不定式修饰the first.../the last...是否需要用到完成式？

整理语法书上的例句：

① 由the only及序数词（the first, the second），顺序词（the last, the next）或形容词最高级修饰的名词也常接不定式作定语。例如：

Linda was not the only one to sign up.

He is always the last to leave the office.

This is the fifth case of anthrax (炭疽) to occur in New York this year.

He is the youngest person to win the medal.

以前不知道在哪里记录过这样一个句子：

Edison was the first scientist \_to have built\_ (build) a modern research and development center.

所以以为有时候需要用到to have done的形式

但做题过程中遇到过感觉可以用to have done的情况，答案却给了to do，问2个同事，2个同事都说这个结构一般很少用完成式

There is already significant evidence for green spaces’ effects on improving various aspects of children’s cognitive development but this is the first research \_\_\_\_\_\_\_\_ (examine) IQ. 前一段介绍了这个研究的结论，所以我填了to have examined, 但答案是to examine

结论：语法填空题碰到就用to do的形式，不需要用完成式