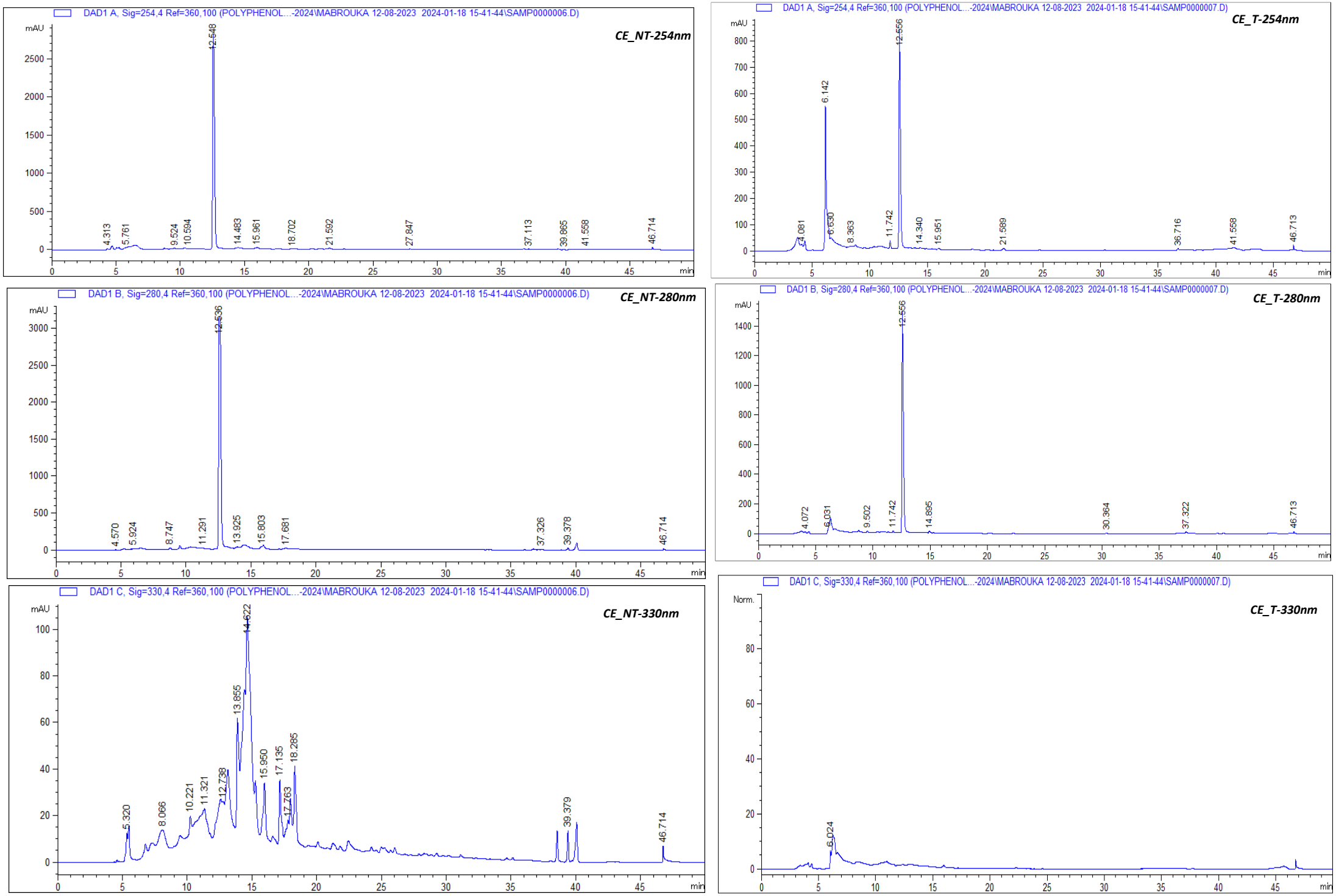

Figure S1. High-performance liquid chromatography (HPLC) chromatograms of phenolic compounds. (not treated [CE_NT] vs. Treated (CE_T]) by co-pellets (S1+BS7) and the various wavelengths used for detection (254 nm, 280 nm, and 330 nm)

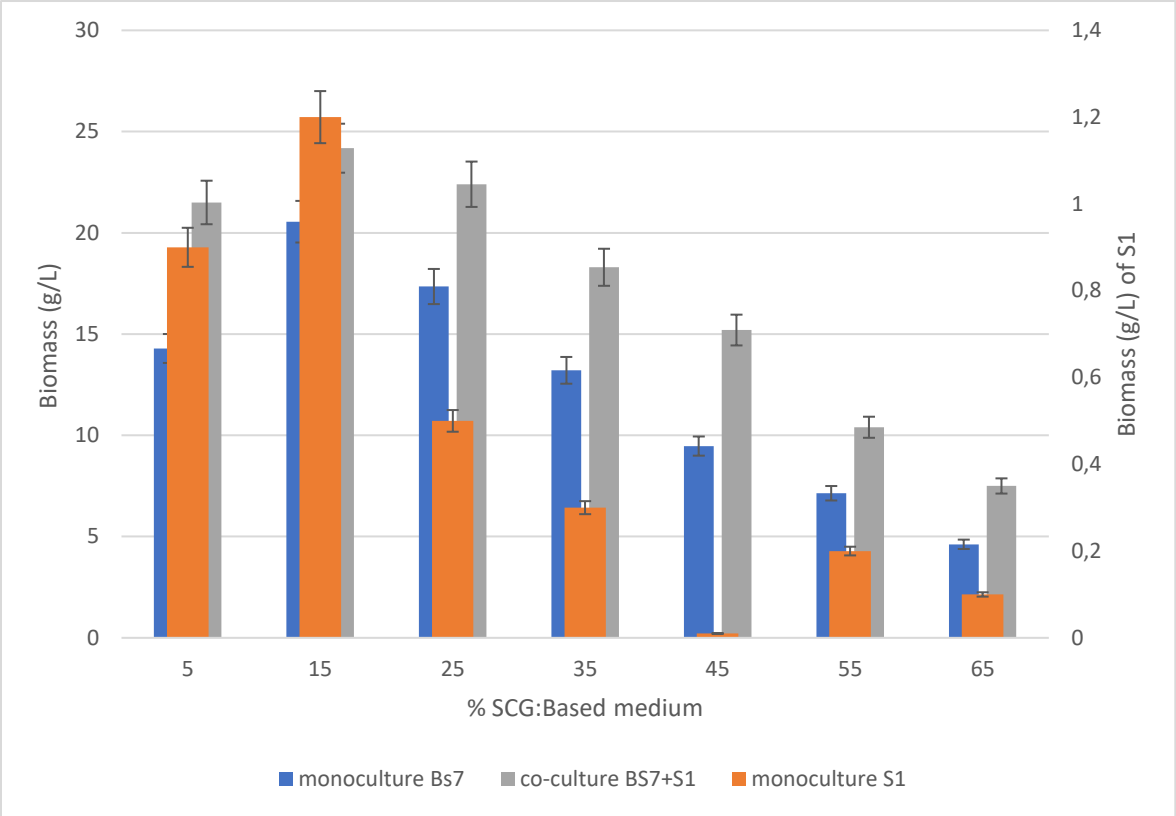

Figure S2 : Dose-Response Screening of Coffee waste Concentration. Comparative final biomass yield (g/L) for monocultures (BS7 and S1) and the fungal-cyanobacterial co-pellet system (BS7+S1) across increasing concentrations of SCG-based medium (5% to 65% w/v). Data presented as mean ±standard deviation.