

## Supplementary Material

### Novel and Simple Synthesis of Brominated 1,10-Phenanthrolines

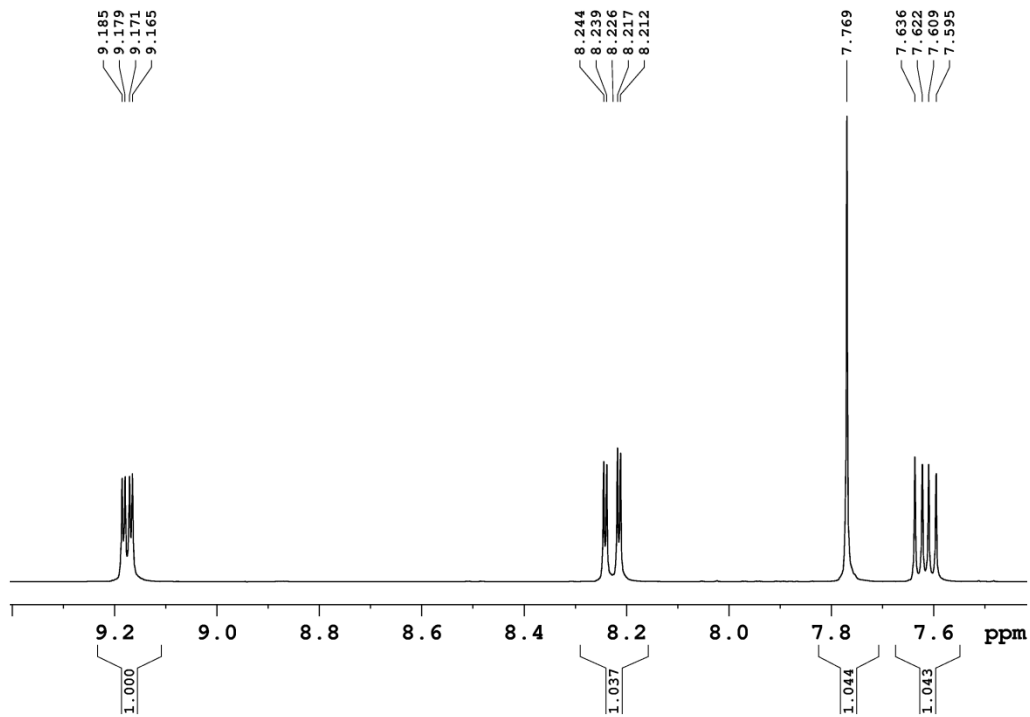
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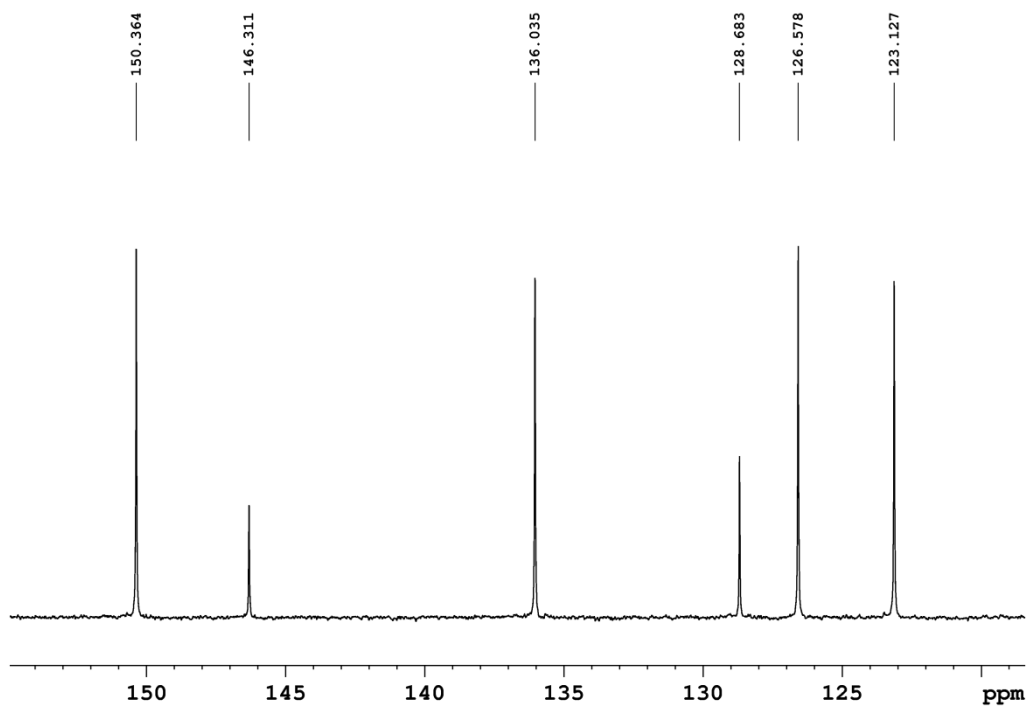
<sup>B</sup>Corresponding authors. Email: [vyprachticky@imc.cas.cz](mailto:vyprachticky@imc.cas.cz); [cimrova@imc.cas.cz](mailto:cimrova@imc.cas.cz)

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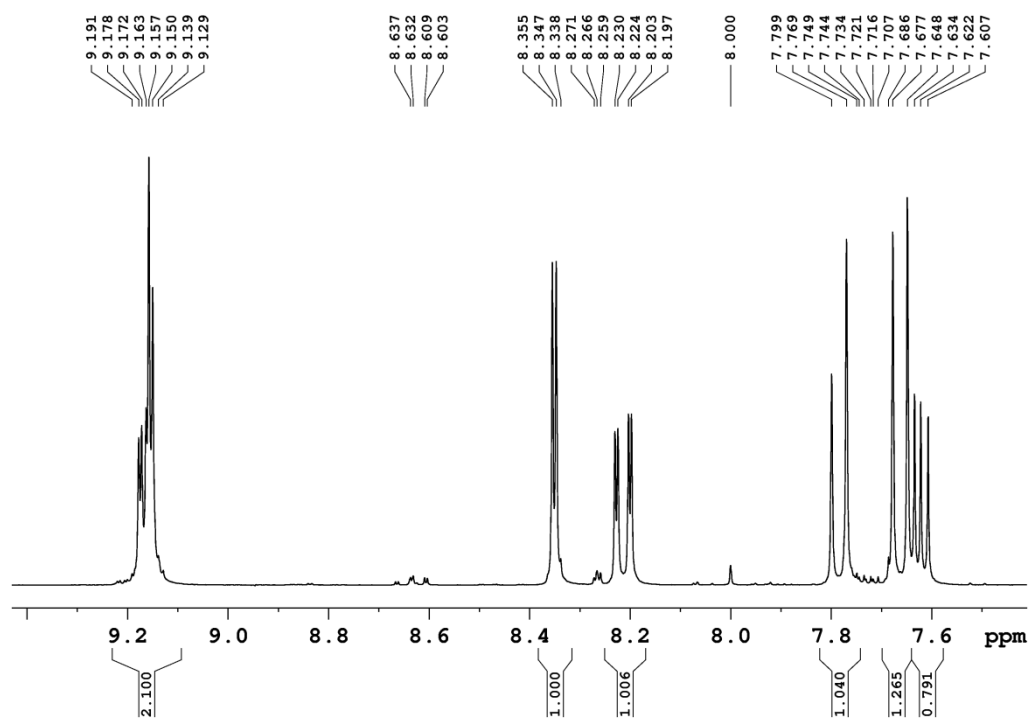
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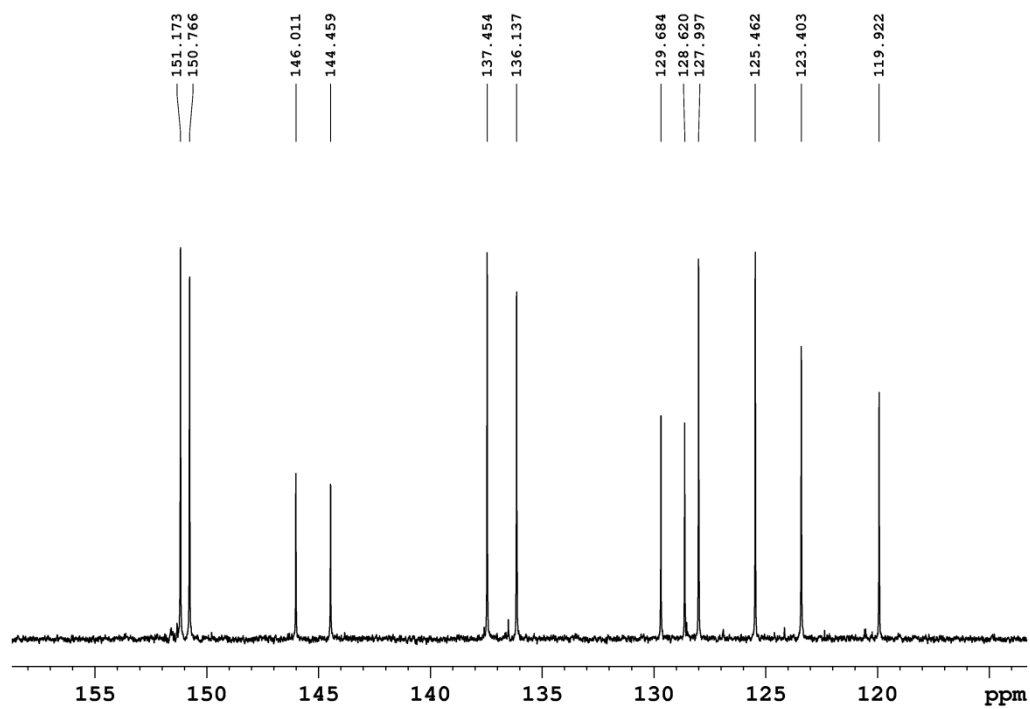
$^1\text{H}$  NMR spectrum of 1,10-phenanthroline (**1**) in  $\text{CDCl}_3$



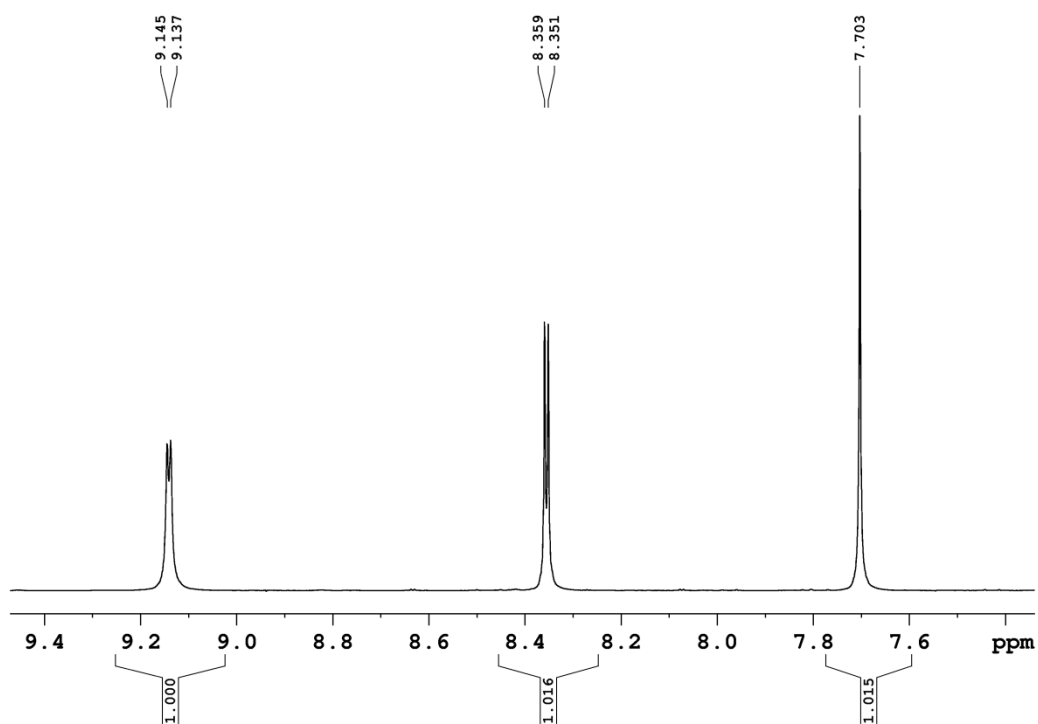
$^{13}\text{C}$  NMR spectrum of 1,10-phenanthroline (**1**) in  $\text{CDCl}_3$



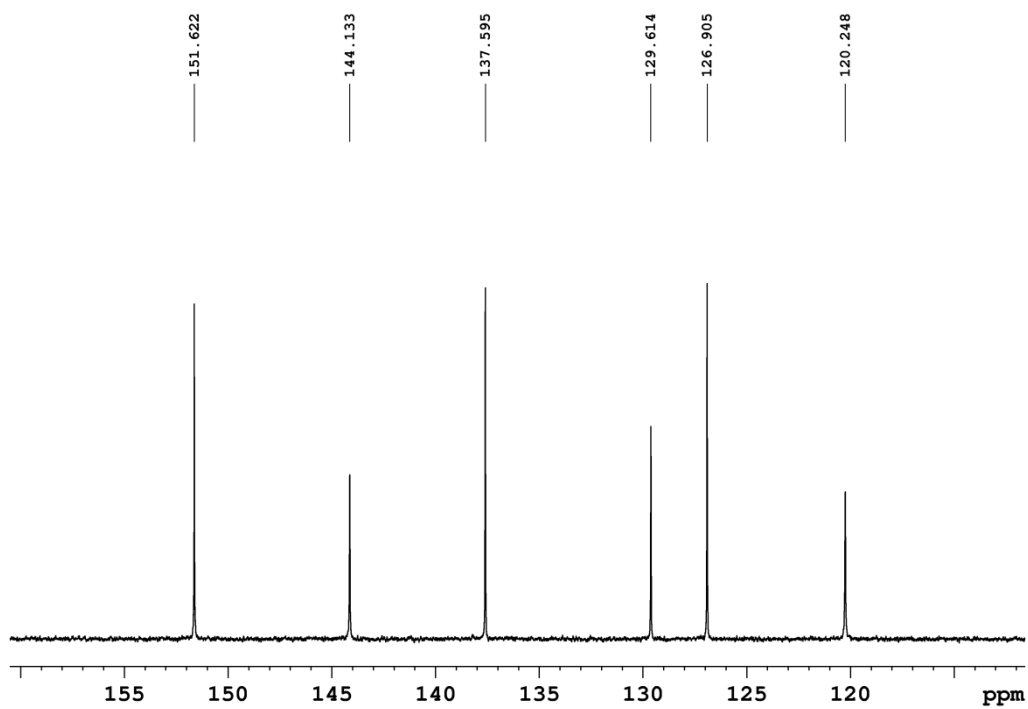
$^1\text{H}$  NMR spectrum of 3-bromo-1,10-phenanthroline (**2**) in  $\text{CDCl}_3$



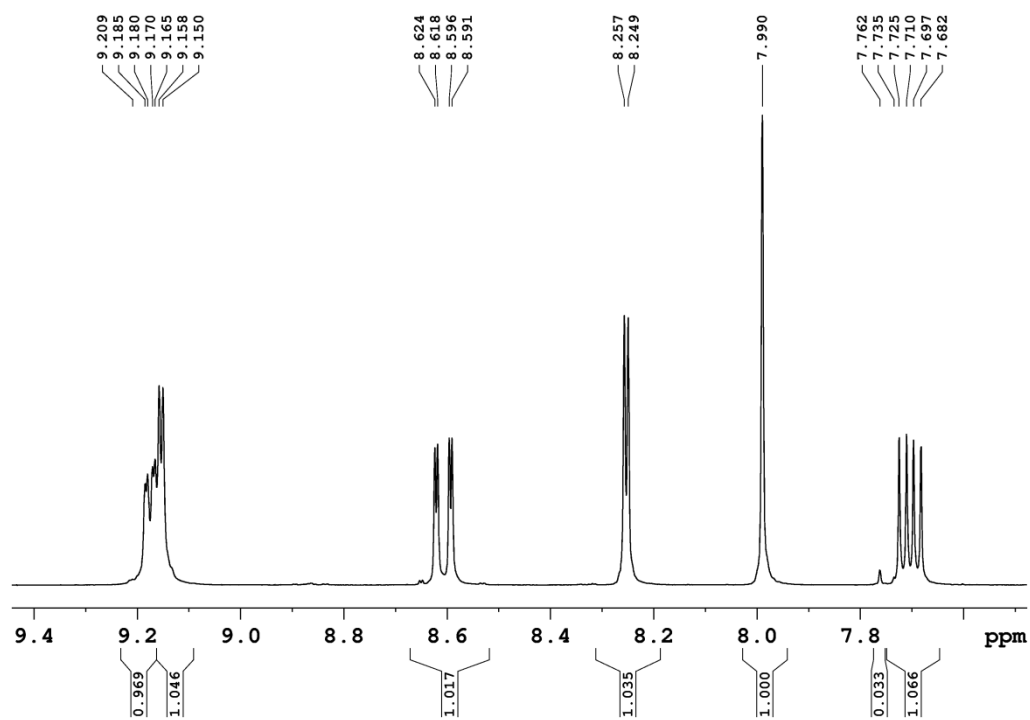
$^{13}\text{C}$  NMR spectrum of 3-bromo-1,10-phenanthroline (**2**) in  $\text{CDCl}_3$



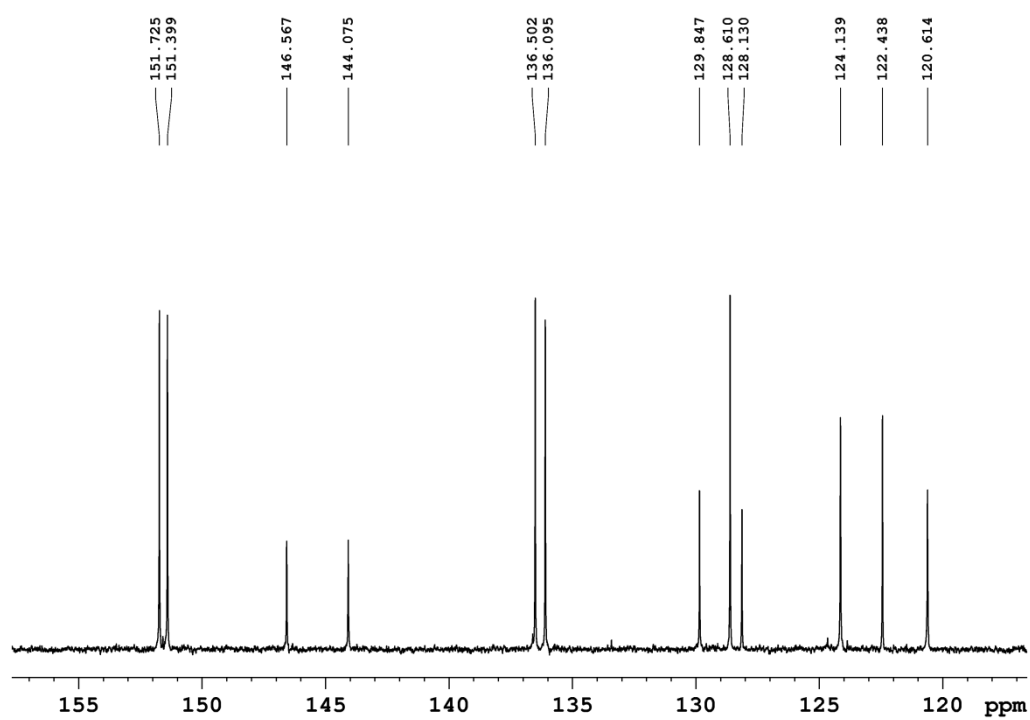
<sup>1</sup>H NMR spectrum of 3,8-dibromo-1,10-phenanthroline (**3**) in CDCl<sub>3</sub>



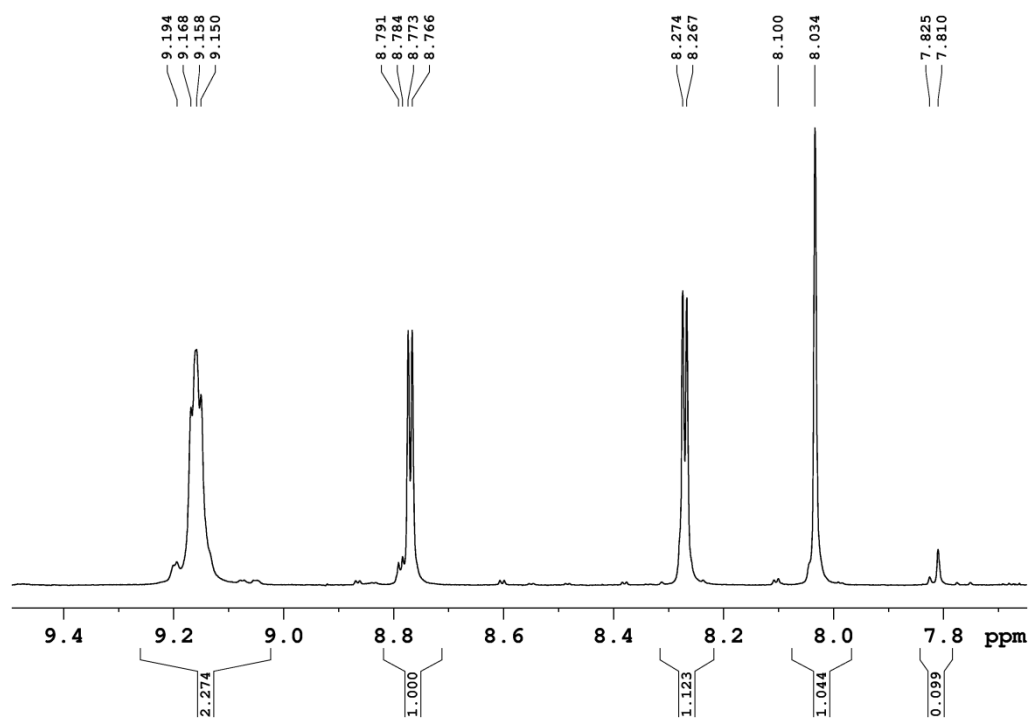
<sup>13</sup>C NMR spectrum of 3,8-dibromo-1,10-phenanthroline (**3**) in CDCl<sub>3</sub>



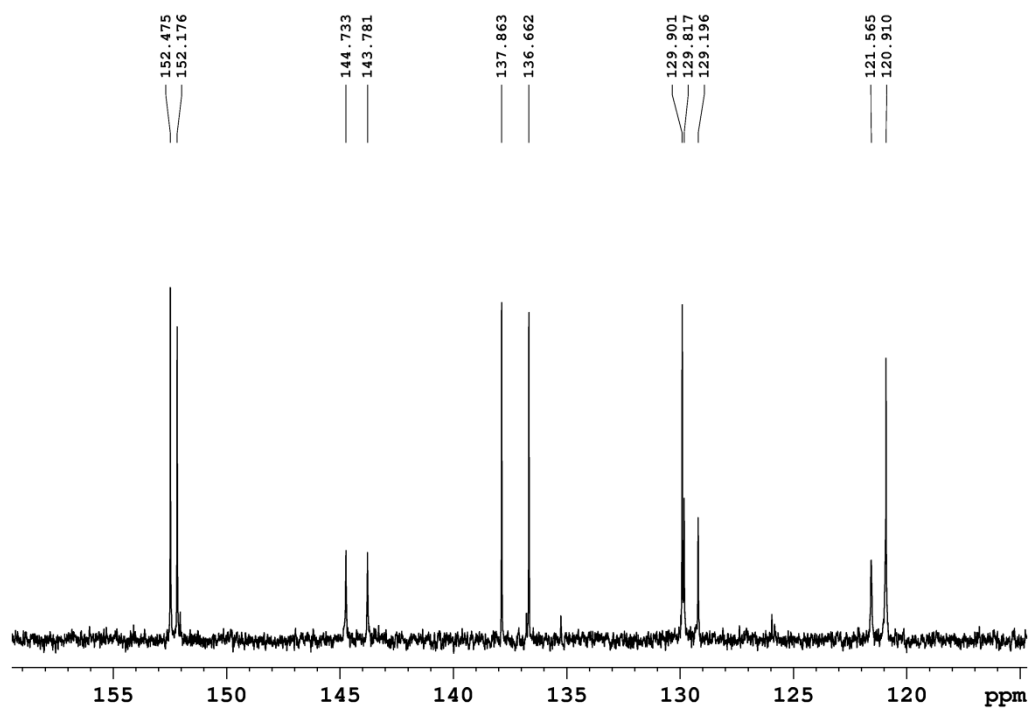
$^1\text{H}$  NMR spectrum of 3,6-dibromo-1,10-phenanthroline (**4**) in  $\text{CDCl}_3$



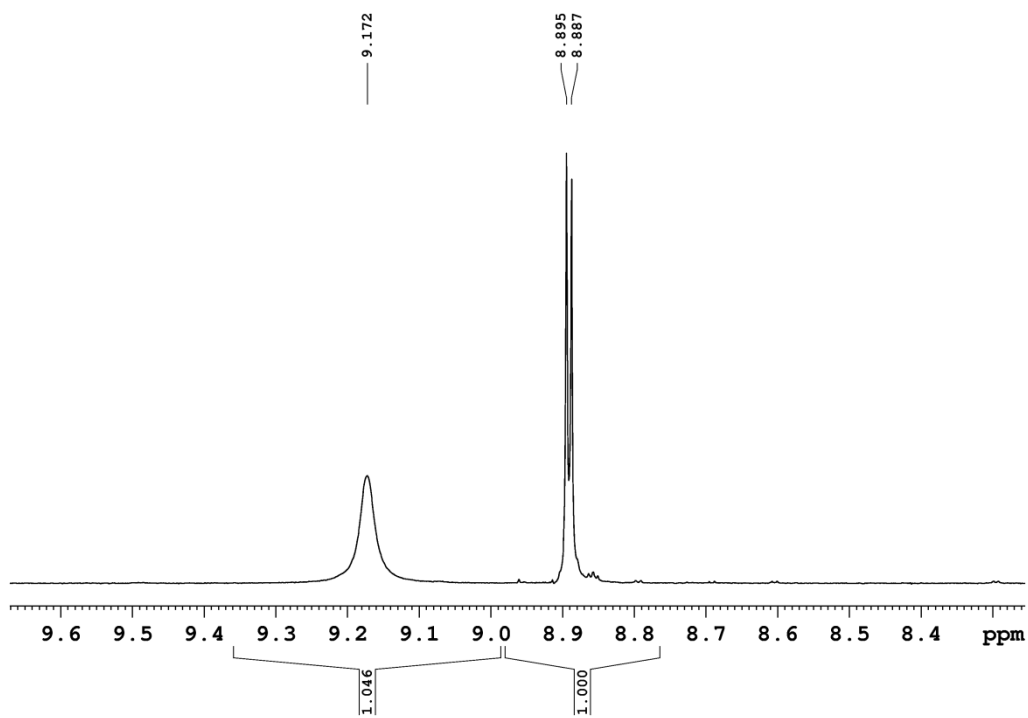
$^{13}\text{C}$  NMR spectrum of 3,6-dibromo-1,10-phenanthroline (**4**) in  $\text{CDCl}_3$



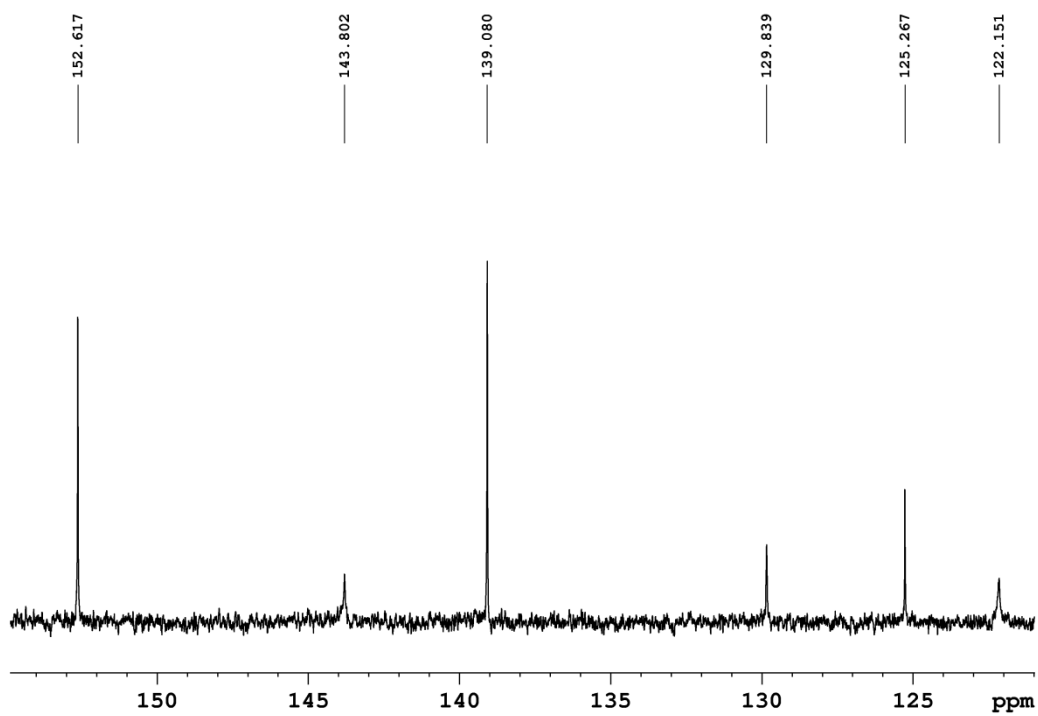
$^1\text{H}$  NMR spectrum of 3,5,8-tribromo-1,10-phenanthroline (**5**) in  $\text{CDCl}_3$



$^{13}\text{C}$  NMR spectrum of 3,5,8-tribromo-1,10-phenanthroline (**5**) in  $\text{CDCl}_3$



<sup>1</sup>H NMR spectrum of 3,5,6,8-tetrabromo-1,10-phenanthroline (**6**) in CDCl<sub>3</sub>



<sup>13</sup>C NMR spectrum of 3,5,6,8-tetrabromo-1,10-phenanthroline (**6**) in CDCl<sub>3</sub>

