

Supporting Information

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Heat gun-assisted rapid efficient synthesis of tetra-substituted Zinc(II) phthalocyanines functionalized with alkylthio or alkoxy chains

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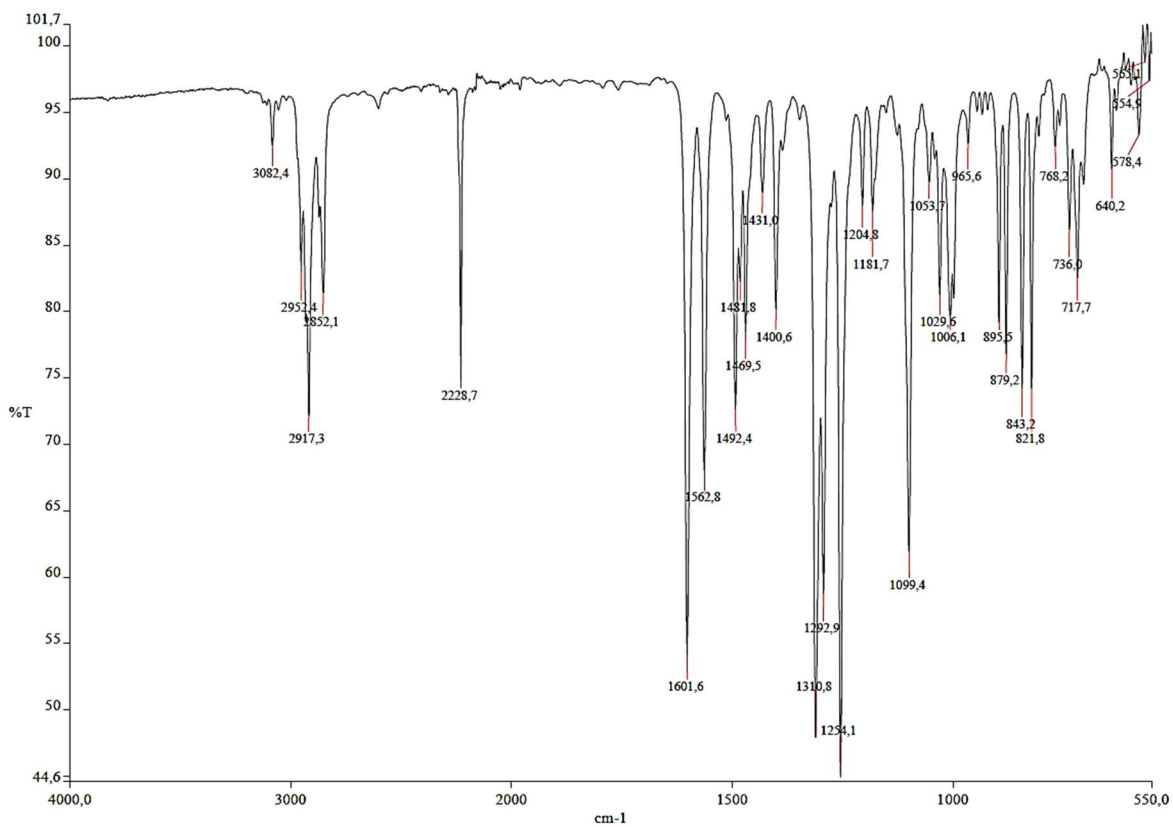


Figure S1: IR ATR spectrum for compound 1a.

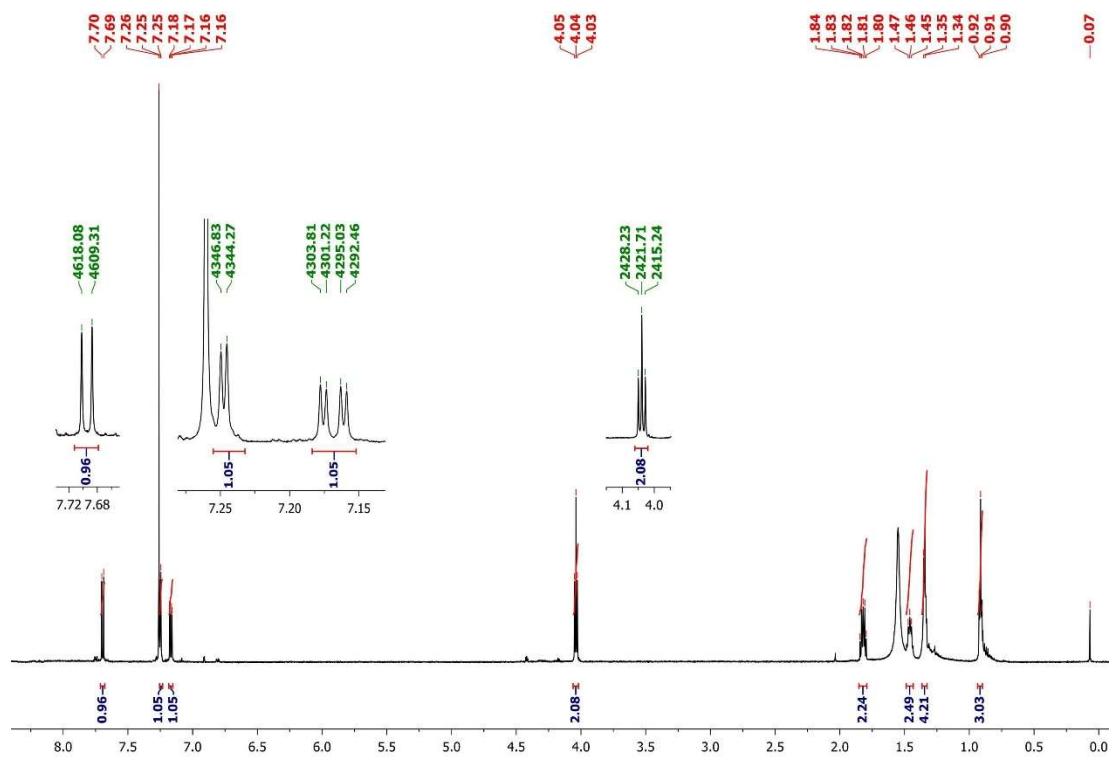


Figure S2: ¹H NMR spectrum for compound 1a.

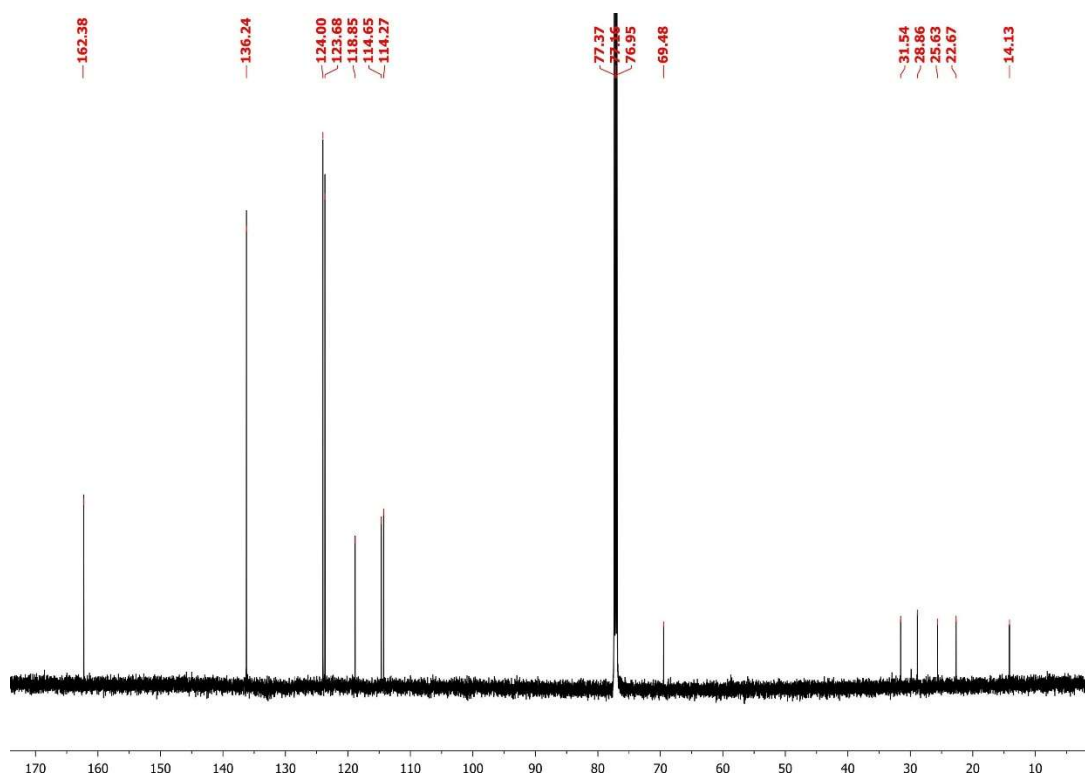


Figure S3: ^{13}C NMR spectrum for compound **1a**.

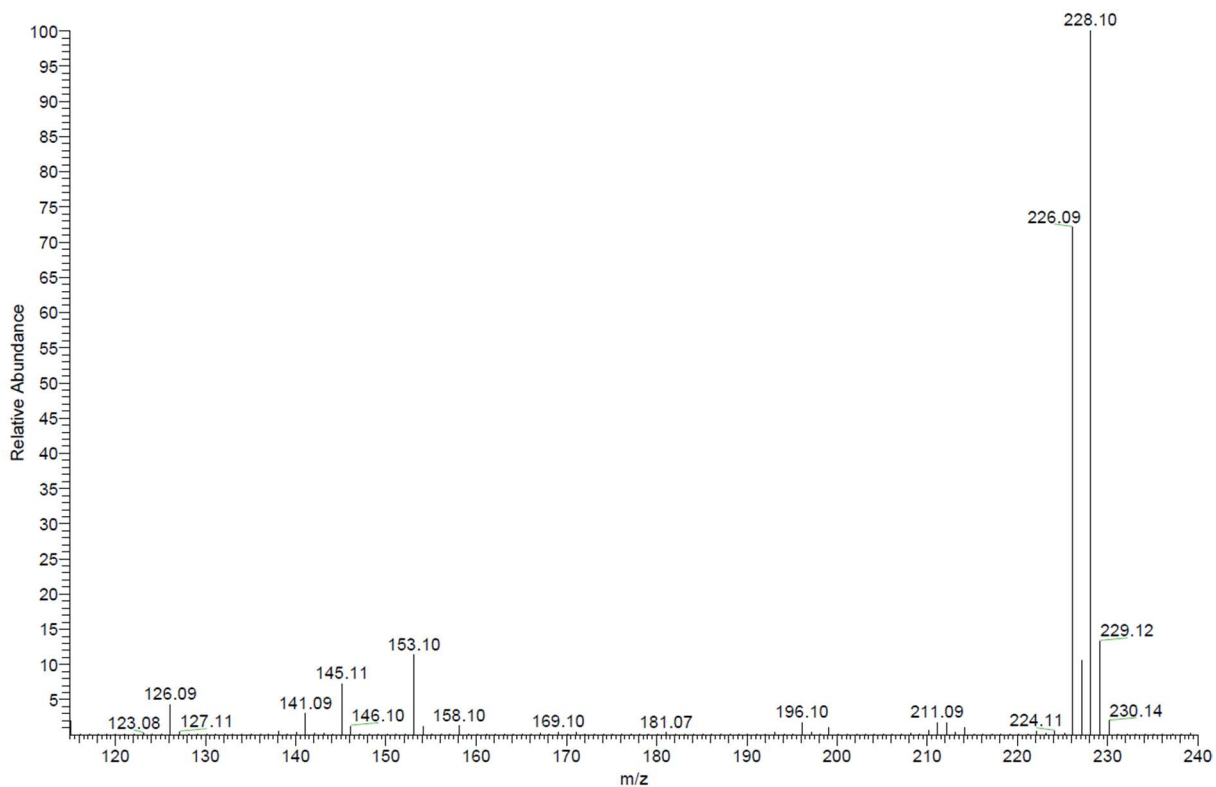


Figure S4: Ms spectrum for compound **1a**.

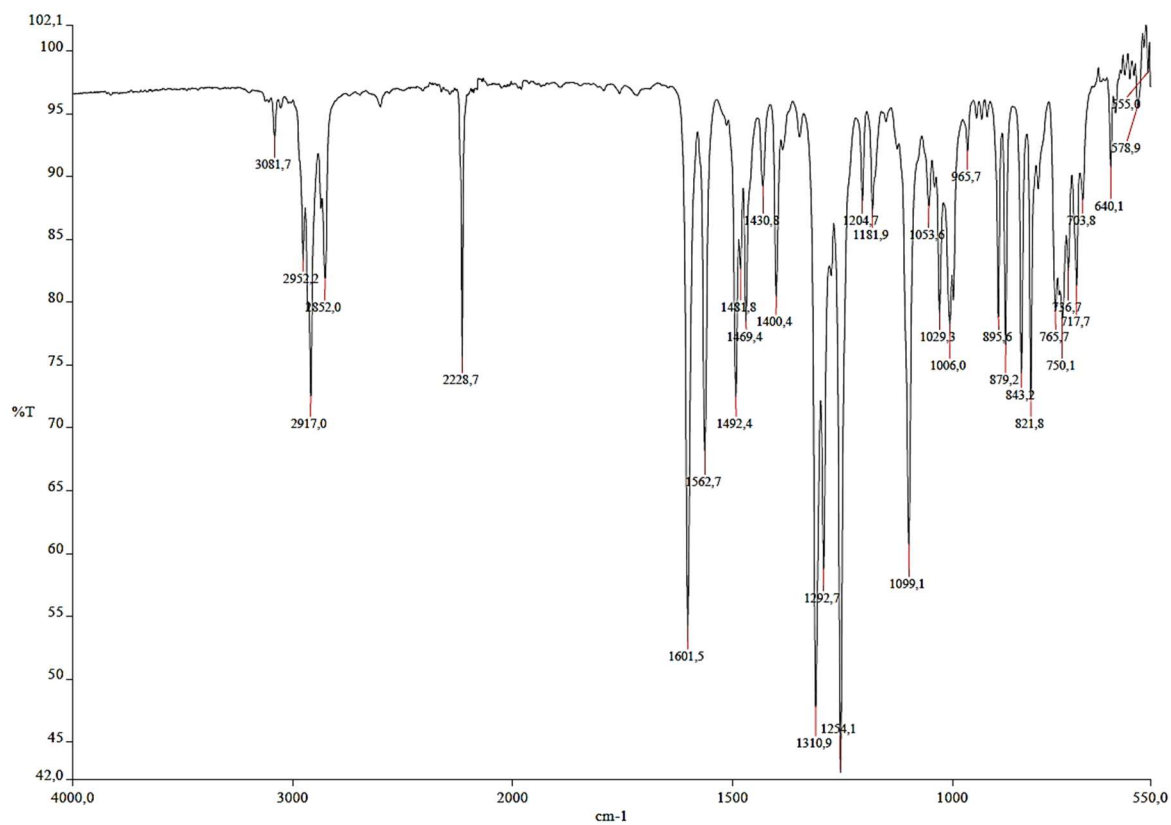


Figure S5: IR ATR spectrum for compound 2a.

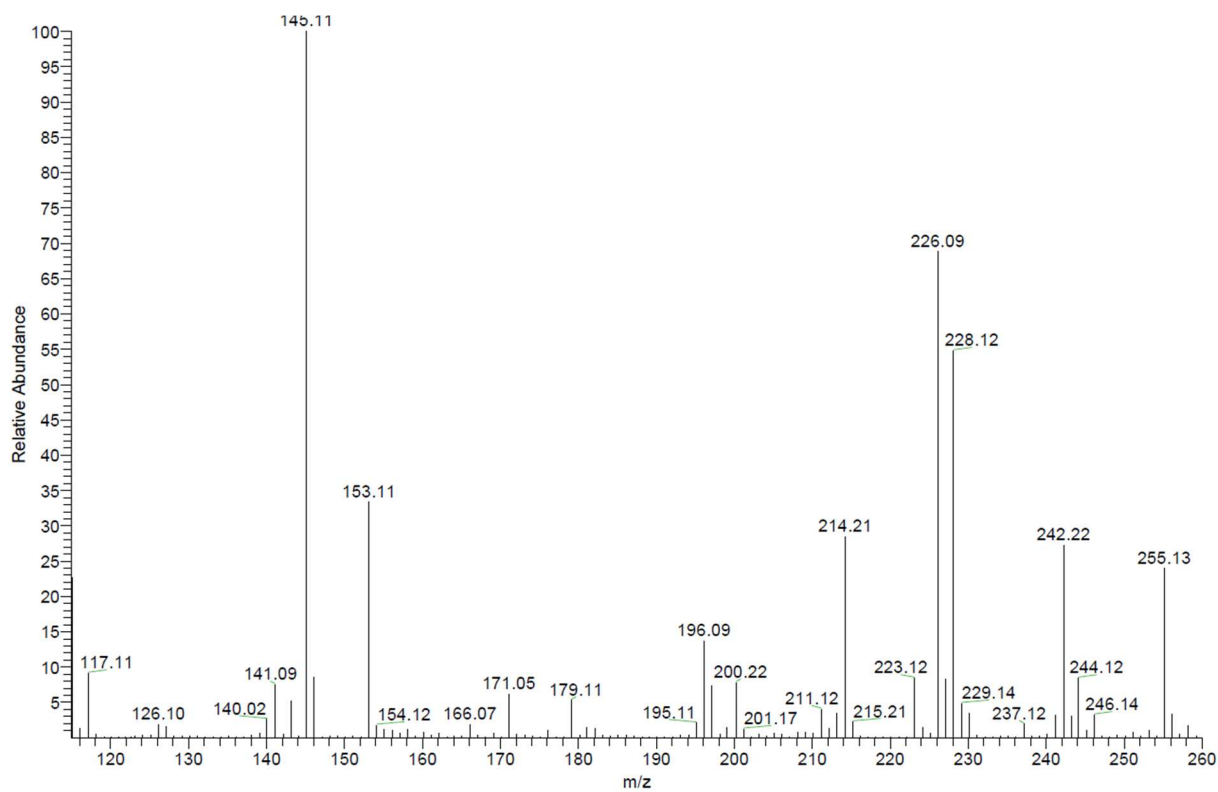


Figure S6: Ms spectrum for compound 2a.

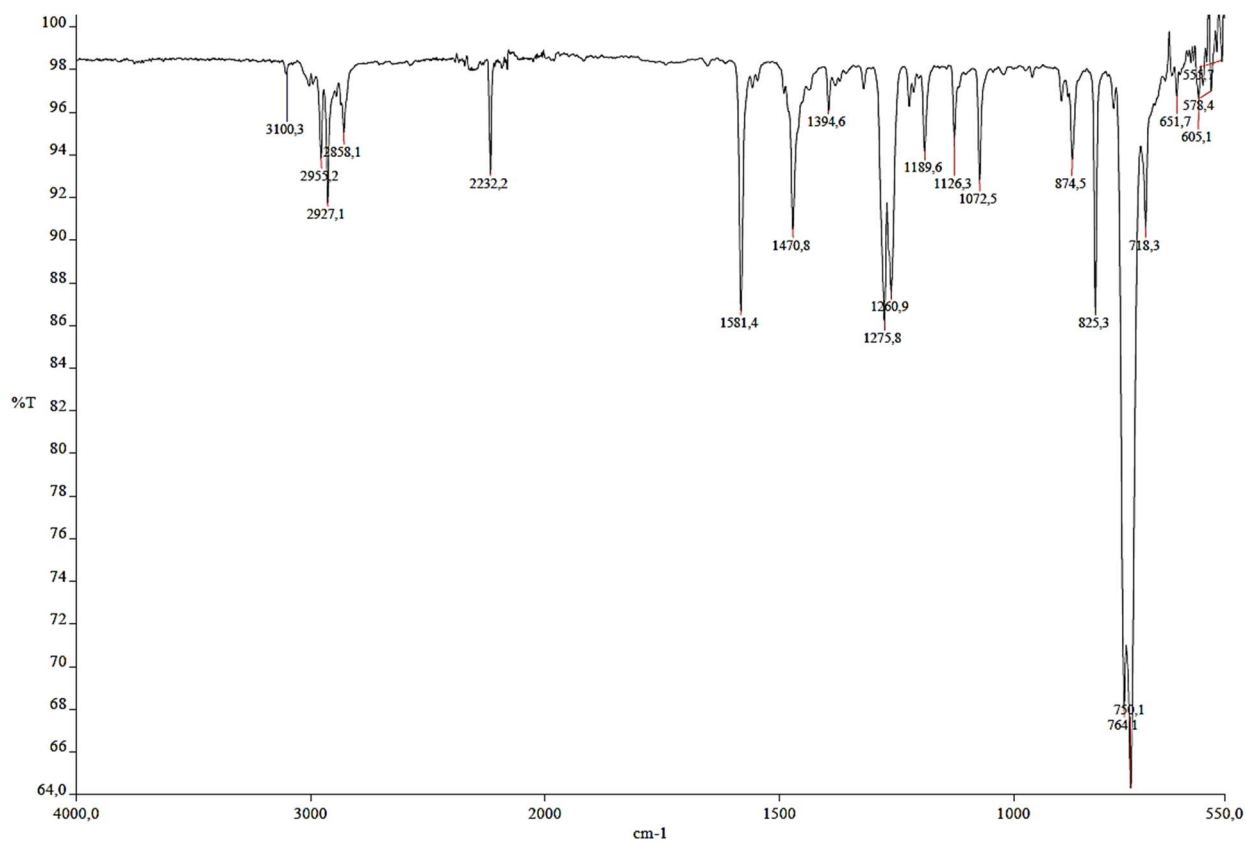


Figure S7: IR ATR spectrum for compound 3a.

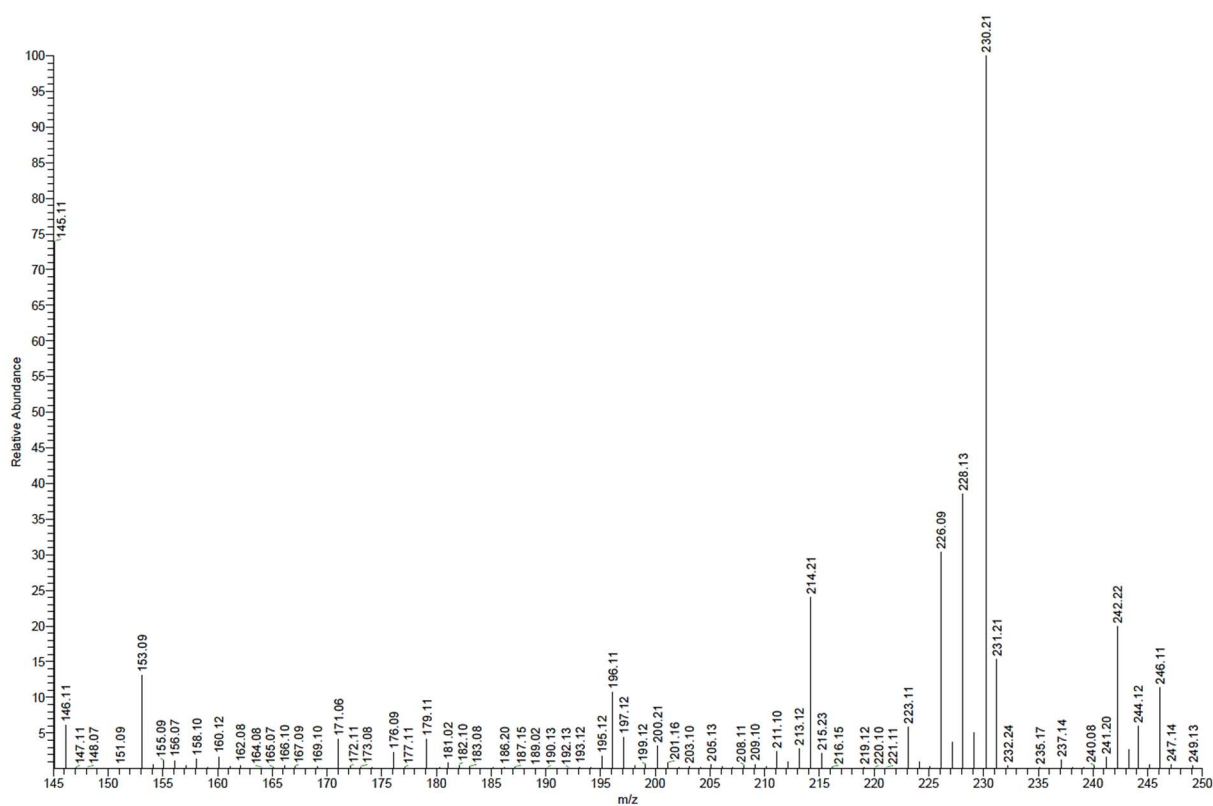


Figure S8: Ms spectrum for compound 3a.

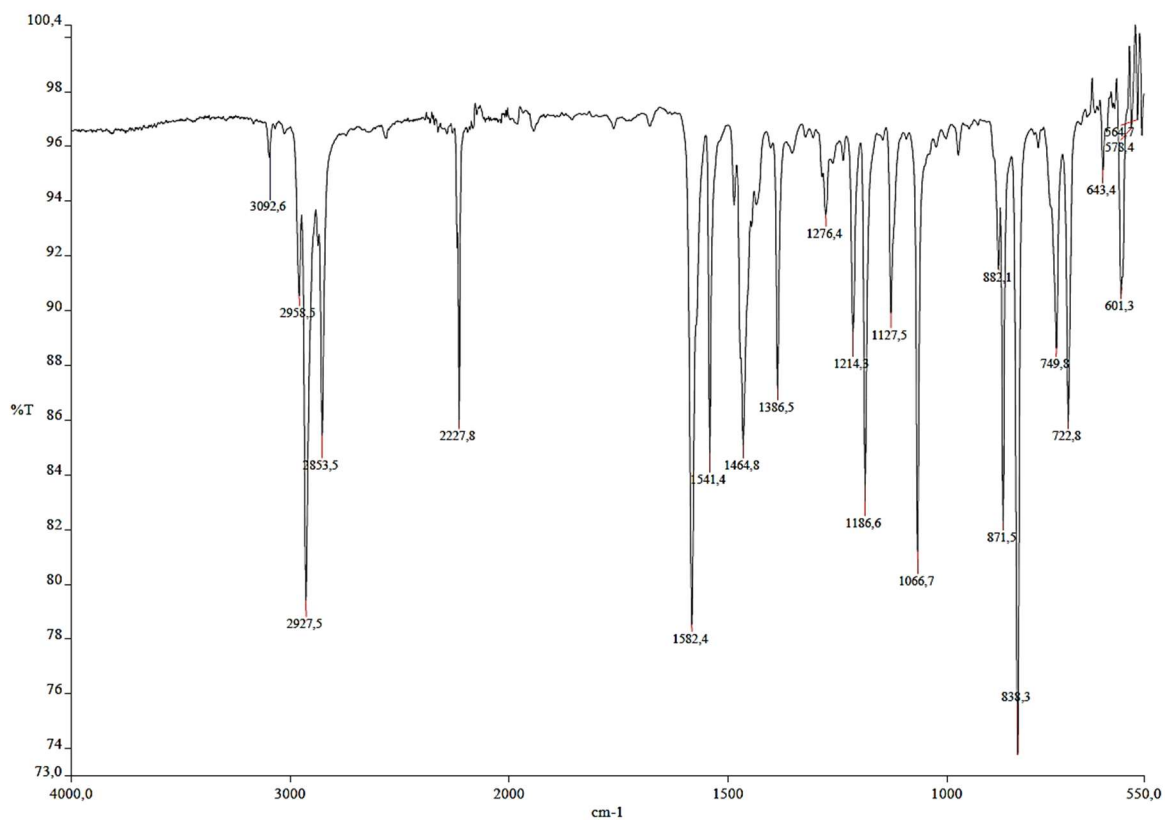


Figure S9: IR ATR spectrum for compound **4a**.

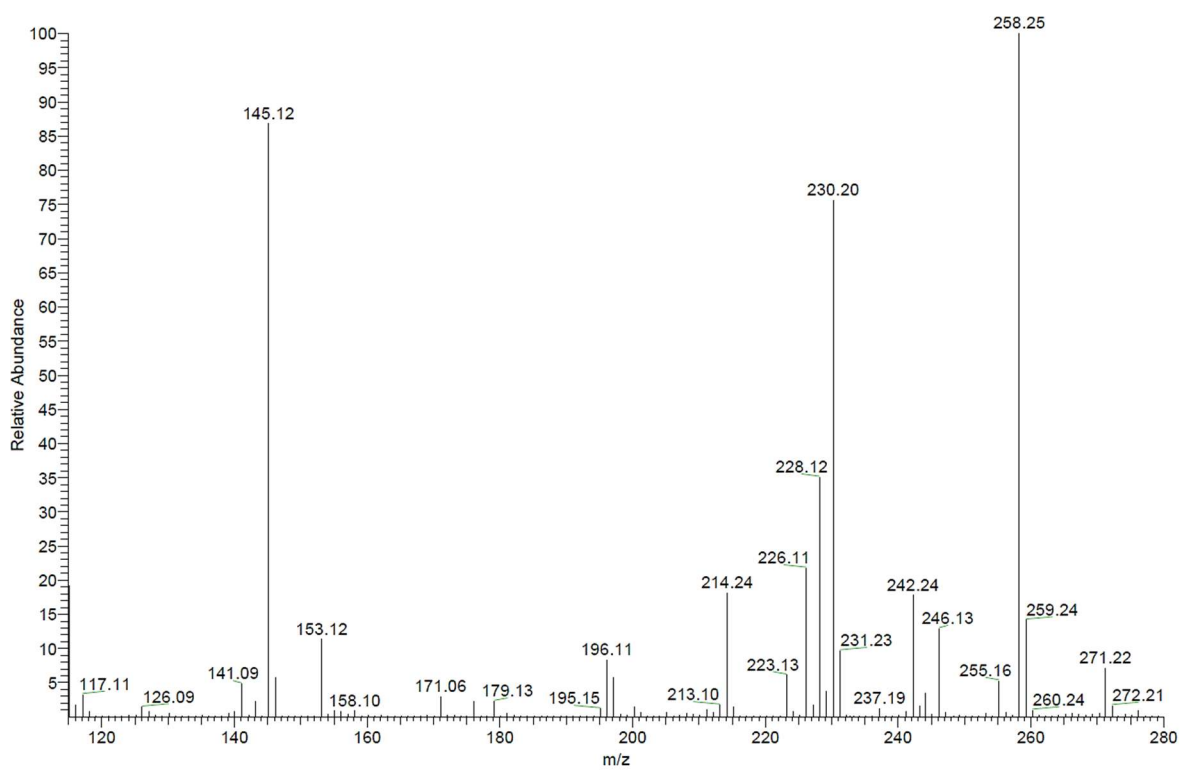


Figure S10: Ms spectrum for compound **4a**.

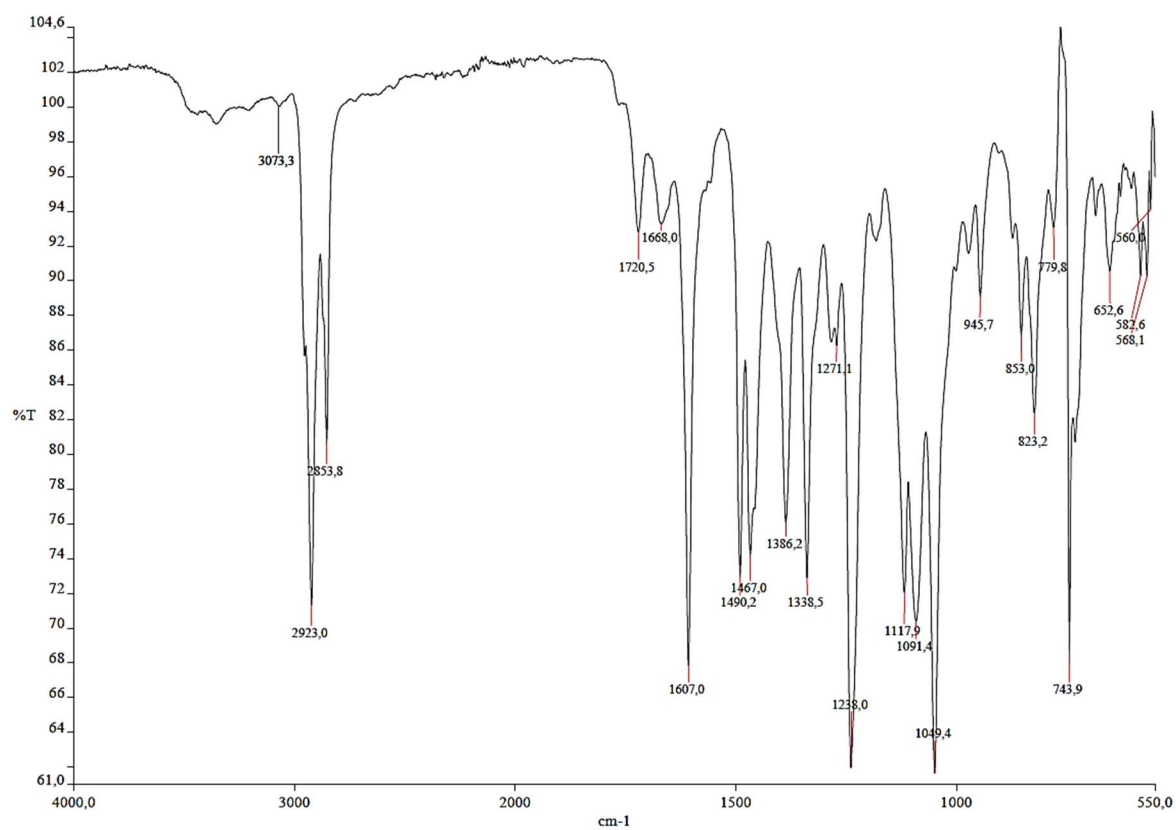


Figure S11: IR ATR spectrum for compound **1b**.

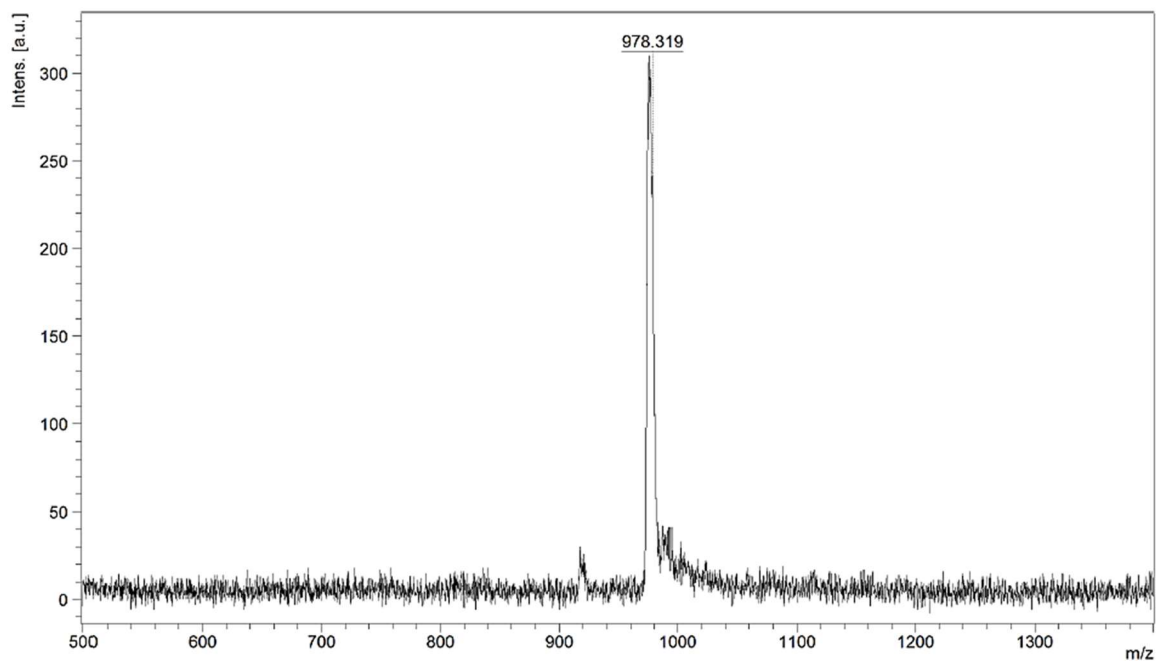


Figure S12: MALDI-TOF spectrum for compound **1b**.

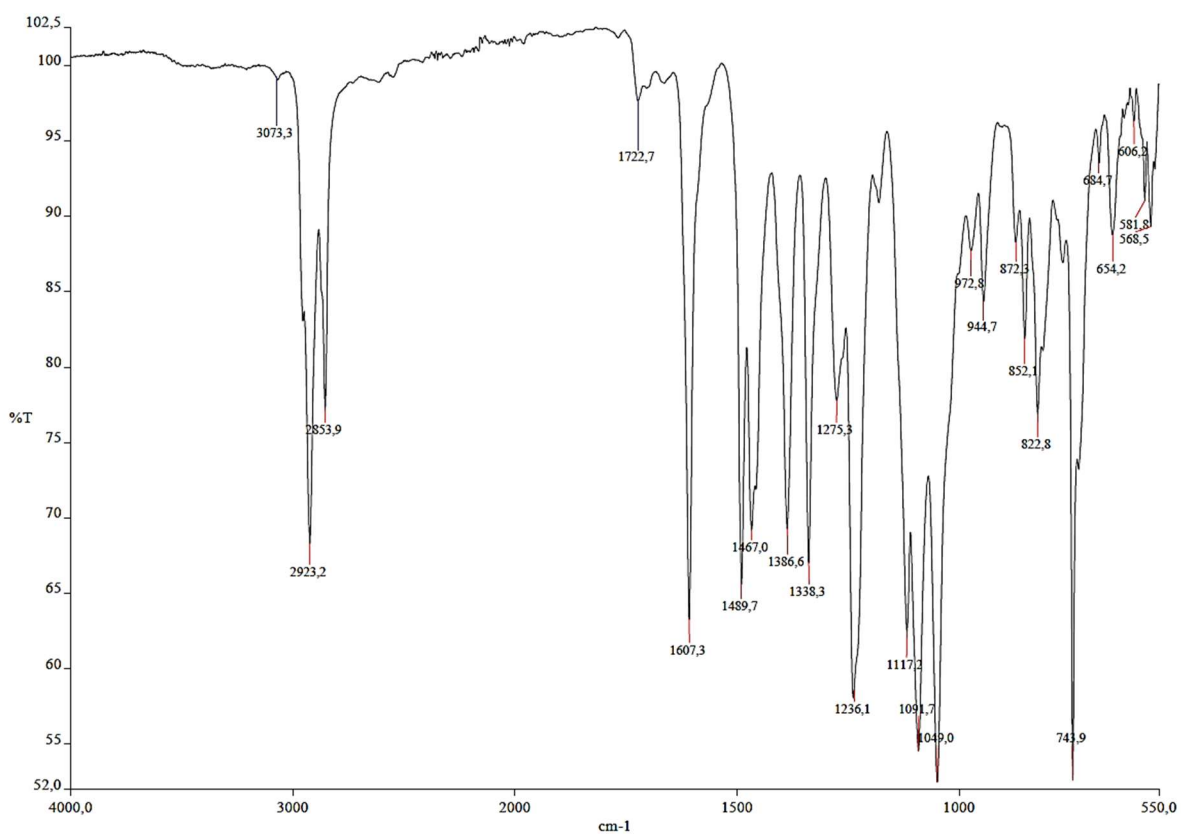


Figure S13: IR ATR spectrum for compound **2b**.

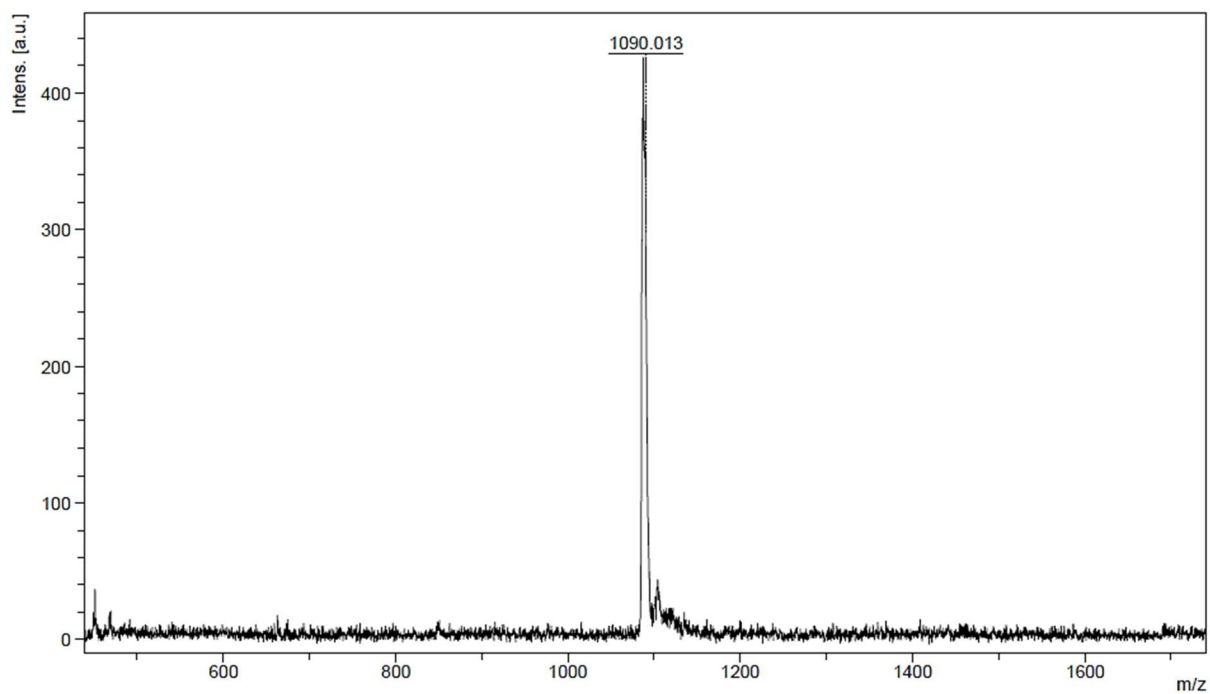


Figure S14: MALDI-TOF spectrum for compound **2b** (Matrix DIT).

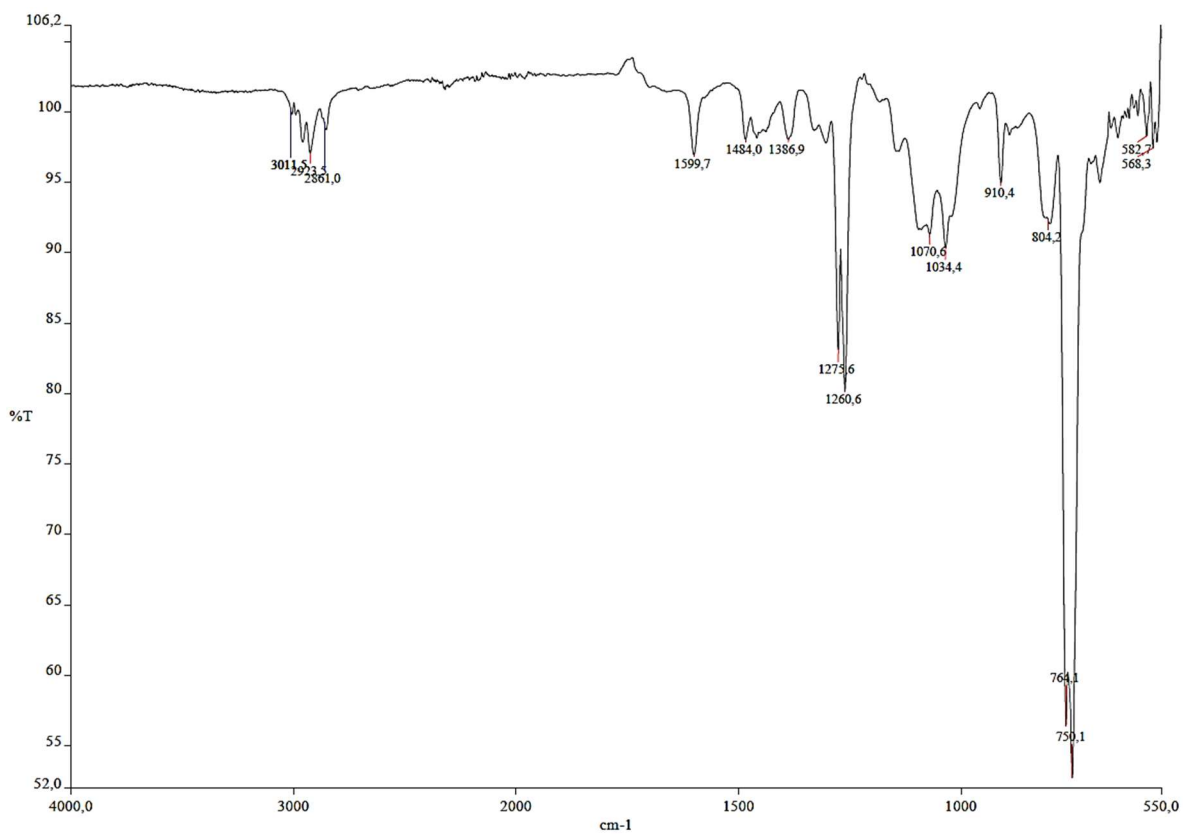


Figure S15: IR ATR spectrum for compound **3b**.

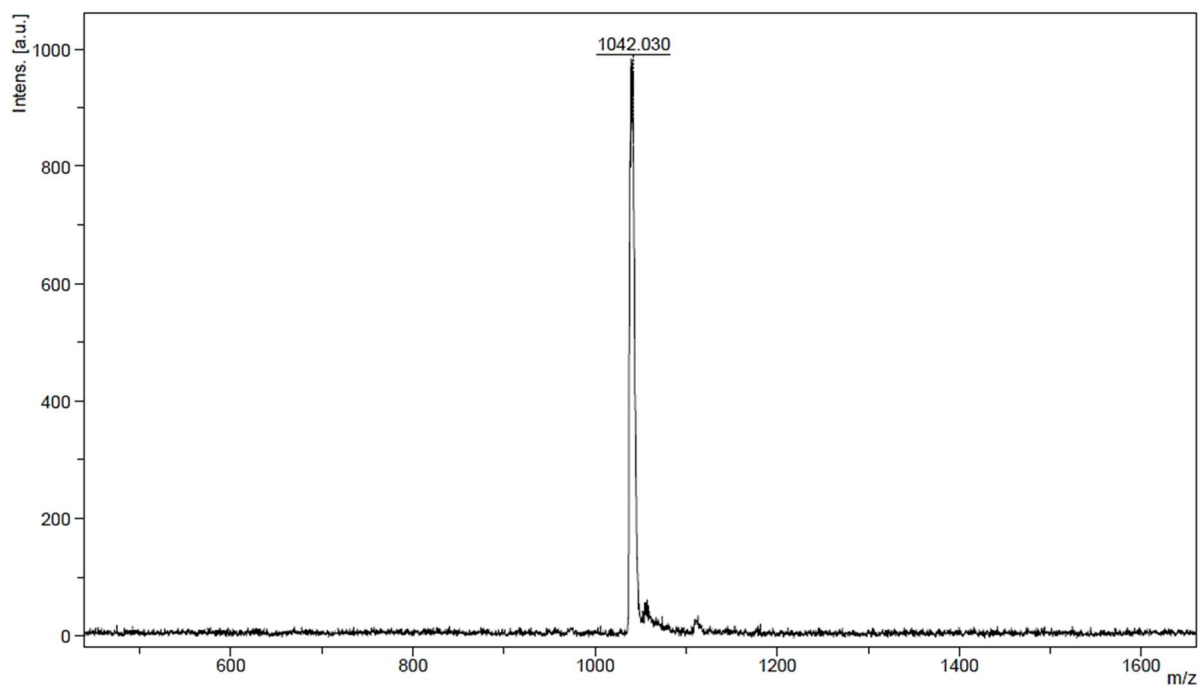


Figure S16: MALDI-TOF spectrum for compound **3b** (Matrix DIT).

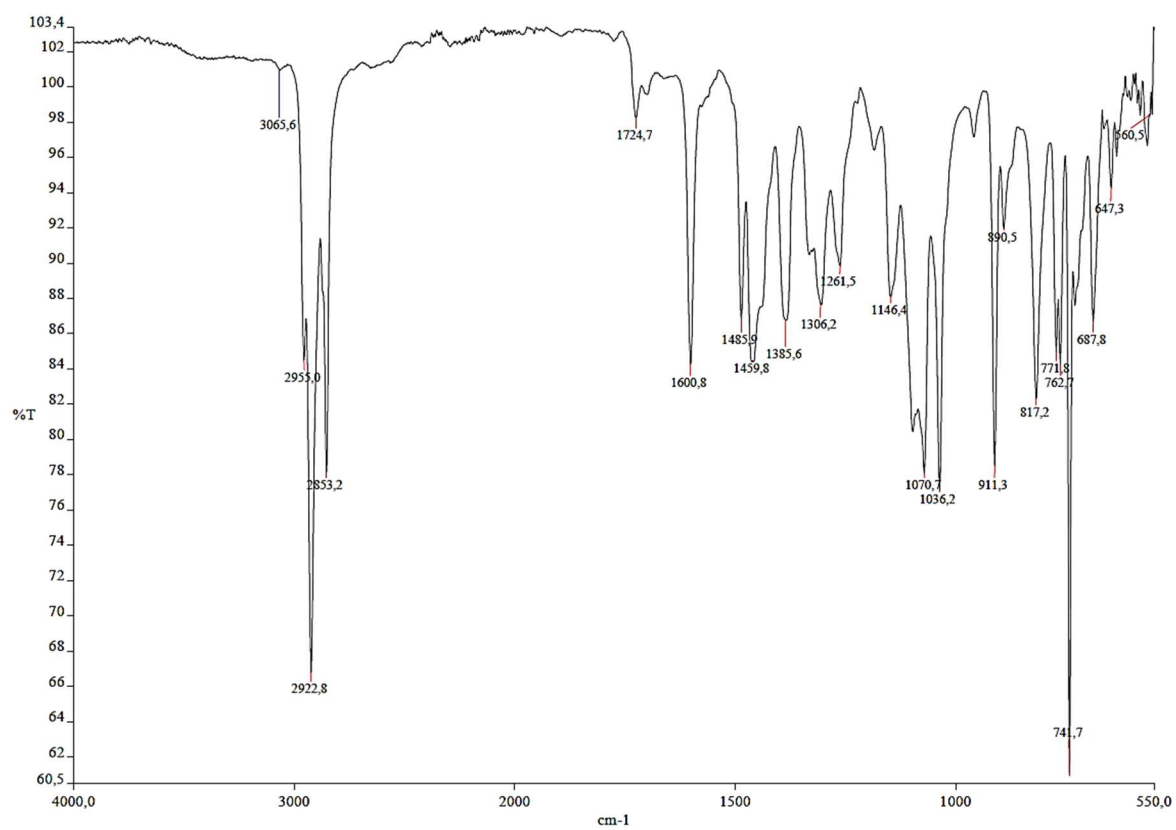


Figure S17: IR ATR spectrum for compound **4b**.

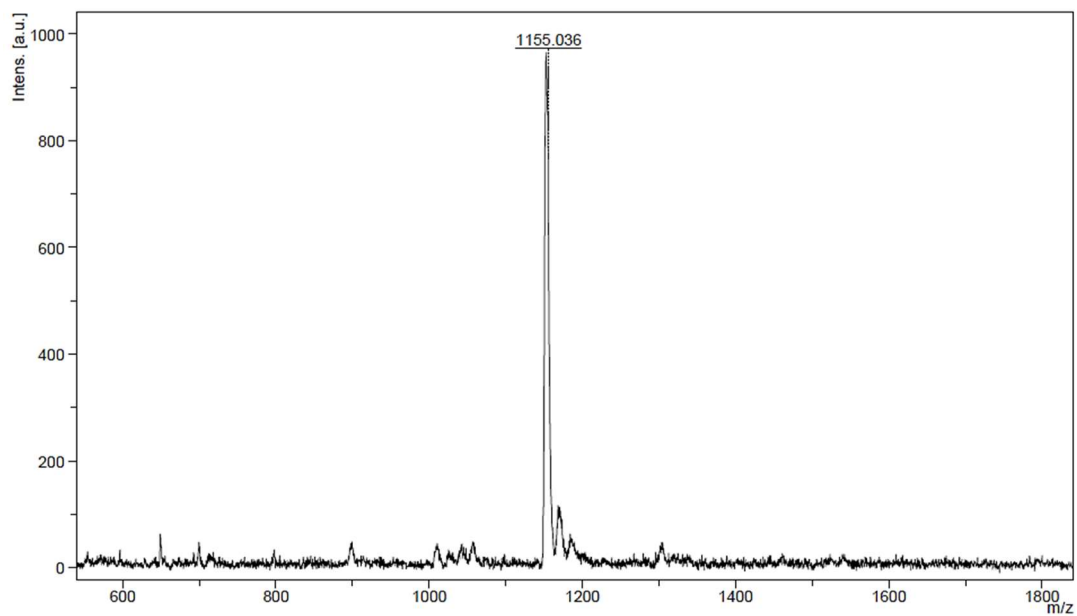


Figure S18: MALDI-TOF spectrum for compound **4b** (Matrix DIT).

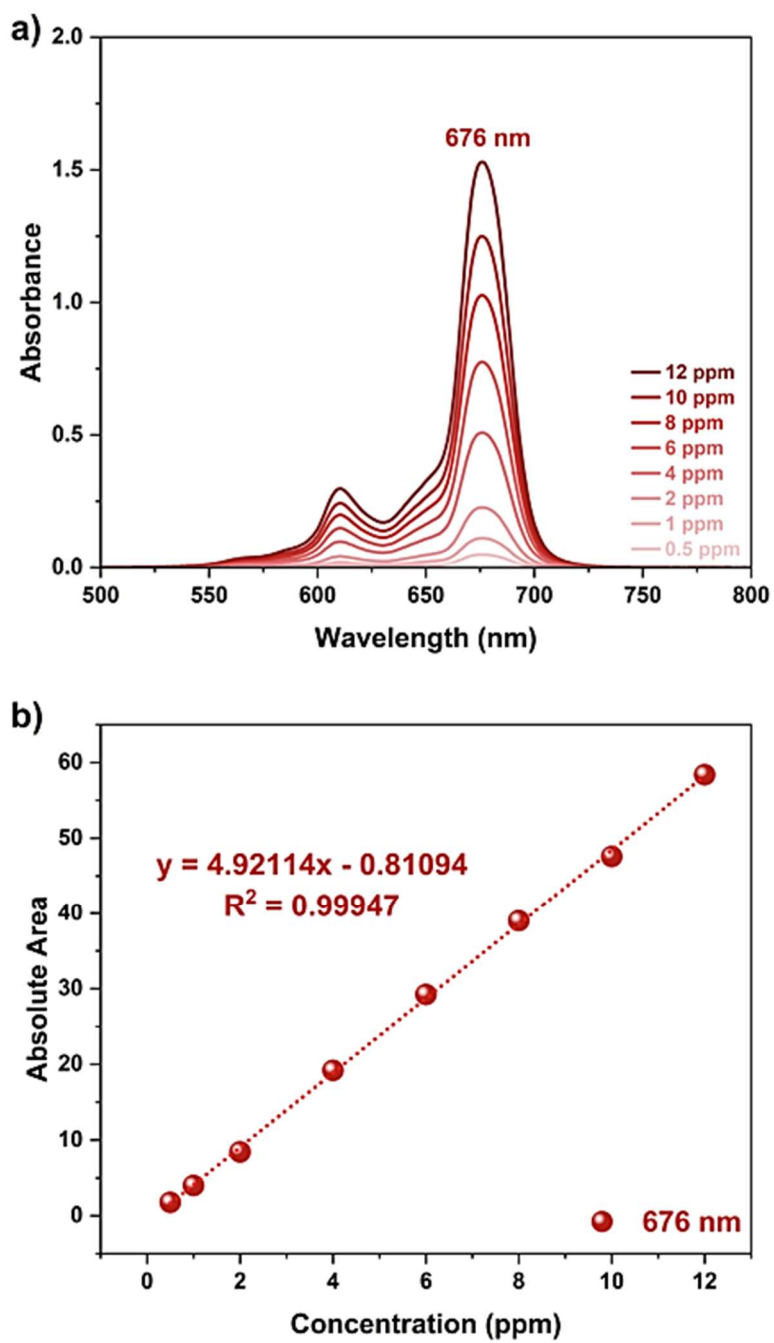


Figure S19: a) UV-Vis graph in the range of 500-800 nm obtained at different concentrations of compound **2b**, b) A graph plotting concentration versus area **2b**.

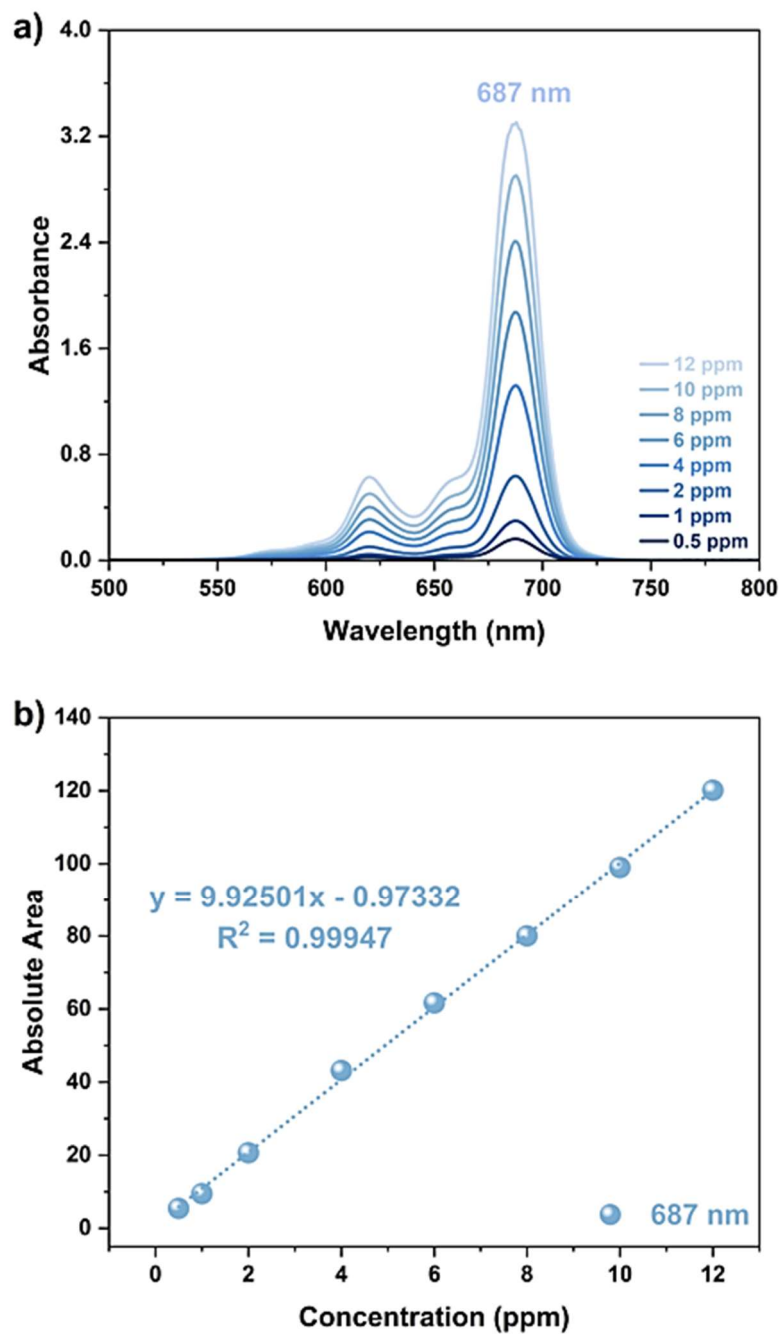


Figure S20: a) UV-Vis graph in the range of 500-800 nm obtained at different concentrations of compound 3b, b) A graph plotting concentration versus area 3b.

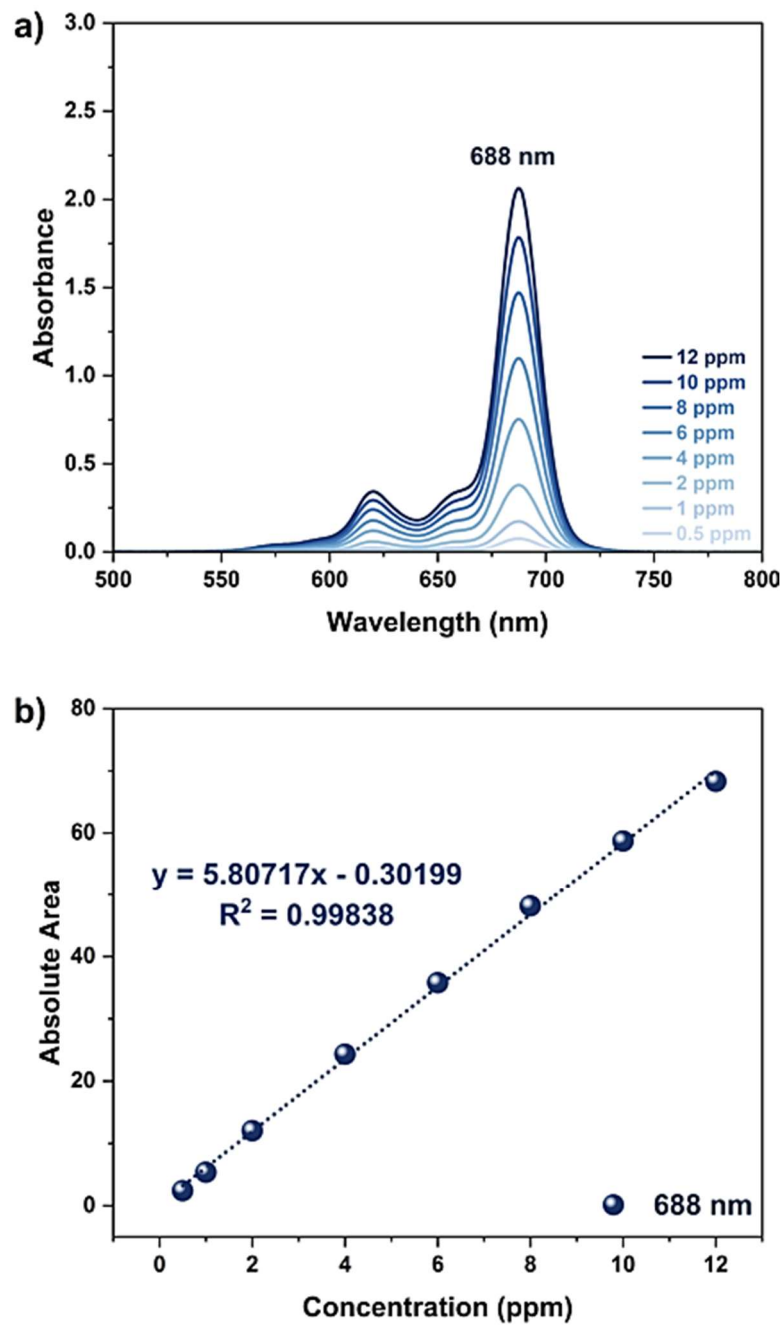


Figure S21: a) UV-Vis graph in the range of 500-800 nm obtained at different concentrations of compound **4b**, b) A graph plotting concentration versus area **4b**.