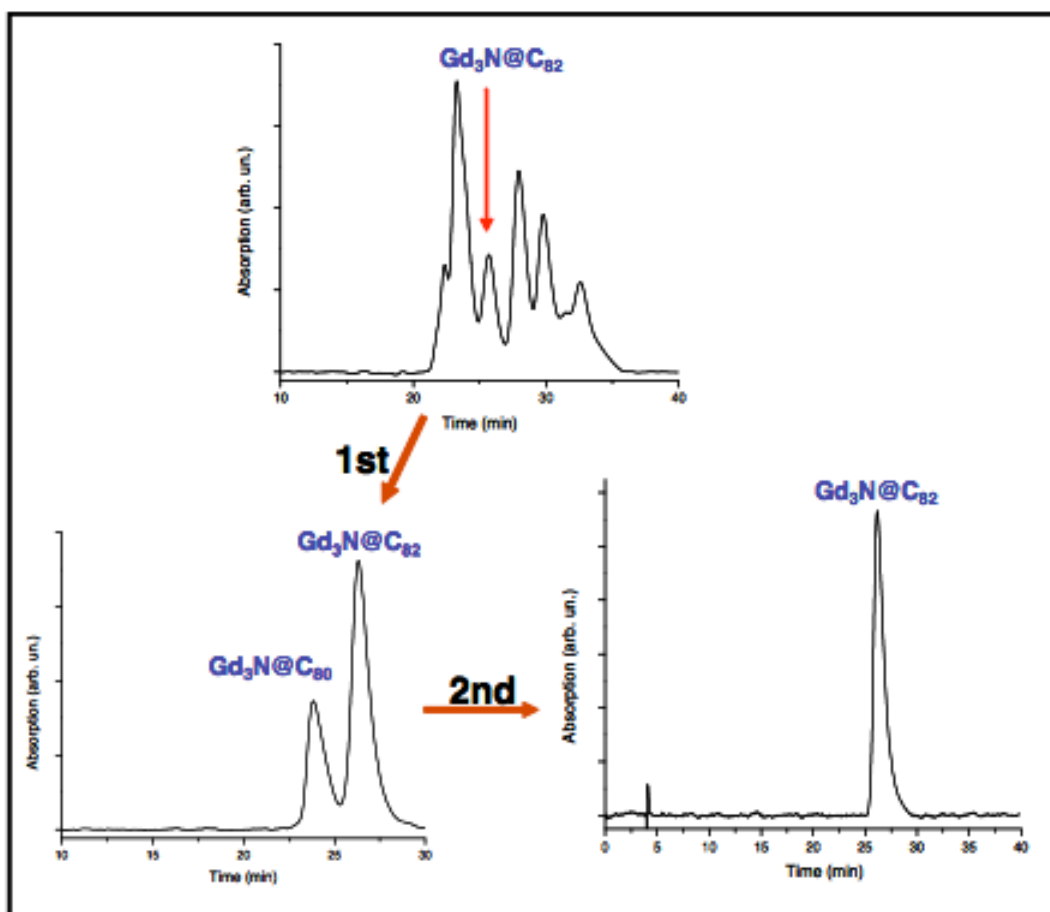


Is the Isolated Pentagon Rule Merely a Suggestion? The Structure of a Second Egg-Shaped Endohedral Fullerene - $\text{Gd}_3\text{N}@\text{C}_s(39663)\text{-C}_{82}$

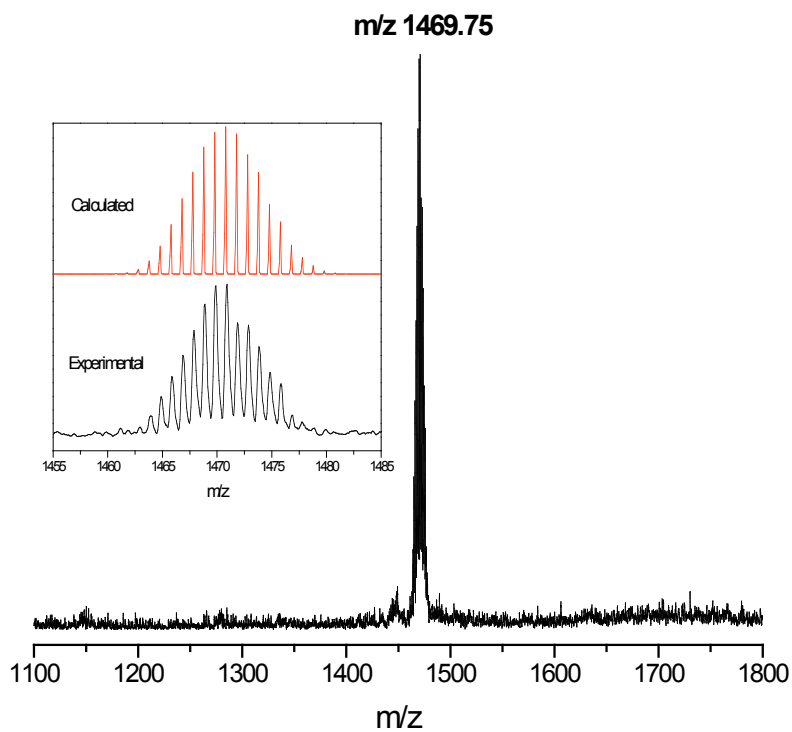
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1. Complete Ref. (4)(a) Akasaka, T.; Wakahara, T.; Nagase, S.; Kobayashi, K.; Waelchli, M.; Yamamoto, K.; Kondo, M.; Shirakura, S.; Okubo, S.; Maeda, Y.; Kato, T.; Kako, M.; Nakadaira, Y.; Nagahata, R.; Gao, X.; Van Caemelbecke, E.; Kadish, K. M. *J. Am. Chem. Soc.* **2000**, 122, 9316.

2. Two steps HPLC separation of $\text{Gd}_3\text{N}@\text{C}_s(39663)\text{-C}_{82}$ using a Buckyprep-M column, 4.0 mL/min flow rate of toluene and detection at 372 nm.



3. Calculated and experimental MALDI-TOF mass spectrum of $\text{Gd}_3\text{N}@C_s(39663)\text{-C}_{82}$.



4. UV/Vis spectrum and picture of $\text{Gd}_3\text{N}@C_s(39663)\text{-C}_{82}$ dissolved in toluene.

