

Supplementary Information

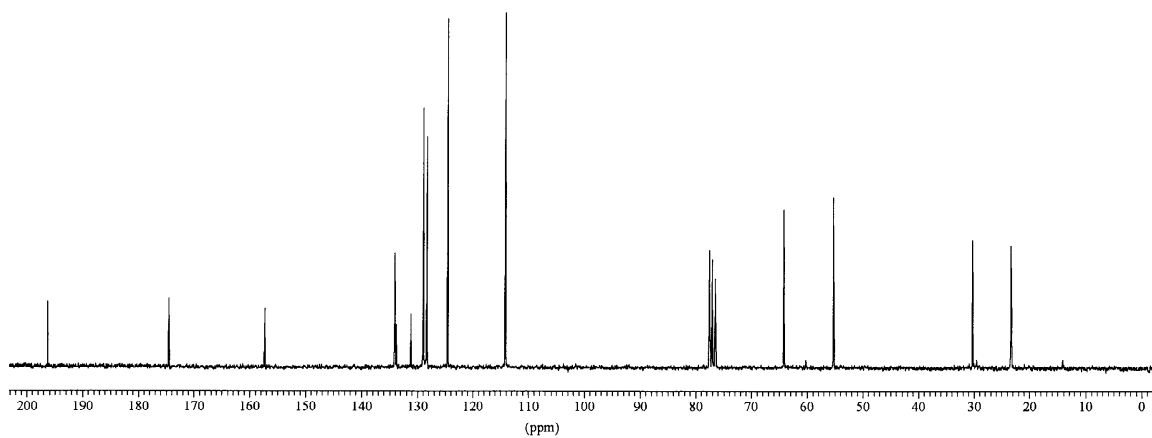
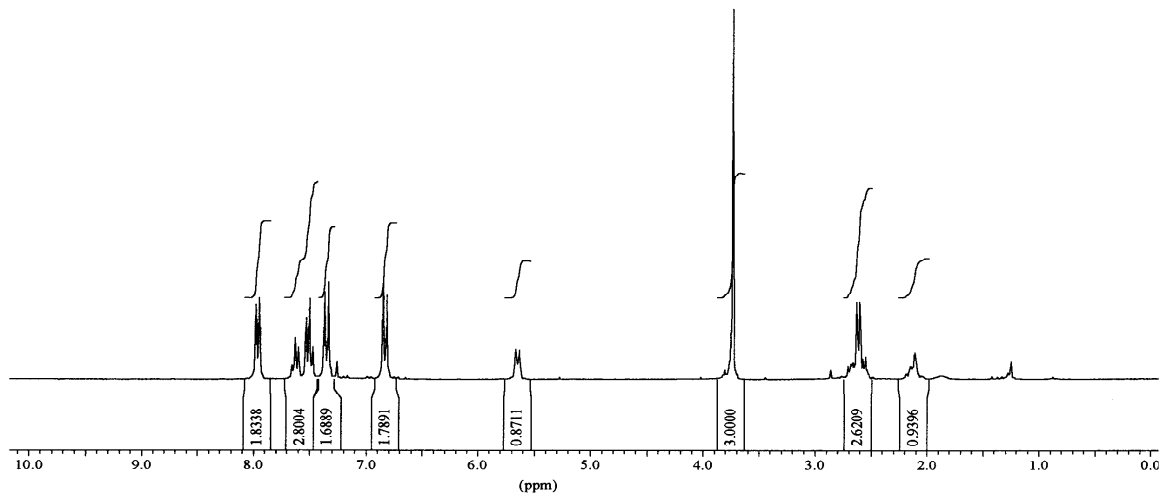
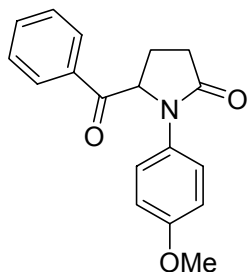
Application of the PIFA-mediated alkyne amidation reaction to the formal synthesis of (\pm)-*clausenamide*.

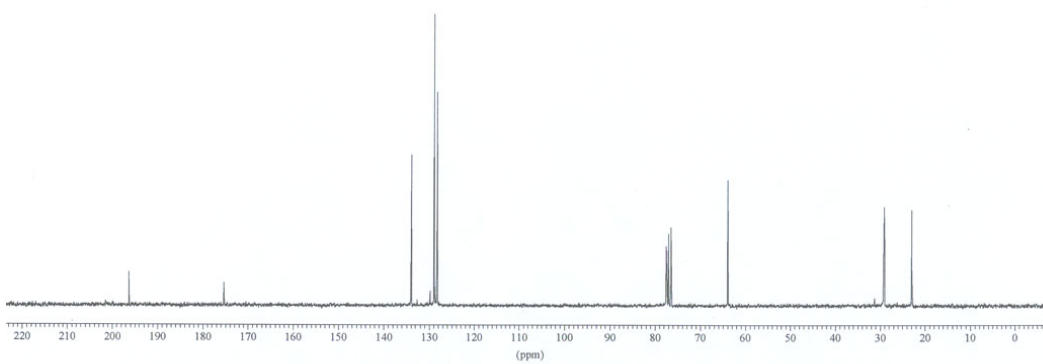
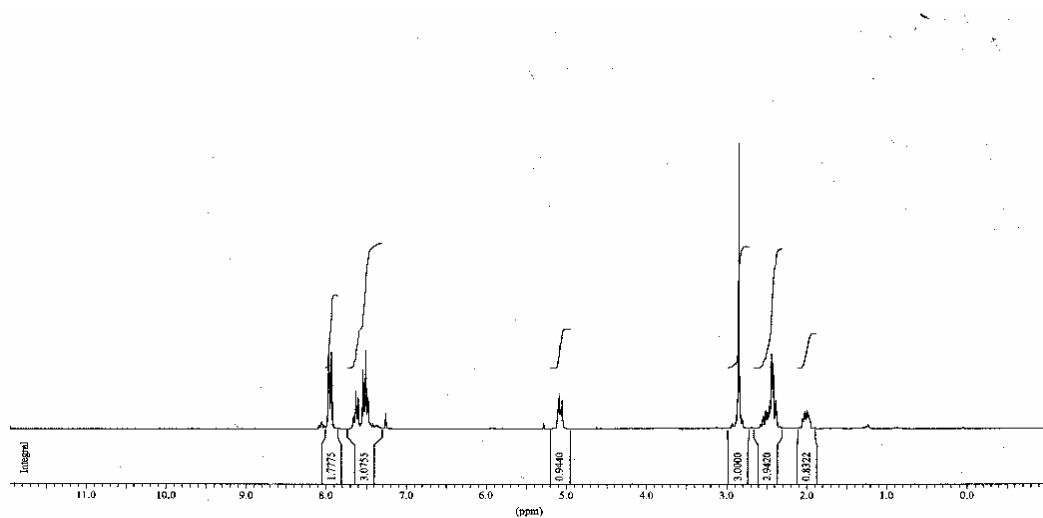
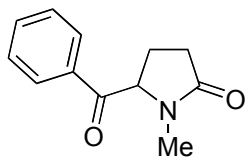
Imanol Tellitu,* Sonia Serna, and Esther Domínguez*

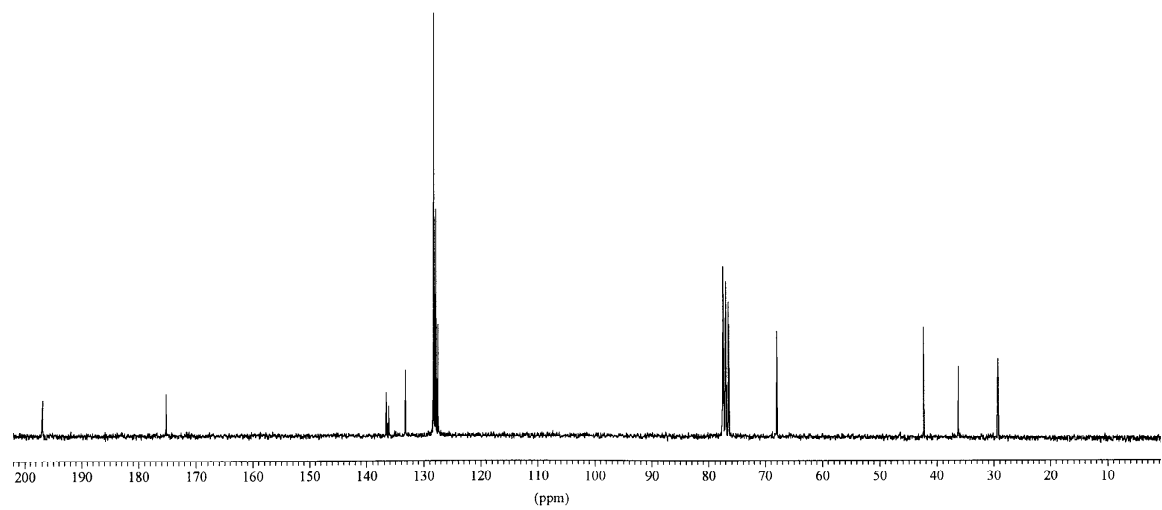
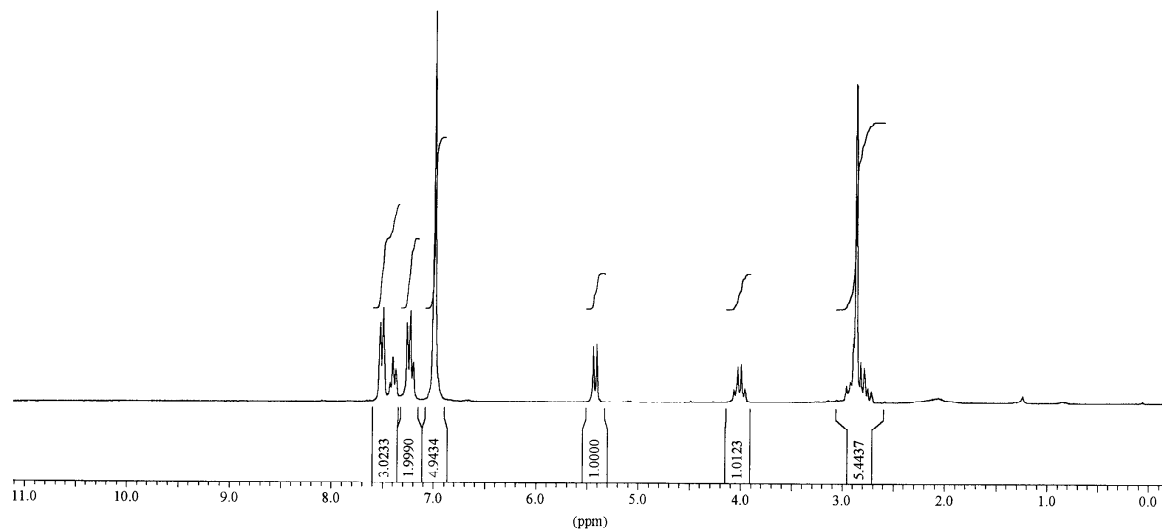
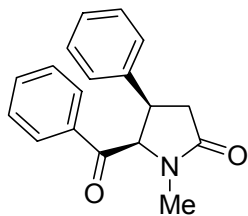
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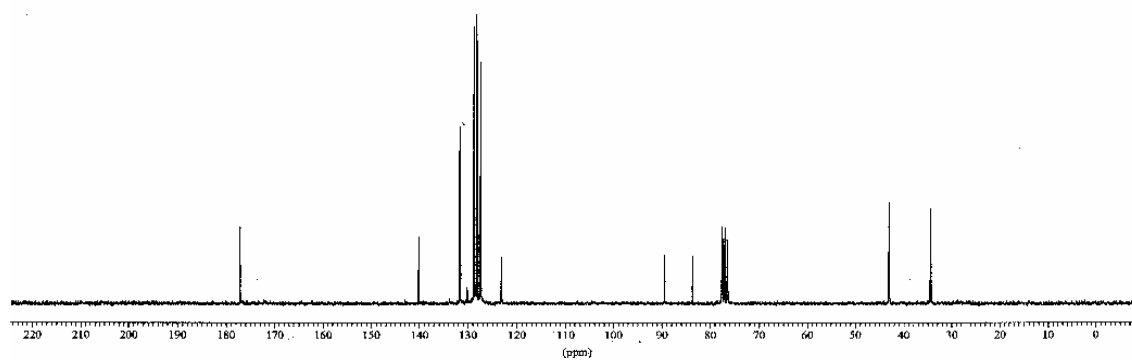
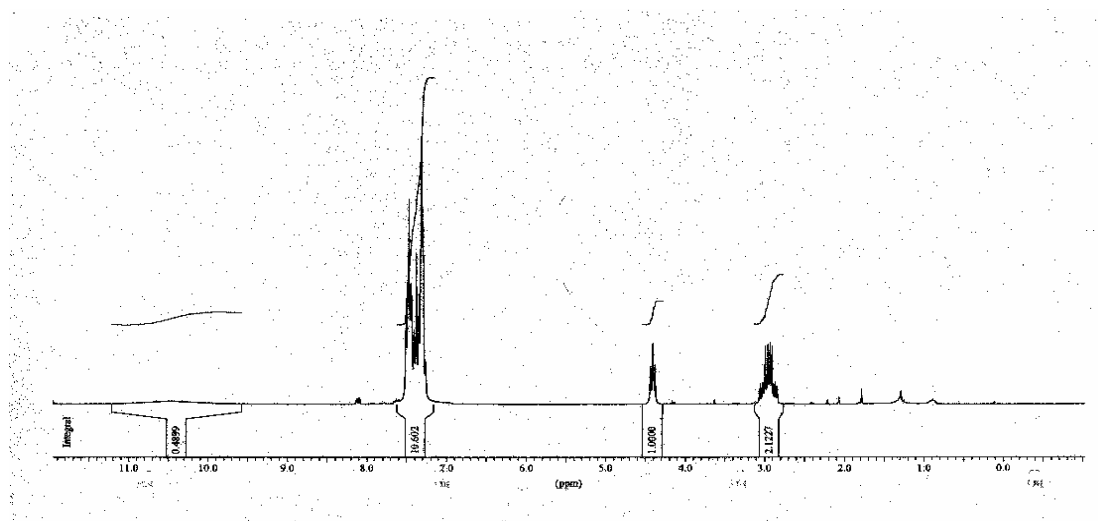
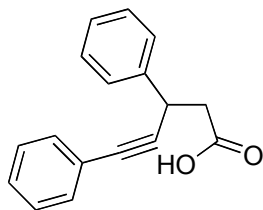
Dedicated to Professor Benito Alcaide on the occasion of his 60th birthday

Copies of proton and carbon 13 spectra **2a,b**, **8**, **9** and **10cis** are included.

5-Benzoyl-N-(4-methoxyphenyl)pyrrolidin-2-one (2a).

5-Benzoyl-N-methylpyrrolidin-2-one (2b).

5-Benzoyl-*N*-methyl-4-phenylpyrrolidin-2-one (10*cis*).

3,5-Diphenylpentynoic acid (8).

3,5-Diphenyl-N-methyl-4-pentynamide (9).