#### **Supplementary Data**

# Electrochemical Detection of Mercuric (II) Ions in Aqueous Media Using Glassy Carbon Electrode Modified With Synthesized Tribenzamides and Silver Nanoparticles

Aalia Manzoor <sup>a</sup>, Tayyaba Kokab <sup>a</sup>, Anam Nawab <sup>a</sup>, Afzal Shah <sup>a, \*</sup>, Humaira Masood Siddiqi <sup>a, \*</sup> and Asma Iqbal <sup>a, b</sup>

- <sup>a</sup> Department of Chemistry, Quaid-i-Azam University, Islamabad, 45320, Pakistan
- <sup>b</sup> School of Chemistry and Chemical Engineering and State Key Laboratory of Metal Matrix Composites, Shanghai Jiao Tong University, Shanghai, 200240, P. R. China
- \* Corresponding author's E. mail addresses: <u>afzals\_qau@yahoo.com (Afzal Shah)</u> <u>humairas@qau.edu.pk</u> (Humaira Masood Siddiqi)

#### <sup>1</sup>H NMR spectrum of BODA

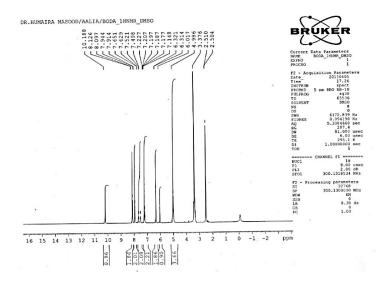


Figure 1: <sup>1</sup>H NMR spectrum of BODA

### <sup>13</sup>C NMR spectrum of BODA

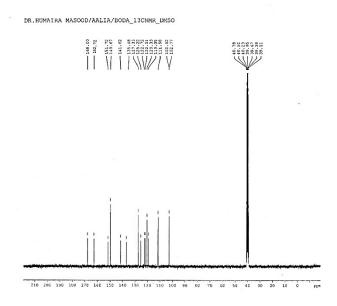


Figure 2: <sup>13</sup>C NMR spectrum of BODA

# <sup>1</sup>H NMR spectrum of TBa

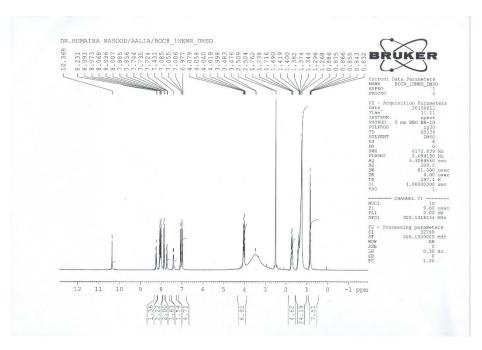


Figure 3: <sup>1</sup>H NMR spectrum of TBa

### <sup>13</sup>C NMR spectrum of TBa

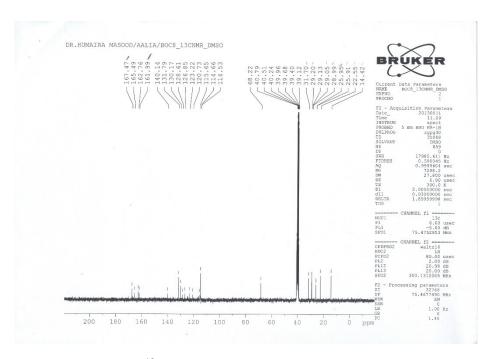


Figure 4: <sup>13</sup>C NMR spectrum of TBa

# <sup>1</sup>H NMR spectrum of TBb

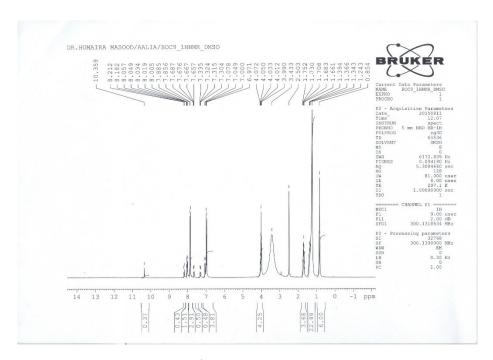


Figure 5: <sup>1</sup>H NMR spectrum of TBb

# <sup>13</sup>C NMR spectrum of TBb

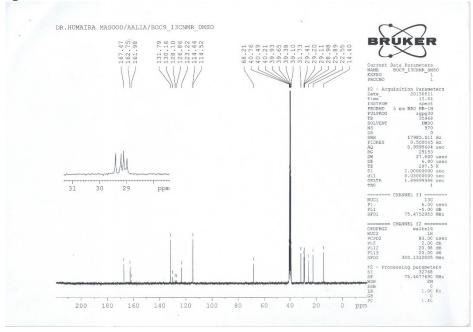


Figure 6: <sup>13</sup>C NMR spectrum of TBb

### <sup>1</sup>H NMR spectrum of TBc

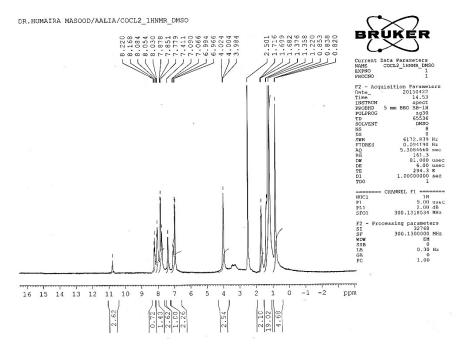


Figure 7: <sup>1</sup>H NMR spectrum of TBc

#### <sup>13</sup>C NMR spectrum of TBc

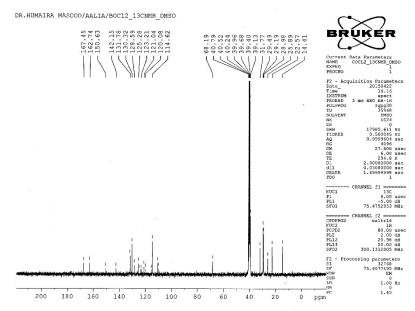


Figure 8: <sup>13</sup>C NMR spectrum of TBc