

Electronic supplementary information

The effect of substituent variation on the DNA binding and *in-vitro* antioxidant properties Copper(II) Schiff bases complexes

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Mabuba,^{a*}

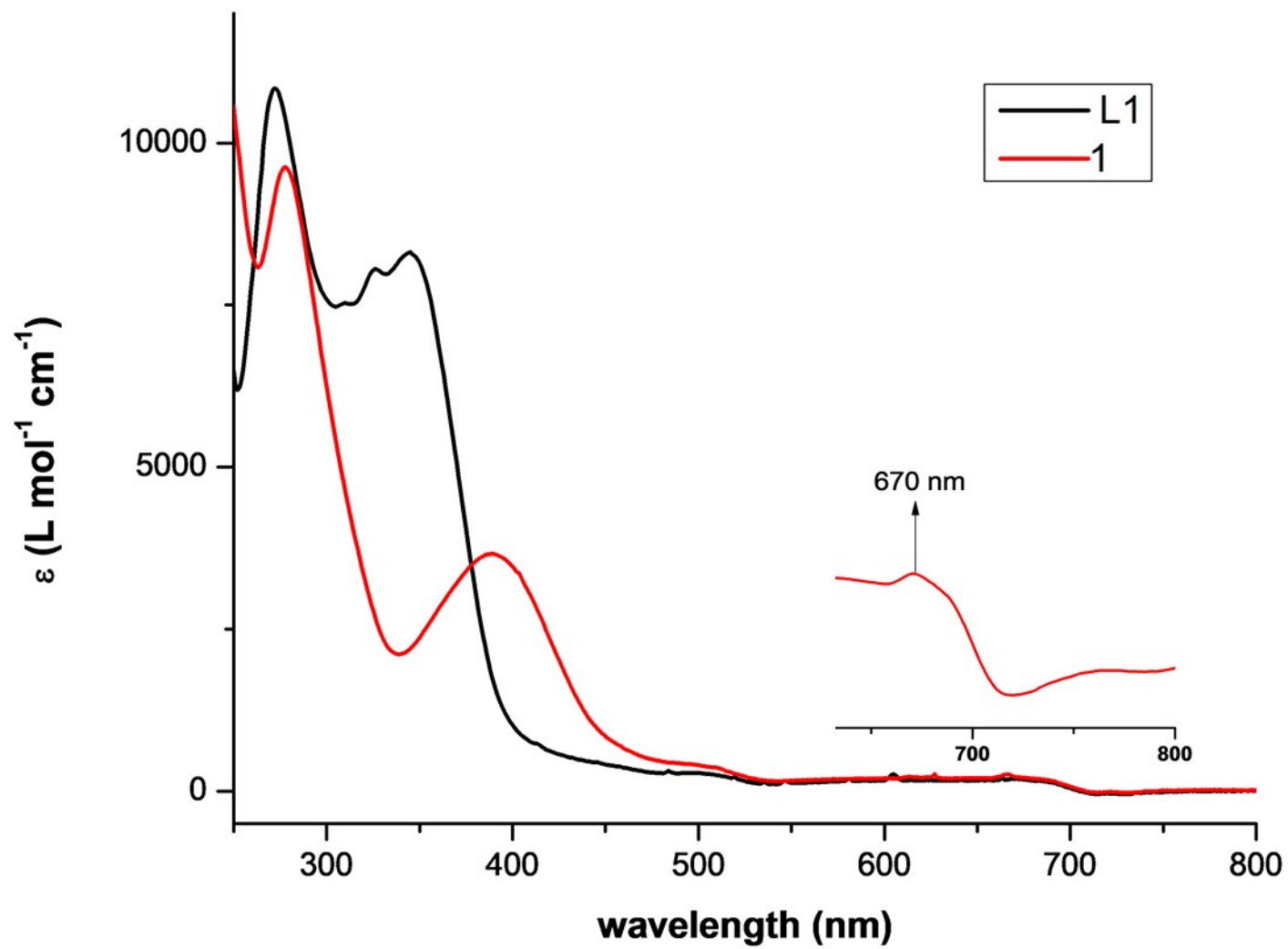


Figure 1. Electronic absorption spectra of complex 1 and L1 in DCM

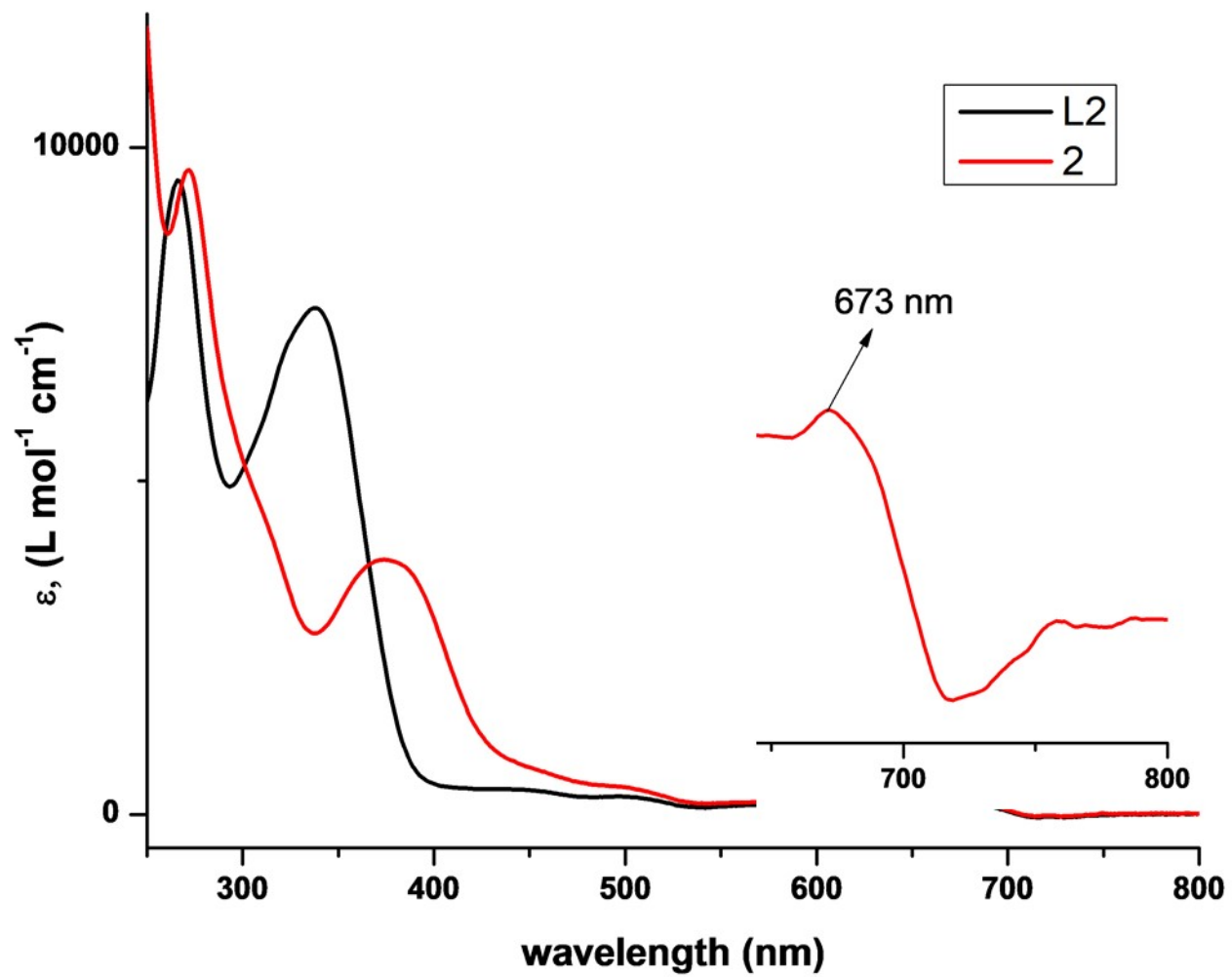


Figure 2. Electronic absorption spectra of complex 2 and L2 in DCM

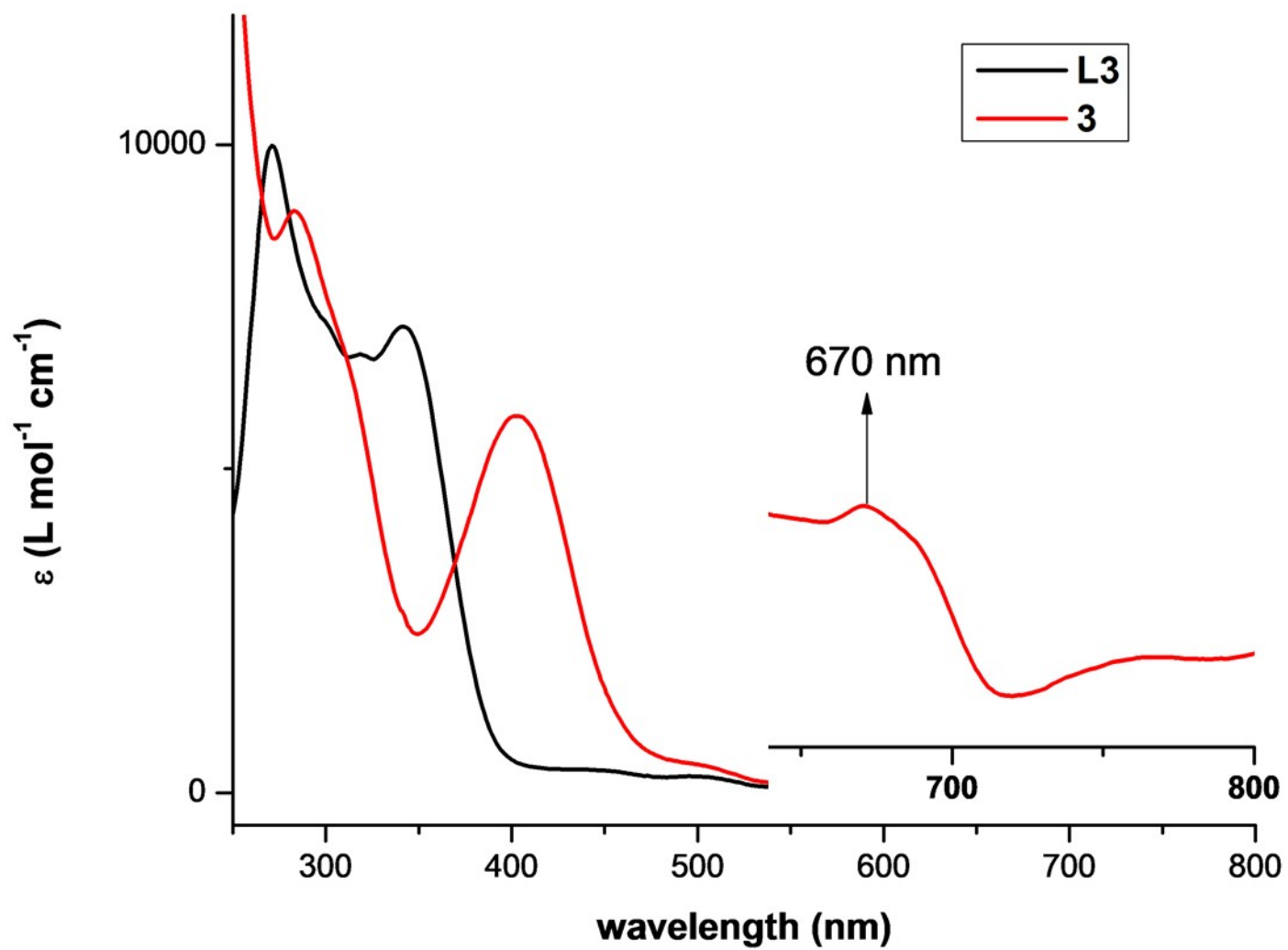


Figure 3. Electronic absorption spectra of complex 3 and L3 in DCM

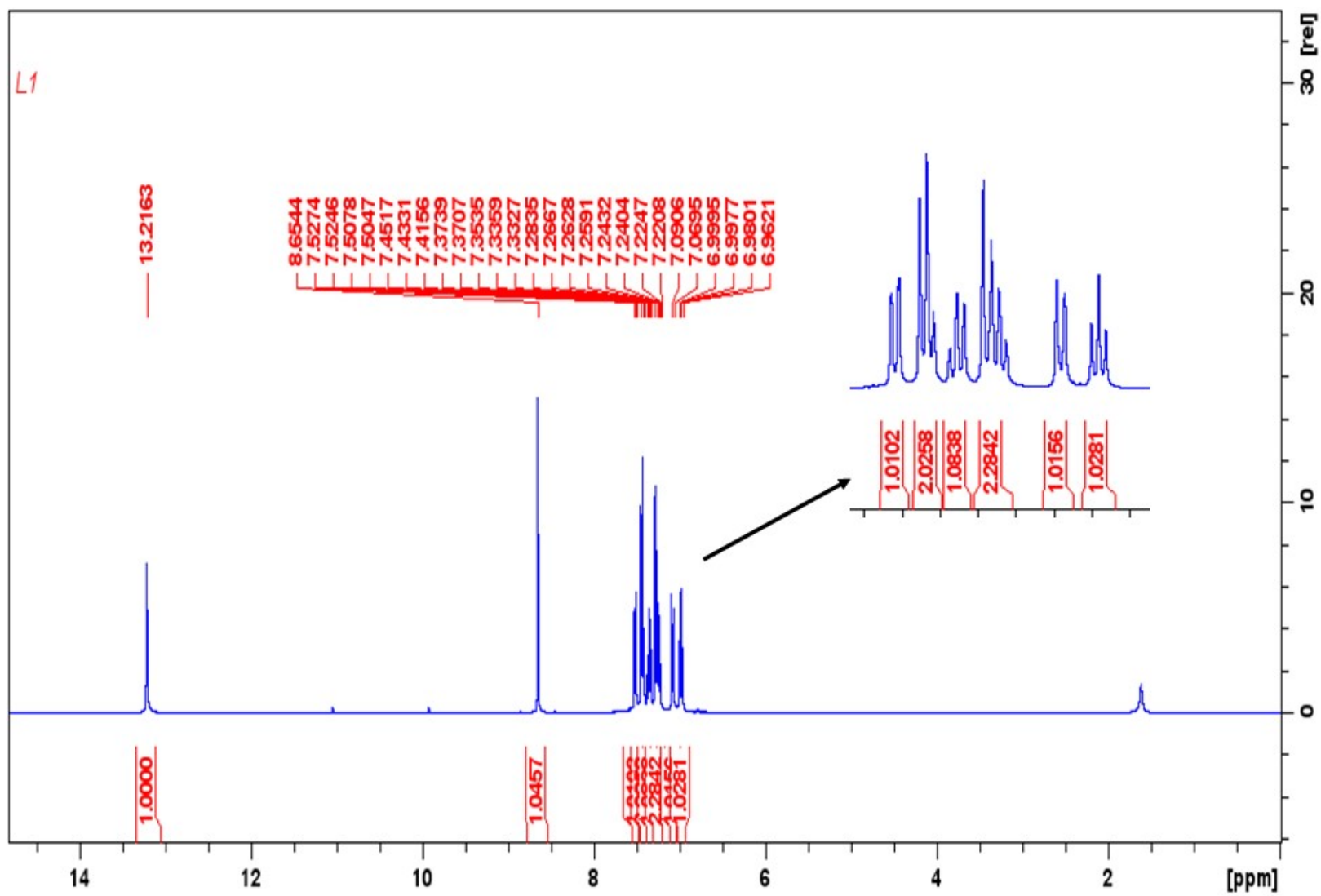


Figure 4. ^1H NMR for L1

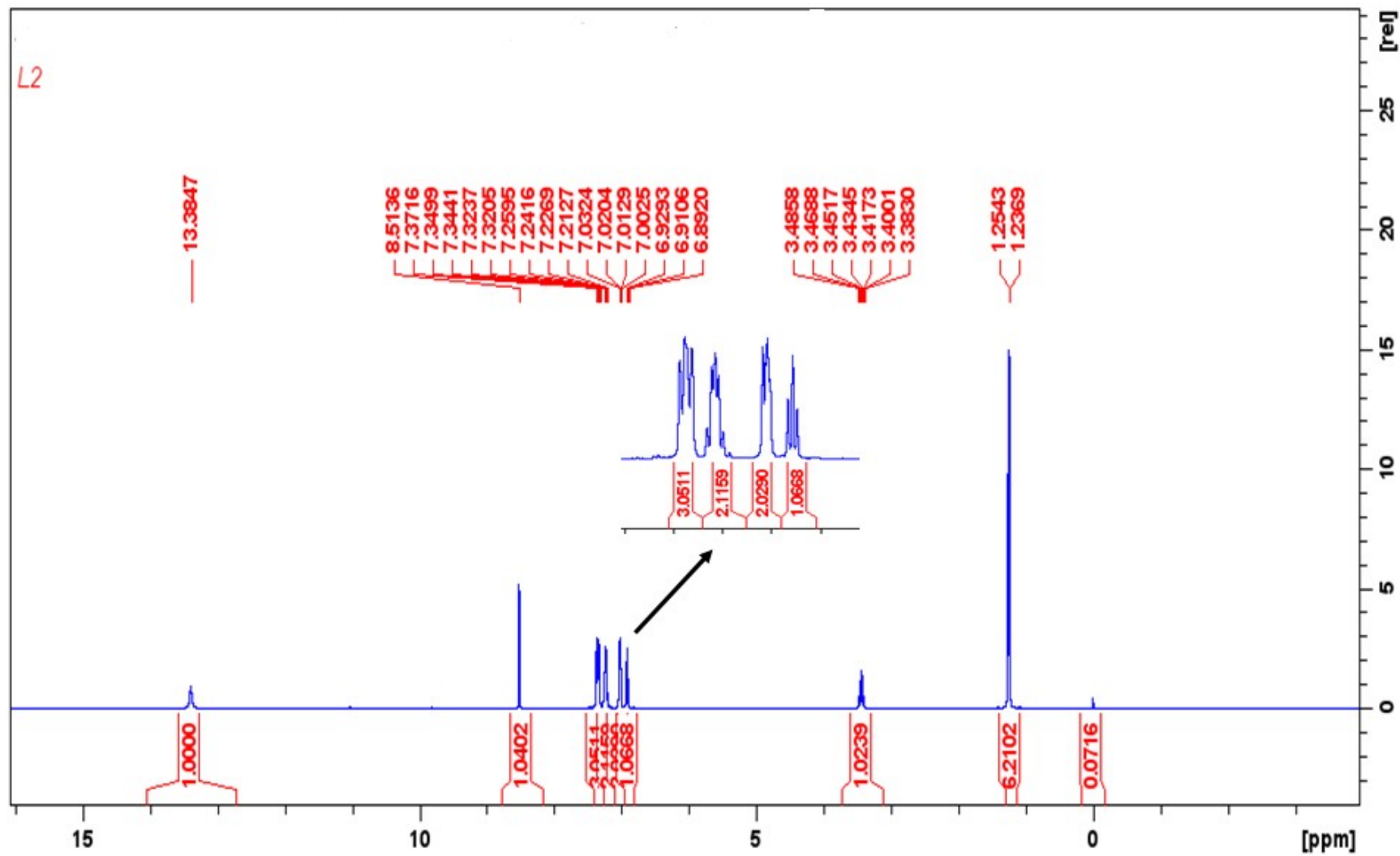


Figure 5. ¹H NMR for L2

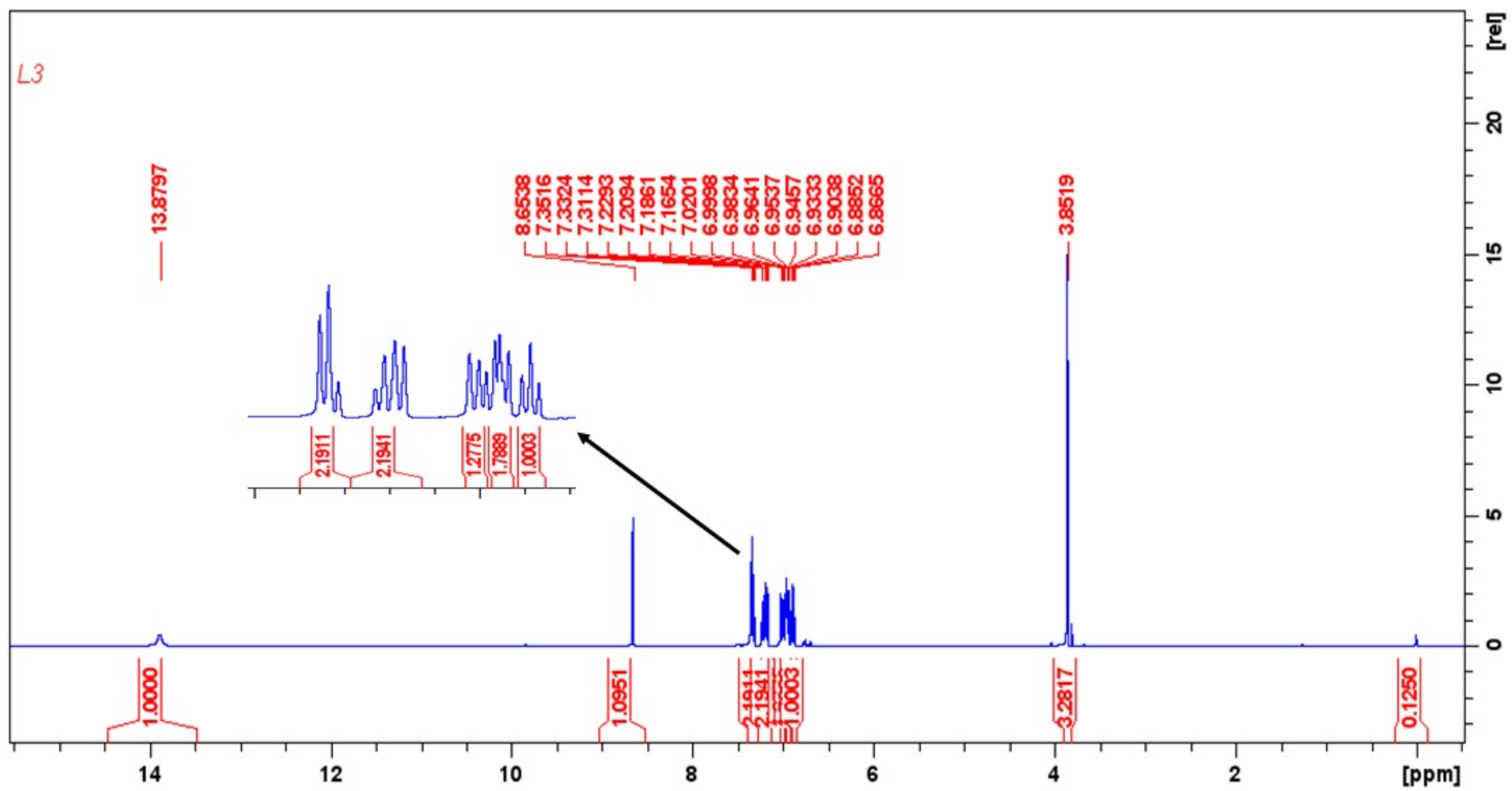


Figure 6. ^1H NMR for L3

L1

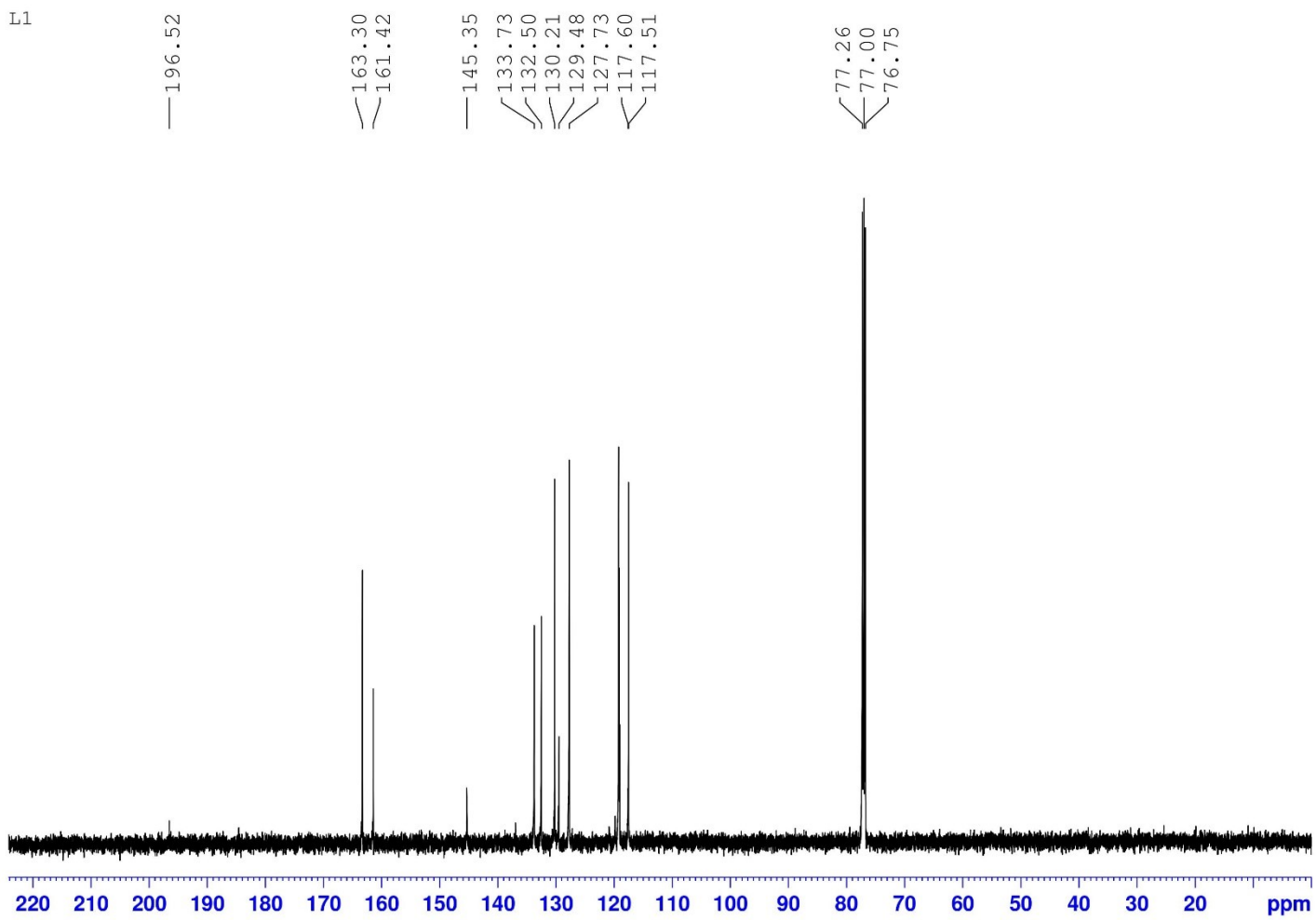


Figure 7. ^{13}C NMR for 1

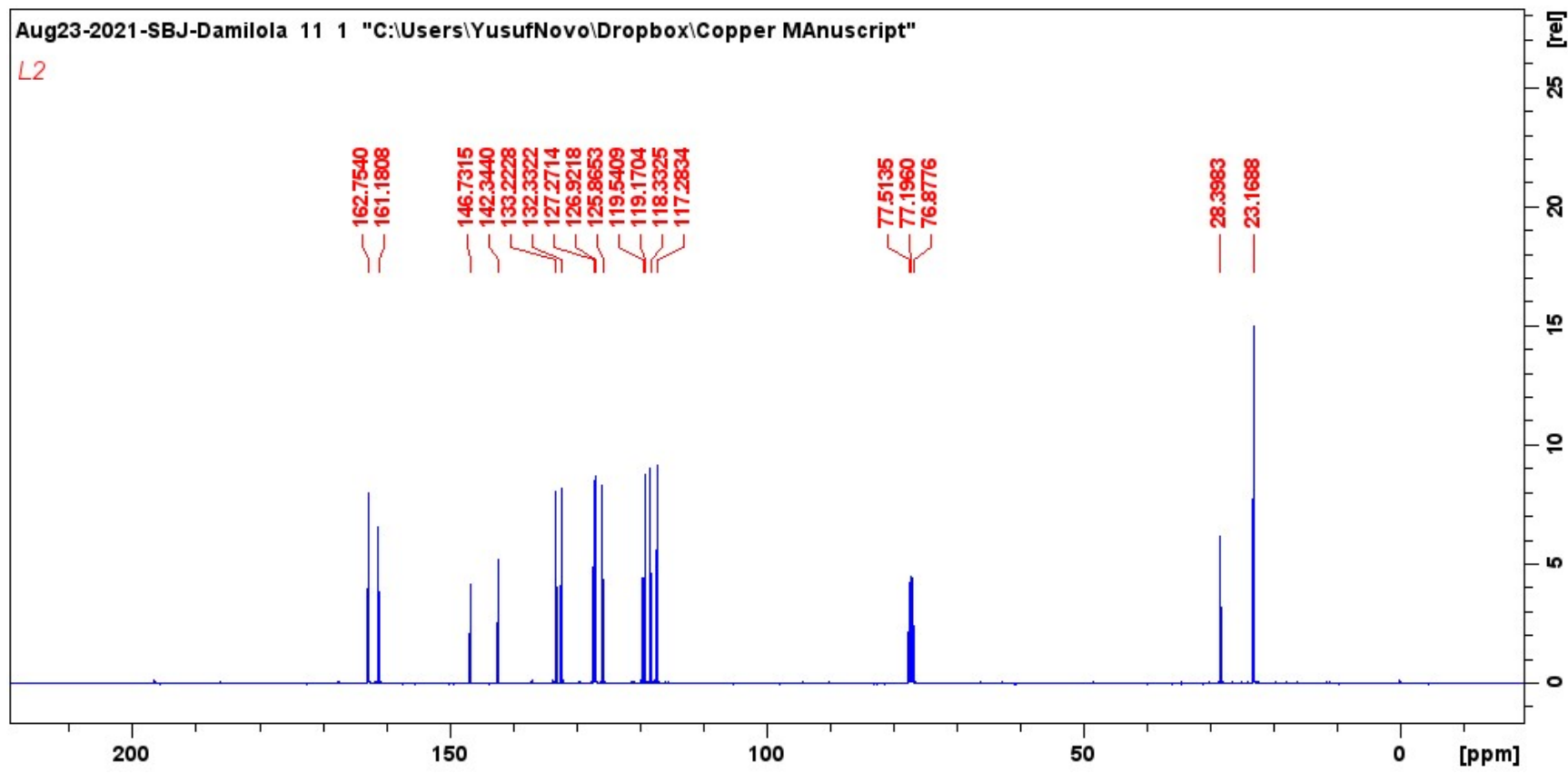


Figure 8. ^{13}C NMR for L2

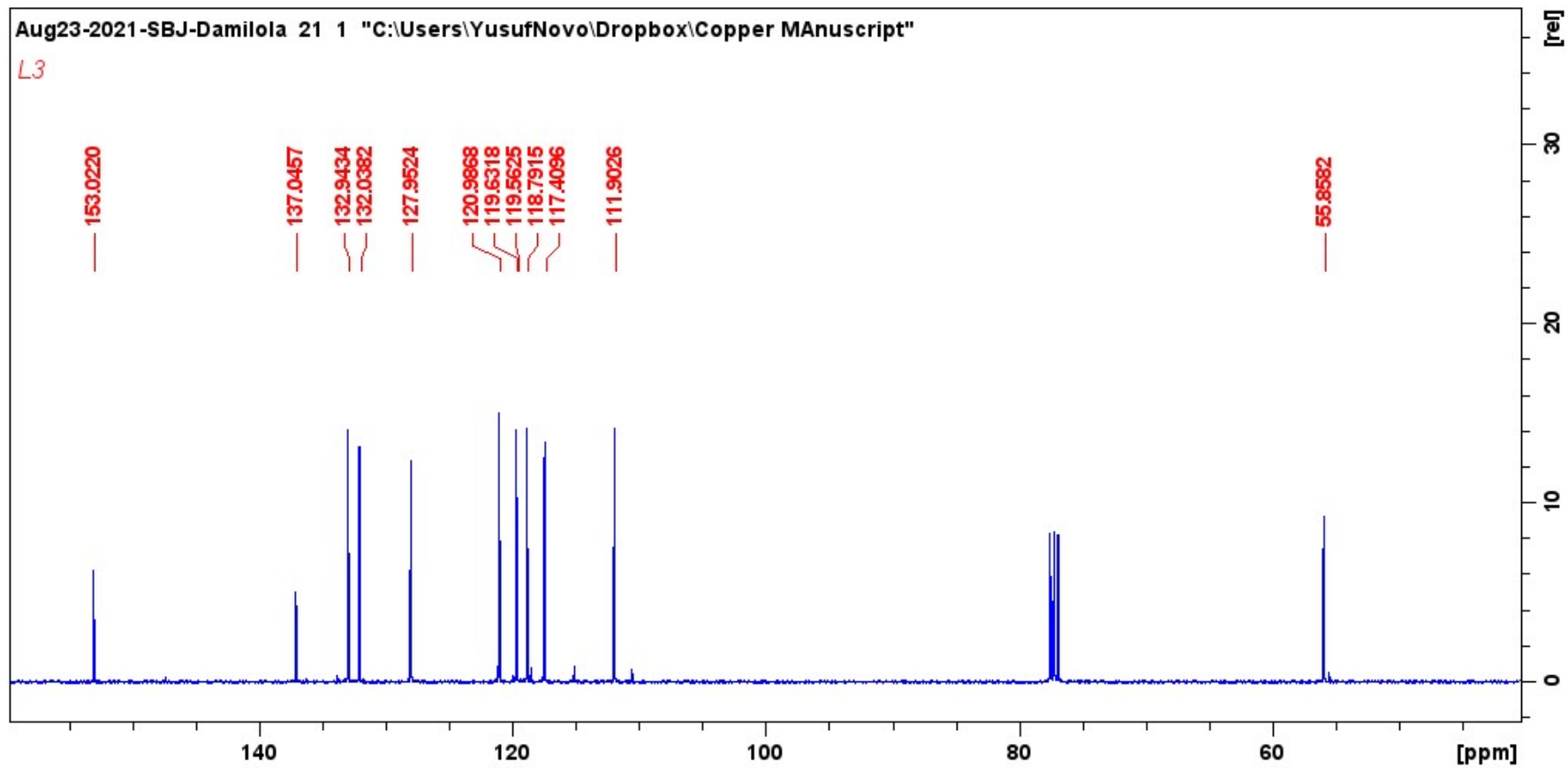


Figure 9. ¹³C NMR for L3

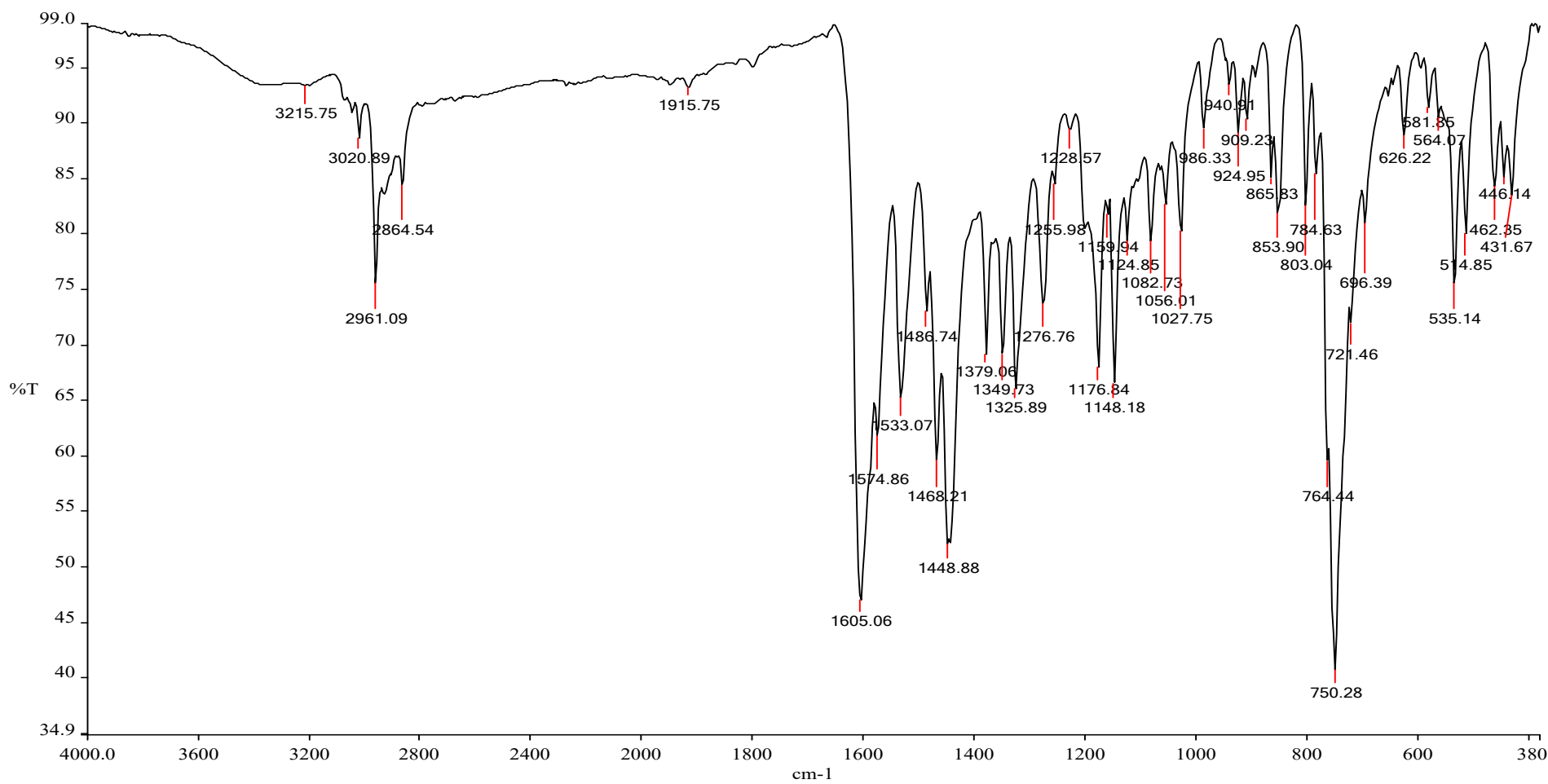


Figure 10. FT-IR for L1

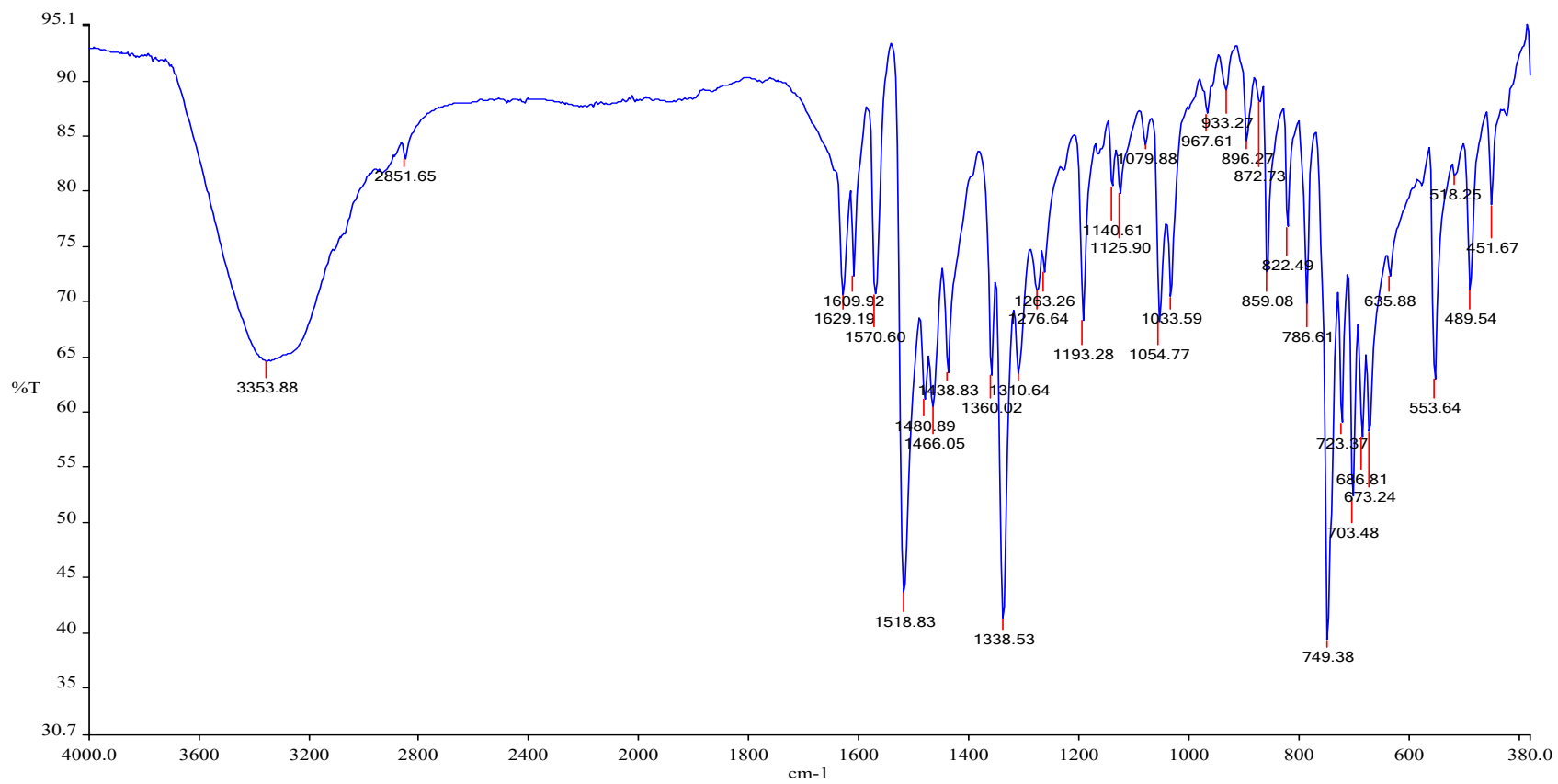


Figure 11. FT-IR for L2

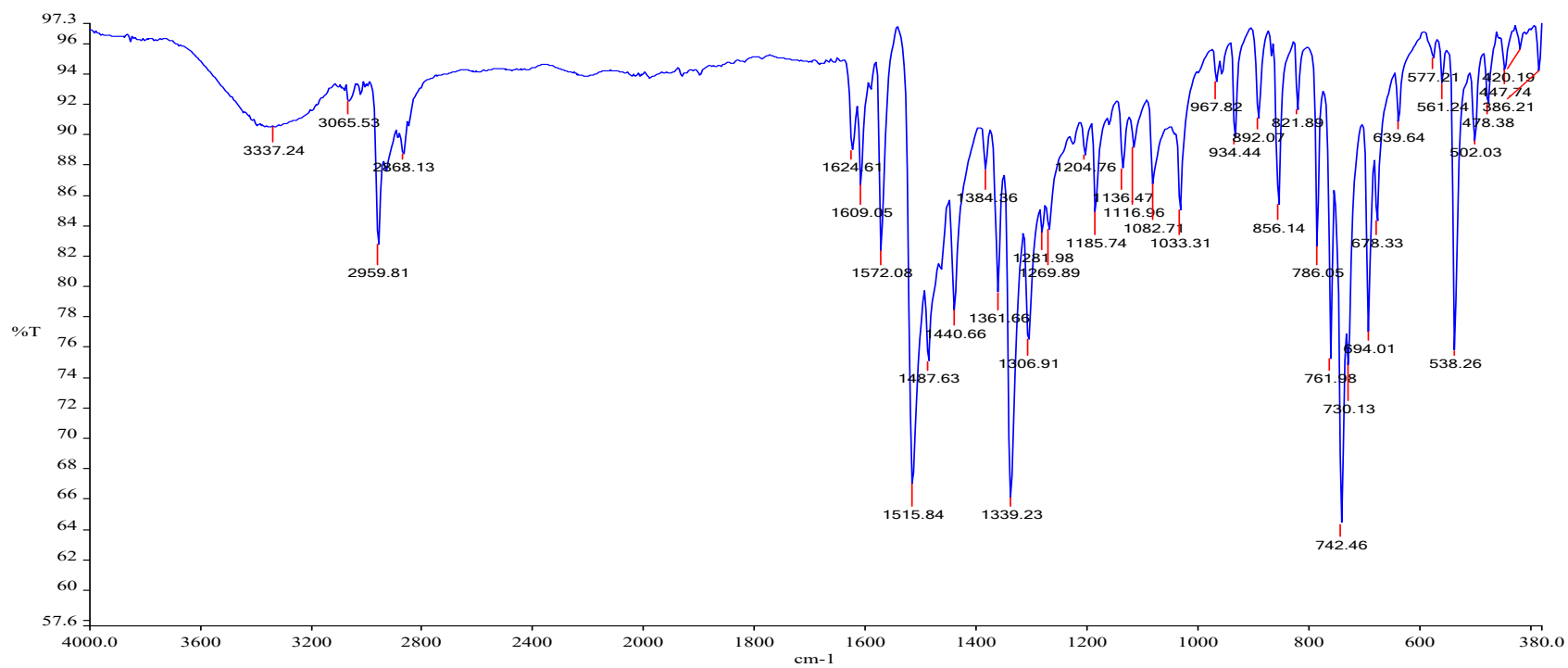


Figure 12. FT-IR for L3

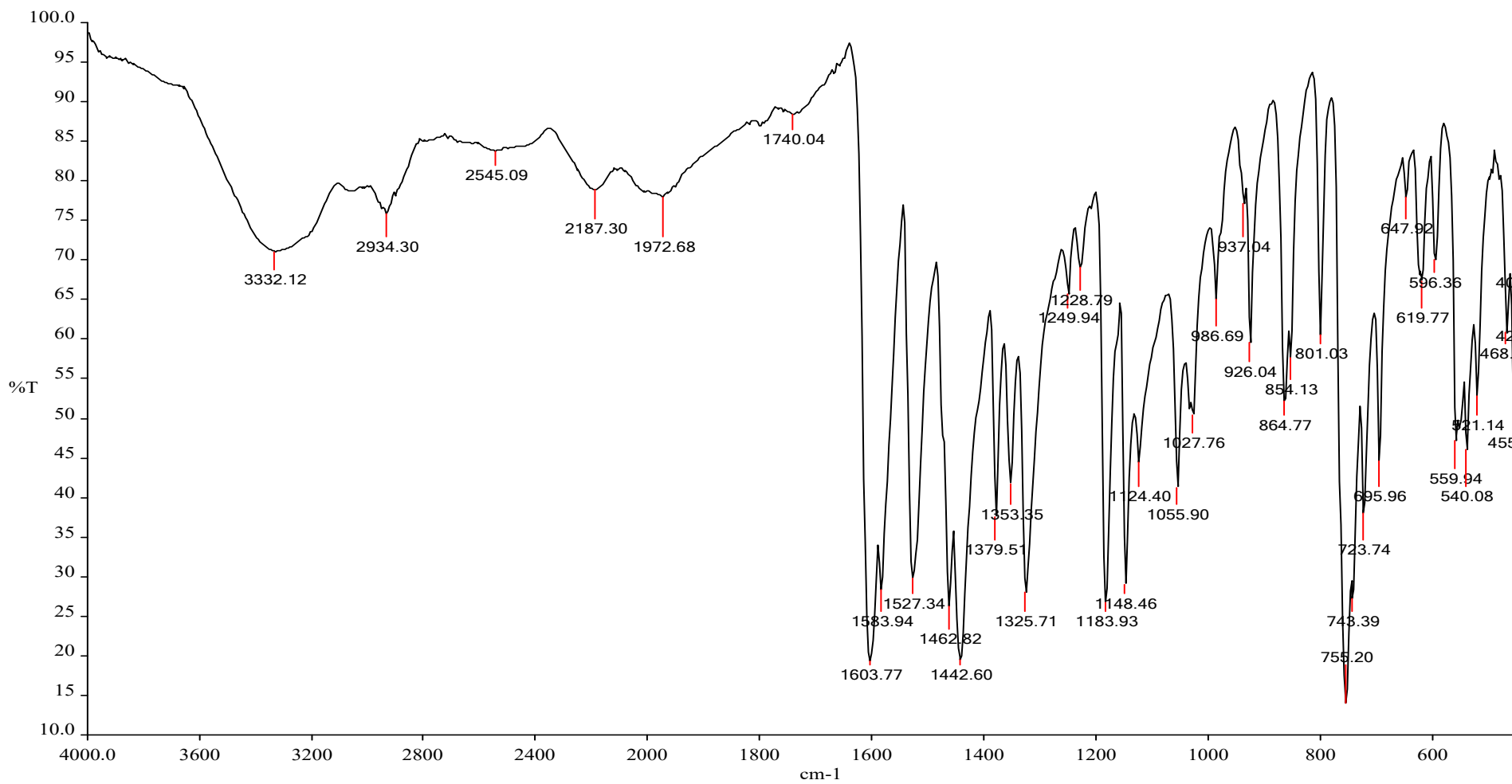


Figure 13. FT-IR for 1

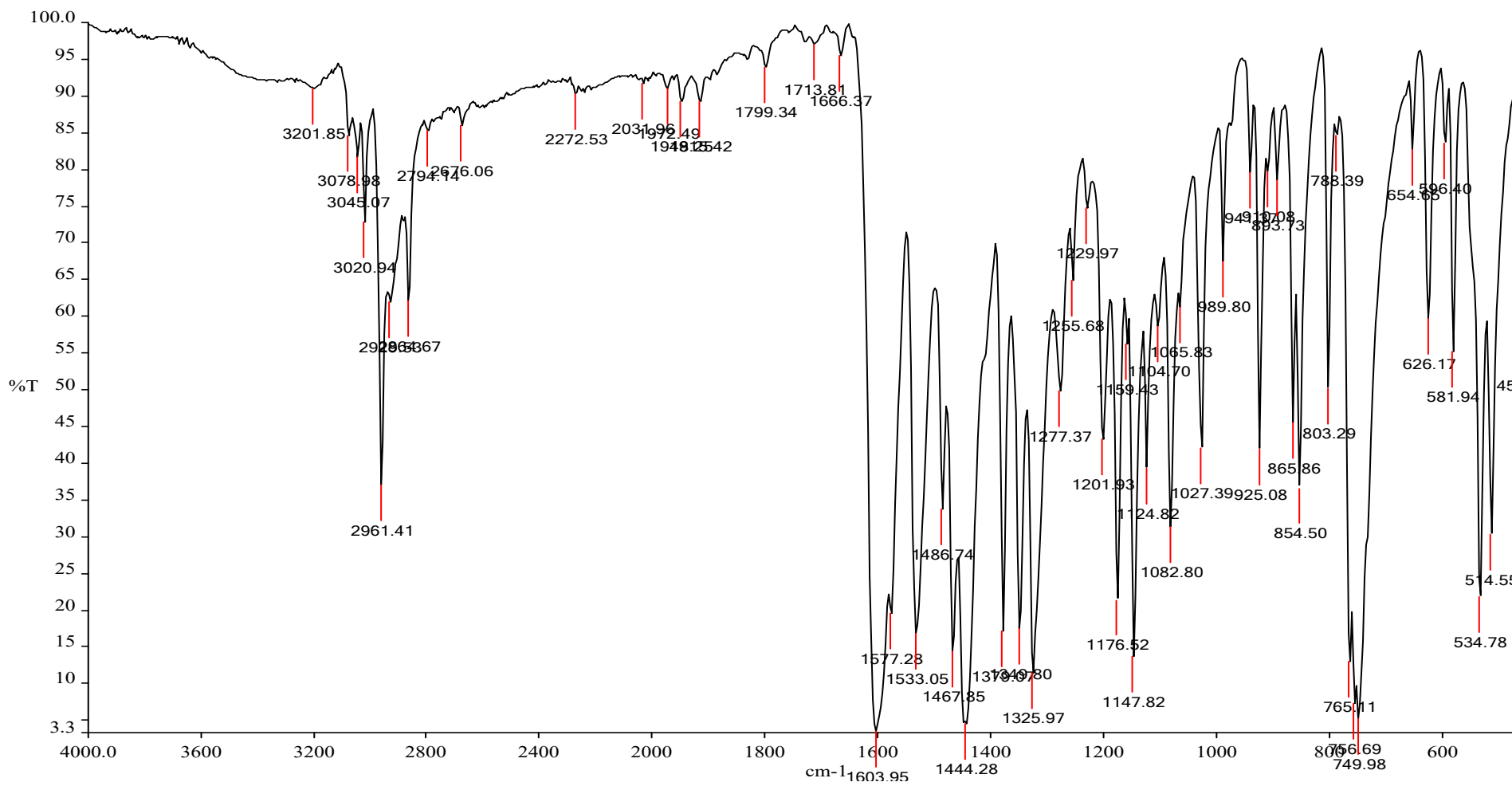


Figure 14. FT-IR for 2

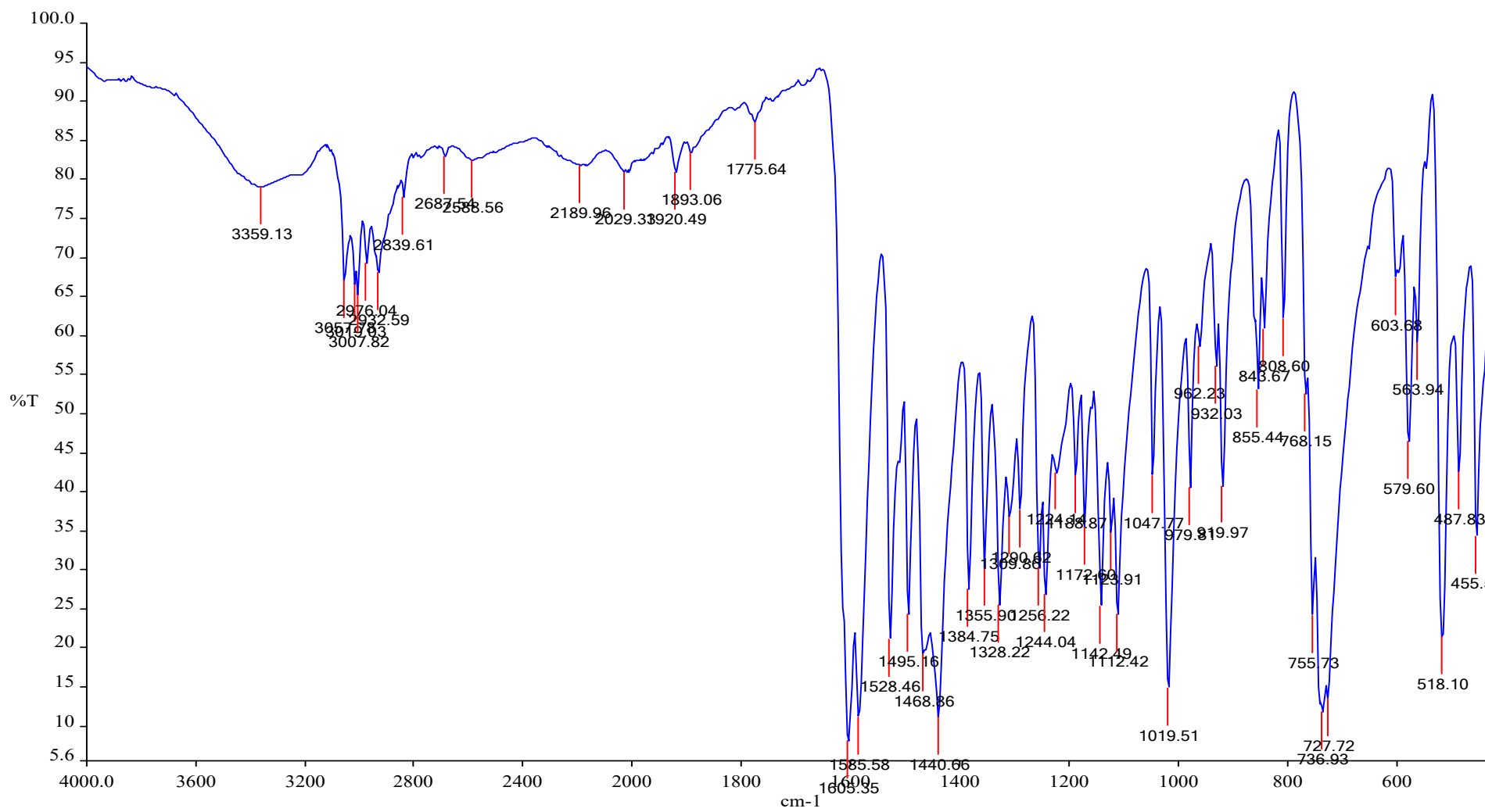


Figure 15. FT-IR for 3

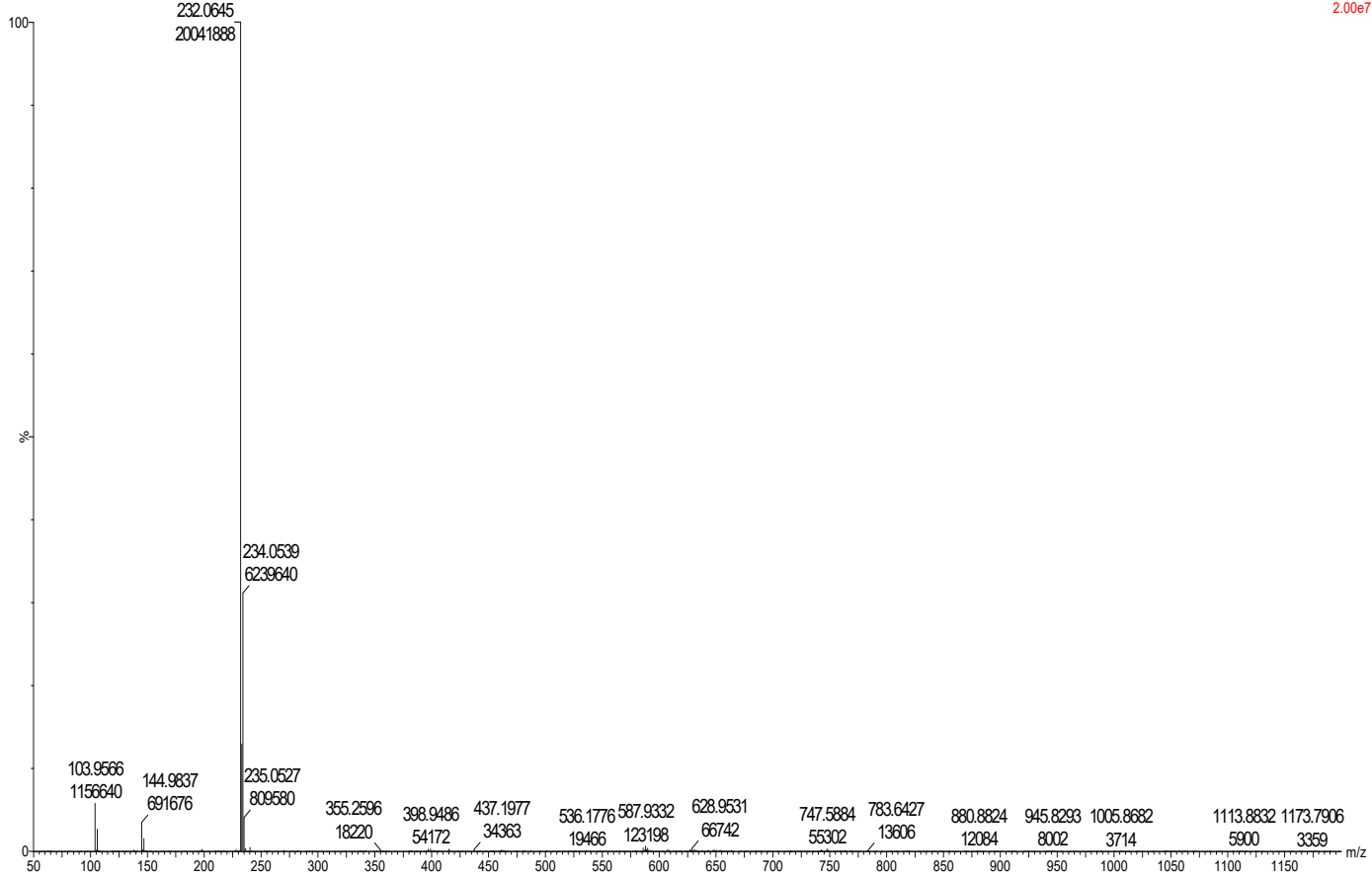


Figure 16. ESI-MS for 1

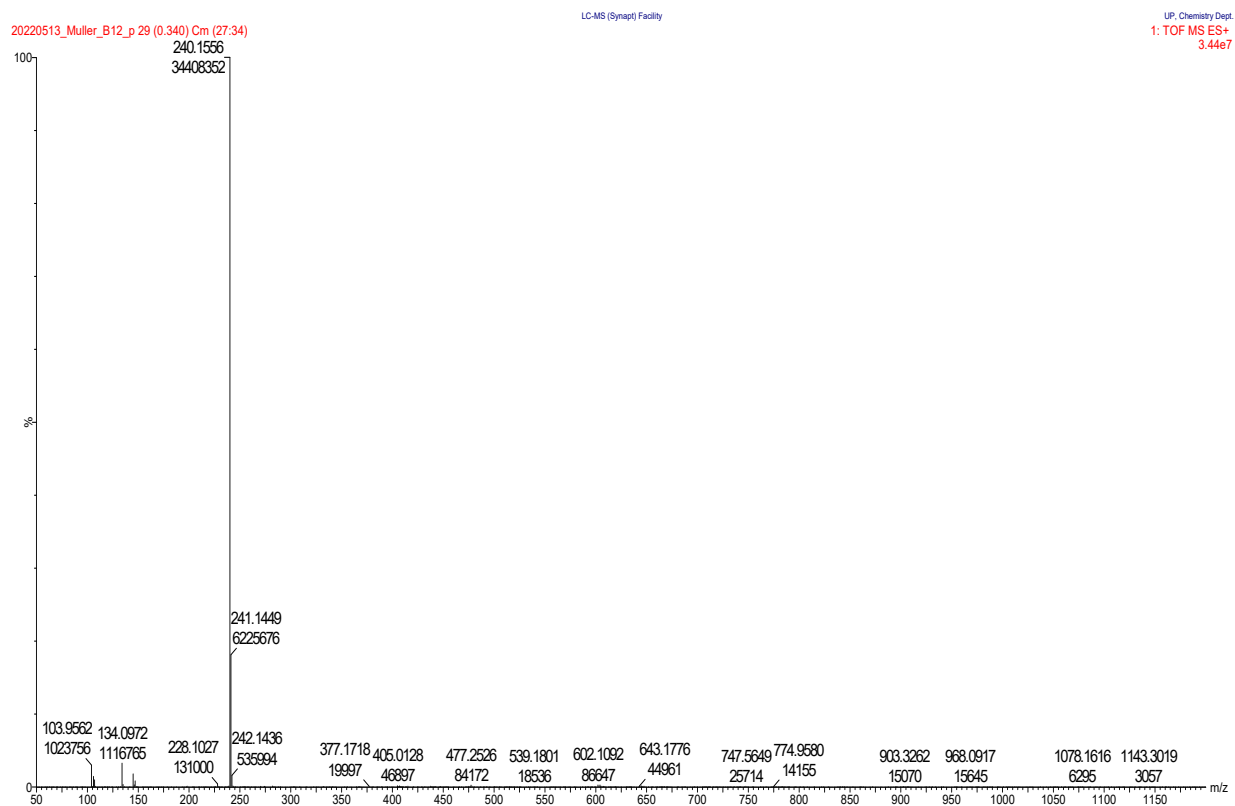


Figure 17. ESI-MS for 2

20220513_Muller_B11_p_30 (0.358) Cm (27:34)

LC-MS (Synapt) Facility

UP, Chemistry Dept.
1: TOF MS ES+
3.51e7

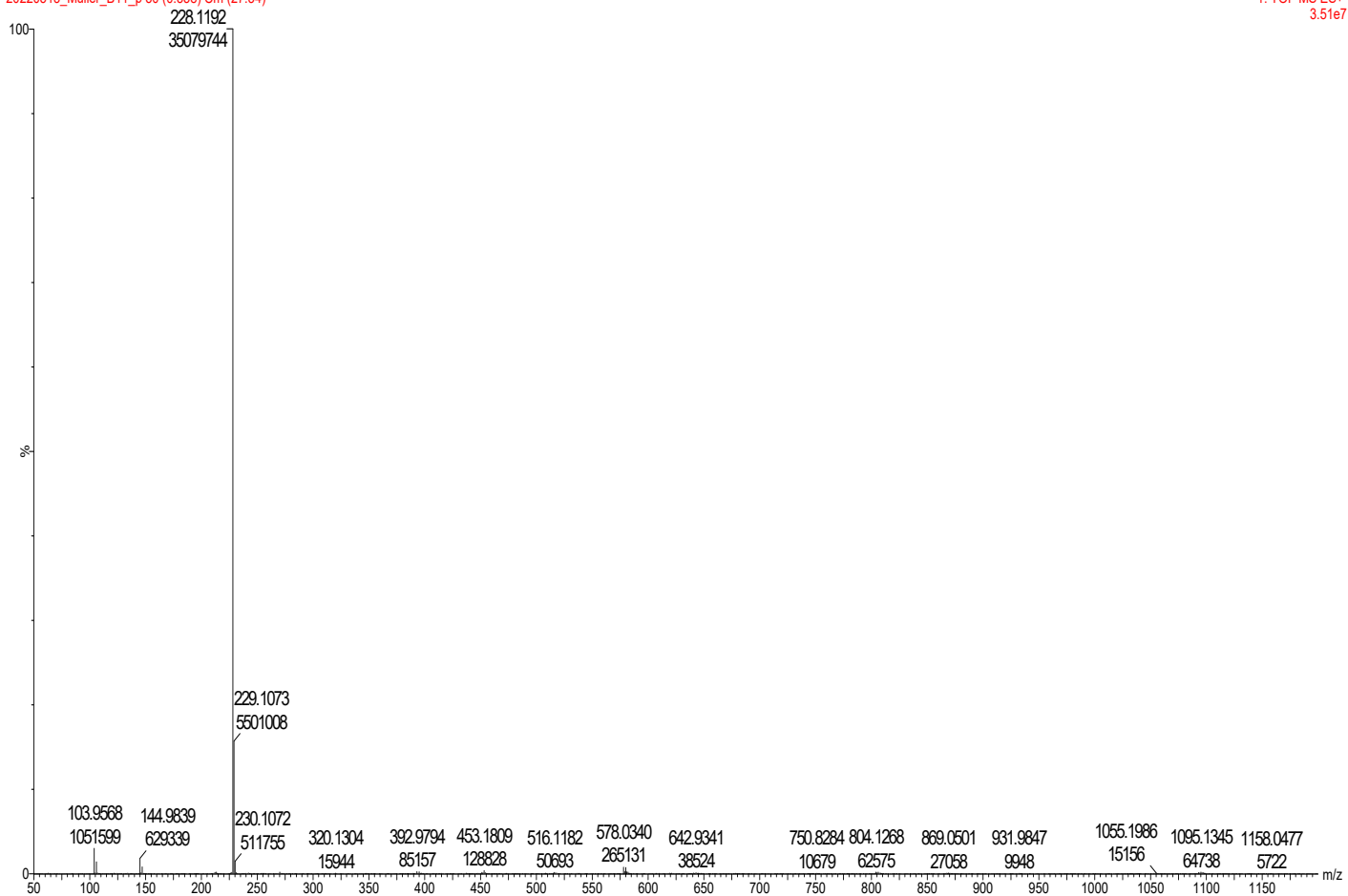


Figure 18. ESI-MS for 3

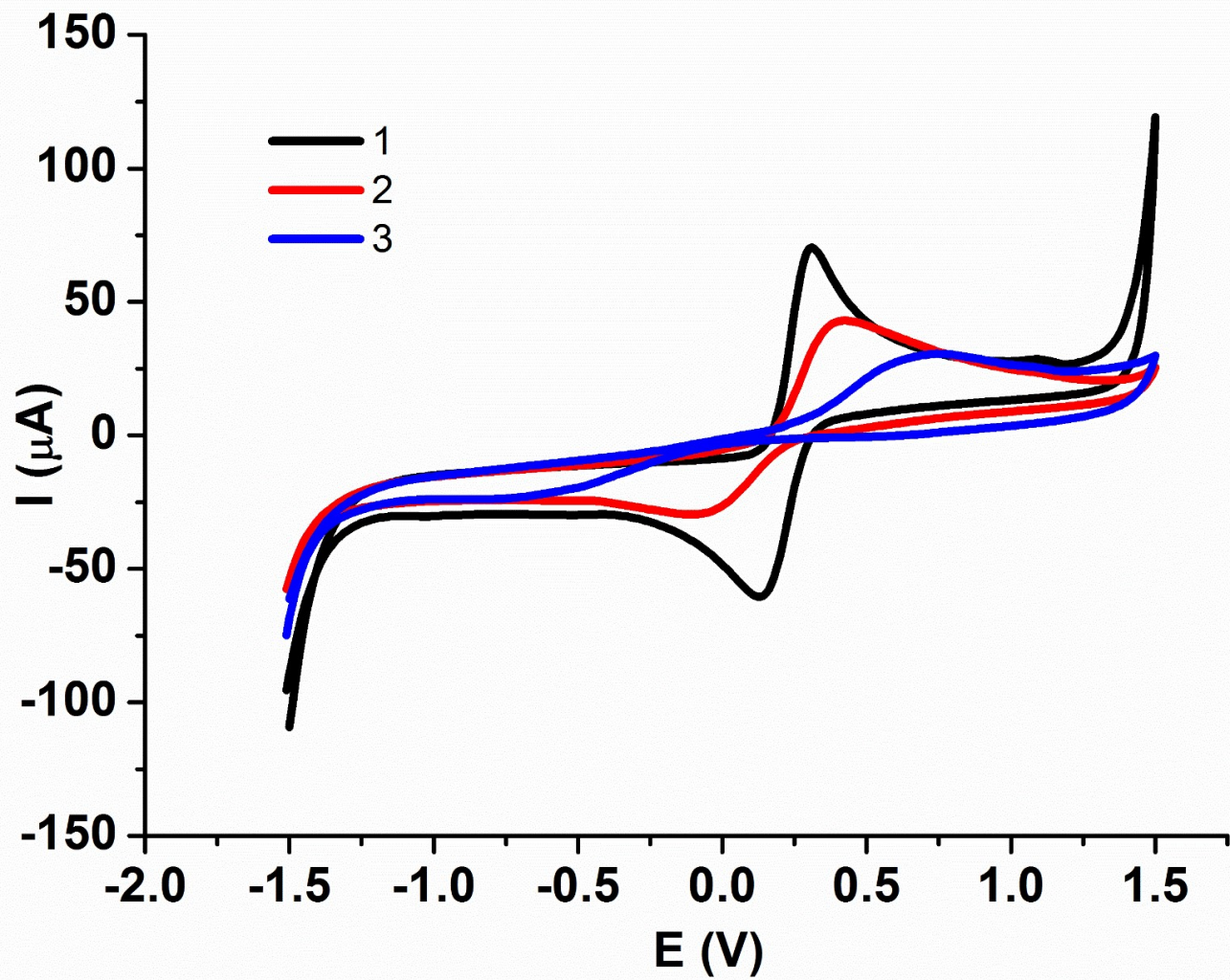


Figure 19. Cyclic voltammograms of 1-3