

Figure S1. ¹H NMR spectrum of benzoxazine based on 4,4'-diaminodiphenylmethane in toluene/isopropanol 2:1.

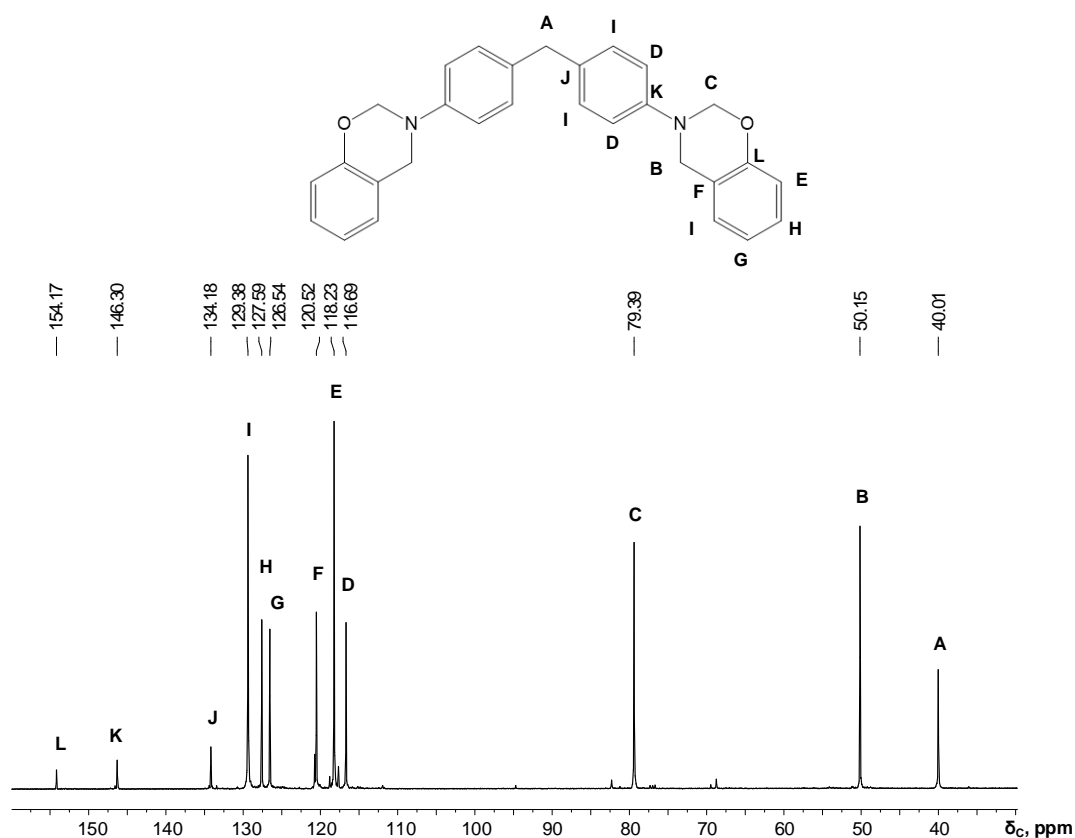


Figure S2. ¹³C NMR spectrum of benzoxazine based on 4,4'-diaminodiphenylmethane in toluene/isopropanol 2:1.

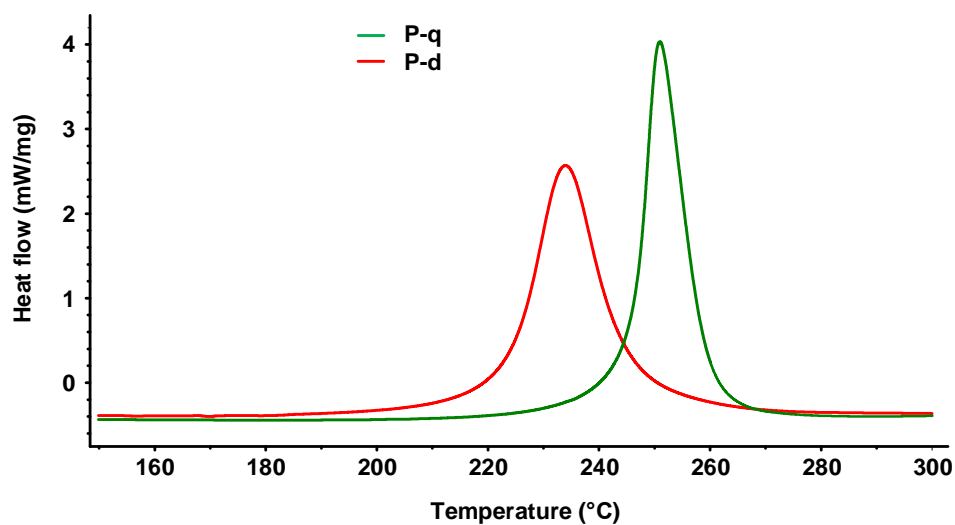


Figure S3. The DSC curves describing the curing process of diamines-based benzoxazines (heating rate 10 deg / min).

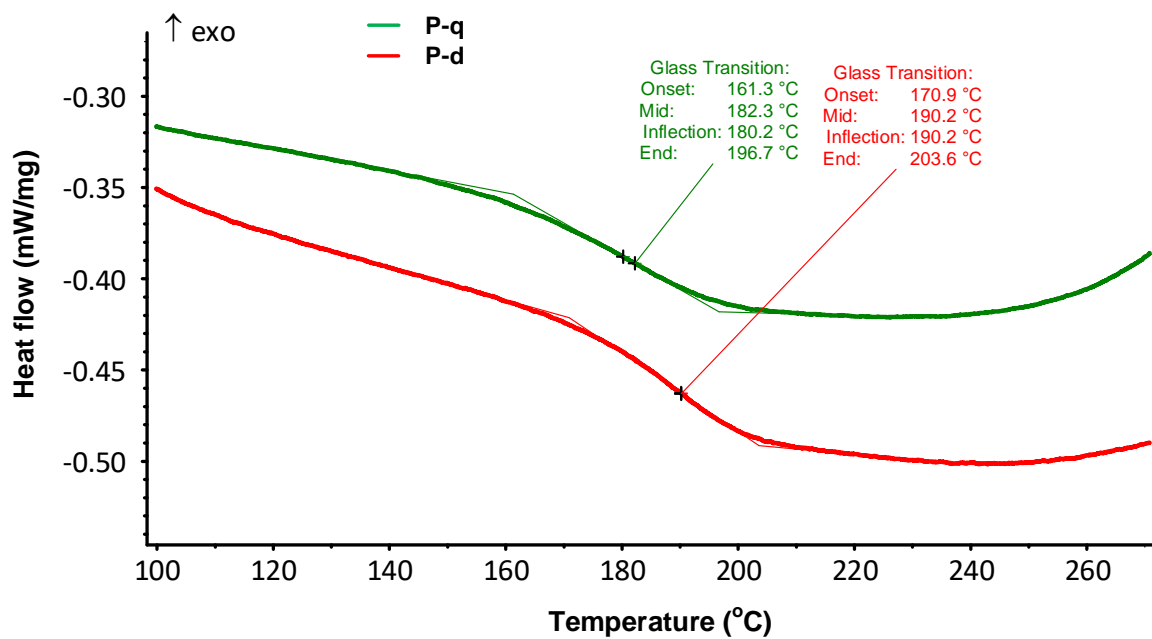


Figure S4. DSC curves of polybenzoxazines based on diamines (heating rate 10 deg / min).

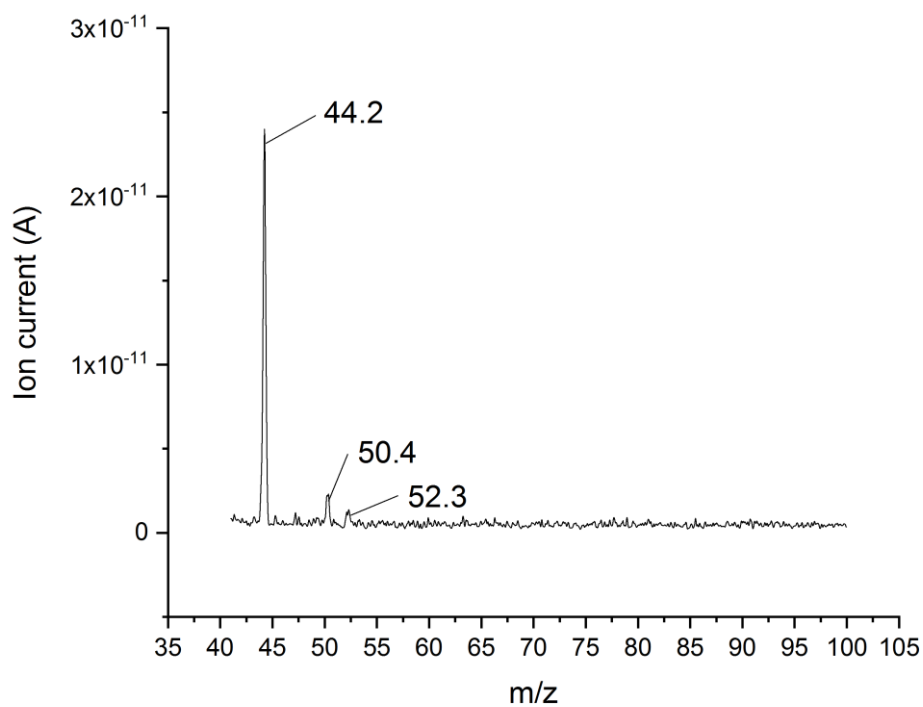


Figure S5. Mass spectrum of degradation of polybenzoxazine P-q in air at 343 °C.

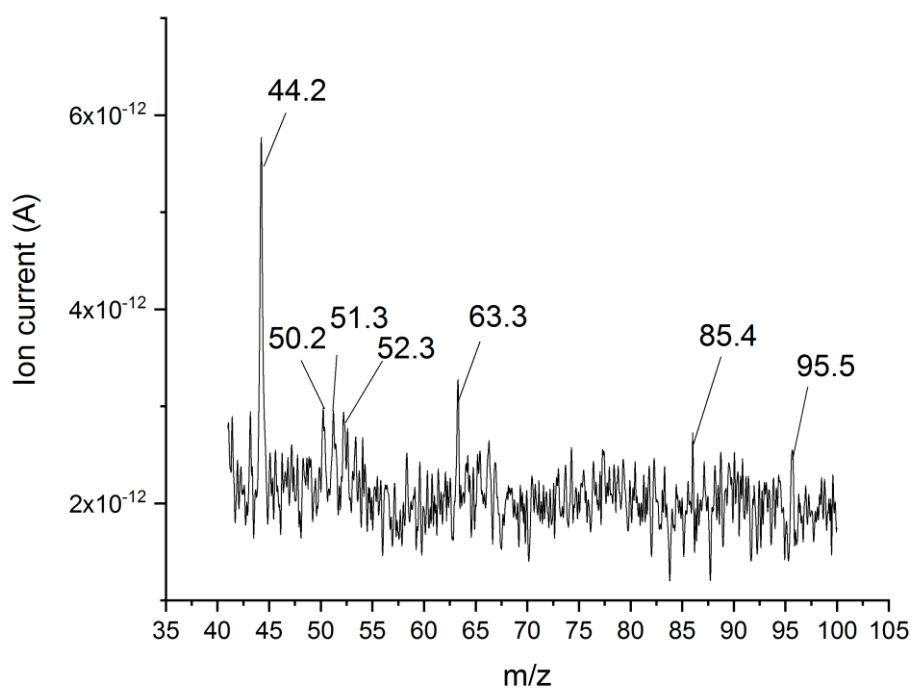


Figure S6. Mass spectrum of degradation of polybenzoxazine P-q in argon at 373 °C.

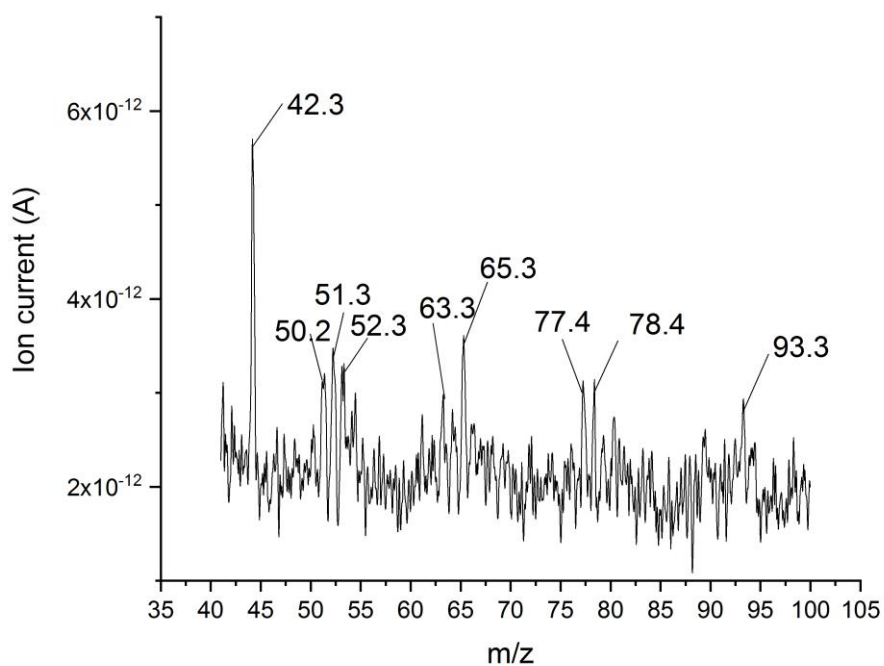


Figure S7. Mass spectrum of degradation of polybenzoxazine P-q in argon at 438 °C.

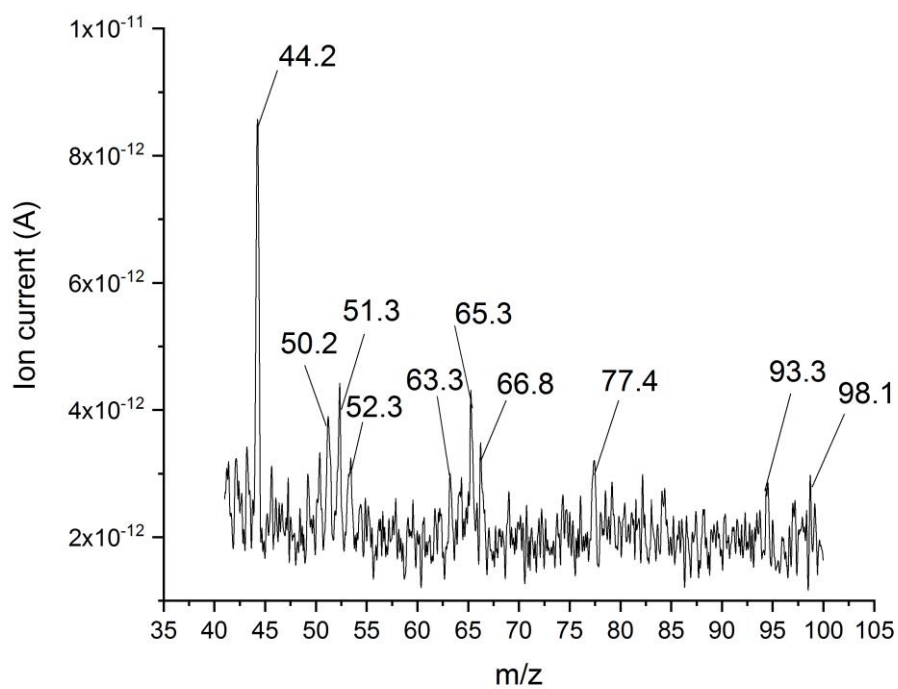


Figure S8. Mass spectrum of degradation of polybenzoxazine P-q in argon at 445 °C.