

Supporting information for:

Regioselective synthesis of 4-bromo-3-formyl-*N*-phenyl-5-propylthiophene-2-carboxamide

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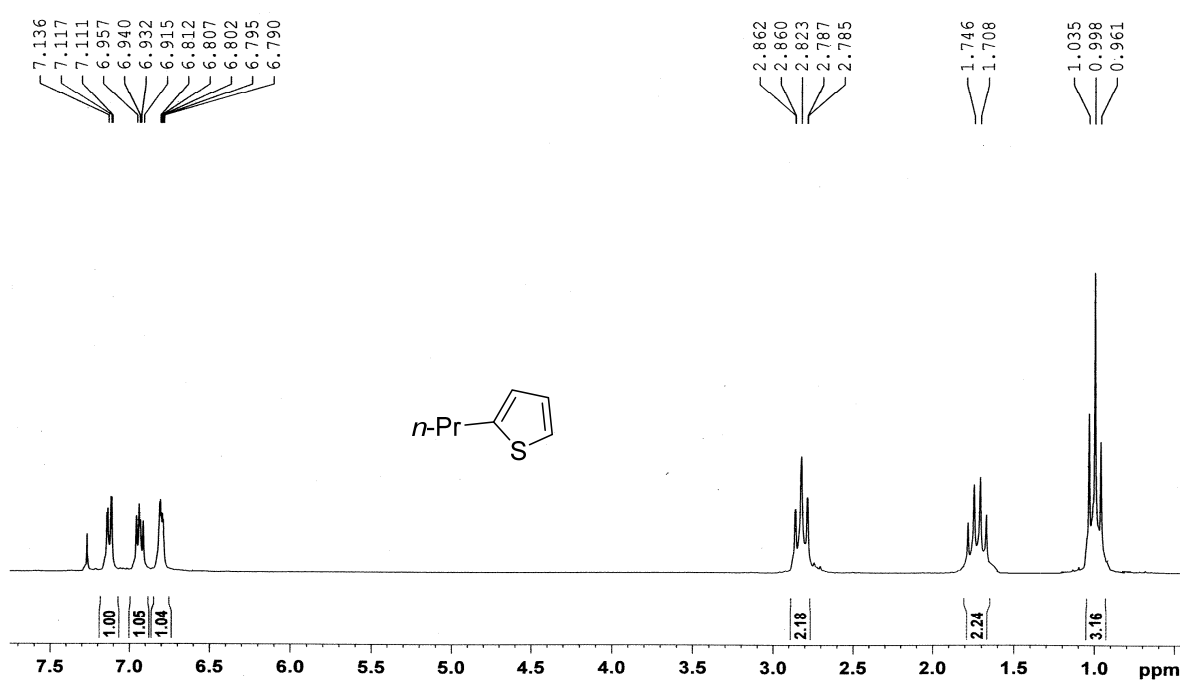
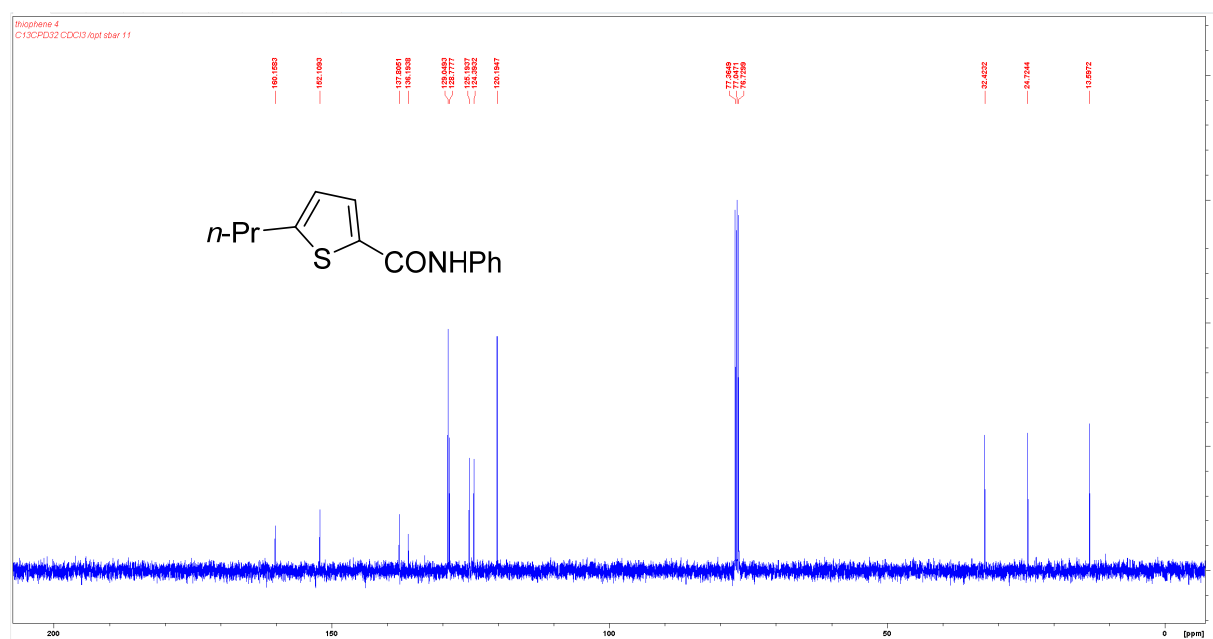
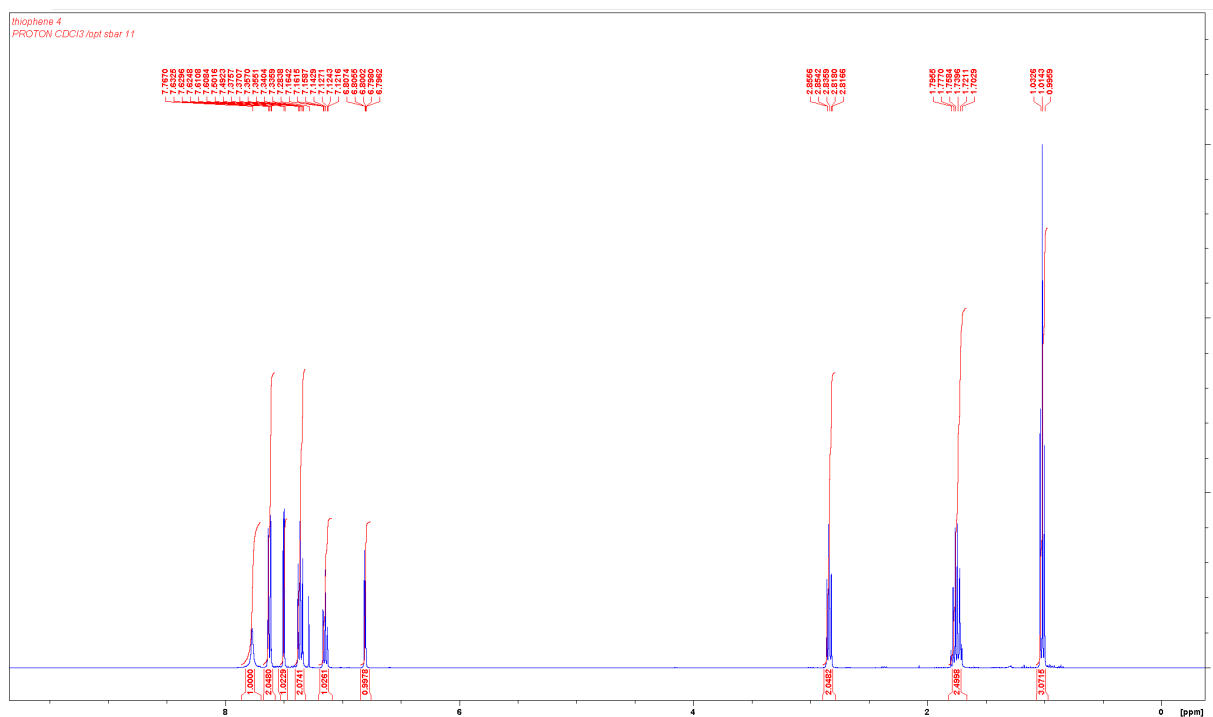


Figure S1: ¹H NMR of compound 2 (200 MHz, CDCl₃).



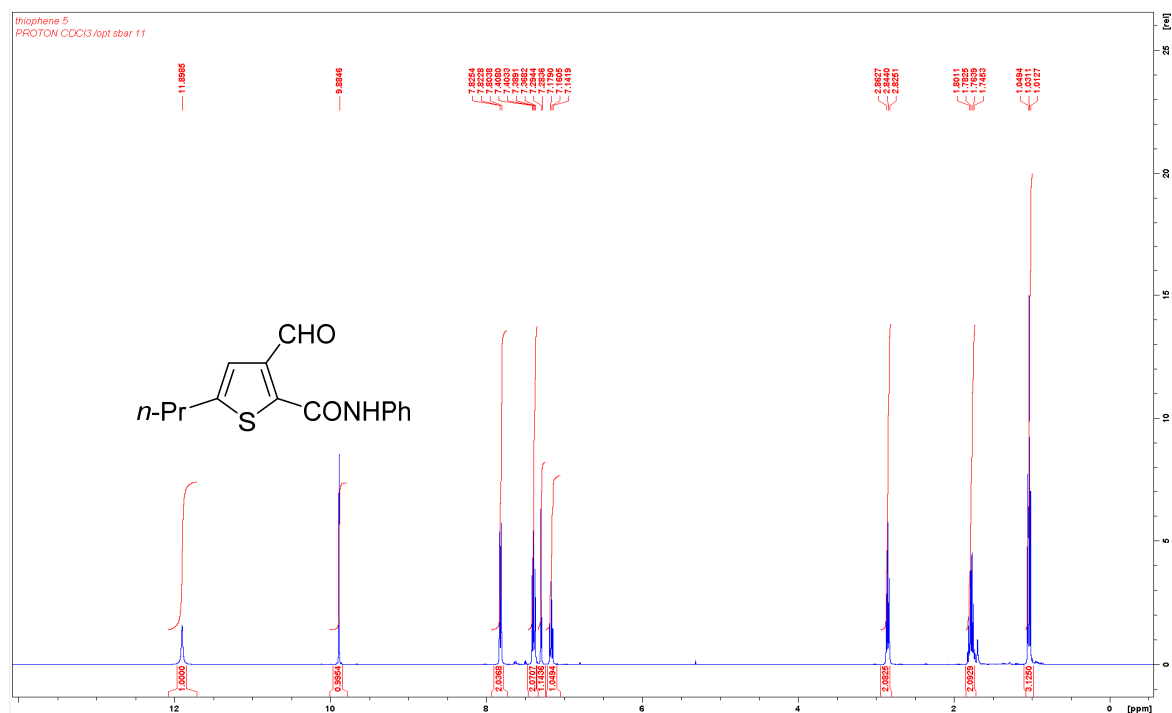


Figure S4: ^1H NMR of compound **4** (400 MHz, CDCl_3).

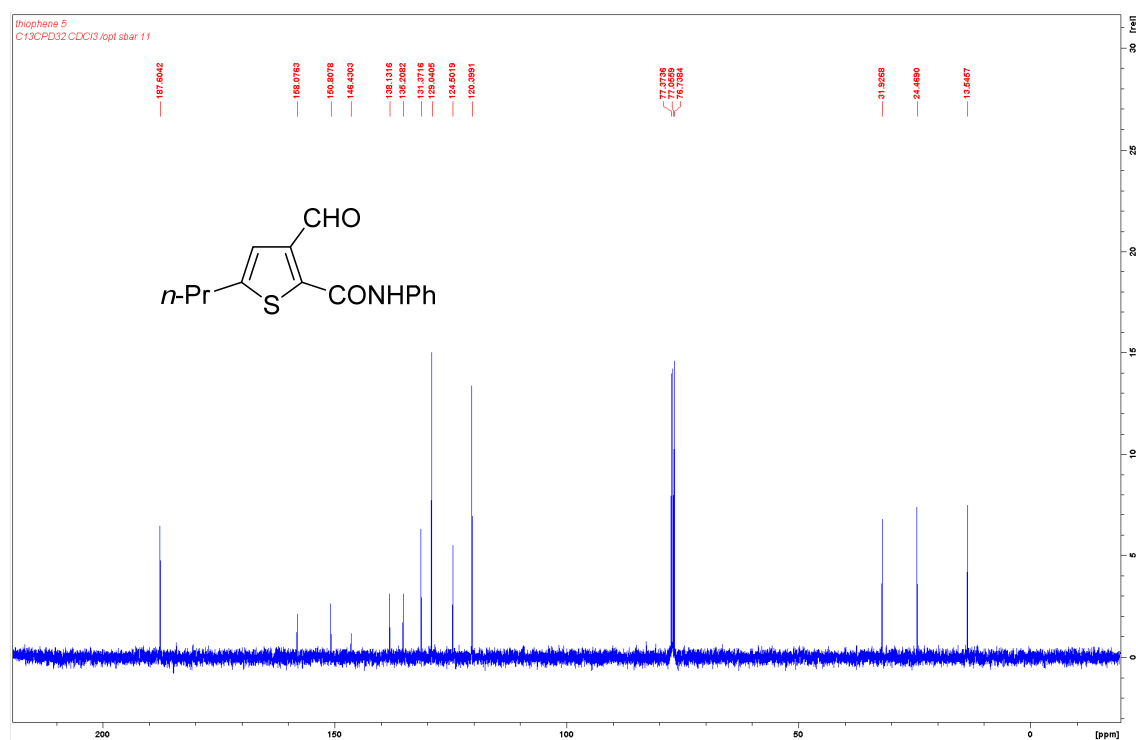


Figure S5: ^{13}C NMR of compound **4** (100 MHz, CDCl_3).

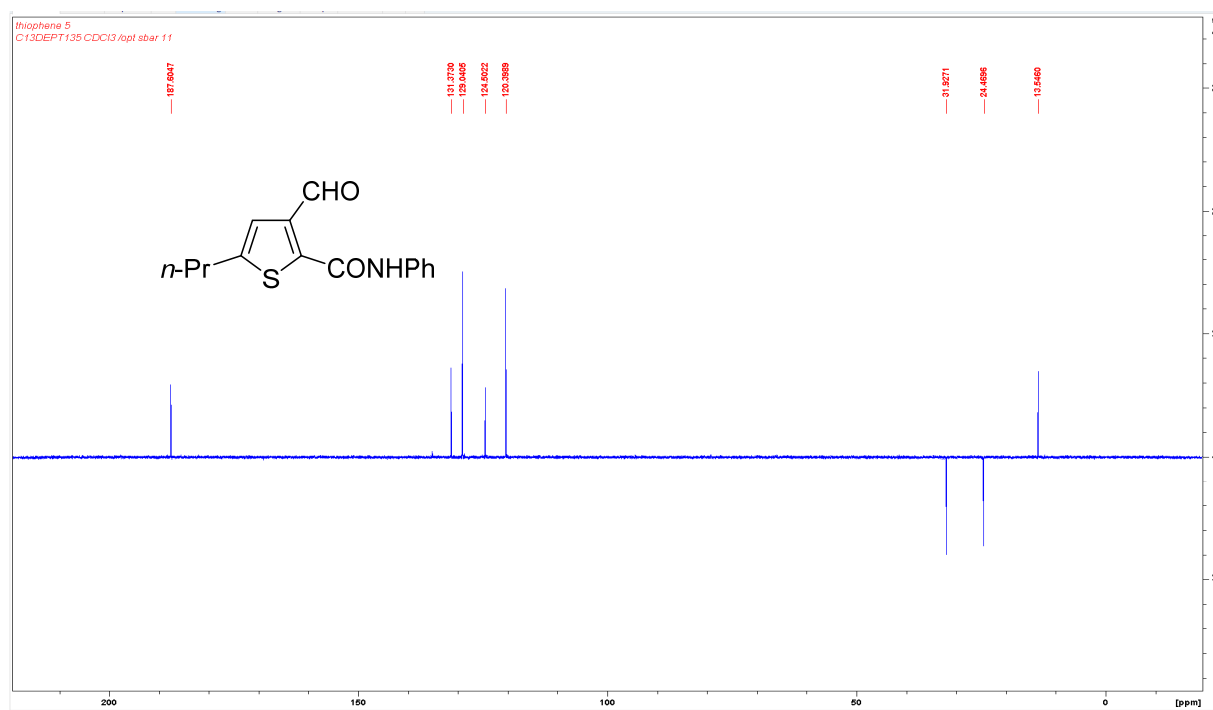


Figure S6: DEPT-135 of compound **4** (100 MHz, CDCl₃).

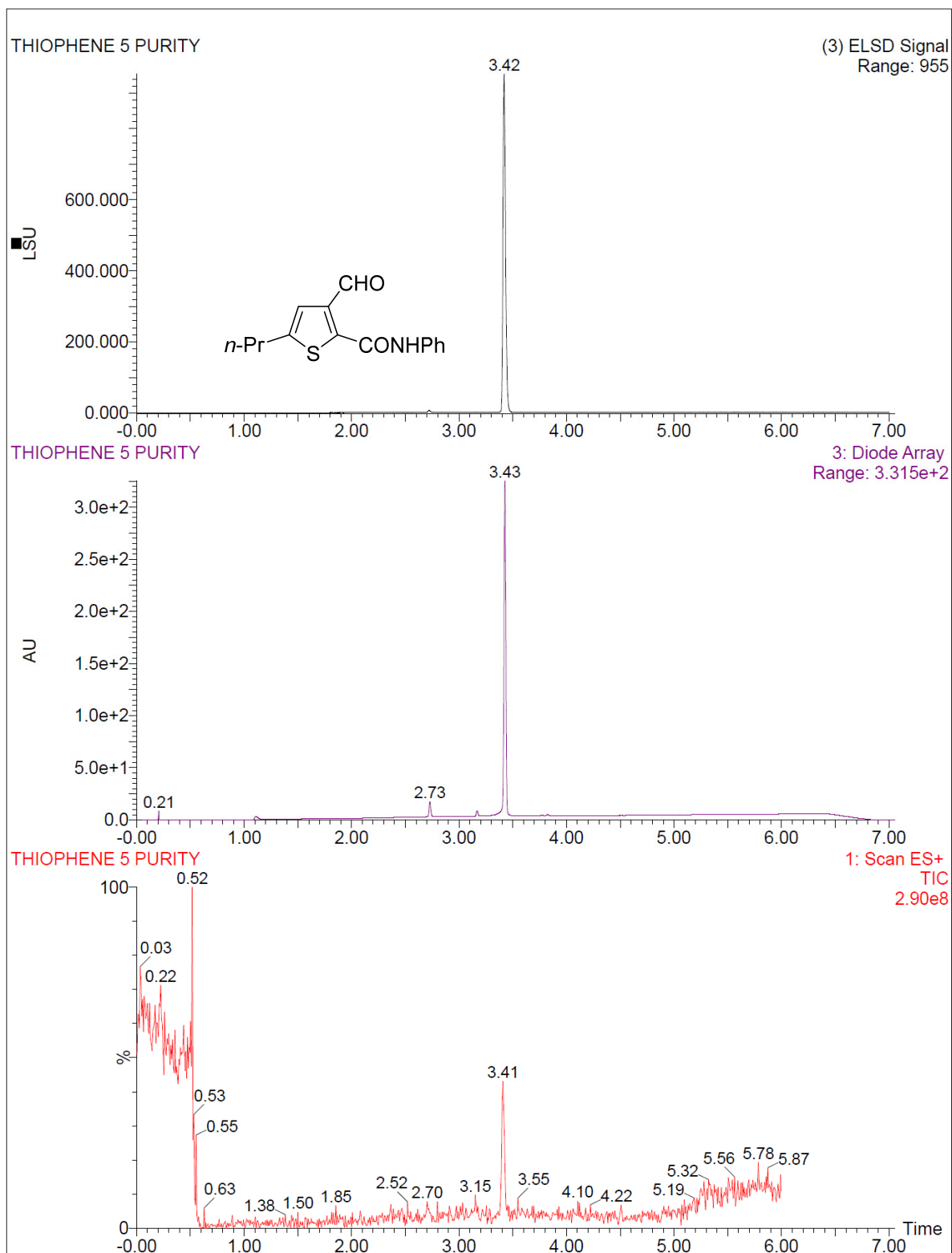


Figure S7: LCMS analysis (chromatogram and ionization) compound **4** in 6 min run.

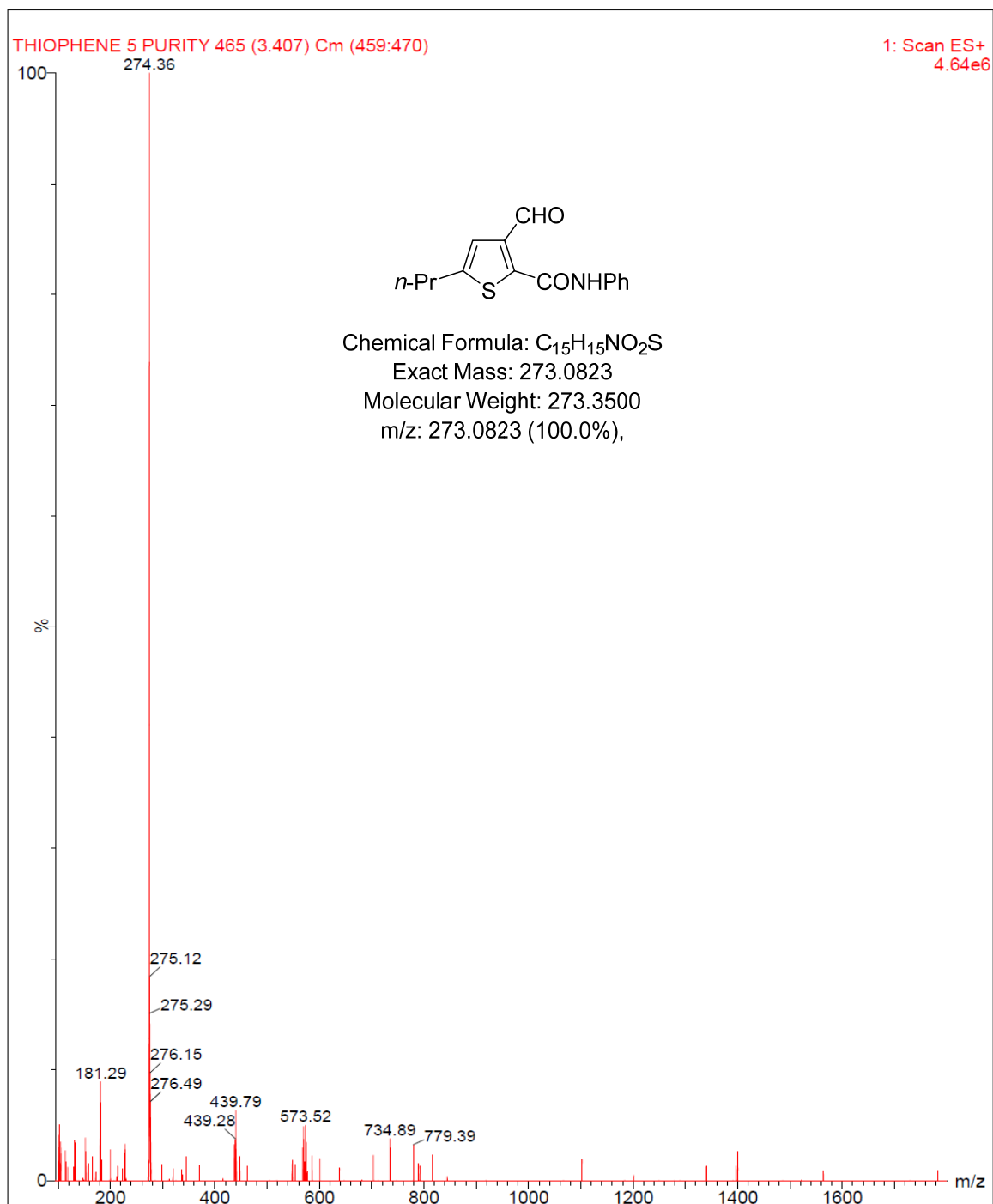


Figure S8: LCMS analysis (mass, positive mode) compound **4** in 6 min run.

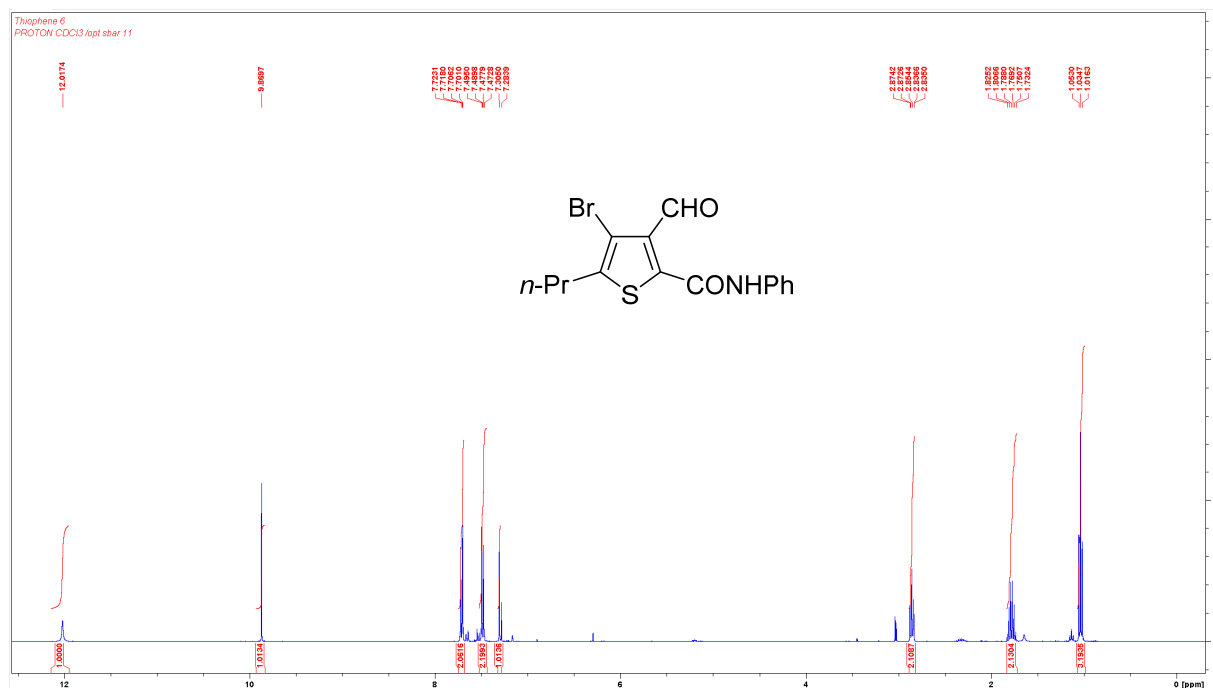


Figure S9: ^1H NMR of compound **5** (400 MHz, CDCl_3).

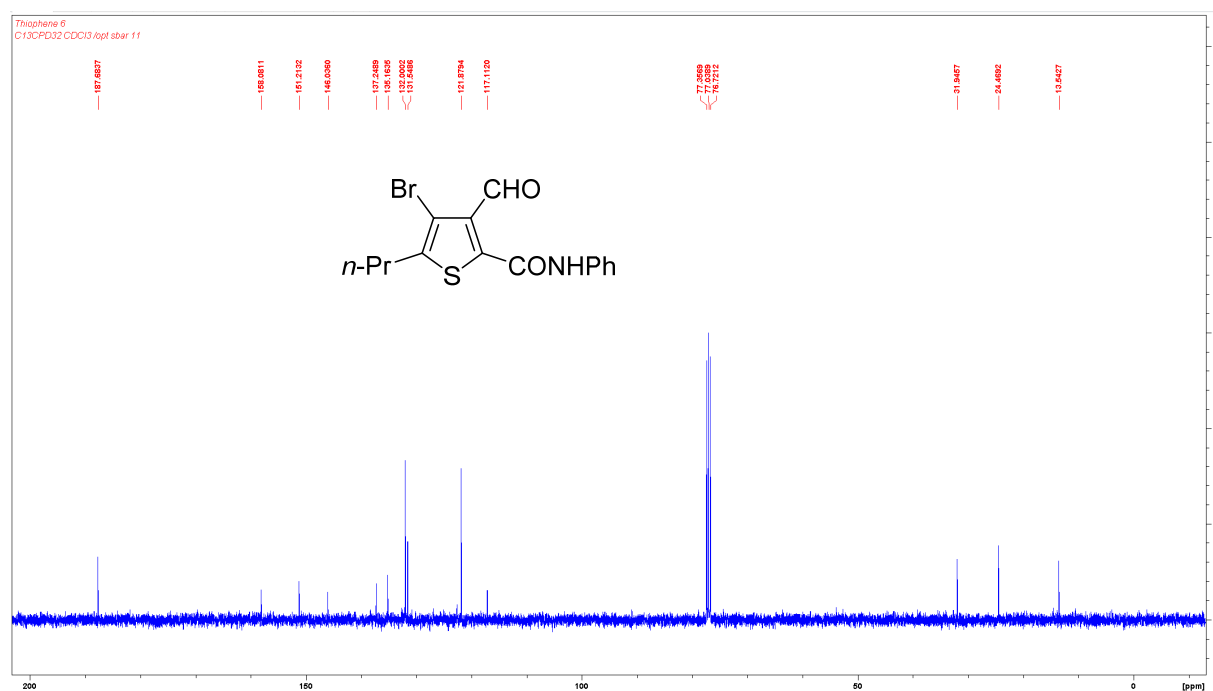


Figure S10: ^{13}C NMR of compound **5** (100 MHz, CDCl_3).

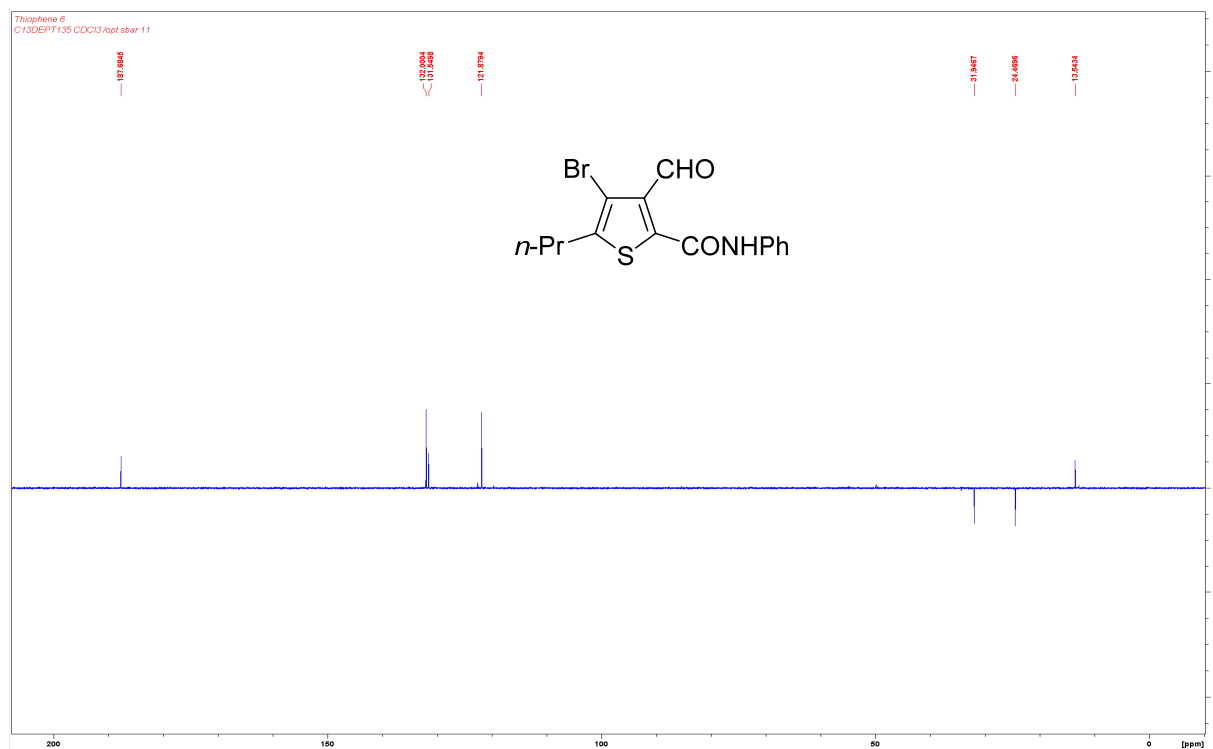


Figure S11: DEPT-135 of compound **5** (100 MHz, CDCl₃).

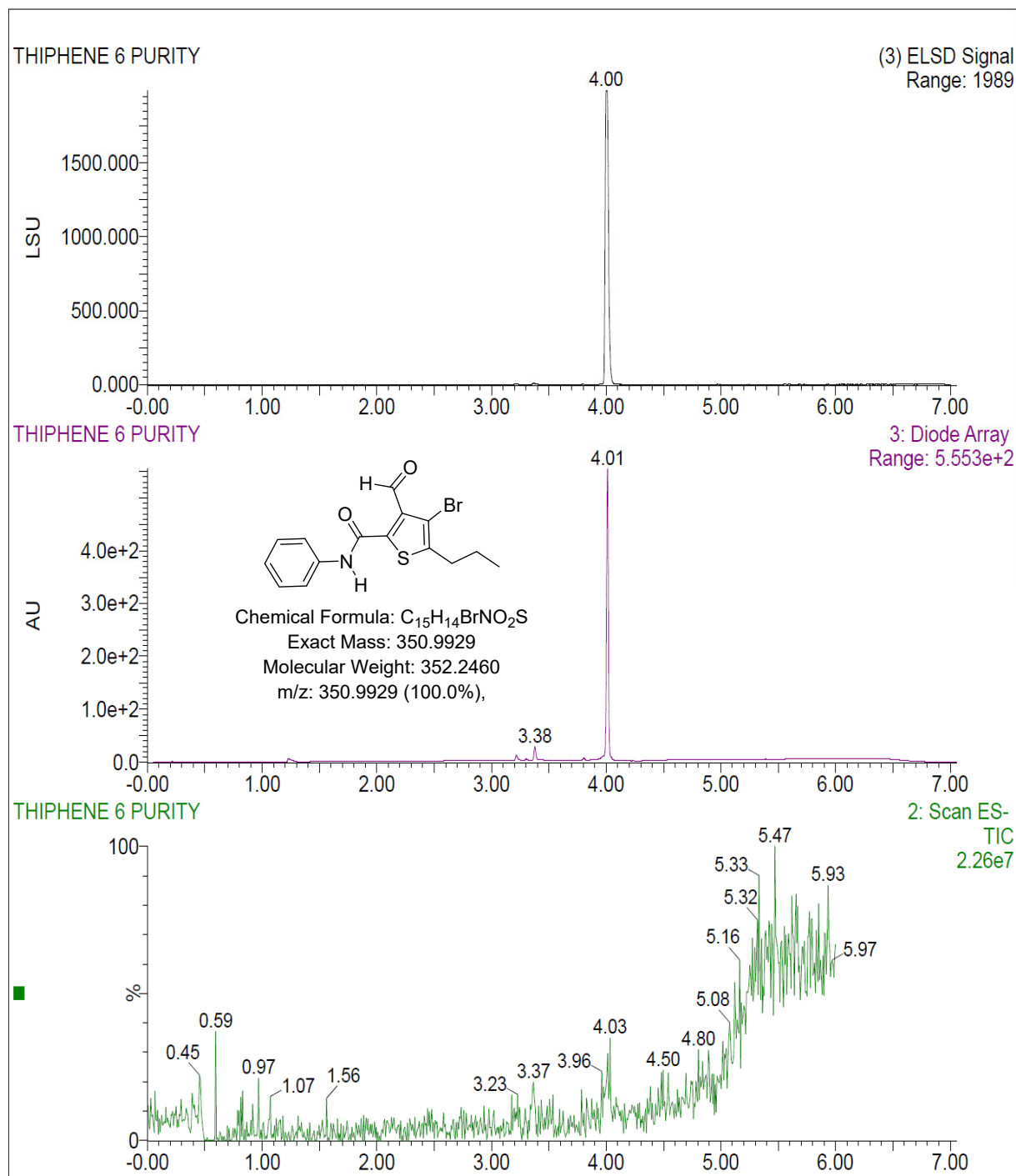


Figure S12: LCMS analysis (chromatogram and ionization) compound 4 in 6 min run.

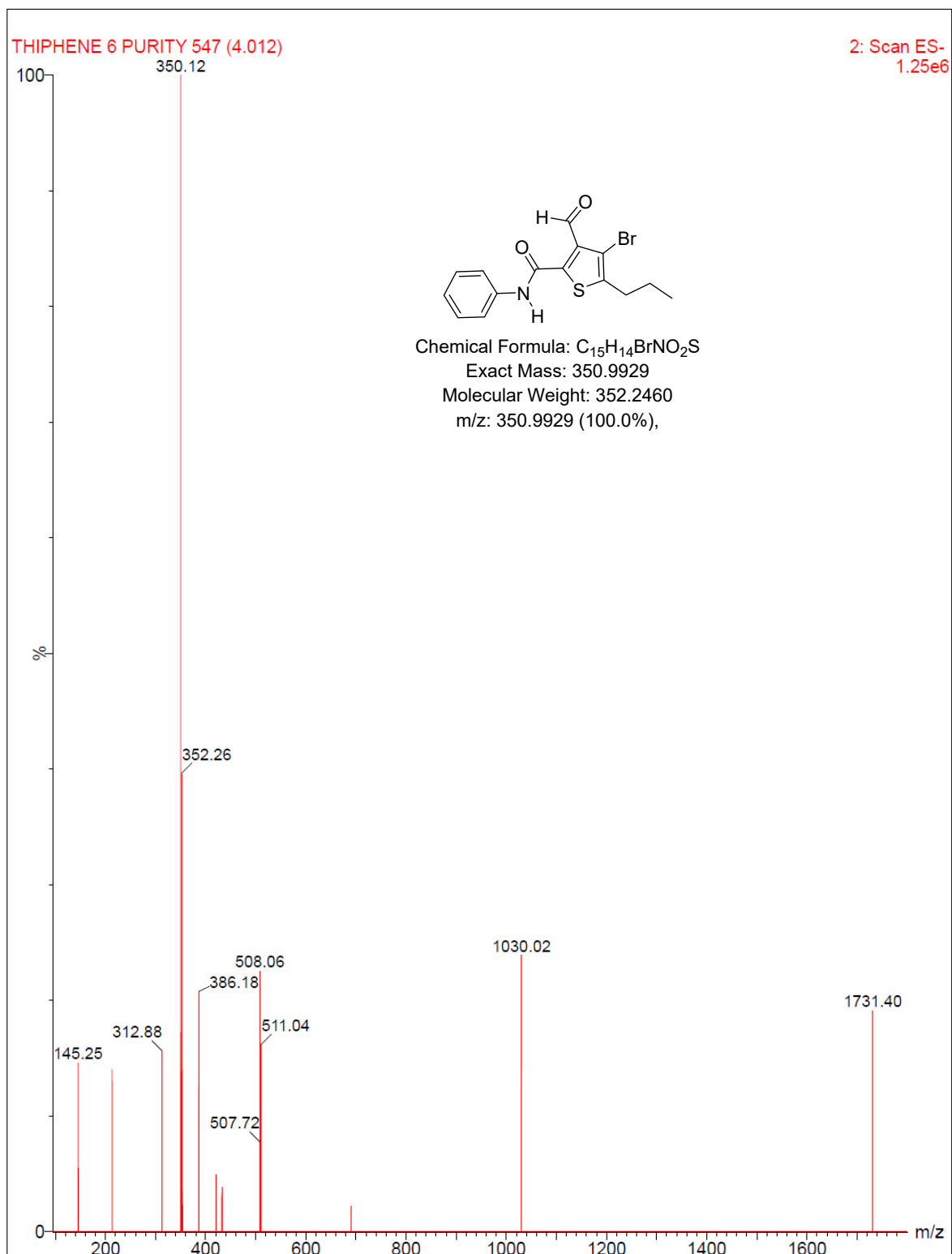


Figure S13: LCMS analysis (mass, negative mode) compound **5** in 6 min run.

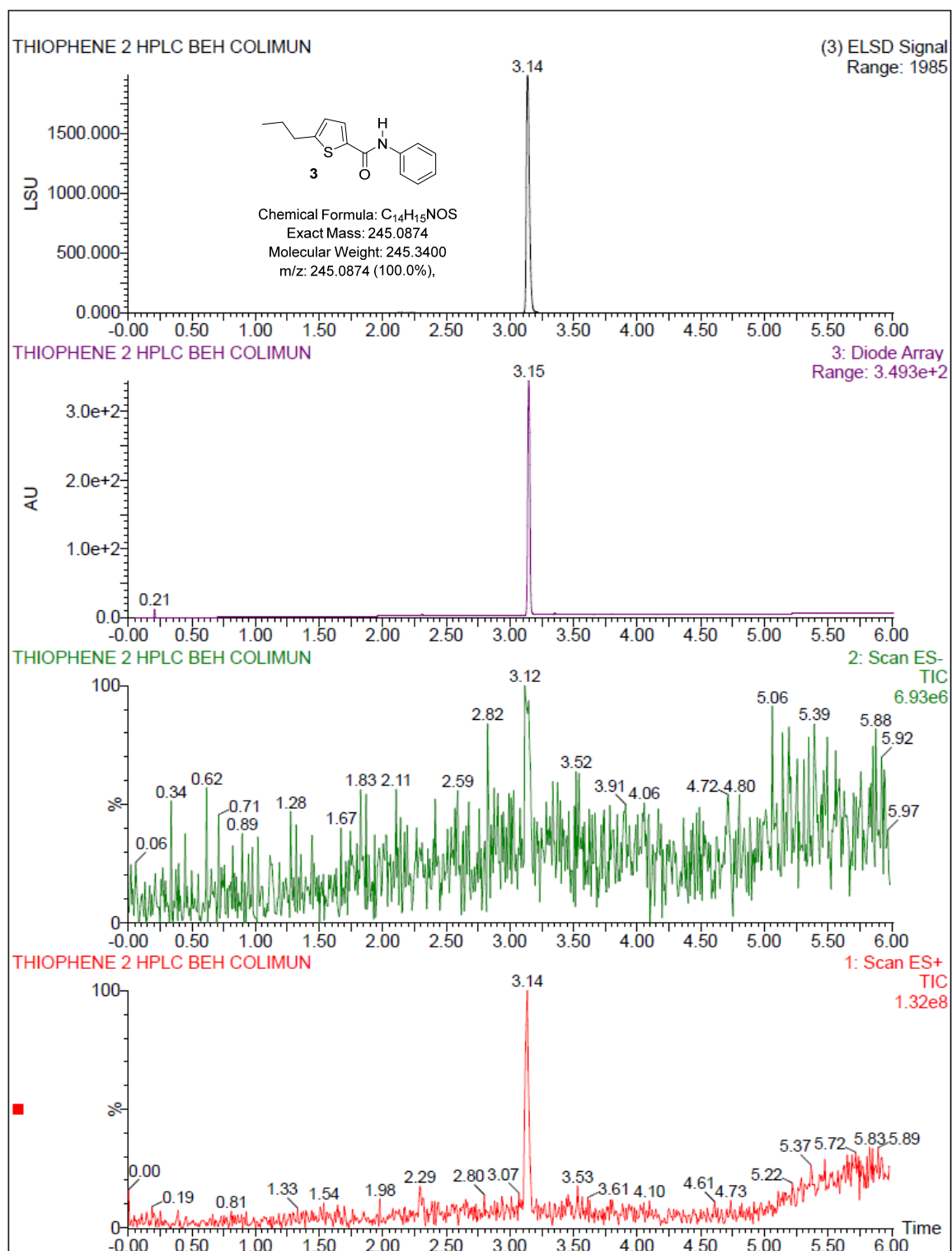


Figure S14: LCMS analysis (chromatogram and ionization) compound **3** in 6 min run.

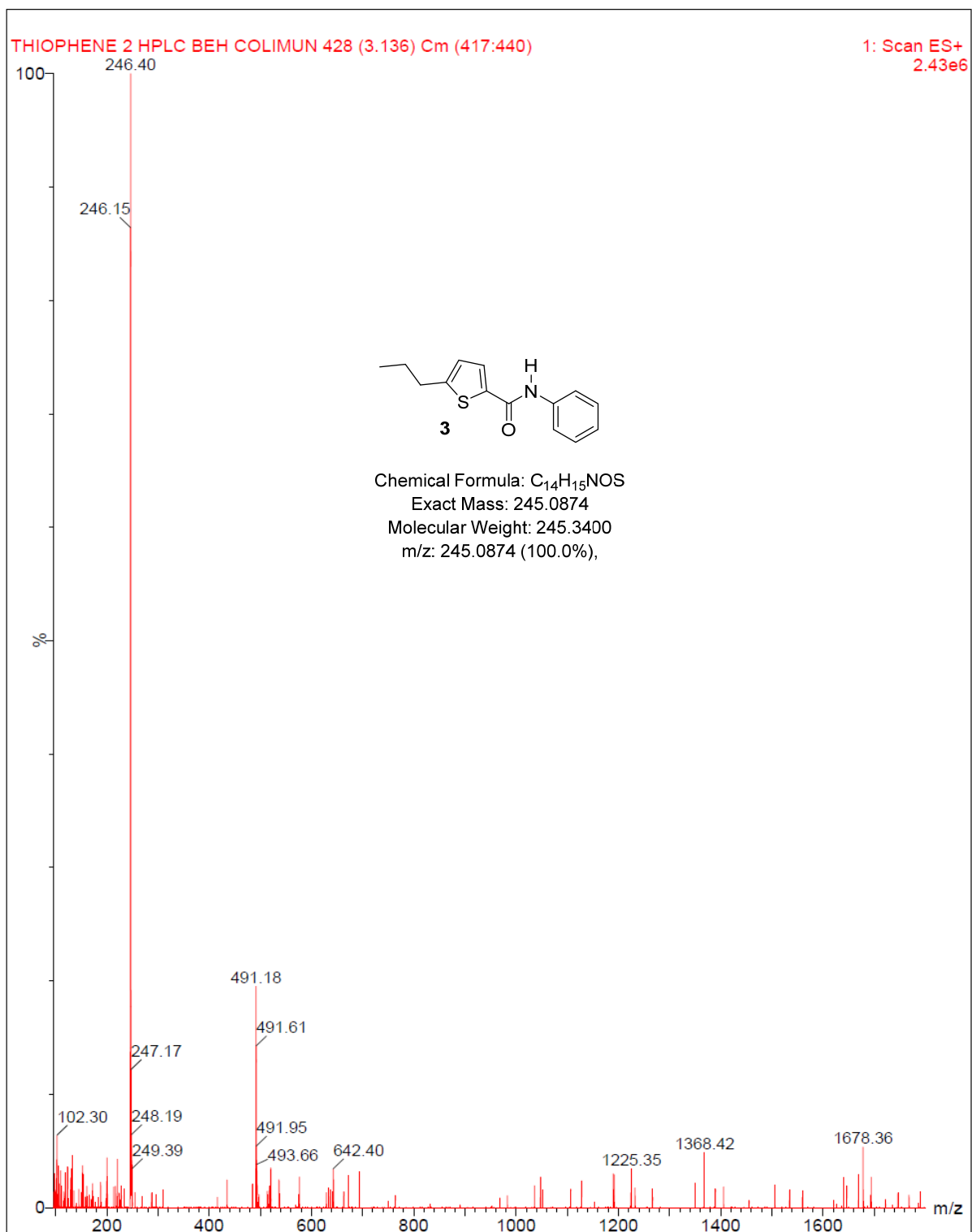


Figure S15: LCMS analysis (mass, negative mode) compound **3** in 6 min run