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Separations in conventional radiochemical analysis have been carried out by a variety of classical and chromatographic methods, including precipitation, liquid–liquid extraction, and ion exchange. Often sequential combinations of these methods are used and, in some cases, individual steps must be repeated.

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Three common quantitative applications of radiochemical methods of analysis are considered in this section: the direct analysis of radioactive isotopes by measuring their rate of disintegration, neutron activation, and the use of radioactive isotopes as tracers in isotope dilution. Direct Analysis of Radioactive Analytes

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Radiochemistry is the chemistry of radioactive materials, where radioactive isotopes of elements are used to study the properties and chemical reactions of non-radioactive isotopes (often within radiochemistry the absence of radioactivity leads to a substance being described as being inactive as the isotopes are stable).

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Radiochemical Analysis a branch of analytical chemistry comprising an aggregate of methods for qualitatively determining the composition and content of radioisotopes in the products of transformations. Radioisotopes may arise from nuclear reactions both in natural substances and in specially irradiated materials.

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Radiochemical Methods in Analysis | D. Coomber | Springer
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Radiochemical Methods in Analysis | D. Coomber | Springer
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