

Nitrogen isotopic ratios of graphite in UOCs

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Graphite aggregates, which contain isotopically anomalous N, have been found in some UOCs. Heavy N of bulk samples of Mezo Madaras and Dimmitt are probably due to graphite aggregates. Yamato74191 also contains graphite aggregates which have heavy N. Graphite in these three UOCs may be closely related to the graphite found in Khohar. N isotopic ratios in graphite aggregates of ALH77167 and ALH78119 measured by SIMS are normal. No graphite was found in LEW86022 and ALHA76004. The carriers of light N in these four UOCs are unknown.