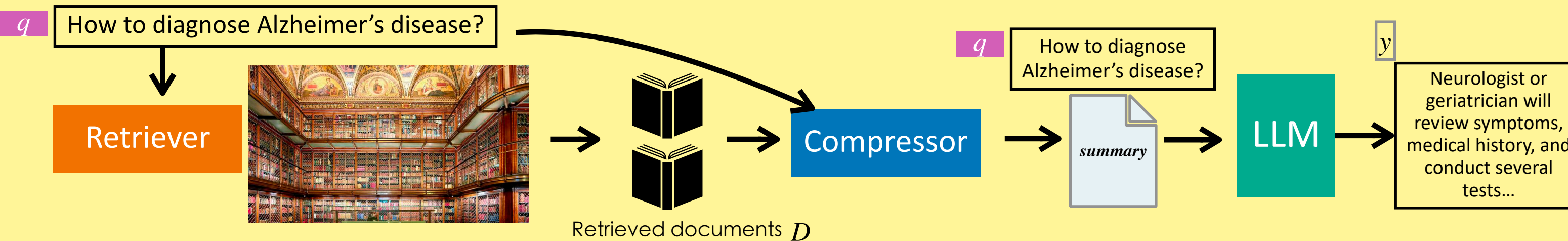


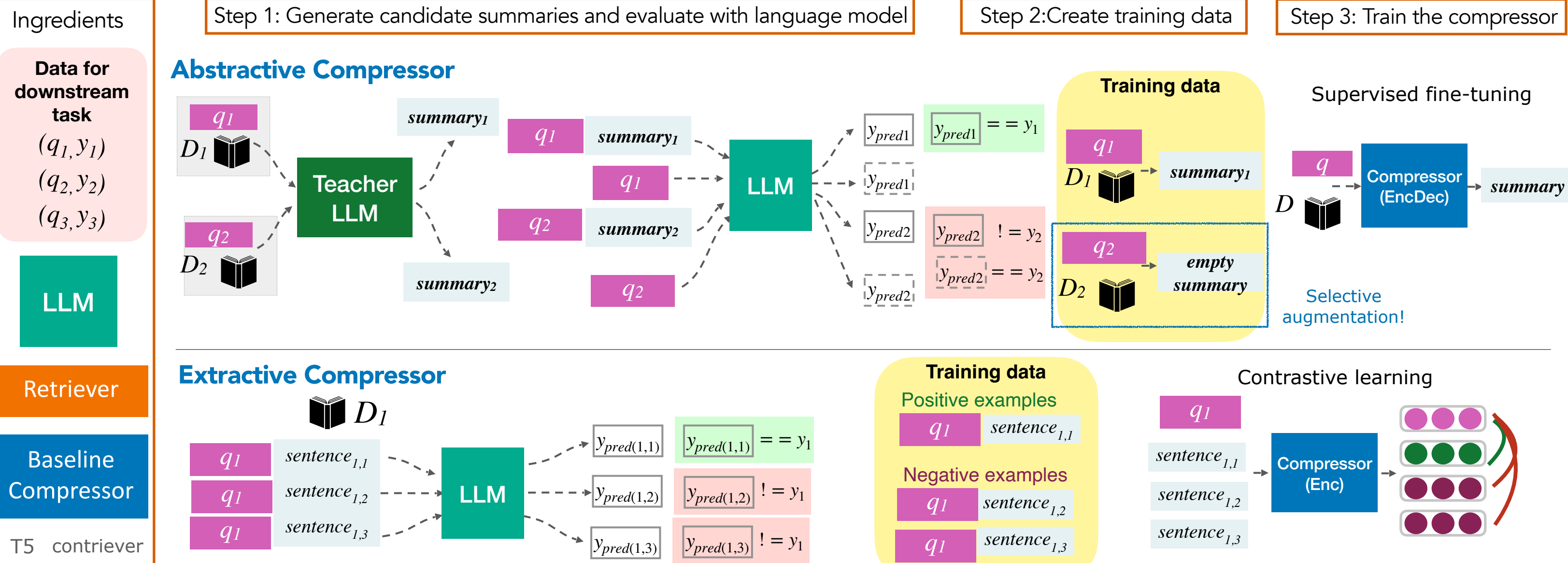
RECOMP: Improving Retrieval-Augmented LMs with Compression and Selective Augmentation



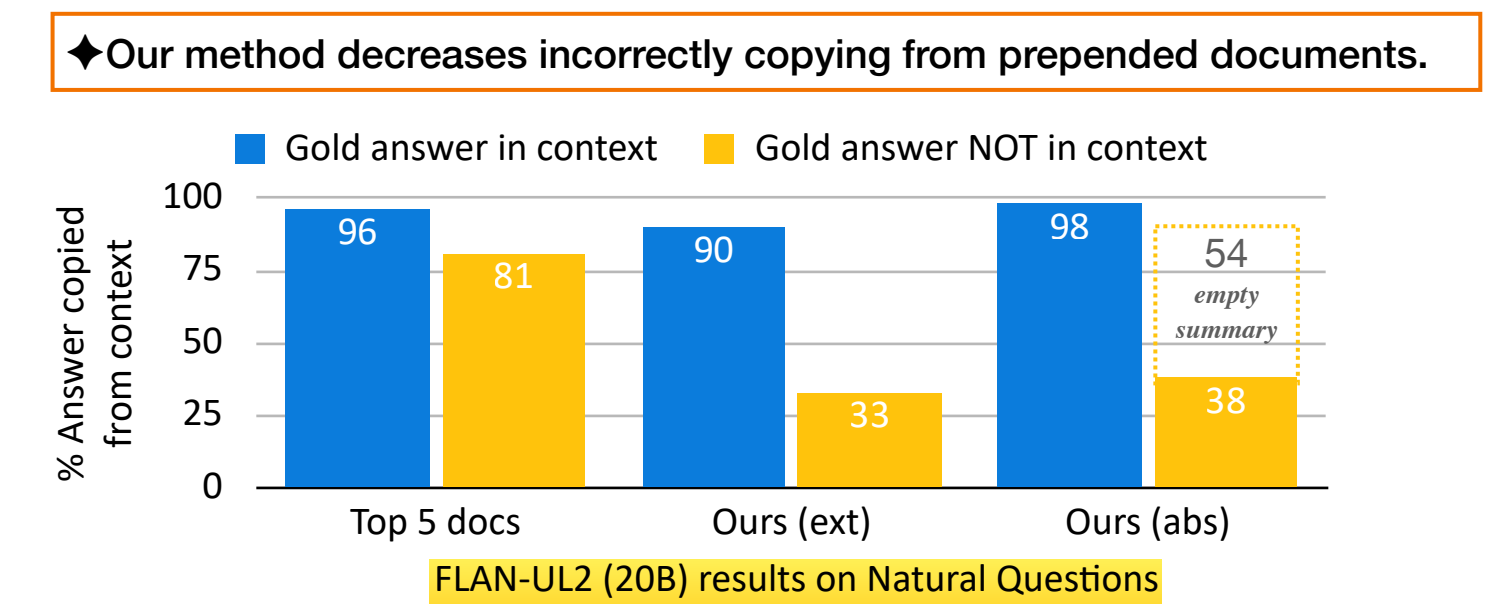
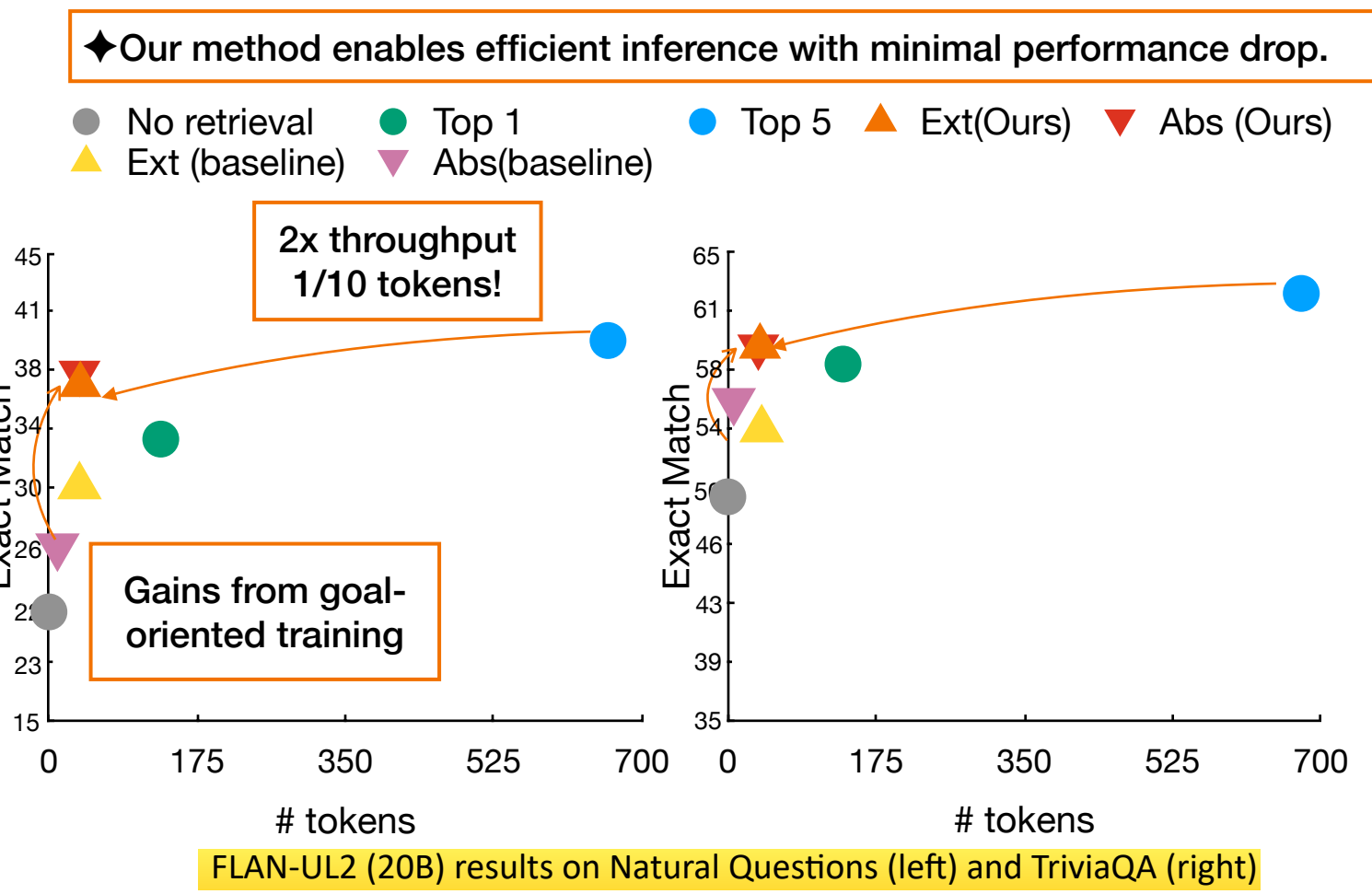
Key Idea: Learn a compressor that maps noisy retrieval outputs into a summary and then prepend the summary as an input to LM



Learning a compressor



Experiments & Results



More analysis in the paper!

- Does compressor trained with one LM transferred to other LMs
- Does compressor trained with one retriever transferred to others?
- How often does selective augmentation happen?
- How good is the teacher model for abstractive compressor?