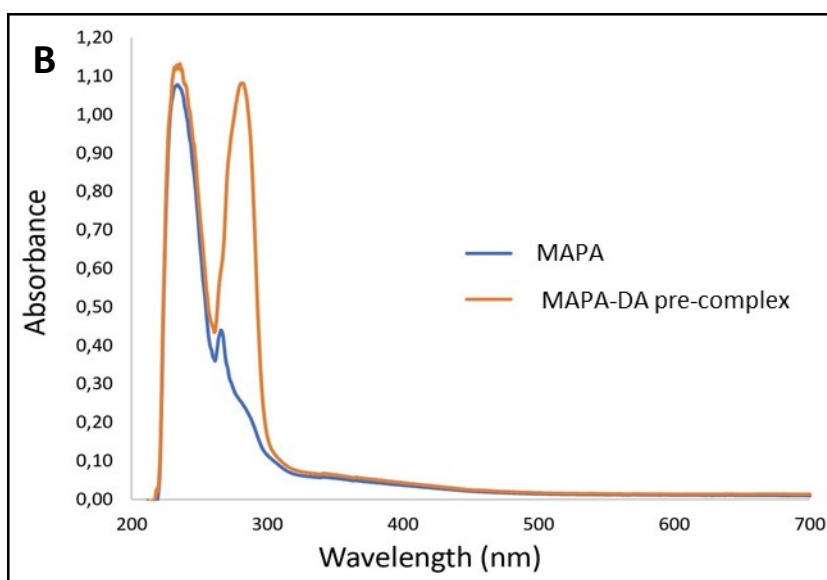
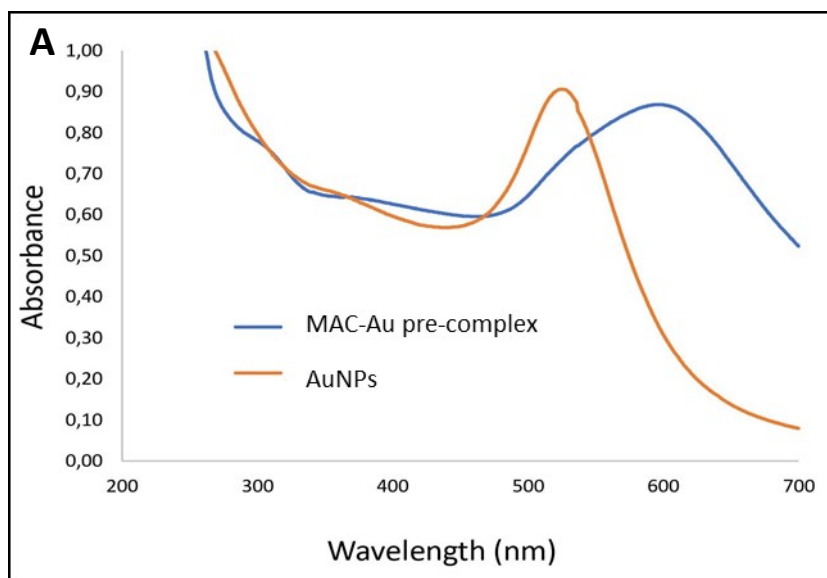
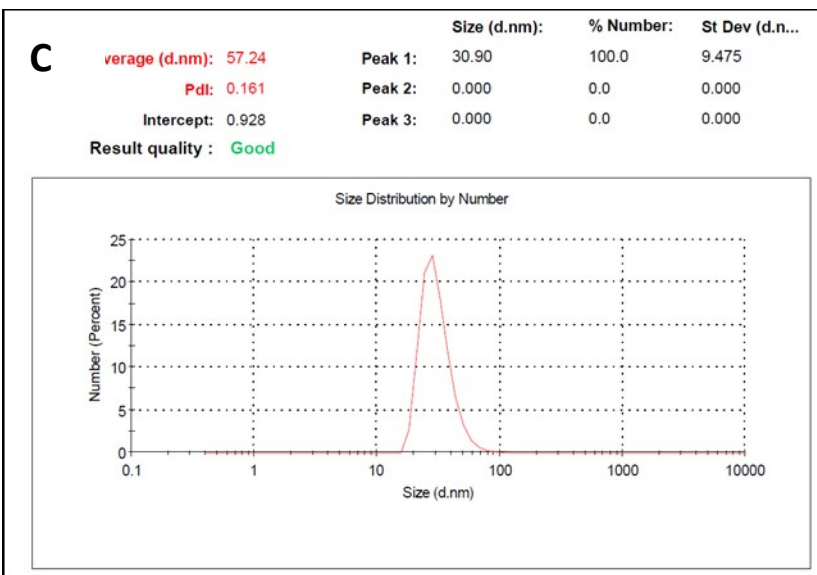
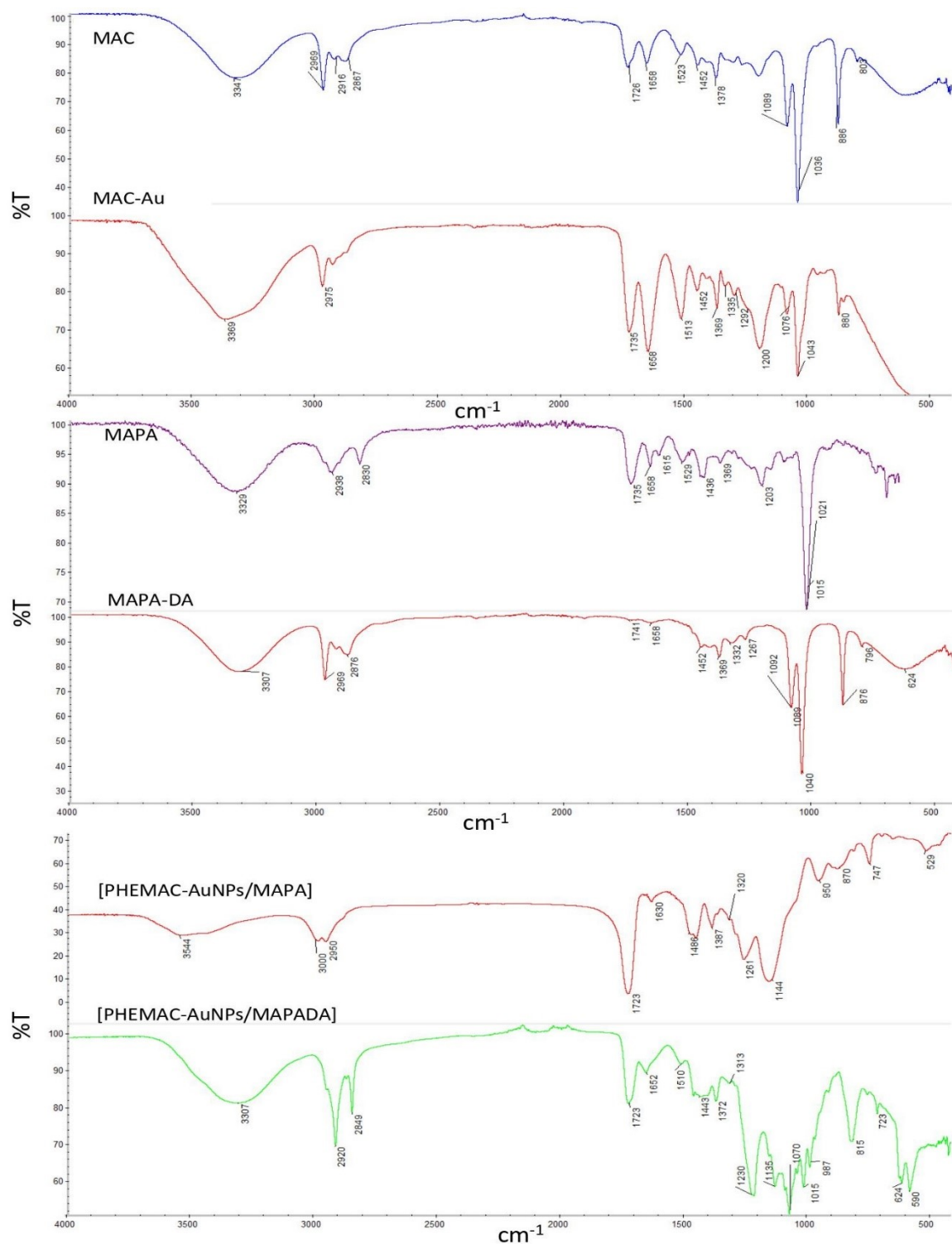


Supplementary Data

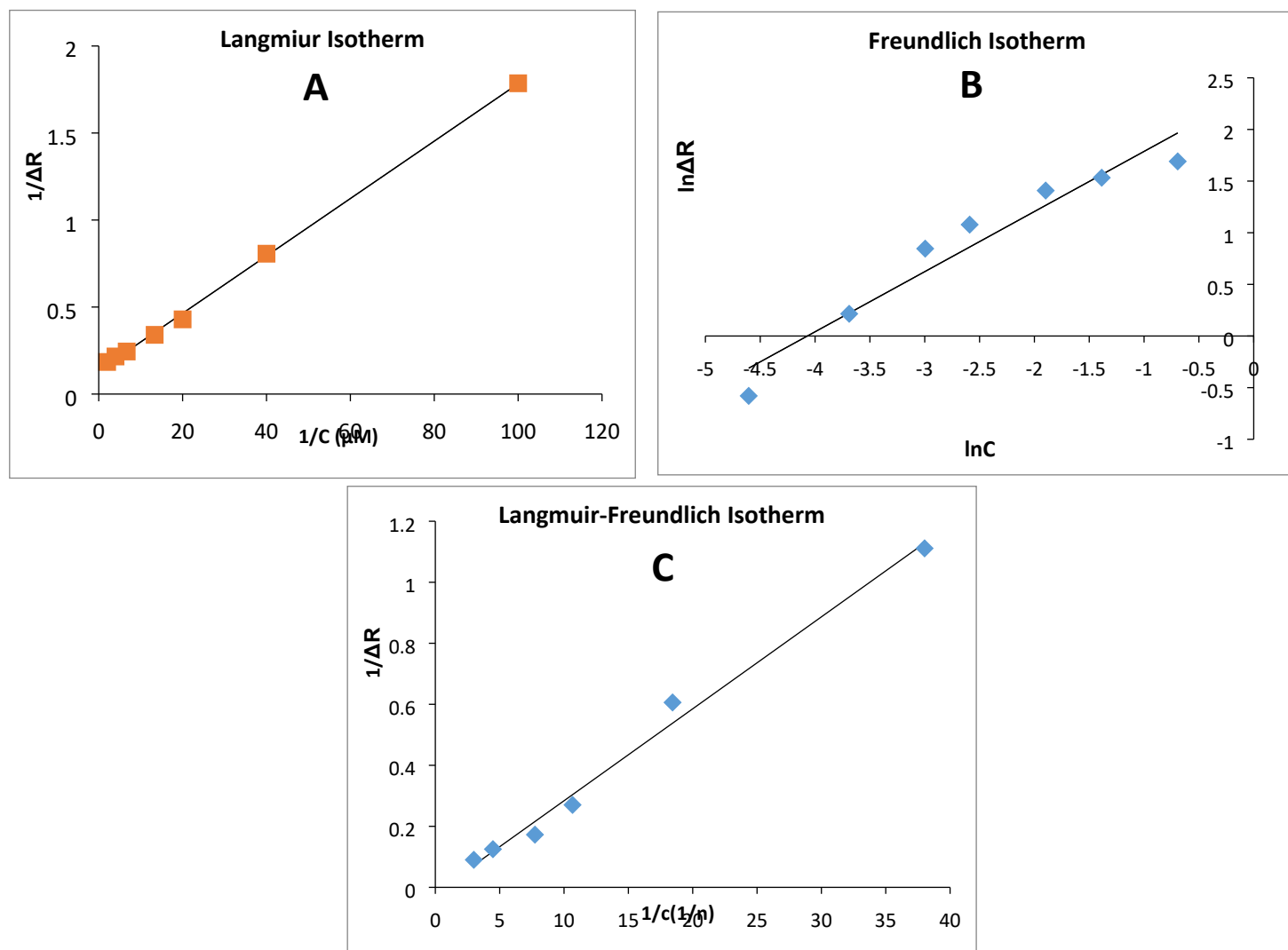




Supp. Figure 1.A. Spectrophotometric measurements of MAC-AuNPs **1.B.** Spectrophotometric measurements of MAPA-DA pre-complex **1.C.** Size measurement of AuNPs by zeta sizer.



Supp. Figure 2. FTIR-ATR spectrum of MAC monomer and MAC-Au complex; FTIR-ATR spectrum of MAPA monomer and MAPADA complex; FTIR-ATR spectrum of the [PHEMAC-AuNPs/MAPA] and [PHEMAC-AuNPs/MAPADA] nanoparticles.



Supp. Figure 3. Adsorption isotherm models **A.** Langmuir isotherm model **B.** Freundlich isotherm model **C.** Langmuir-Freundlich isotherm model.