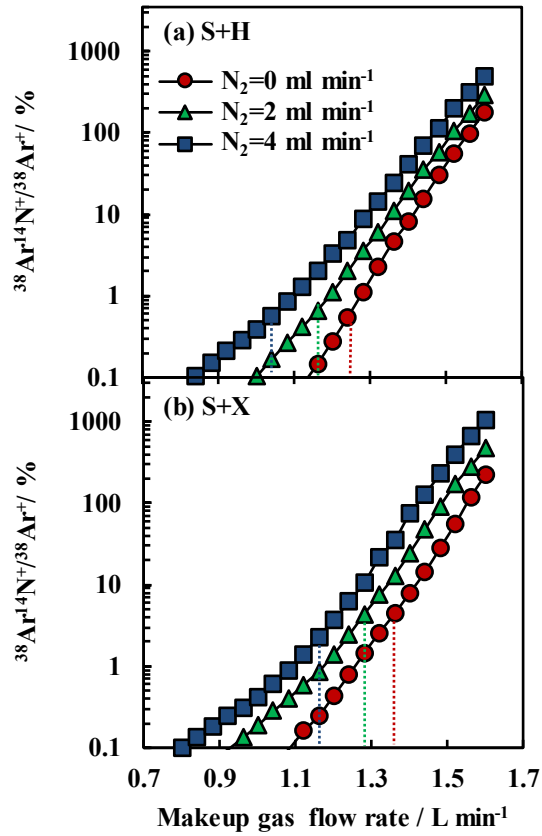


1

2 SFig.1 Correlation of IE^{1st} and mass number and signal enhancement factor for nitrogen

3 addition ($N_2 = 2$ and 4 ml min^{-1}) in S+H (a and c) and S+X (b and d) cone.



4

5 SFig. 2 Effect of makeup gas flow rate on $^{38}\text{Ar}^{14}\text{N}^+ / ^{38}\text{Ar}^+$ ratio for normal and Ar-N₂
6 mixed plasmas in S+H (a) and S+X (b) cone combinations, respectively. The dashed
7 lines show the difference between the makeup gas flow rates for normal and Ar-N₂
8 mixed plasmas, which yield the maximum signal intensity of Ce.