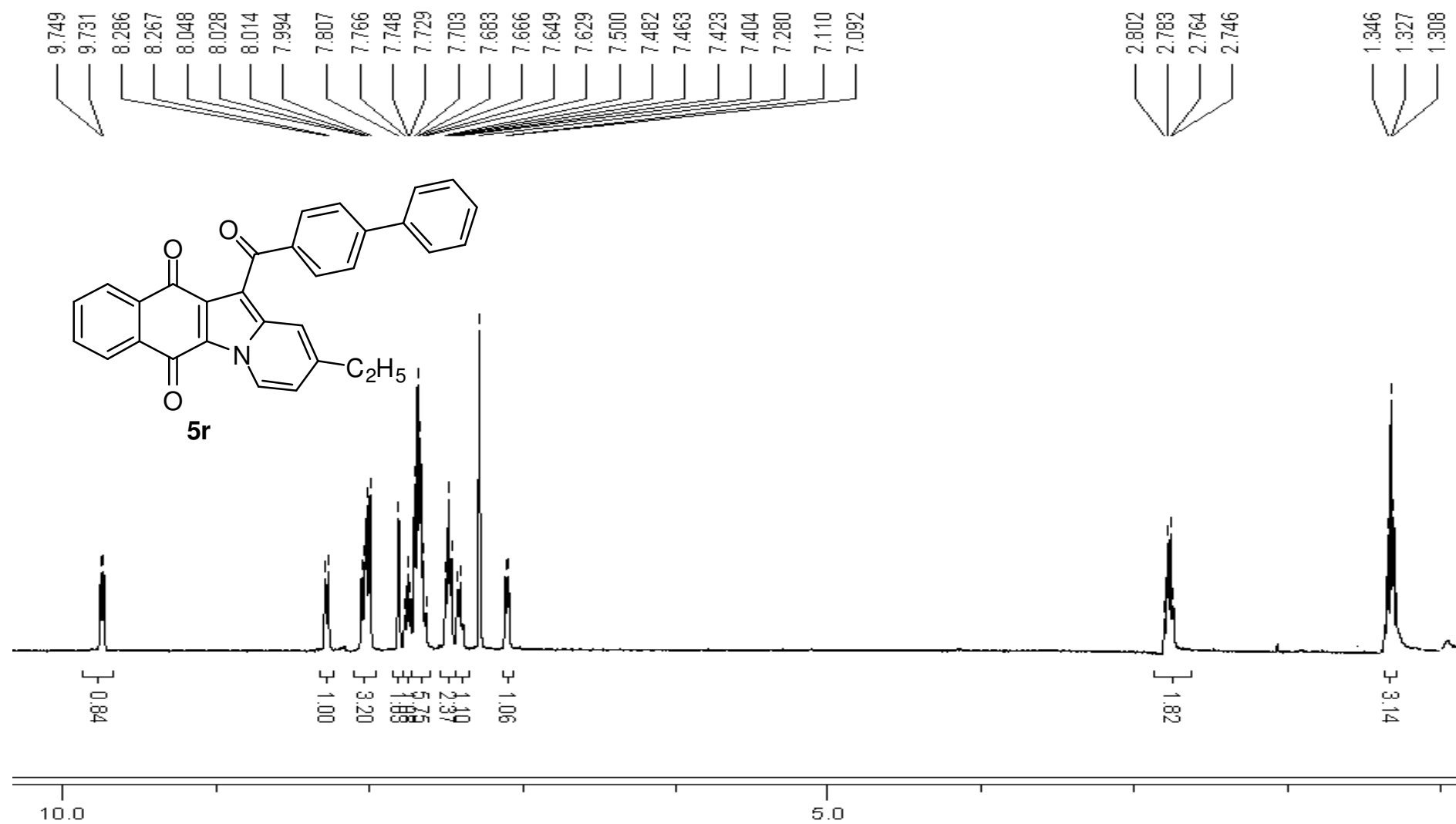


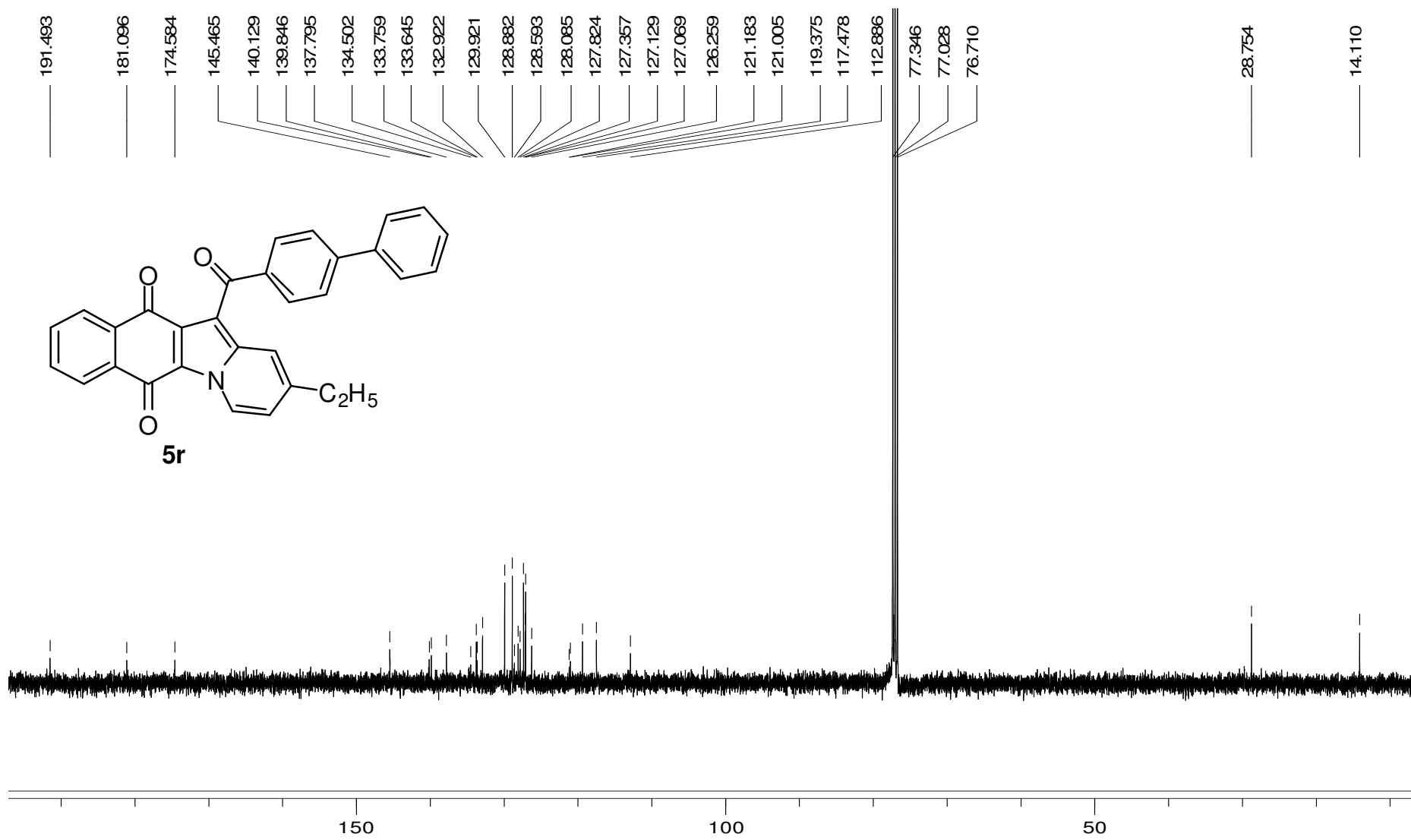


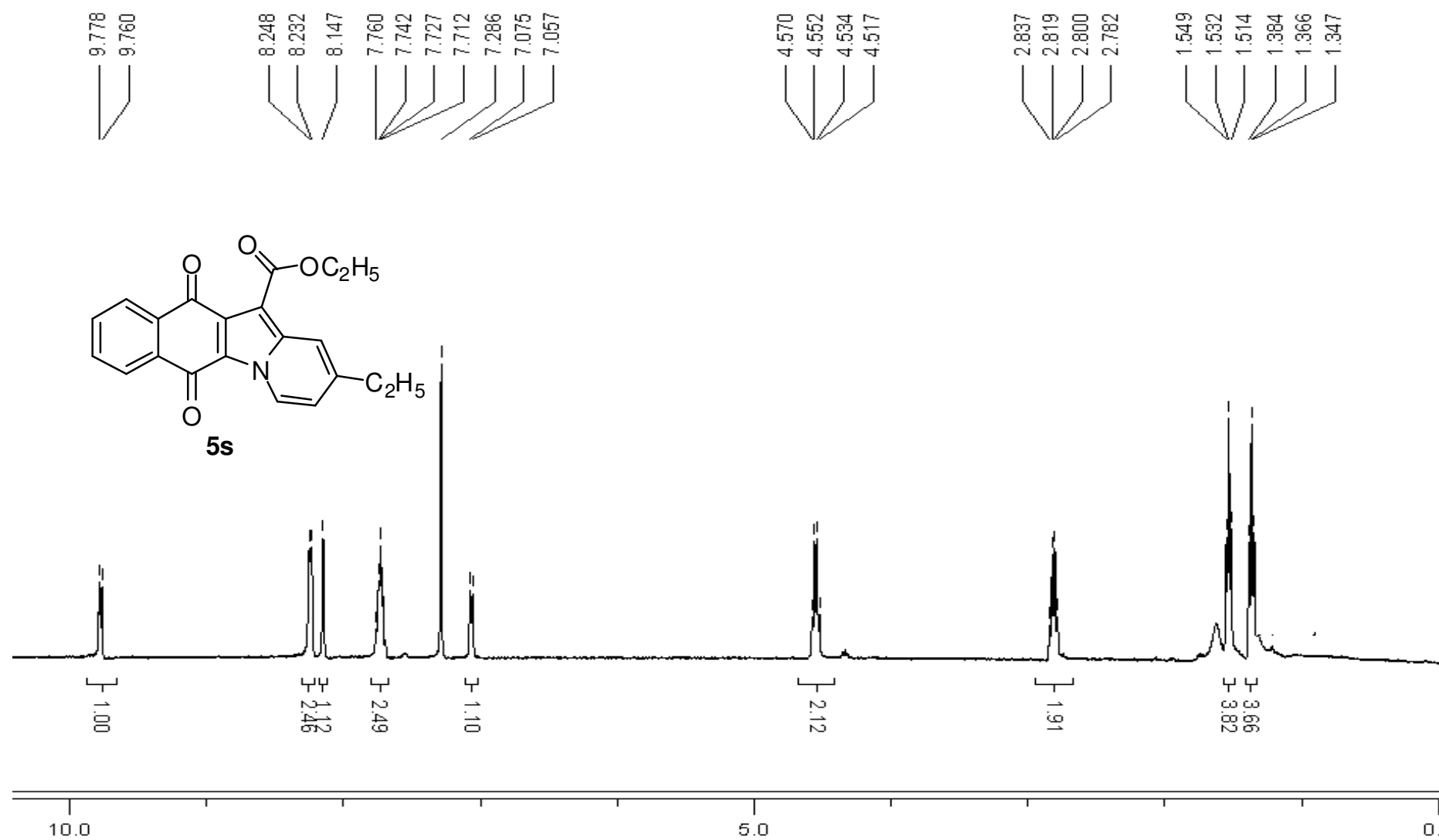


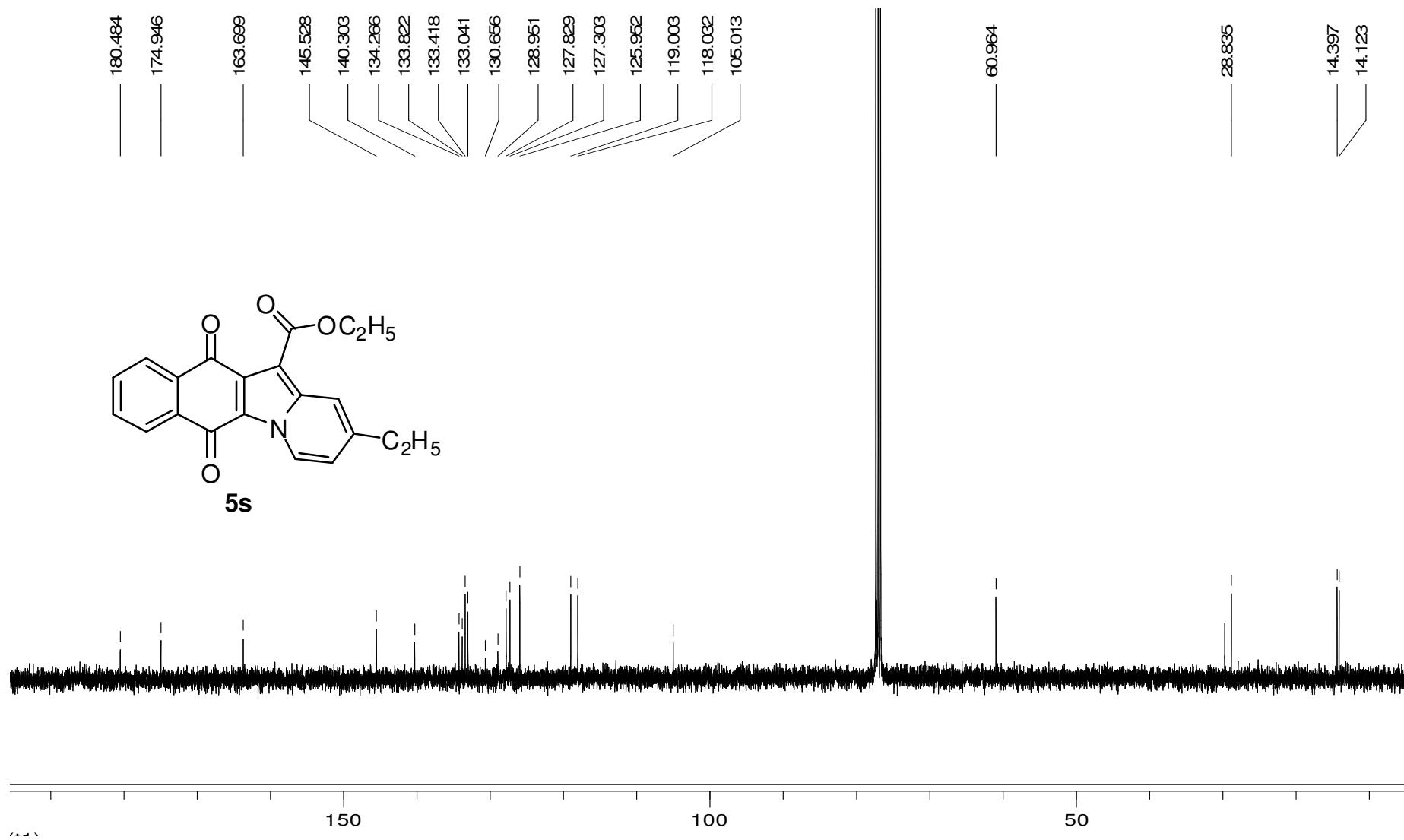
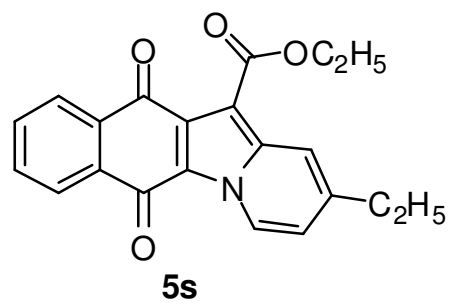


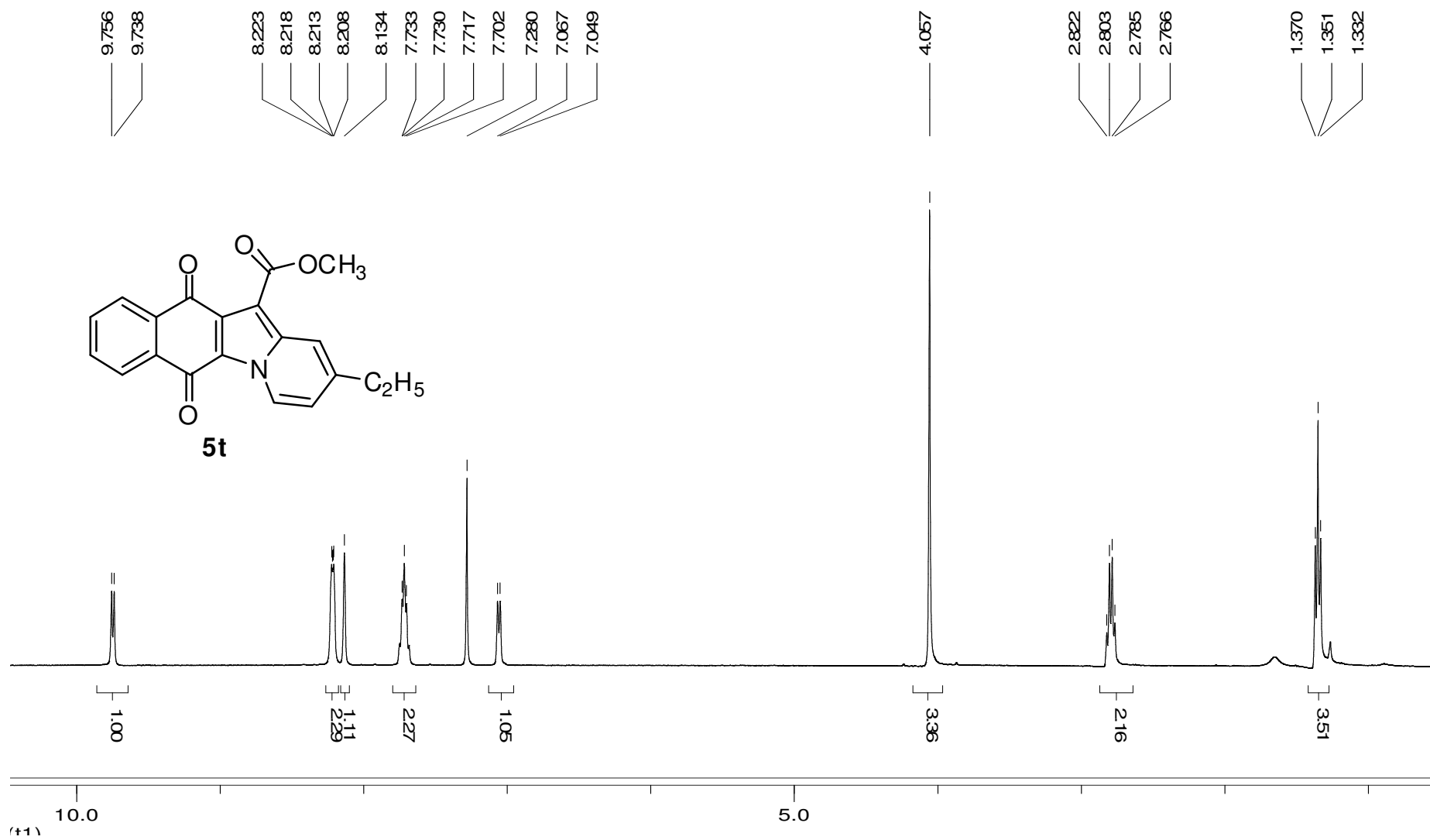


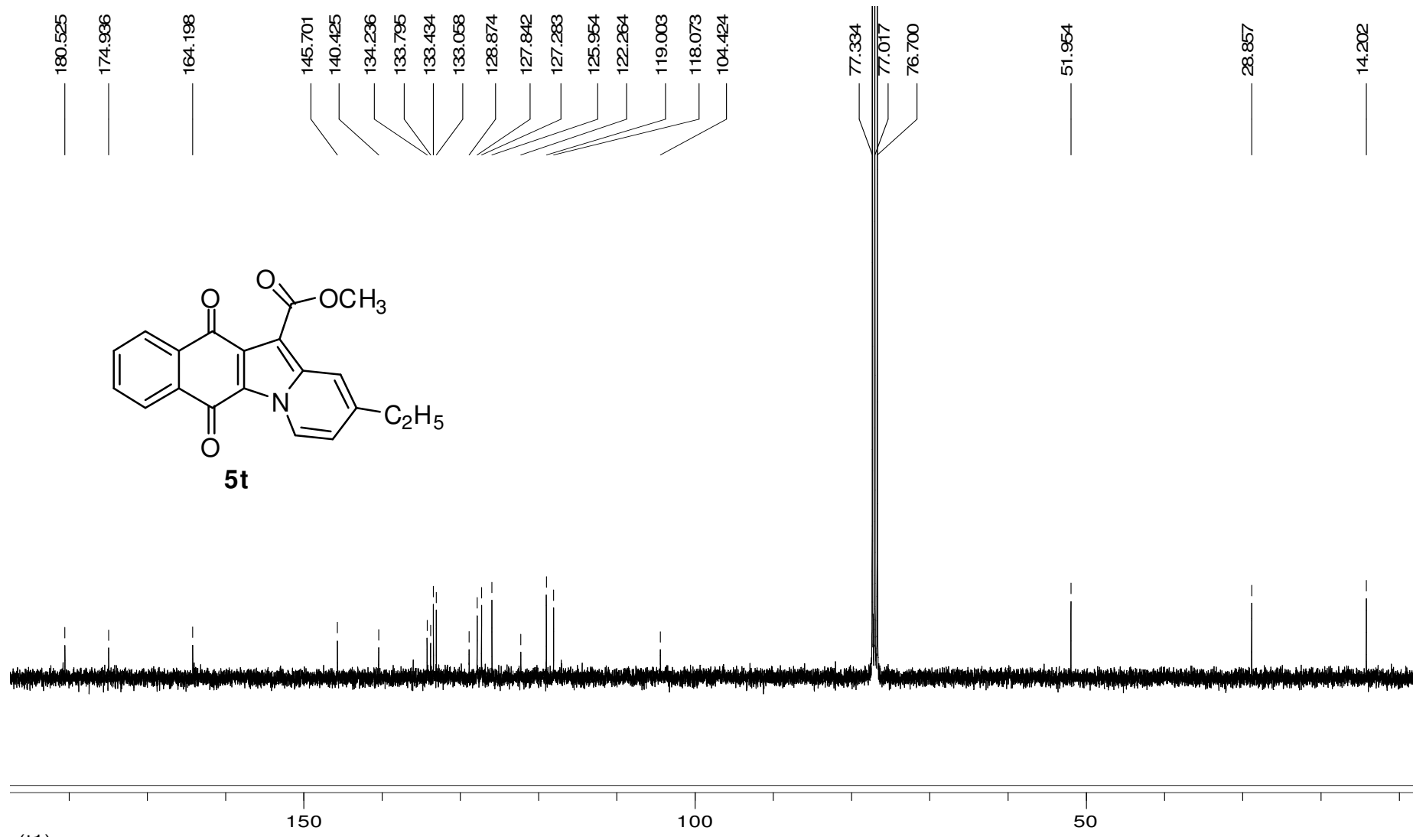


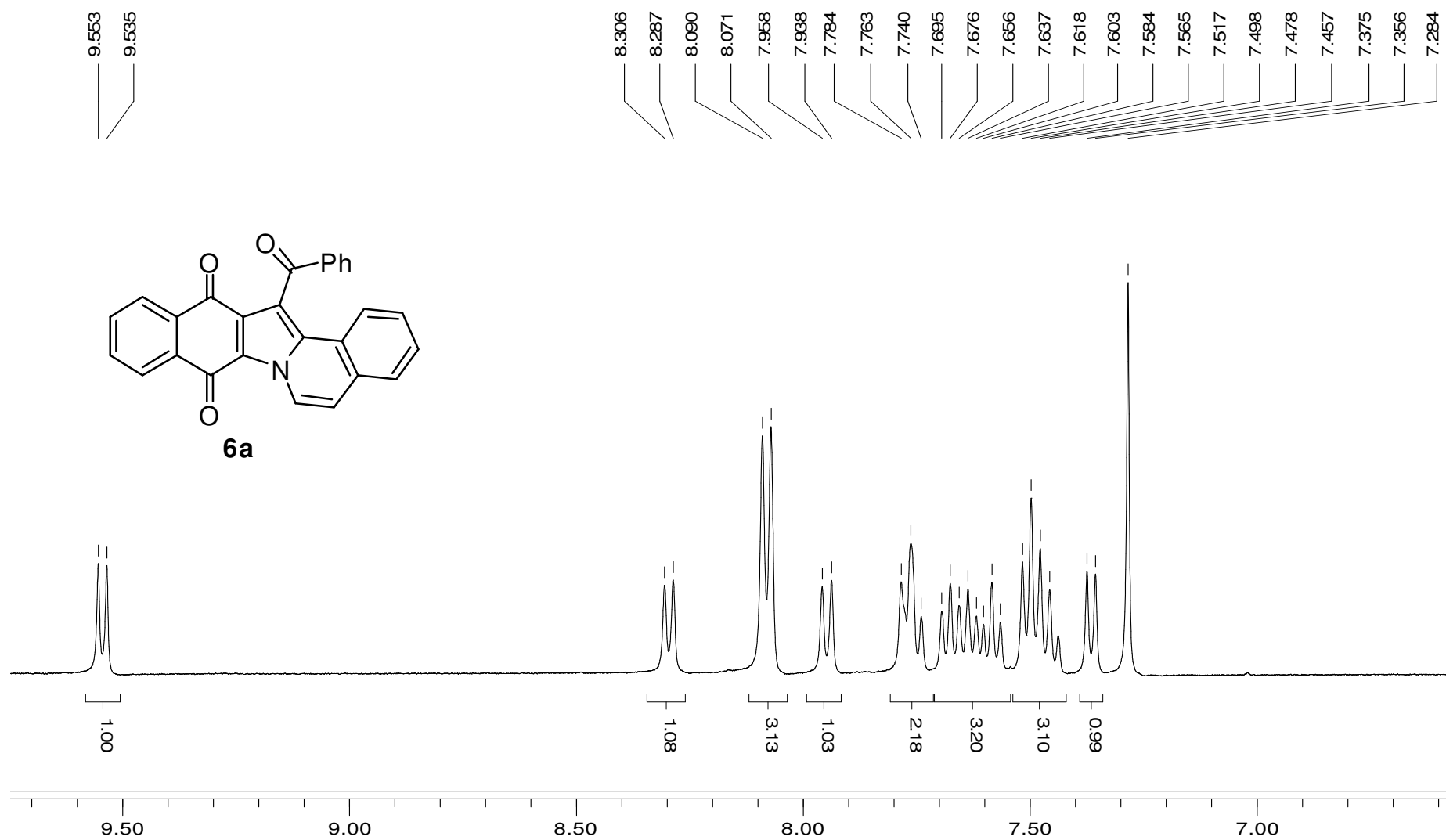


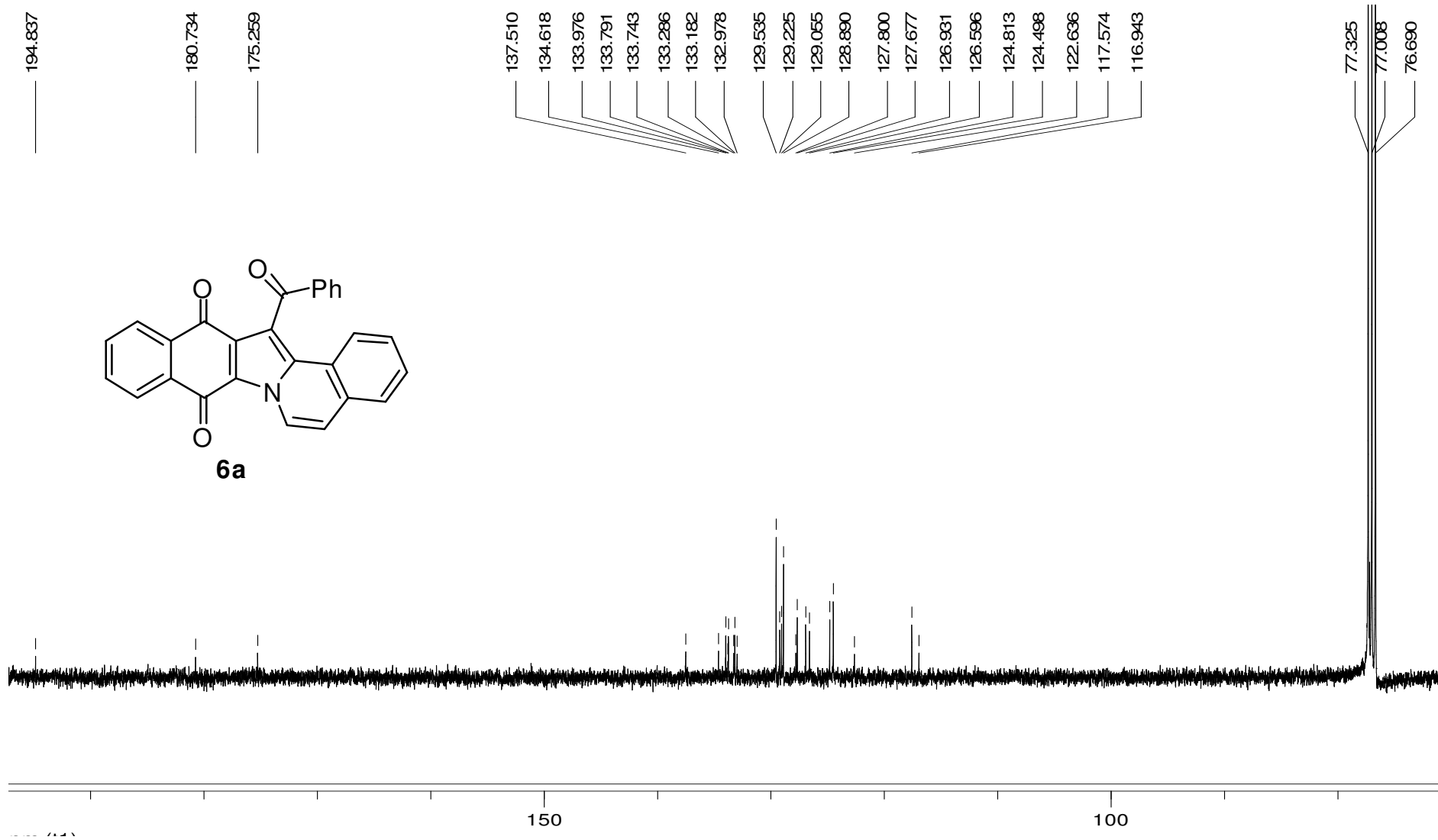


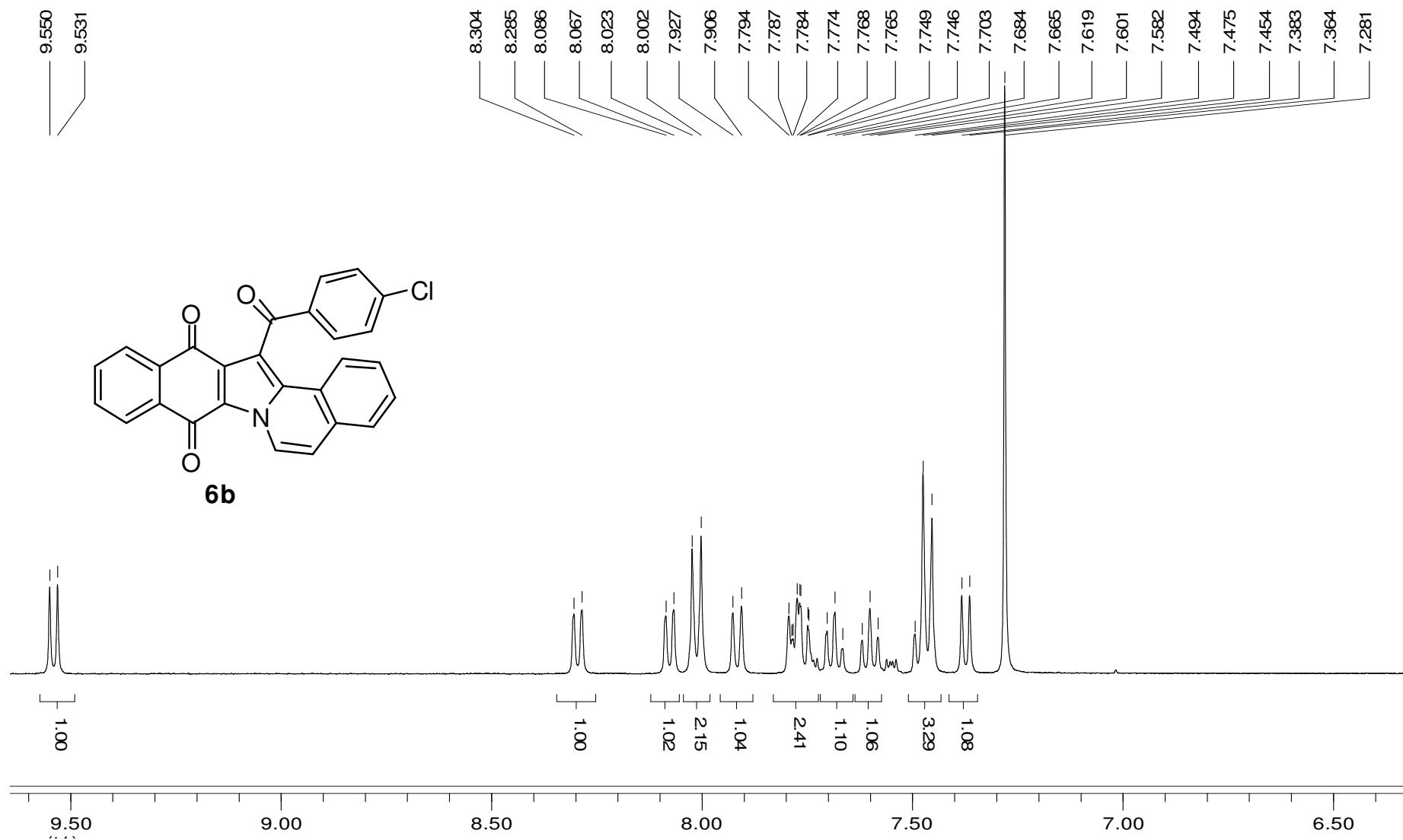


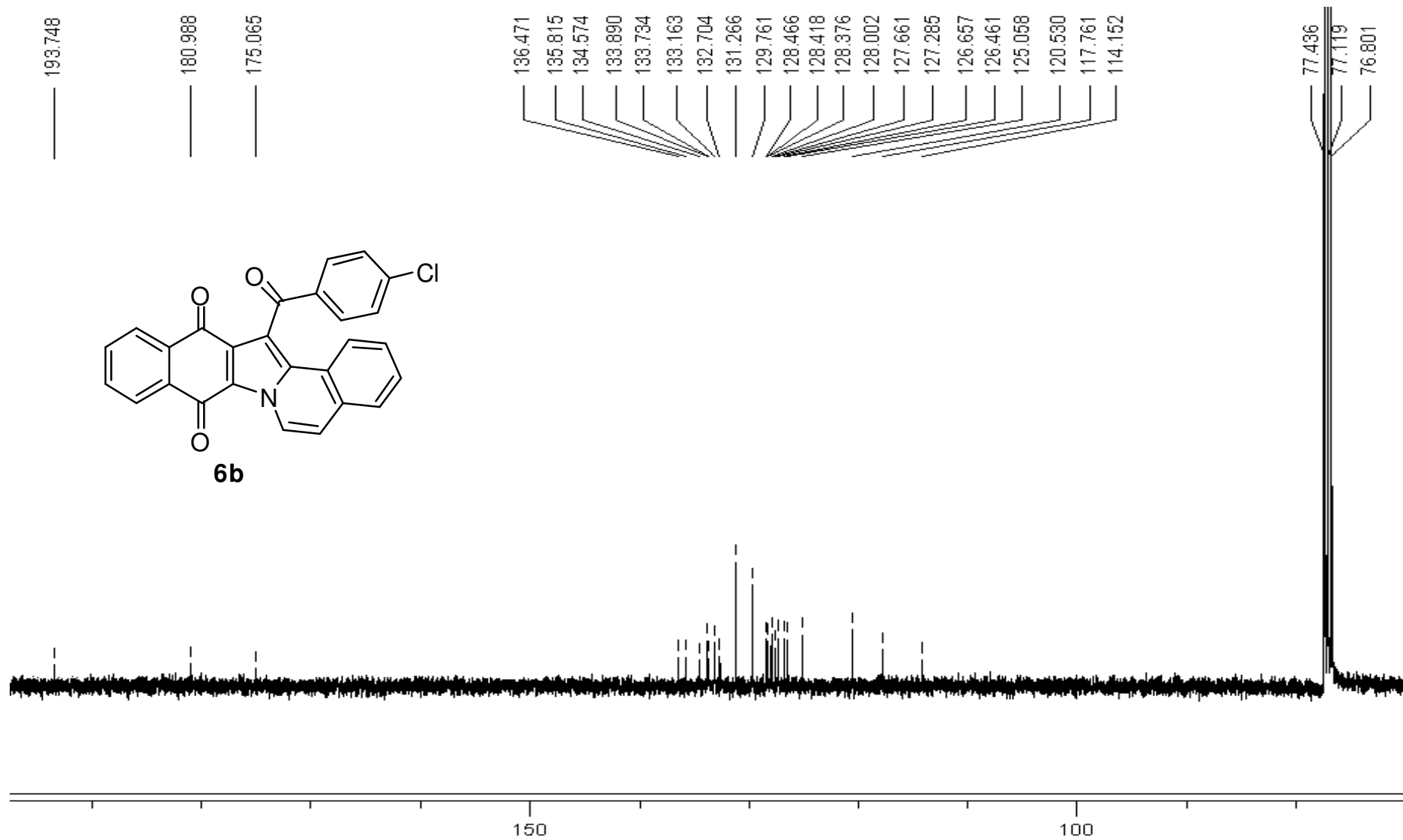
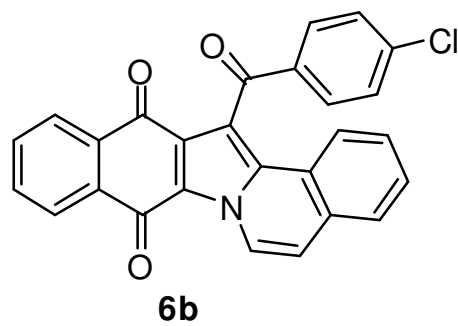


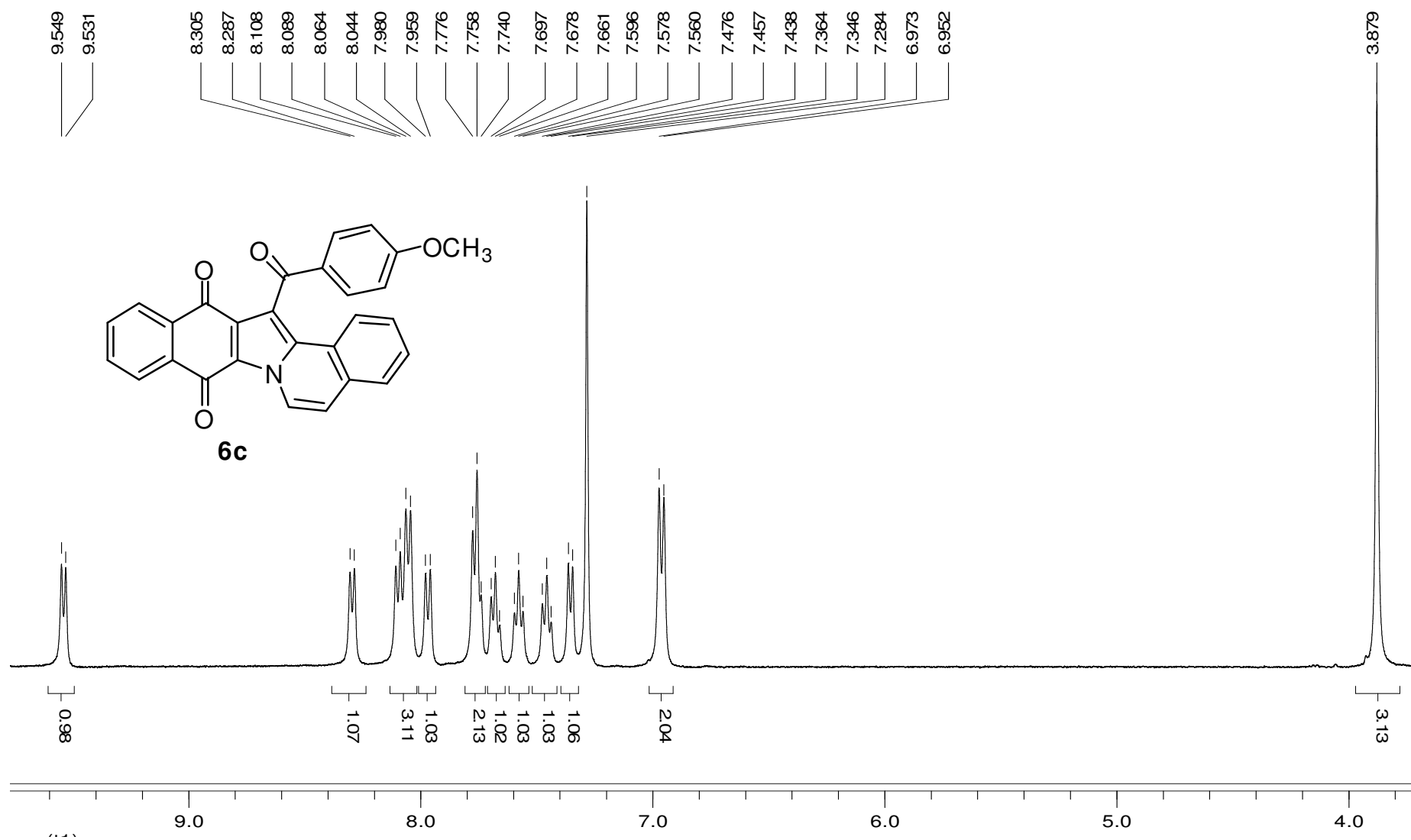


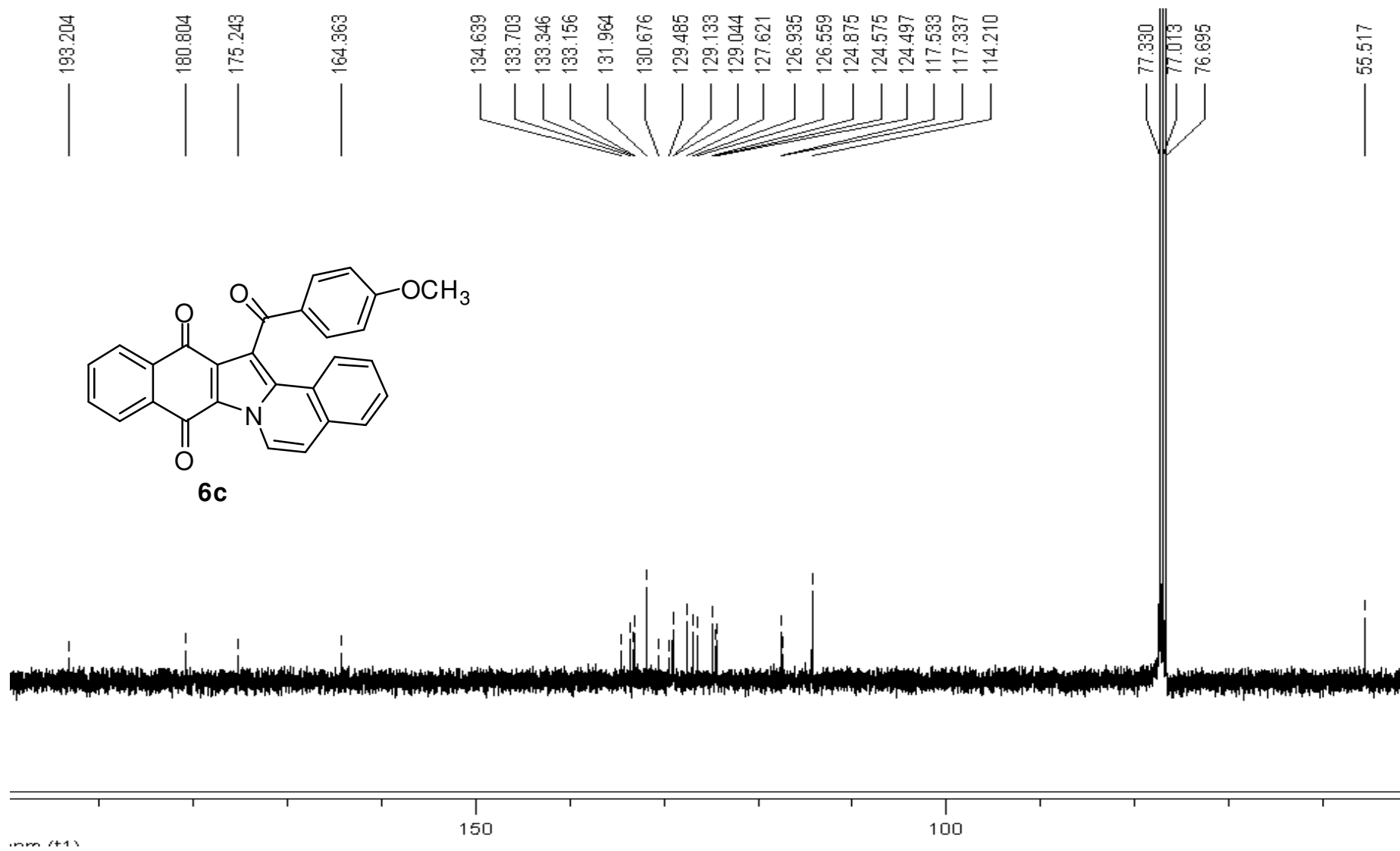


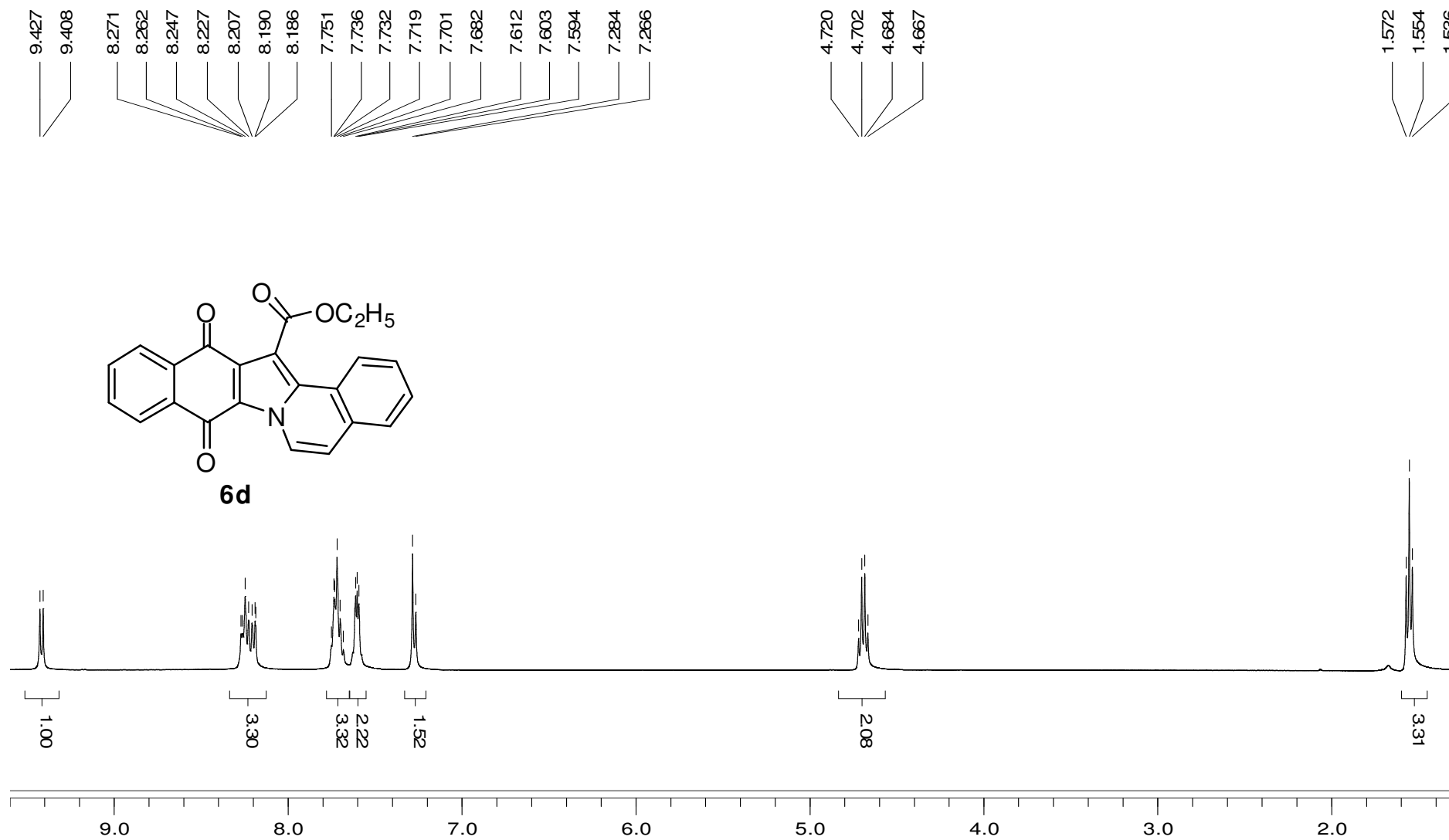


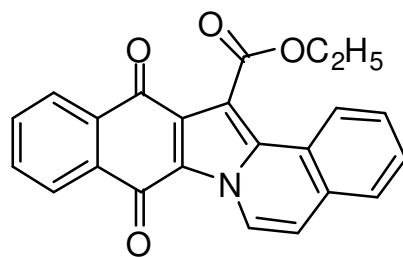




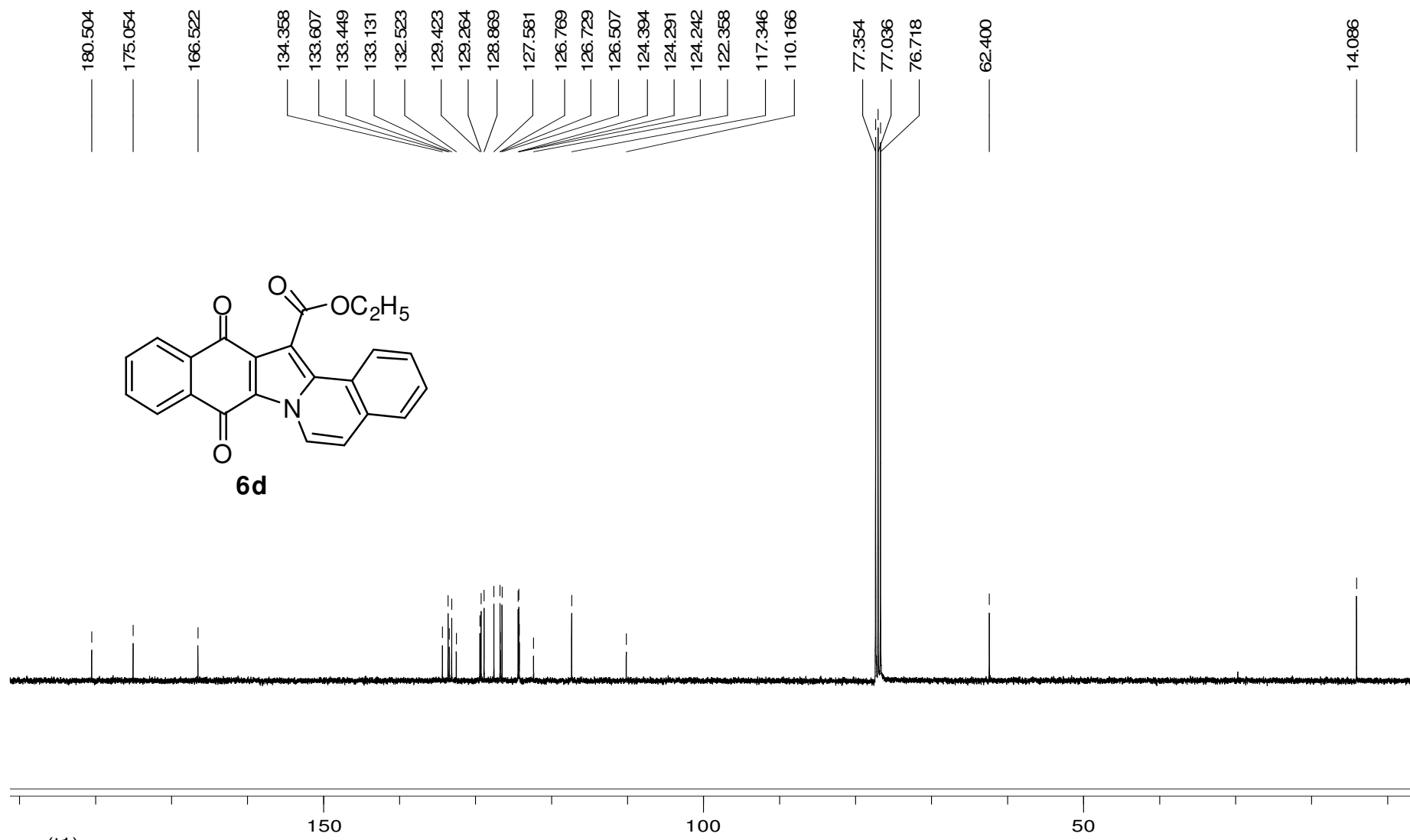


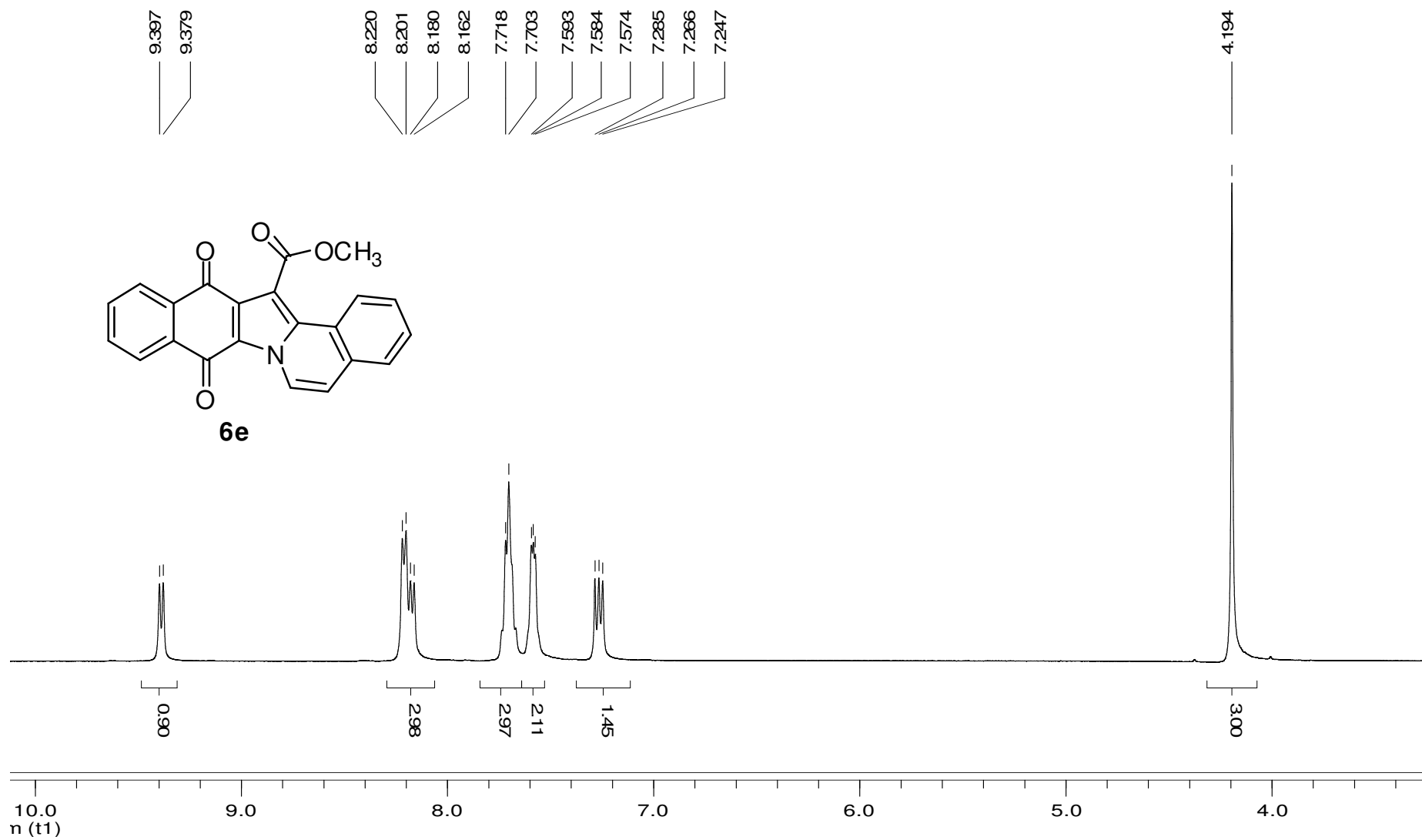


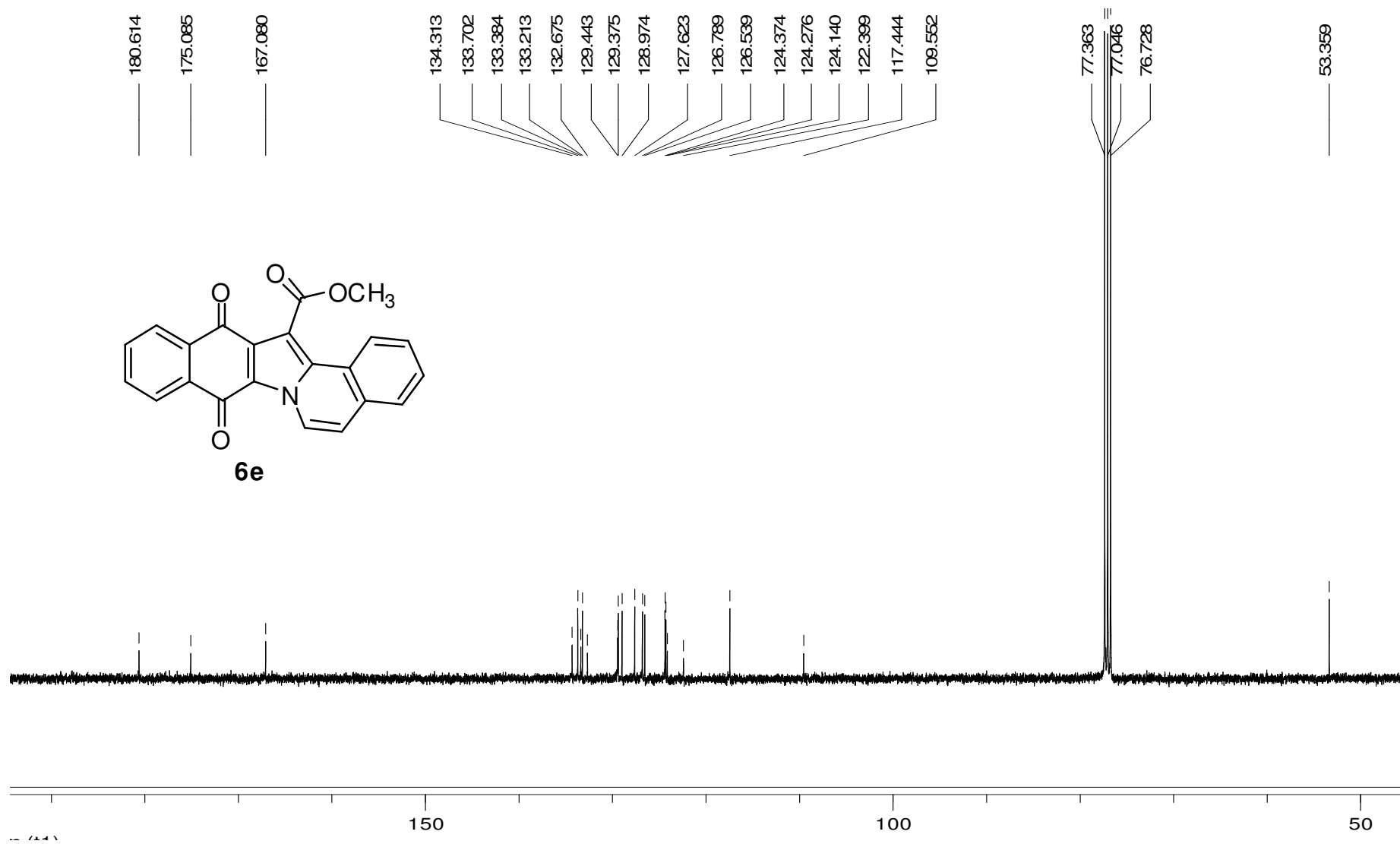
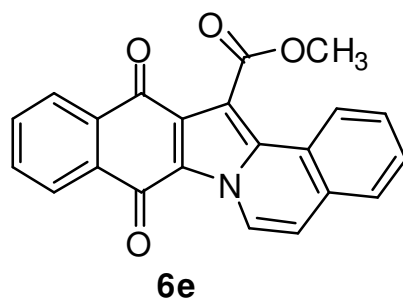




6d







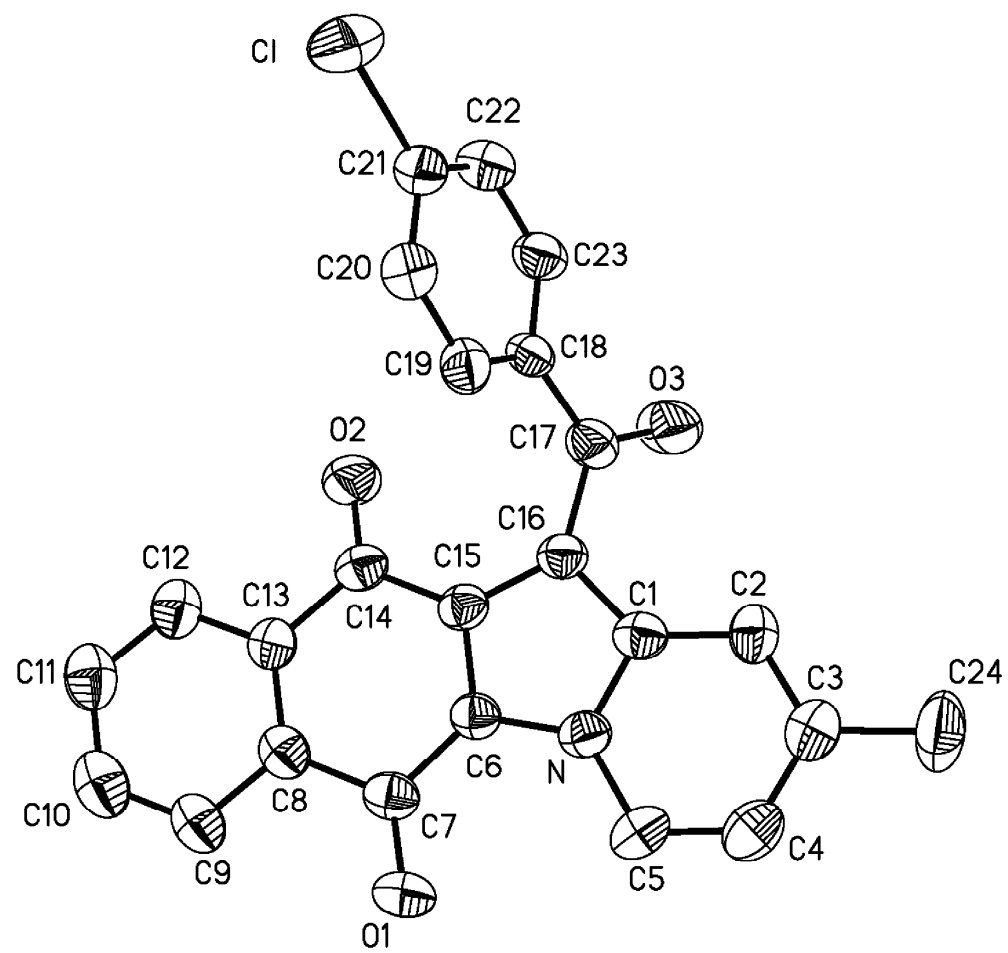


Figure 1 ORTEP drawing of **5i**