

FIG. 1

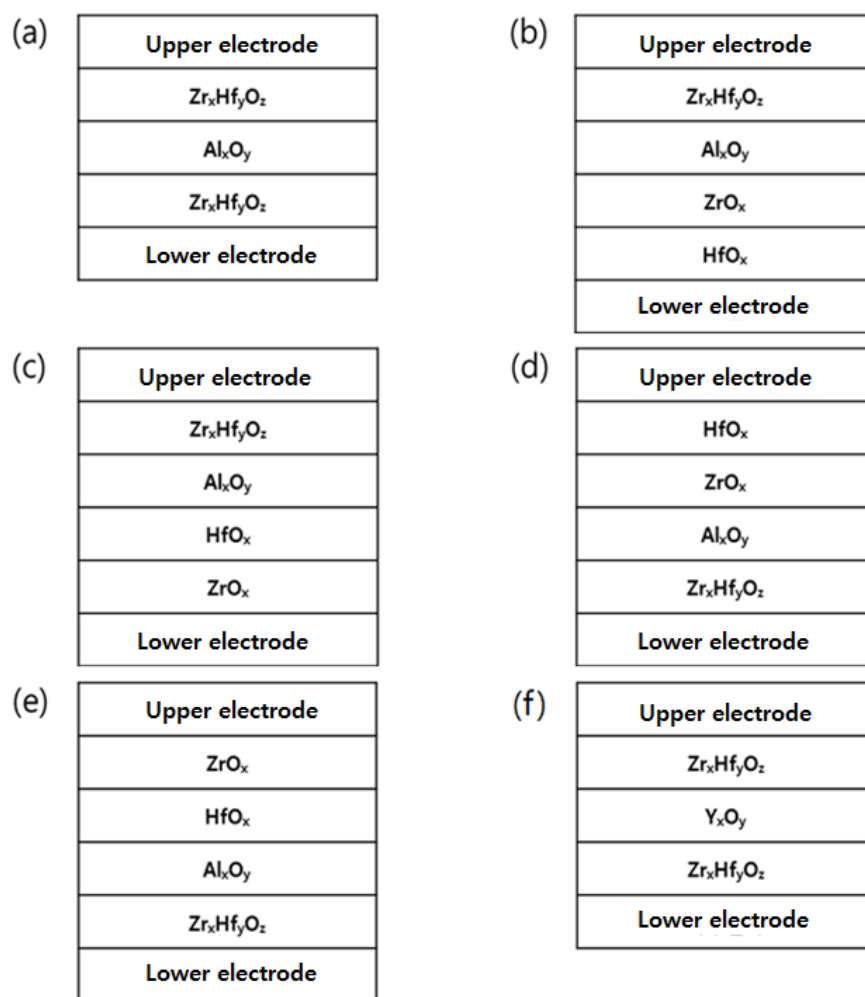


FIG. 2

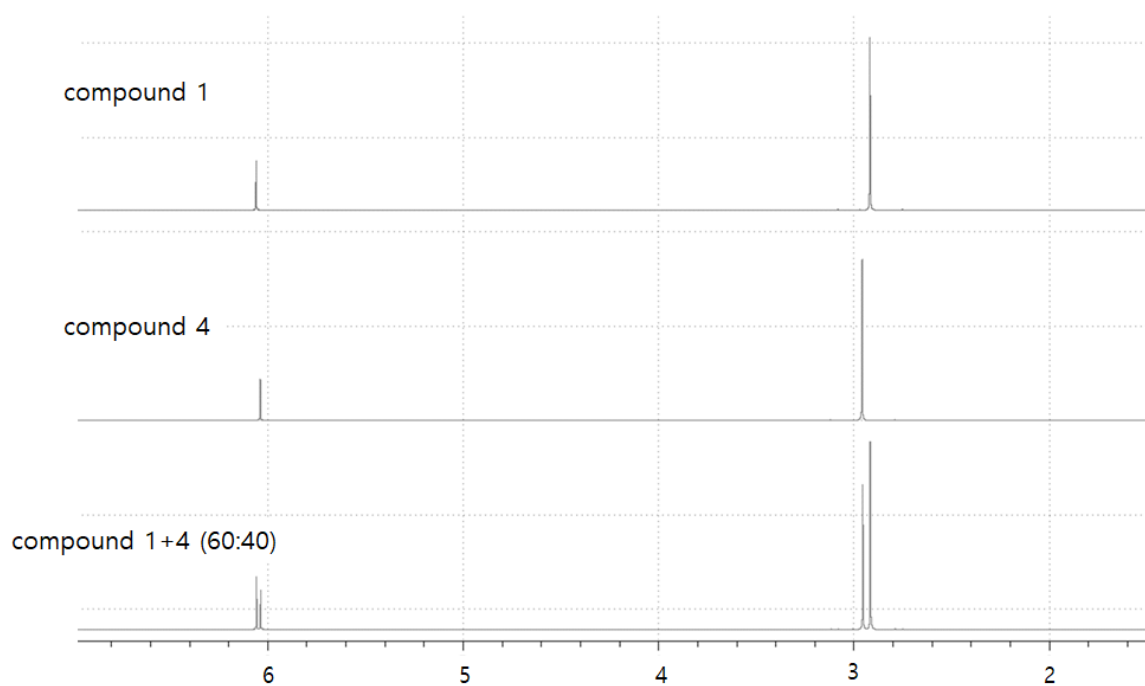


FIG. 3

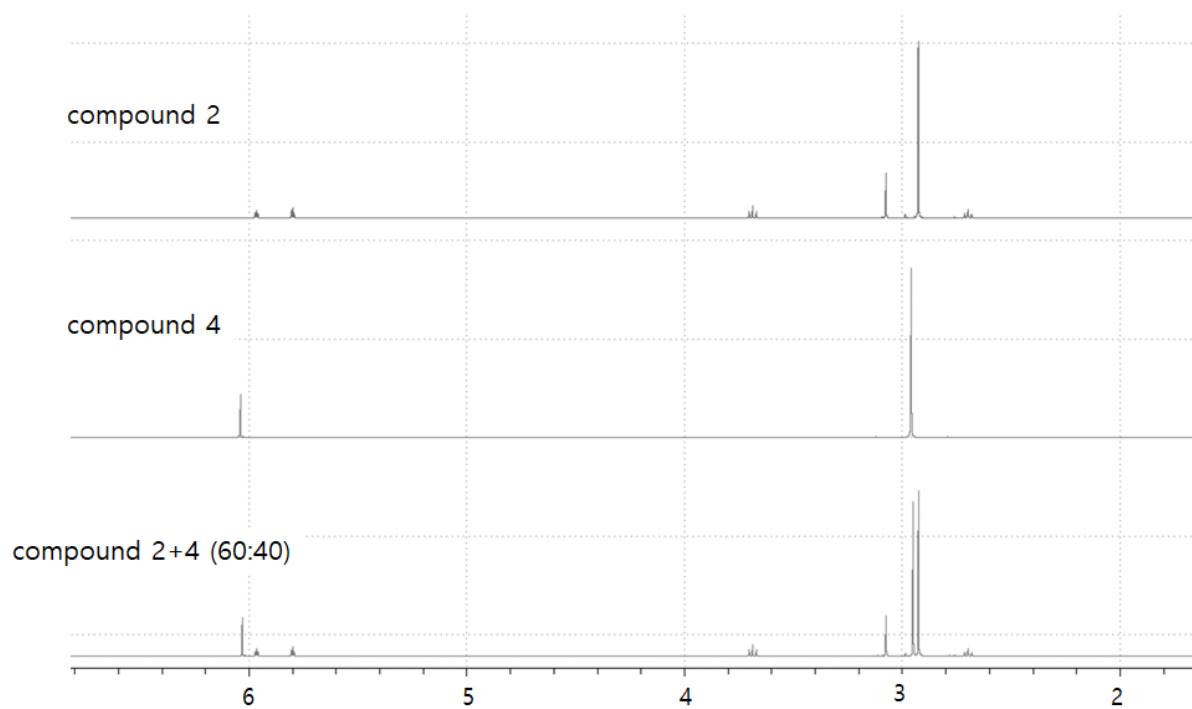


FIG. 4

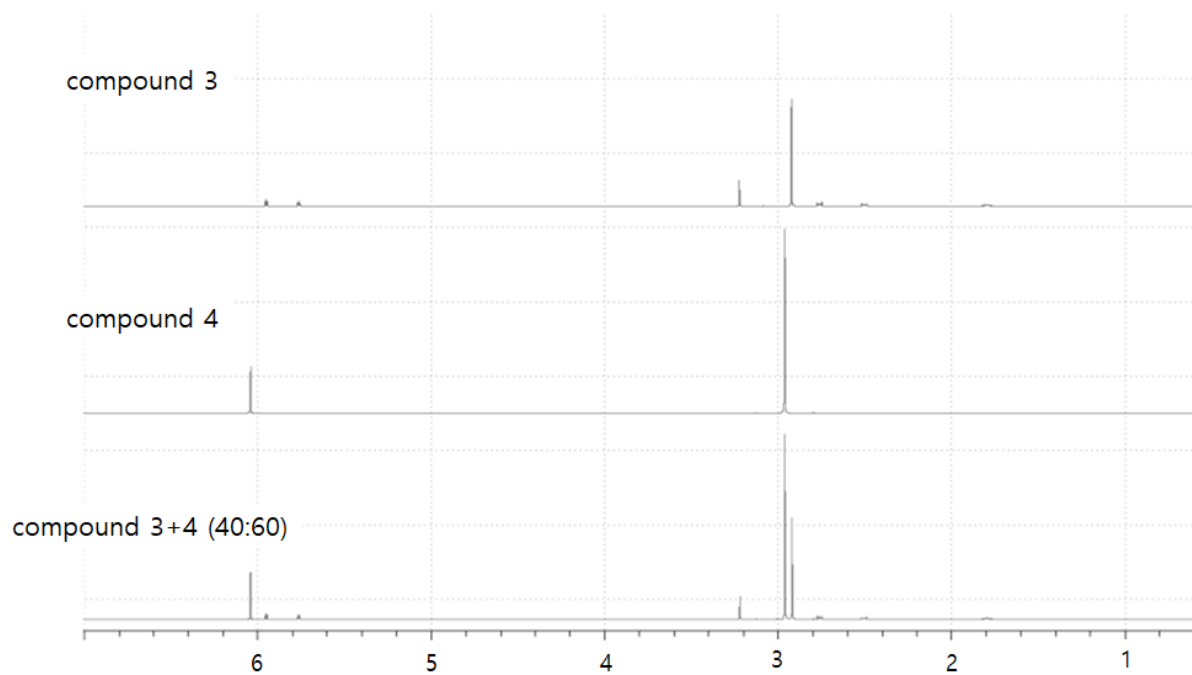


FIG. 5

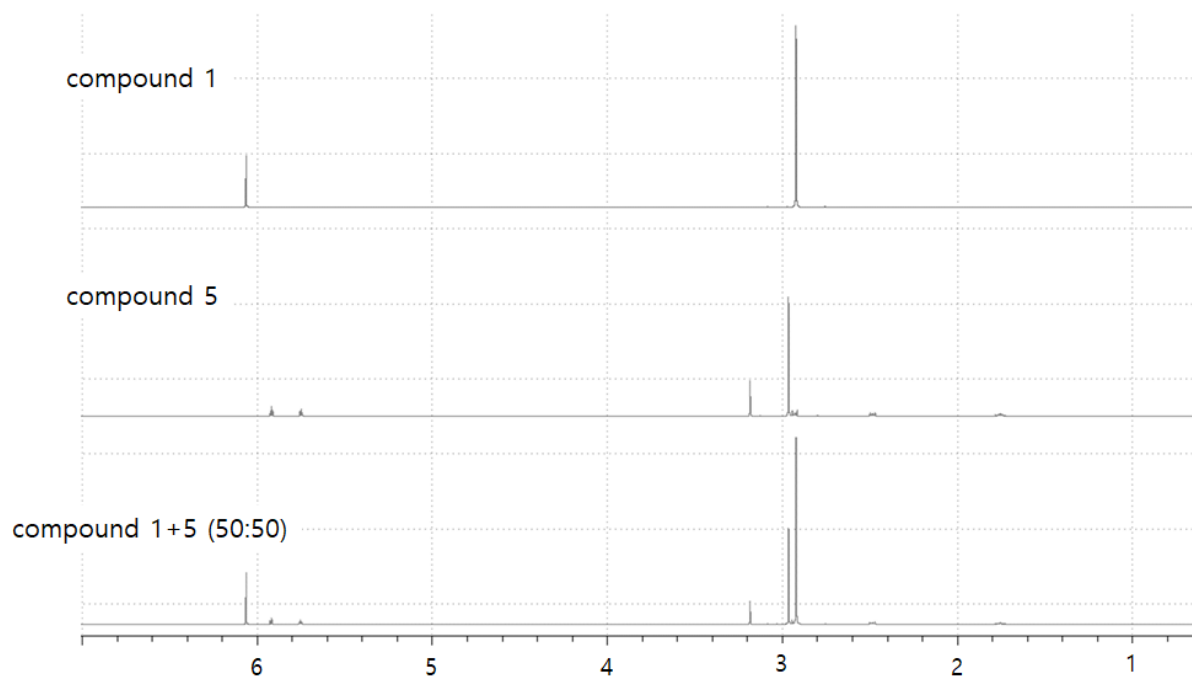


FIG. 6

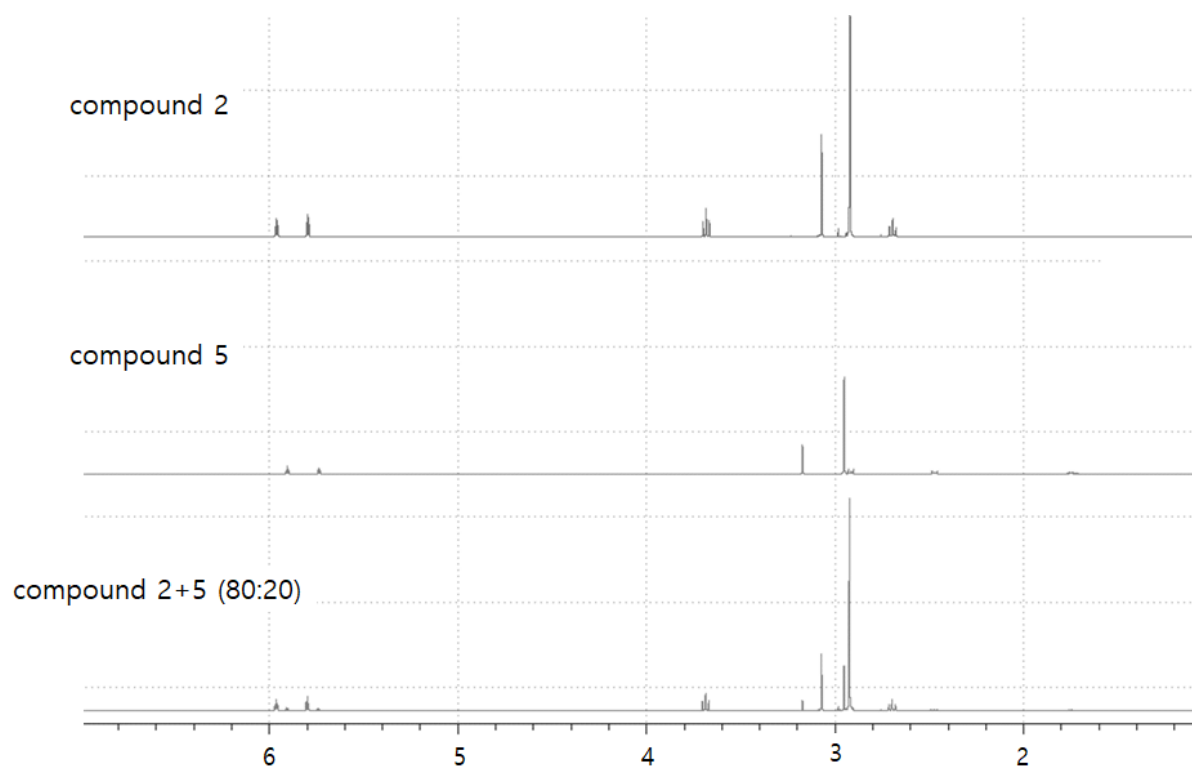


FIG. 7

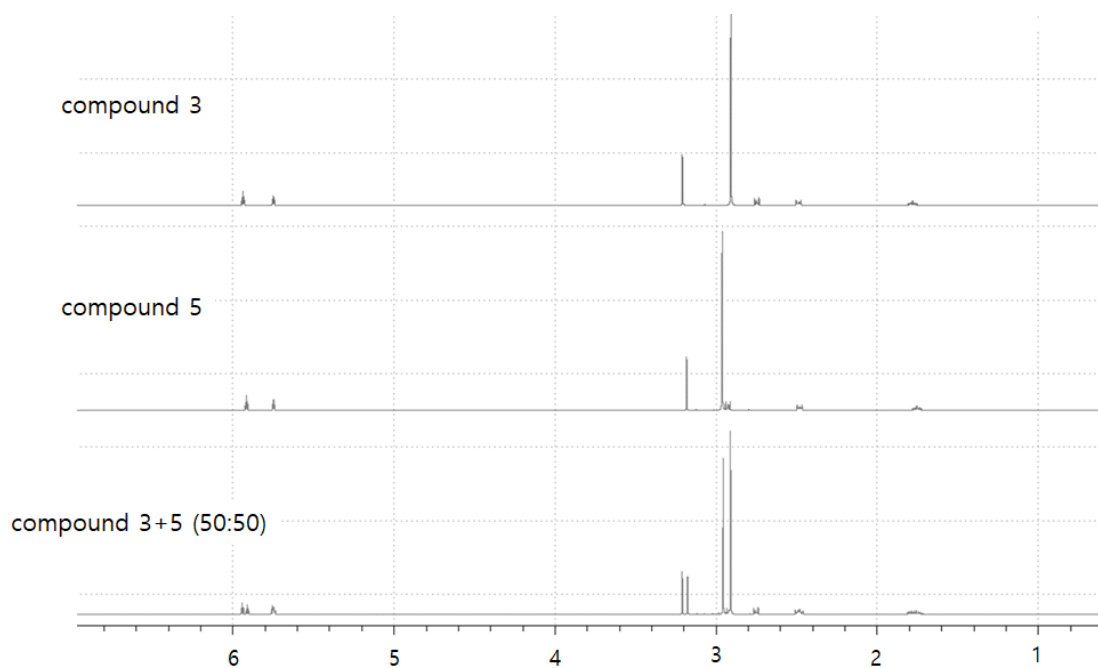


FIG. 8

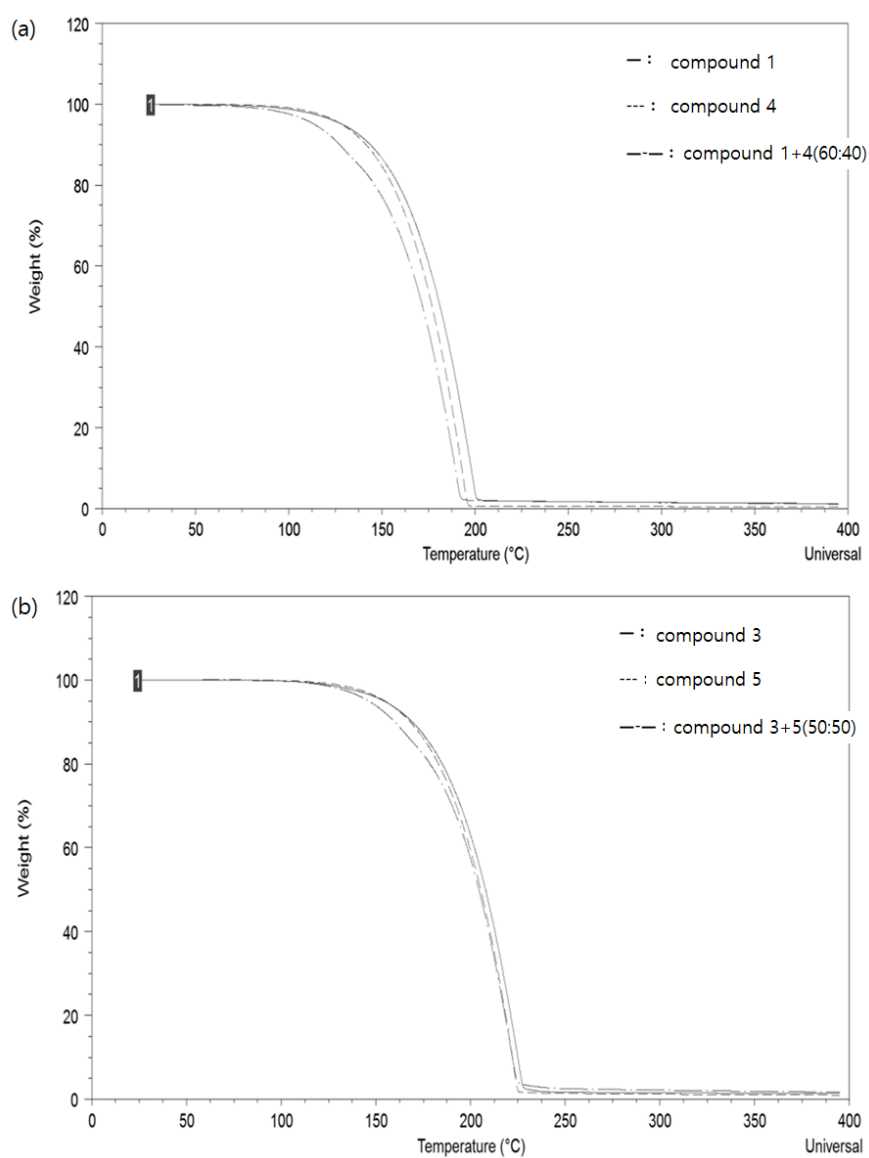


FIG. 9

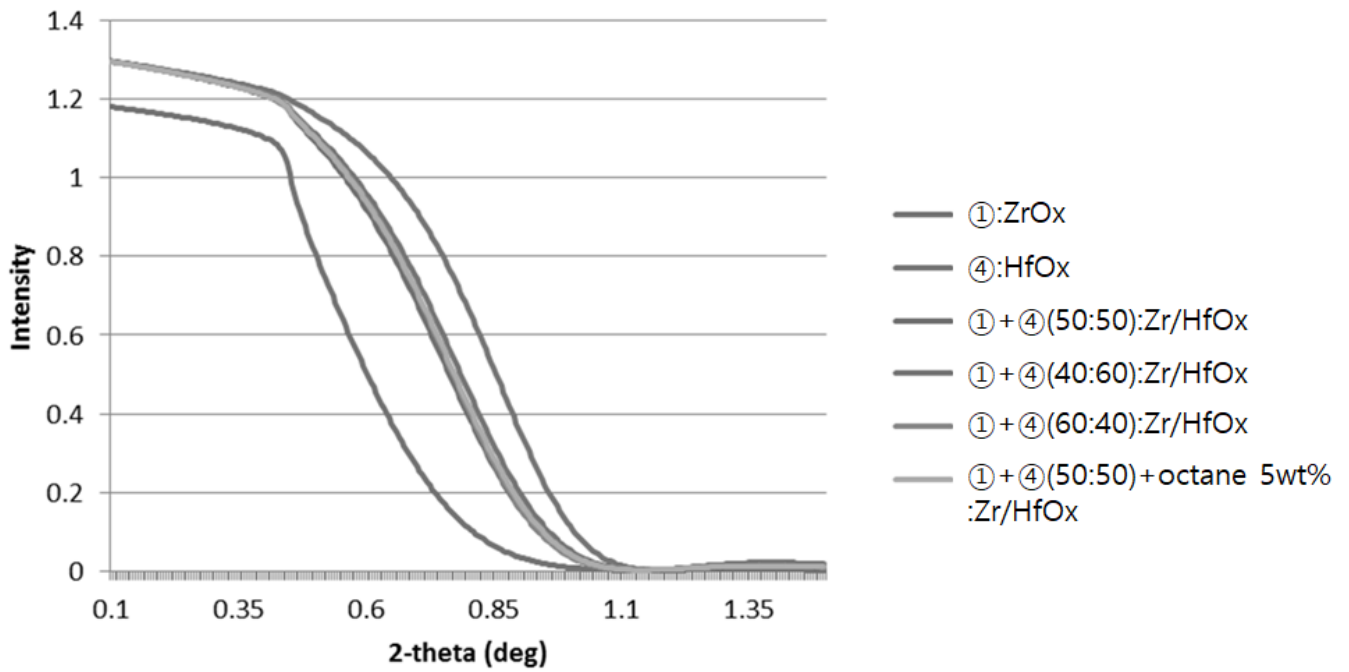


FIG. 10

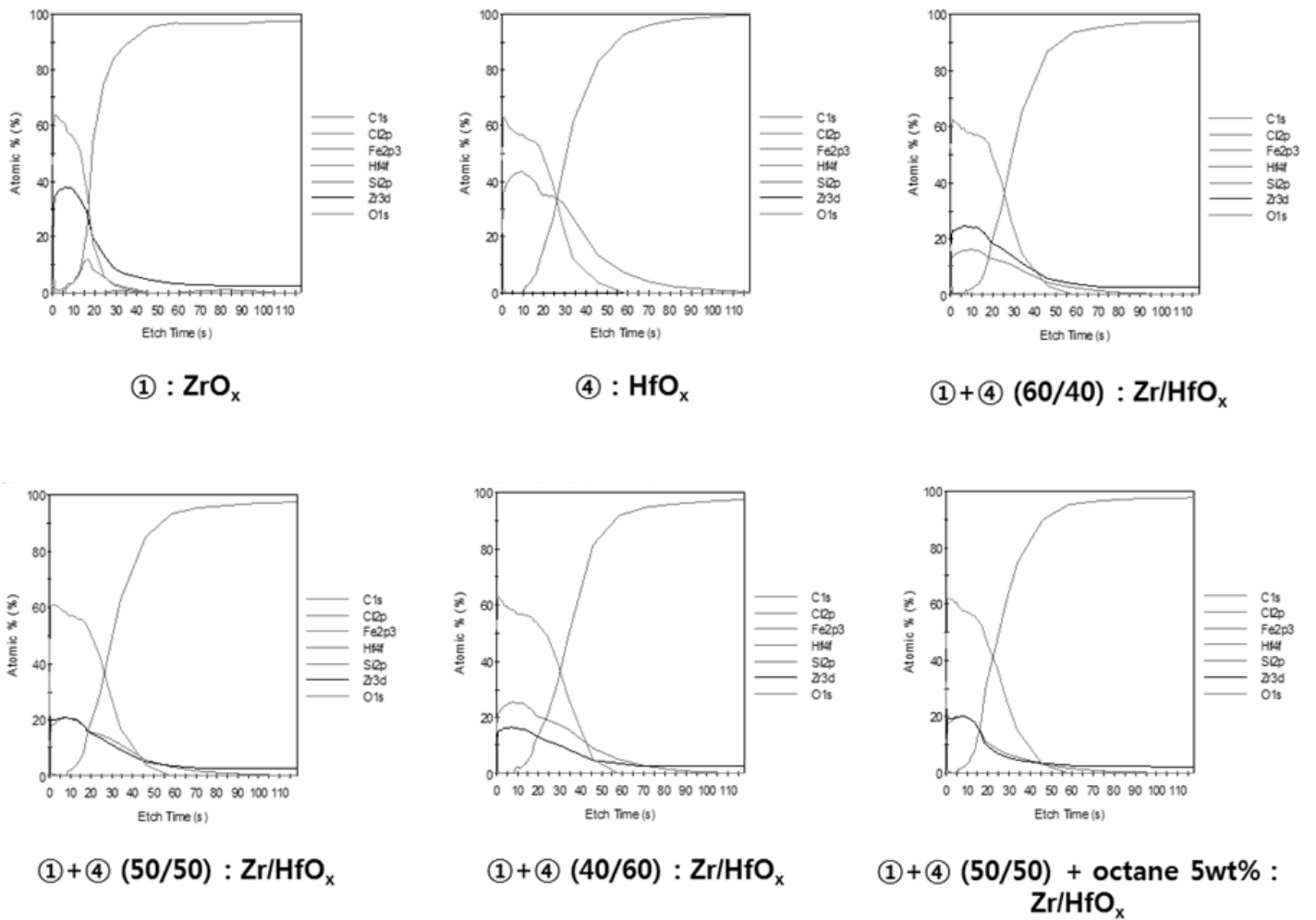
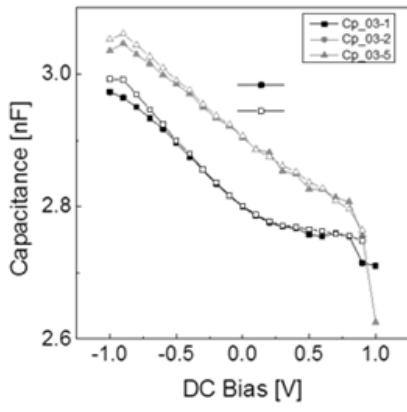
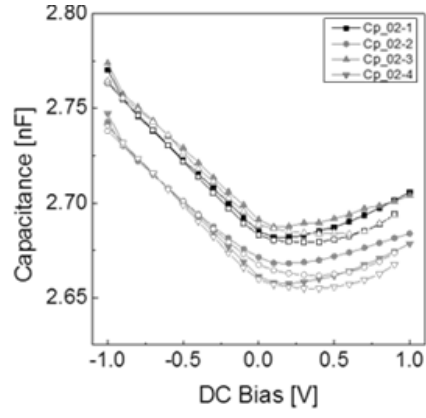
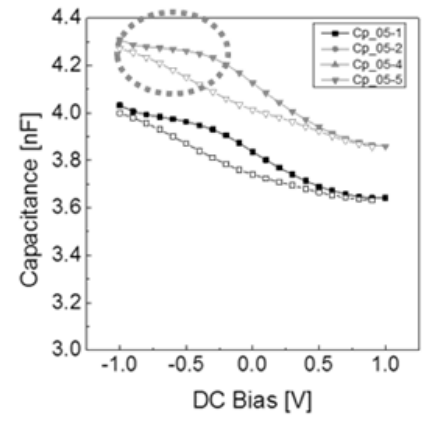
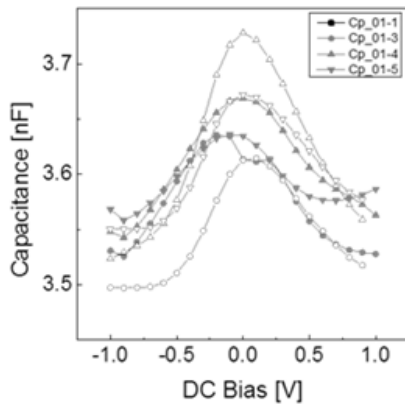
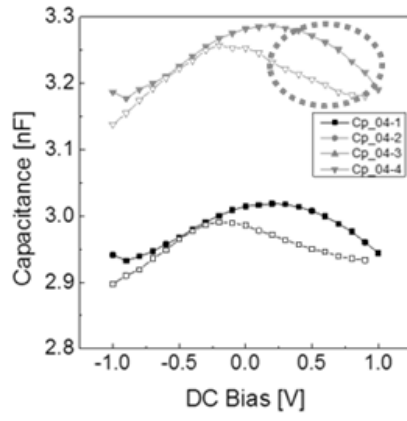


FIG. 11

① : ZrO_x ④ : HfO_x ①+④ (60/40) : Zr/HfO_x ①+④ (50/50) : Zr/HfO_x ①+④ (40/60) : Zr/HfO_x 