Supplementary Materials

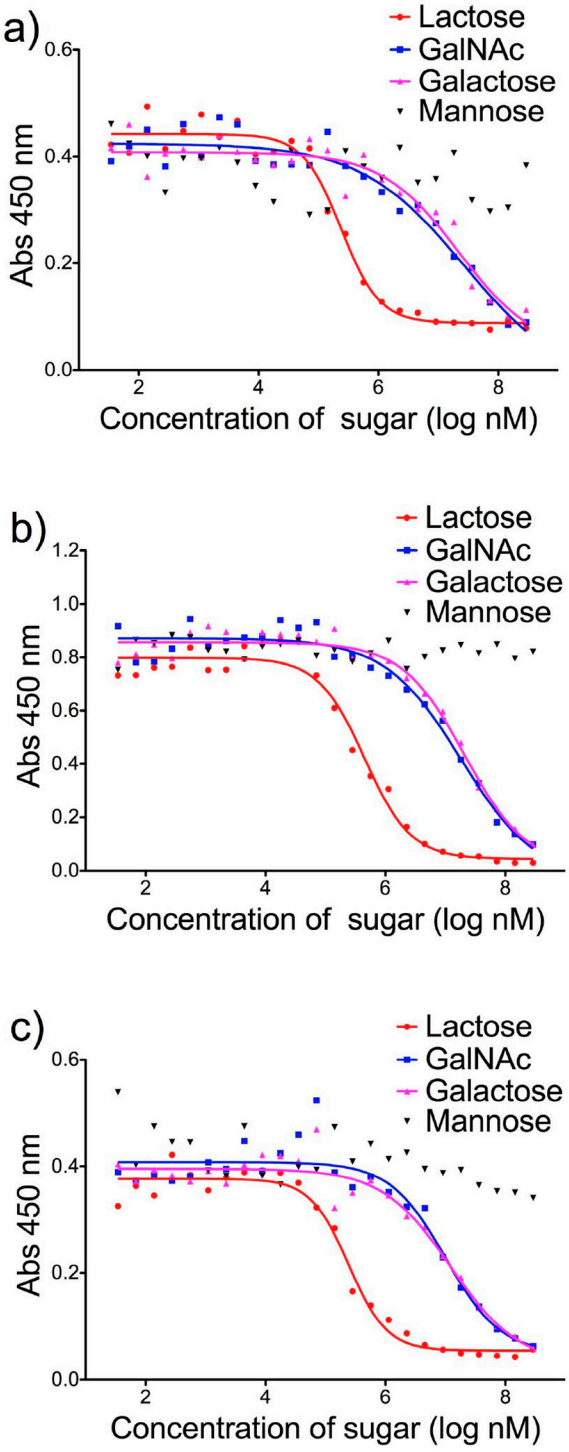


Figure S1. ELISA curves with different inhibitors with (**a**) **4a**; (**b**) **5a** and (**c**) **6a**.

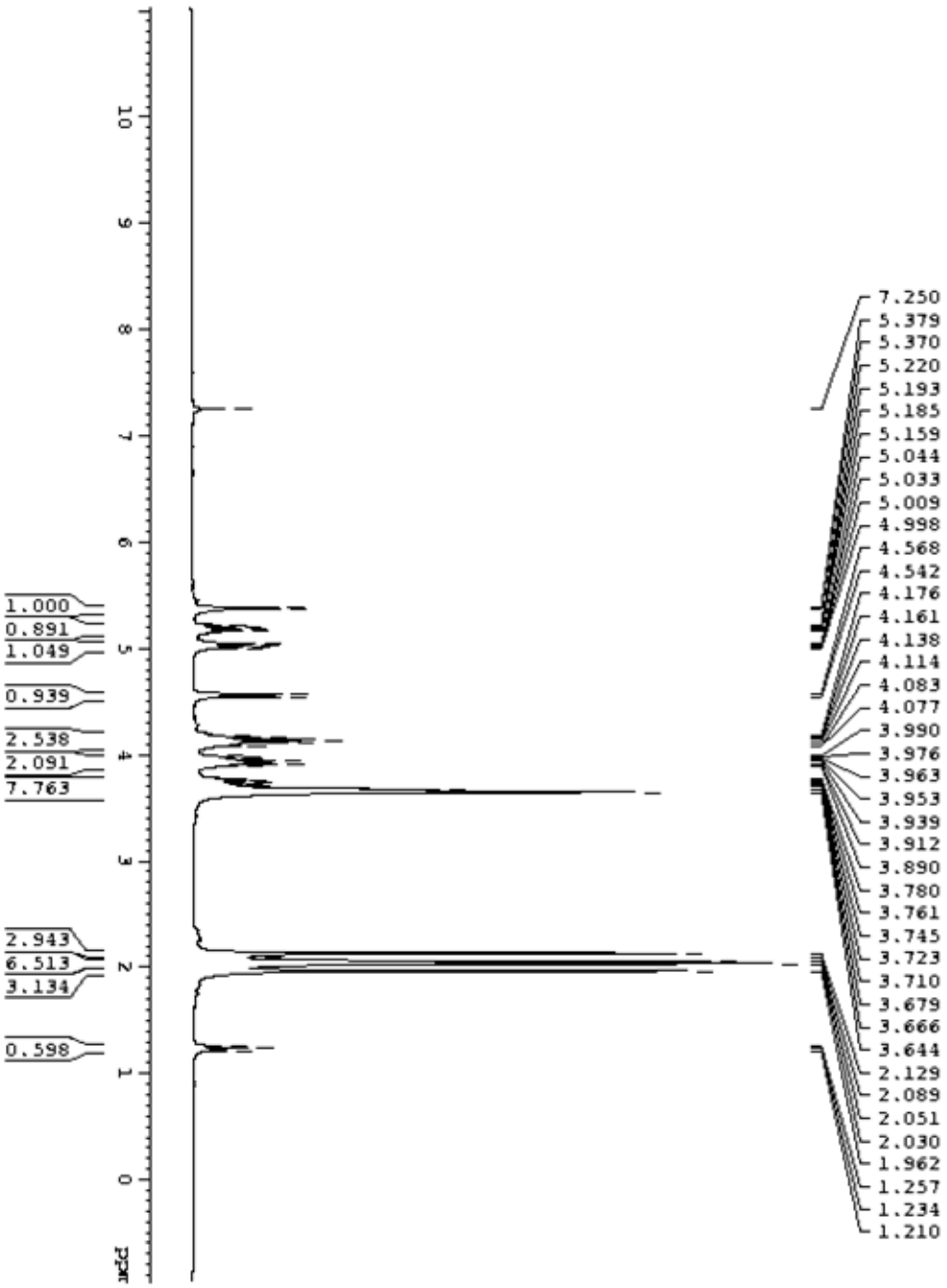


Figure S2. ^{1}H-NMR spectrum (300 MHz, $CDCl_3$) of **1**.

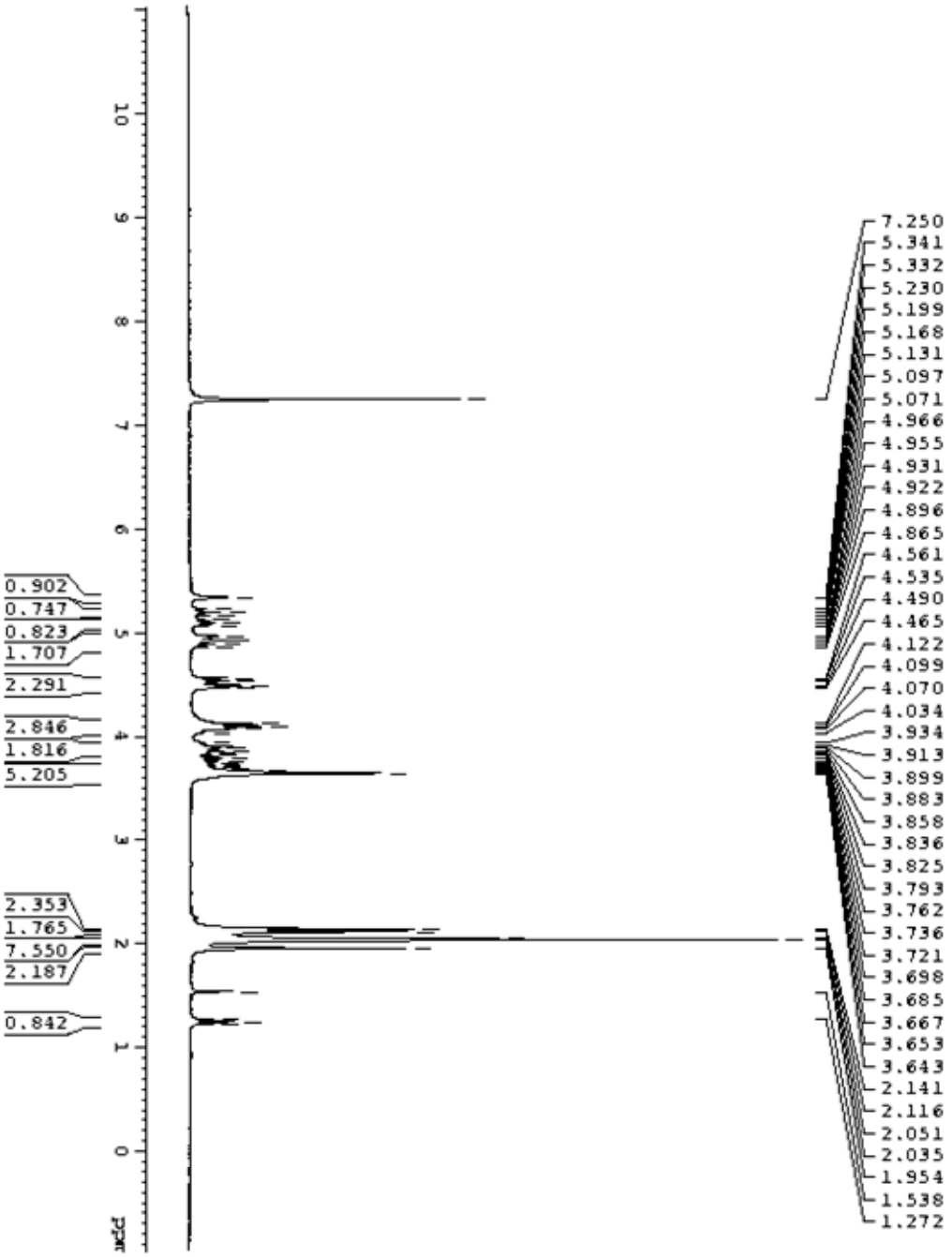


Figure S3. ^{1}H-NMR spectrum (300 MHz, $CDCl_3$) of **3**.

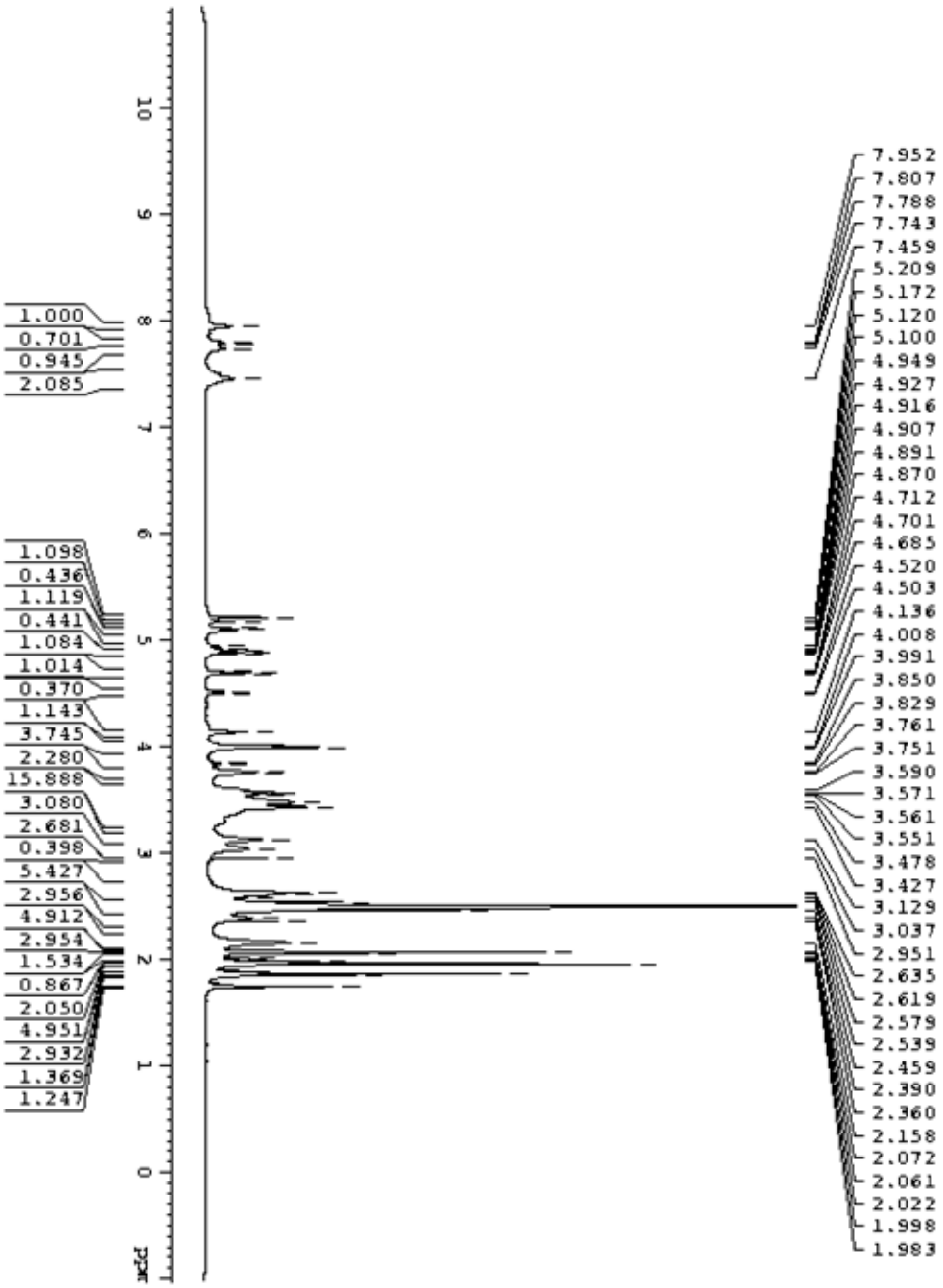


Figure S4. ^{1}H-NMR spectrum (500 MHz, d_6-DMSO) of **7b**. (acetylated).

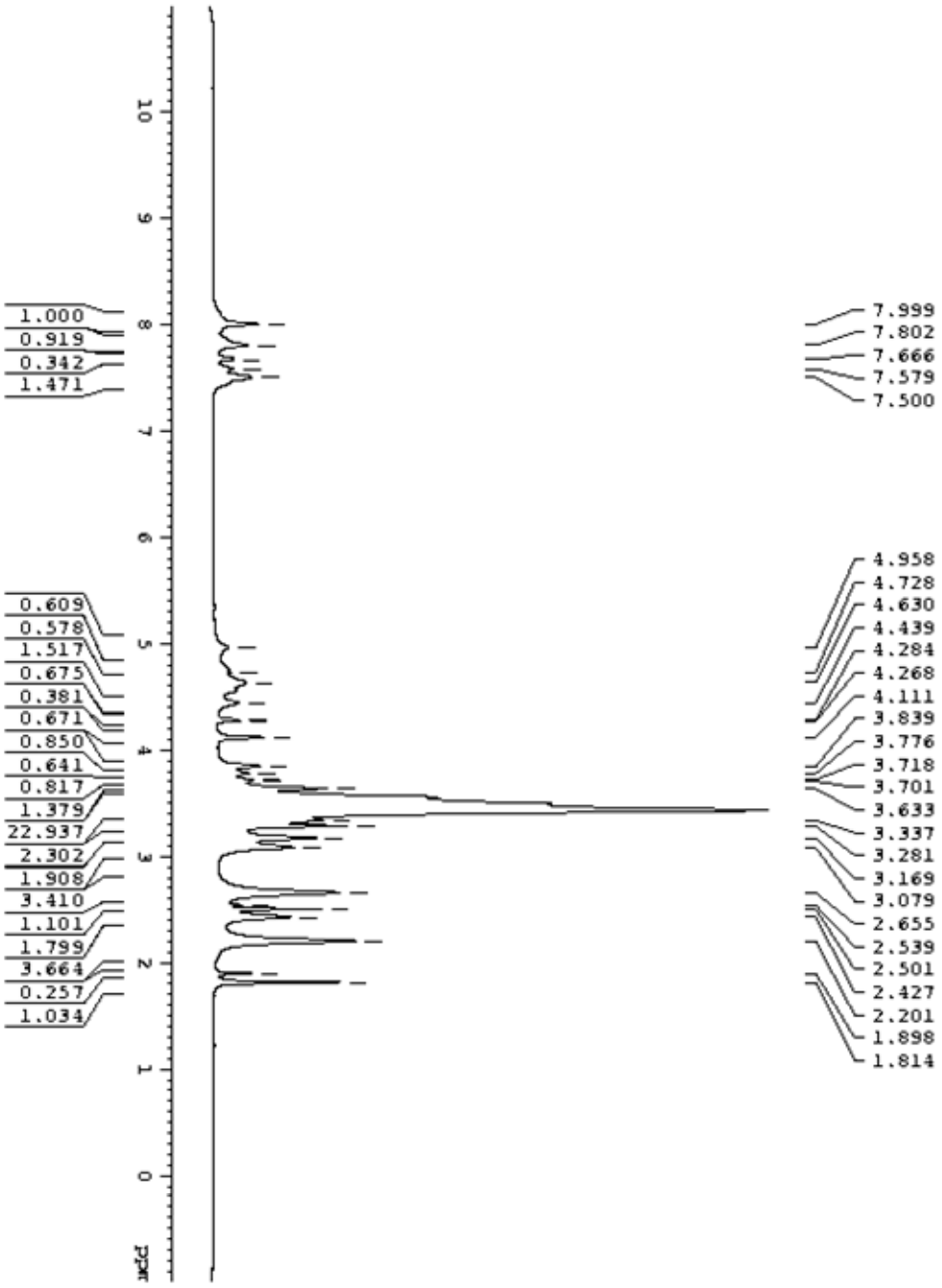


Figure S5. ^{1}H-NMR spectrum (500 MHz, d_6-DMSO) of **7b**. (deacetylated).

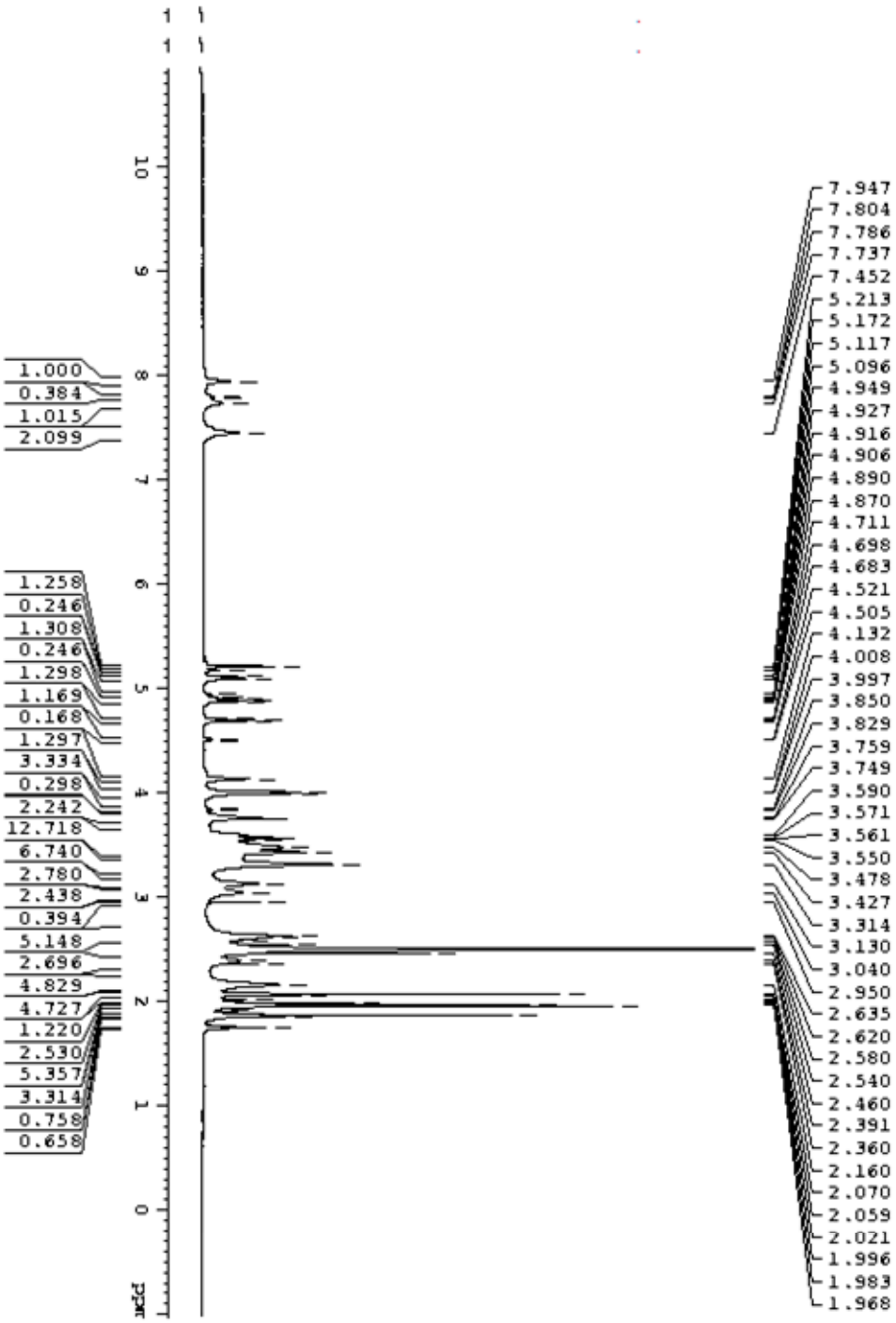


Figure S6. ^{1}H-NMR spectrum (500 MHz, d_6-DMSO) of **8a** (acetylated).

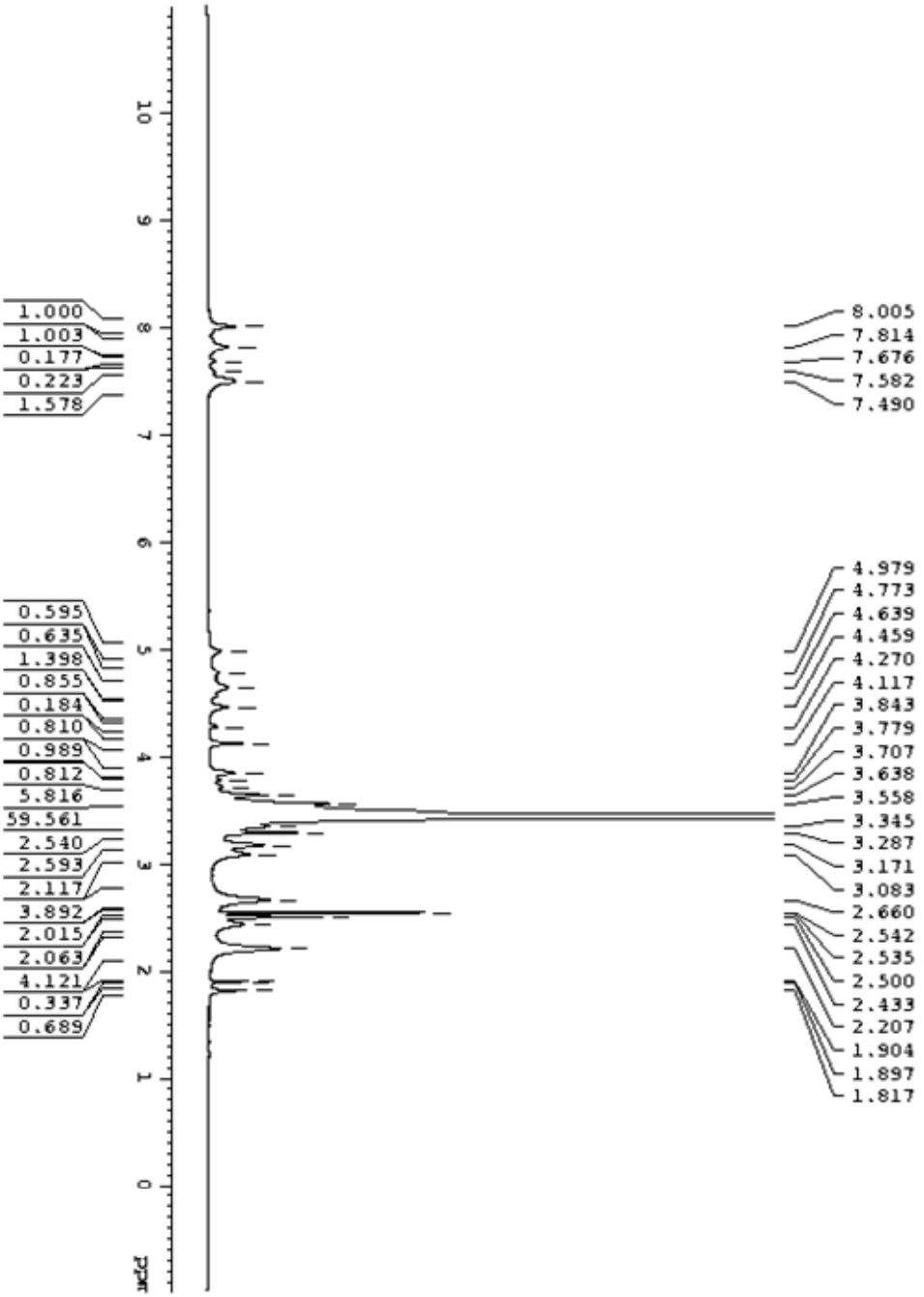


Figure S7. ^{1}H-NMR spectrum (500 MHz, d_6-DMSO) of **8a**. (deacetylated).

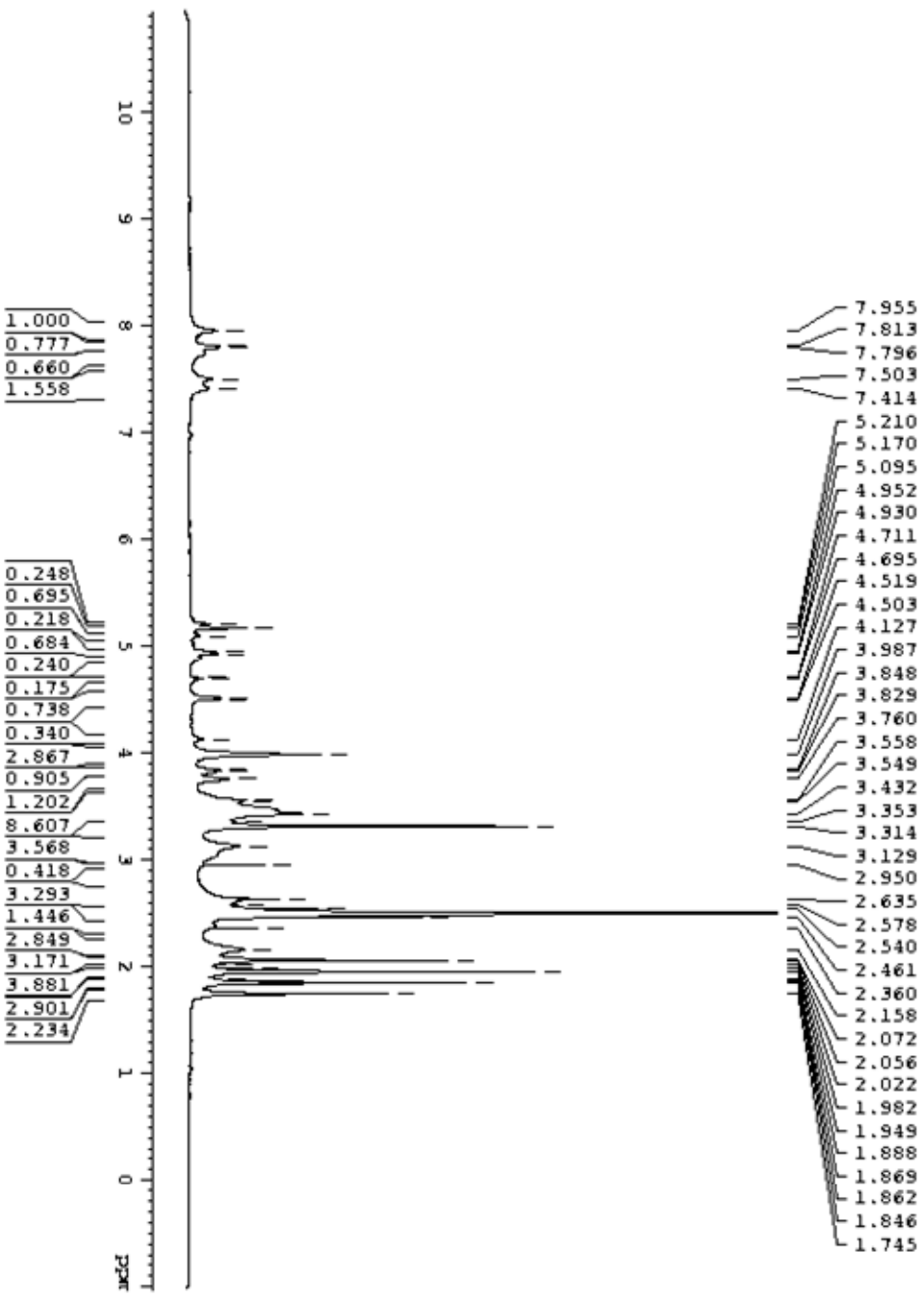


Figure S8. ^{1}H-NMR spectrum (500 MHz, d_6-DMSO) of **9e**. (acetylated).

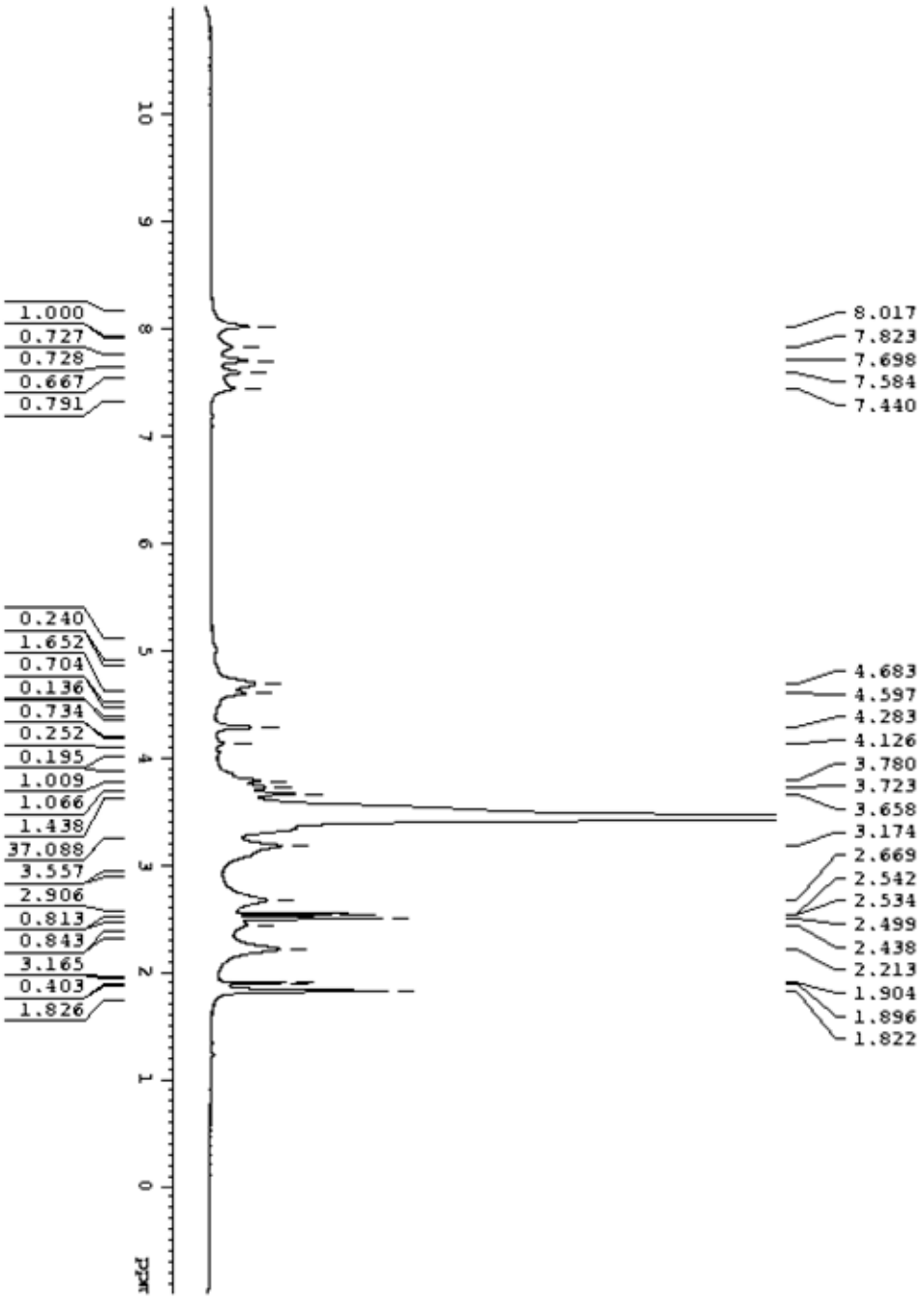
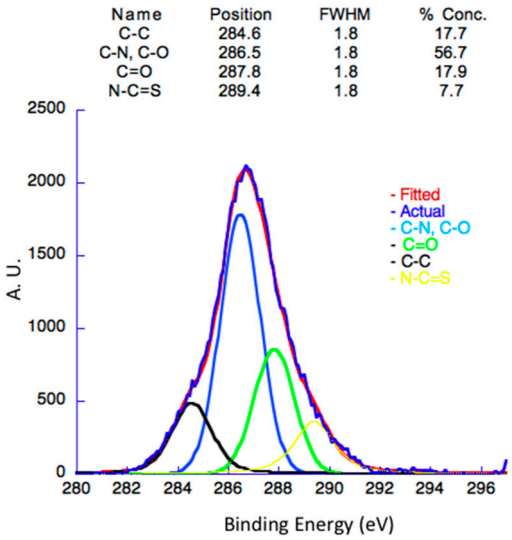
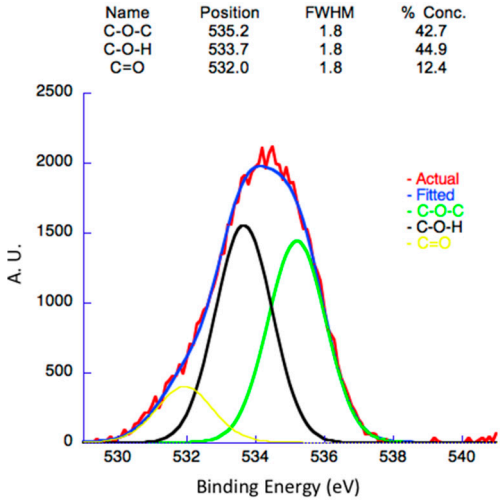


Figure S9. ^{1}H-NMR spectrum (500 MHz, d_6-DMSO) of **9e**. (deacetylated).

High resolution XPS spectra of C 1s, compound **6a**



High resolution XPS spectra of O 1s, compound **6a**



High resolution XPS spectra of N 1s, compound **6a**

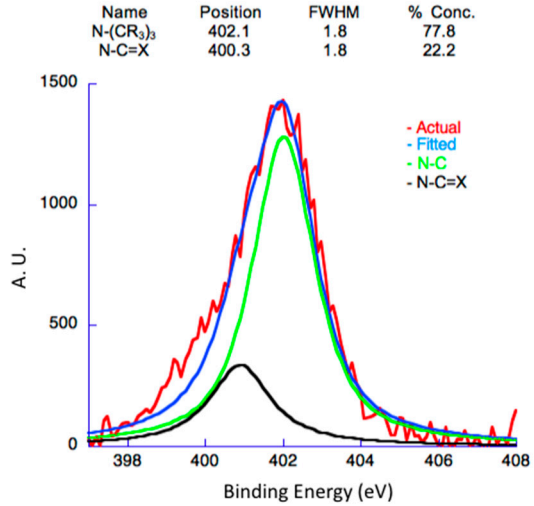


Figure S10. High resolution XPS spectra for compound **6a**.

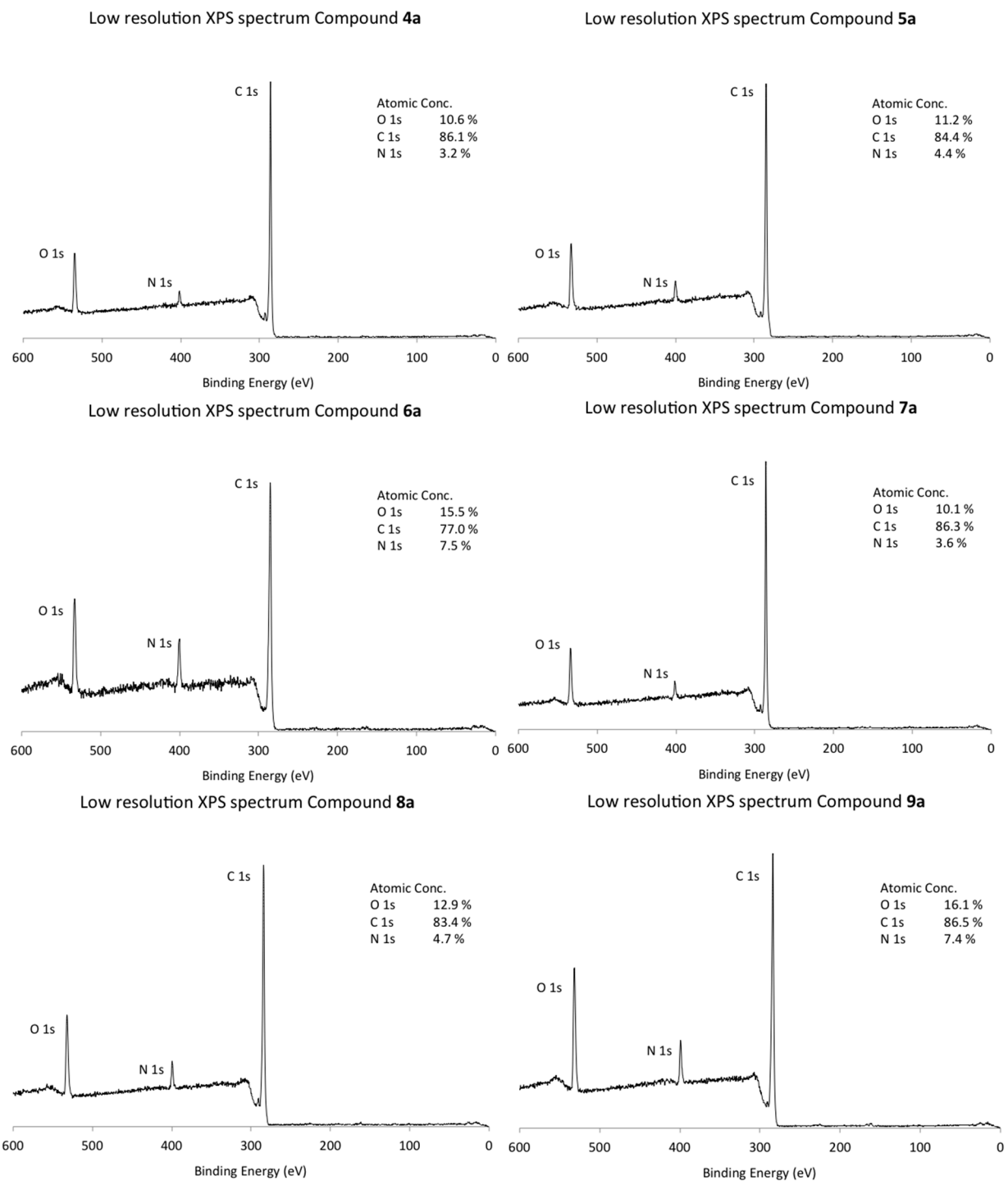


Figure S11. XPS Spectra, series **a**.

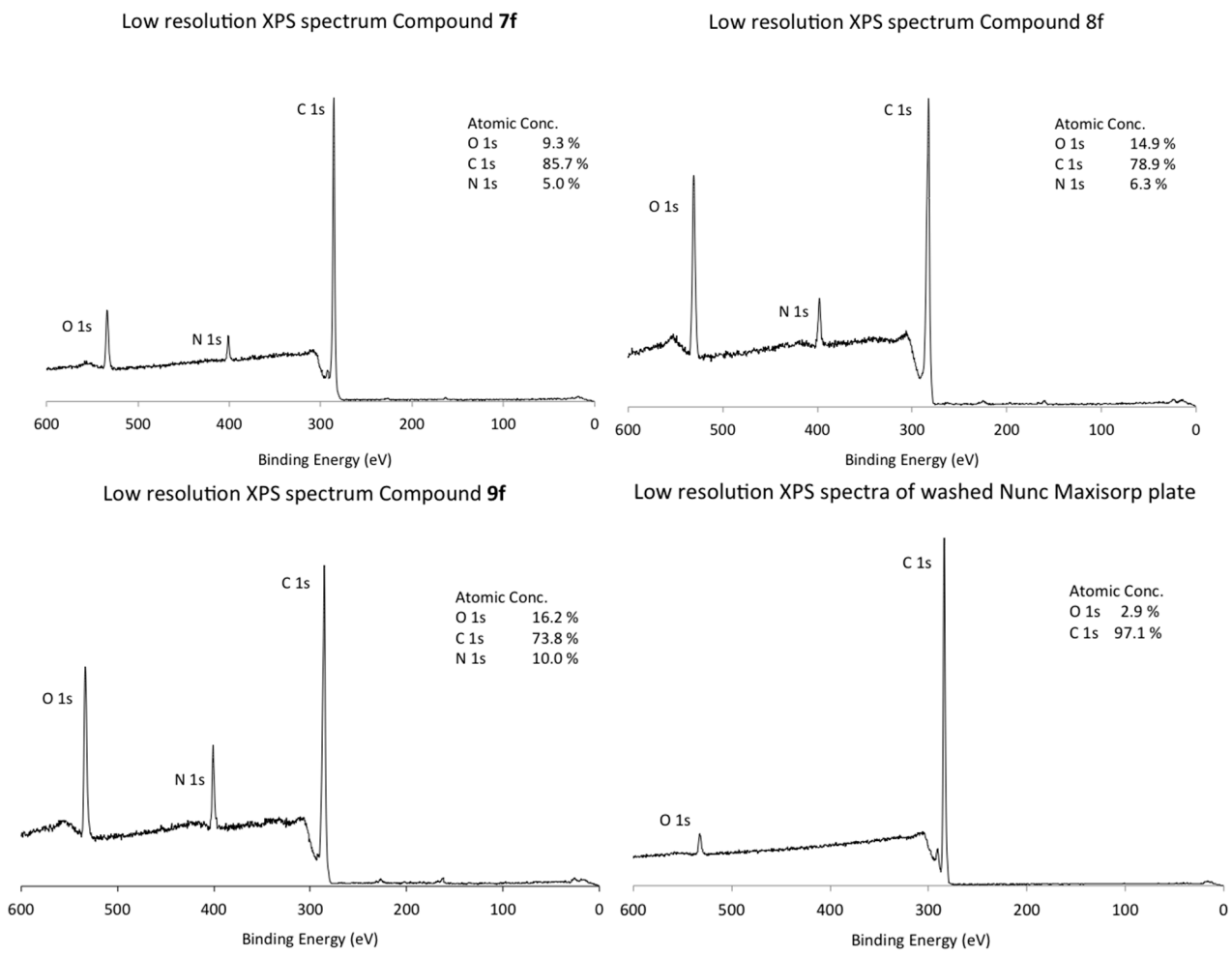


Figure S12. XPS Spectra, series **f** and control.