10.1071/CH12476_AC
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Australian Journal of Chemistry 2013, 66(4), 436-442

SUPPLEMENTARY MATERIAL

Coordination Polymers of Silver (I) with Flexible Tritopic Ligand 1,3,5-Tri(4-cyanophenoxy)benzene: Guest Inclusion and Luminescent Properties

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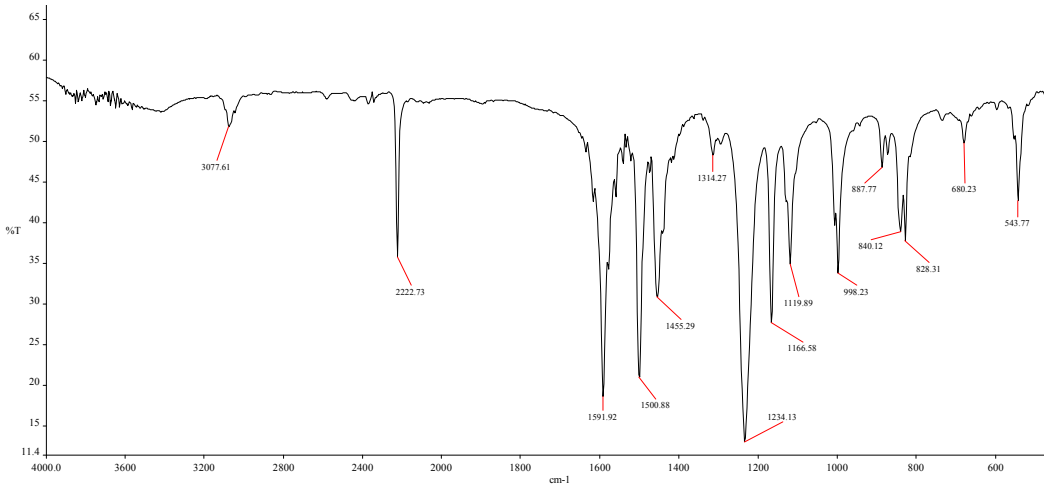
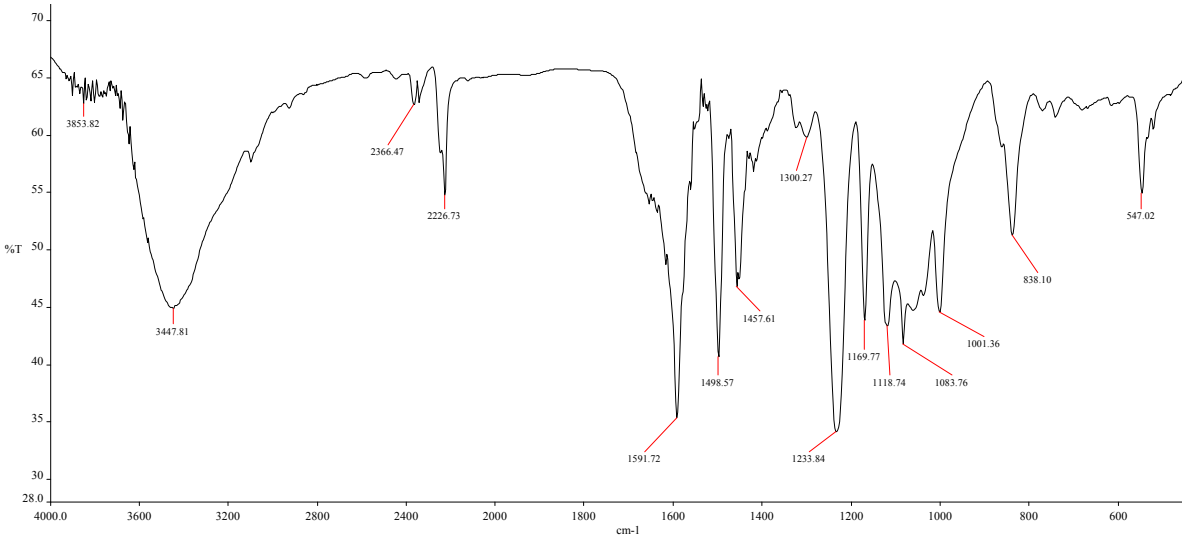
FT-IR Spectra of 1-3.

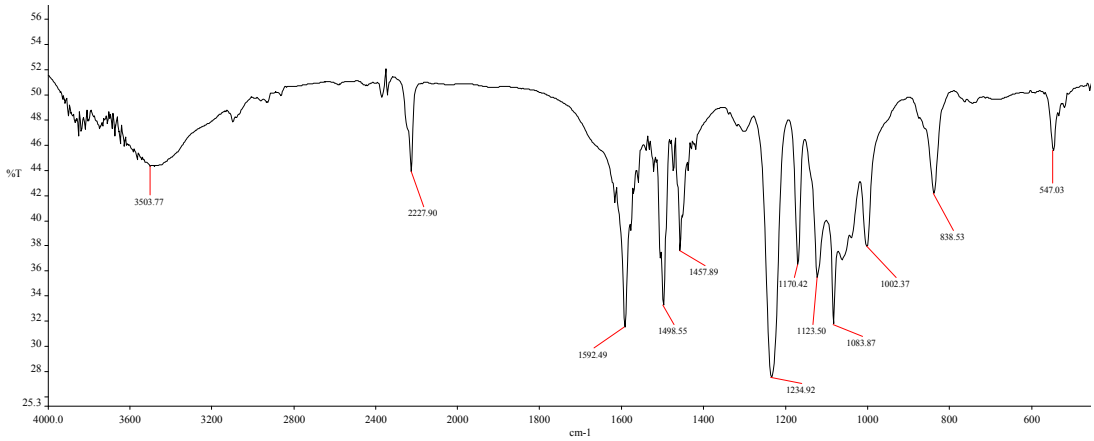
Compound-1:



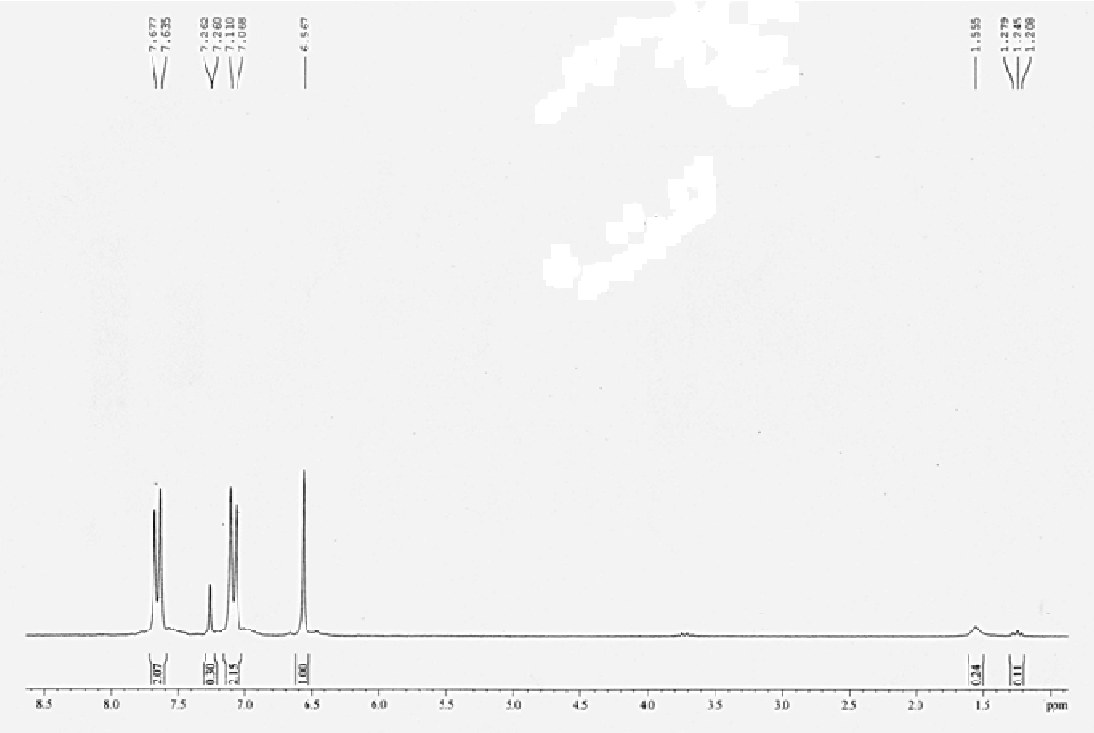
Compound-2:



Compound-3:



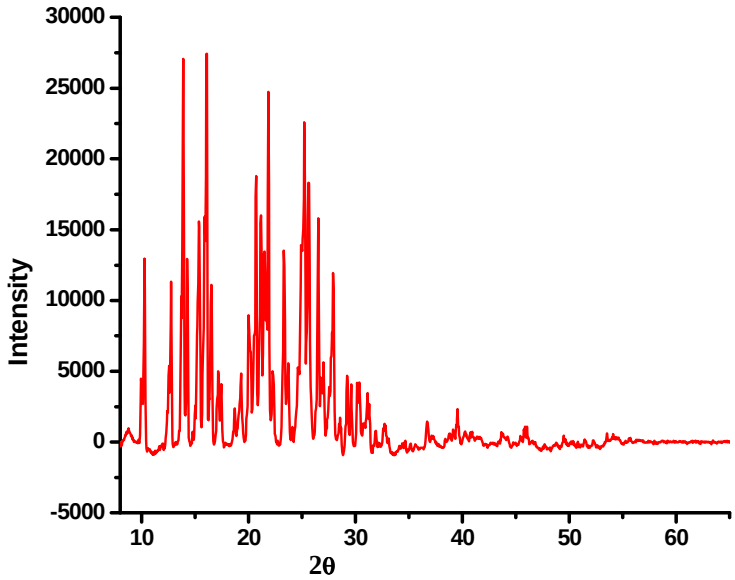
^{1}H NMR ($CDCl_3$) spectrum of 1:



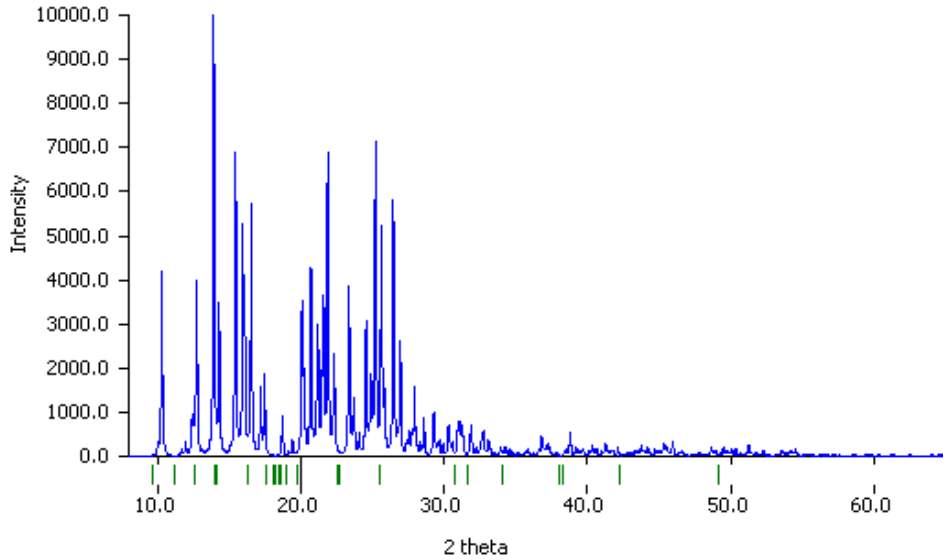
Powder x-ray patterns for 1 and 3:

Compound-1:

Observed:

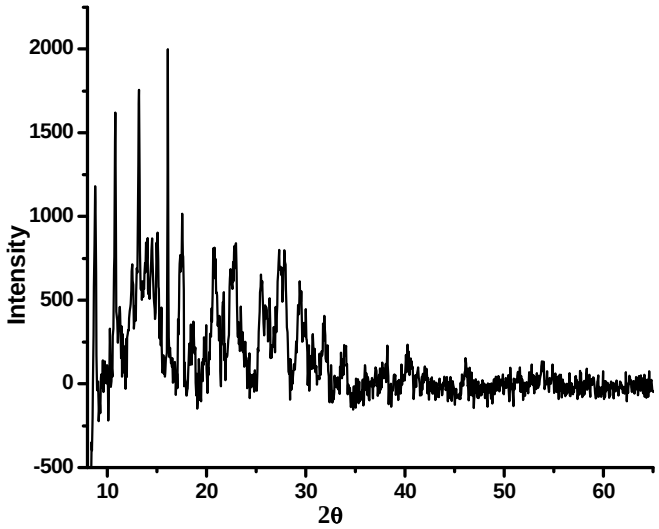


Calculated:

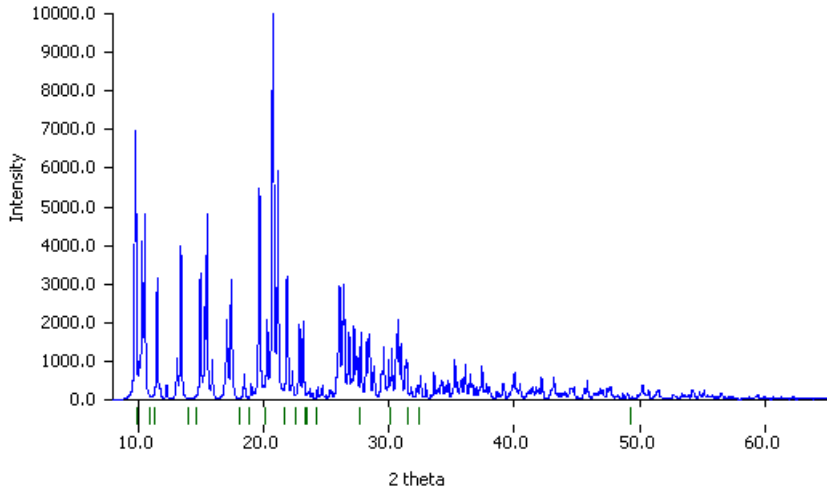


Compound-3:

Observed:

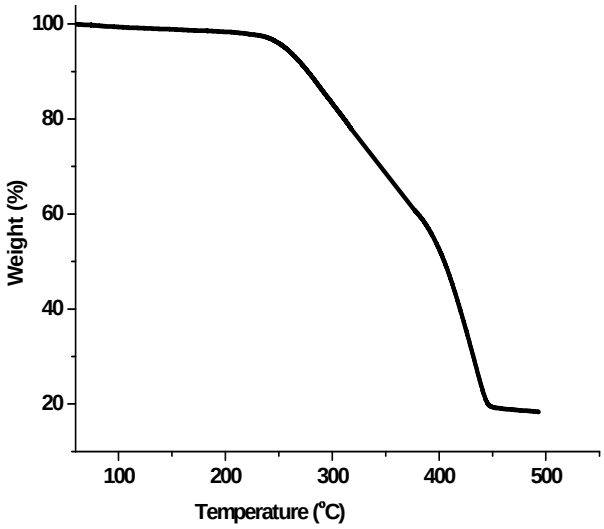


Calculated:

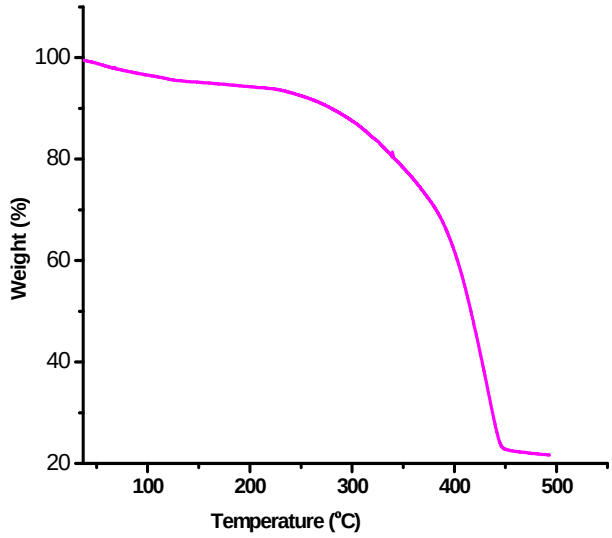


TGA profiles of 2 and 3:

Compound-2:



Compound-3:



In both case DCM lost before the TGA measurement. For complex **2,** the thermogravimetric analysis (TGA) shows that first weight loss of 8.31% occurs from 95 to 272 °C which corresponds to the loss of the toluene guest molecules. For complex **3,** the thermogravimetric analysis (TGA) shows that first weight loss of 6.52% occurs from 78 to 222 °C which corresponds to the loss of the benzene guest molecules.