

**Supporting information**

**Aqueous polyfluorene probe for the detection and estimation of Fe<sup>3+</sup> and inorganic phosphate in blood serum**

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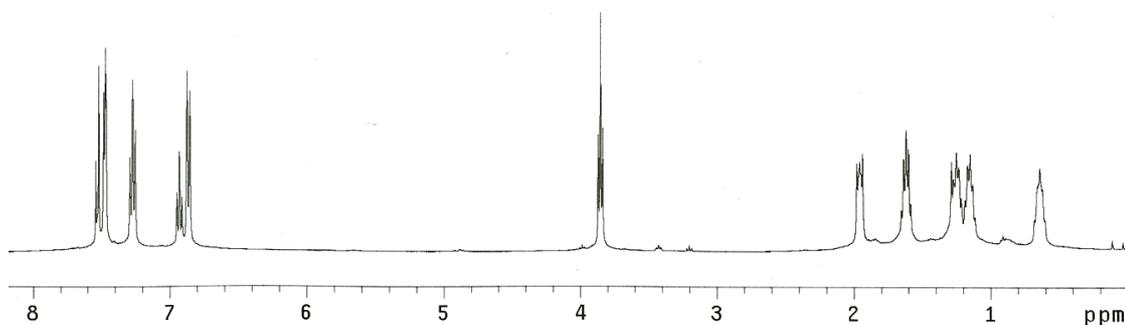
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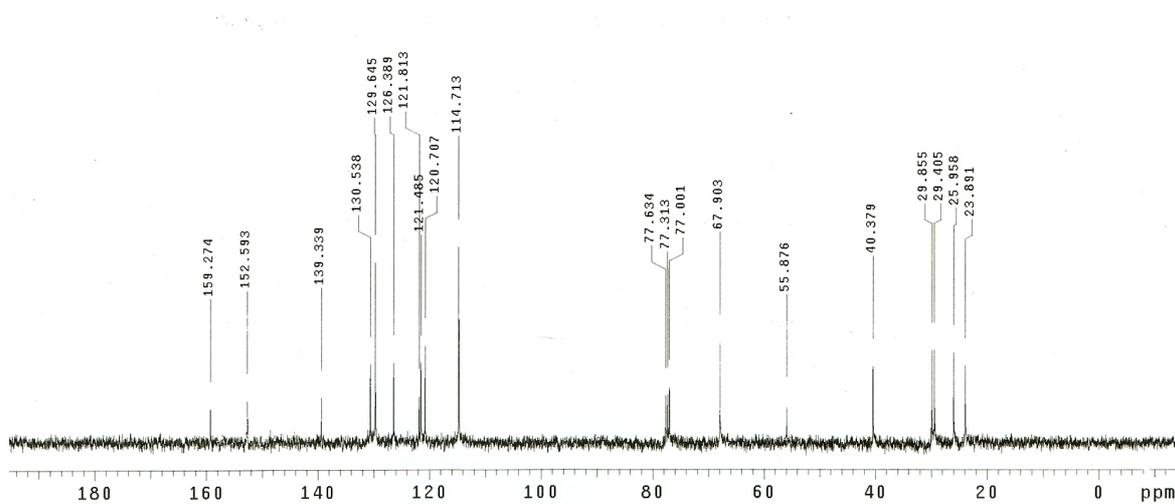
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**Supporting Information spectra**

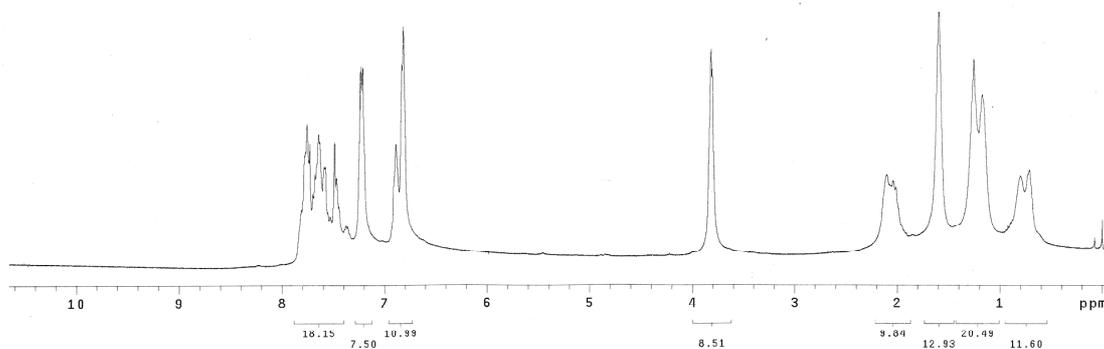
**1.  $^1\text{H}$ NMR of 2,7-dibromo-9,9-bis(6-phenoxyhexyl)-9H-fluorene, 1**



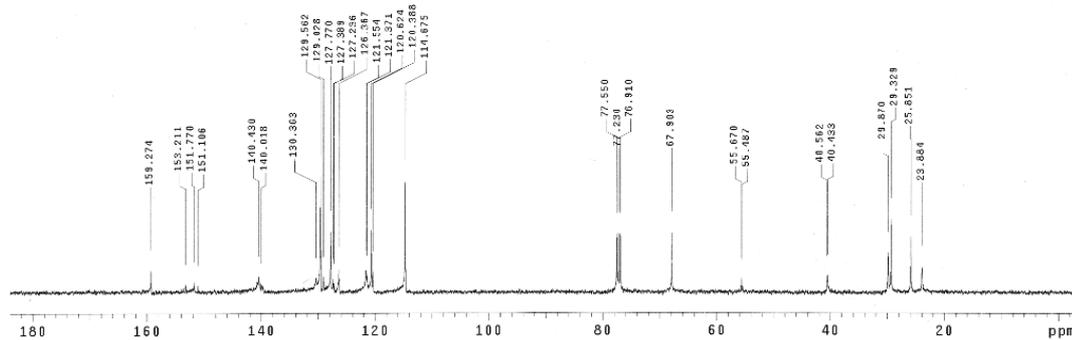
**2.  $^{13}\text{C}$ NMR of 2,7-dibromo-9,9-bis(6-phenoxyhexyl)-9H-fluorene, 1**



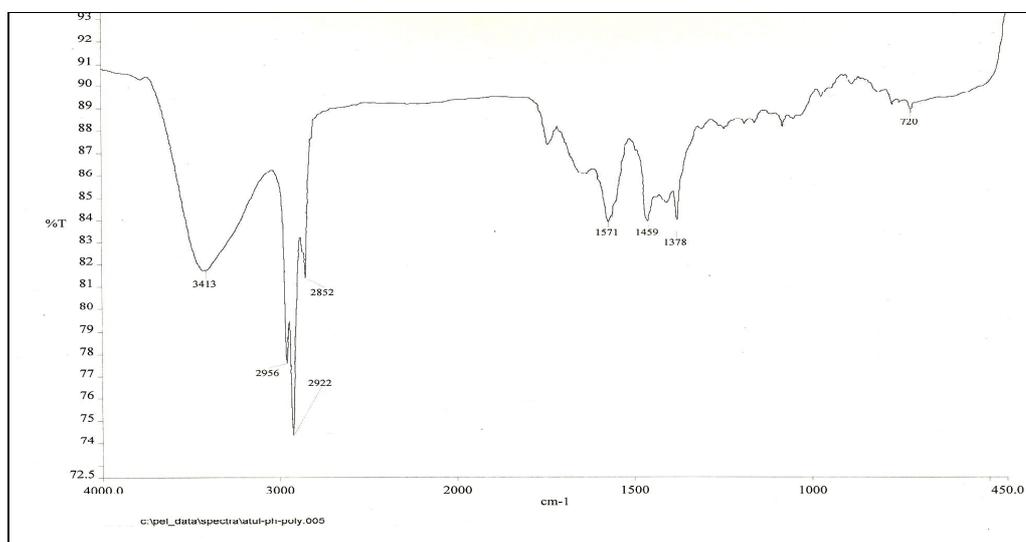
### 3. $^1\text{H}$ NMR of polymer P0



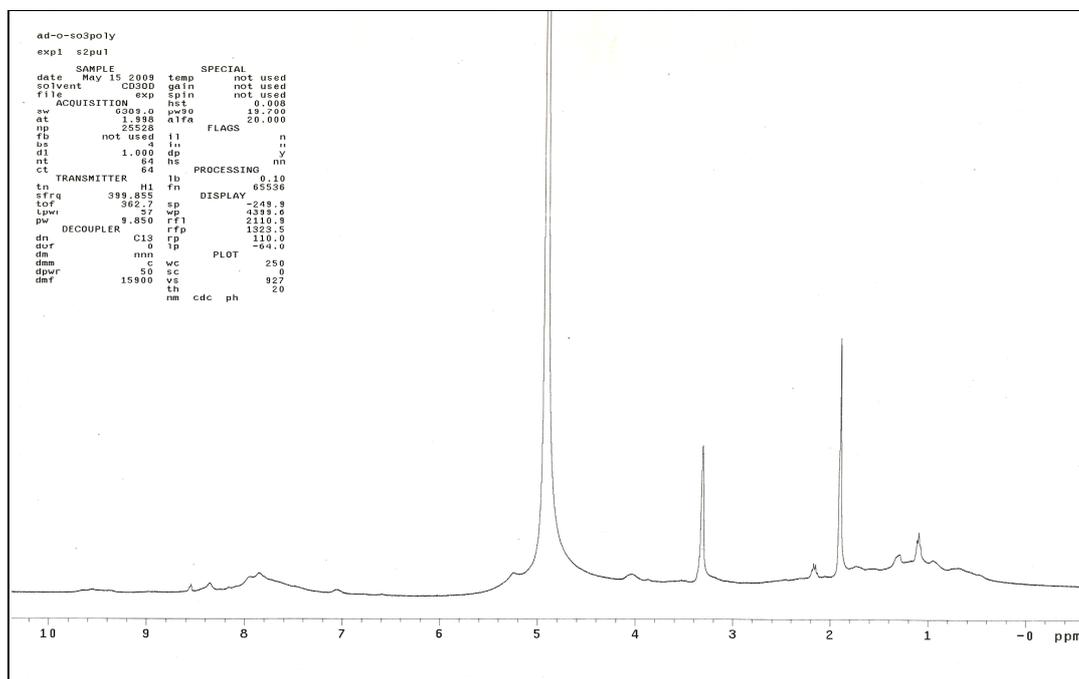
### 4. $^{13}\text{C}$ NMR of polymer P0



### 5. FTIR Spectra of polymer P0



## 6. $^1\text{H}$ NMR of polymer P1



## 7. FTIR Spectra of polymer P1

