Scheme 1. Protolytic Generation of Metallocenium Ion involving Ammonium Salts of Tris(pentafluorophenyl)amine.

 $Cp_2ZrMe_2 + [HN(C_6F_5)_3]^+A^- \longrightarrow [Cp_2ZrMe]^+A^- + N(C_6F_5)_3 + MeH$ Scheme 1

Cp = Cyclopentadienyl

A⁻ = Anion (see Chart 1 for examples)