Chem 220 Ch. 9 Synthesis Practice Fall 2017

Propose a synthesis to account for the following transformations.

c.
$$Br$$
 $HgSO4'$
 H_2SO_4 , H_2O
 Br_2
 Br
 SP
 SP

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e.
$$\begin{array}{c} OH \\ H \\ \hline \end{array}$$

$$\begin{array}{c} OH \\ H_3C \\ \hline \end{array}$$

$$\begin{array}{c} OH \\ CH_3 \\ \hline \end{array}$$

$$\begin{array}{c} 1. \text{ NaNH}_2 \\ \hline 2. \text{ Mel} \\ \hline \end{array}$$

$$\begin{array}{c} OH \\ H_3C \\ \hline \end{array}$$

$$\begin{array}{c} OH \\ CH_3 \\ \hline \end{array}$$

f.
$$H$$

1. $NaNH_2$

2. Mel
 H

1. $NaNH_2$
 H

1. $NaNH_2$
 H

Lindlar's cat.