

Supporting Information

Efficient Synthetic route to Aromatic Secondary Amines via Pd/RuPhos/TBAB Catalyzed Cross Coupling

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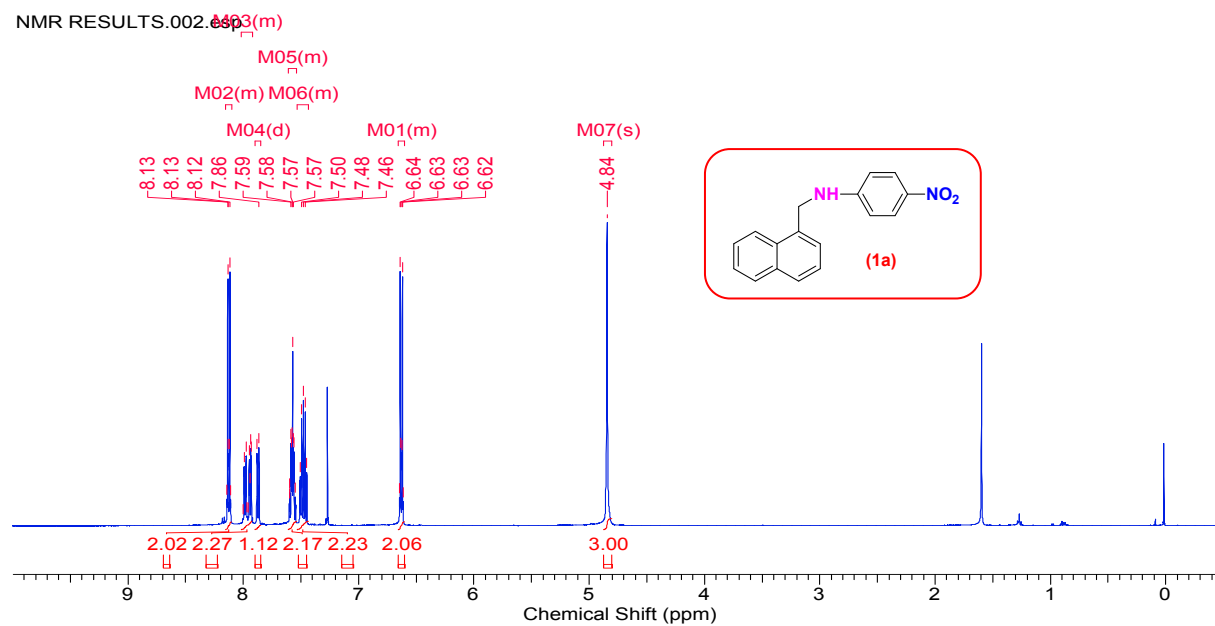
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1. General Information:

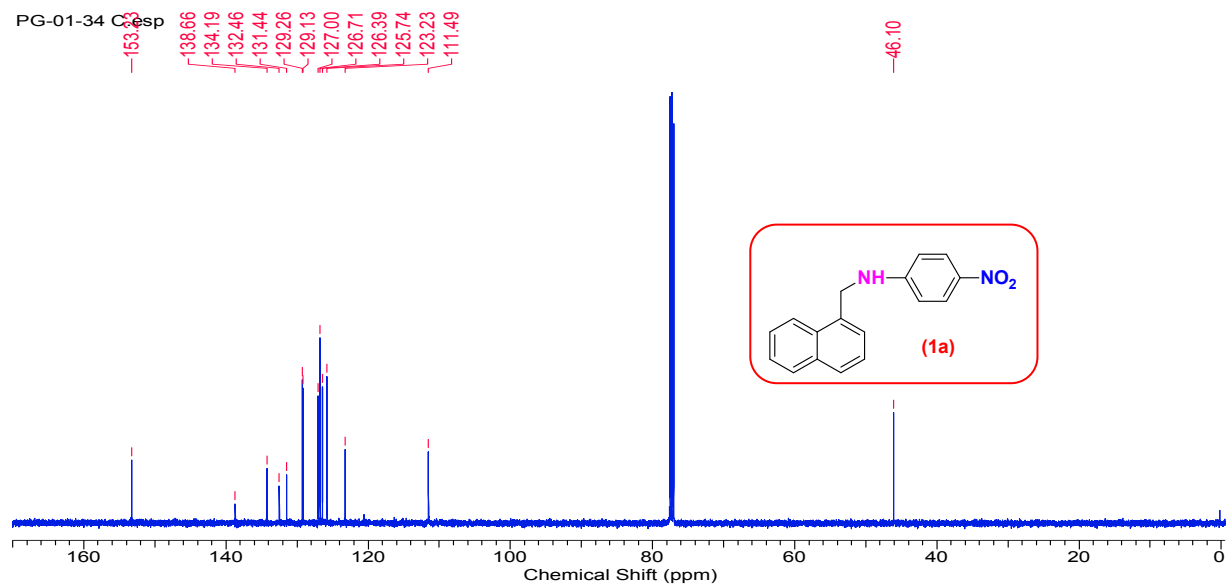
All reactions were regulated under nitrogen atmosphere. Solvents: Hexane, ethyl acetate (EtOAc) for extraction and chromatography were purchased from spectrochem. All these compounds were recognized by the usual physical methods, that is IR (Bruker), ¹H NMR, ¹³C NMR, ¹⁹F NMR, CHN spectra were measured in CDCl₃ (300, 500, 125, 376 MHz) on Bruker instrument. ¹H chemical shift are reported in ppm from an internal standard TMS or of residual chloroform (7.27 ppm). Following abbreviations are used: m (multiplet), s (singlet), bs (broad singlet), d (doublet), t (triplet), dd (doublet of doublet), td (triplet of doublet), q (quadruplet), IR spectra measured are reported in wave numbers (cm⁻¹). TLC was performed on precoated silica gel 60-F254 plates. Silica gel (100-200) mesh size was used for column chromatography. Melting points were recorded on a B-450 apparatus. Aryl/alkyl halides and aryl amines are commercially available compounds of Sigma Aldrich make.

¹H, ¹³C and ¹⁹F NMR Spectra:

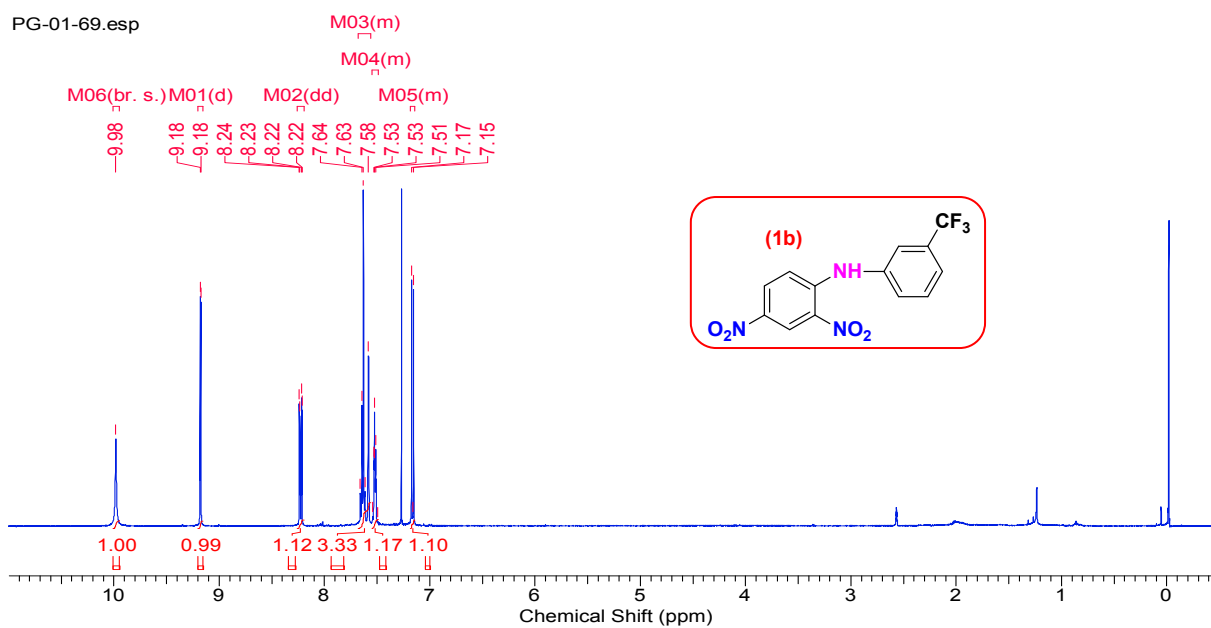
NMR RESULTS.002.6803(m)



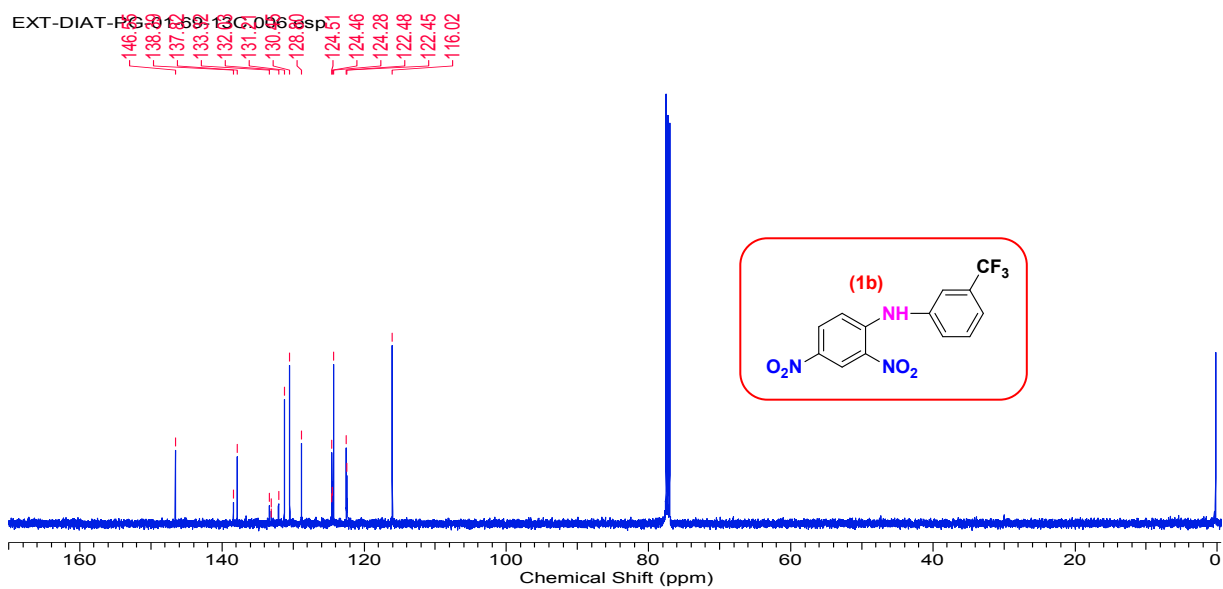
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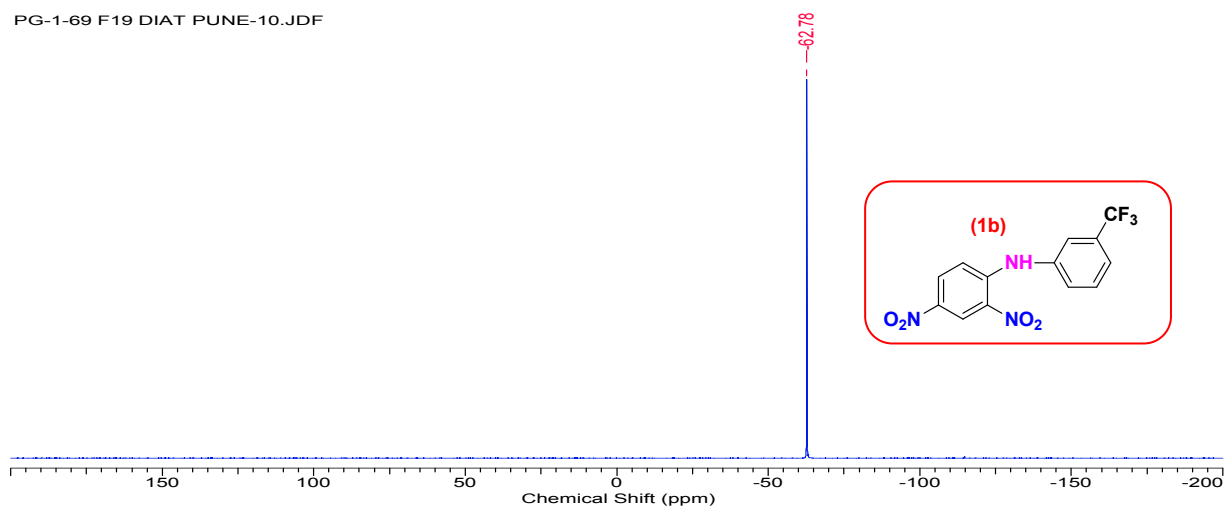
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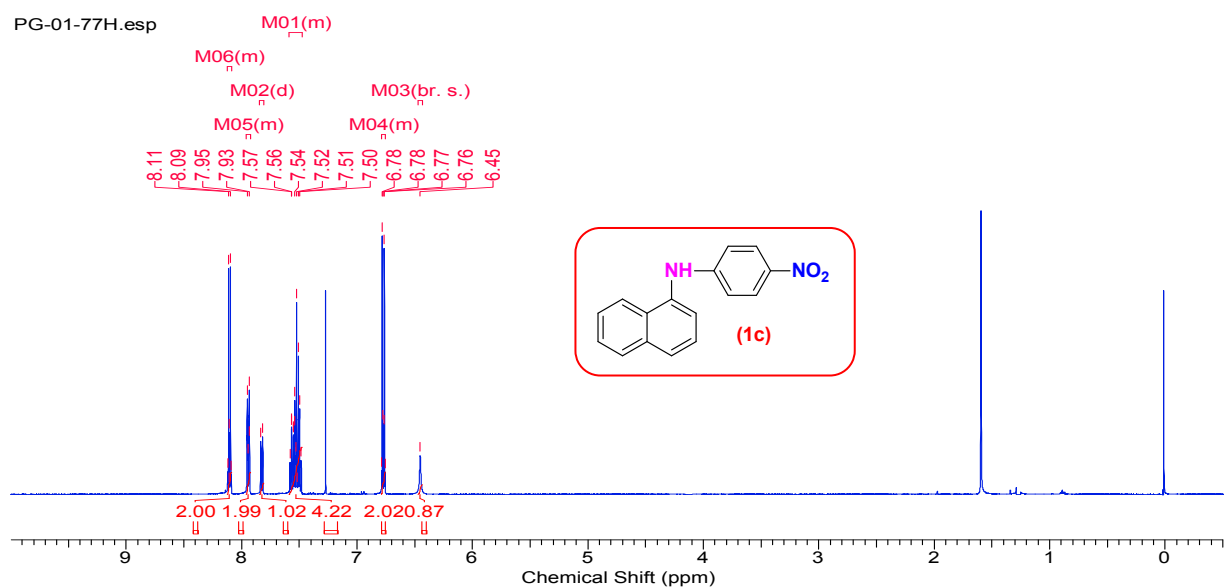
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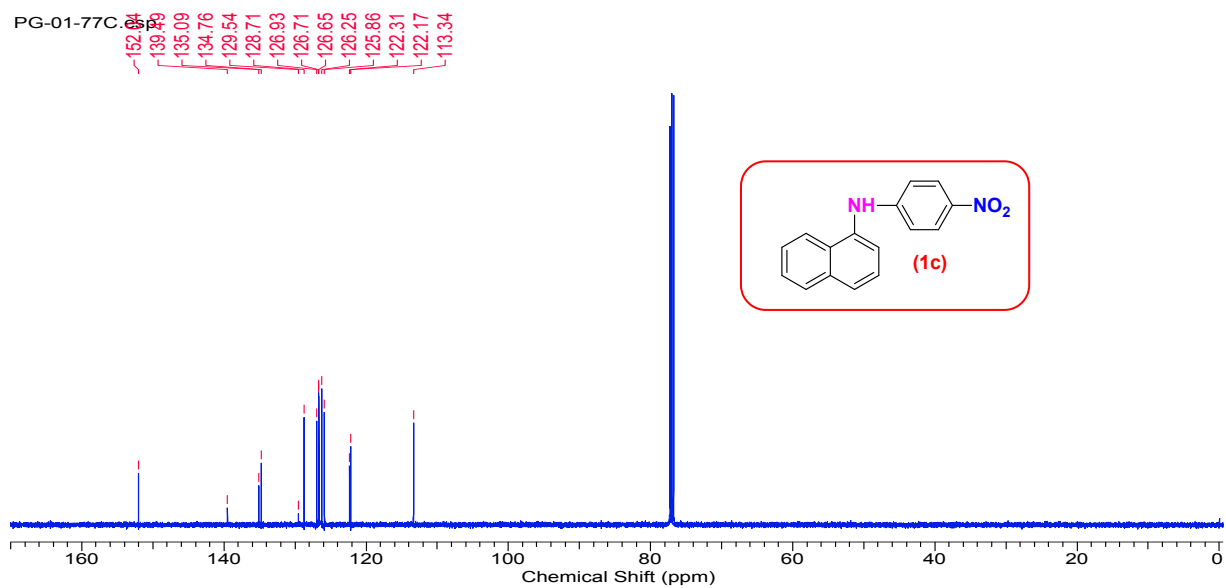
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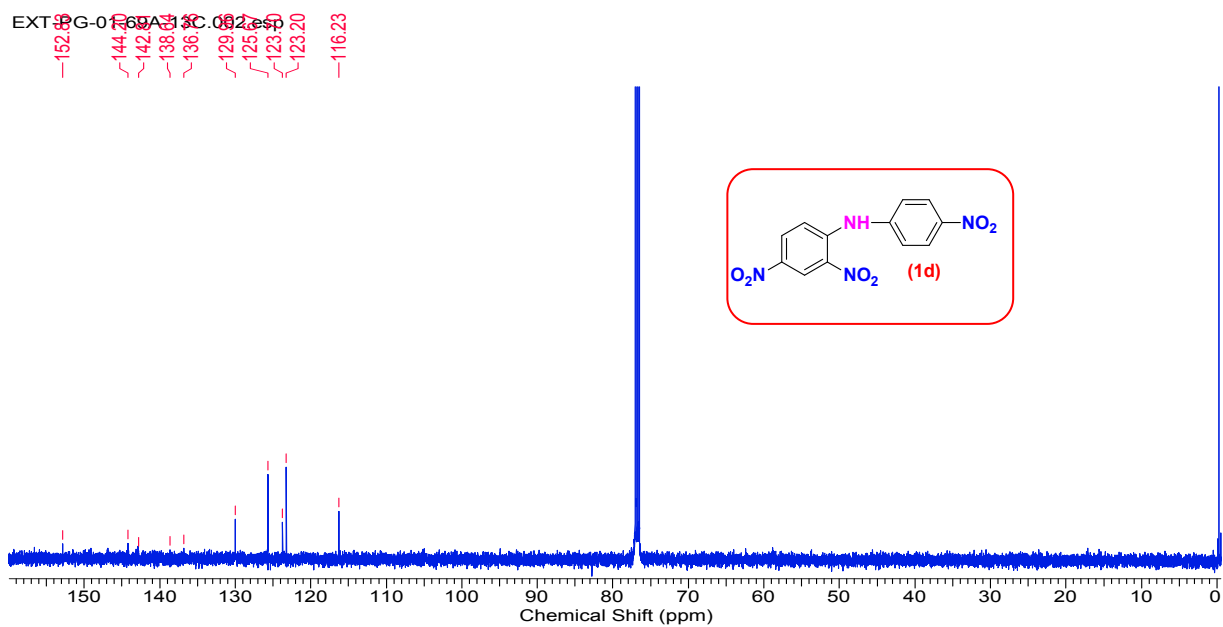
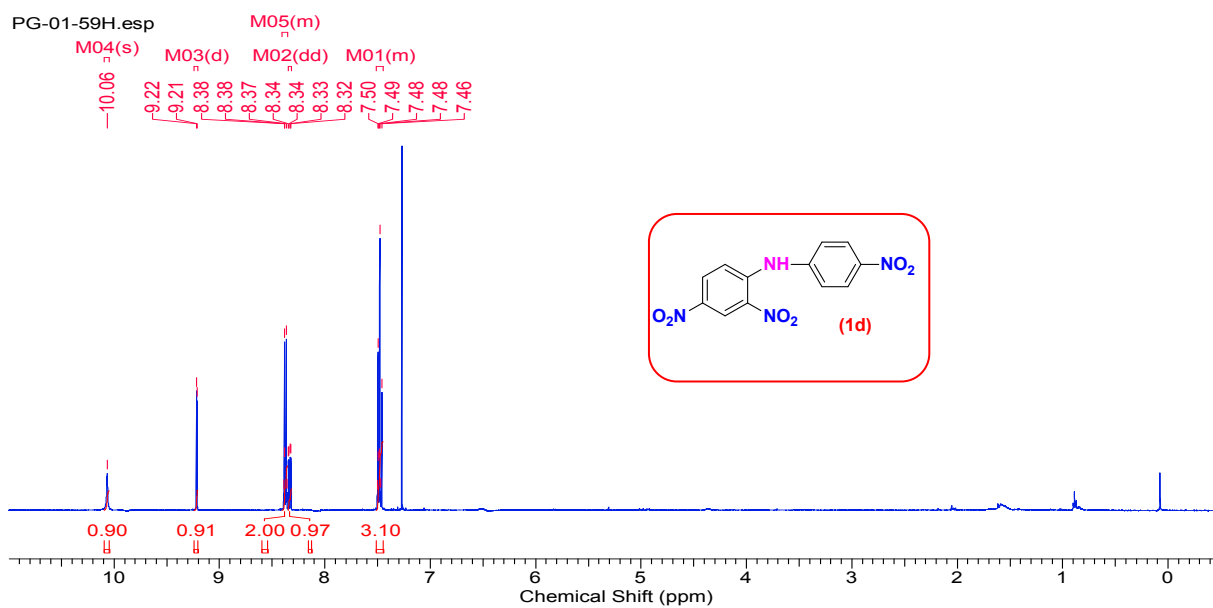


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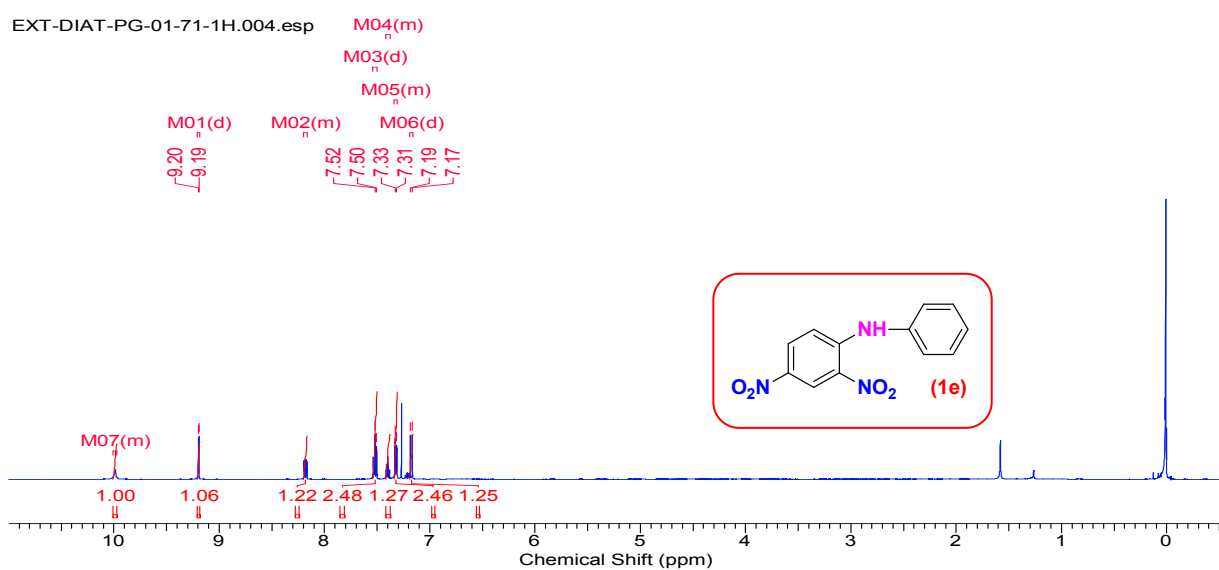


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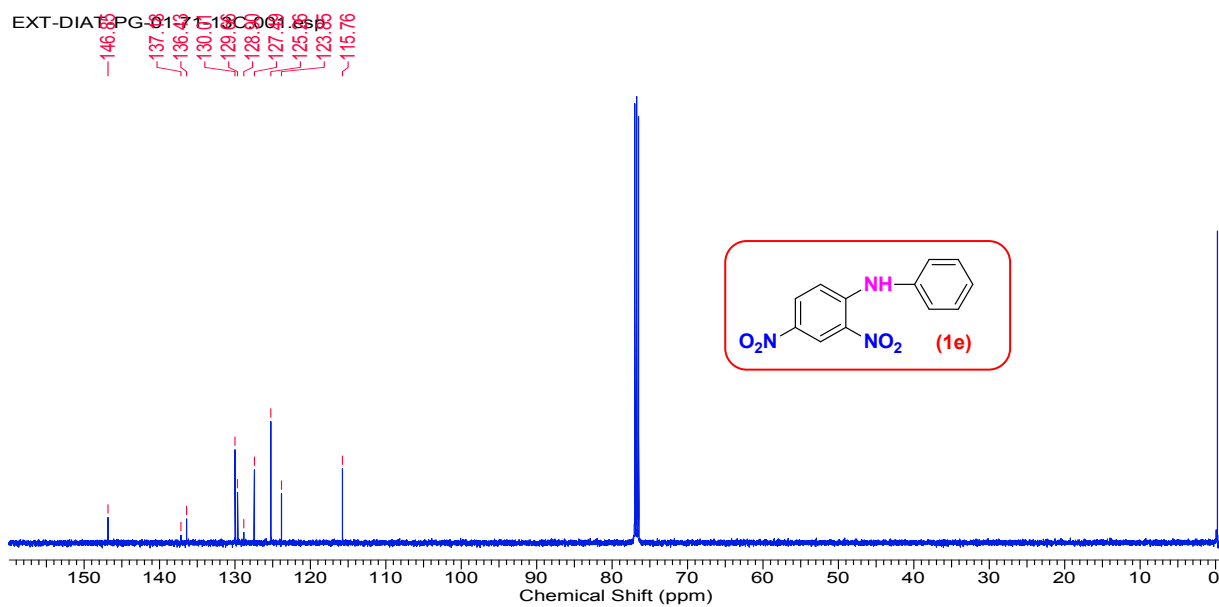




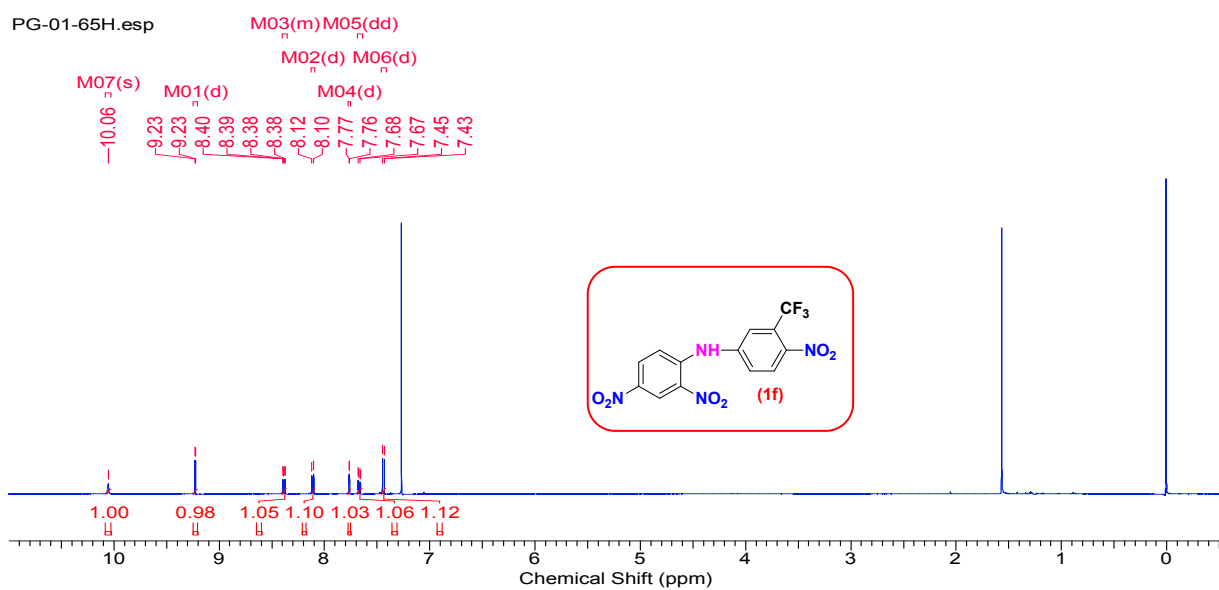
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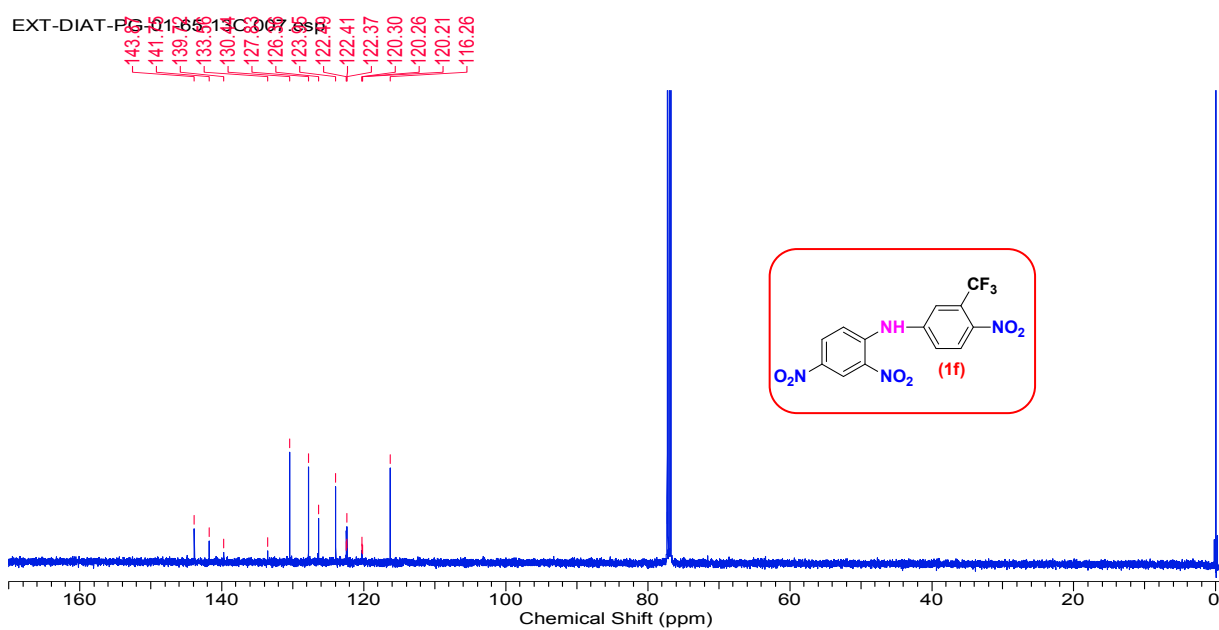
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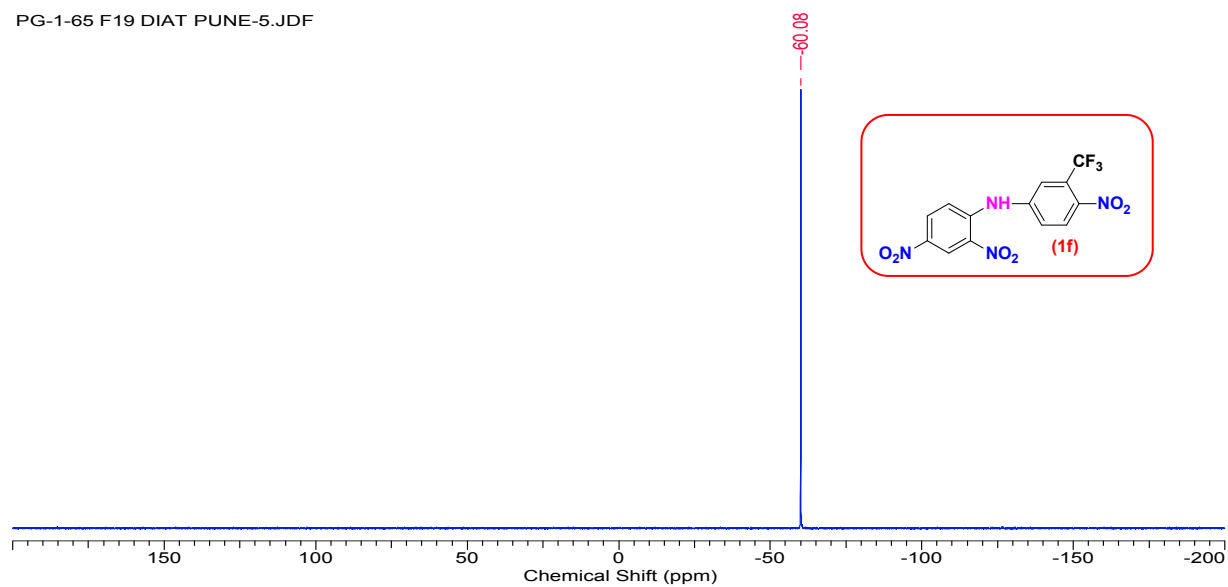
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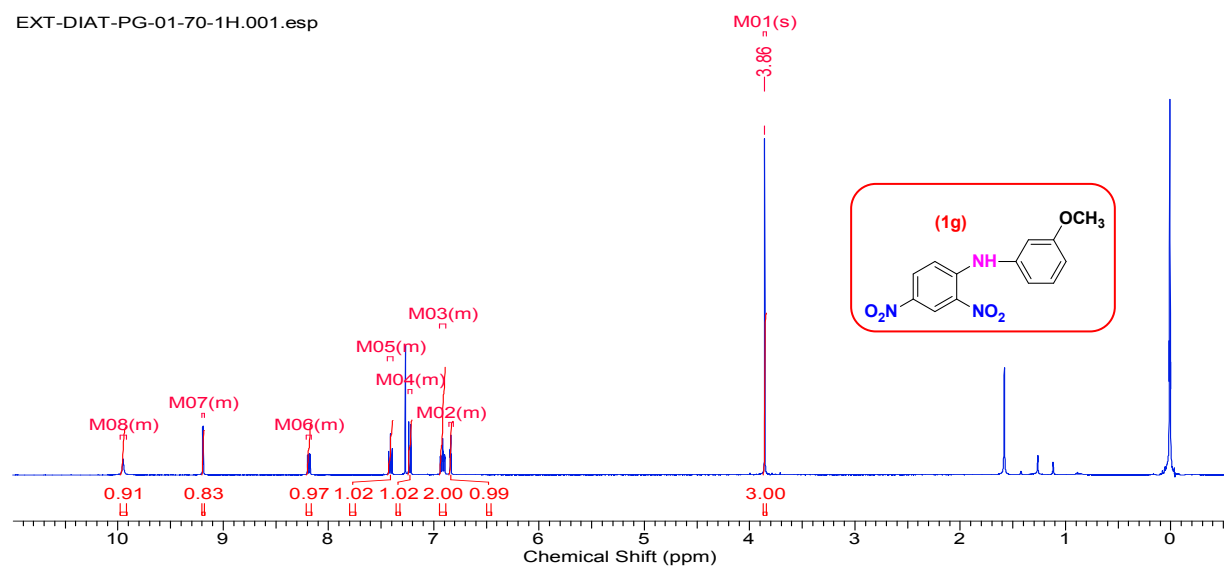
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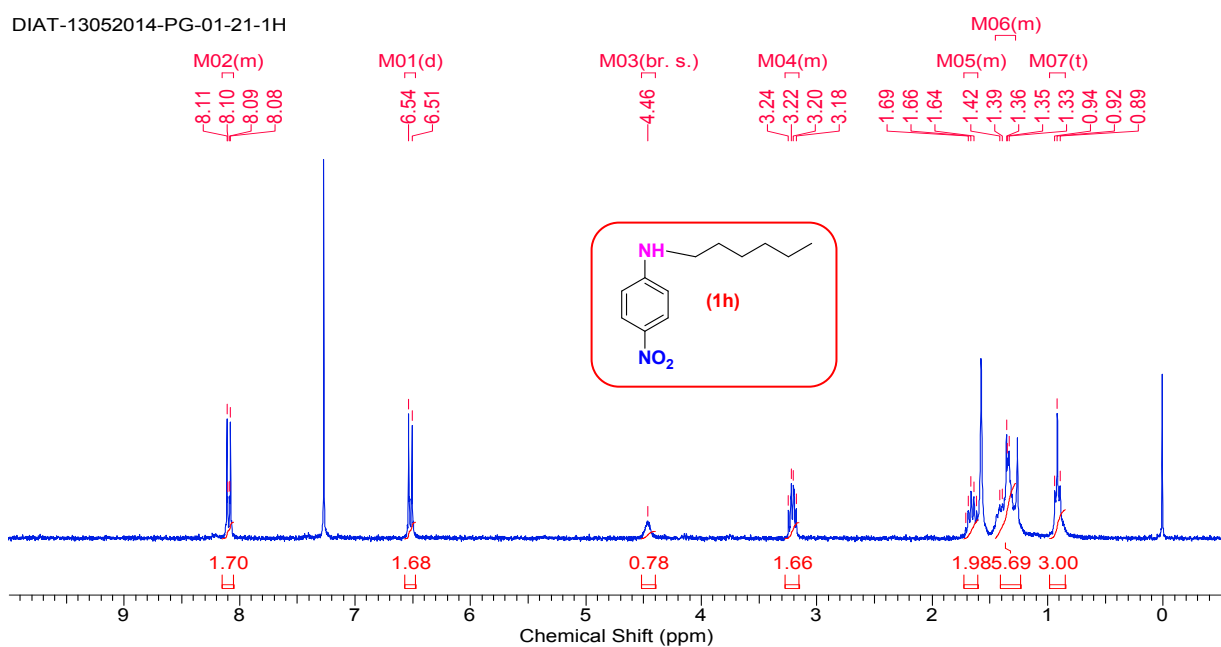
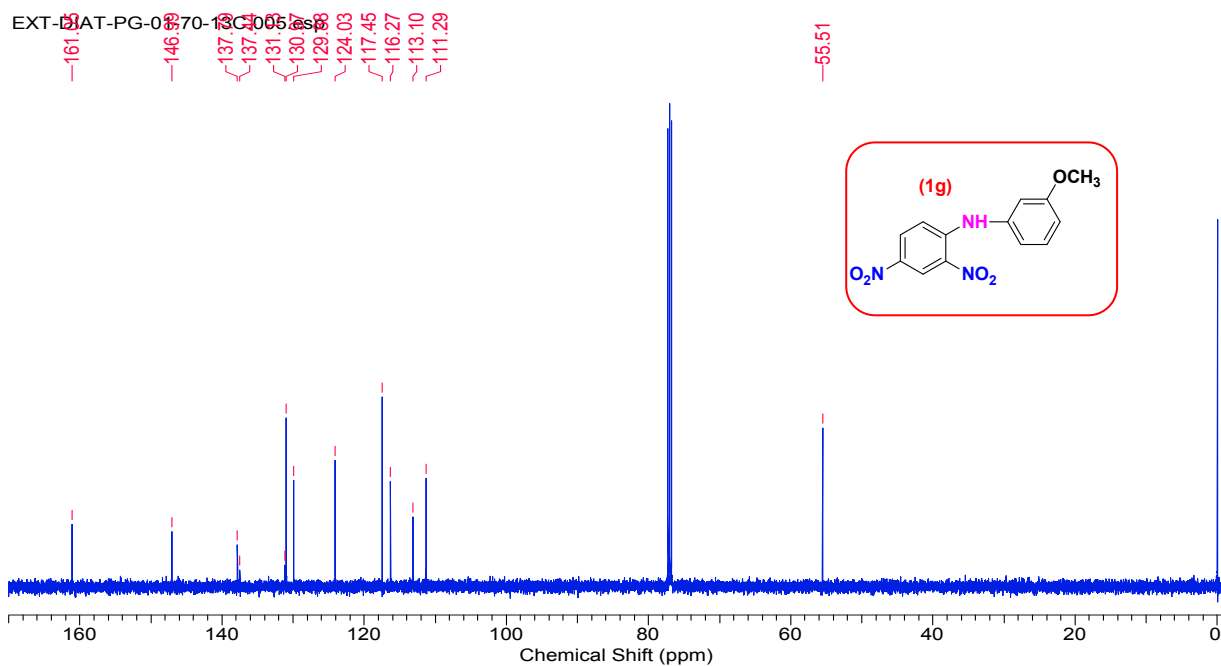


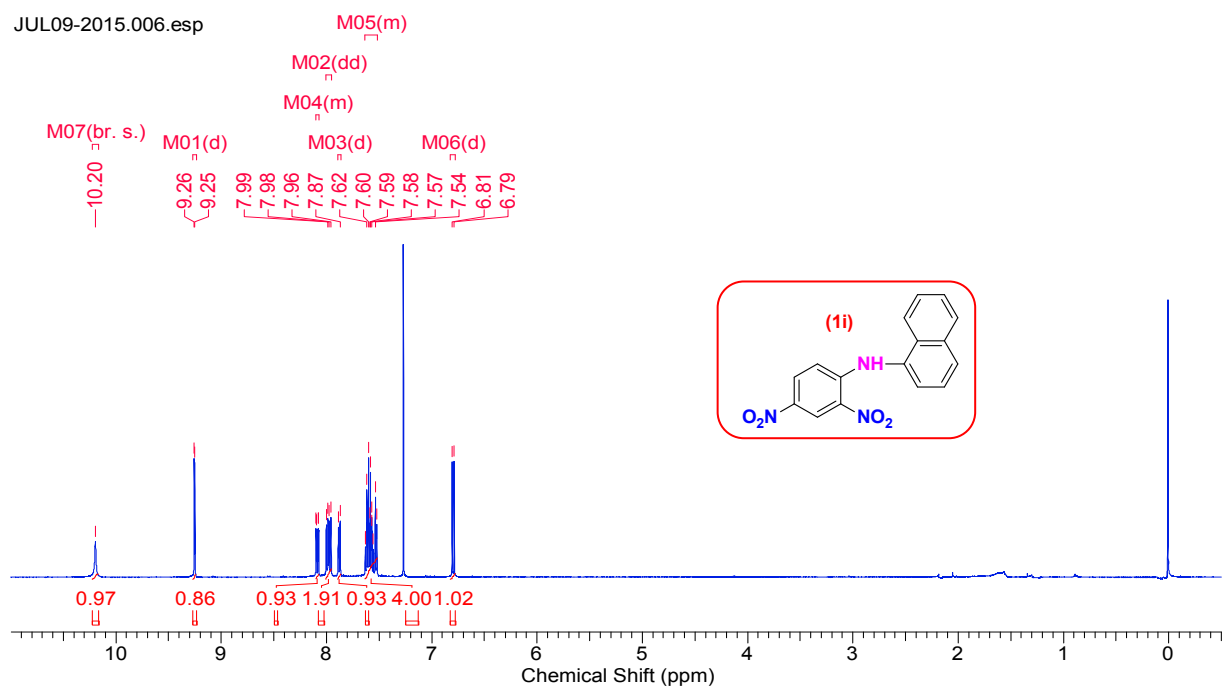
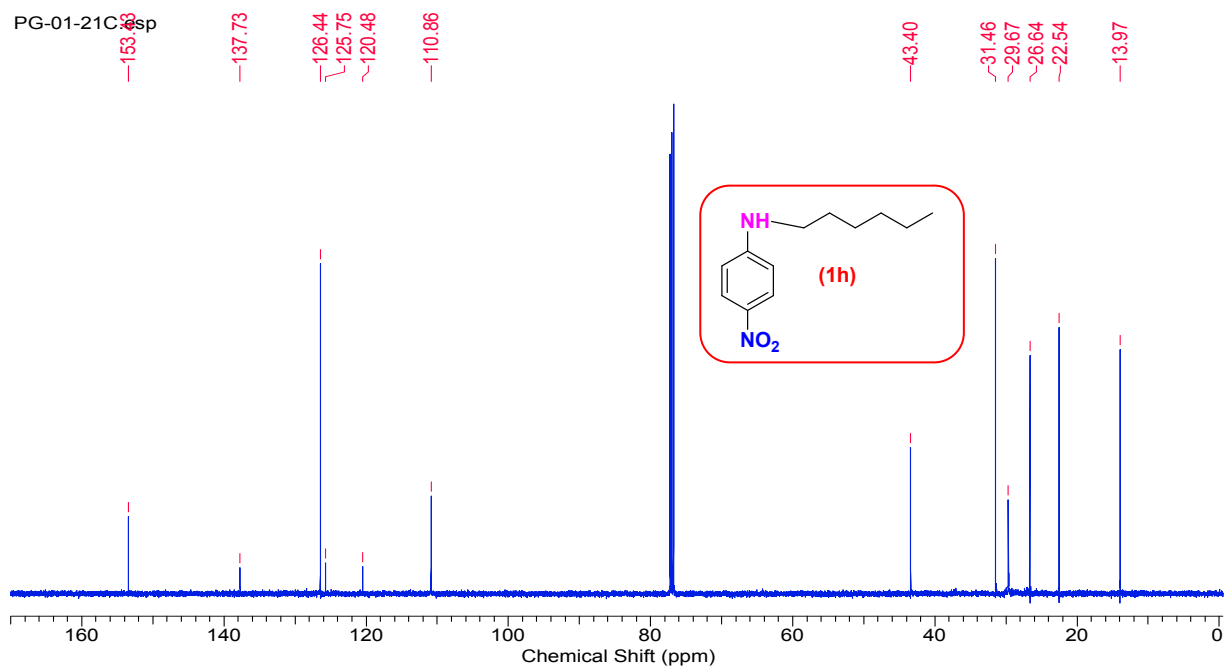
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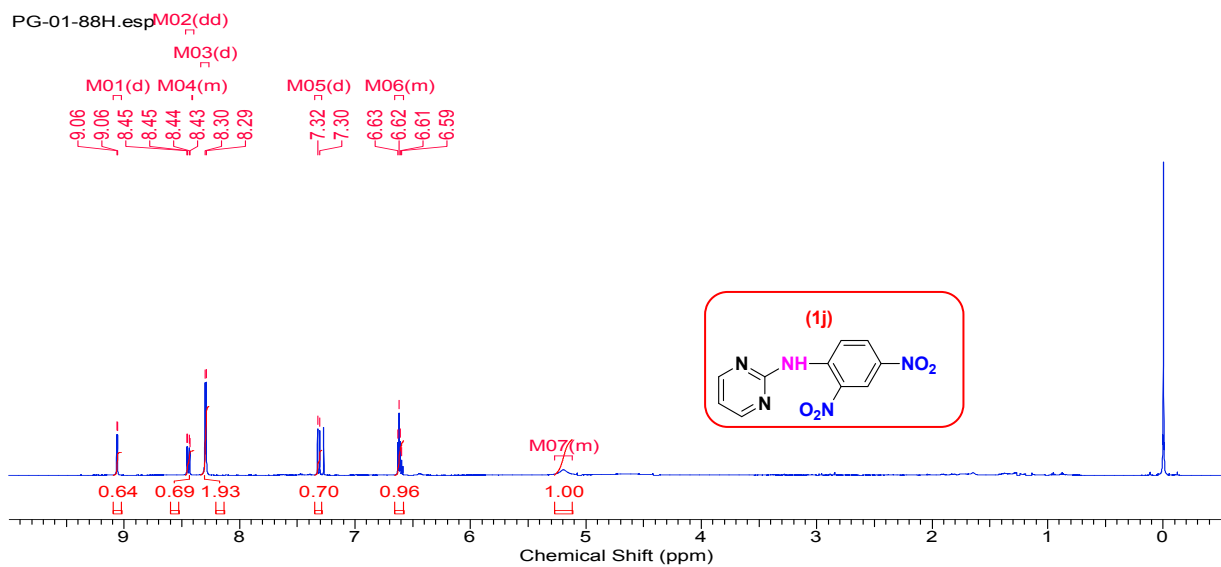
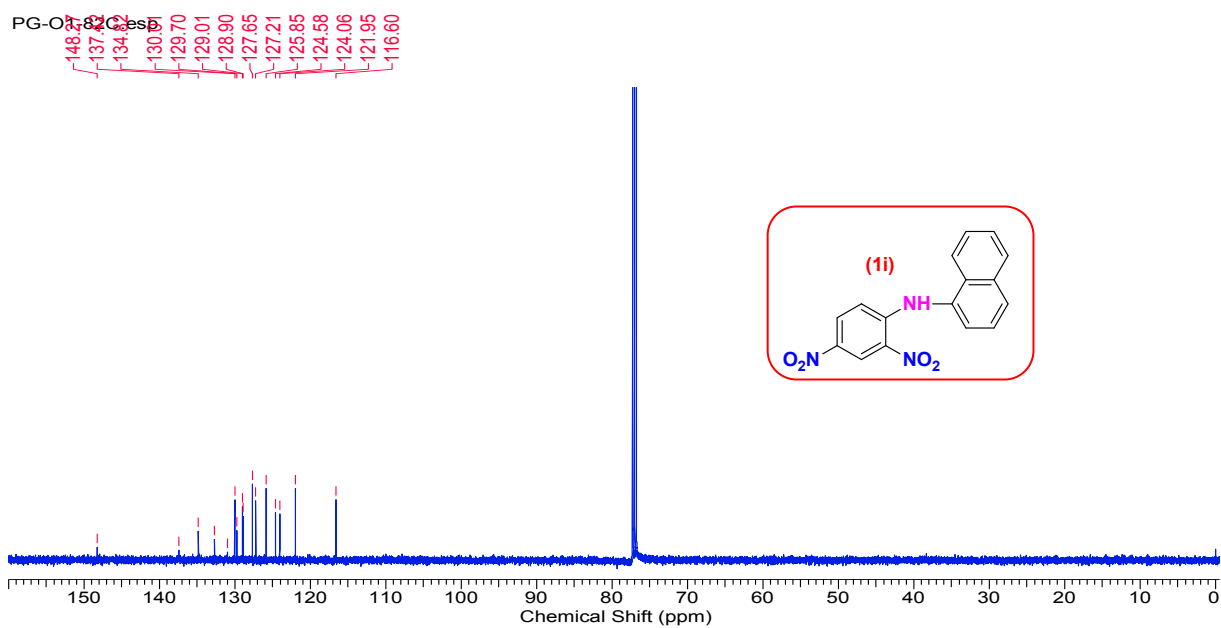


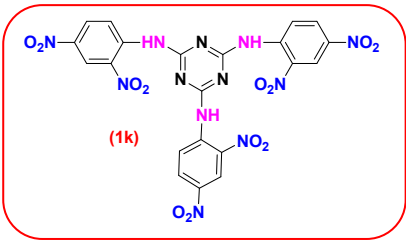
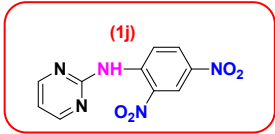
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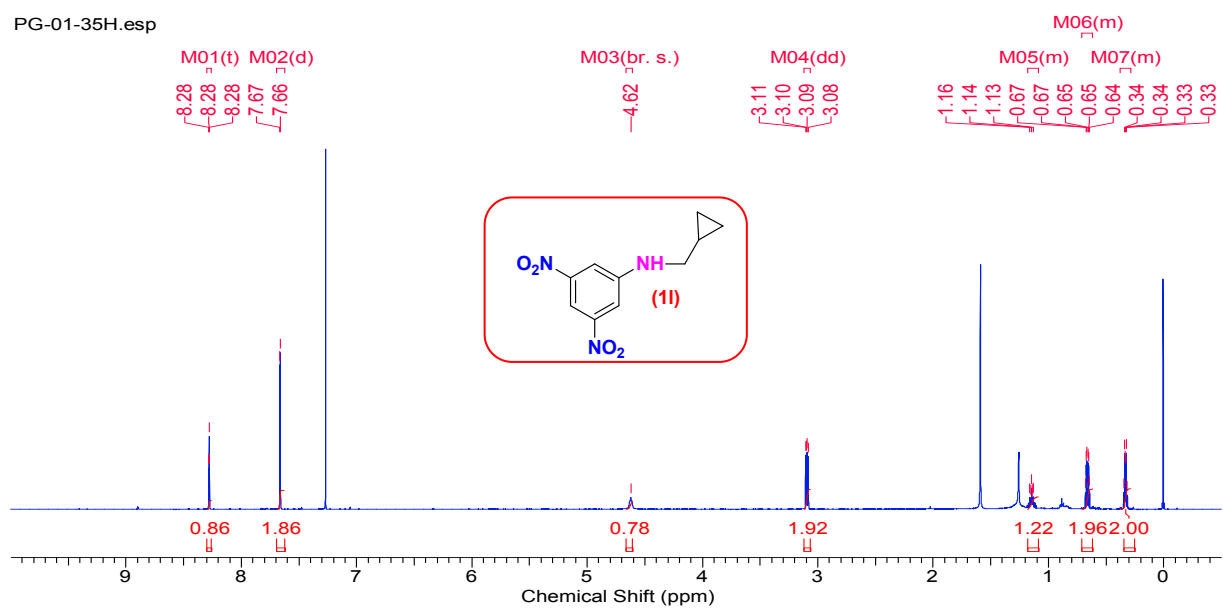
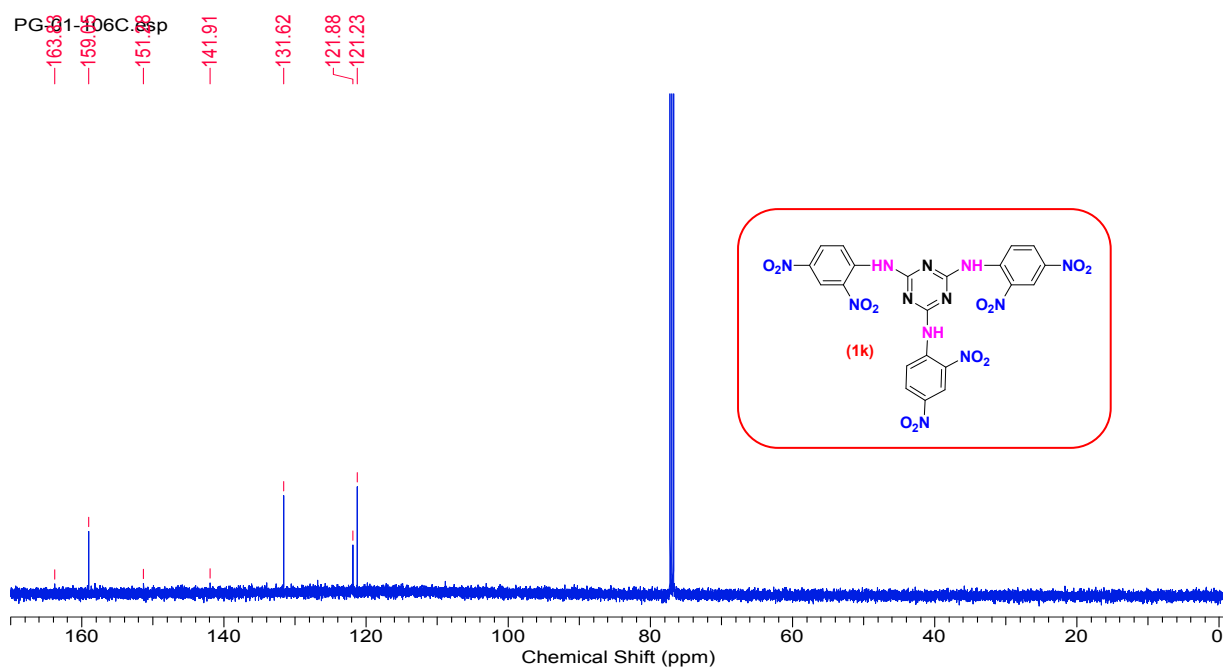




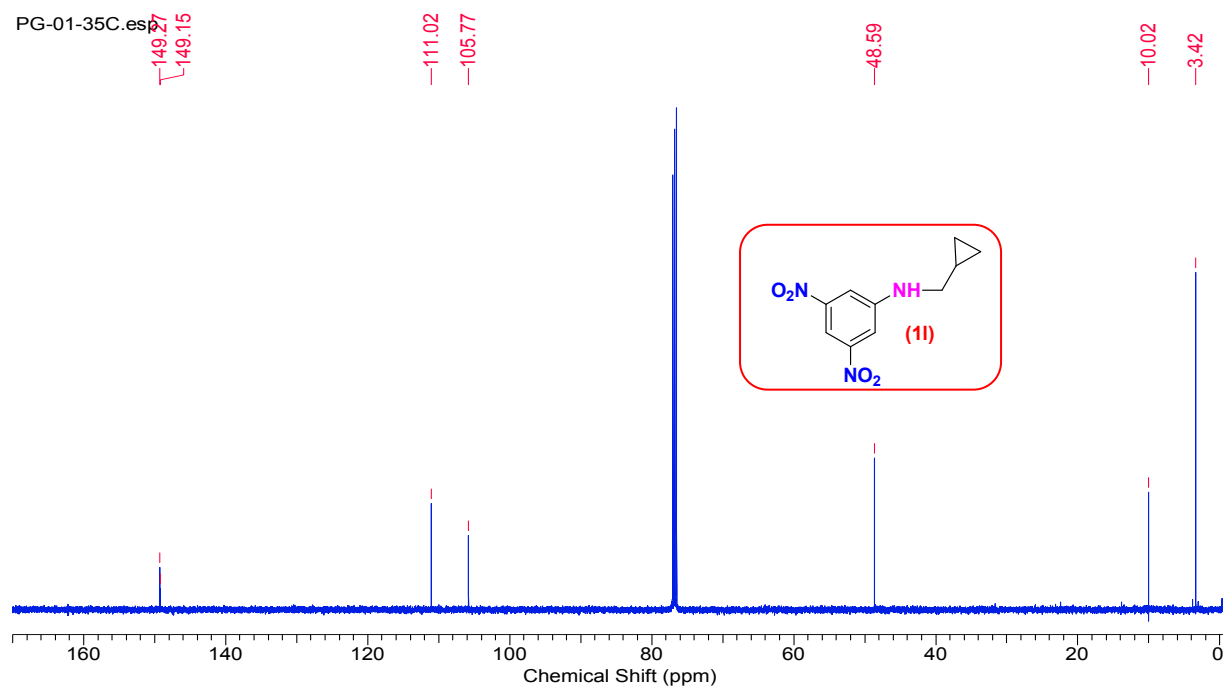








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