

SUPPORTING INFORMATION

Synthesis and Solid-state Fluorescence Properties of Pentacyclic 7-Substituted- indeno[1',2':4,5]pyrido[2,1-*a*]isoindol-5-ones

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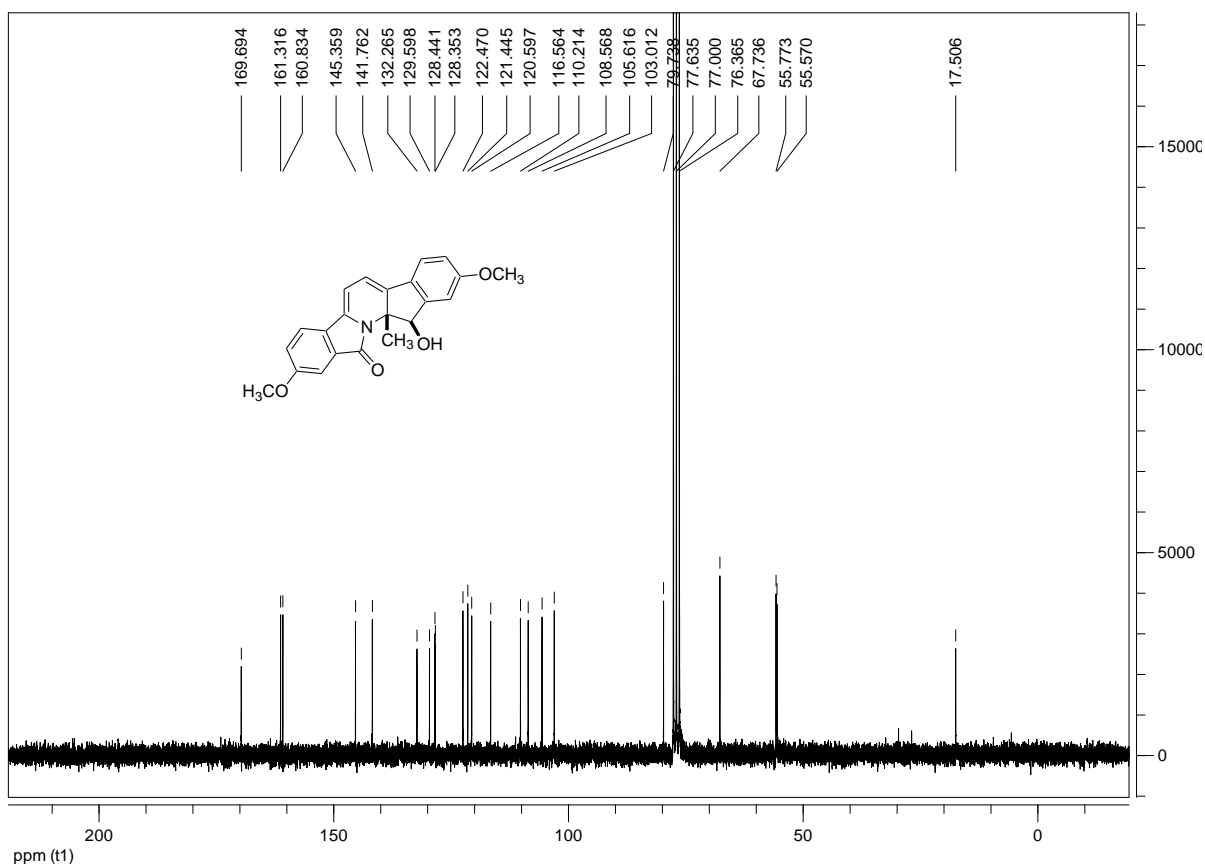
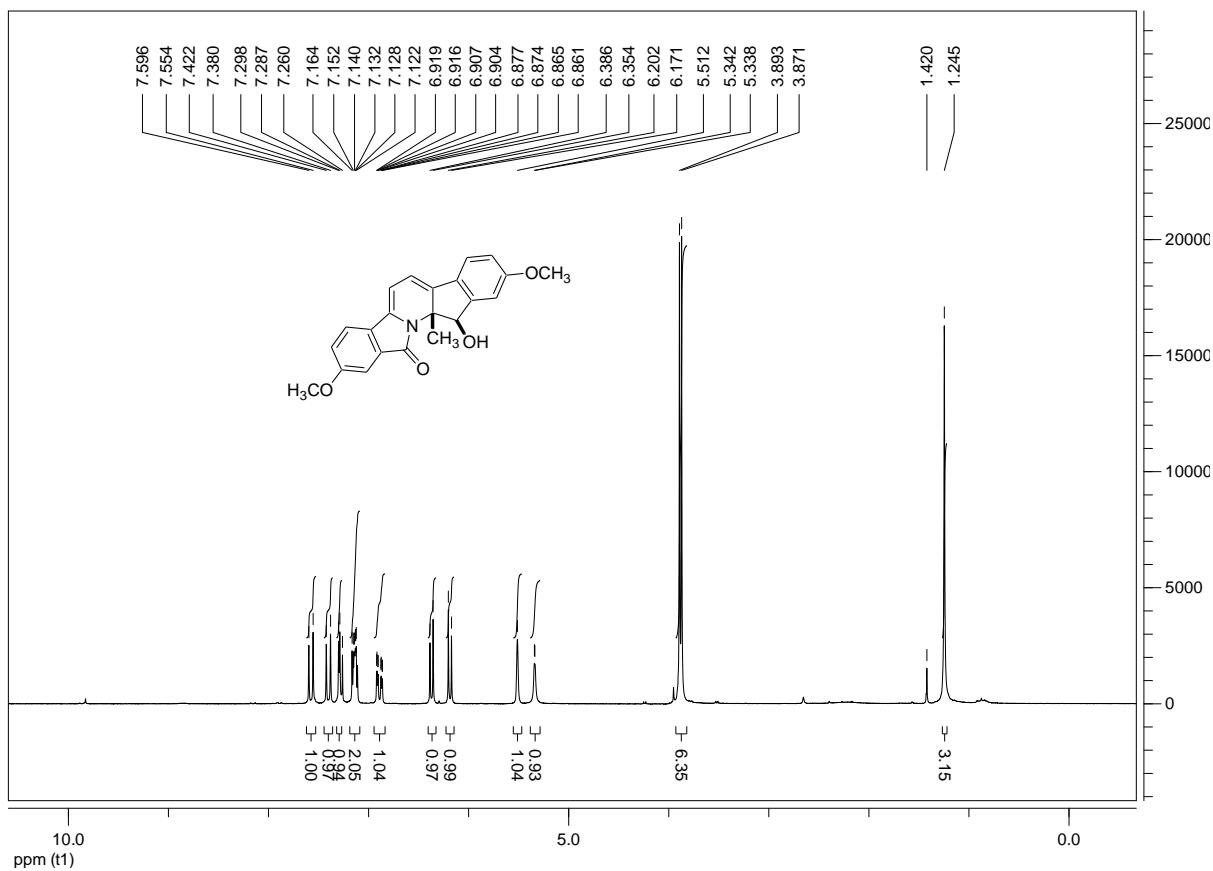
^c Laboratoire CRM2, UMR CNRS 7036, Université de Lorraine, 54506 Vandoeuvre-les-Nancy, France.

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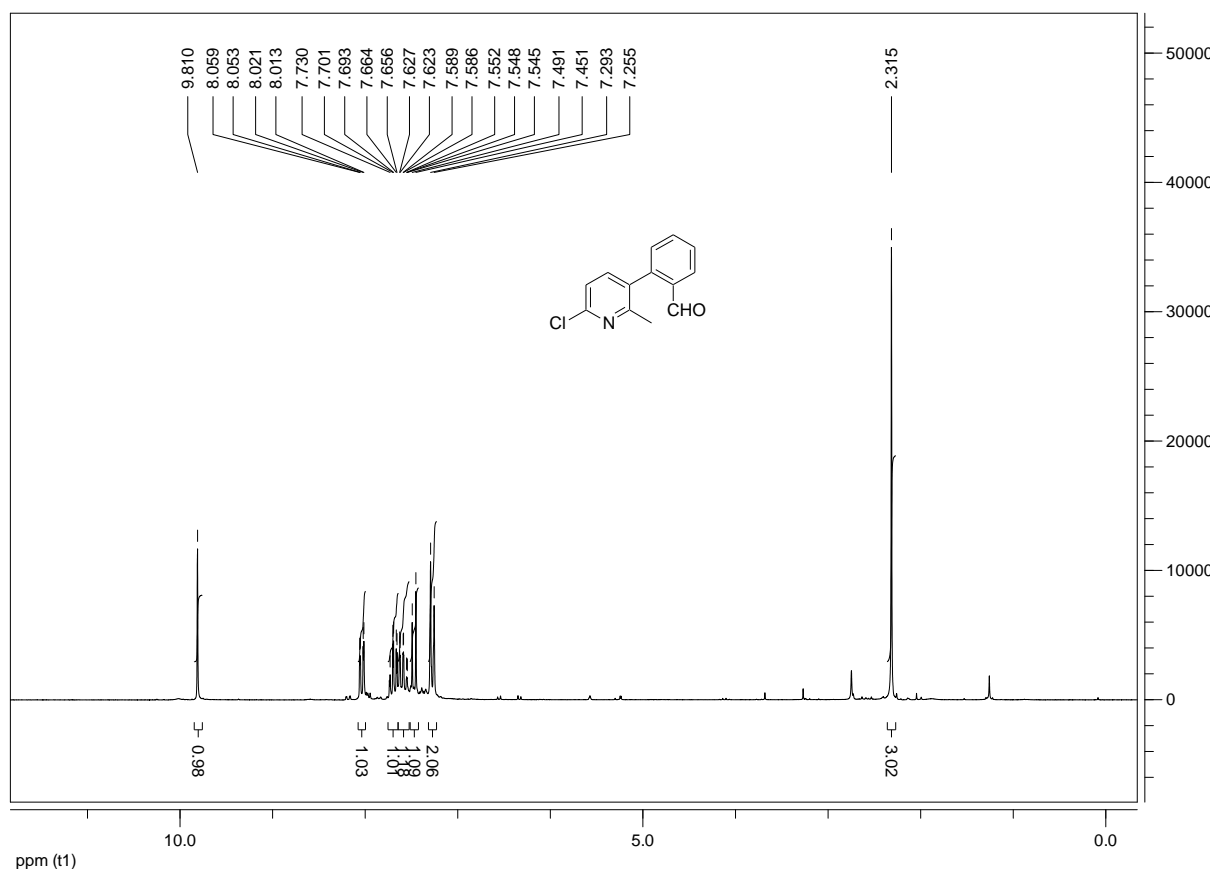
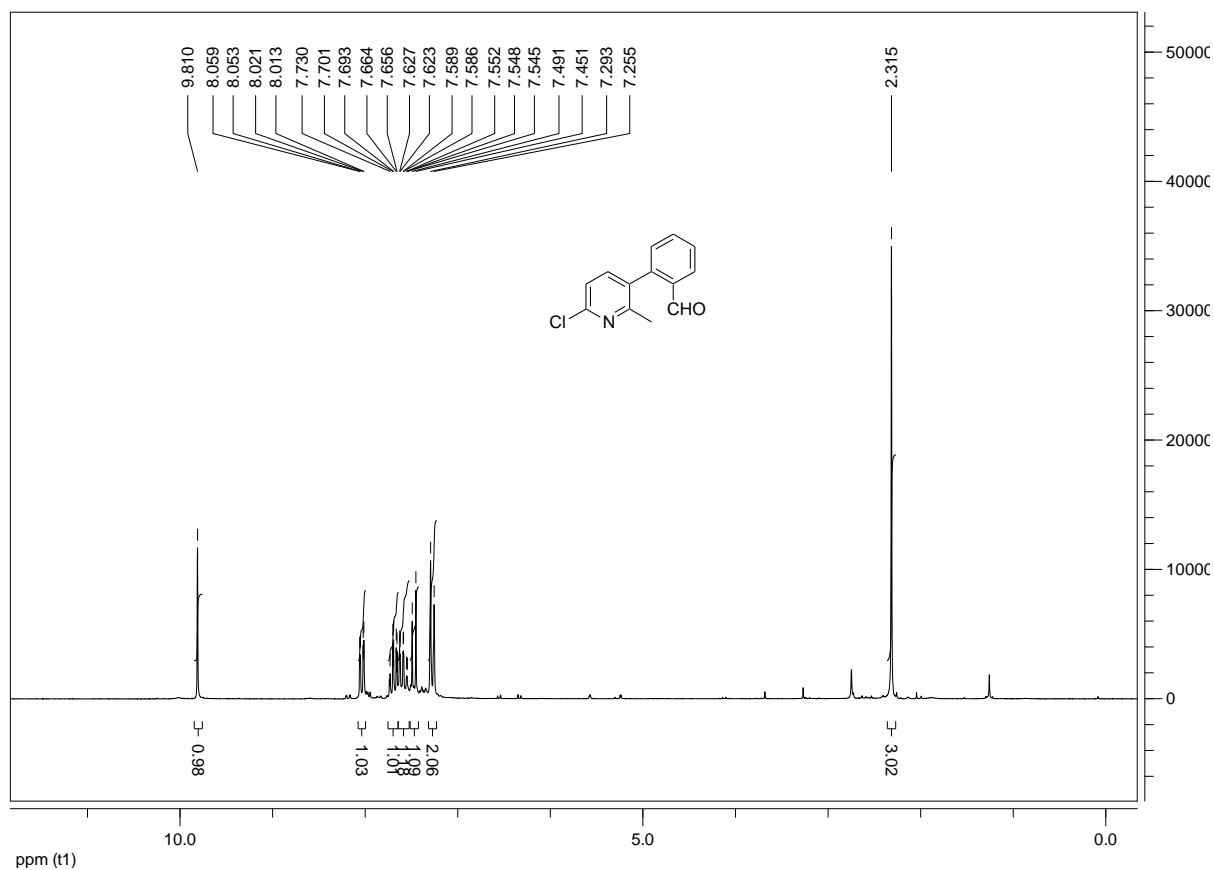
Content

- Copy of ¹H and ¹³C NMR spectra of all new compounds
- ORTEP view of compounds **2**, **15a** and **15d**

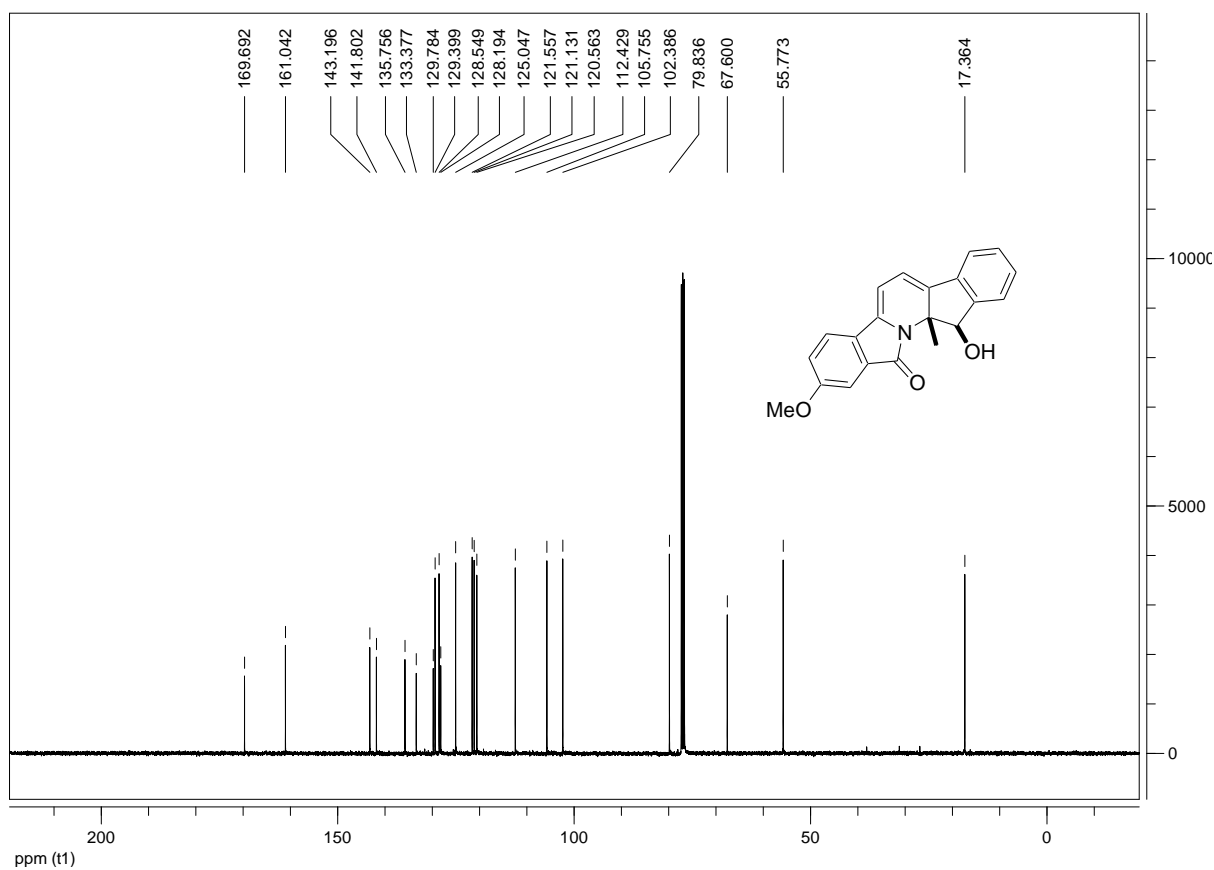
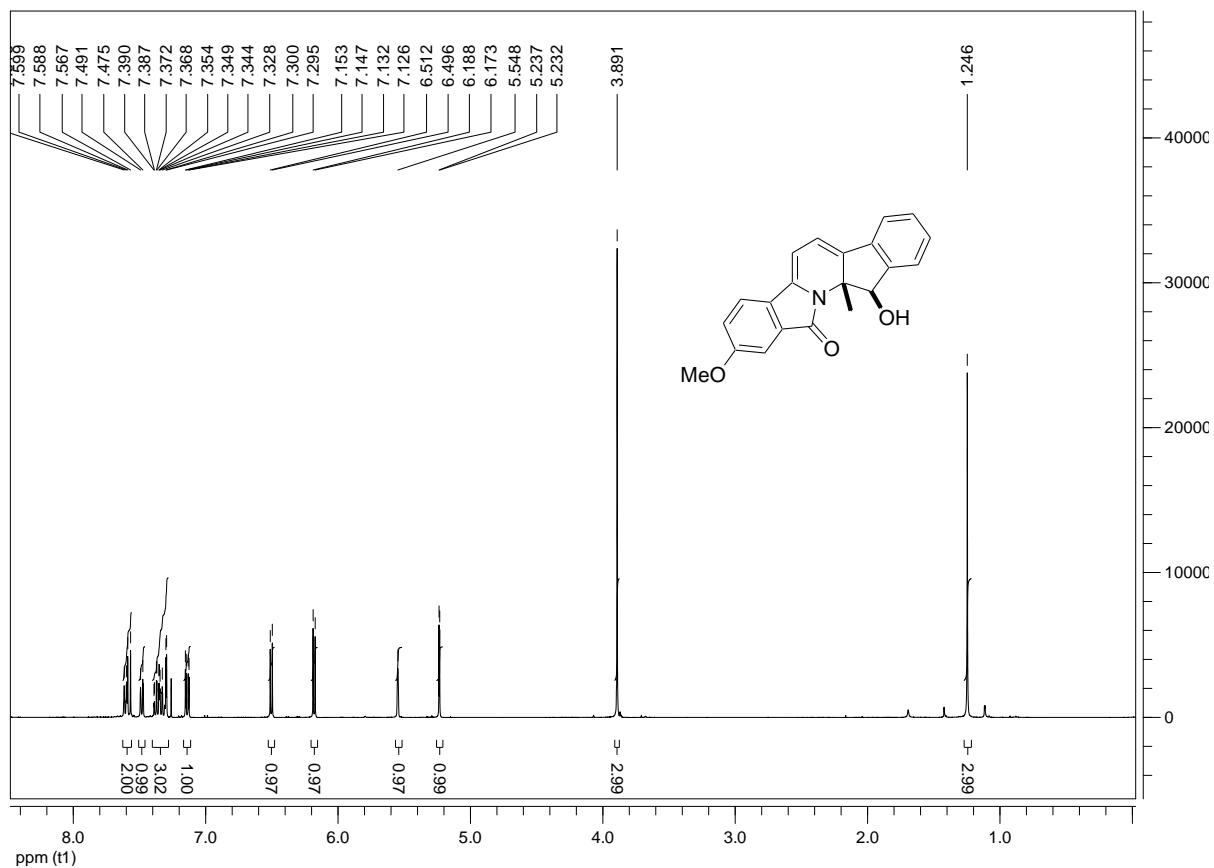
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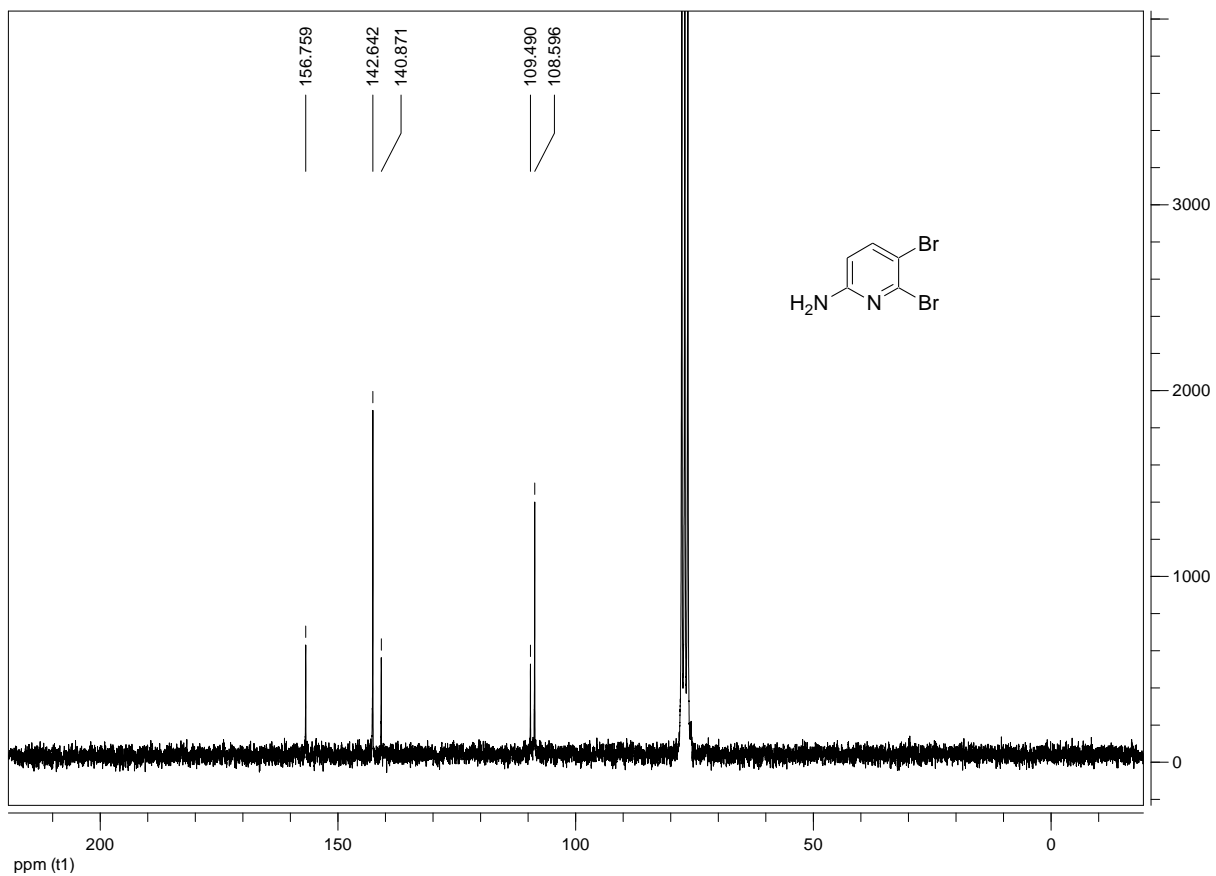
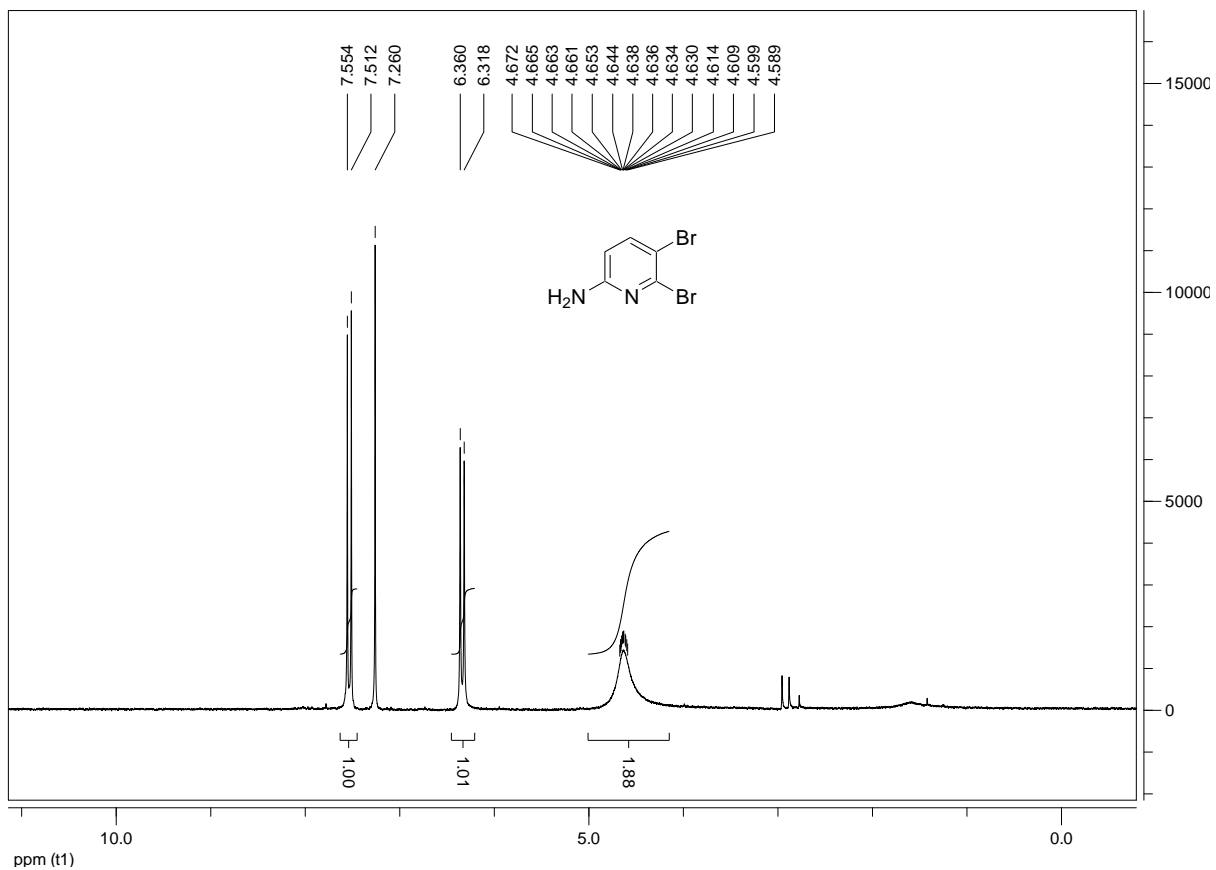
2-(6-Chloro-2-methyl-pyridin-3-yl)-benzaldehyde (8)



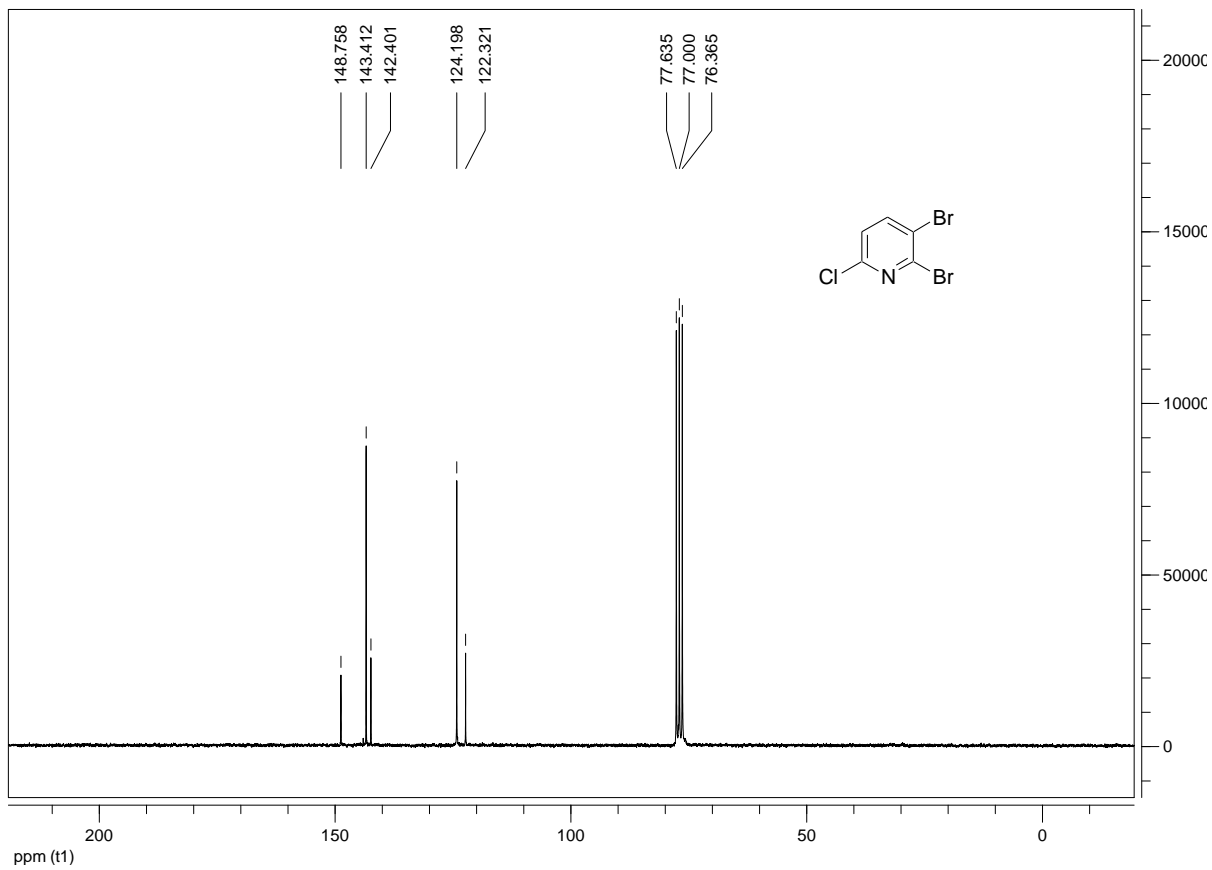
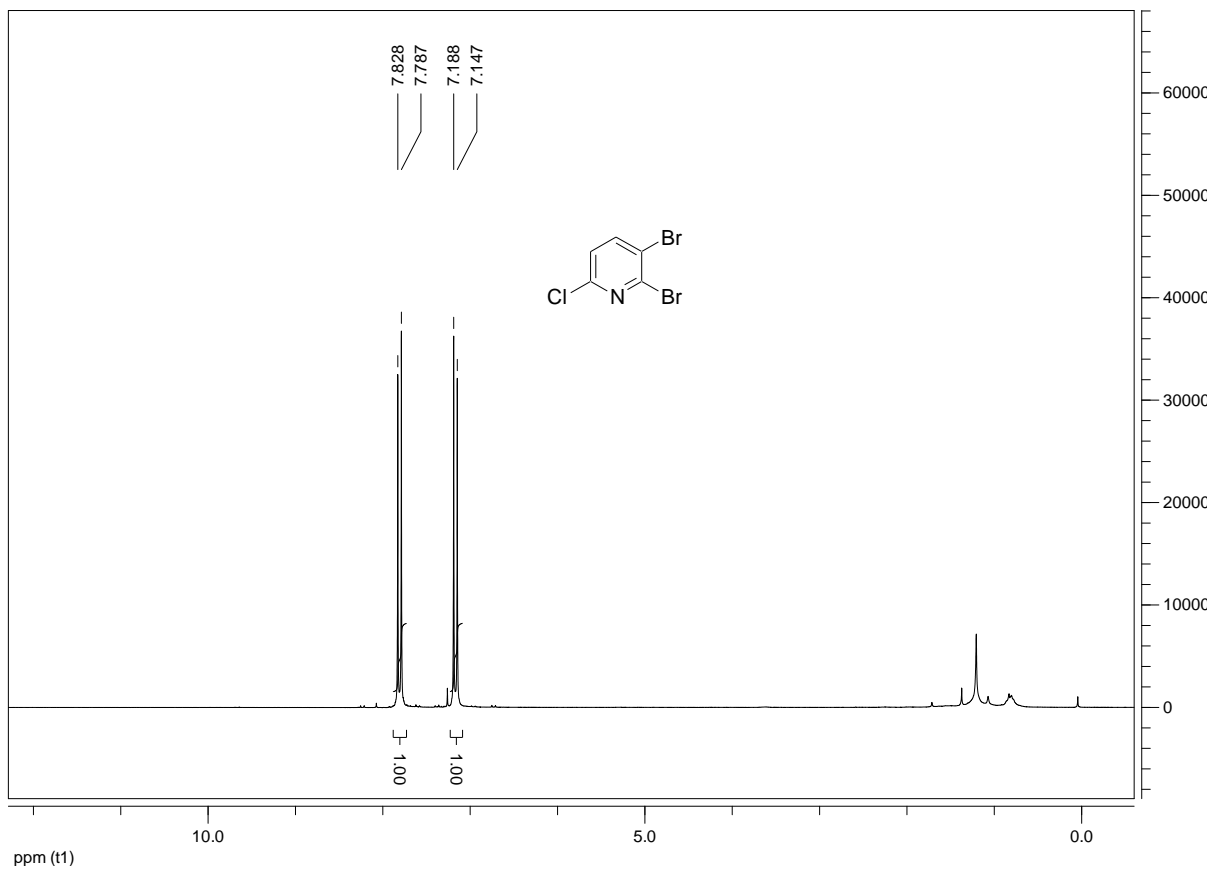
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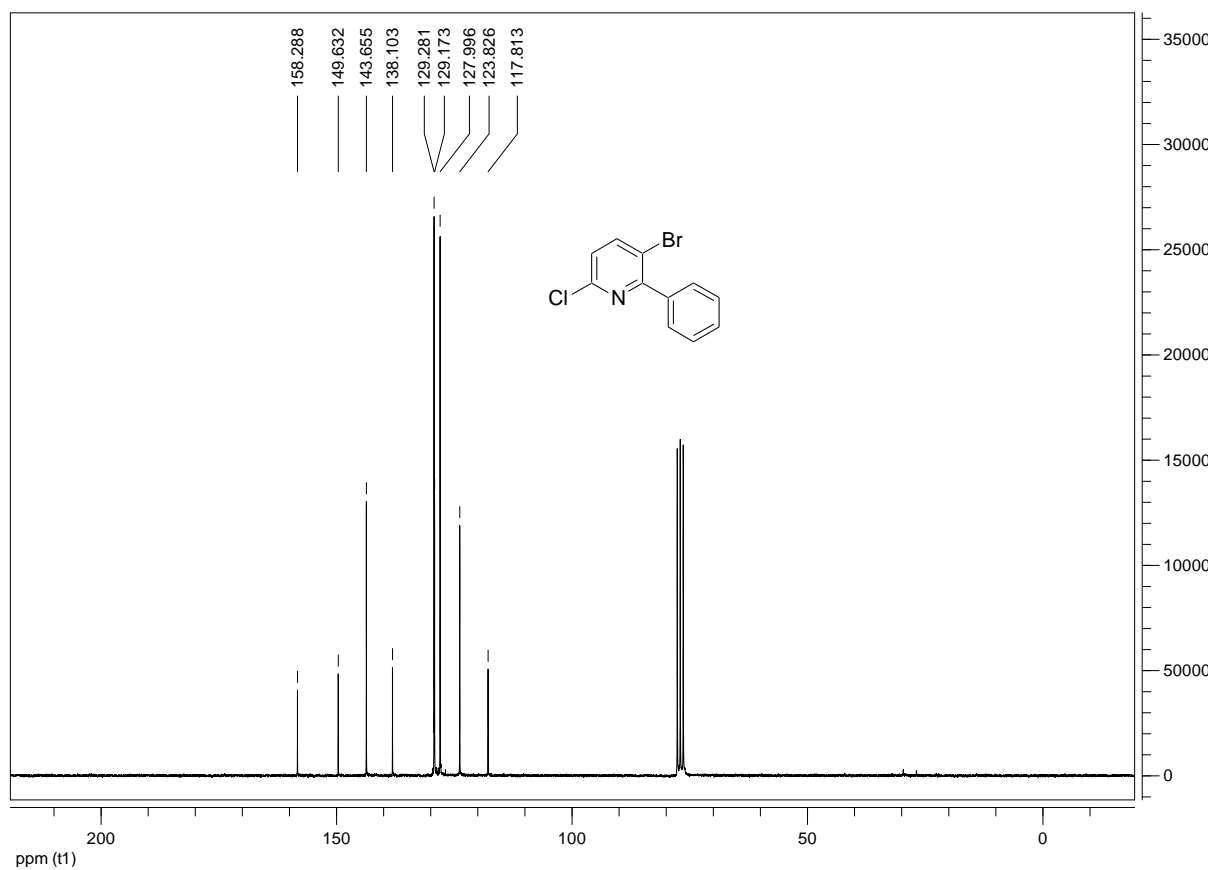
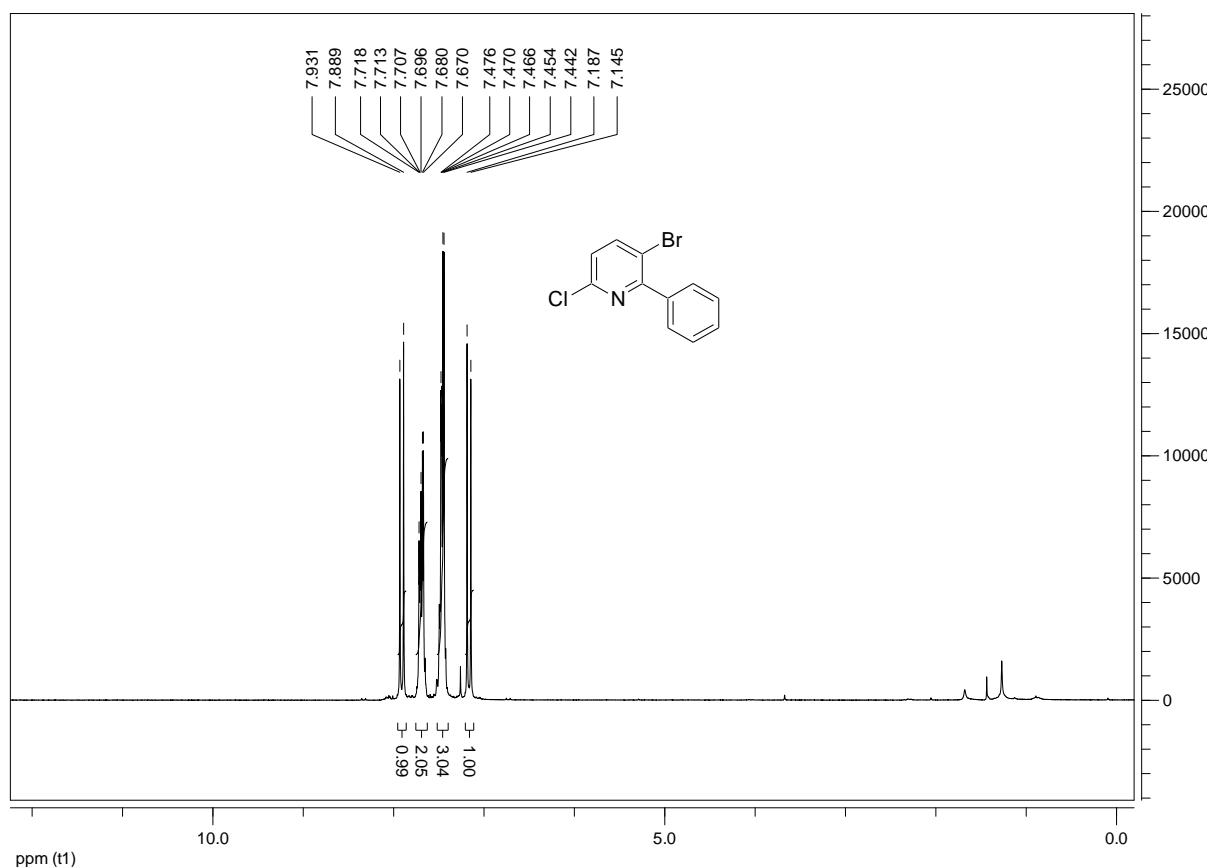
2-Amino-5,6-bromopyridine (13)



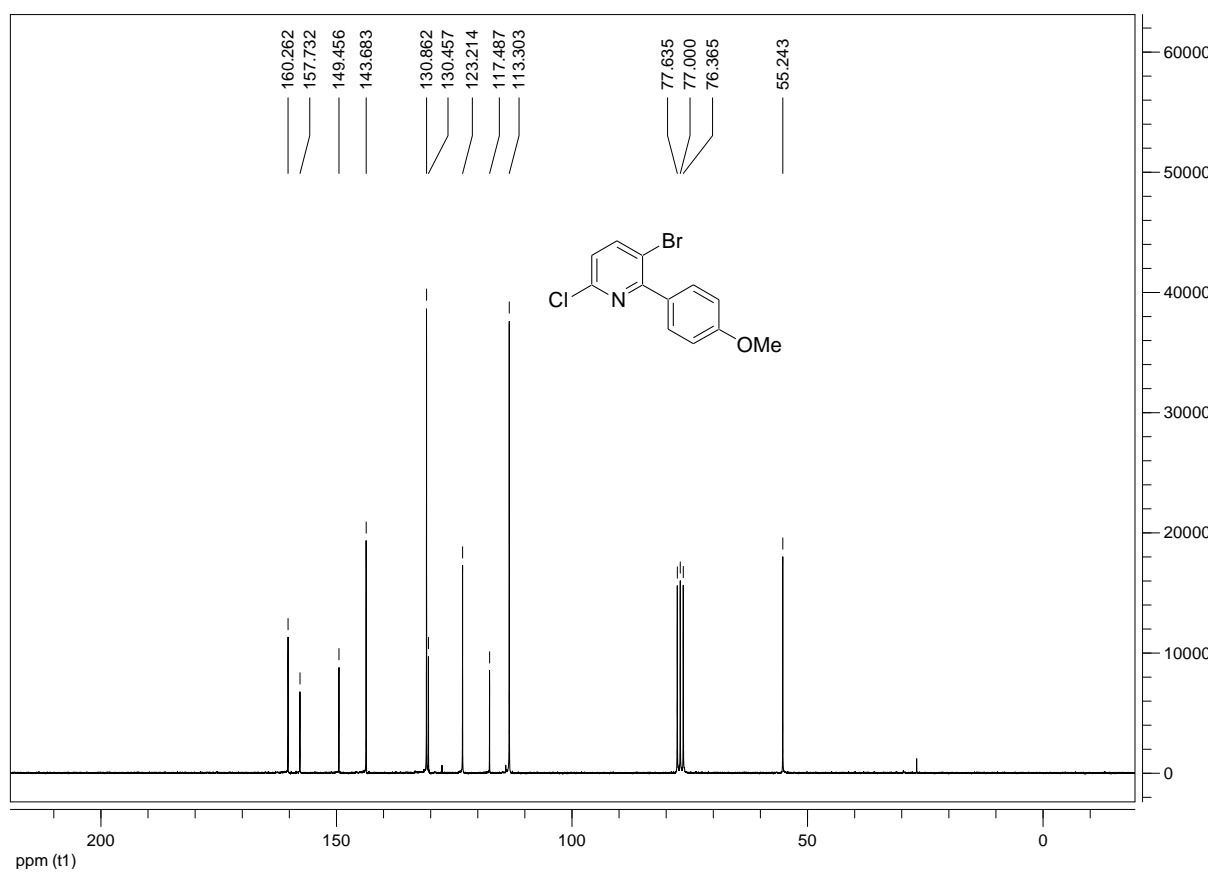
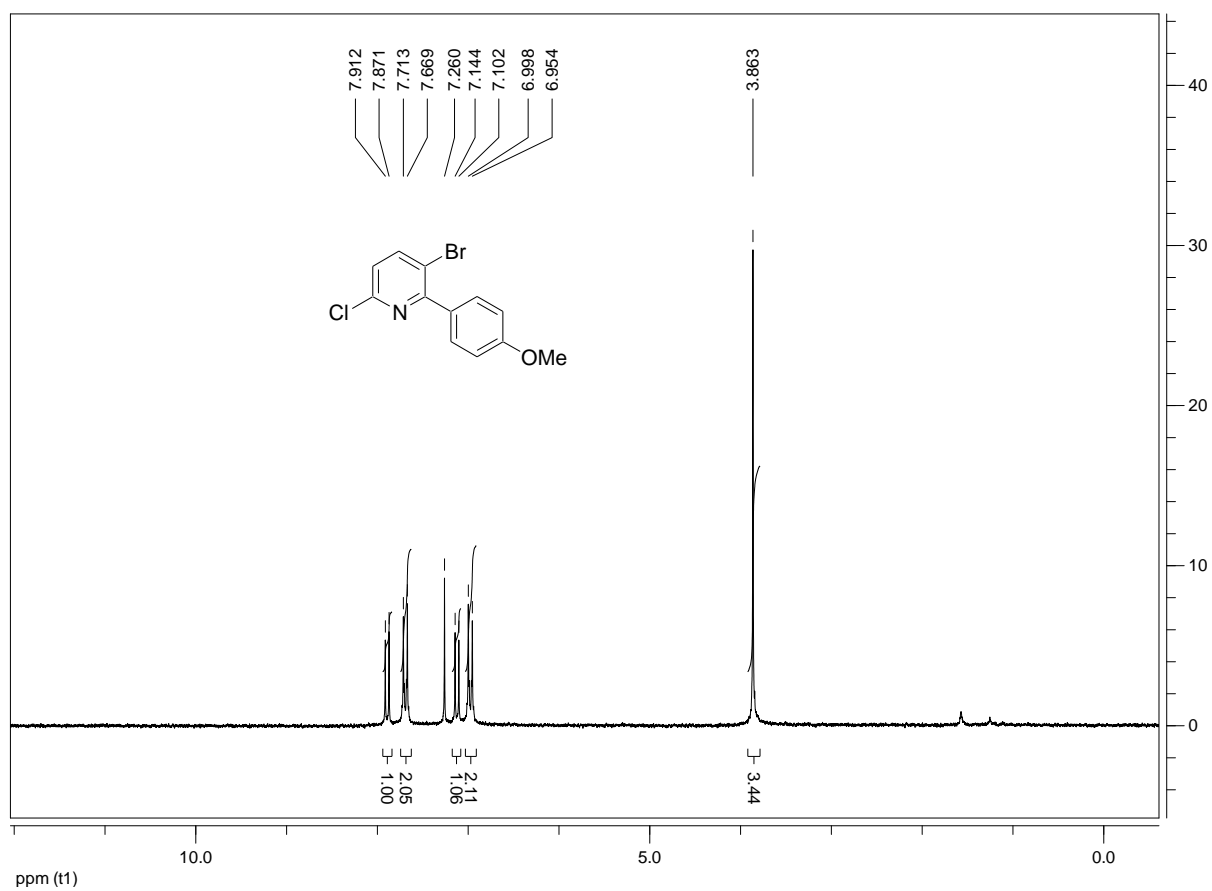
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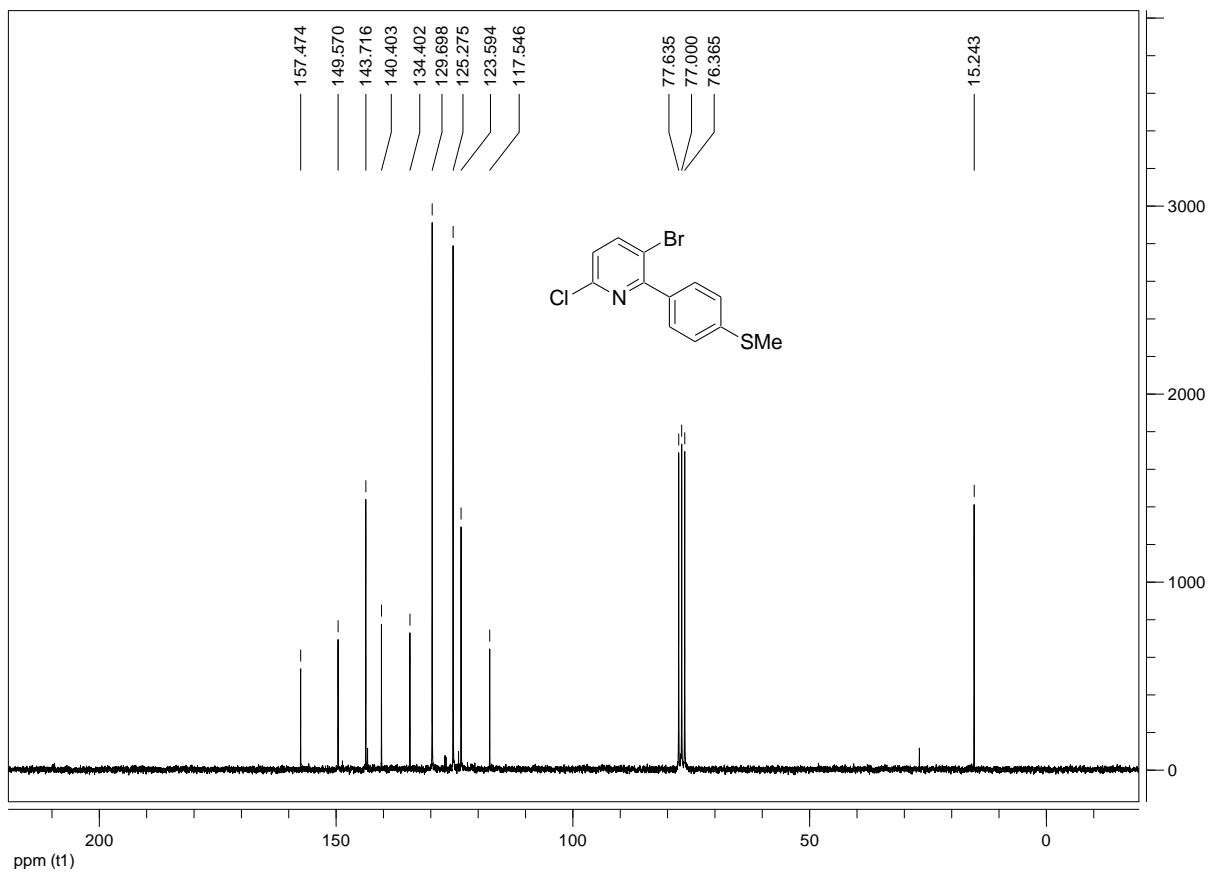
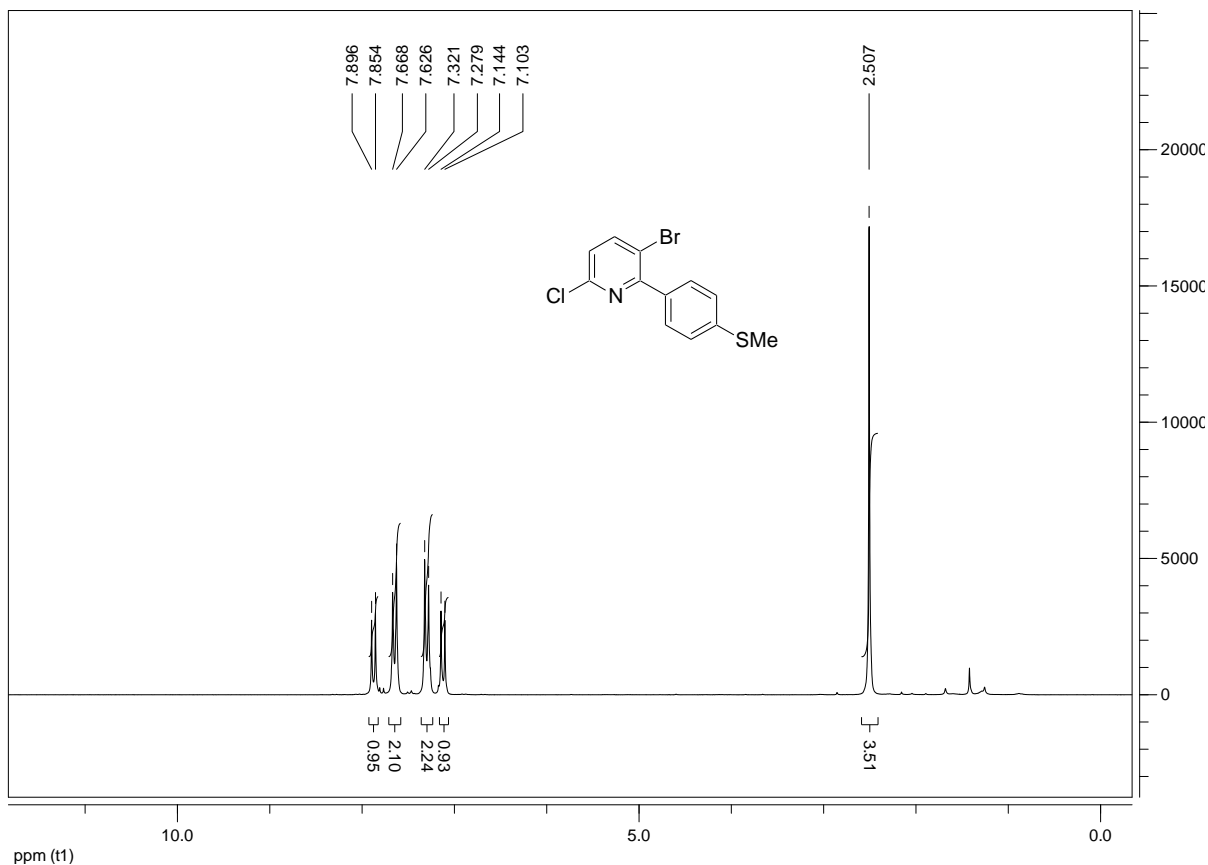
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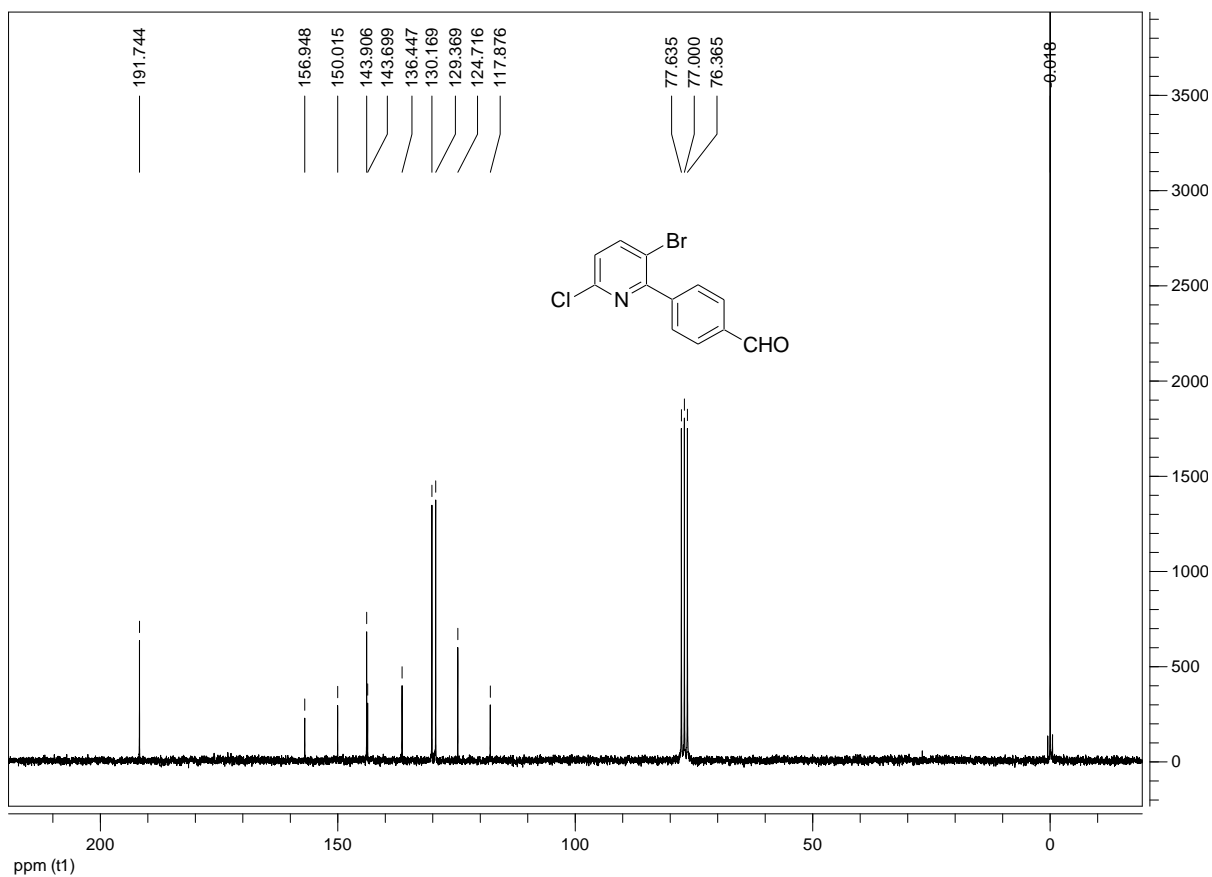
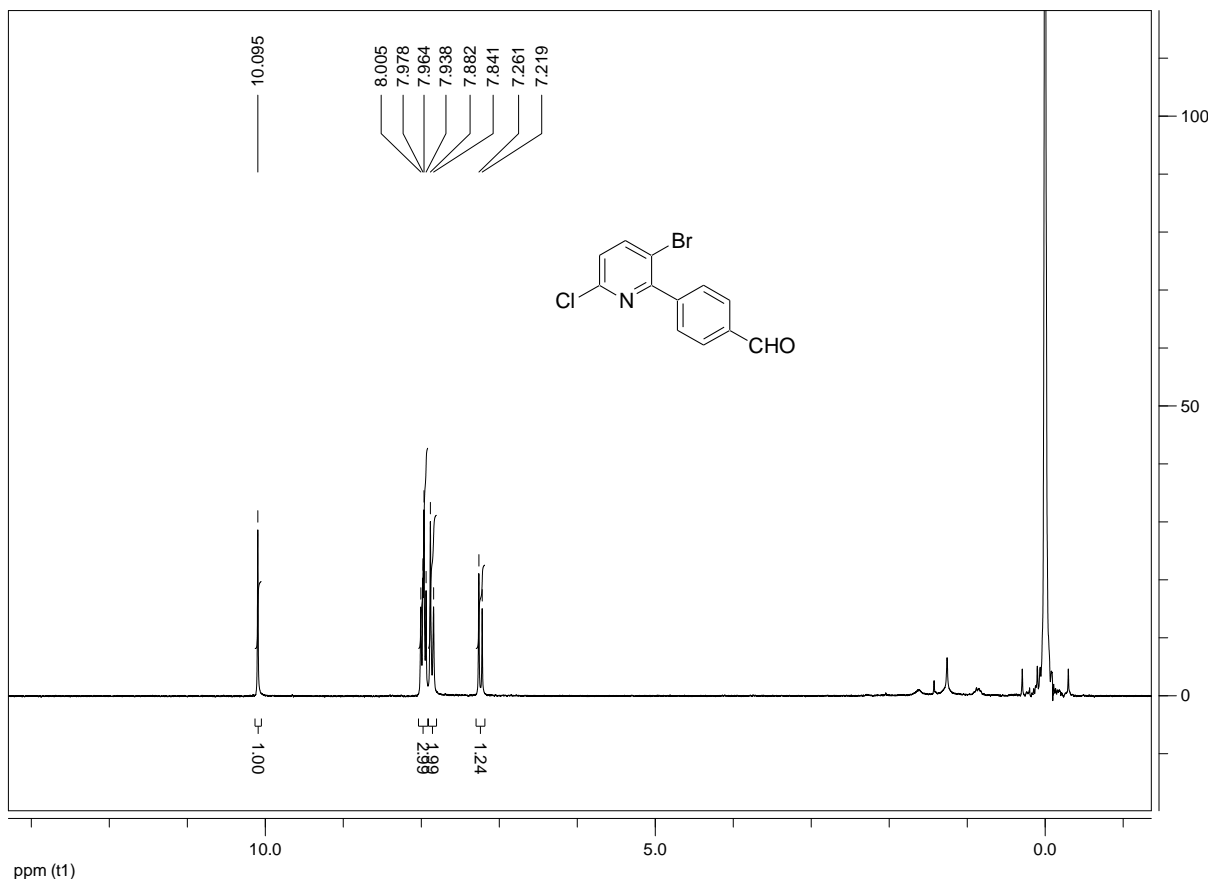
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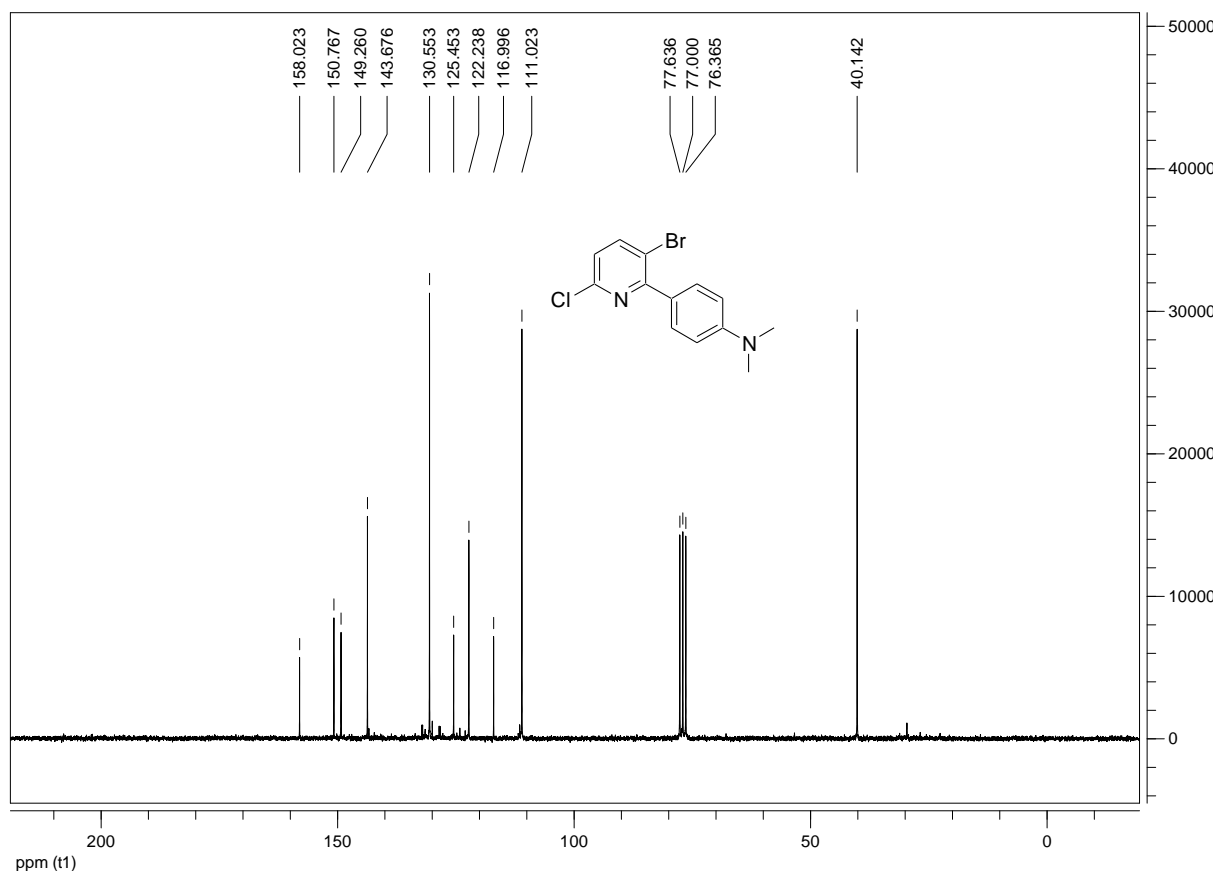
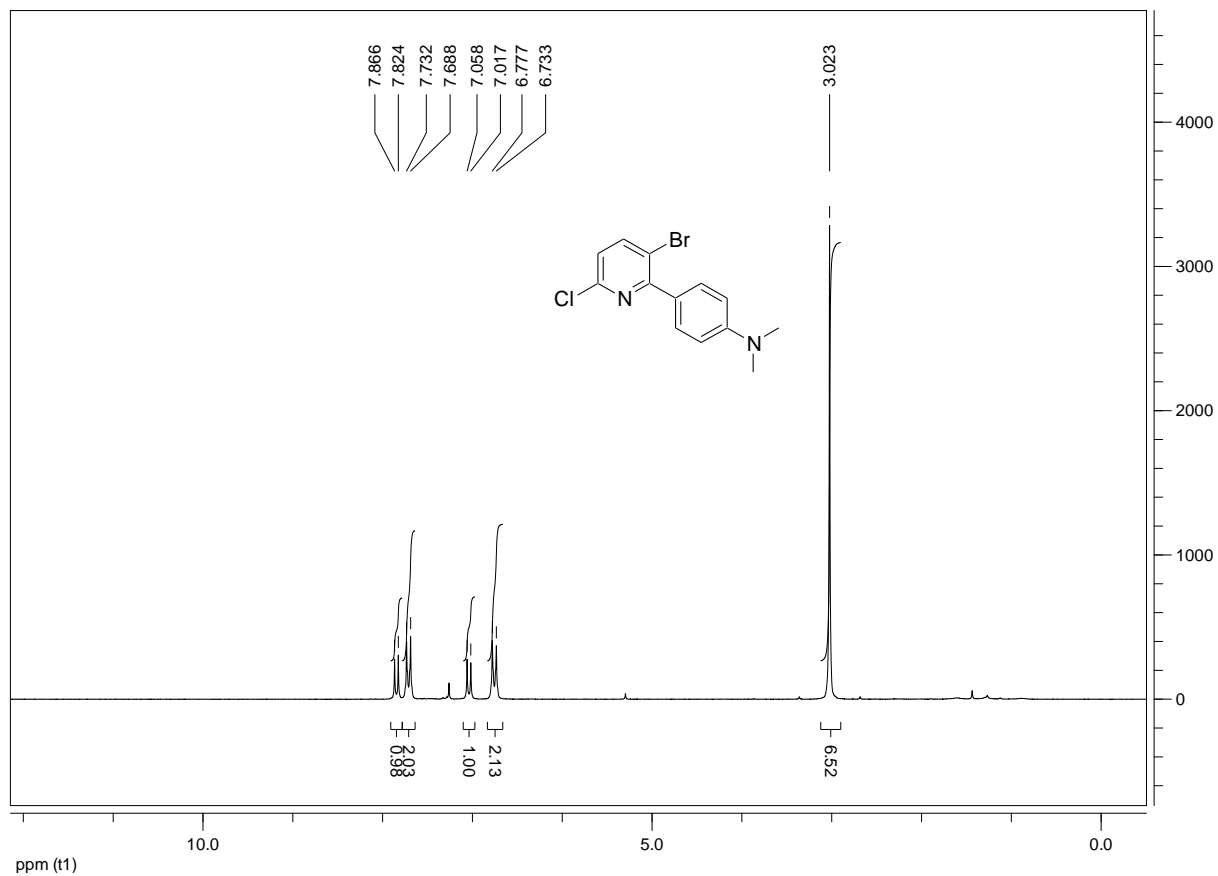
3-Bromo-6-chloro-2-(4-(methylthio)phenyl)pyridine (10c)



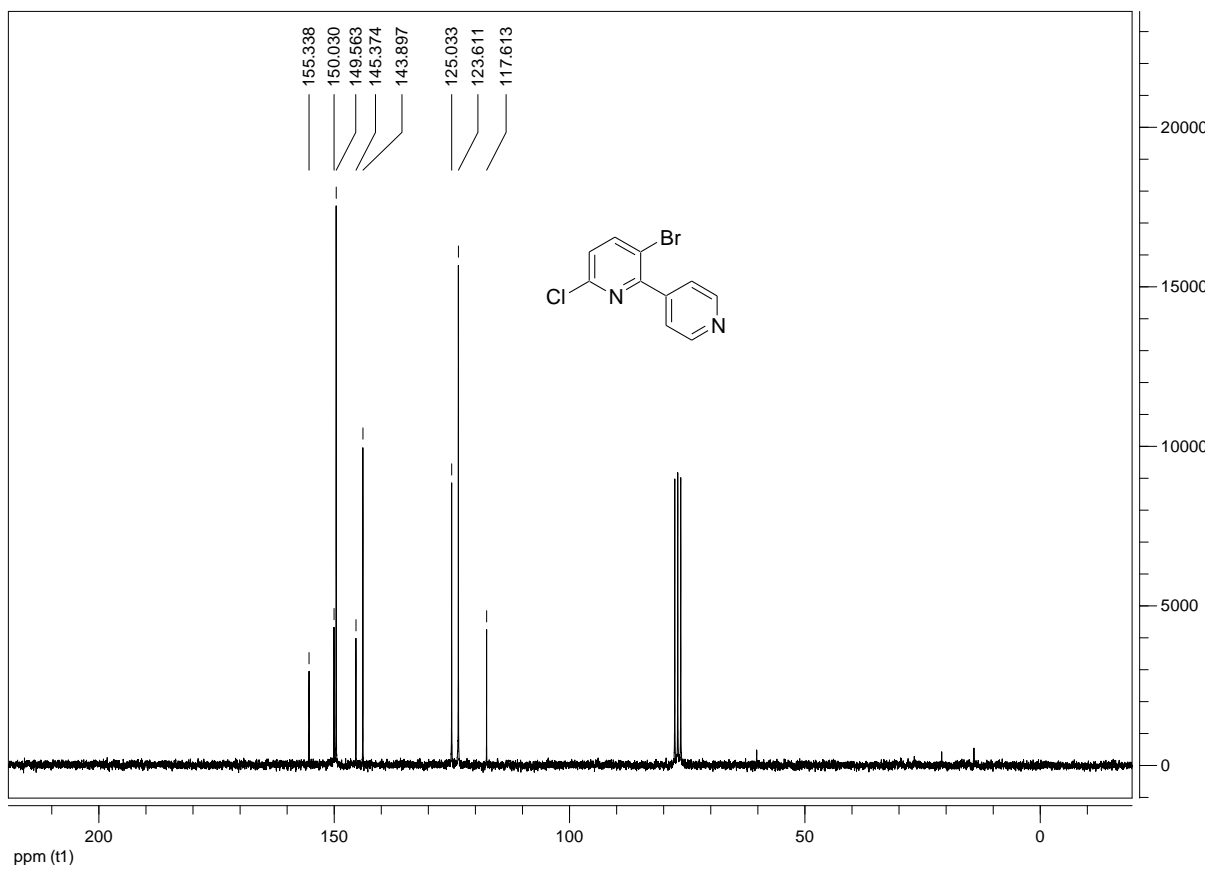
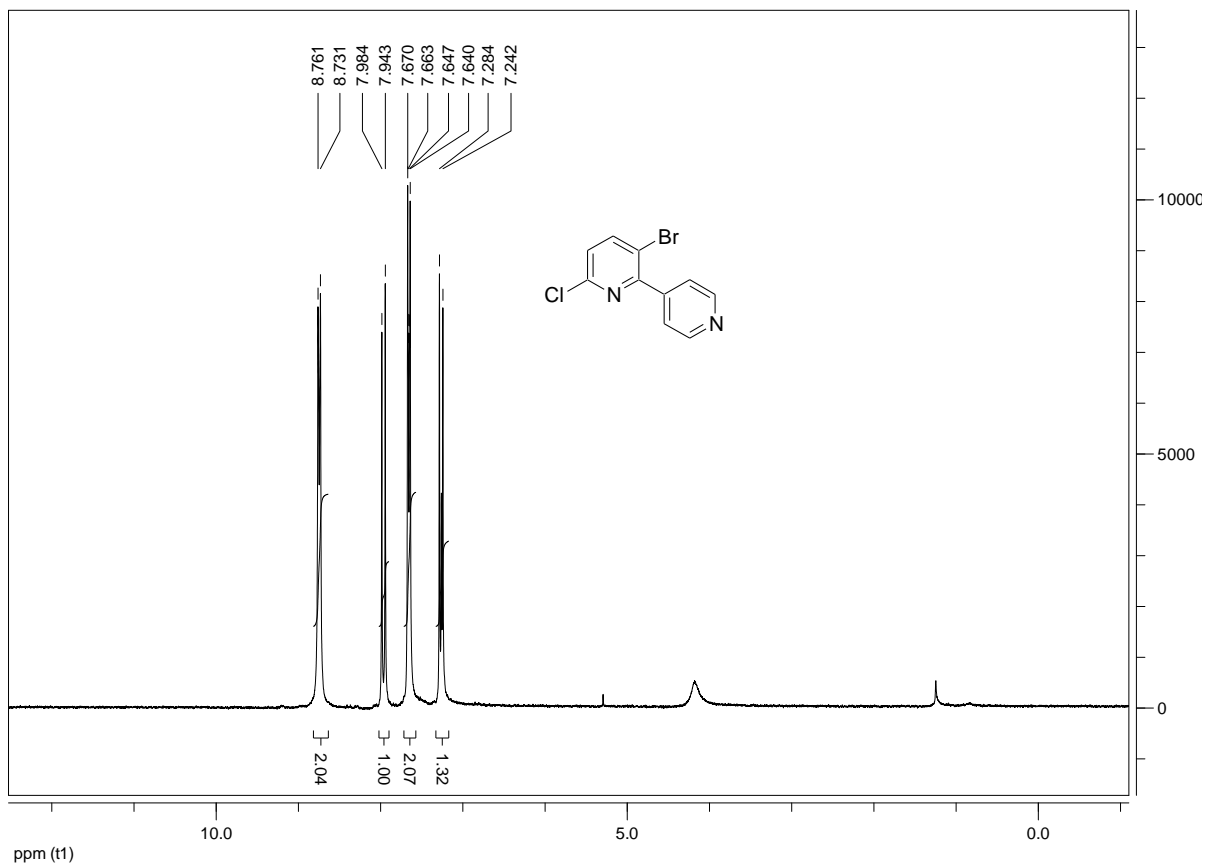
4-(3-Bromo-6-chloropyridin-2-yl)benzaldehyde (10d)



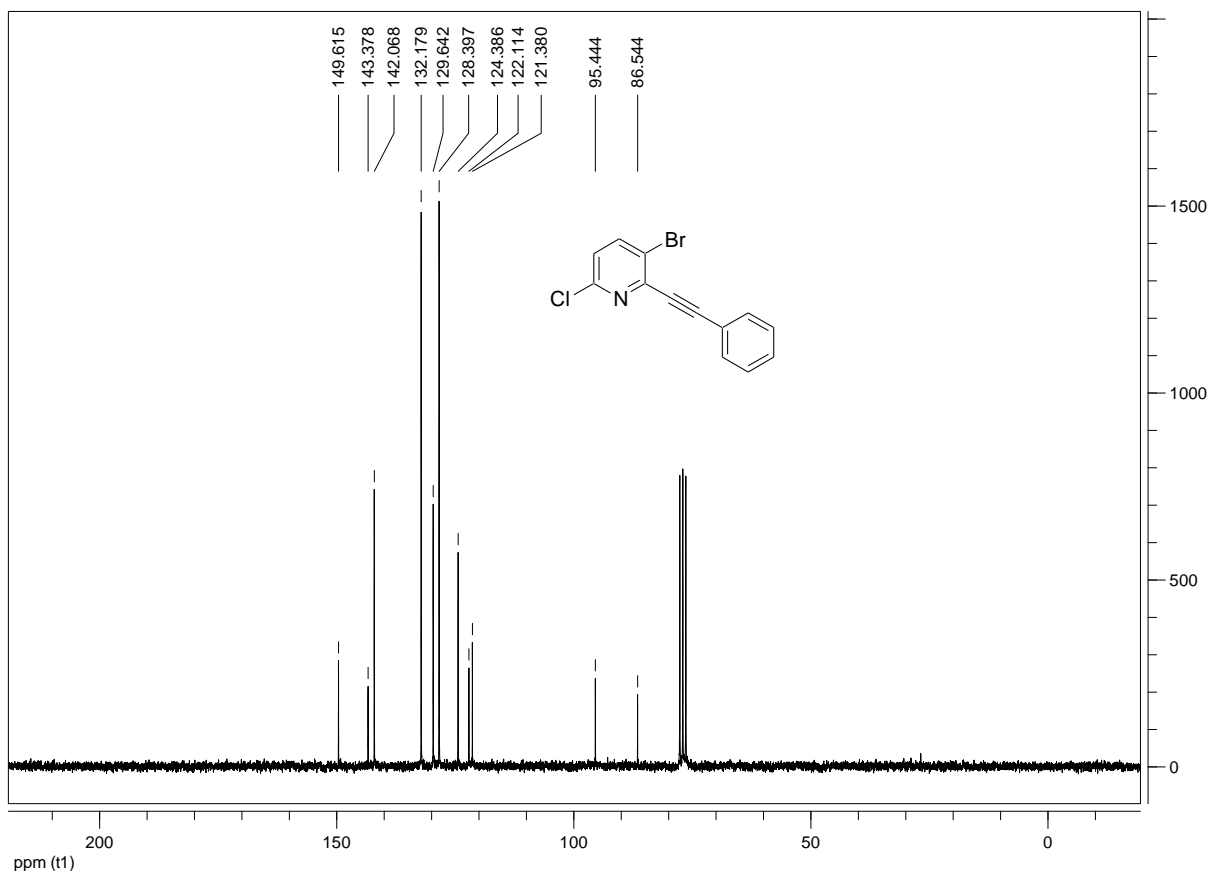
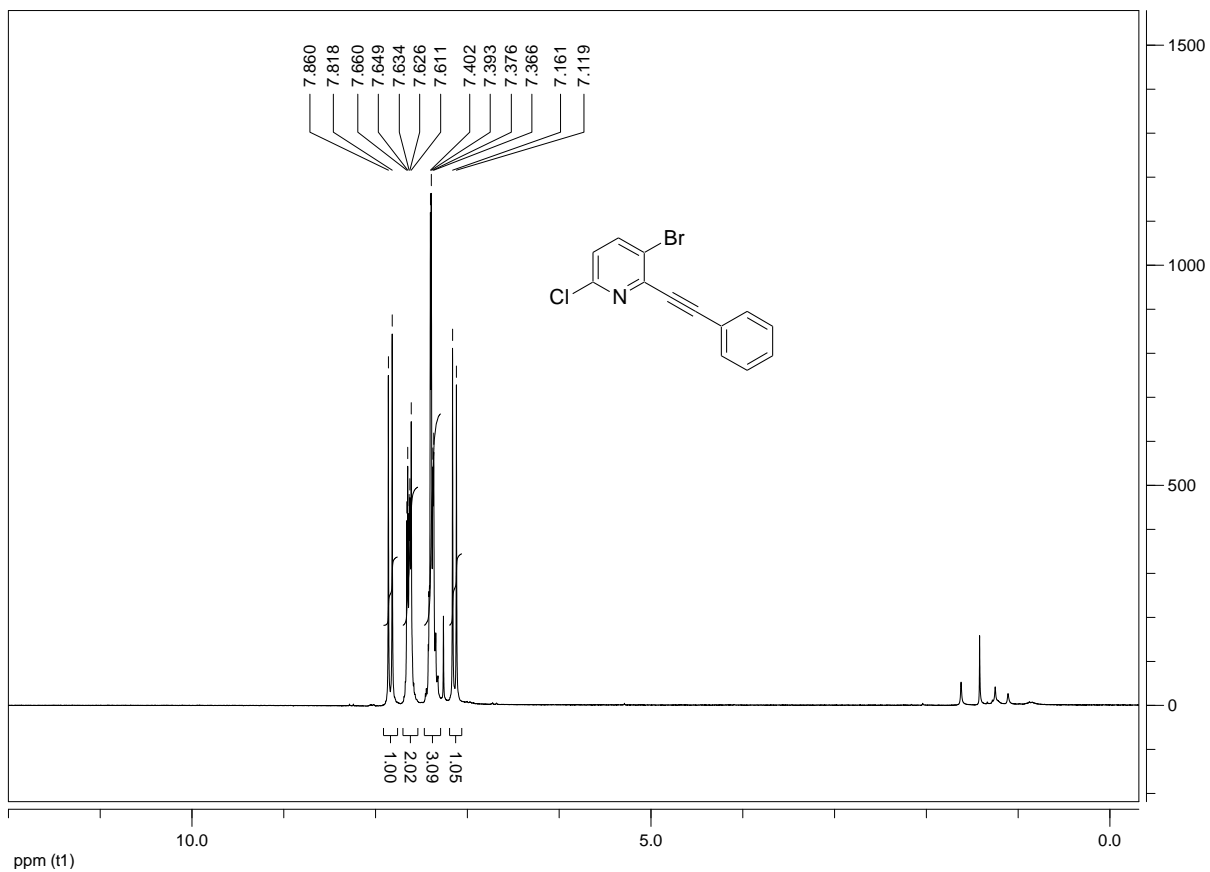
3-Bromo-6-chloro-2-[4-(dimethylamino)phenyl]pyridine (10e)



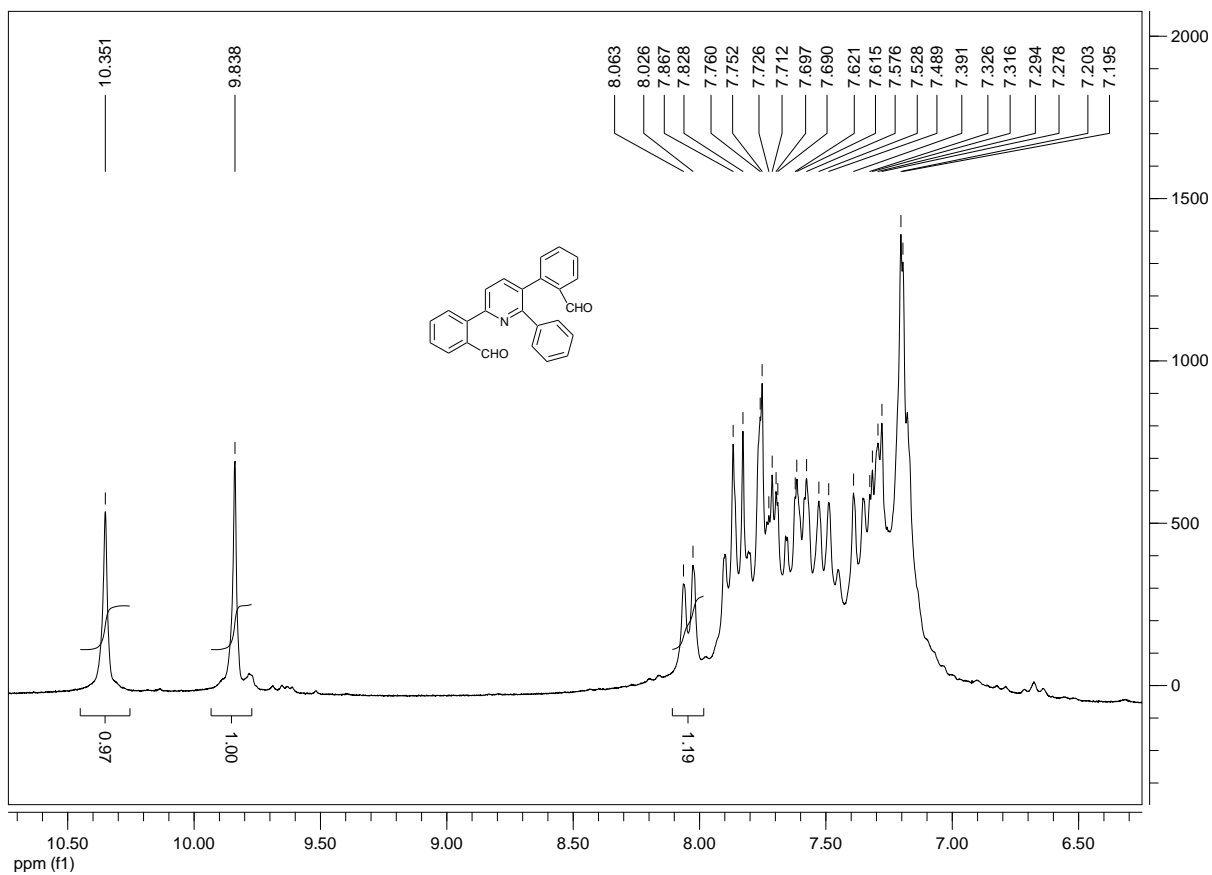
4-(3-Bromo-6-chloropyridin-2-yl)pyridine (10f)



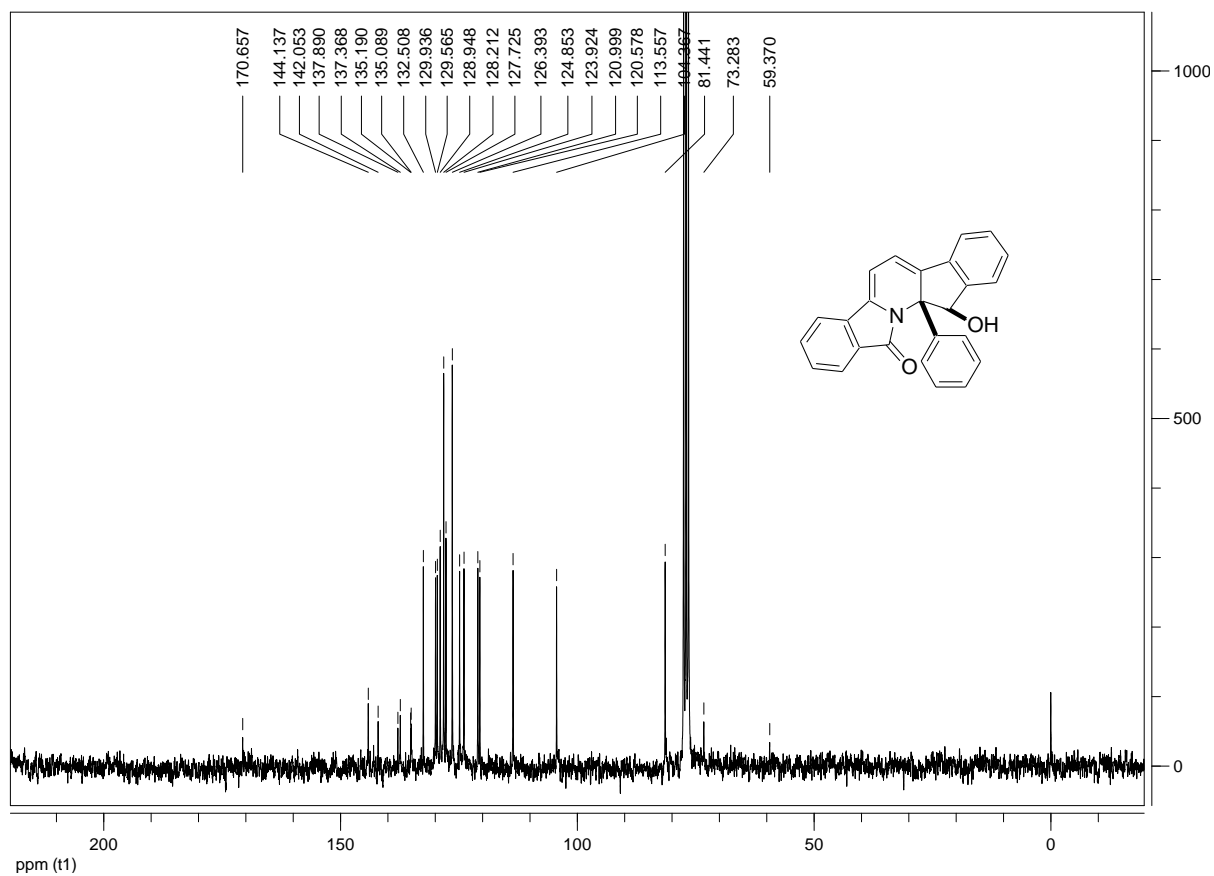
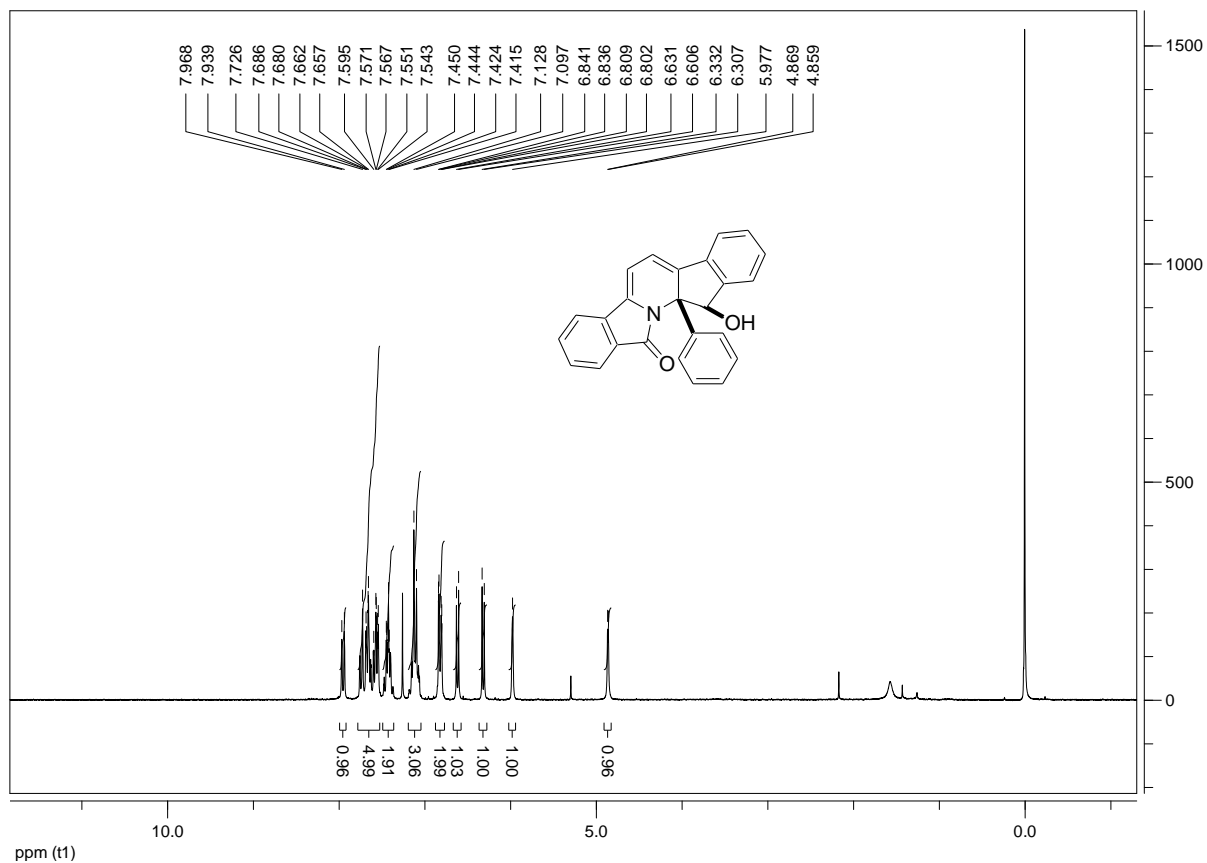
3-Bromo-6-chloro-2-(phenylethynyl)pyridine (14)



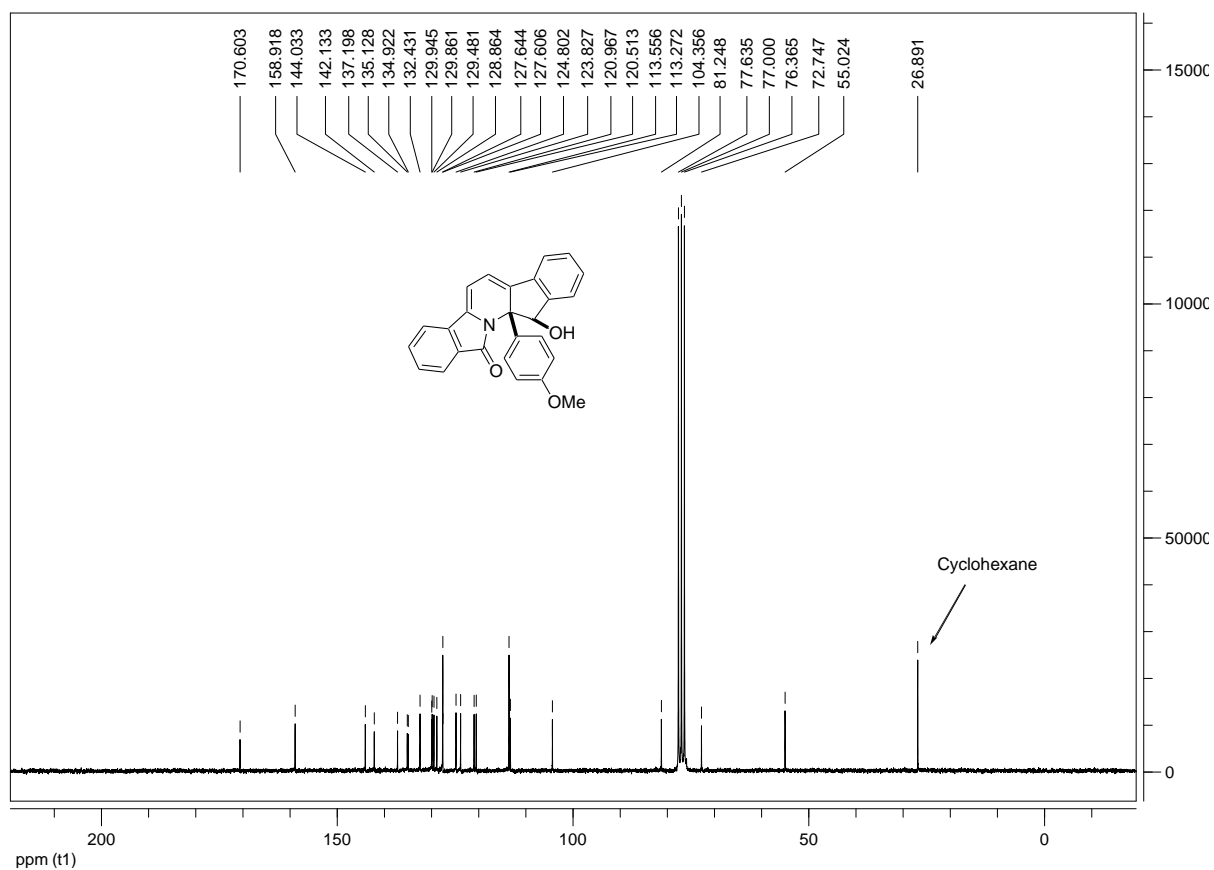
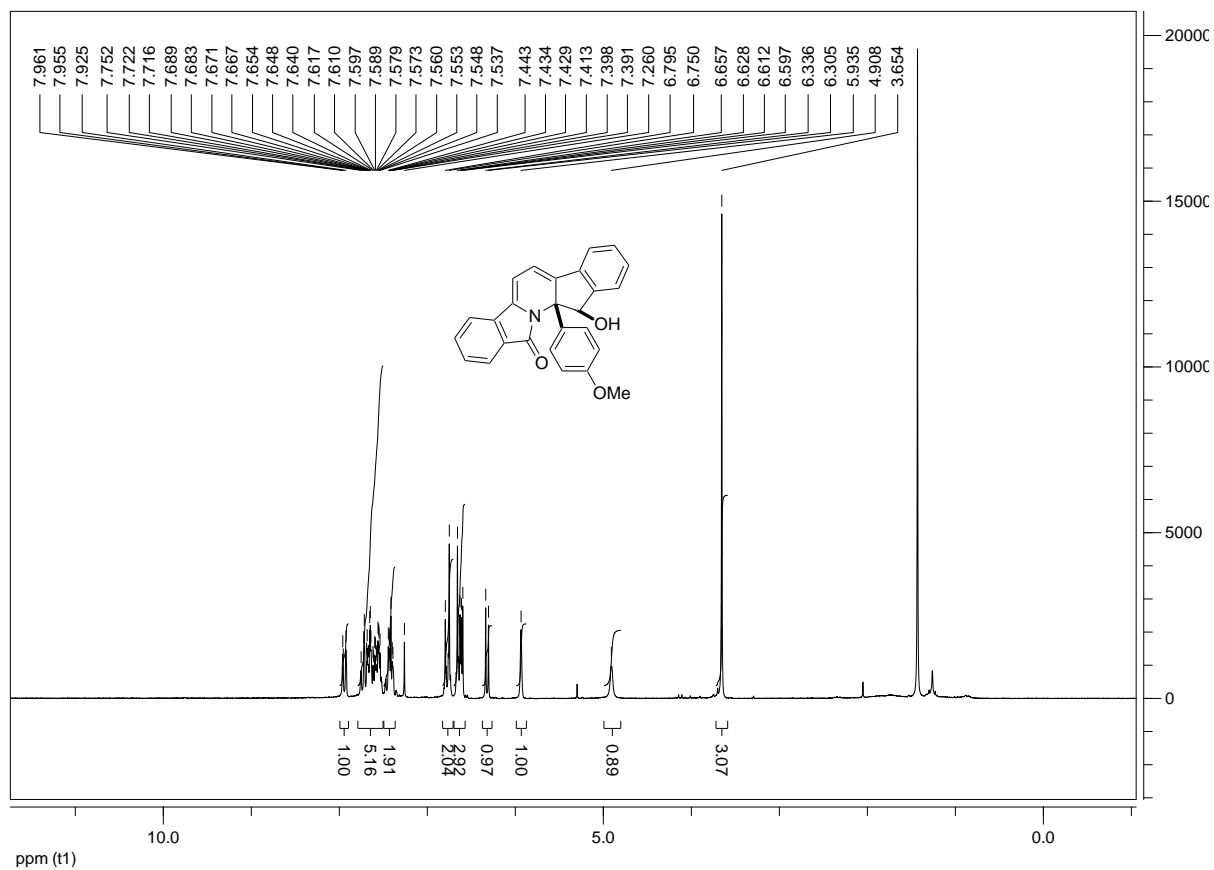
2-[2-(6-Phenyl-pyridin-2-yl)-benzaldehyde]-benzaldehyde (16)



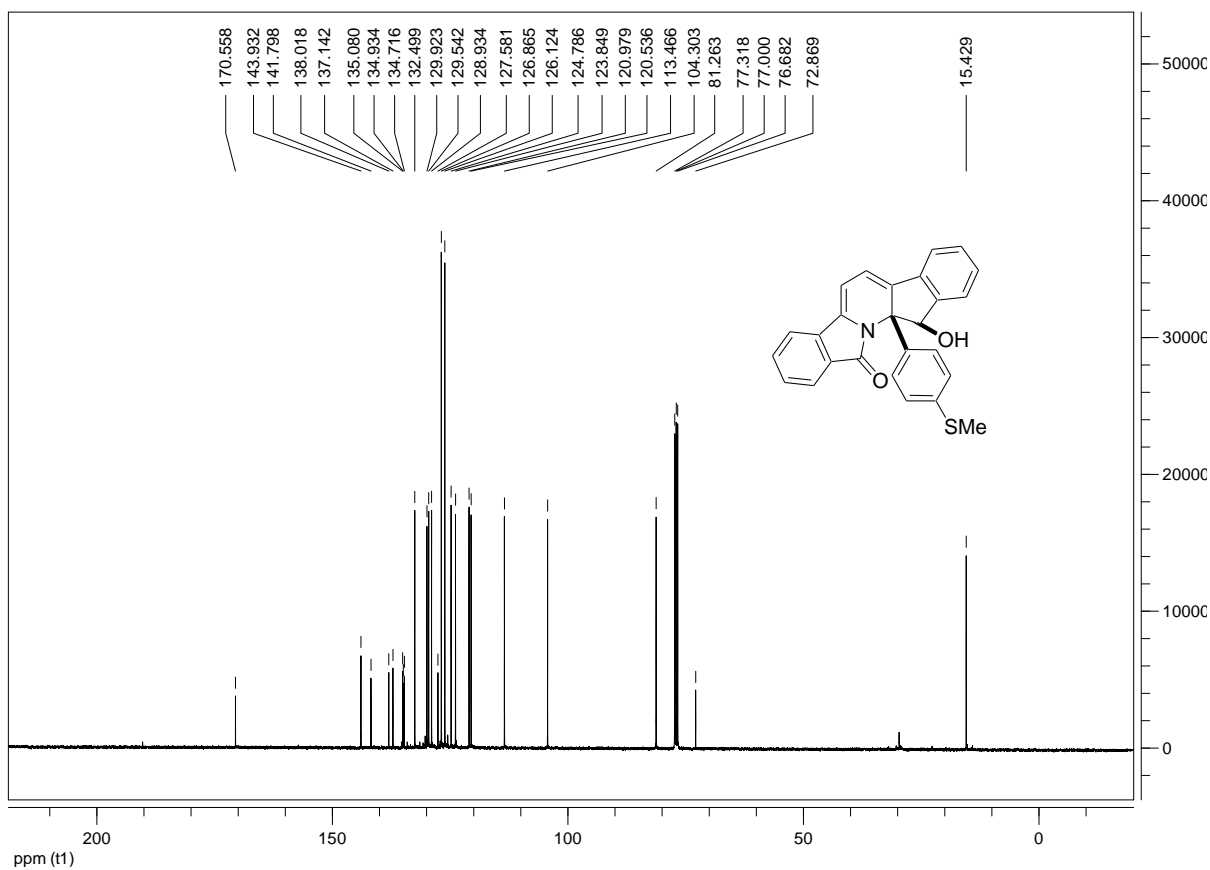
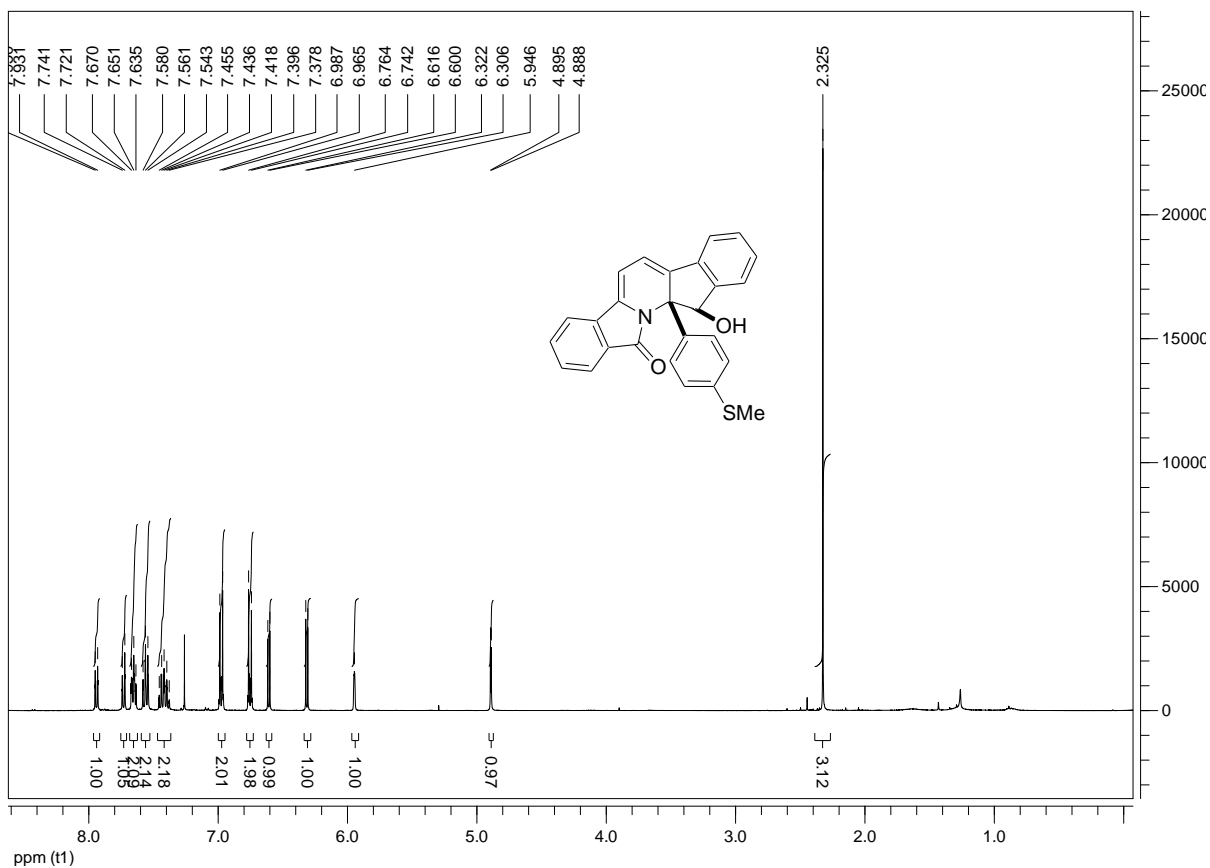
7,8-dihydro-8-hydroxy-7-phenyl-indeno[1',2':4,5]pyrido[2,1-a]isoindol-5-one (15a)



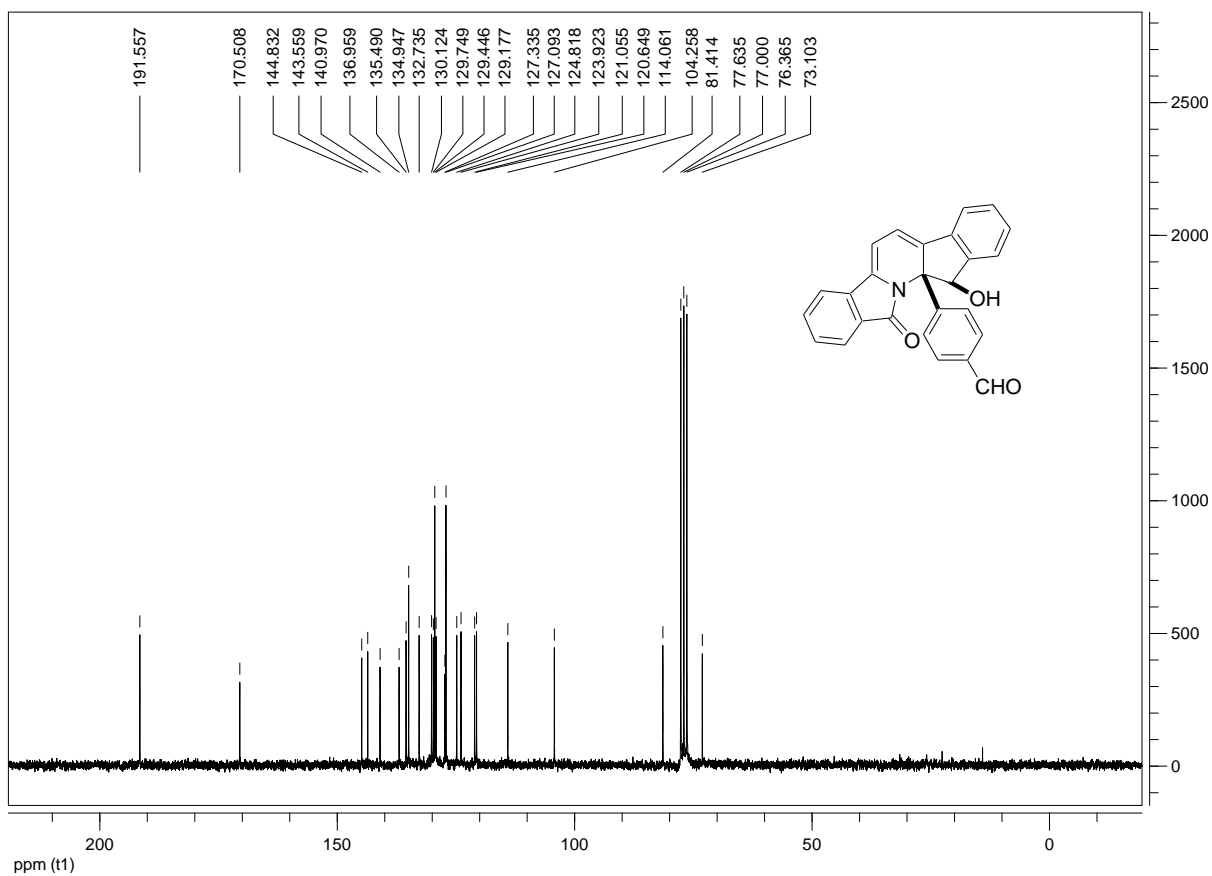
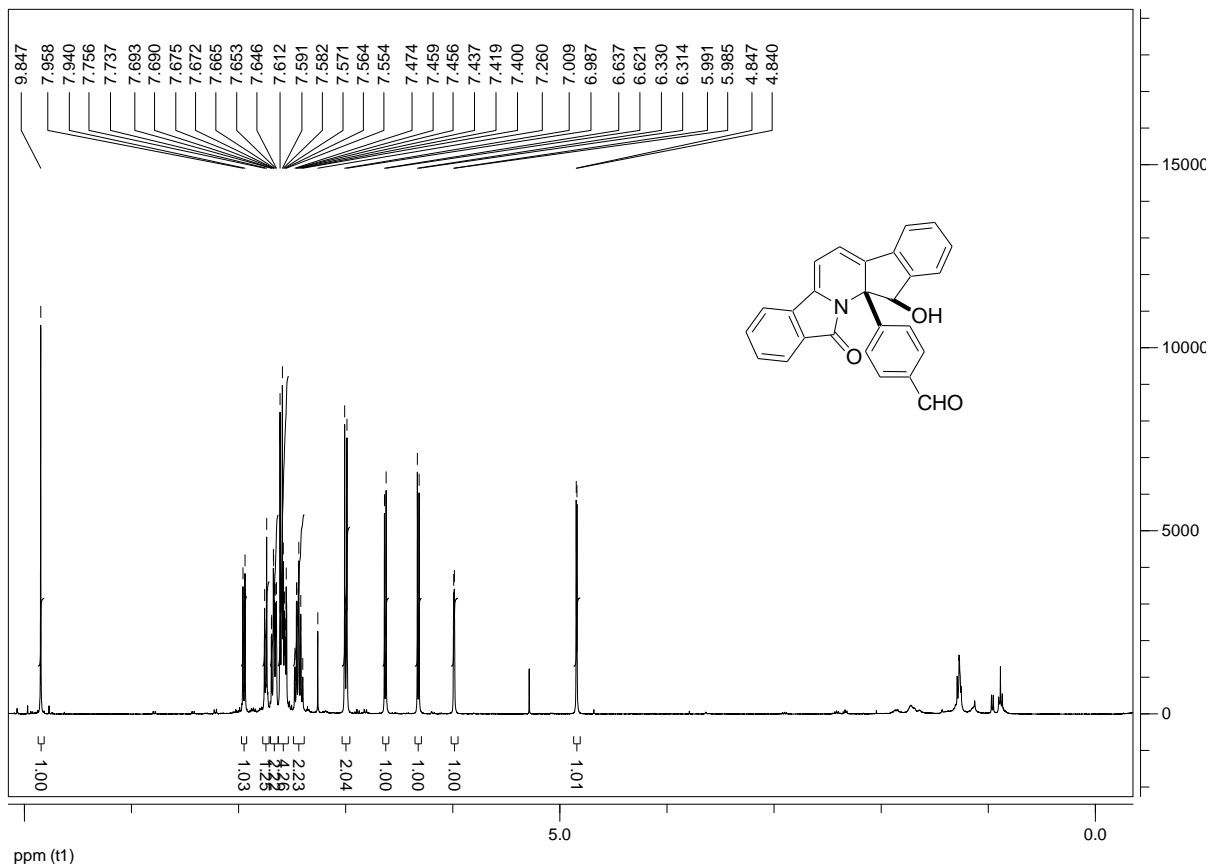
7,8-dihydro-8-hydroxy-7-(4-methoxy-phenyl)-indeno[1',2':4,5]pyrido[2,1-a]isoindol-5-one (15b)



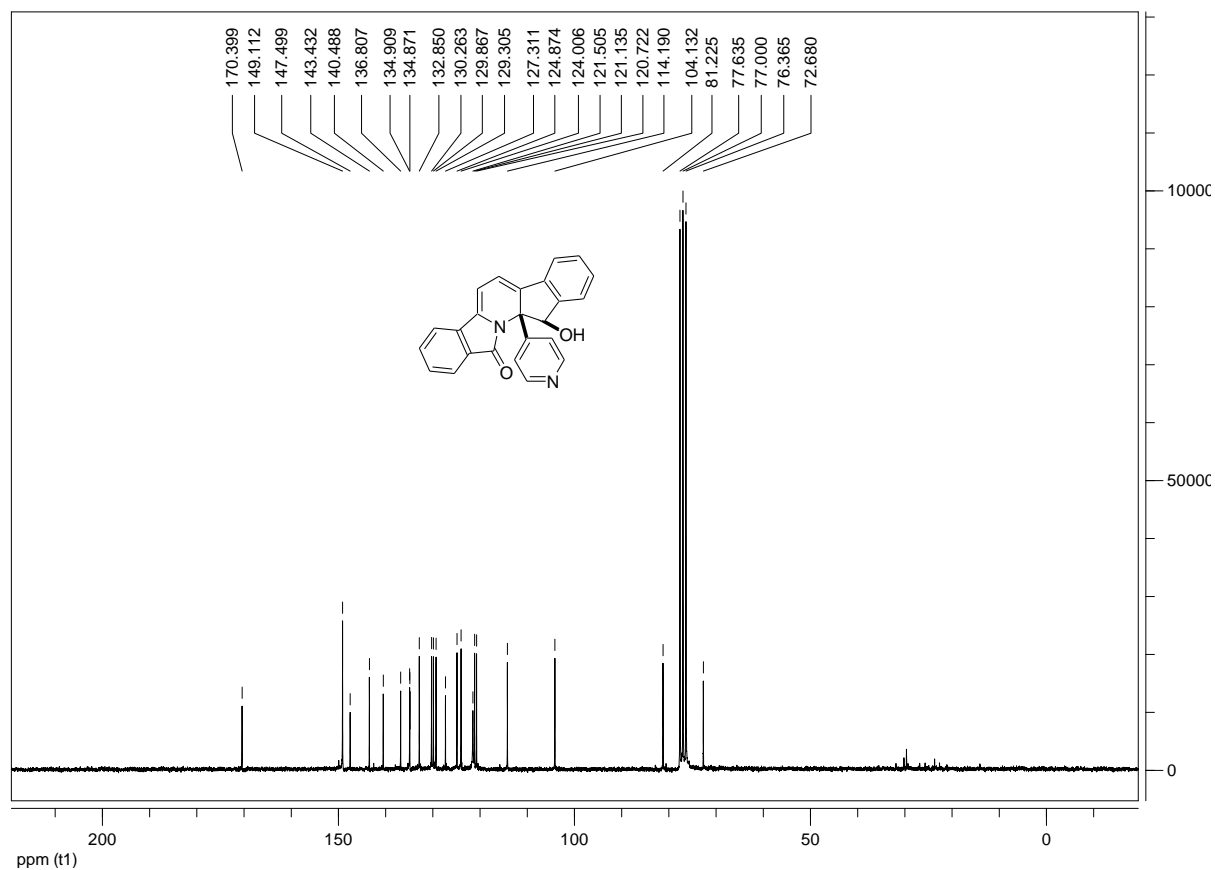
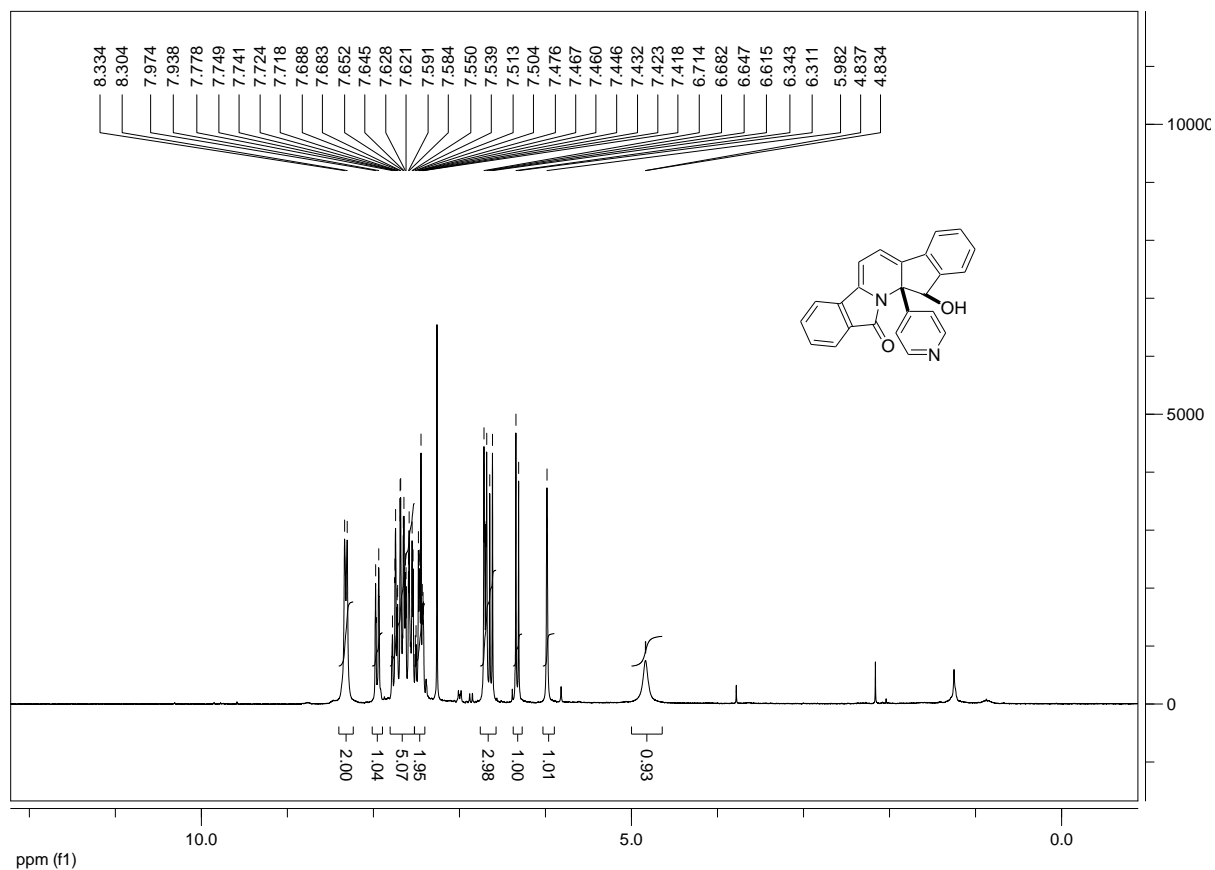
7,8-dihydro-8-hydroxy-7-(4-methylthio-phenyl)-indeno[1',2':4,5]pyrido[2,1-a]isoindol-5-one (15c)



7,8-dihydro-8-hydroxy-7-(4-formyl-phenyl)-7H-indeno[1',2':4,5]pyrido[2,1-a]isoindol-5-one (15d)



7,8-dihydro-8-hydroxy-7-(4-pyridyl)-7H-indeno[1',2':4,5]pyrido[2,1-a]isoindol-5-one (15f)



Single Crystal Diffraction

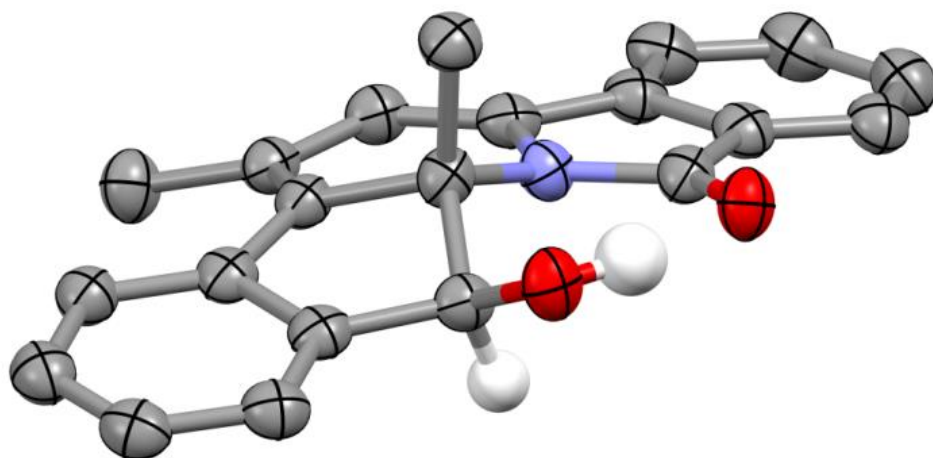


Figure S1: ORTEP plot of **2** (hydrogen atoms, except those involved in internal hydrogen bond or belonging to the sp^3 backbone carbon atom are omitted for clarity); displacement ellipsoids set at 50% probability.

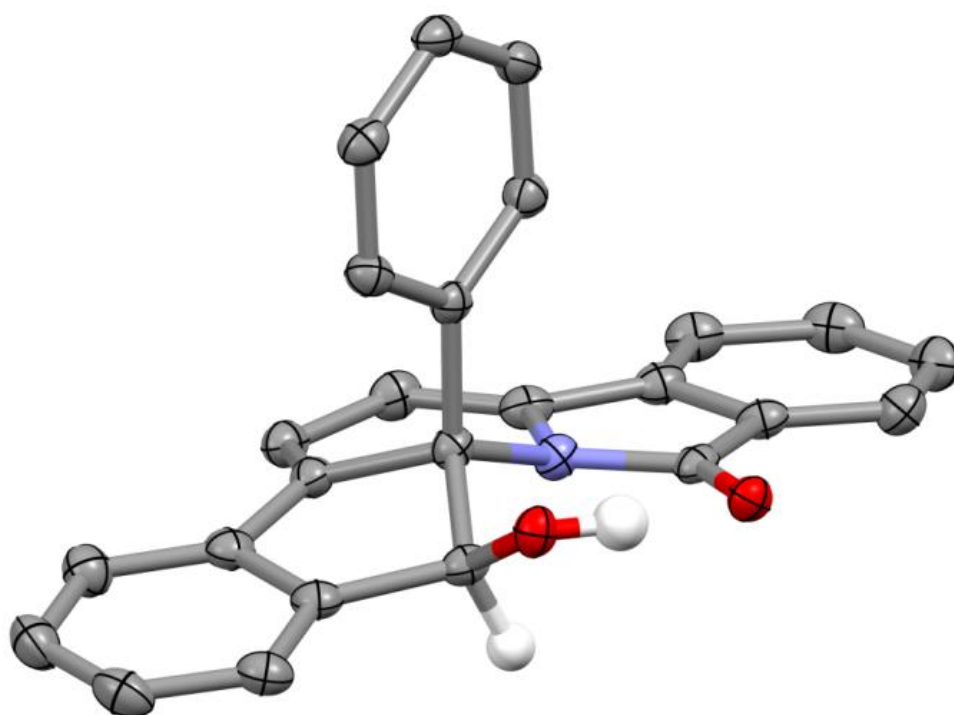


Figure S2: ORTEP plot of **15a** (hydrogen atoms, except those involved in internal hydrogen bond or belonging to the sp^3 carbon atom are omitted for clarity); displacement ellipsoids set at 50% probability.

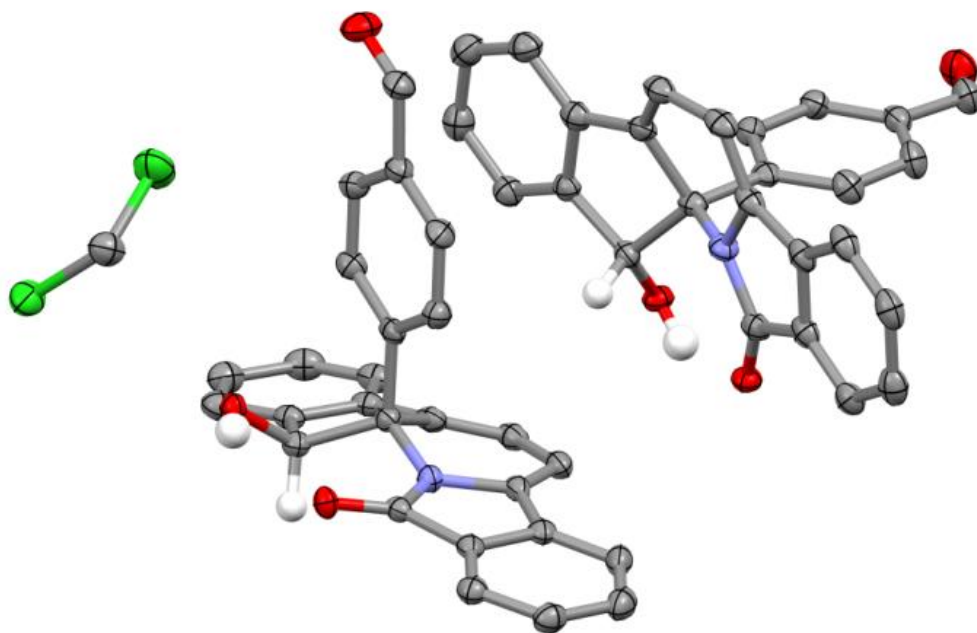


Figure S3: ORTEP plot of **15d** (hydrogen atoms, except those involved in internal hydrogen bond or belonging to the sp^3 carbon atom are omitted for clarity); displacement ellipsoids set at 50% probability.