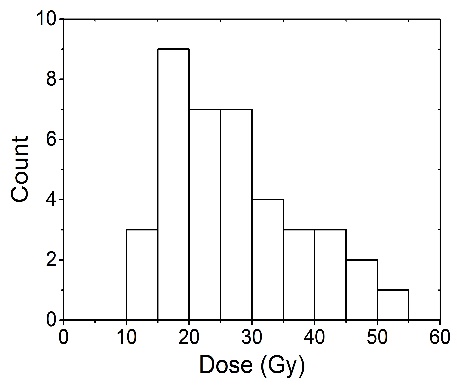
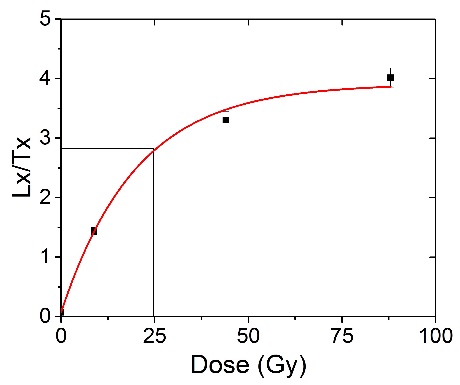
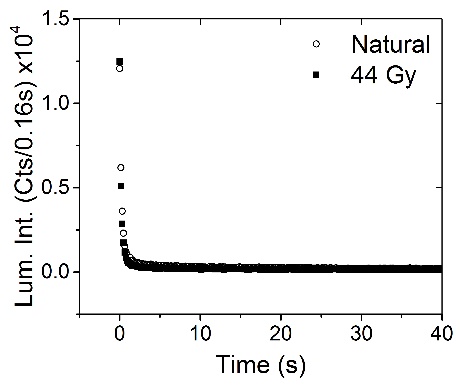
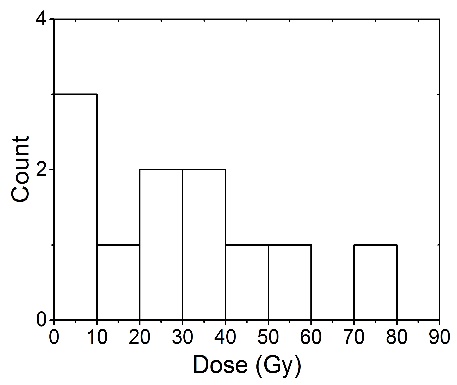
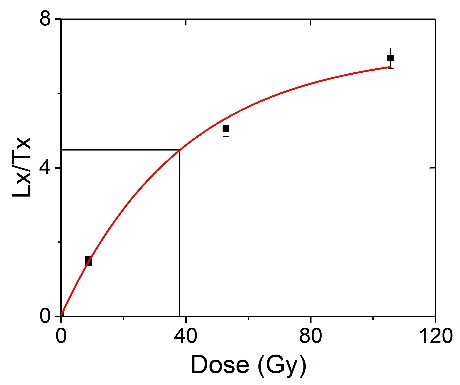
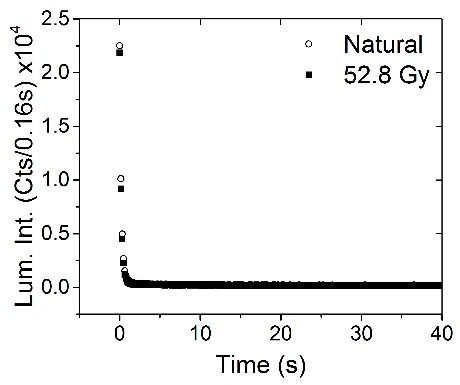


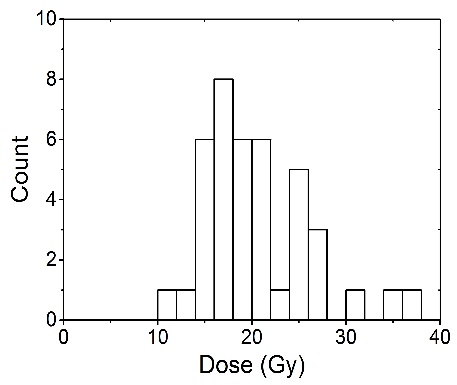
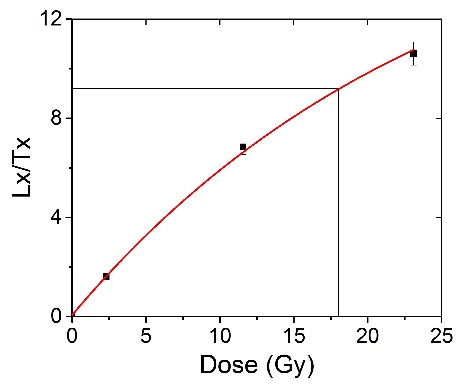
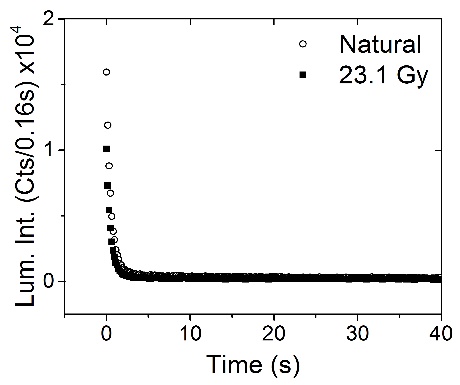
**A1**



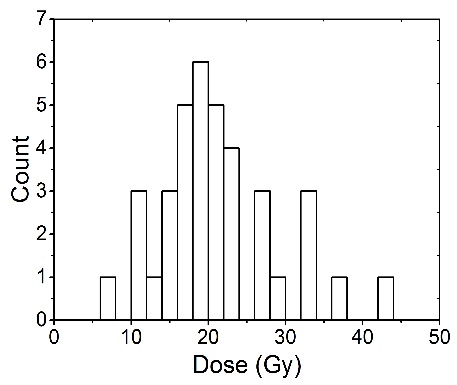
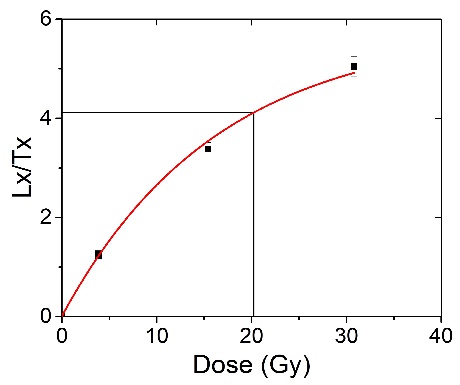
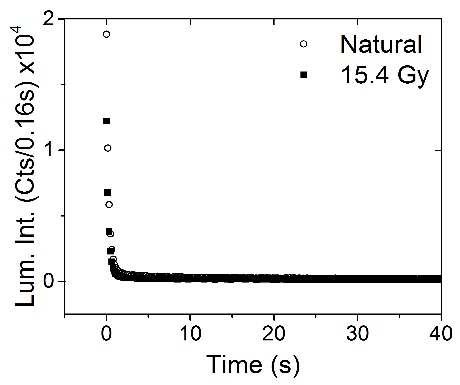
**A2**



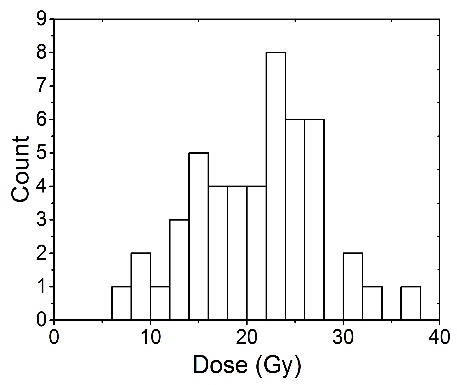
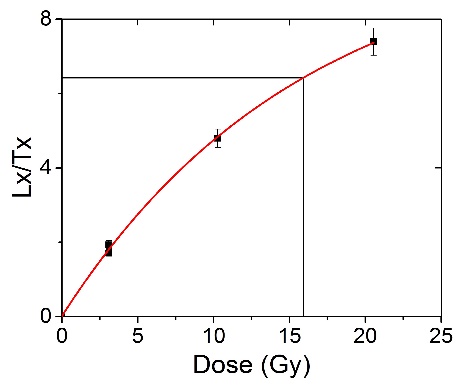
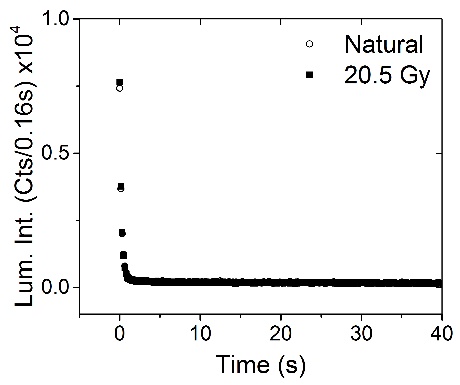
**B**



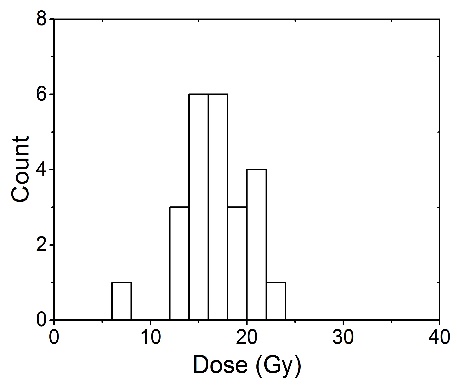
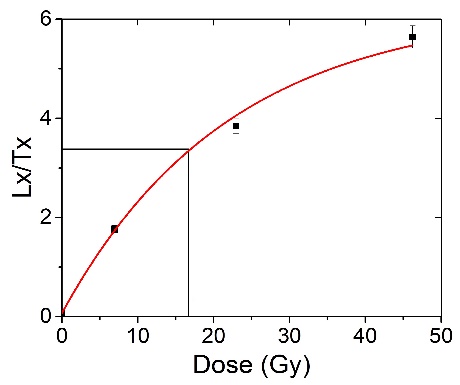
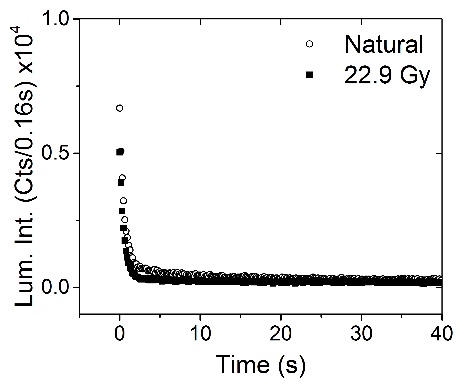
**C1**



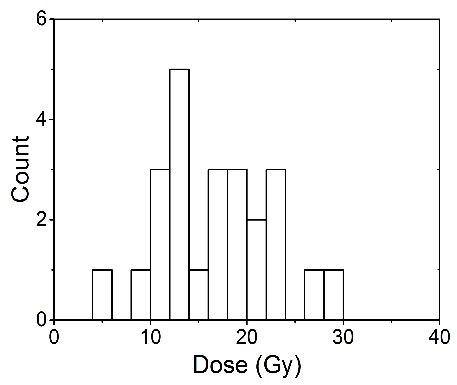
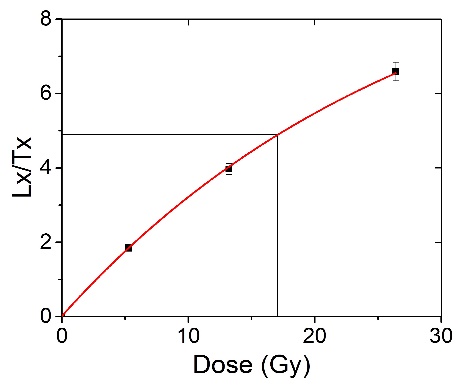
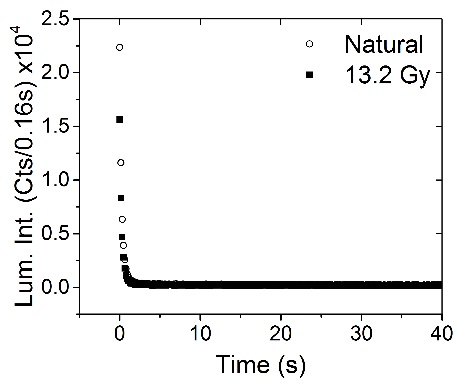
**C2**



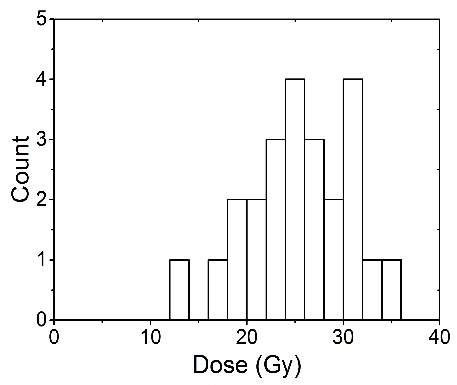
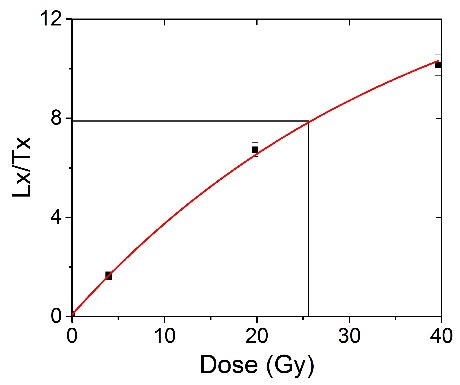
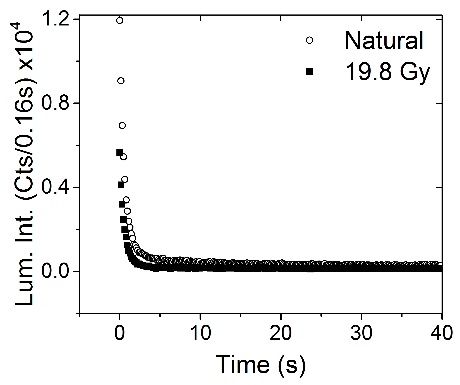
**D**



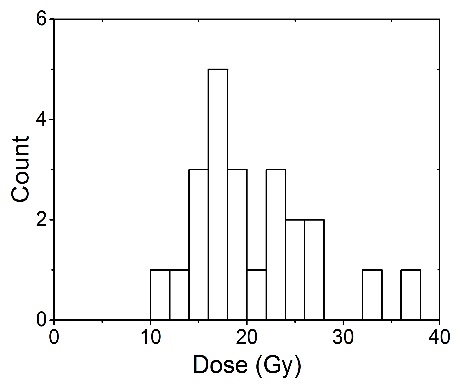
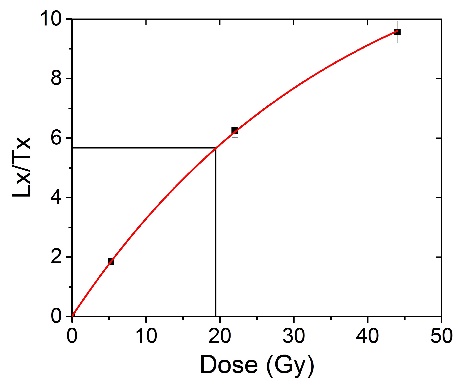
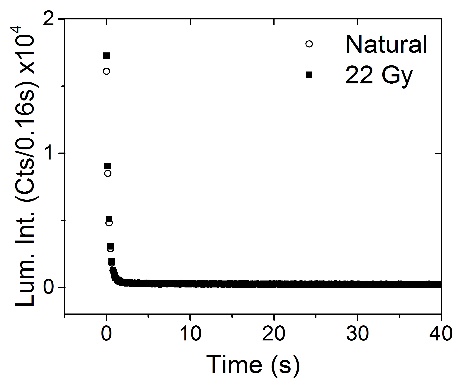
**E1**



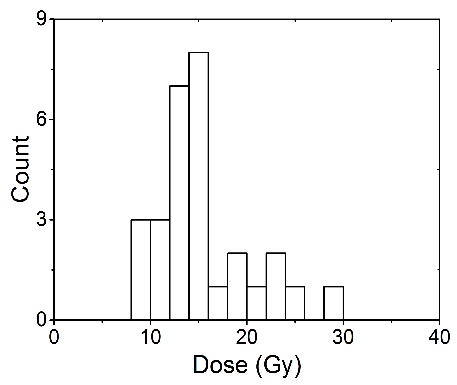
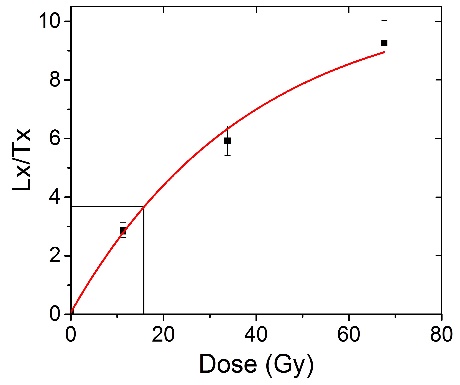
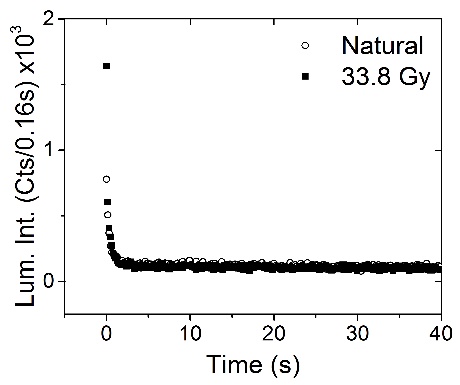
**E2**



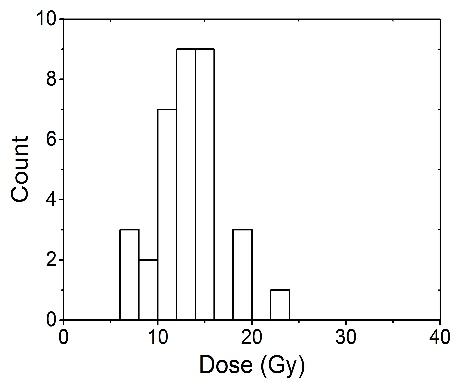
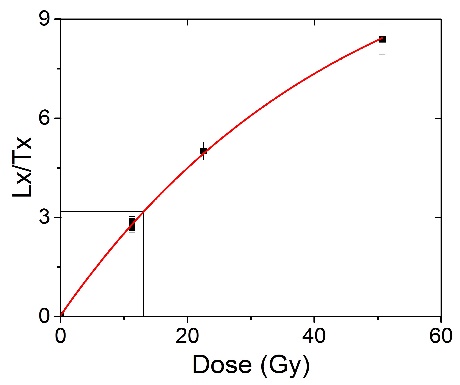
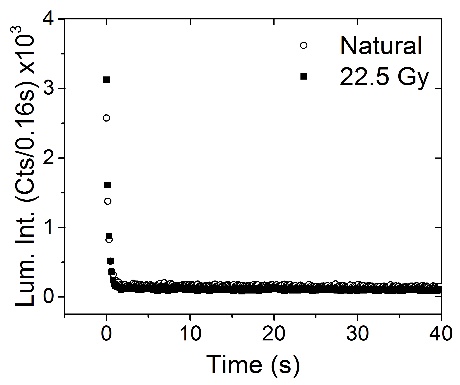
**F**



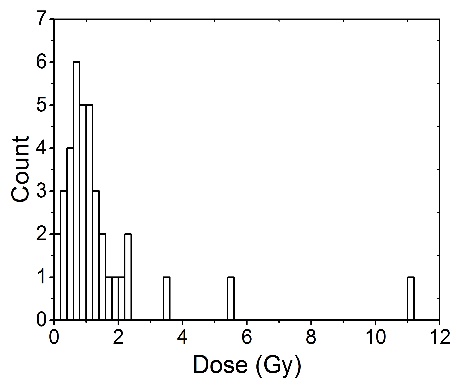
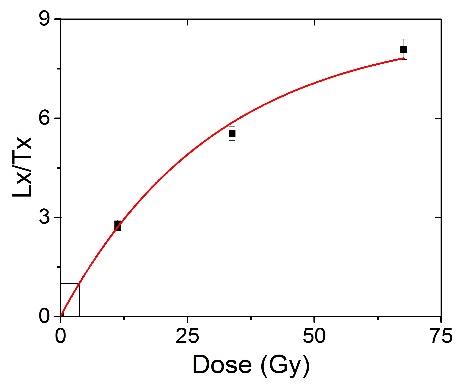
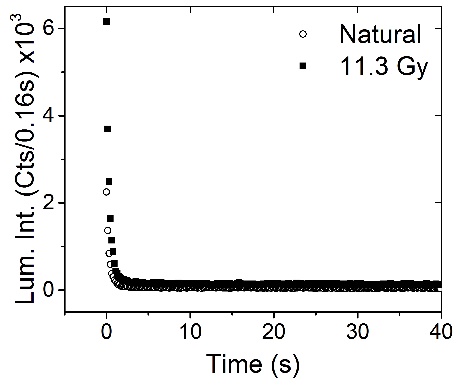
**G**



**GB-A**



**GB-B**



**MOD-LK-WPG**

Figure S1: Analytical details for each sample: (1) Typical shinedown curve of quartz, (2) Growth curve fitting single exponential, and (3) Dose distribution.