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Uriah J. Kilgore, Xiaofan Yang, John Tomaszewski, John C. Huffman, and Daniel J. Mindiola*: Activation of Atmospheric Nitrogen and Azobenzene N=N Bond Cleavage by a Transient Nb(III) Complex

Page 10712: Analysis of complex **1** by Raman spectroscopy reveals a strong and isotope-sensitive stretch at 1307 cm^{-1} , which shifts to 1269 cm^{-1} when $^{15}\text{N}_2$ is used to generate the isotopomer **1**- $^{15}\text{N}_2$. Raman spectra were collected on a Renishaw InVia microRaman system with a 785-nm diode laser. Sample excitation and the collection of Raman scattering was achieved using a Leica 50x (numerical aperture = 0.70). The spectra were recorded using extended collection modes; band positions were calibrated using a Si sample. The authors thank Professor Amar Flood and Edward Witlicki for assistance with Raman spectroscopy.

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