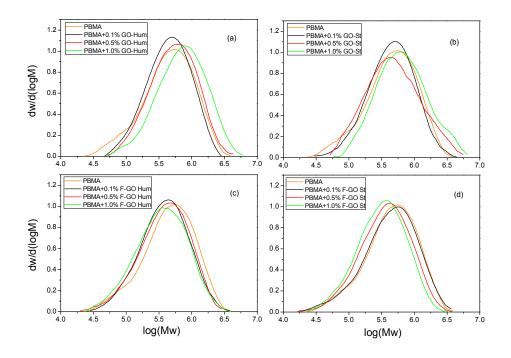
## **Supplementary Information**

Polymerization kinetics of n-butyl methacrylate in the presence of

graphene oxide prepared by two different oxidation methods with or

without functionalization

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**Figure S1.** Full Molecular Weight Distribution of neat PBMA and its nanocomposites with 0.1, 0.5 and 1.0 wt% GO prepared by the method of Hummer's (a), GO prepared by the method of Staudenmaier (b), F-GO prepared by the method of Hummer's (c) and F-GO prepared by the method of Staudenmaier (d).