

Supporting Information:

**Beryllium Decorated Armchair BC₂N Nanoribbon: Coexistence of
Planar Tetracoordinate Carbon and Nitrogen Moieties**

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Figure S1. Stable configurations of atoms-decorated armchair BC₂N nanoribbon.

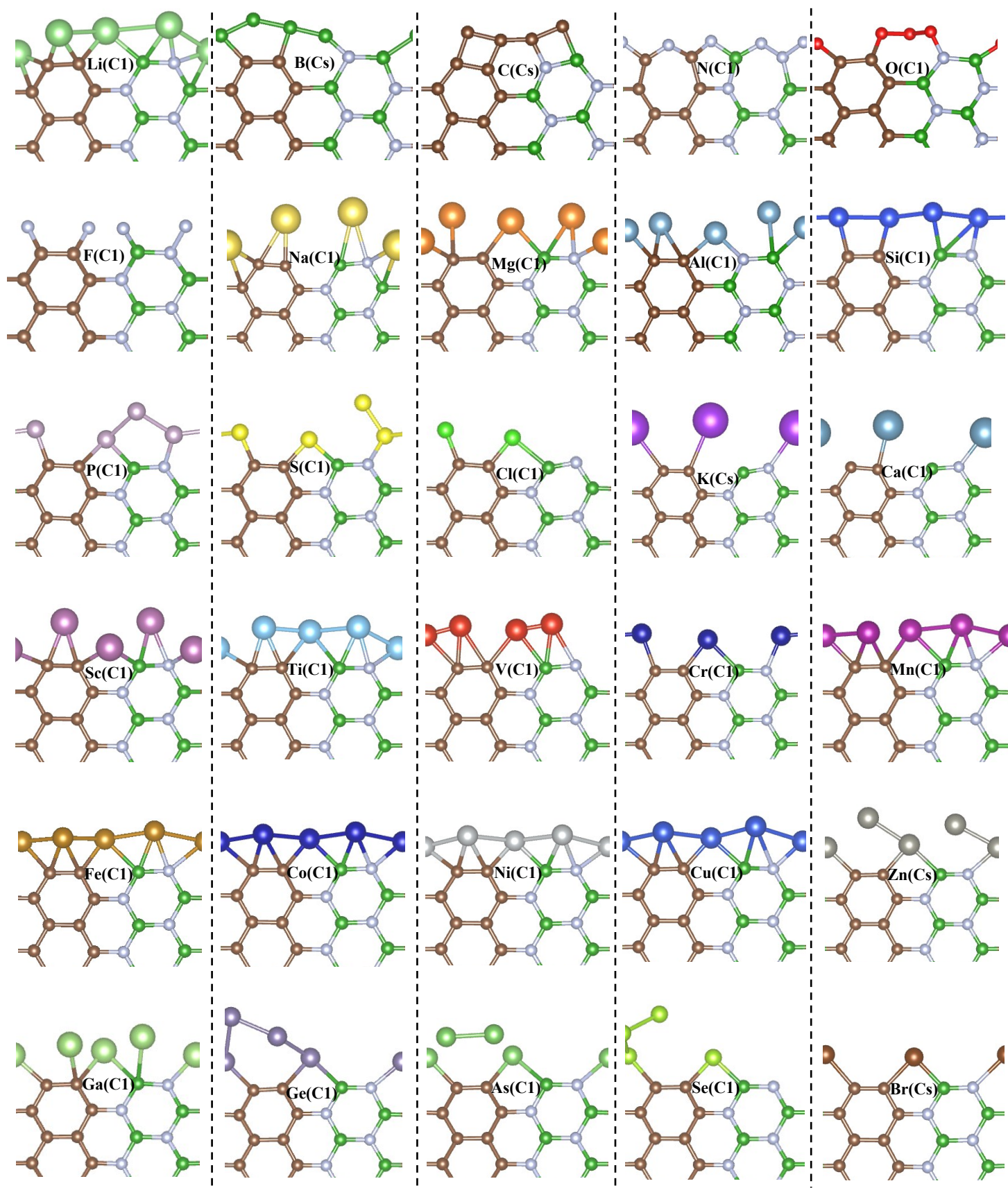
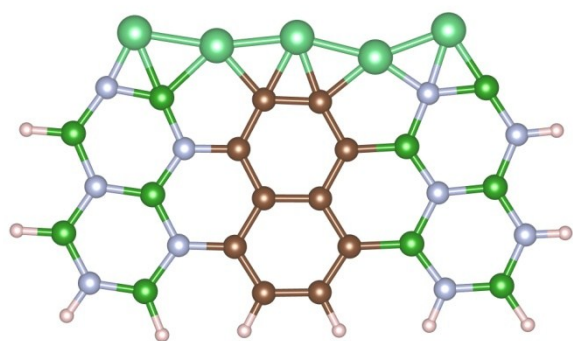
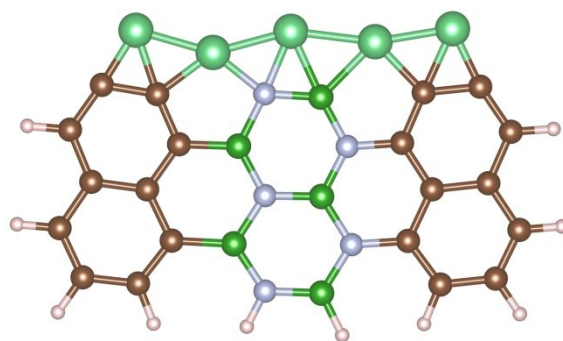


Figure S2. The finite molecular models for Be decorated aBC₂NNR

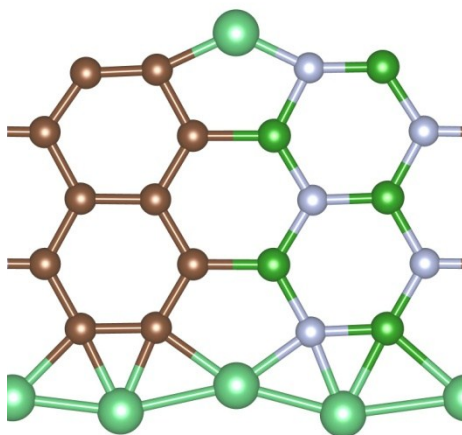


(a)

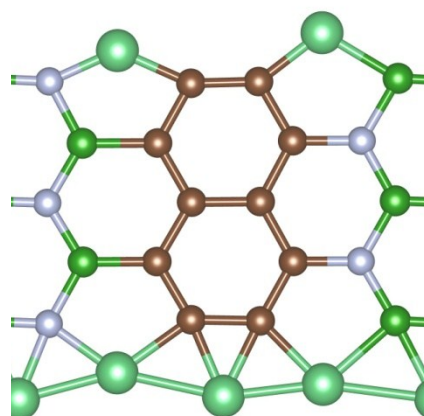


(b)

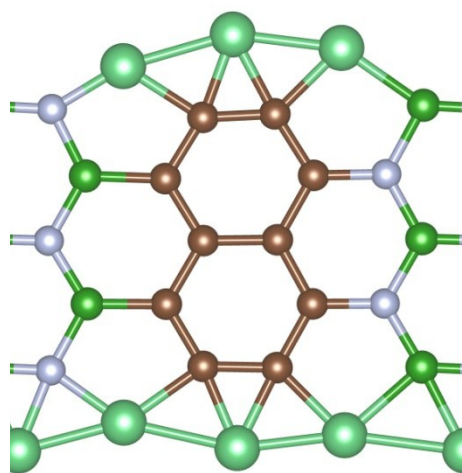
Figure S3. The most stable structure of Be- $\langle aBC_2NNR \rangle$ -(c)Be models.



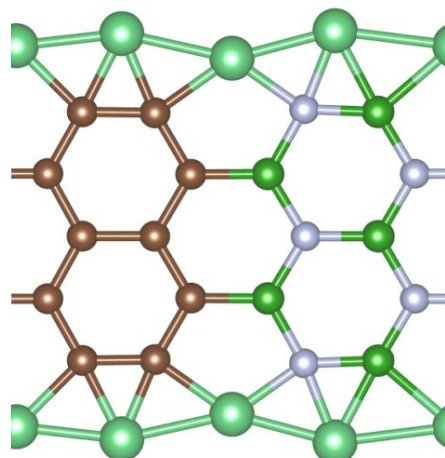
Be- $\langle aBC_2NNR \rangle$ -(1/4)Be



Be- $\langle aBC_2NNR \rangle$ -(2/4)Be



Be- $\langle aBC_2NNR \rangle$ -(3/4)Be



Be- $\langle aBC_2NNR \rangle$ -Be