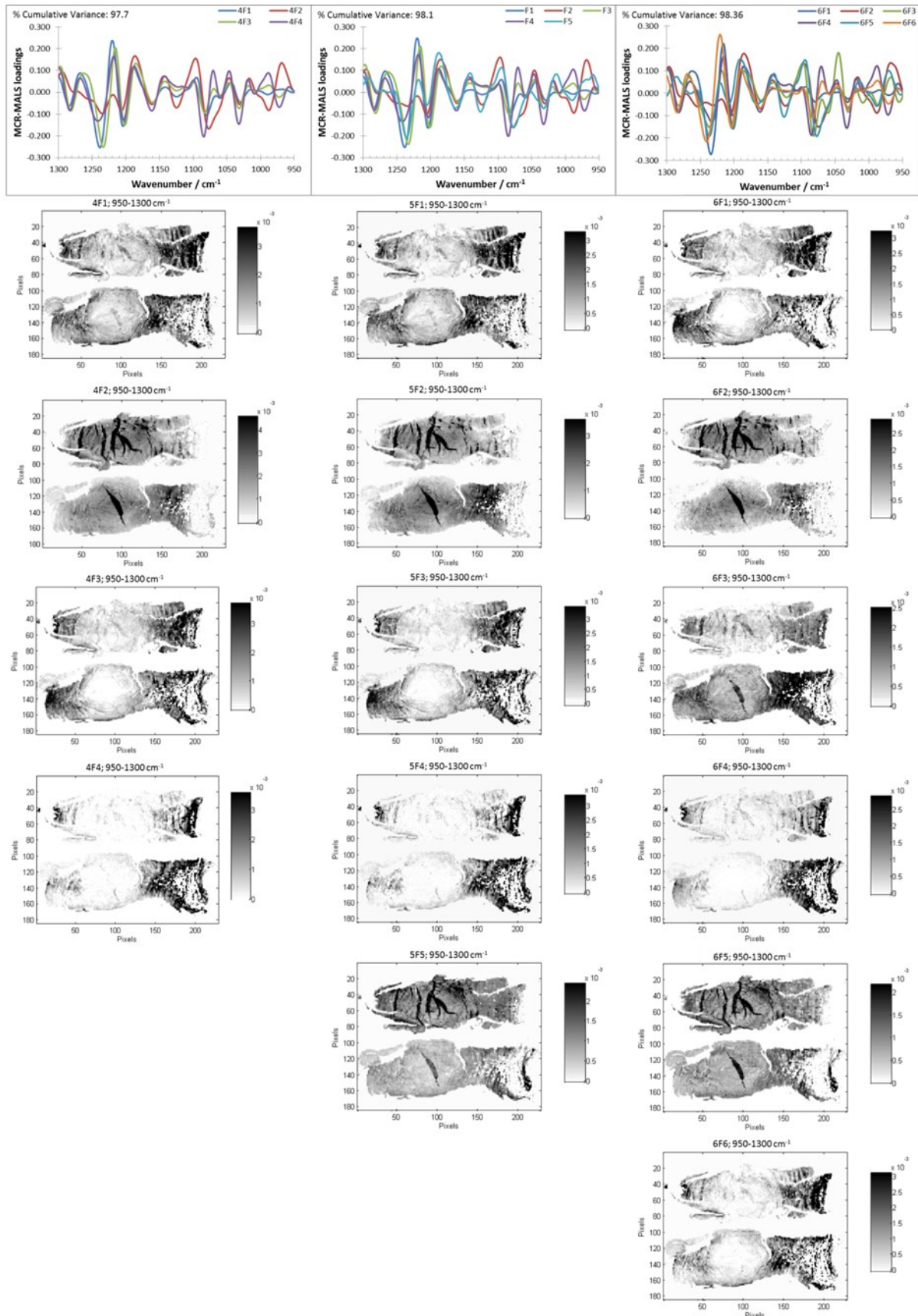S1: Evolution of estimated spectral profiles and distribution maps derived from MCR-ALS analysis of goat IVDs samples in a wavenumber region of 950-1600 cm^{-1} using four to six factors to model the data.
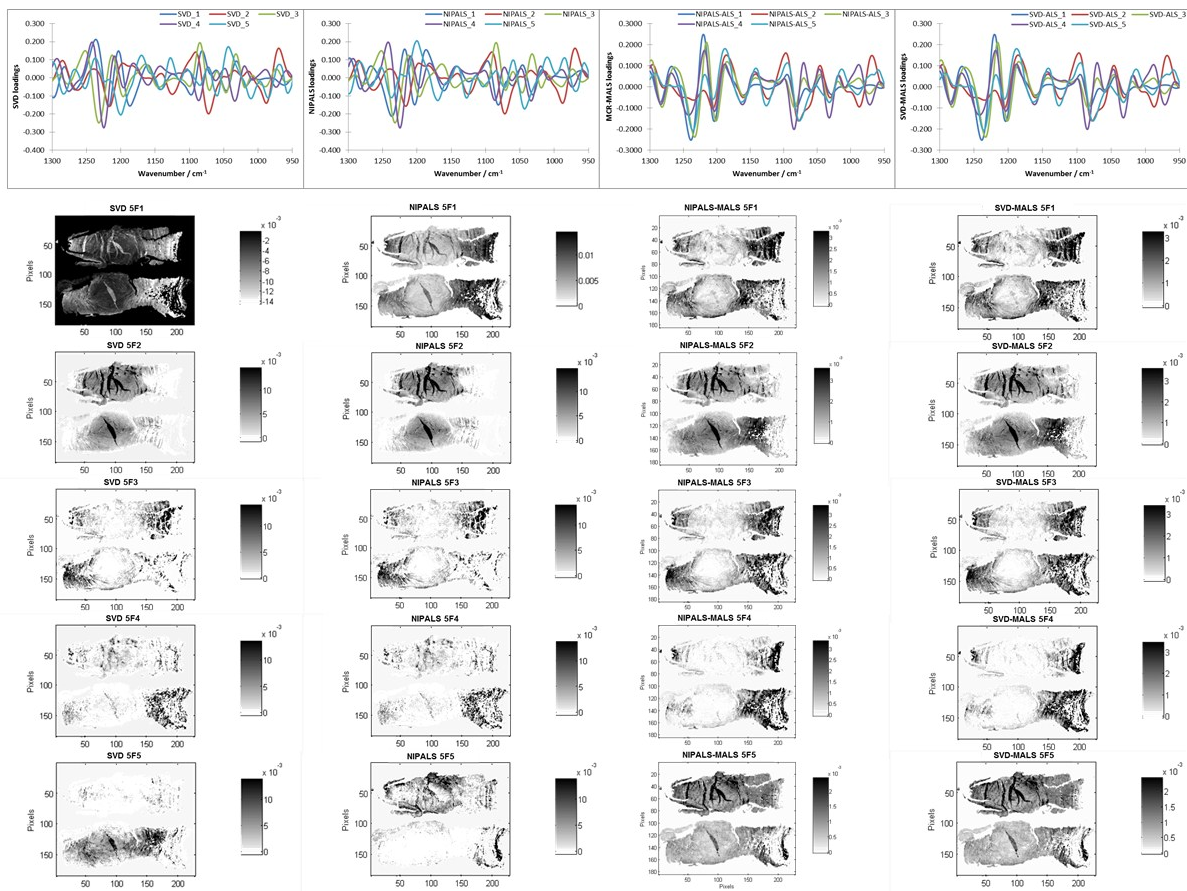
S2: Evolution of estimated spectral profiles and distribution maps derived from MCR-ALS analysis of goat IVDs samples in a wavenumber region of 950-1300 cm⁻¹ using four to six factors to model the data.

S3: Examples of loadings and scores derived from the data matrix of goat IVD samples (set one) in the spectral region of 950-1600 cm^{-1}; calculated using SVD, NIPALS as well as NIPLAS-MALS and SVD-MALS methods. All calculations are based on five components.

S4: Examples of loadings and scores derived from the data matrix of goat IVD samples (set one) in the spectral region of 950-1300 cm^{-1}; calculated using SVD, NIPALS as well as NIPLAS-MALS and SVD-MALS methods. All calculations are based on five components.