

DIFFRAC^{plus} Search/Match

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This paper presents the DIFFRAC^{plus} search/match program, the successor of DIFFRAC-AT Search/Match known as the first 3rd generation search/match program. The emphasis is on identifications close to the detection limits and on the factors that control the detection limits. The importance of the interactive graphical software is stressed as it is the user who eventually makes the decision on phase identification. Last but not least, the paramount importance of the PDF for successful phase identifications is illustrated, including an example which could not be solved without PDF-4 Organics.