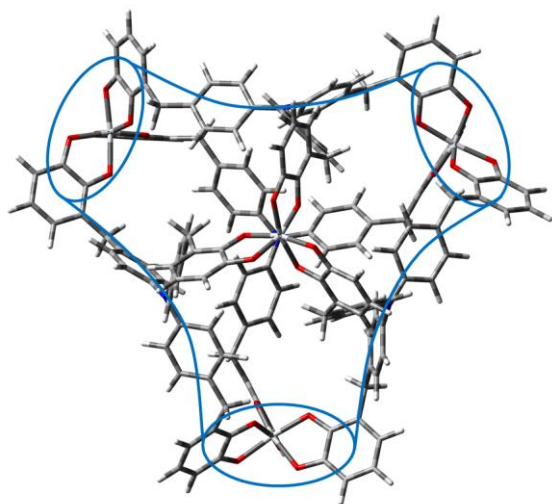


Supplementary information for:

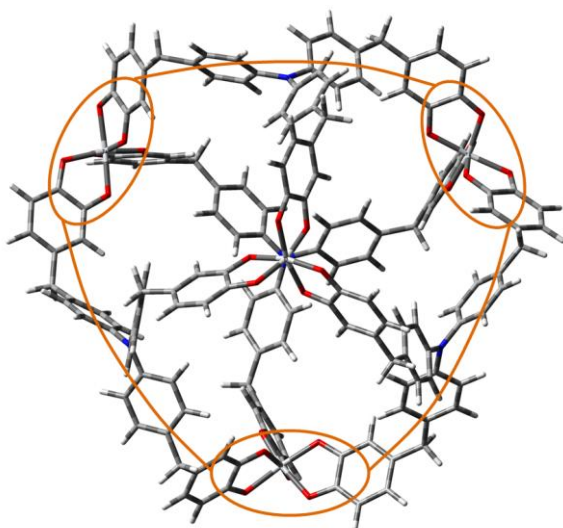
Tuning the size of supramolecular M_4L_4 tetrahedra by ligand connectivity

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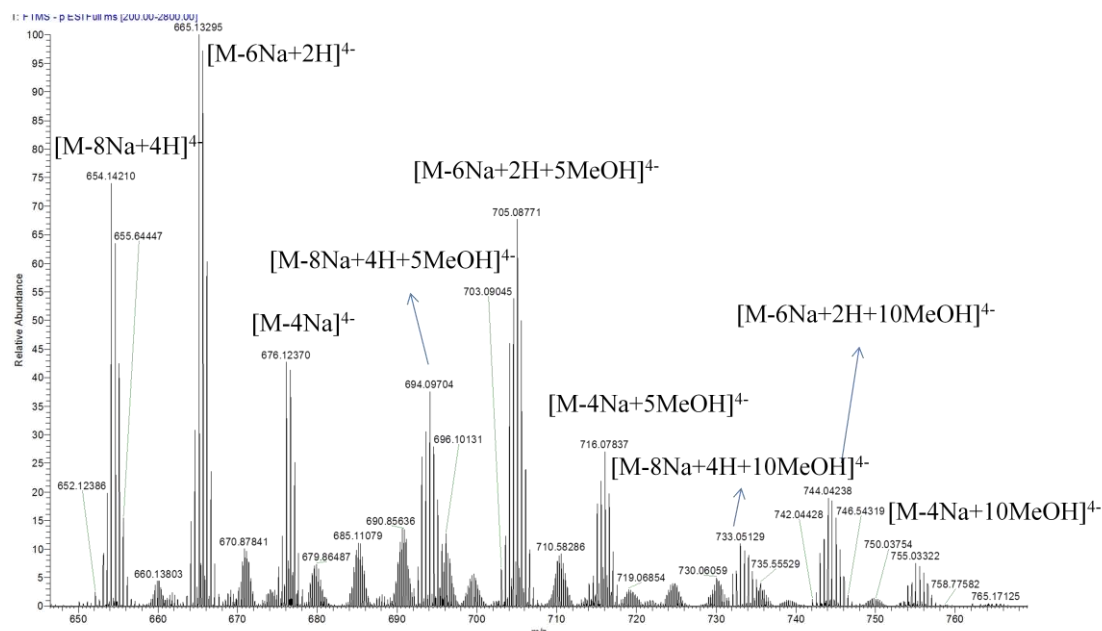
Representations of the containers $[(L^1)_4Ti_4]^{8-}$ and $[(L^2)_4Ti_4]^{8-}$ showing a compressed structure of $[(L^1)_4Ti_4]^{8-}$ and the expanded structure of $[(L^2)_4Ti_4]^{8-}$.



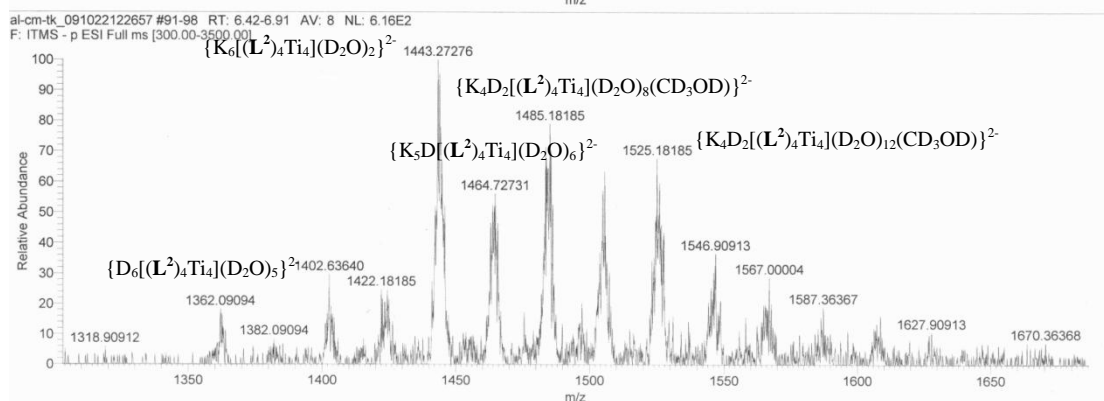
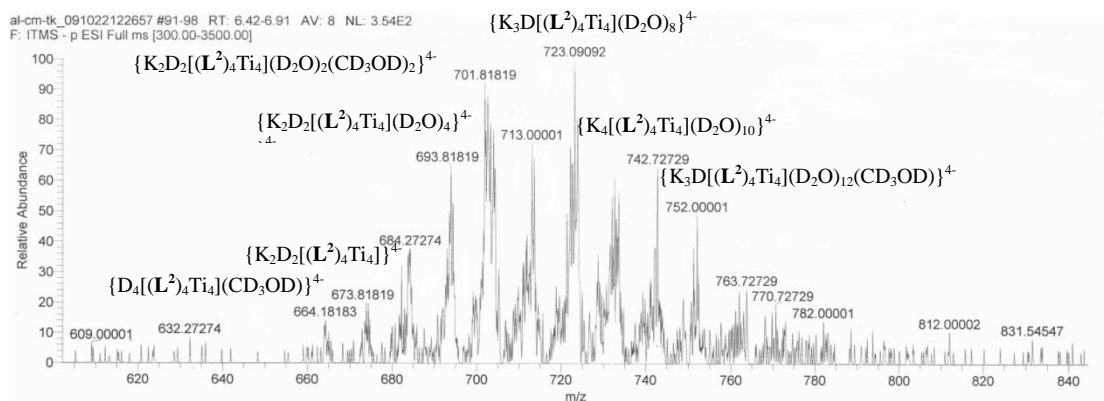
The blue line shows that the ligand L^1 points inwards. Therefore, the cavity of the tetrahedron is small. The average Ti-N distance of the complex $[(L^1)_4Ti_4]^{8-}$ is 9.51 Å.



The red line shows that ligand L^2 is nearly planar. The average Ti-N distance of the complex $[(L^2)_4Ti_4]^{8-}$ is 10.37 Å which is 0.86 Å larger than the Ti-N distance of the tetrahedron with ligand L^1 .



ESI MS in methanol of $\text{Na}_8[(\mathbf{1})_4\text{Ti}_4]$



Relevant parts of the ESI MS spectrum of $\text{Na}_8[(\mathbf{2})_4\text{Ti}_4]$. (The sample was directly sprayed from deuterated solvents in order to guarantee that the species detected by NMR and MS are the same).

