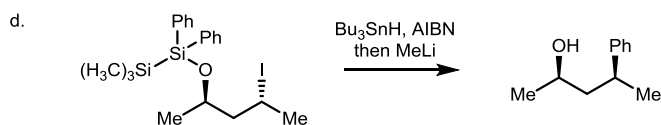
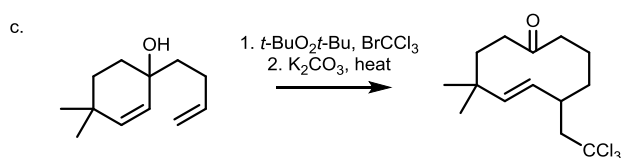
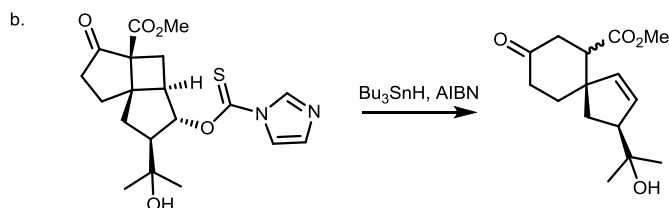
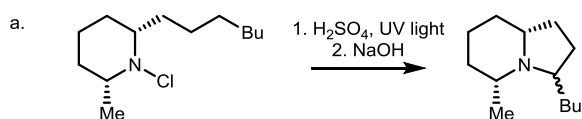
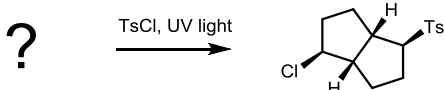
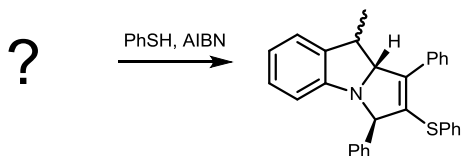


## Radical Radicals

1. Suggest mechanistic explanations for the following reactions, rationalise any regio/stereo-selectivity where appropriate.



2. Propose a starting material for these radical cyclisations (retros include <3 bond breakages)



3. Please propose a retrosynthesis of the following compound, you may find radical chemistry a useful place to start.

