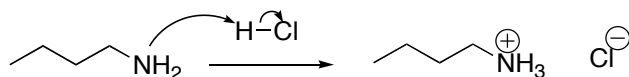
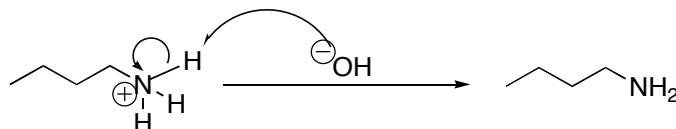
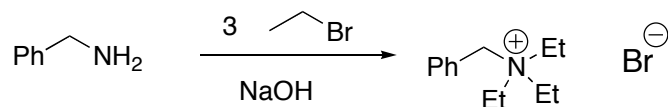
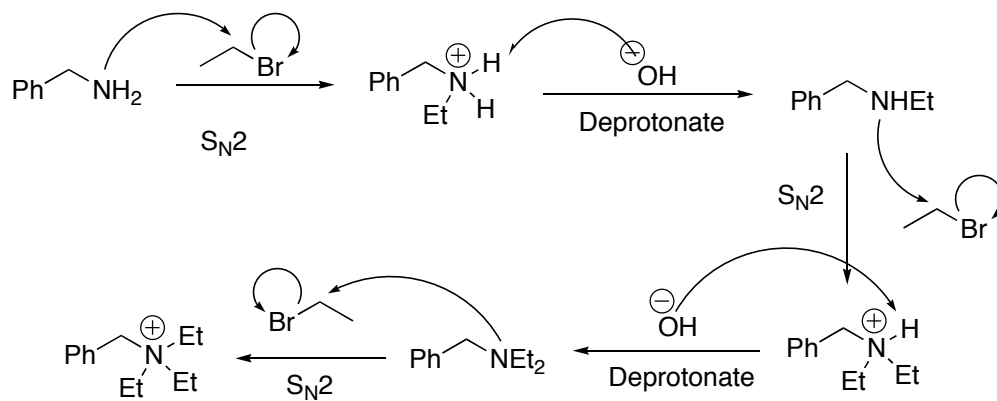
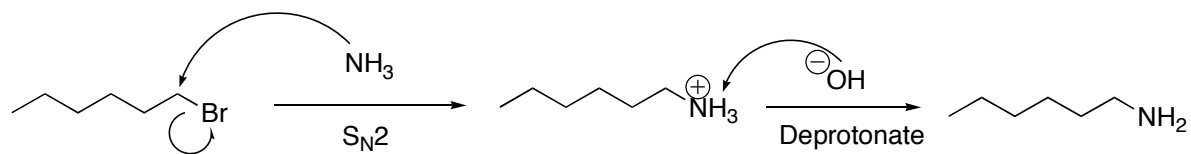


**Mechanisms****1. Protonation****1.-Reverse. Deprotonation****3. Polyalkylation**

Ex:

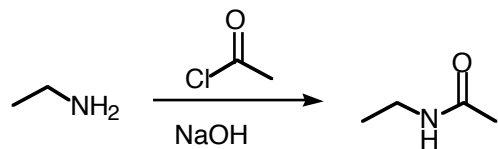


Mech:

**3b. Monoalkylation**

#### 4. Acylation

Ex:



Mech: 3 steps: Addition-Elimination-Deprotonation

