



**SUPPLEMENTARY FIG. S3.** Normalized counts of Raman signals after normalization at specific peaks, which show statistically significant alterations ( $p < 0.05$  at all the peaks shown) when comparing treatment of miR-29B with miR-239B (control) in the center of the infarct and border zone of the infarct. The biochemical fingerprints assigned to the significantly altered Raman shifts are listed in Table 2.