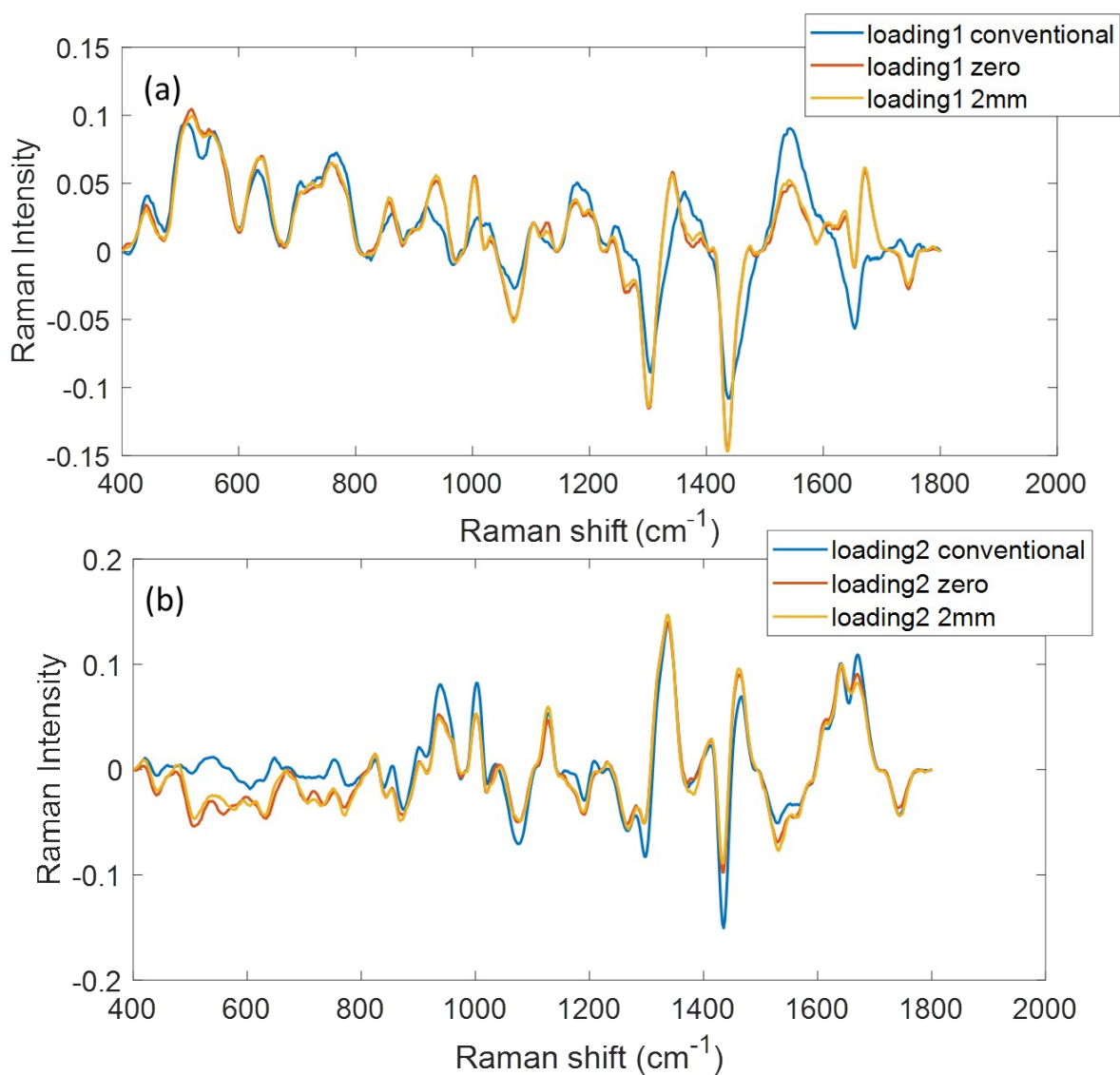
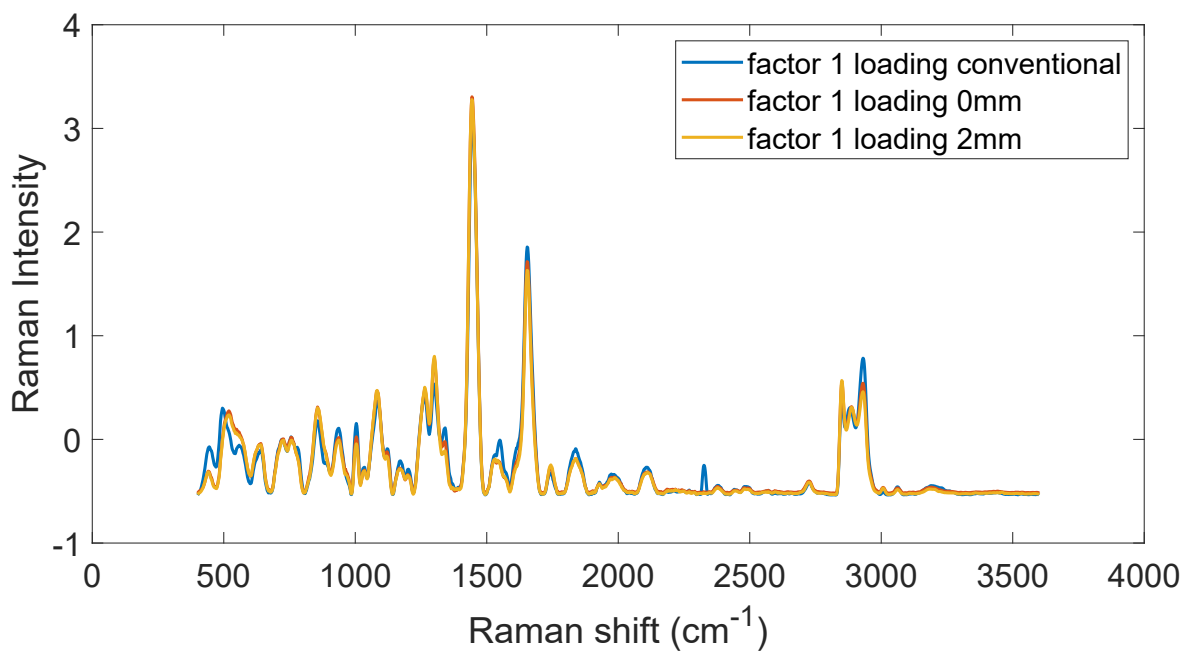


**Supplementary Material:**



**Figure S1:** PC 1 (a) and 2 (b) loadings for all employed modalities (conventional, zero and 2 mm offset).



**Figure S2:** Factor score 1 spectra obtained from MFA plotted against wavenumber for all employed modalities (conventional, zero and 2 mm offset).

Modality	Patients		Samples		Measurements	
	BCC	SCC	BCC	SCC	BCC	SCC
Conventional back-scattering	13	8	14	8	40	23
0 mm offset	13	8	14	8	43	23
2 mm offset	13	8	14	8	43	23

**Table S1:** Summary of patients, samples and measurements involved in different modalities of the study.