

Supporting Information Part V for

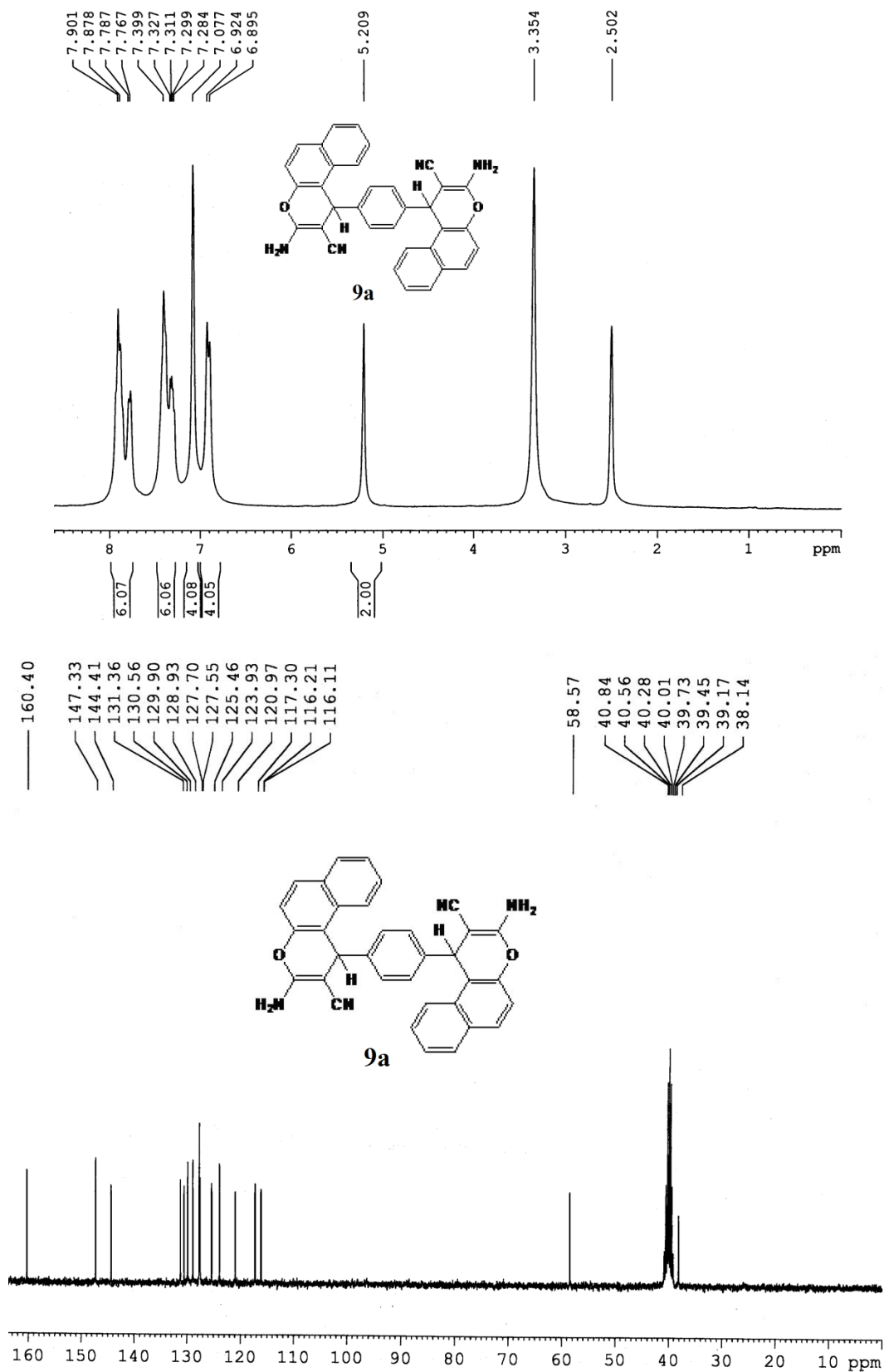
**Heterogeneous ditopic ZnFe<sub>2</sub>O<sub>4</sub> catalyzed synthesis of 4*H*-pyrans:  
further conversion to 1,4-DHPs and report of functional group  
interconversion from amide to ester**

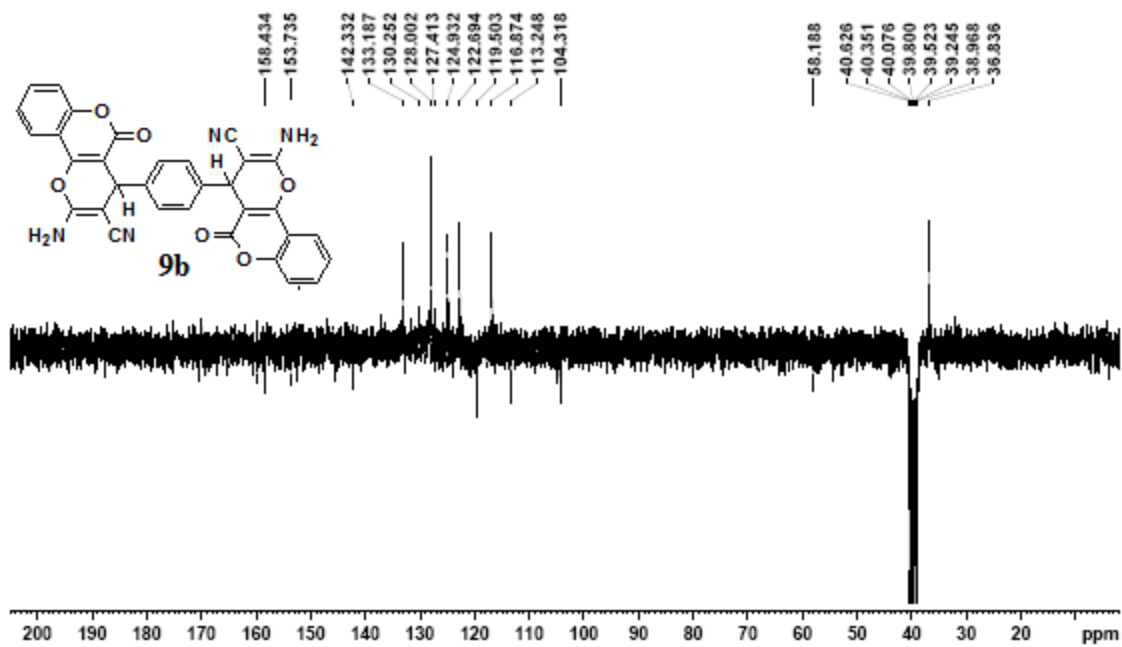
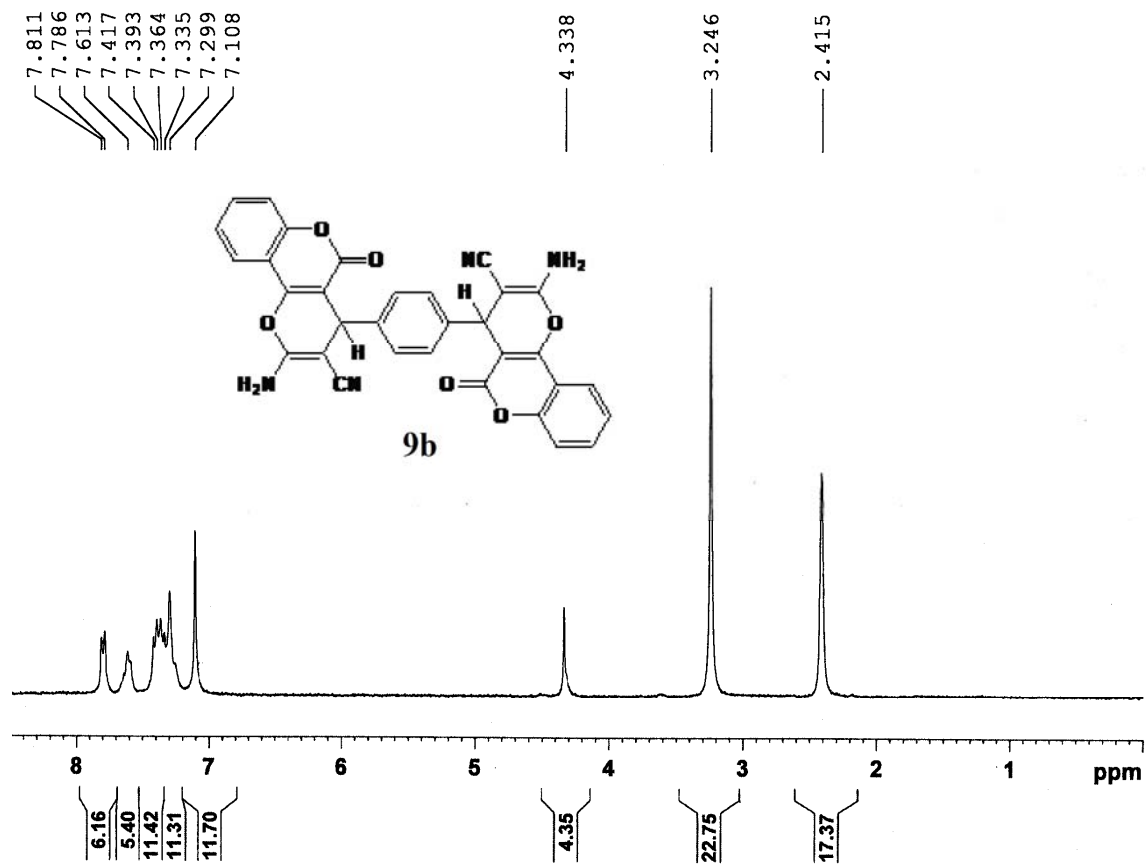
**Paramita Das<sup>a</sup>, Arghya Dutta<sup>b</sup>, Asim Bhaumik<sup>b</sup> and Chhanda Mukhopadhyay<sup>\*a</sup>**

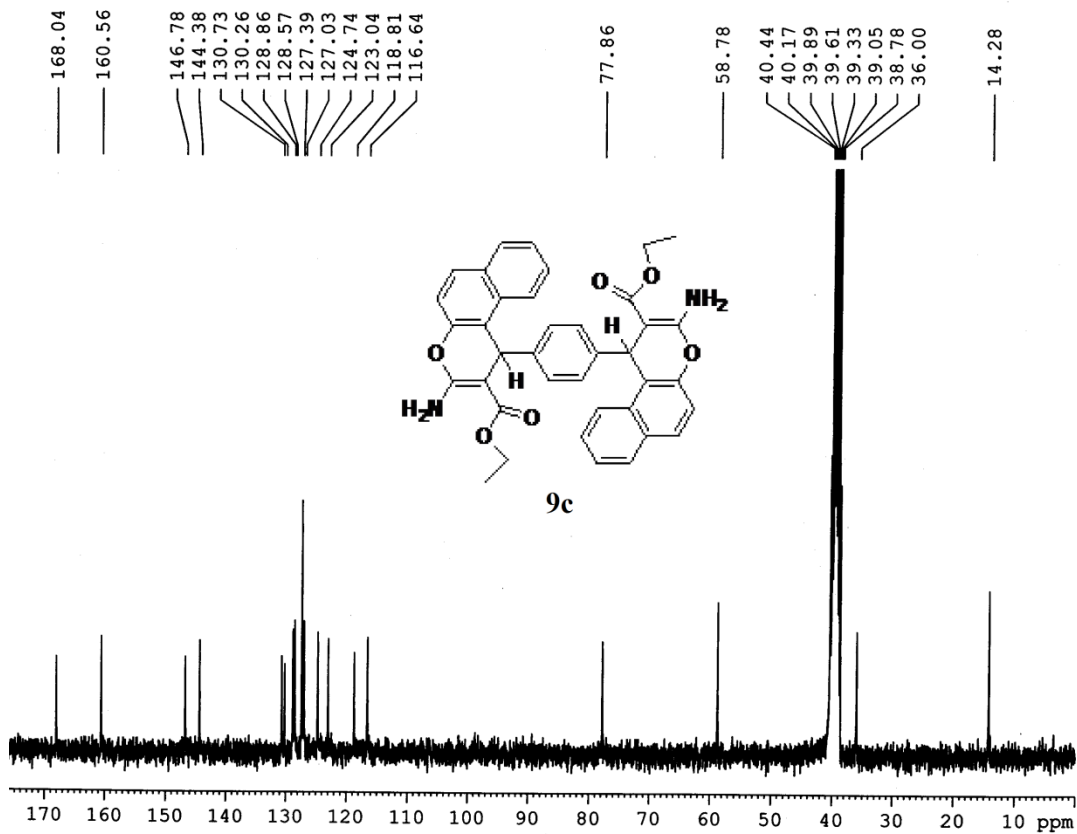
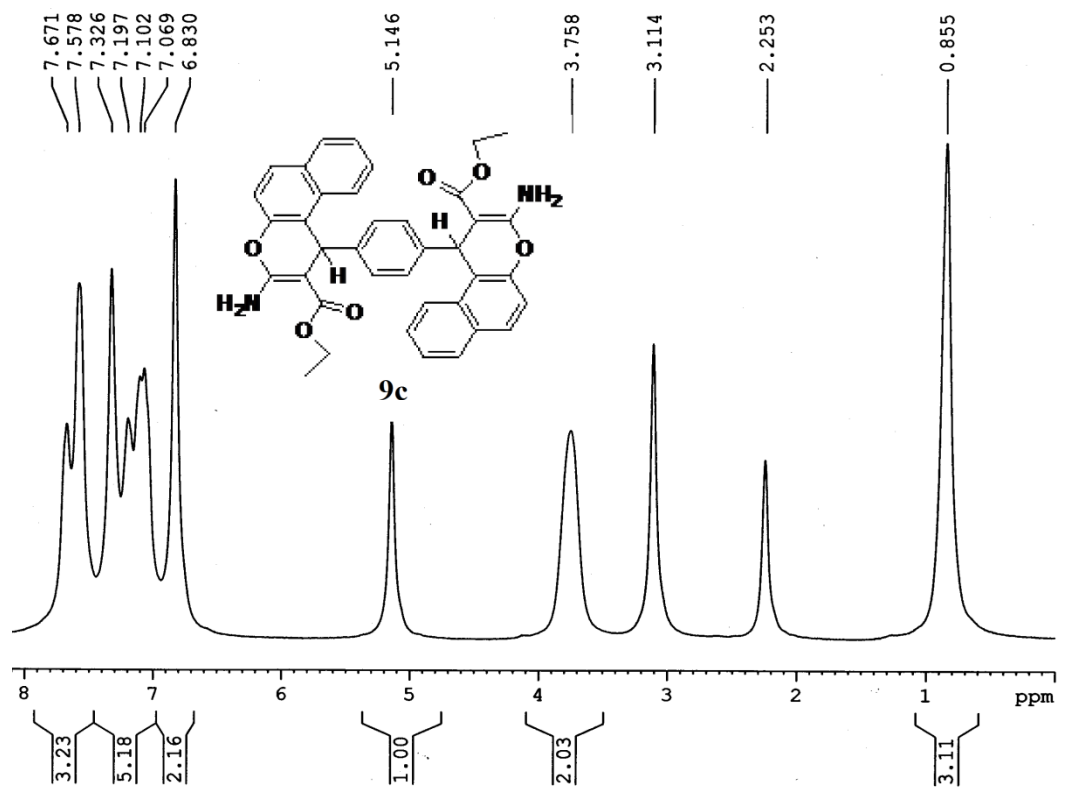
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India.

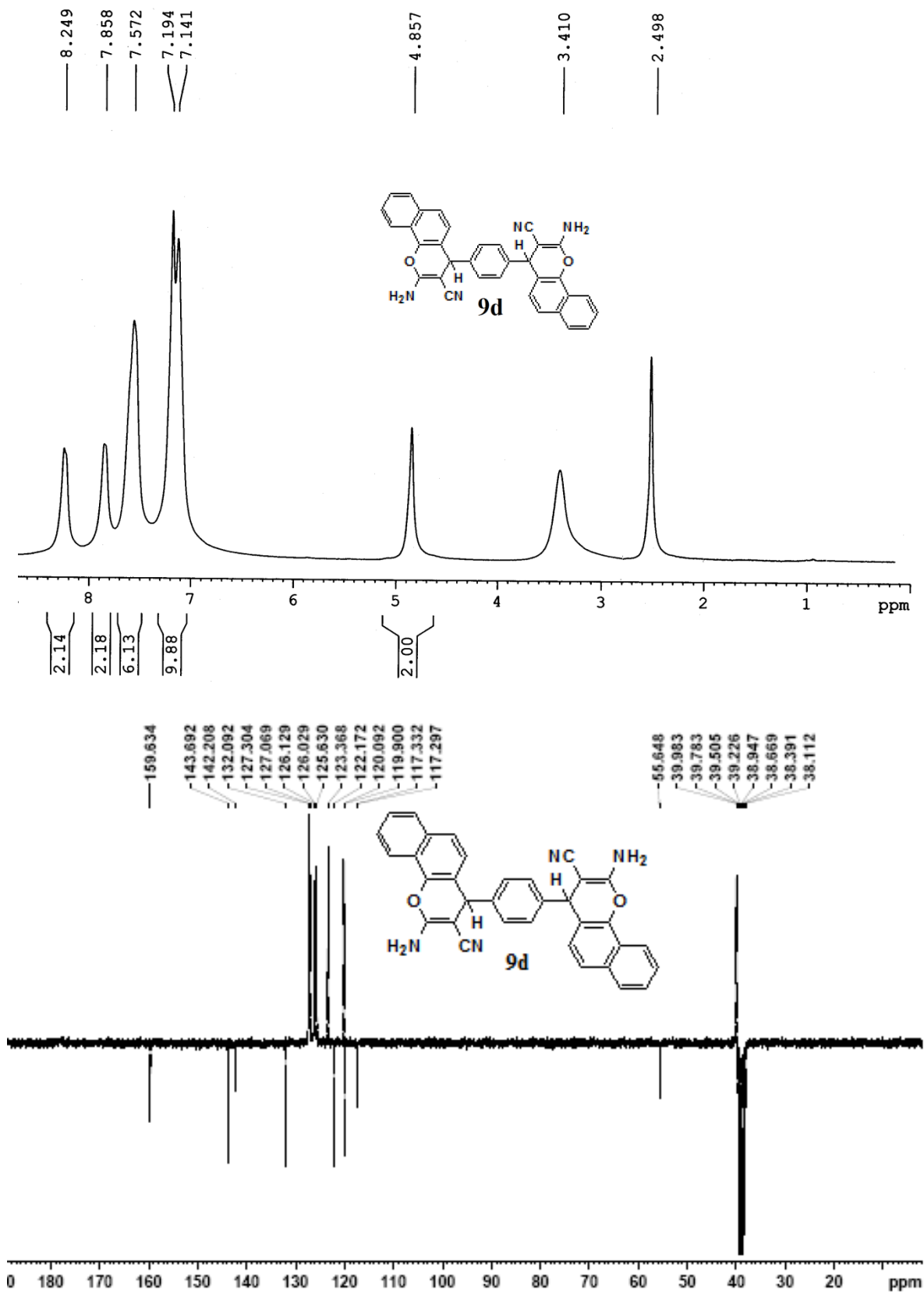
[cmukhop@yahoo.co.in](mailto:cmukhop@yahoo.co.in)

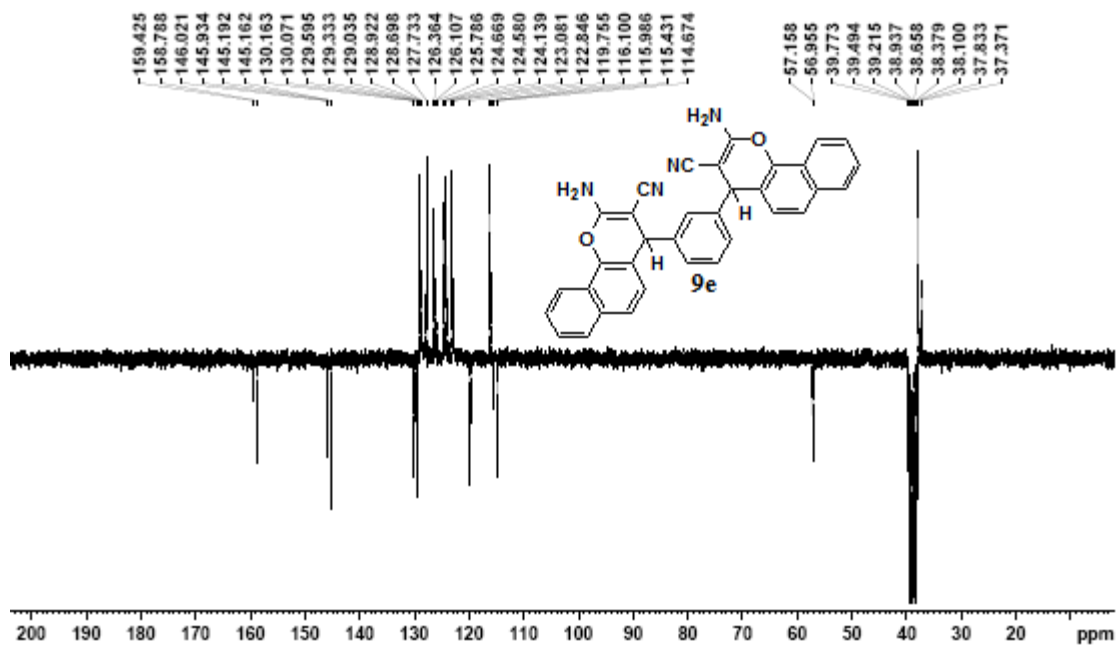
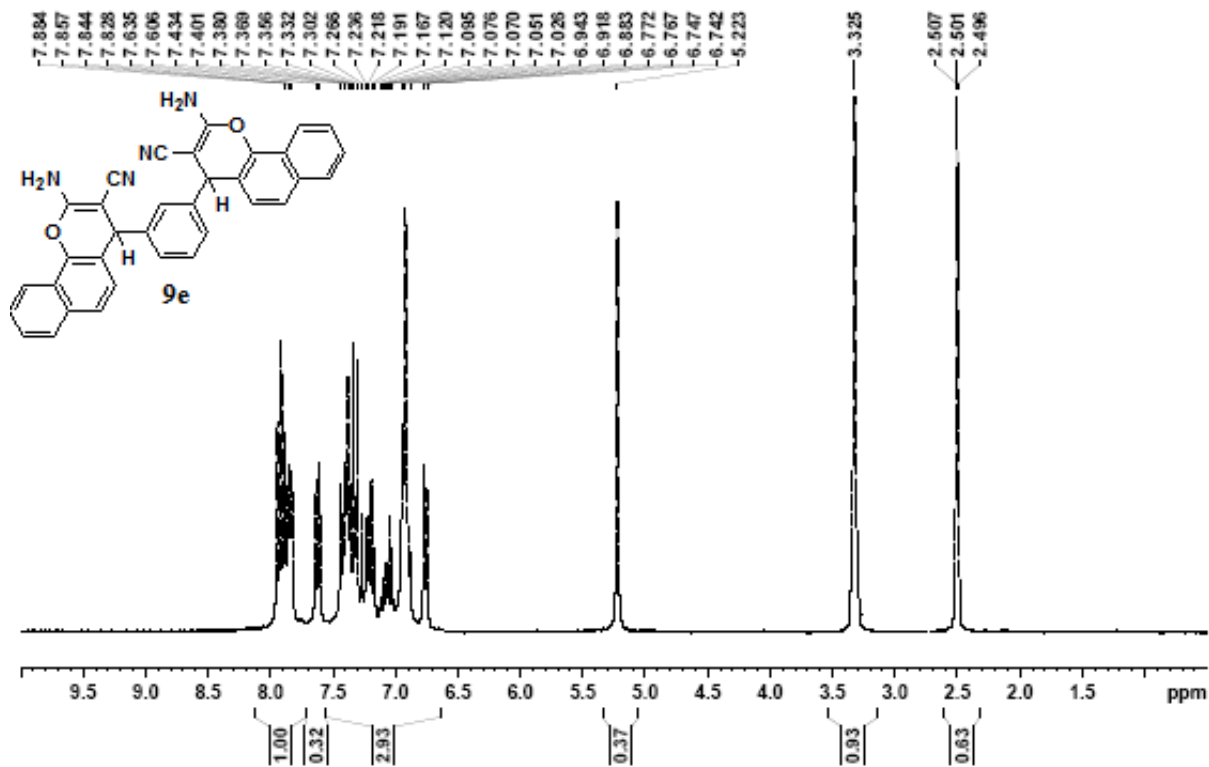
### Spectral Data of bis-4*H*-pyrans 9a-9e



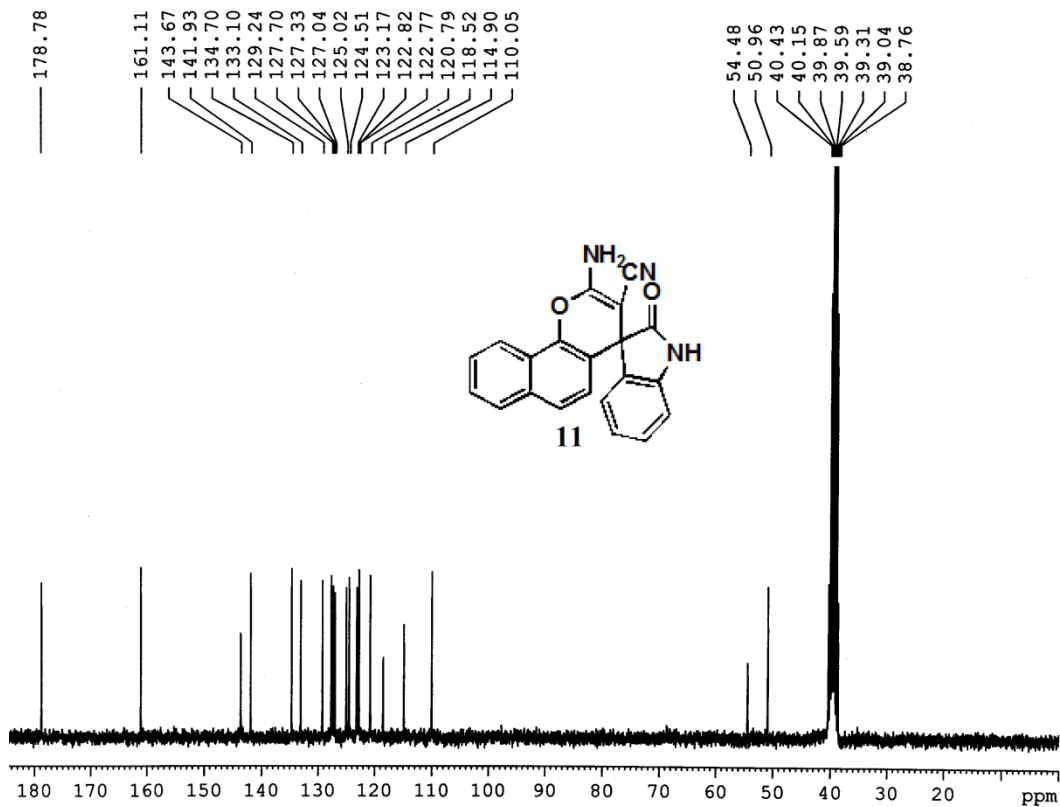
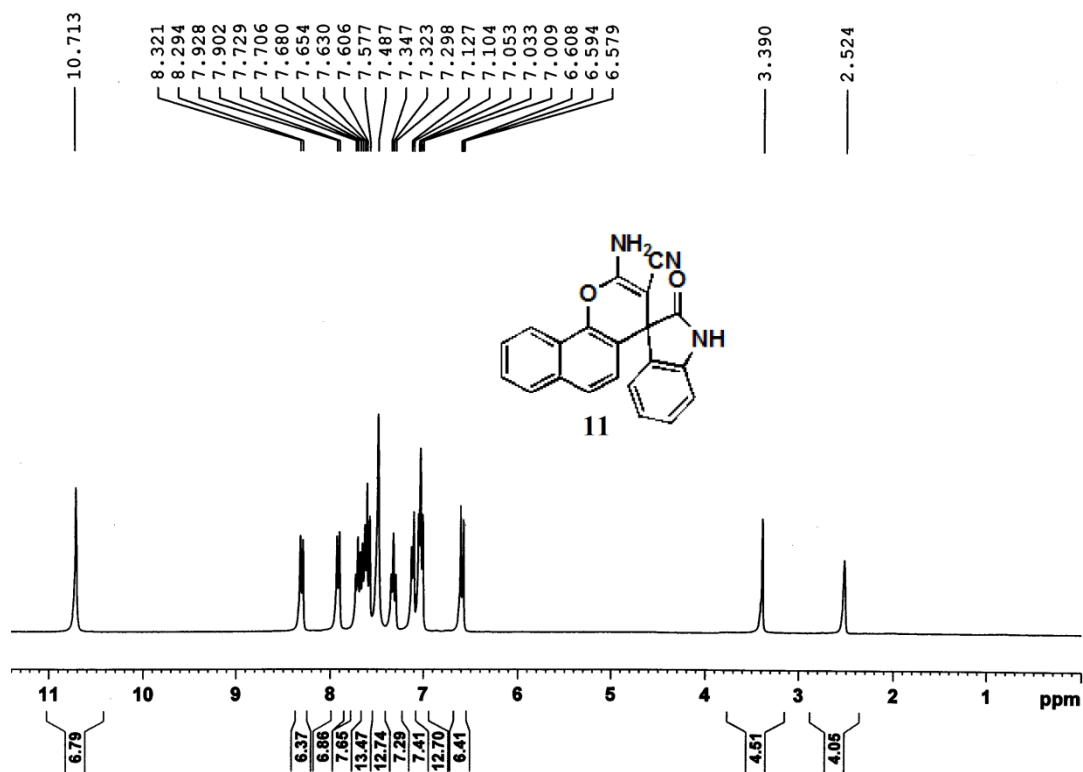




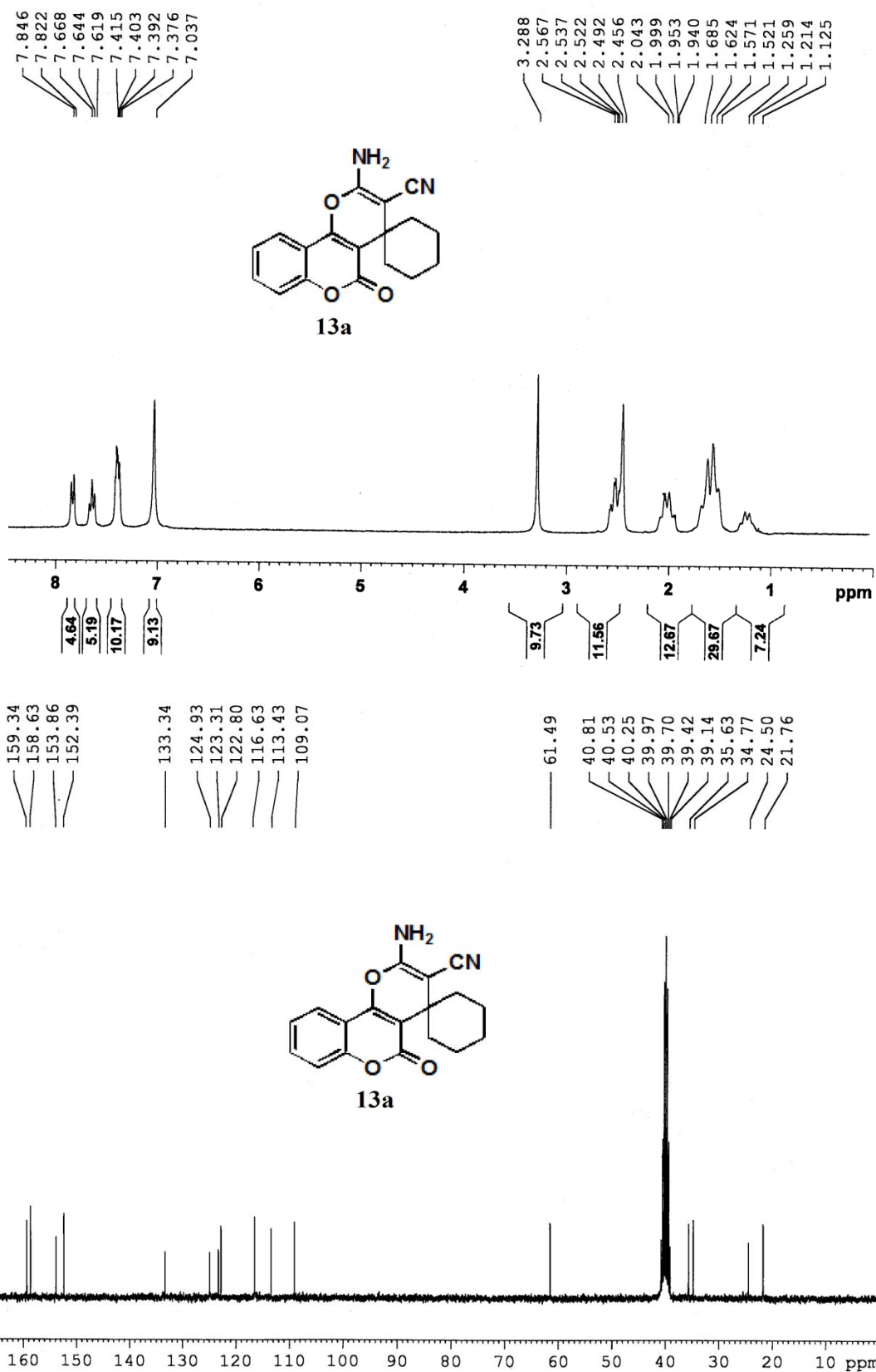




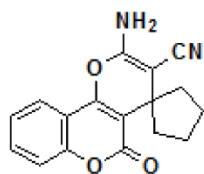
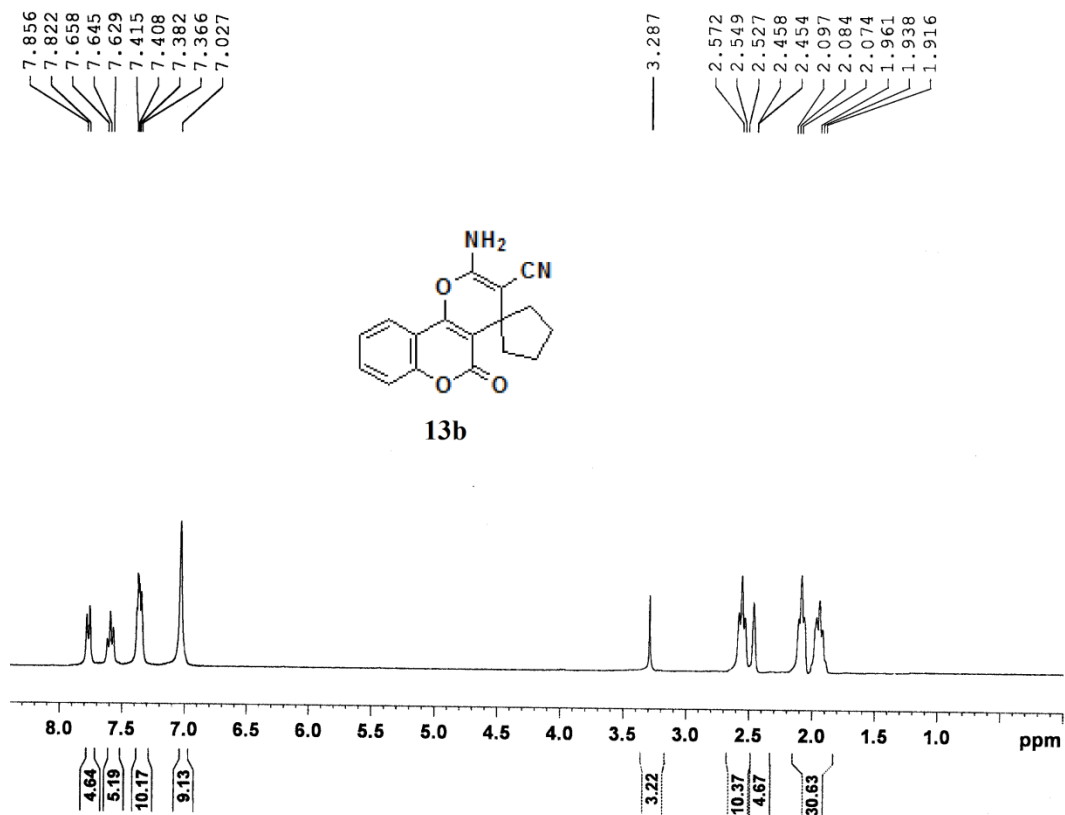
### Spectral Data of 11



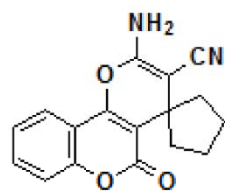
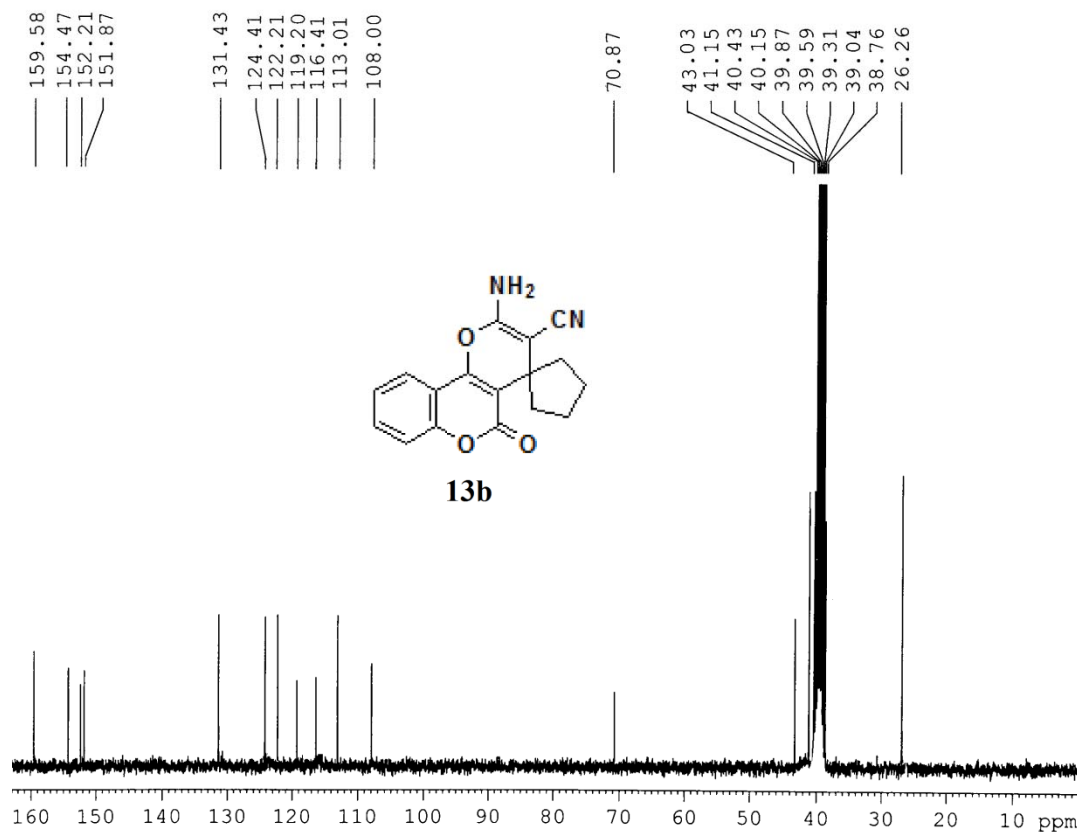
### Spectral Data of spiro-4H-pyrans 13a-13d



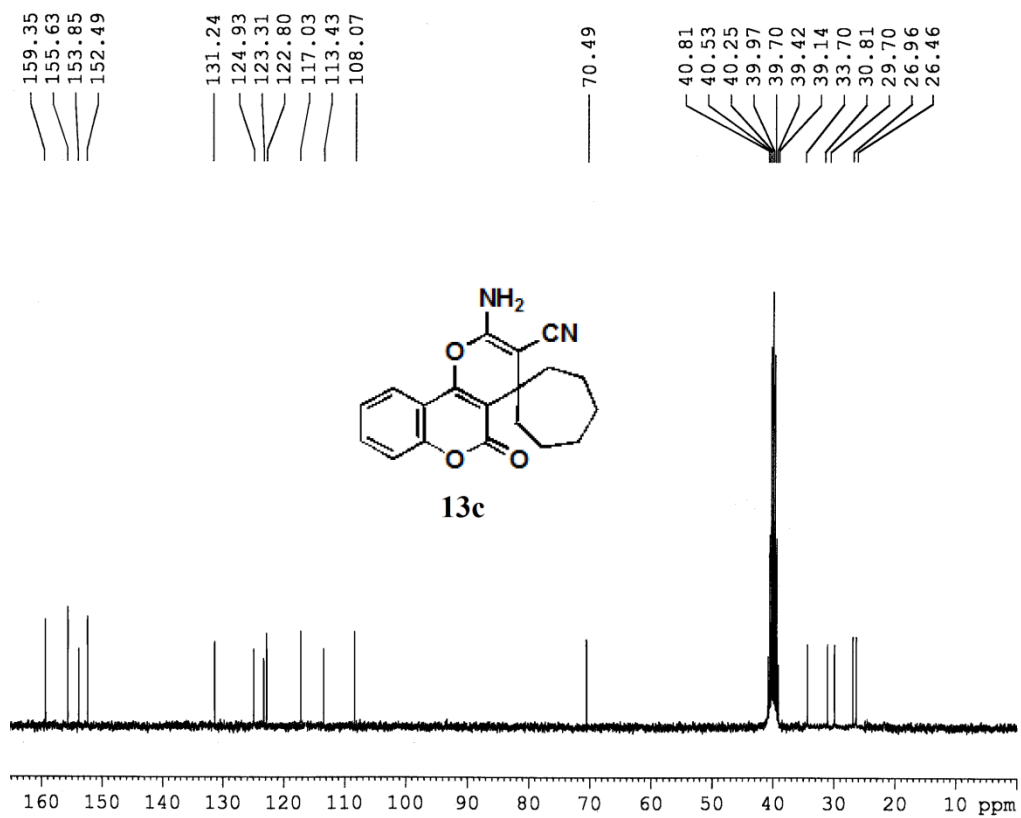
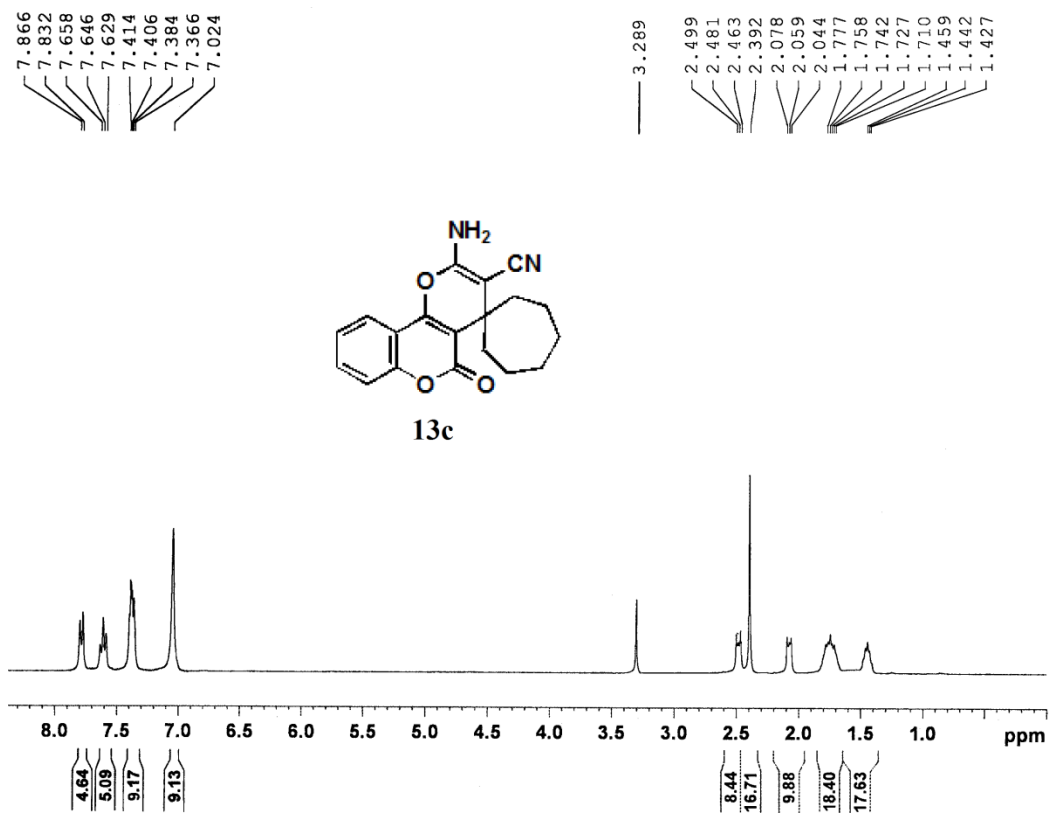


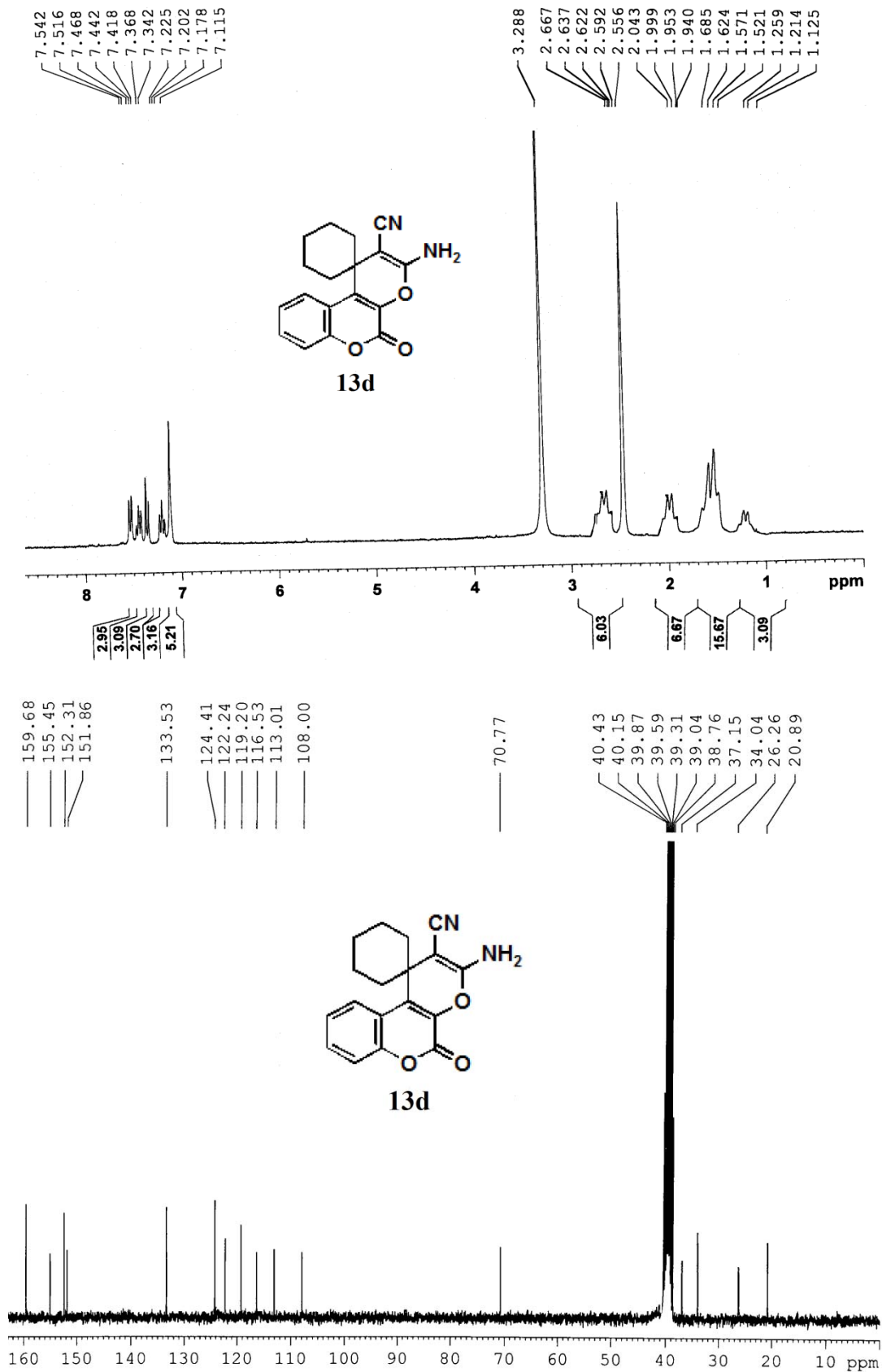


13b



13b





### Spectral Data of 4a-4h

