

Supporting Information

Org. Commun. 12:1 (2019) 38-42

Synthesis and characterization of new N-substituted 2-aminopyrrole derivatives

Kadir Aksu^{1*}, Bünyamin Özgeriş² and Ferhan Tümer^{3*}

¹Chemistry Department, Ordu University, Ordu, Türkiye

²Basic Sciences Department, Erzurum Technical University, Erzurum, Türkiye

³Chemistry Department, Kahramanmaraş Sütcü Imam University, 46100, Kahramanmaraş, Türkiye

Table of Contents	Page
Figure S1. 200 MHz ¹ H-NMR and 50 MHz ¹³ C-NMR spectrums of 3a	2
Figure S2. 200 MHz ¹ H-NMR spectrum of compound 3b	3
Figure S3. 200 MHz ¹ H-NMR spectrum of compound 3c	3
Figure S4. 200 MHz ¹ H-NMR and 50 MHz ¹³ C-NMR spectrum of compound 3d	4
Figure S5. 400 MHz ¹ H and 100 MHz ¹³ C-NMR spectrum of compound 4a	5
Figure S6. 400 MHz ¹ H and 100 MHz ¹³ C-NMR spectrum of compound 4b	6
Figure S7. 400 MHz ¹ H and 100 MHz ¹³ C-NMR spectrum of compound 4c	7
Figure S8. 400 MHz ¹ H and 100 MHz ¹³ C-NMR spectrum of compound 4d	8

*Corresponding author: E-mail: ftumer@ksu.edu.tr

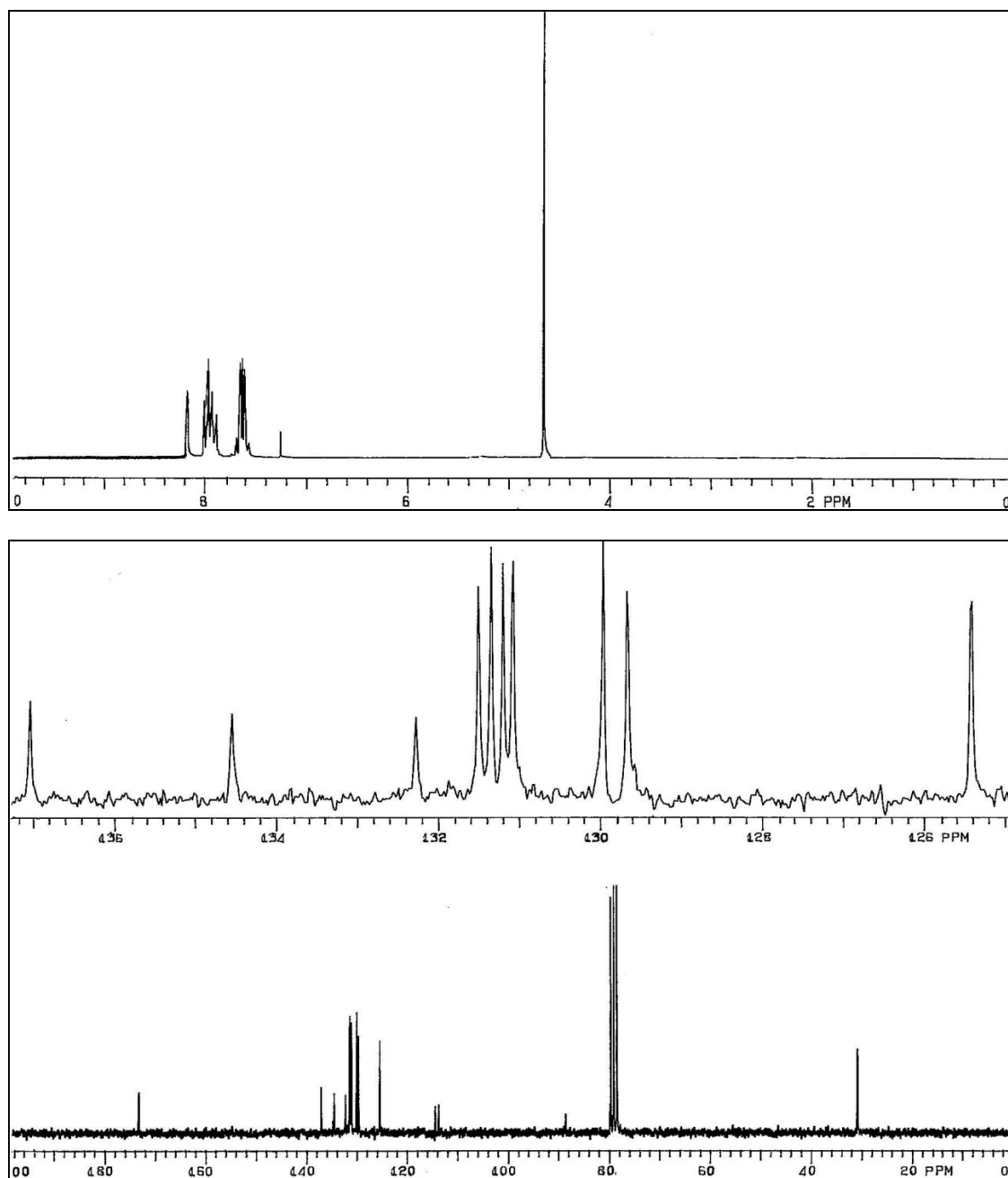


Figure S1. 200 MHz ^1H -NMR and 50 MHz ^{13}C -NMR spectrums of 2-(2-Bromo-1-naphthalen-1-yl-ethylidene)-malononitrile (**3a**)

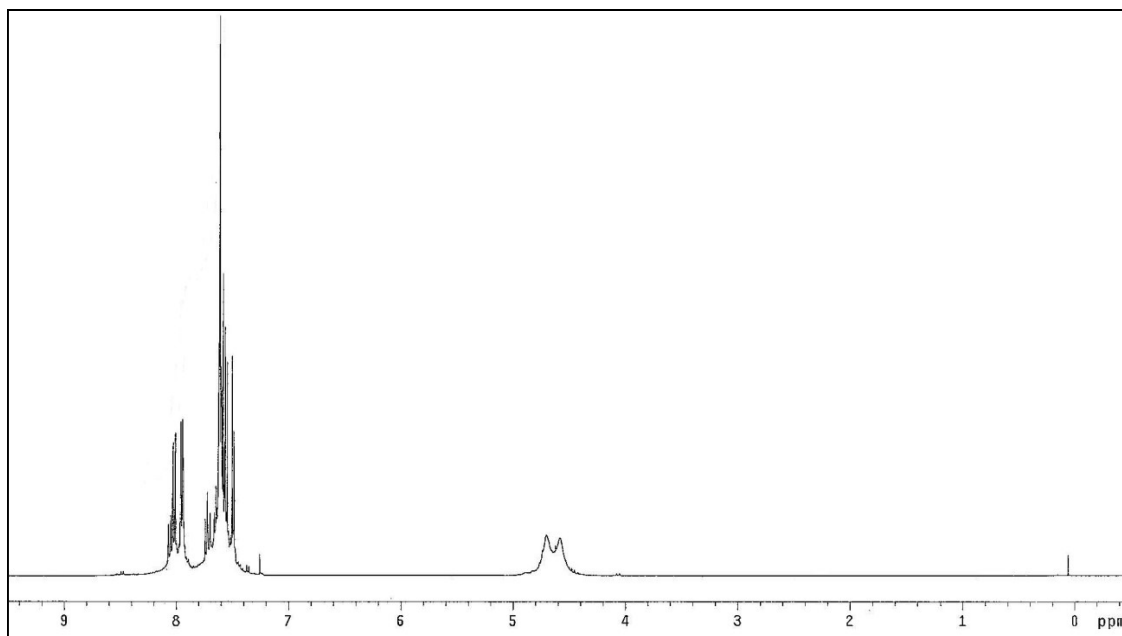


Figure S2. 200 MHz ^1H -NMR spectrum of 2-(2-Bromo-1-naphthalen-2-yl-ethylidene)-malononitrile (3b)

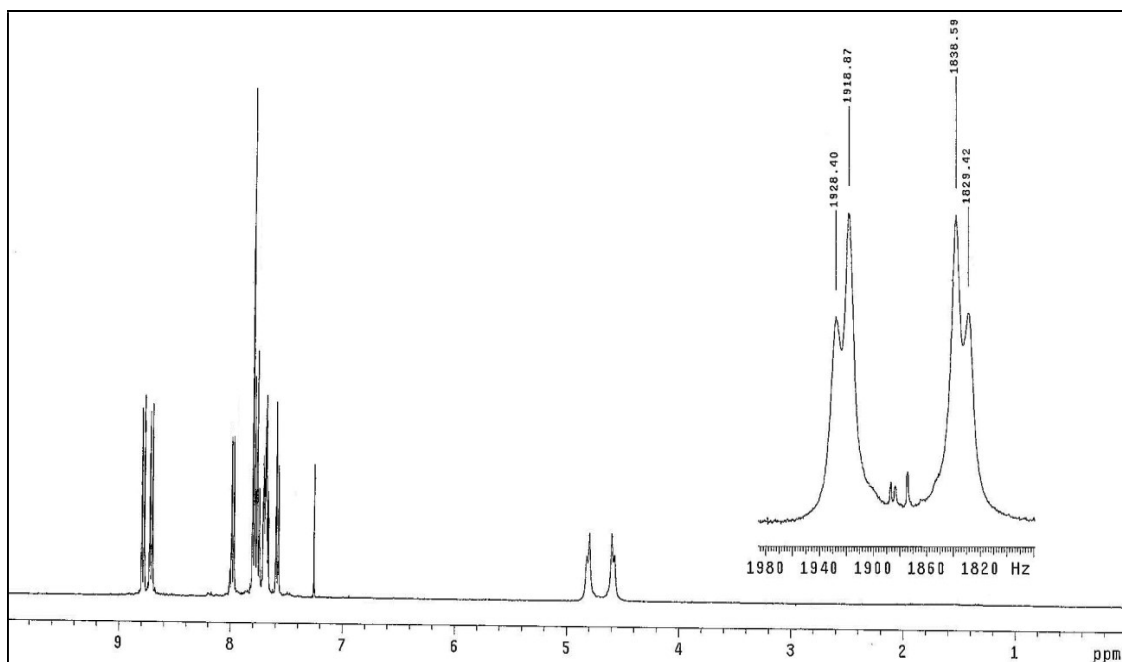


Figure S3. 200 MHz ^1H -NMR spectrum of 2-(2-Bromo-1-phenanthrene-9-yl-ethylidene)-malononitrile (3c)

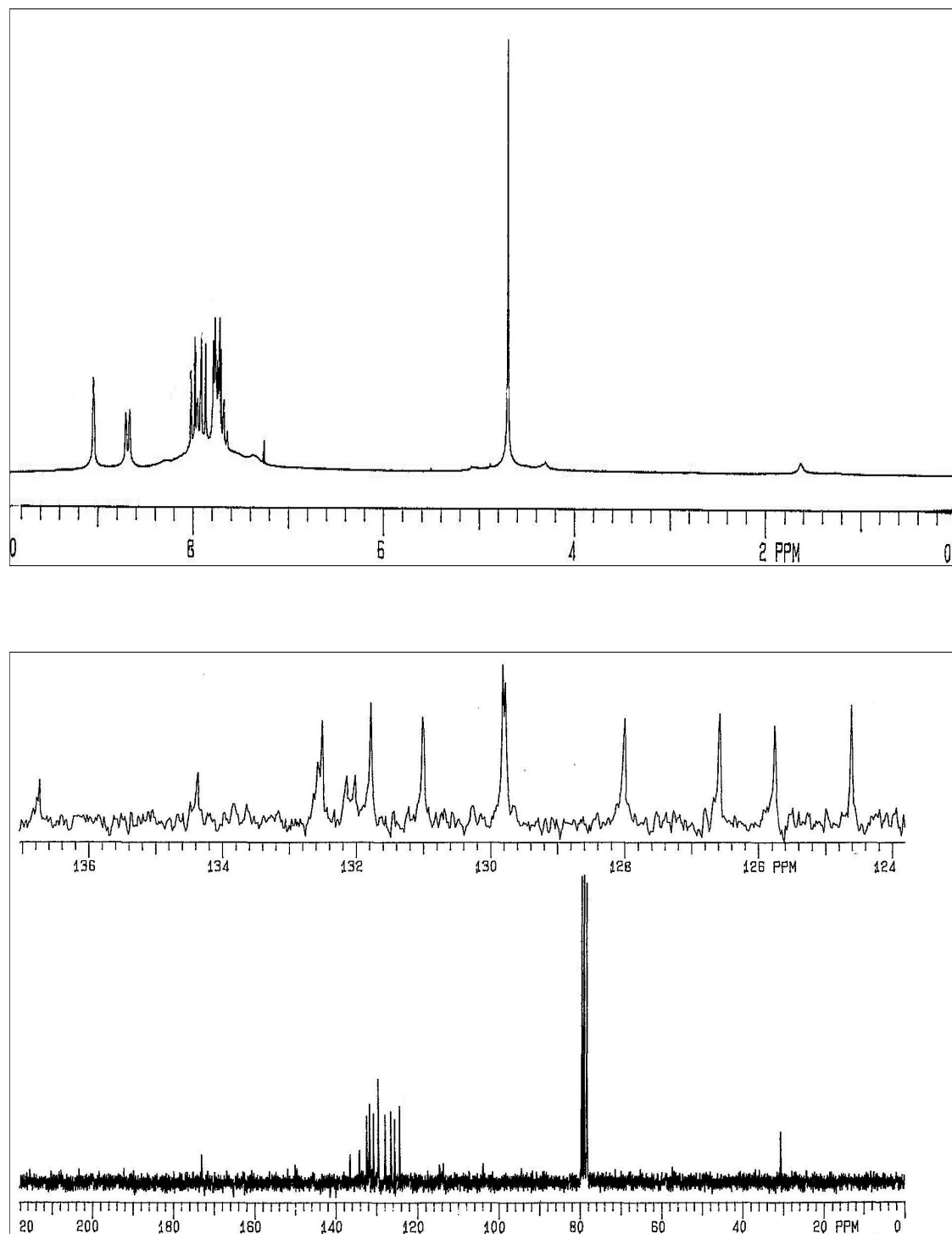


Figure S4. 200 MHz ^1H -NMR and 50 MHz ^{13}C -NMR spectrums of 2-(2-Bromo-1-phenanthrene-3-yl-ethylidene)-malononitrile (3d)

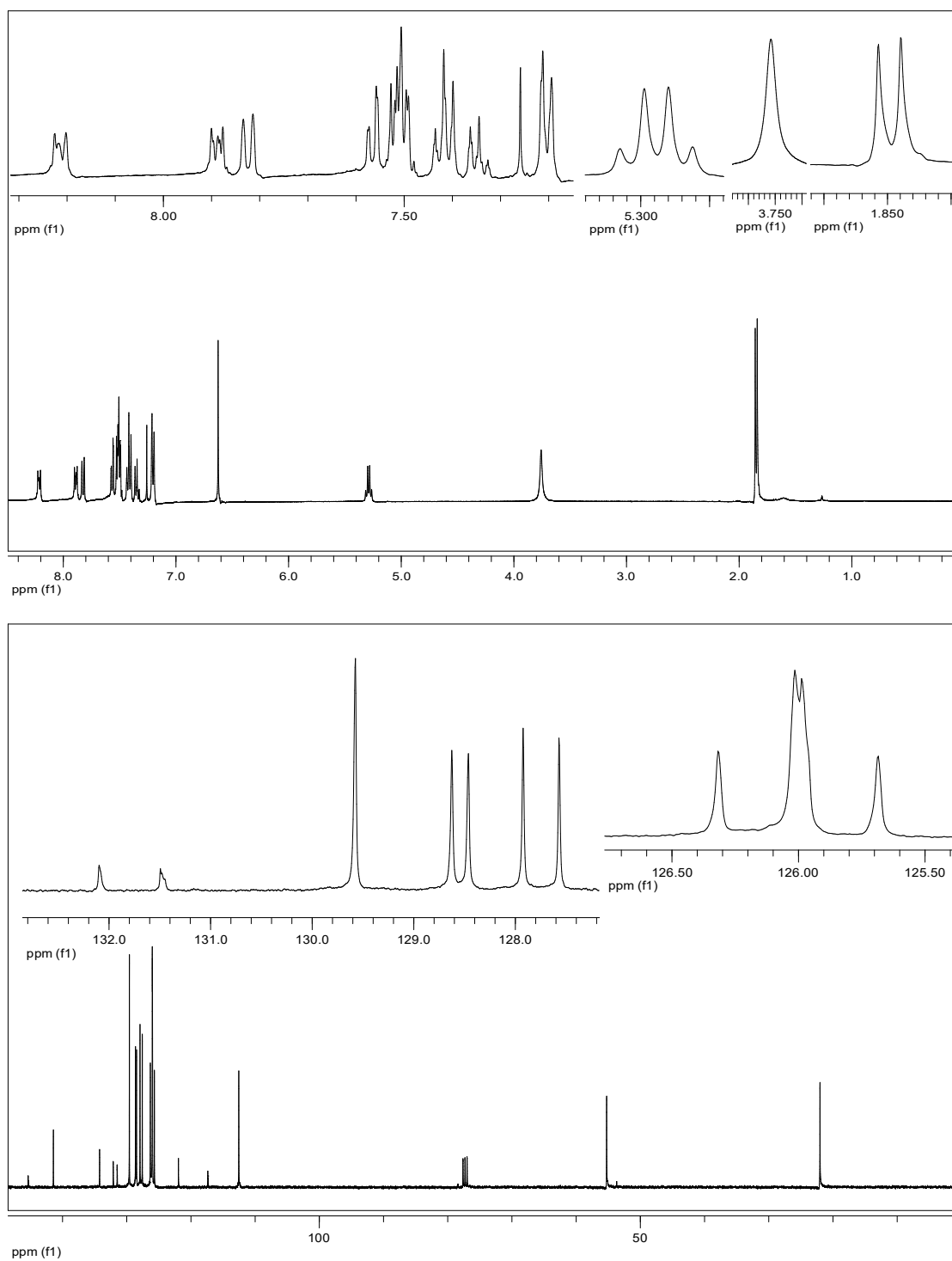


Figure S5. 400 MHz ^1H -NMR and 100 MHz ^{13}C -NMR spectra of 2-amino-4-(naphthalen-1-yl)-1-(1-phenylethyl)-1H-pyrrole-3-carbonitrile (4a)

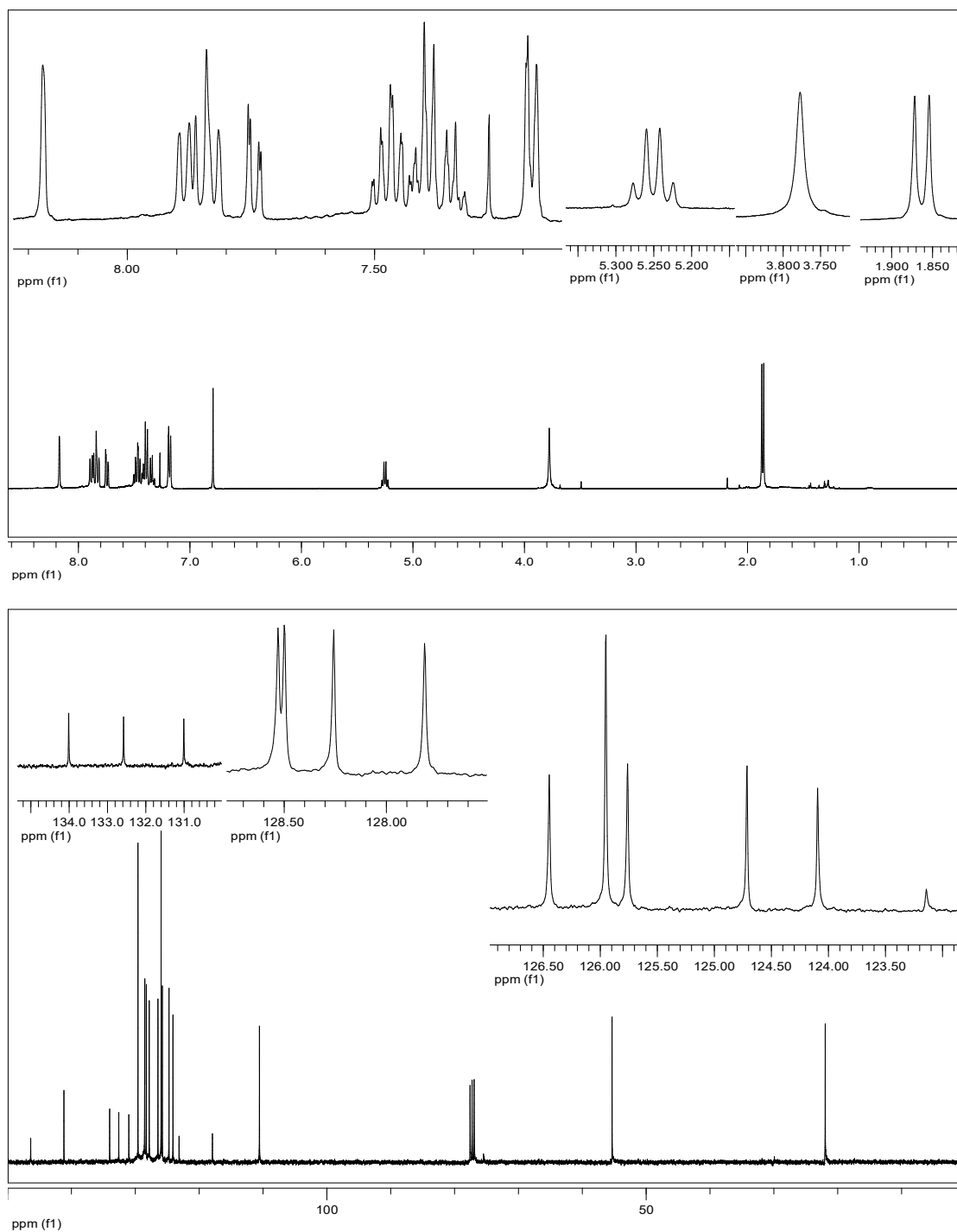


Figure S6. 400 MHz ^1H -NMR and 100 MHz ^{13}C -NMR spectrums of 2-amino-4-(naphthalen-2-yl)-1-(1-phenylethyl)-1H-pyrrole-3-carbonitrile (4b)

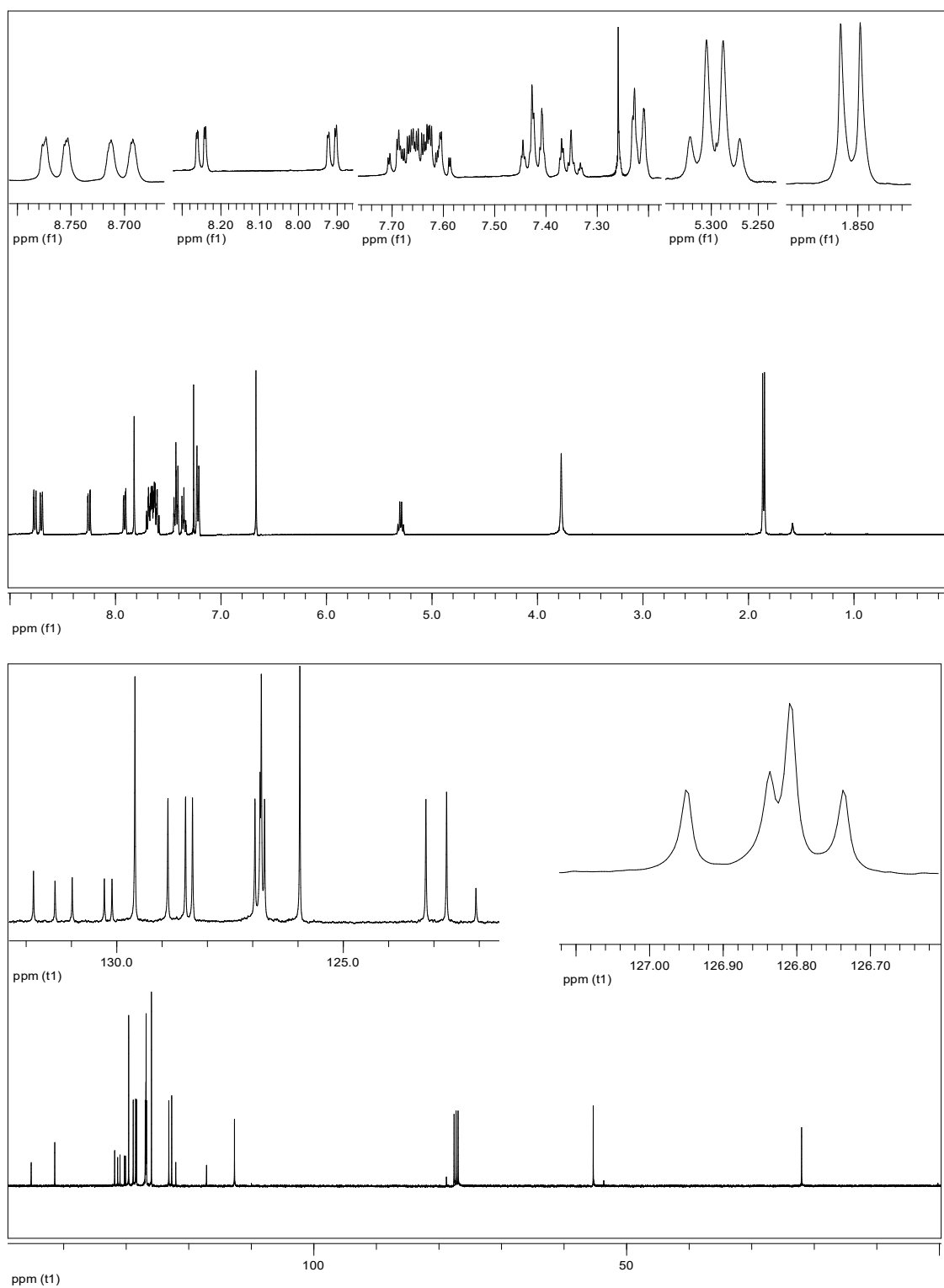


Figure S7. 400 MHz ^1H -NMR and 100 MHz ^{13}C -NMR spectra of 2-amino-4-(phenanthrene-9-yl)-1-(1-phenylethyl)-1H-pyrrole-3-carbonitrile (4c)

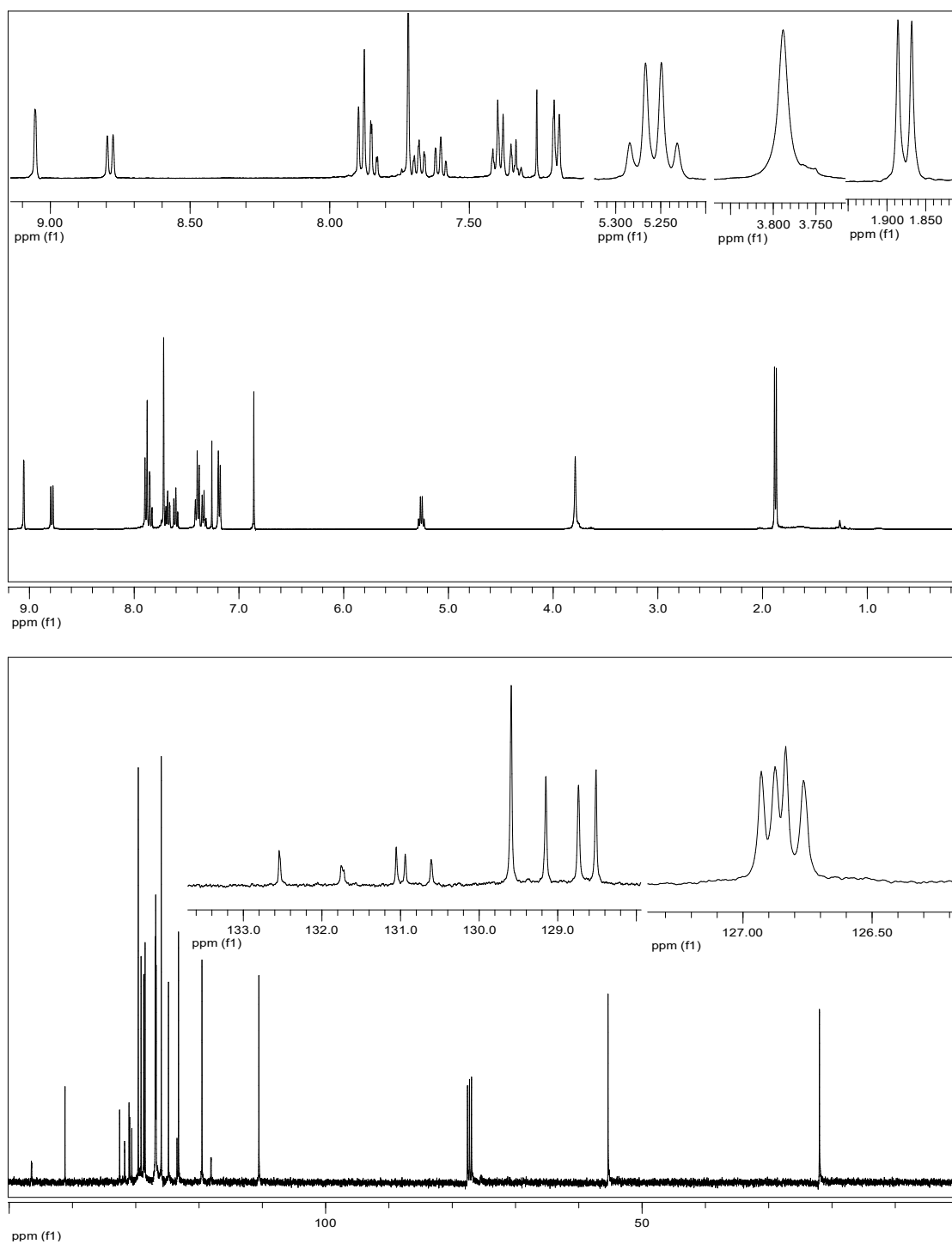


Figure S8. 400 MHz ^1H -NMR and 100 MHz ^{13}C -NMR spectrums of 2-amino-4-(phenanthren-3-yl)-1-(1-phenylethyl)-1H-pyrrole-3-carbonitrile (4d)

