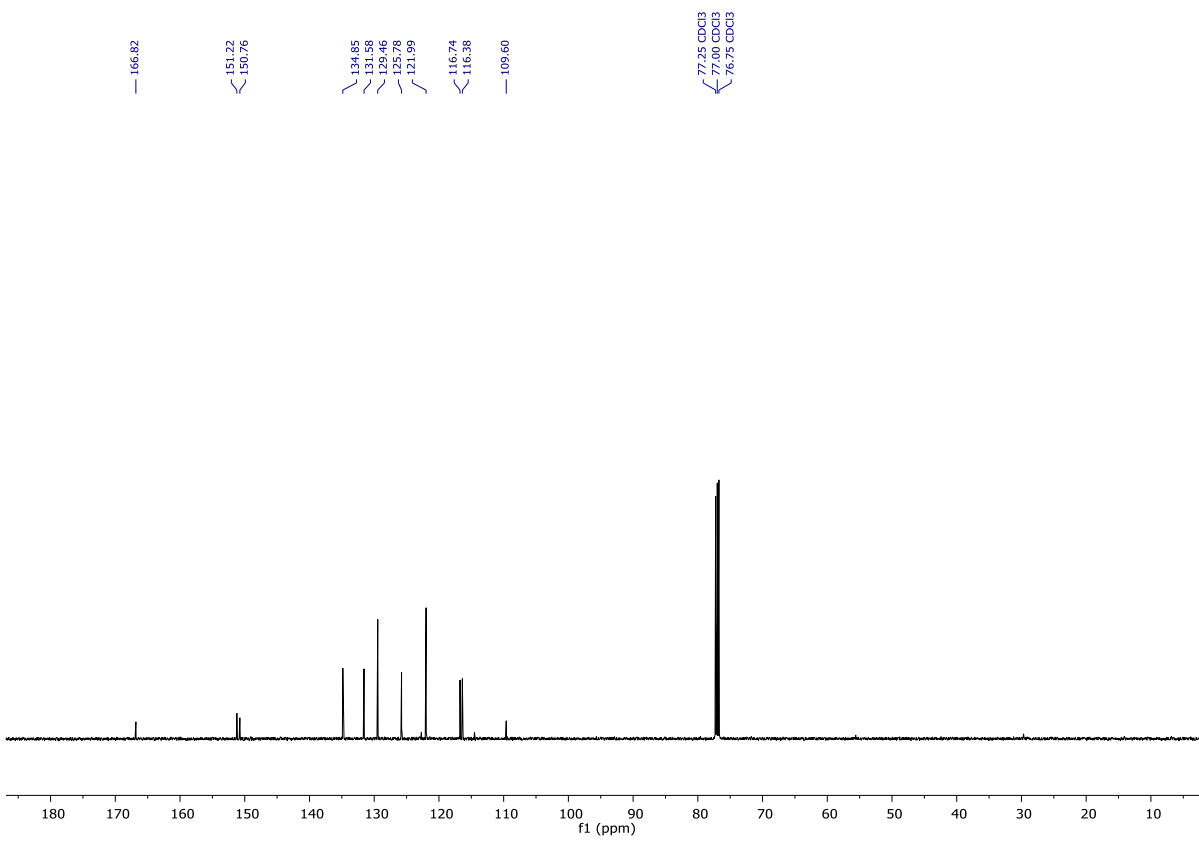
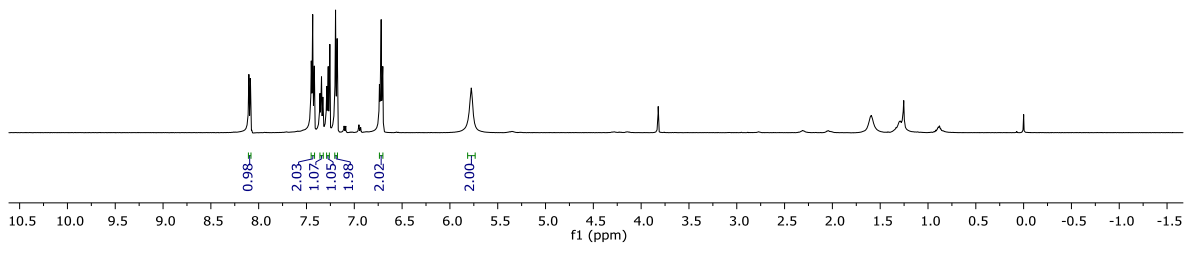
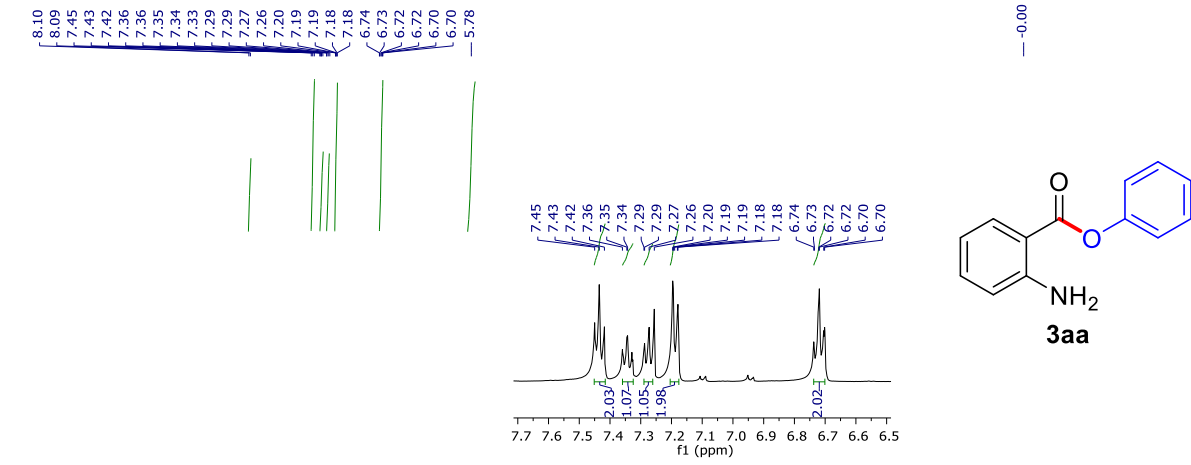


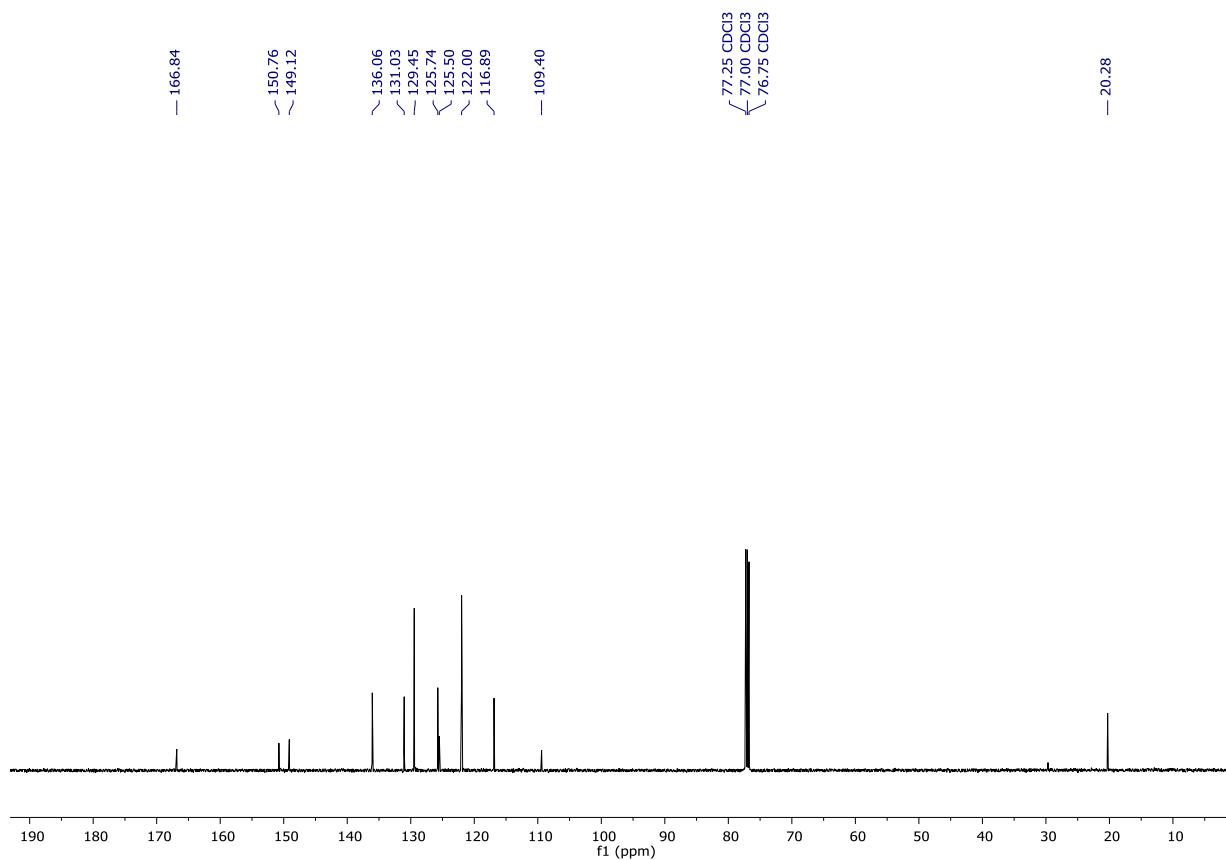
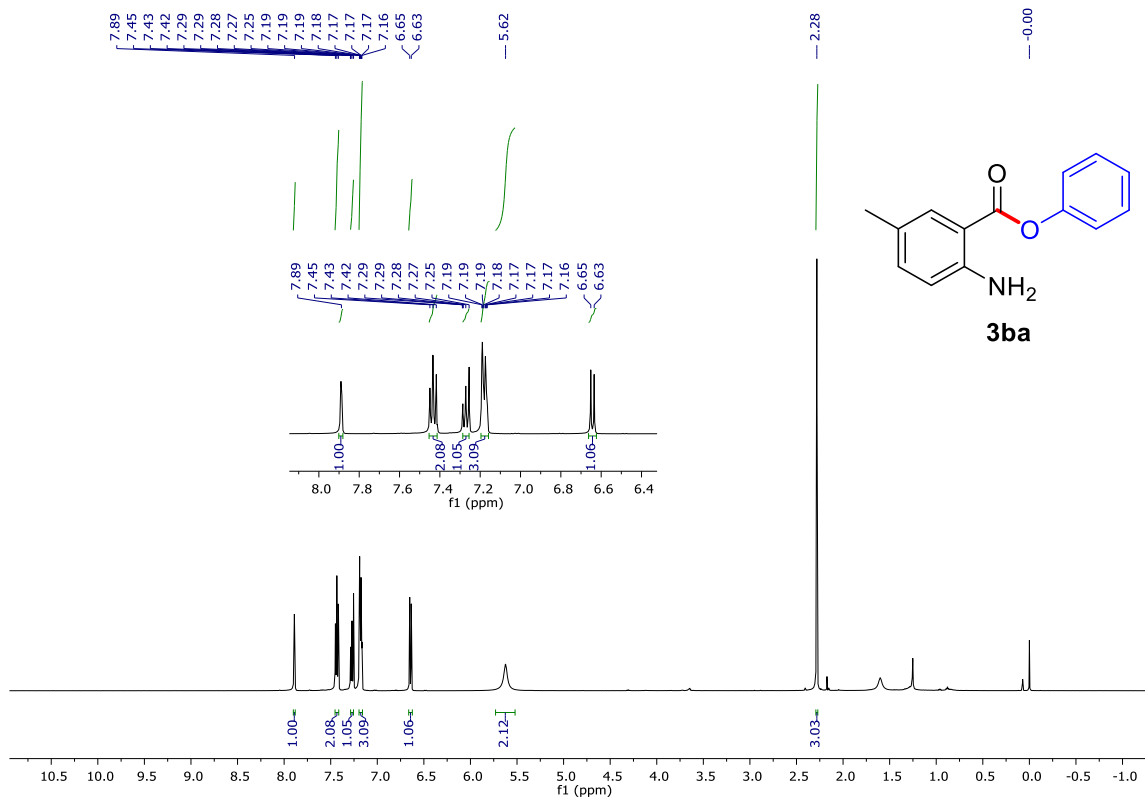
Ruthenium(II)-Catalyzed Decarbonylative and Decarboxylative Coupling of Isatoic Anhydrides with Salicylaldehydes: Access to Aryl 2-Aminobenzoates

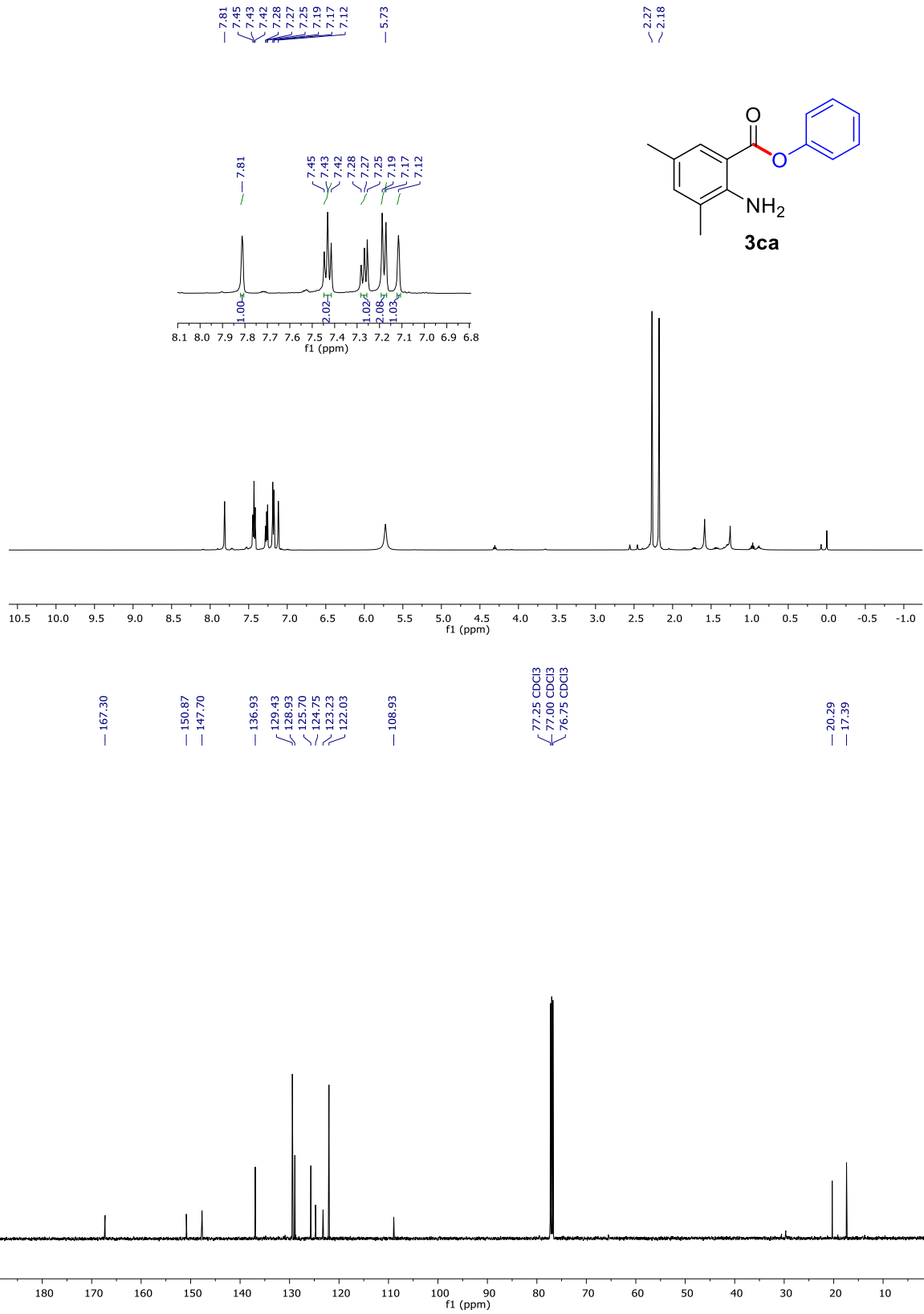
Bidisha R. Bora, Rashmi Prakash, Sabera Sultana and Sanjib Gogoi*

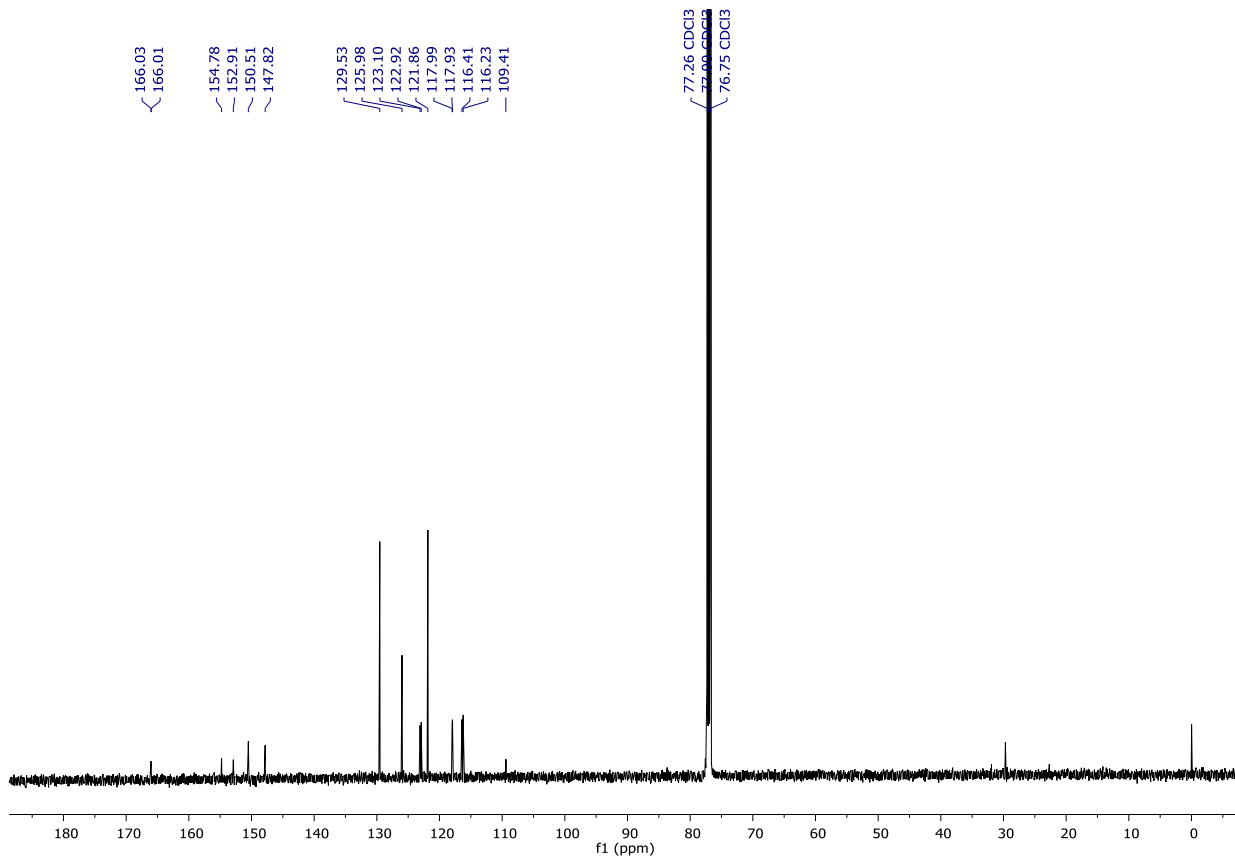
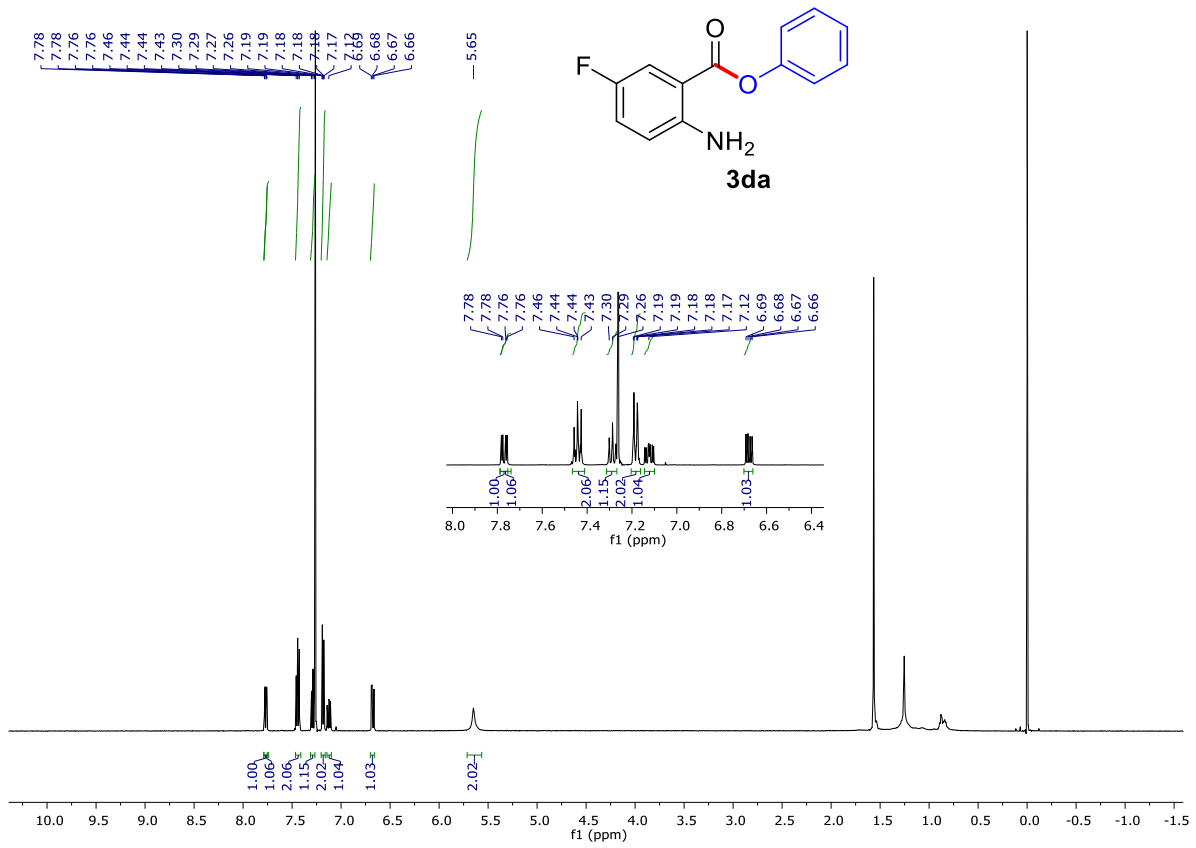
†Applied Organic Chemistry, Chemical Sciences & Technology Division, CSIR-North East
Institute of Science and Technology, Jorhat-785006, AcSIR, Ghaziabad-201002, India

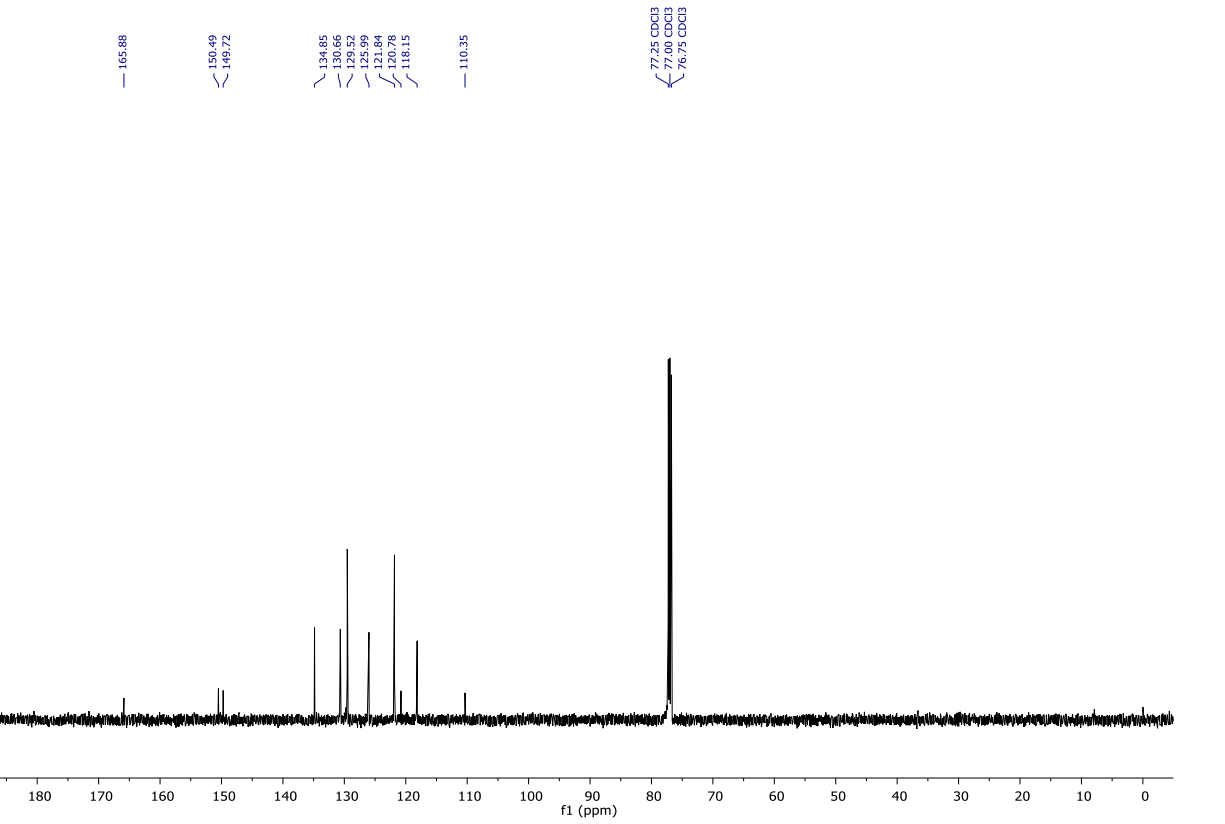
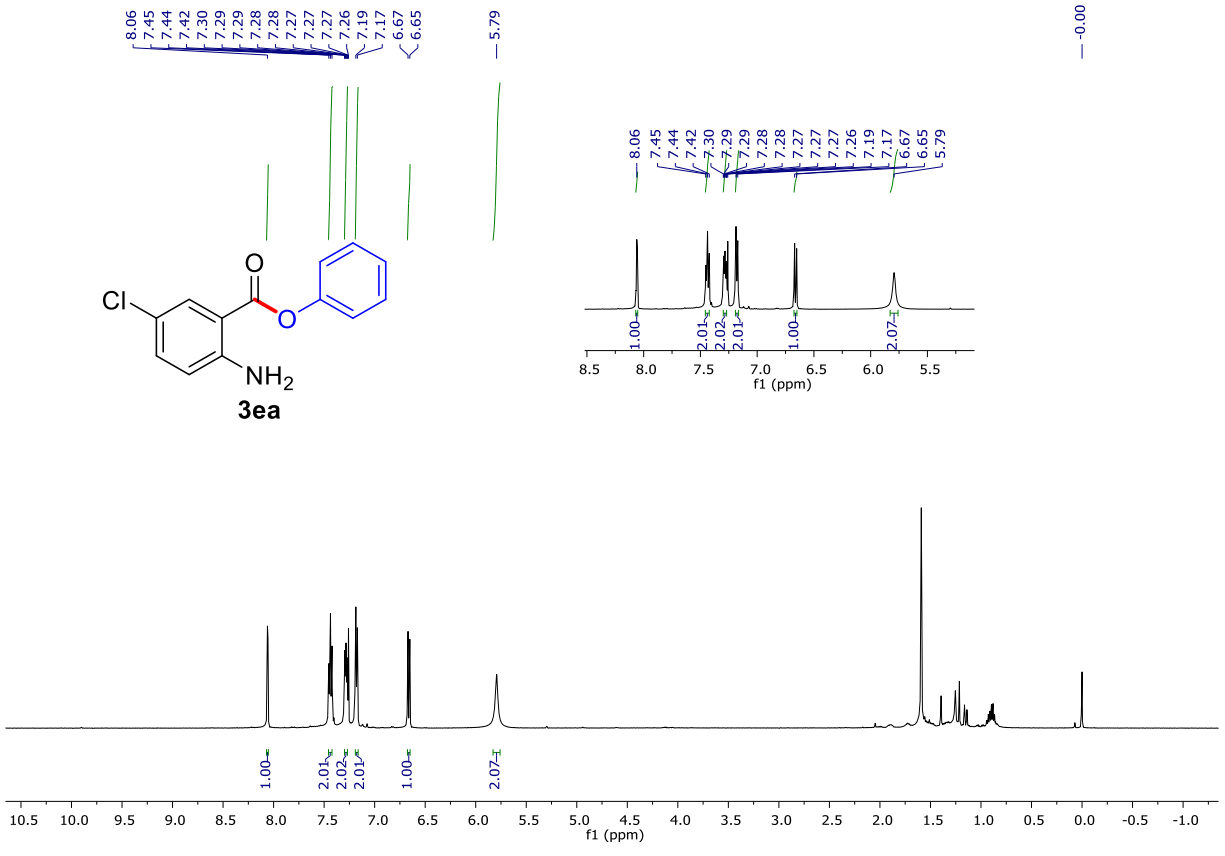
Supporting Information

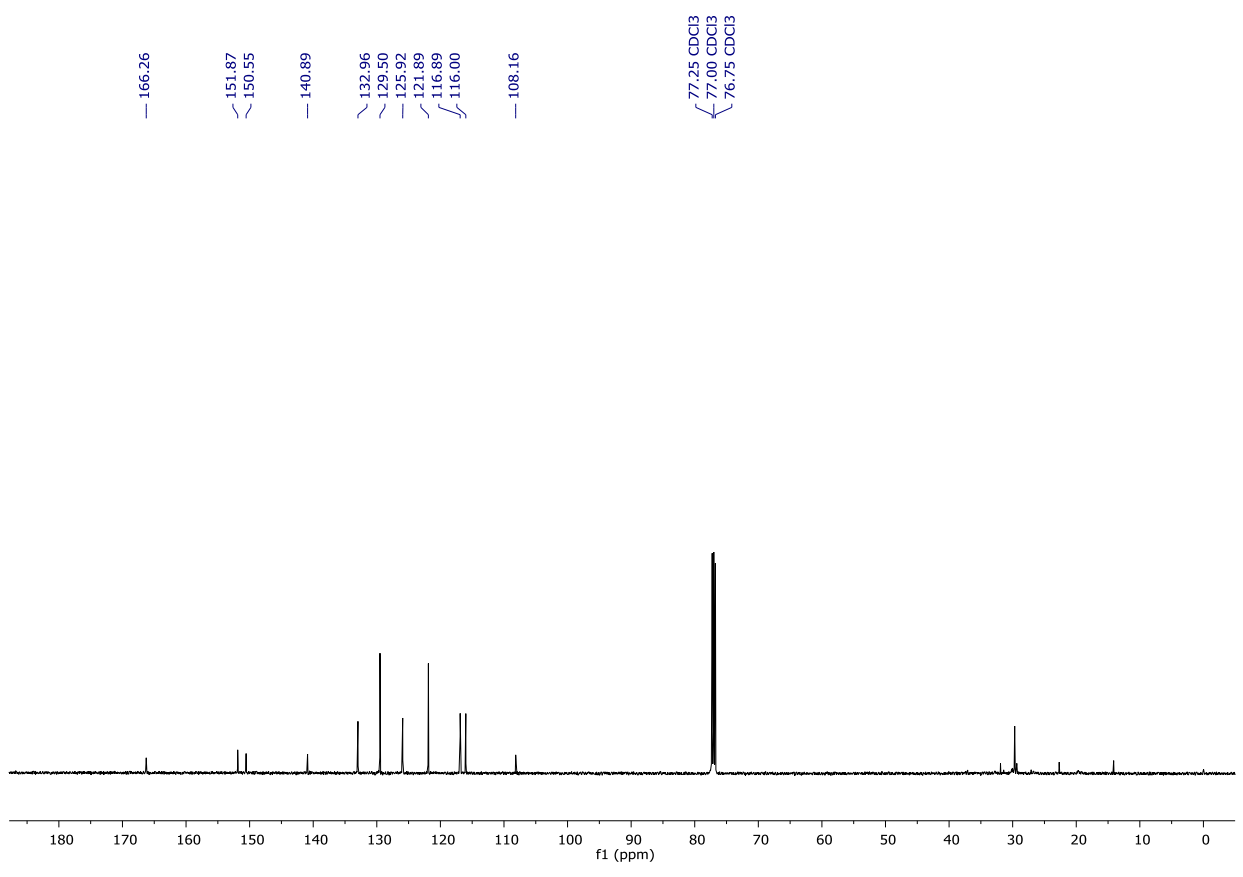
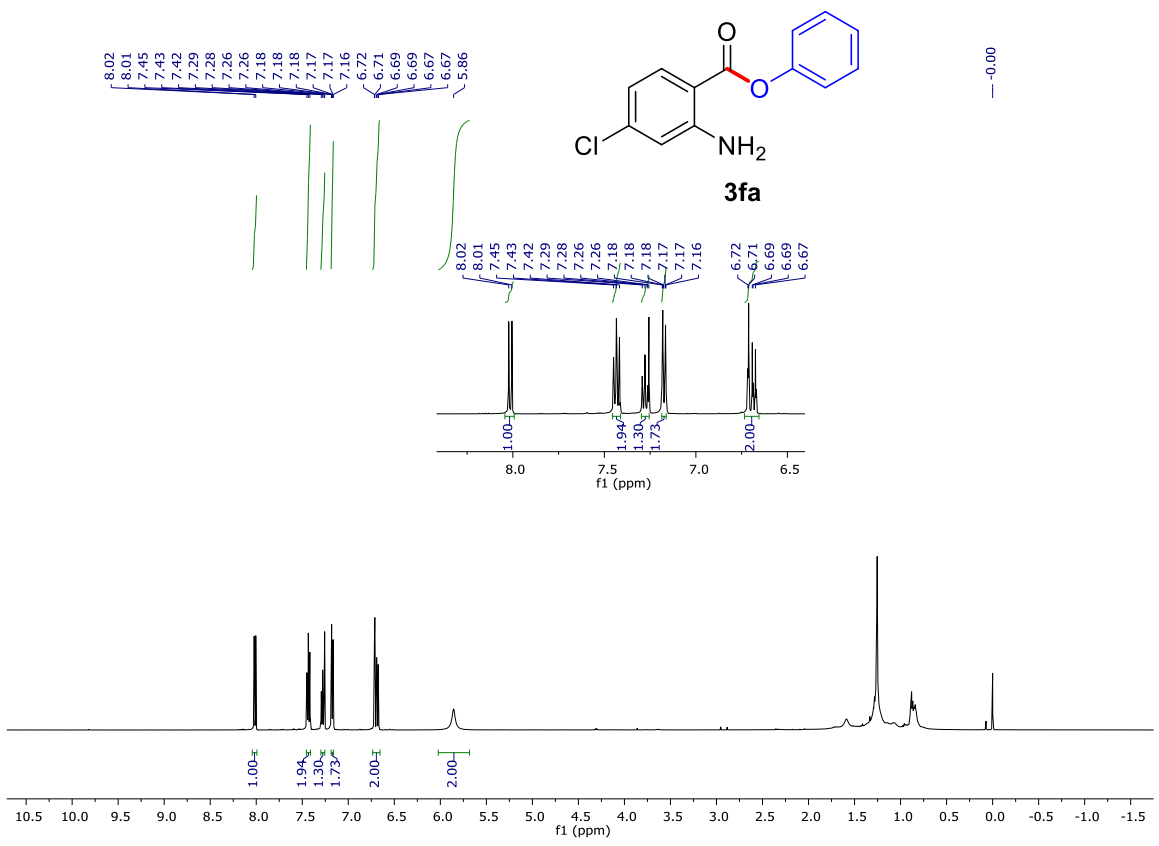


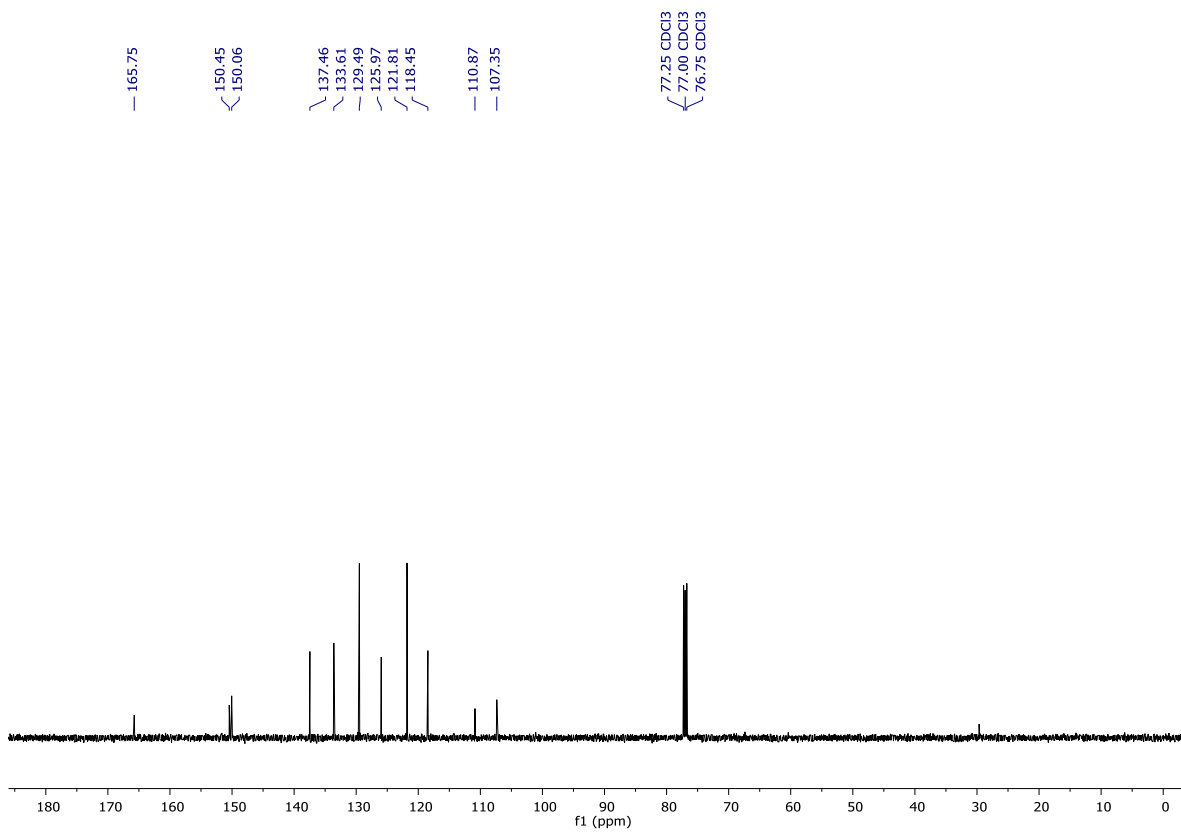
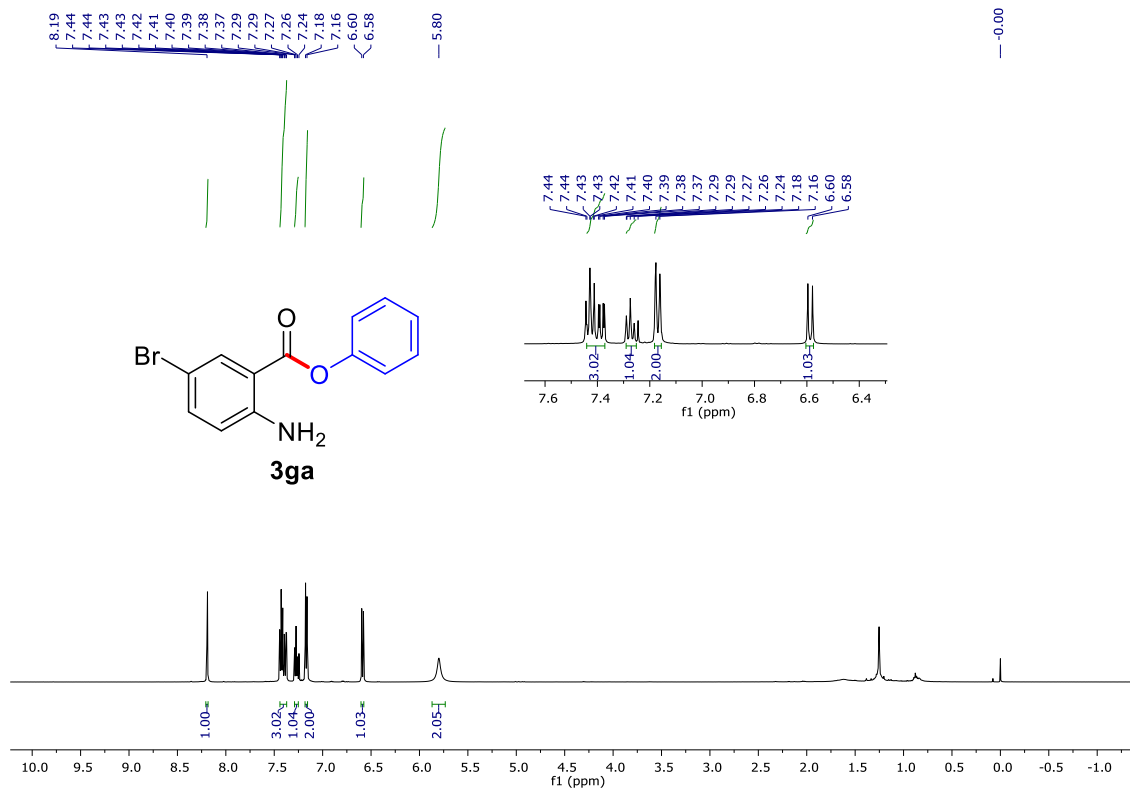


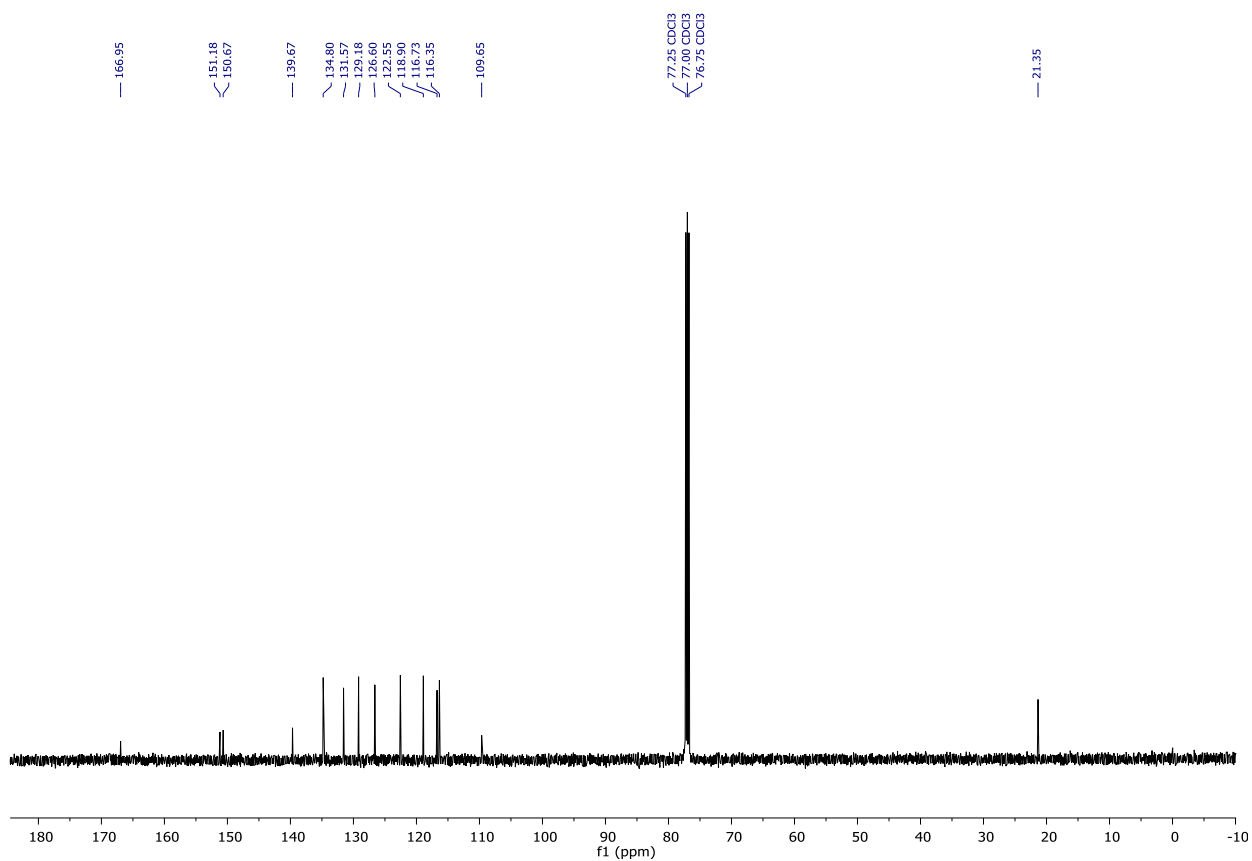
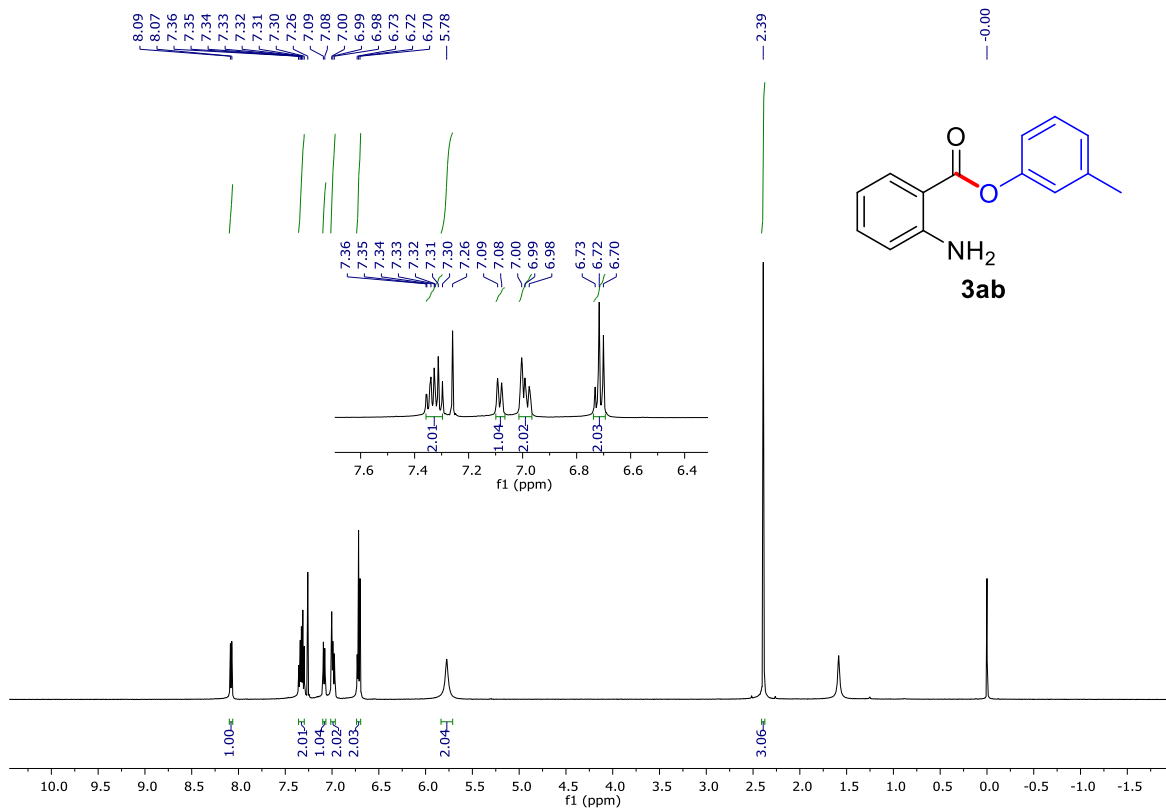


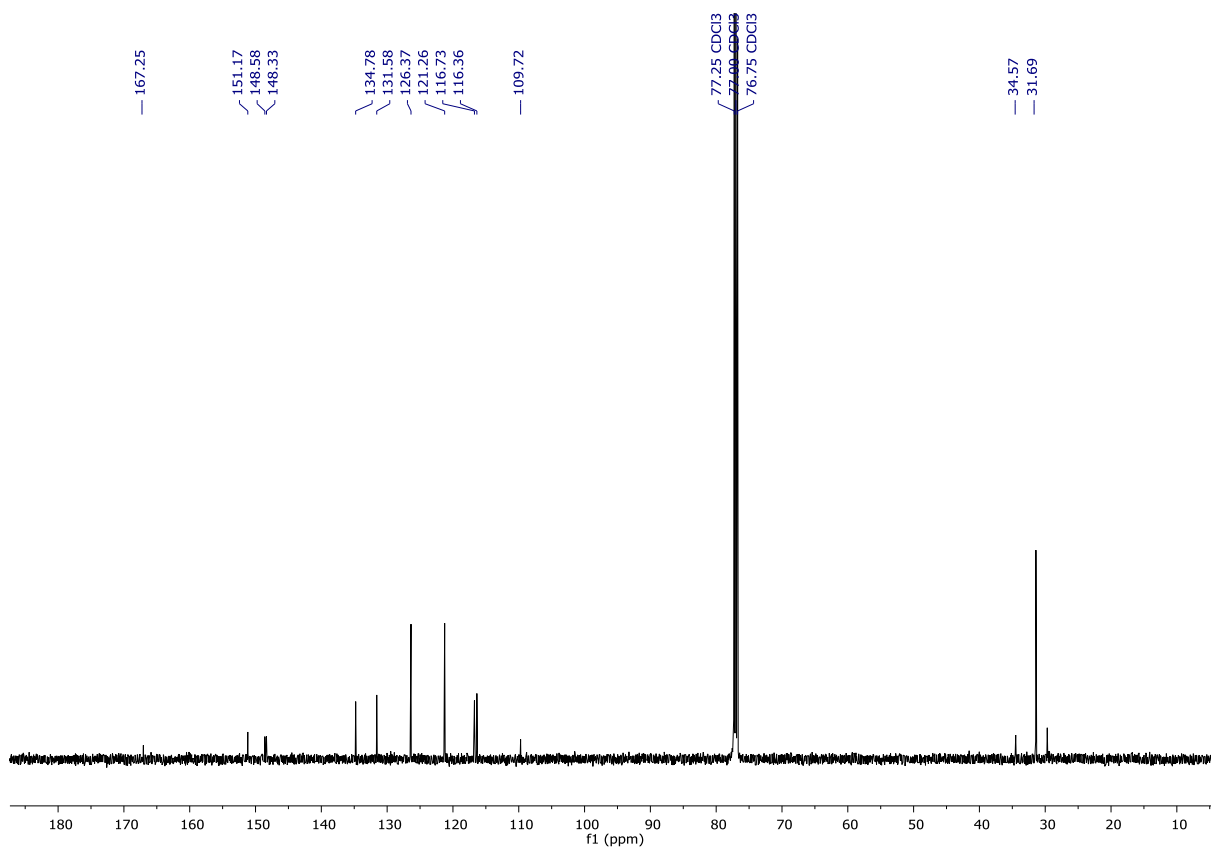
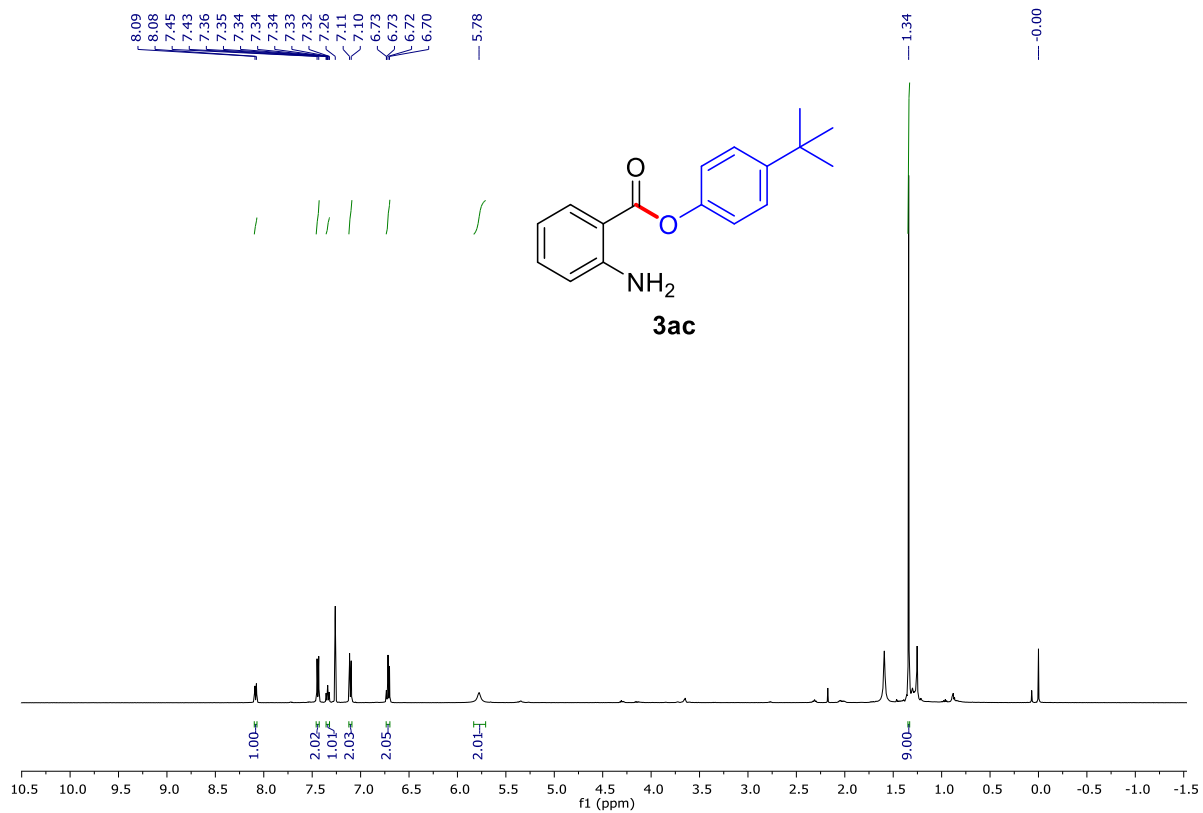


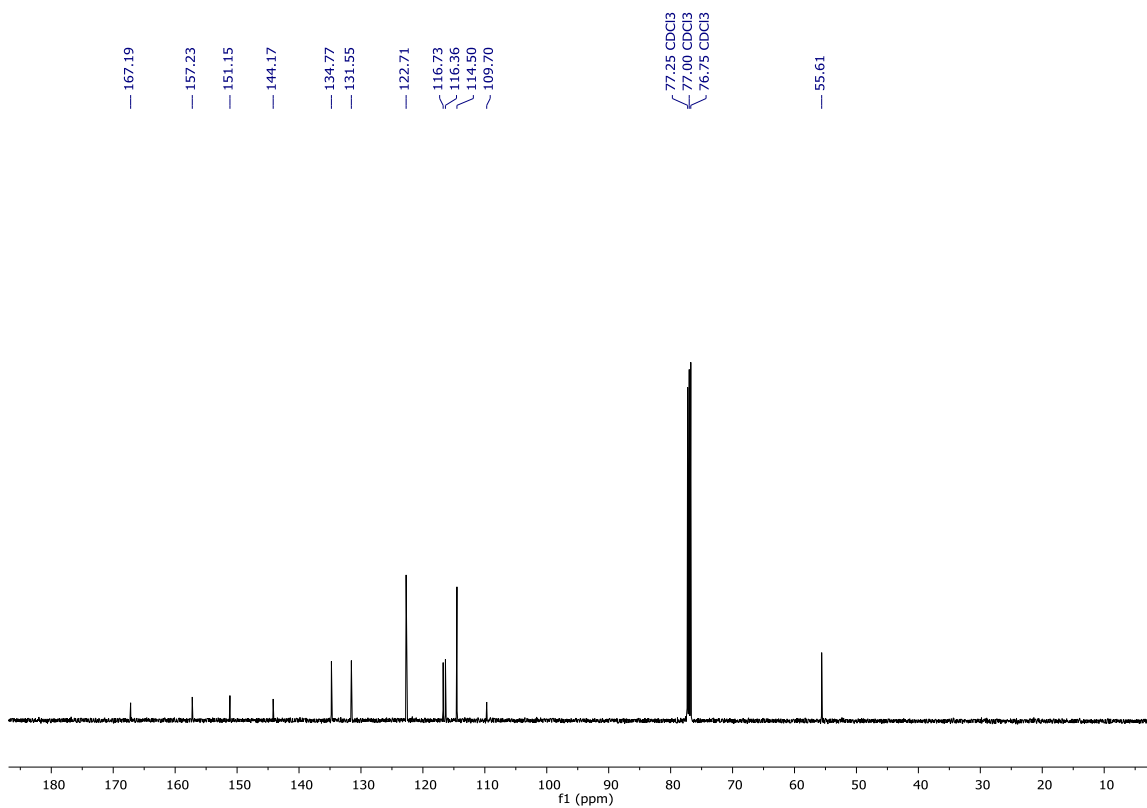
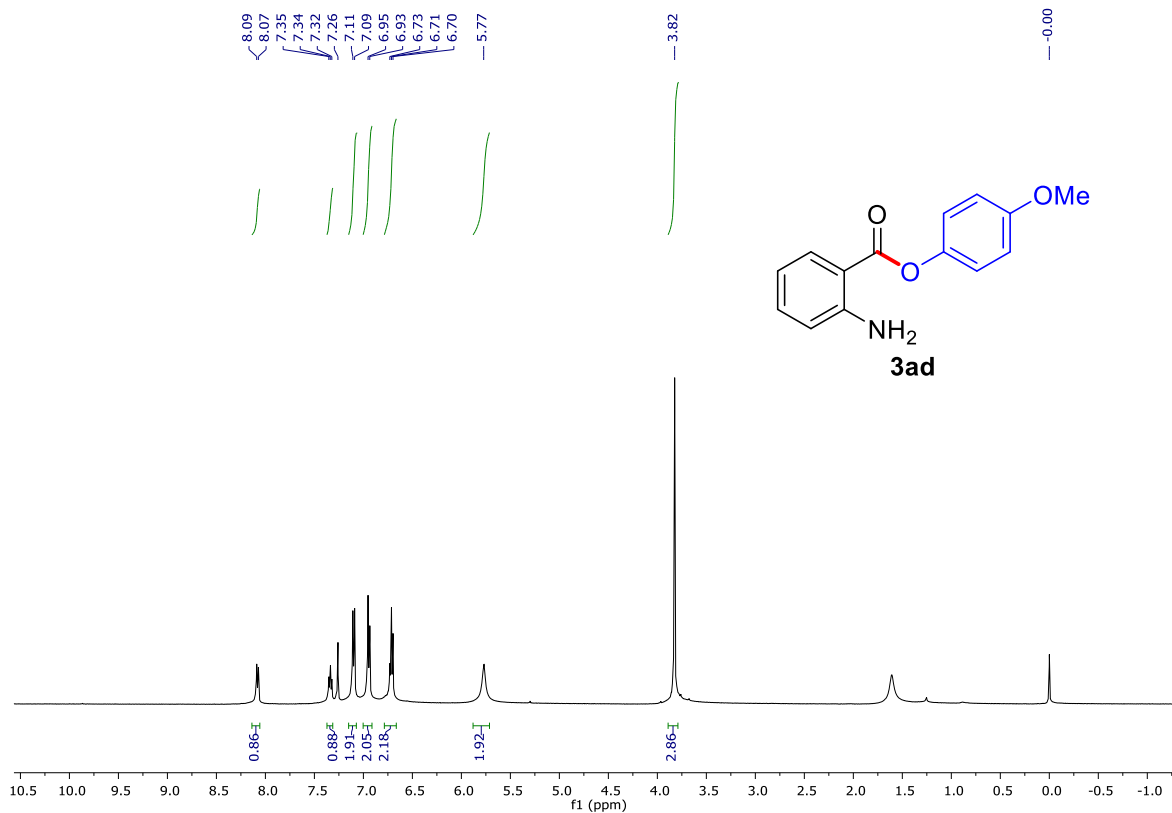


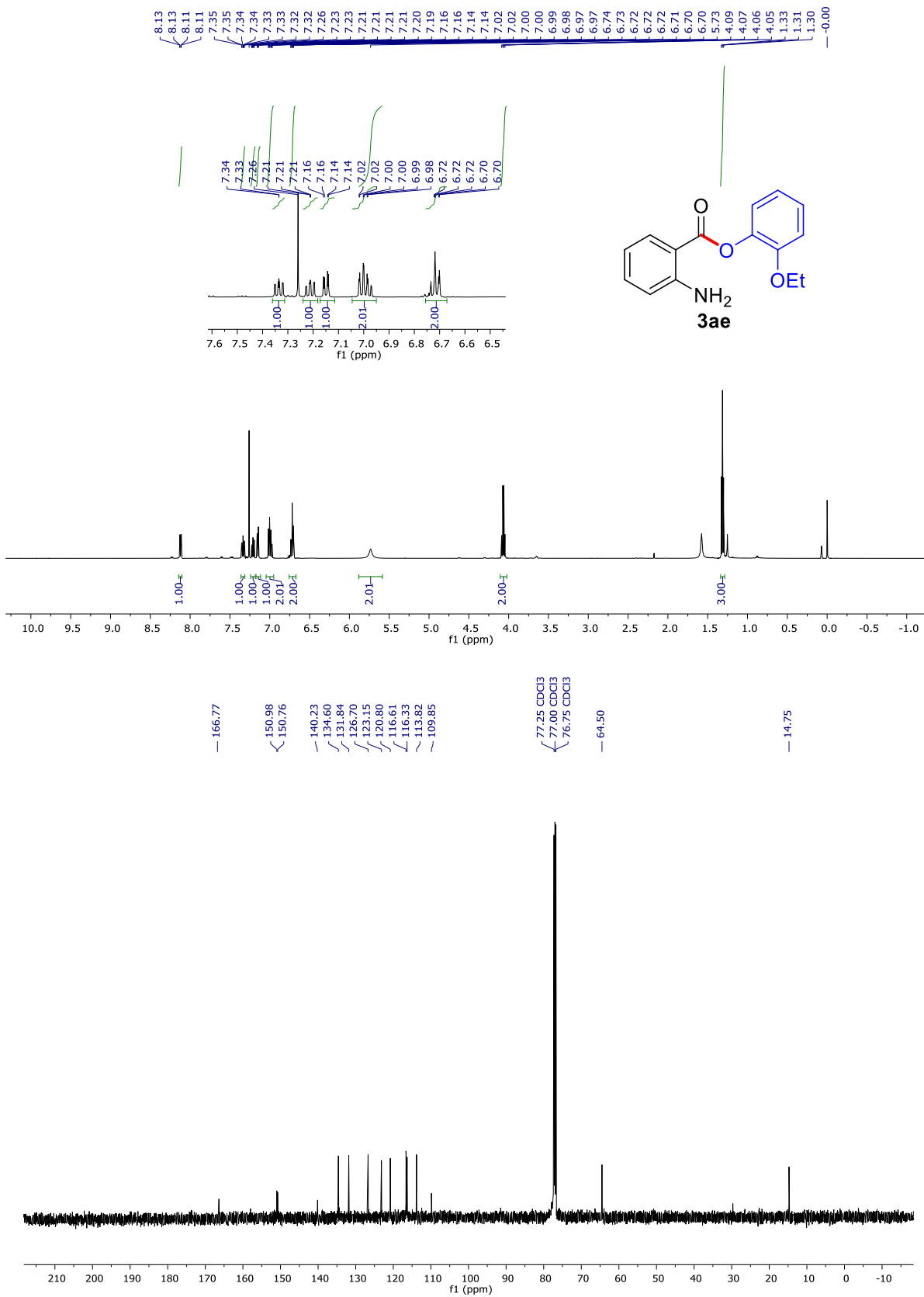


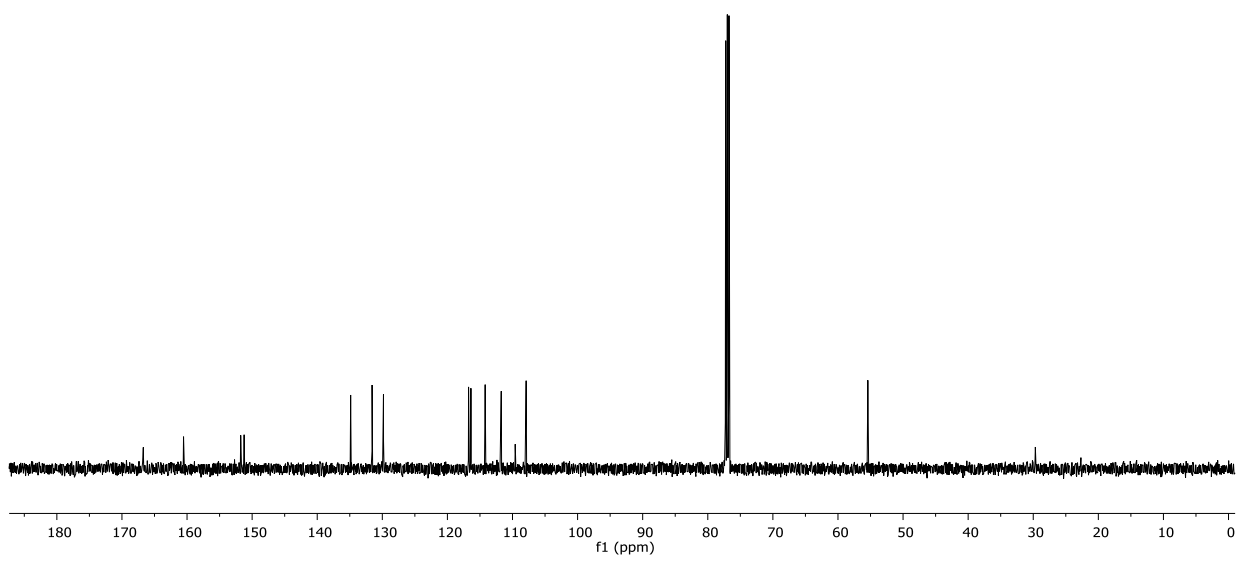
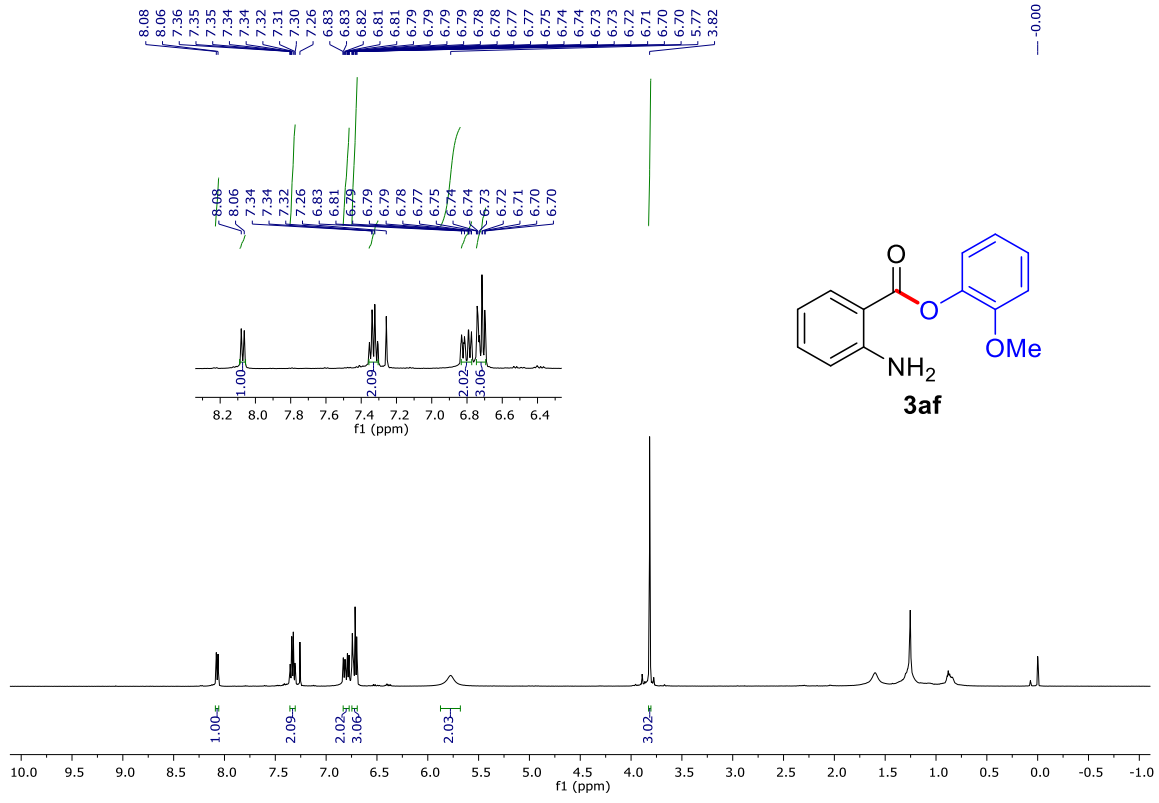


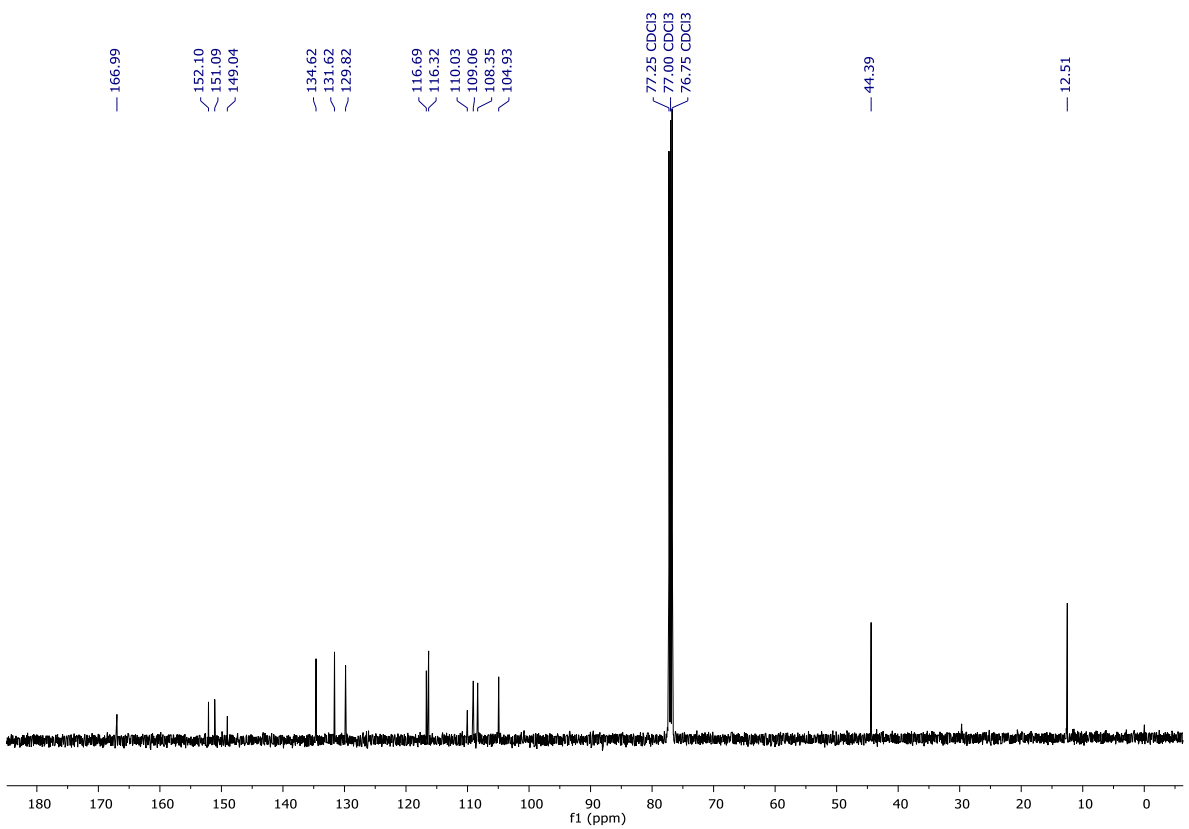
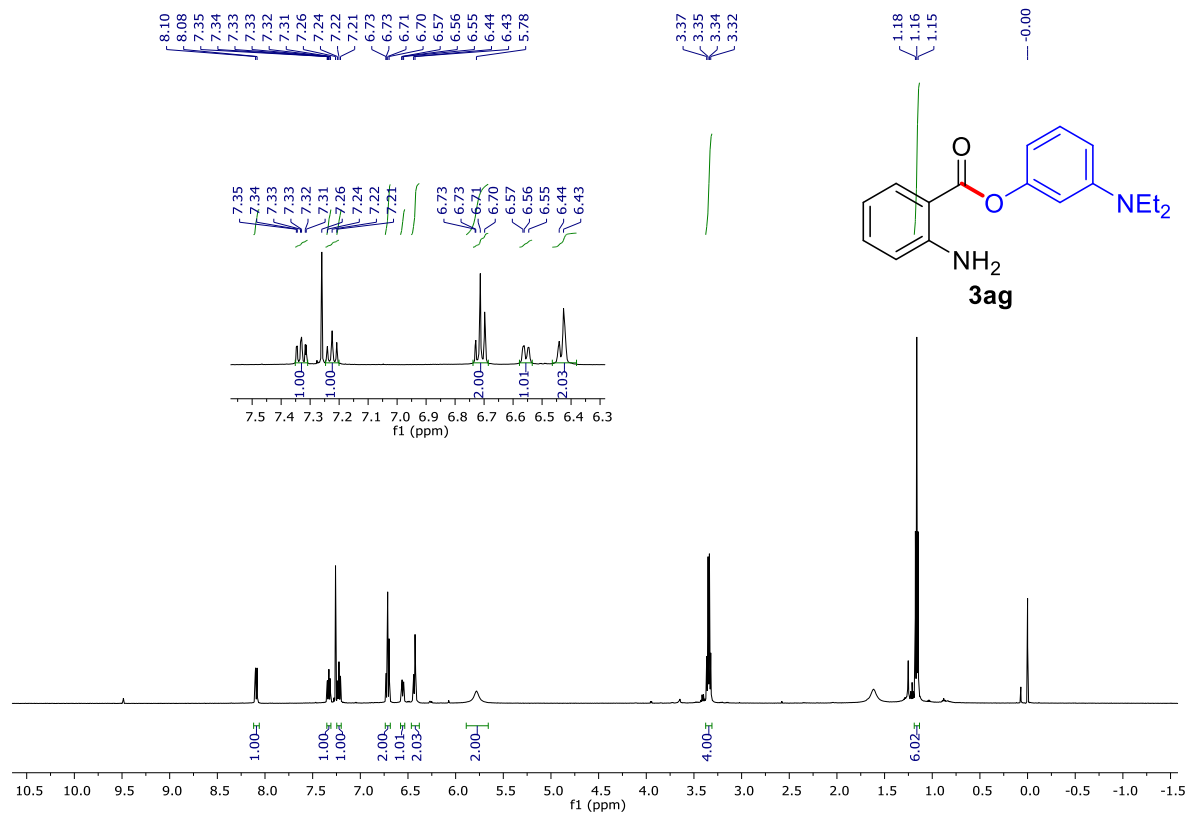


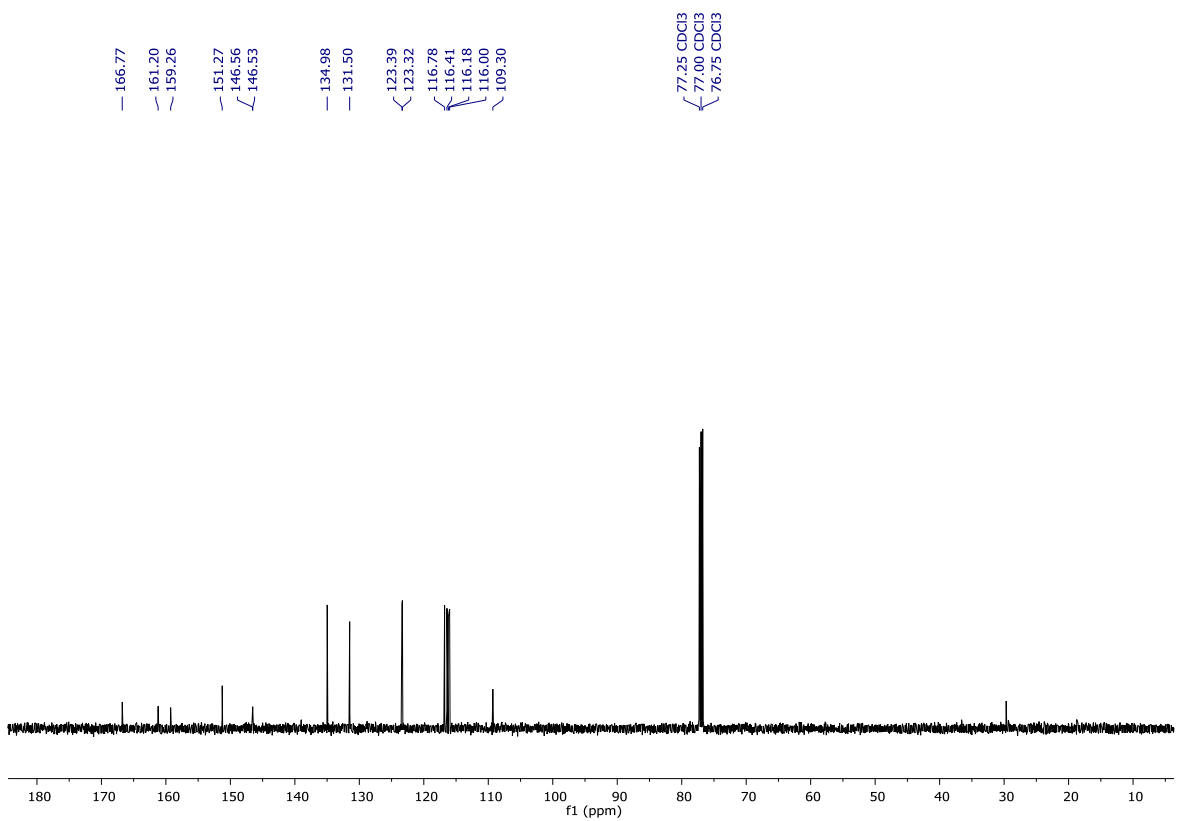
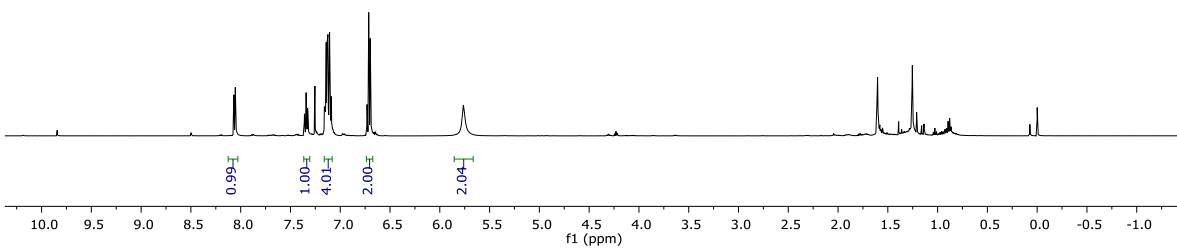
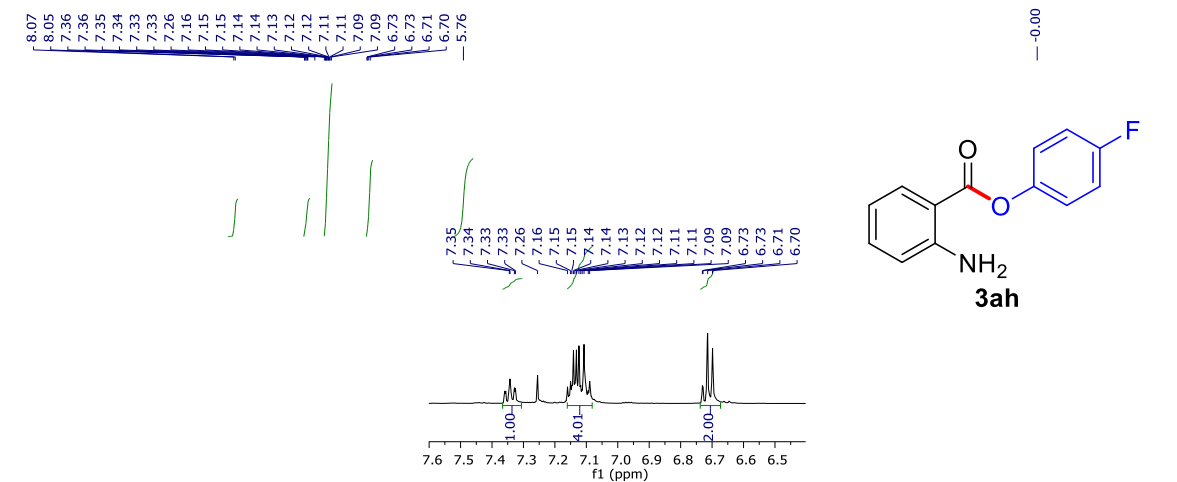


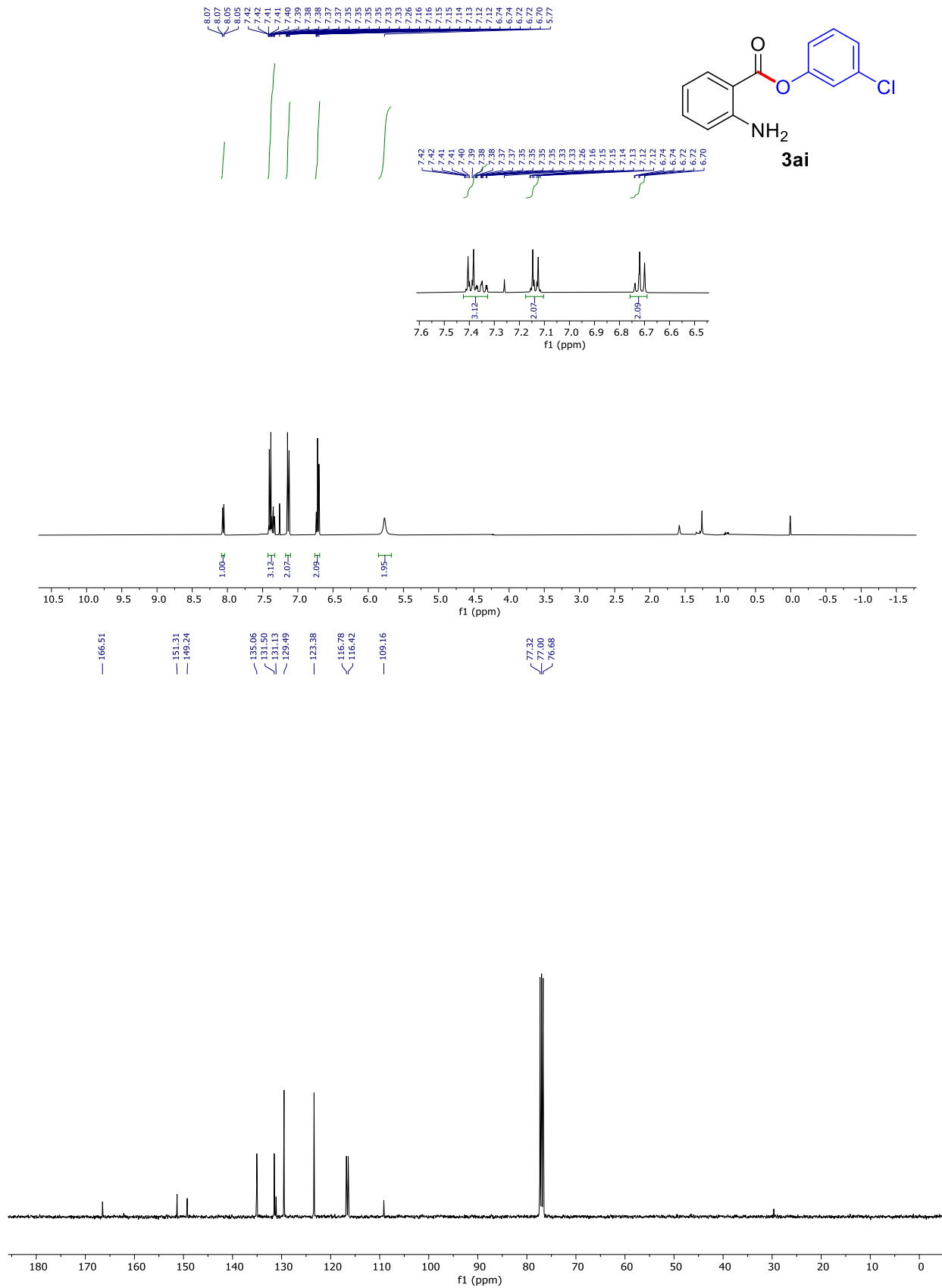


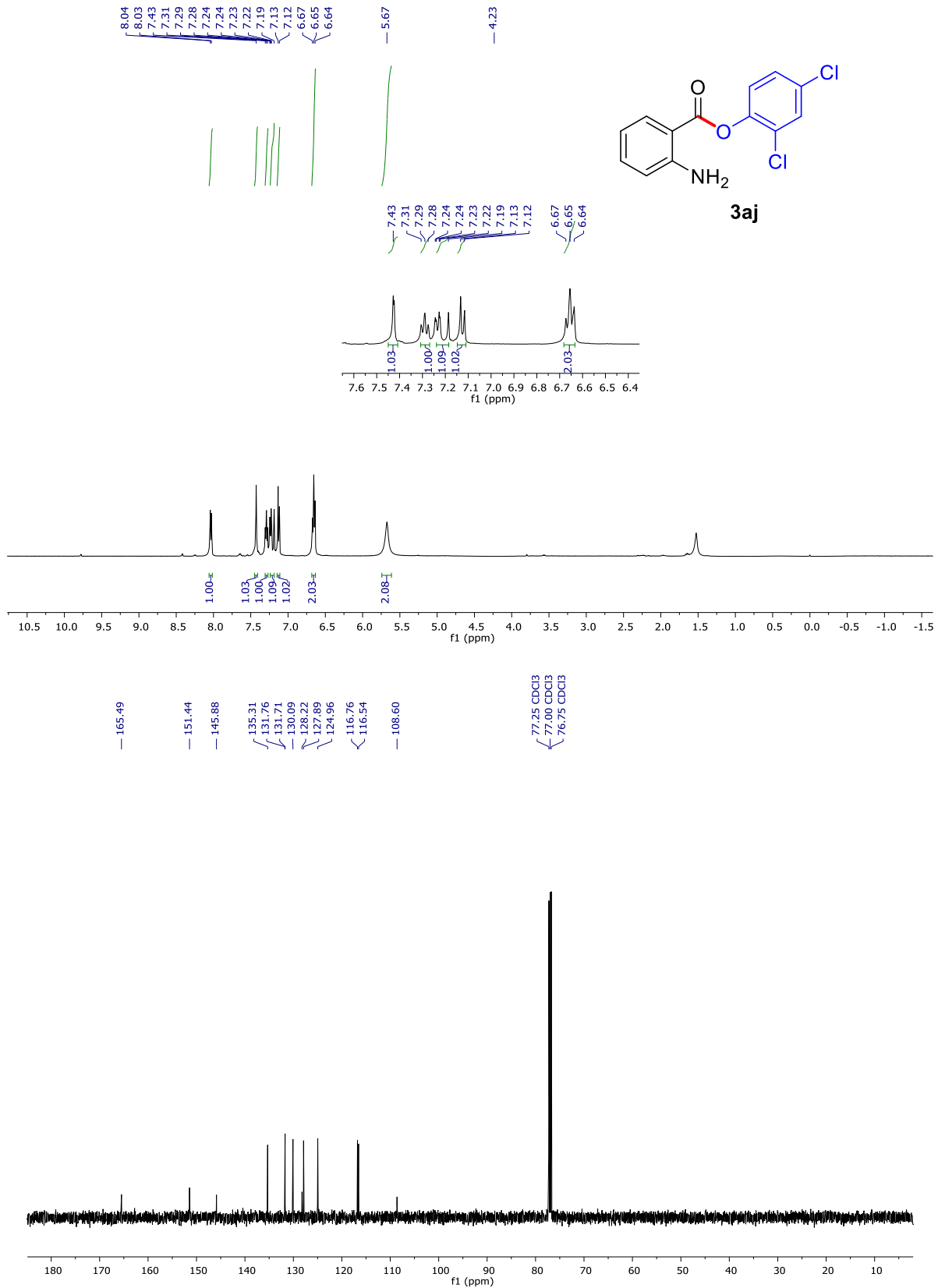


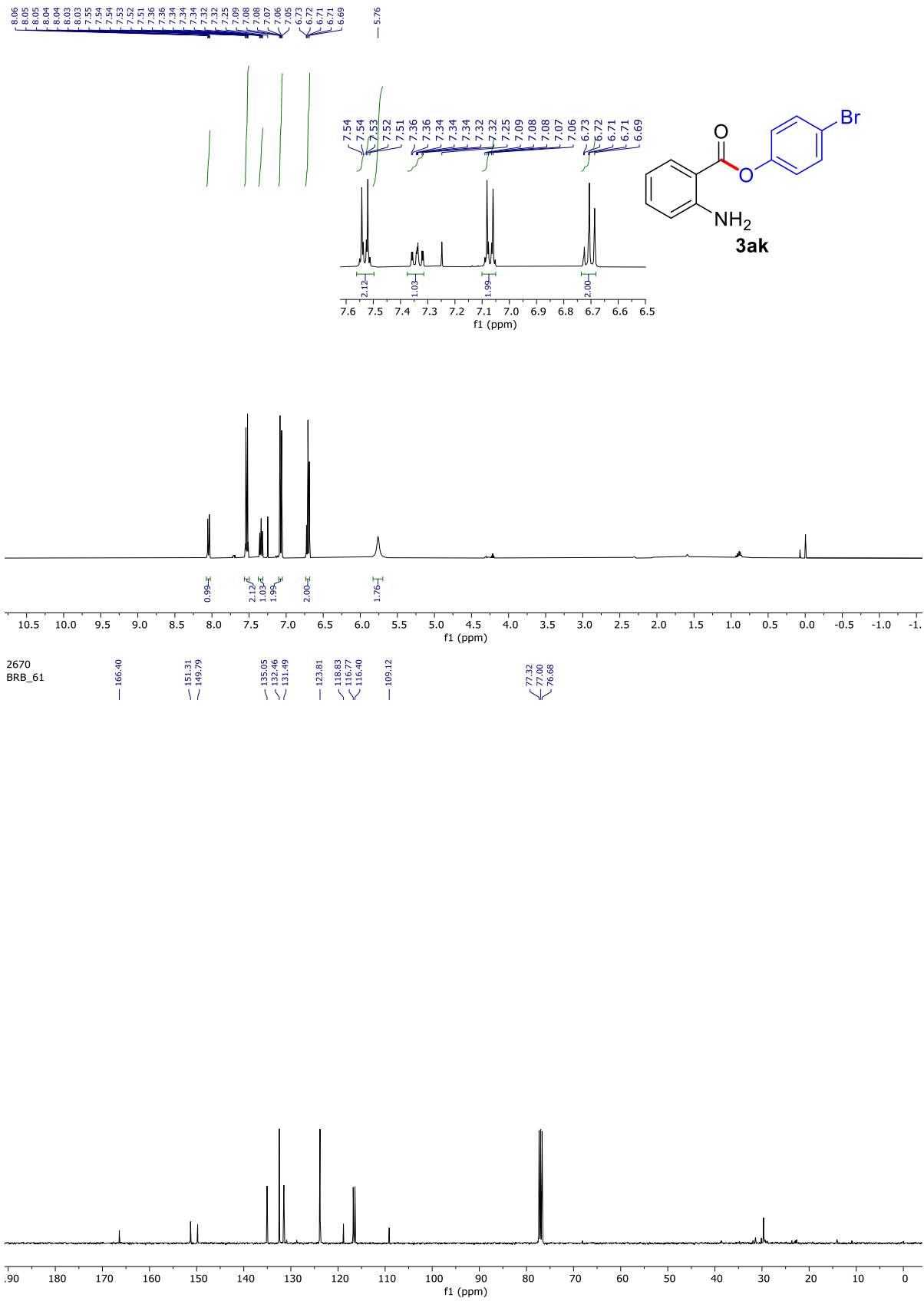


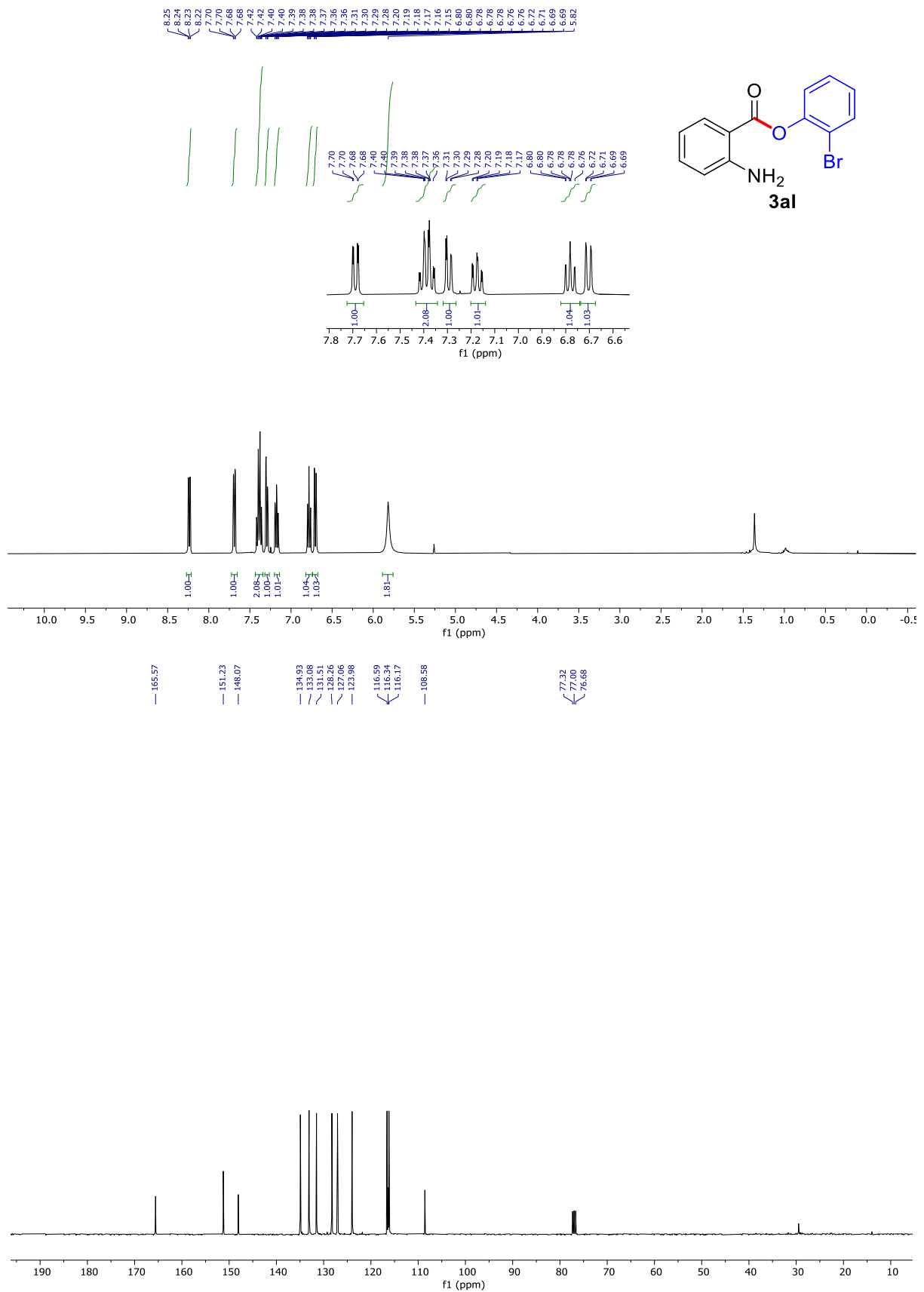


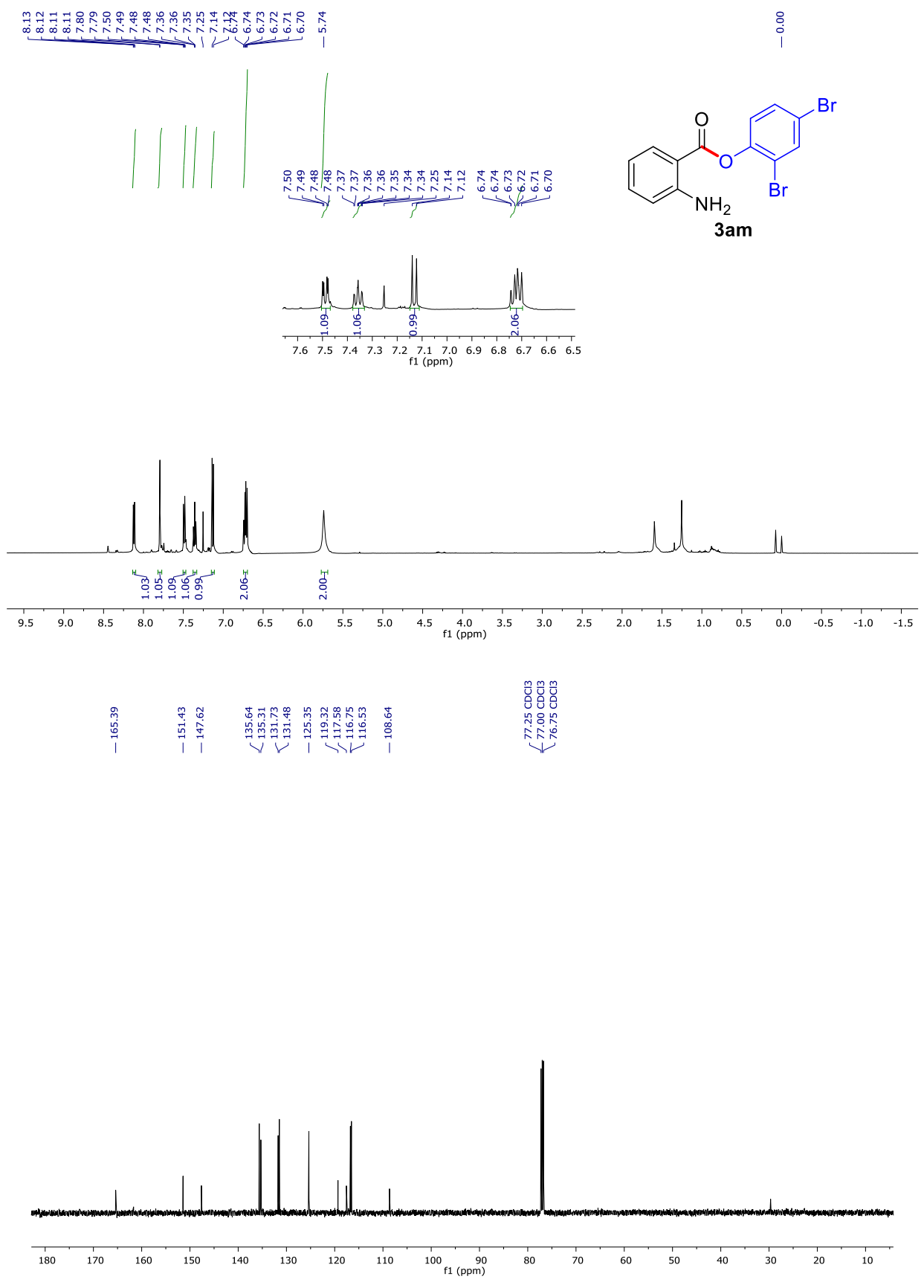


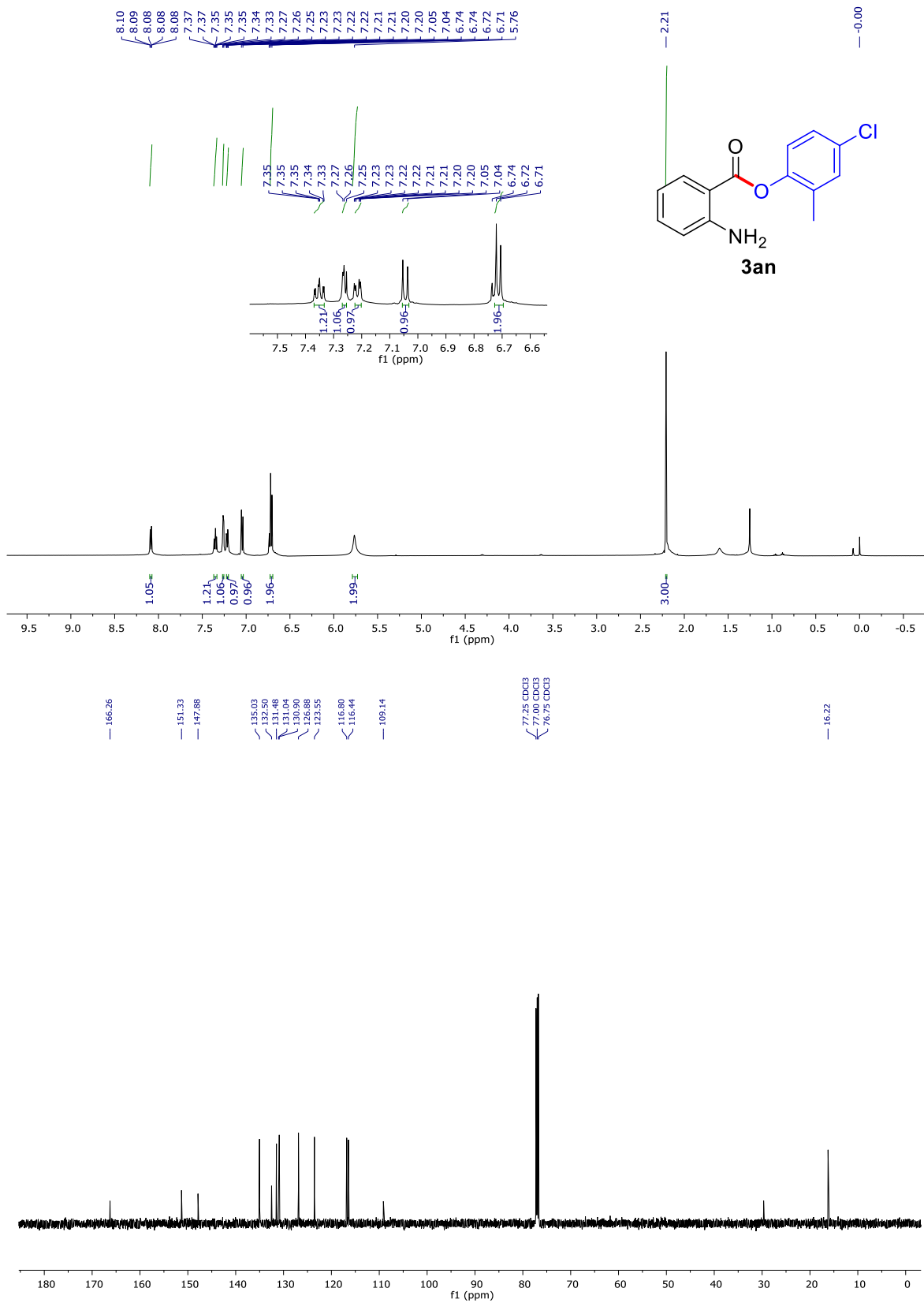


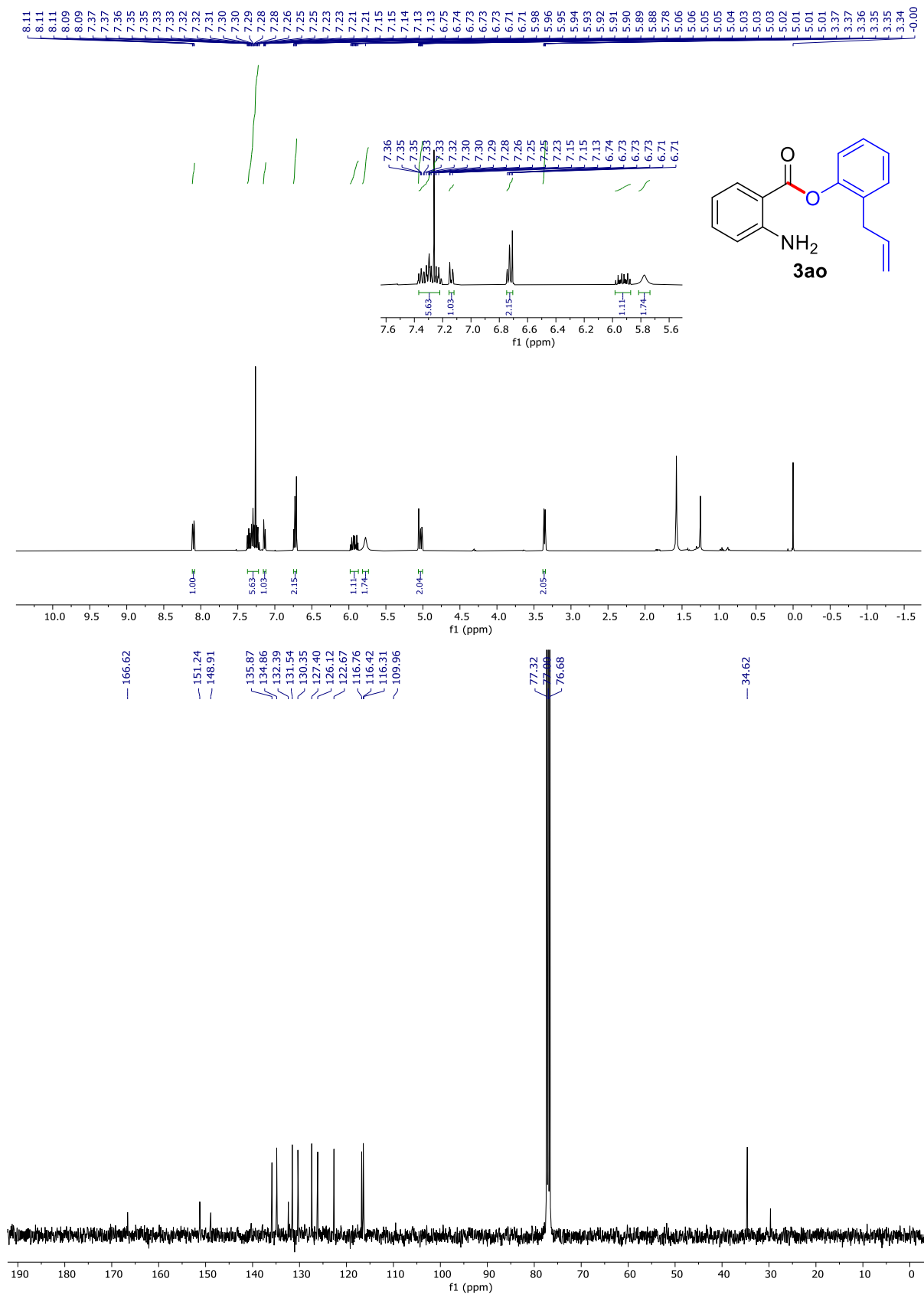


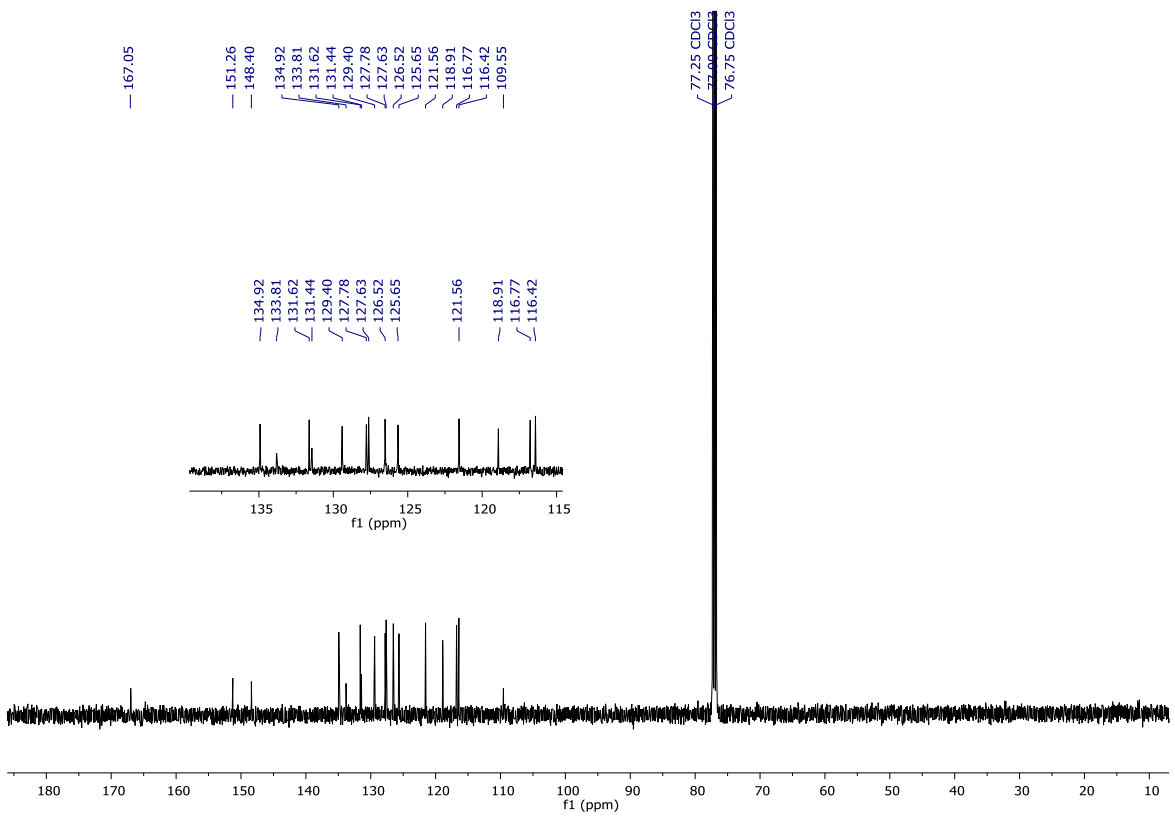
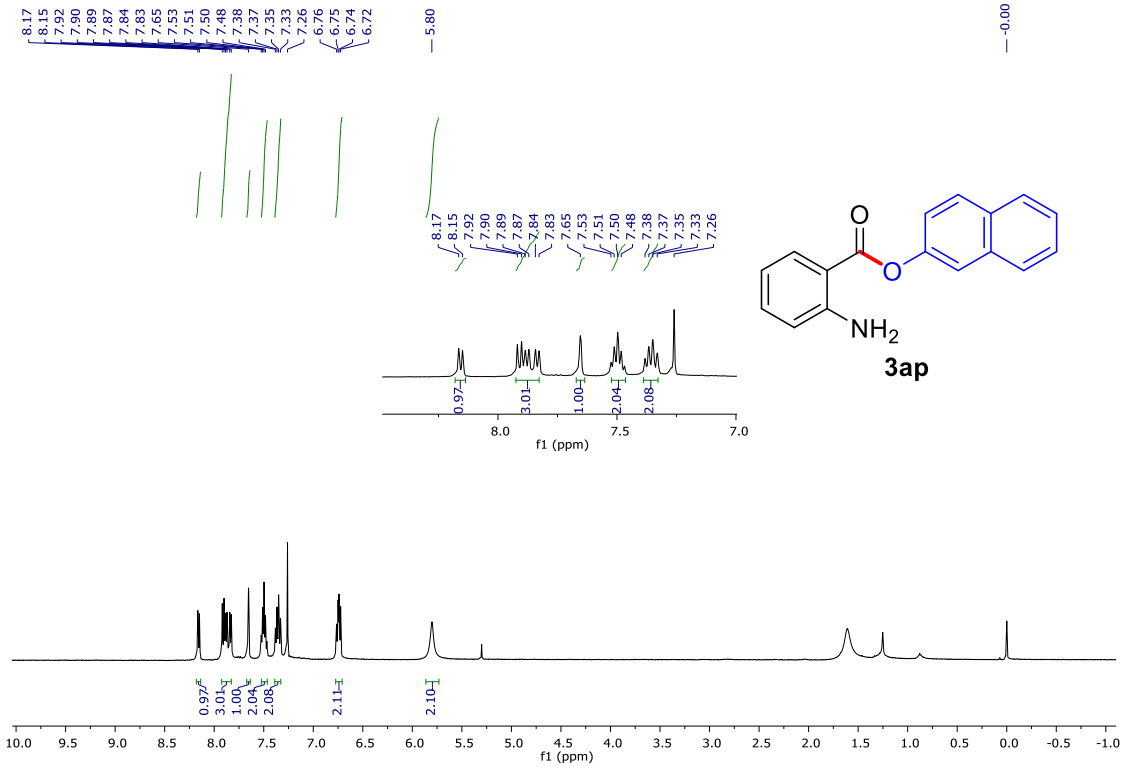






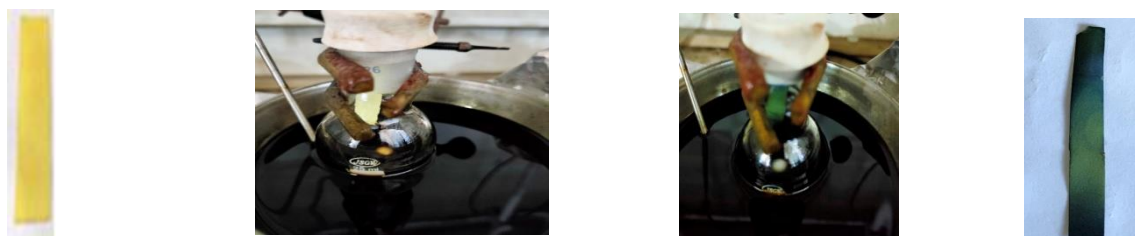






Test for evolution of CO gas: (Reference: *Angew. Chem. Int. Ed.* **2018**, 57,456-460)

PdCl₂ (200 mg) was dissolved in two drops of conc. HCl and diluted with 10 mL of distilled water. A cold saturated solution of phosphomolybdic acid in water was prepared separately. These two solutions were then mixed in a separate vial in 1:2 (PMA: PdCl₂) ratio. Some narrow pieces of filter papers were then dipped in this PMA: PdCl₂ solution and then these were dried at room temperature for 1 hour. In a round bottom flask, isatoic anhydride (**1a**, 0.5 mmol), salicylaldehyde (**2a**, 0.5 mmol), [RuCl₂(*p*-cymene)]₂ (2.5 mol %), CsOAc (0.5 mmol) in toluene (4.0 mL) were added. Then, one strip of the above dried filter paper was fitted inside the round bottom flask with the help of a septum as shown in the pictures below. The reaction mixture was then heated at 95 °C. After 1.5 hours of heating, it was observed that the yellow colour of the strip was changed to dark-blue colour, indicating the evolution of CO gas from the reaction mixture.



(a) Dried PMA-PdCl₂ (b) Strip before the reaction (c) During the reaction (d) After the reaction

Figure S1: Test for evolution of CO gas in the reaction mixture