Figure 4: Typical changes in Raman spectroscopic parameters with temperature and strain, represented schematically. Exact temperature, strain, or parameter values are not stipulated, since these will vary depending on starting material. Where data from this study matches the trend, the applicable zone is marked with a black box; where it differs from the usual trend, data from this study is marked with a black line representing the observed trend. Where there are two trend lines in part b(i), this indicates the study of different carbon starting types. (a) Parametric changes with temperature: (i) Intensity ratio (I[d]/I[g]); (ii) Raman Band Separation (RBS); (iii) area ratio (R2); (iv) D-peak width (FWHM-d). (b) Direction of parametric shifts with the application of strain: (i) intensity ratio; (ii) Raman Band Separation; (iii) area ratio; (iv) D-peak width.