Please propose reasonable mechanisms for the following reactions including possible intermediates.

1. 

![Chemical structure of a compound labeled 1 with a proposed reaction sequence involving LiSnBu₃, MsCl, BnOH, KH, CAN or CTAN.]

   1. LiSnBu₃
   2. MsCl
   3. BnOH, KH

   → (72%)

   → CAN or CTAN

   25°C, (70-73%)

   →

2. 

![Chemical structure of a reaction involving the reaction of aryl iodides with Me₃SiCN using 4.0 mol % {2-Me-allyl}Pd₂, 10 mol % CuBr₂, ZnF₂ (0.6 equiv), CO (10 atm), DMF, 80°C, 12h.]

   4.0 mol % {2-Me-allyl}Pd₂

   10 mol % CuBr₂

   ZnF₂ (0.6 equiv)

   CO (10 atm)

   DMF, 80°C, 12h

   → 41-83% yields