CHAPTER V
CONCLUSIONS

Benzoxazine monomers exhibited the ion interaction properties controlled by concentration and structure of benzoxazine monomer. The high concentration, the bulky substituent group at ortho and para position in benzene ring of benzoxazine, and the less bulky aza group, were the factors to enhance ion interaction ability. Benzoxazine dimers interacted with transition metal ions and gave the peaks shifting in FTIR spectrum. XRD patterns changed drastically after dimers entrapped metal guest. ESIMS clarified the presence of assembly, especially some major peaks which can even suggest the host guest ratio between dimers and metal ion.