

Fig. 1: Fourier transform Infra red of a) TNPAP, b) TNOAP and c) TNDDAP.

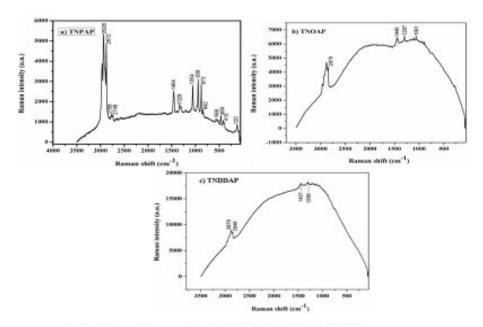


Fig. 2: Dispersive Raman spectra of a) TNPAP, b) TNOAP and c) TNDDAP.