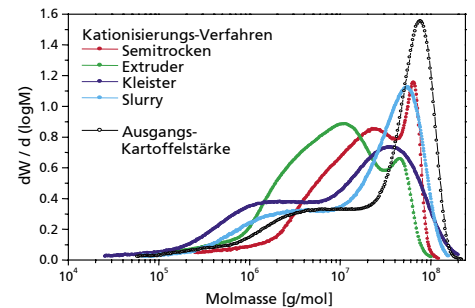


## Derivatization of starch

Chemical derivatization of starch and cellulose owing to the process often entails a molecular degradation. The relevant properties of derivatives for the application are, on the one hand, determined by the form of substitution, and on the other hand, by the molecular composition of the derivatives. The determination of molar weight distribution is thus an important method for determining the properties of polysaccharide derivatives for certain application purposes. In figure 1 the molar weight distribution of cationic potato starch derivatives with comparable substitution degrees from different manufacturing processes are presented.



**Figure 1**  
Molar weight distributions of cationic potato starch derivatives.