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Supplementary Material

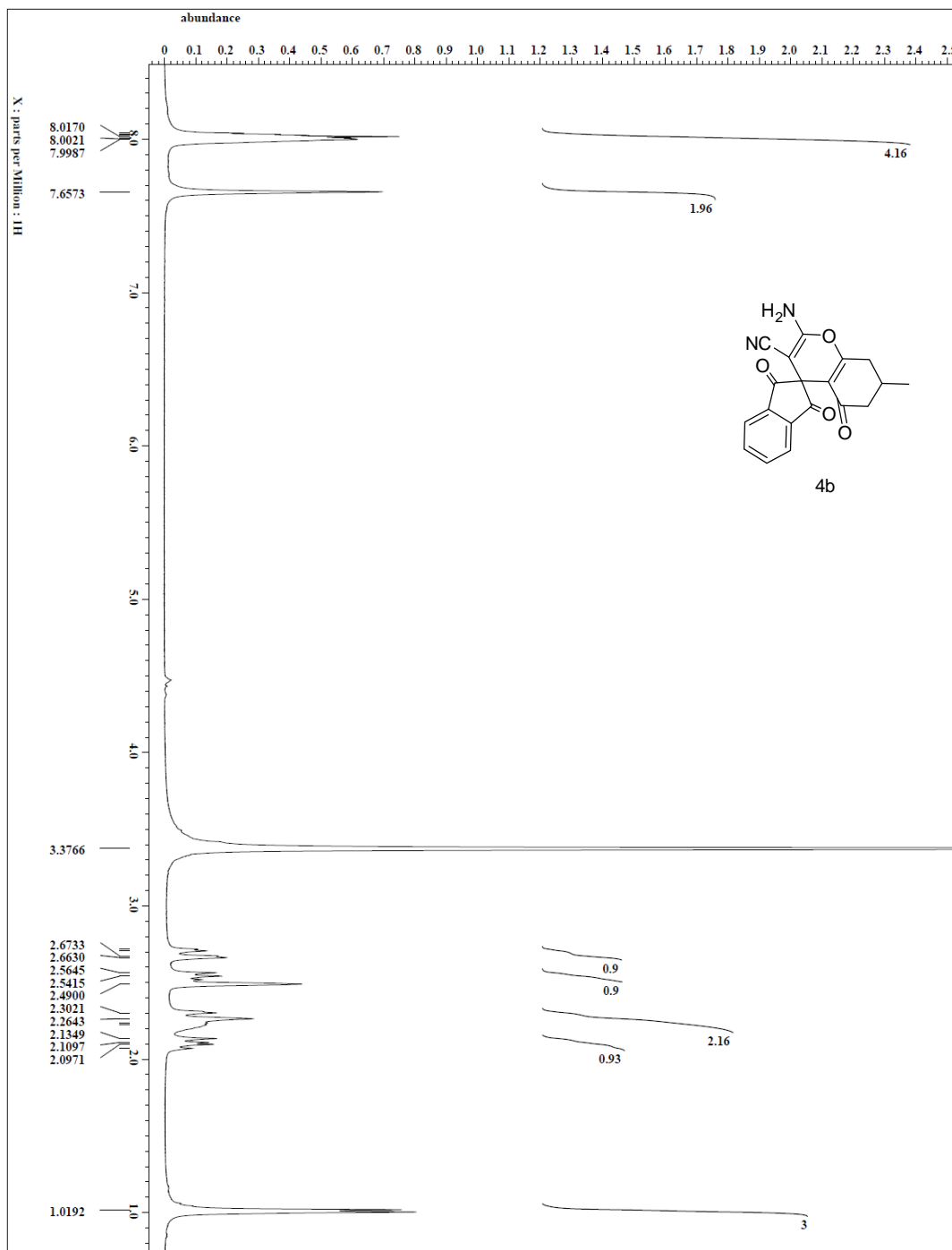
Highly Monodispersed PEG-stabilized Ni Nanoparticles: Proficient Catalyst for the Synthesis of Biologically Important Spiropyrans

Jitender M. Khurana^{A,B} and Sneha Yadav^A

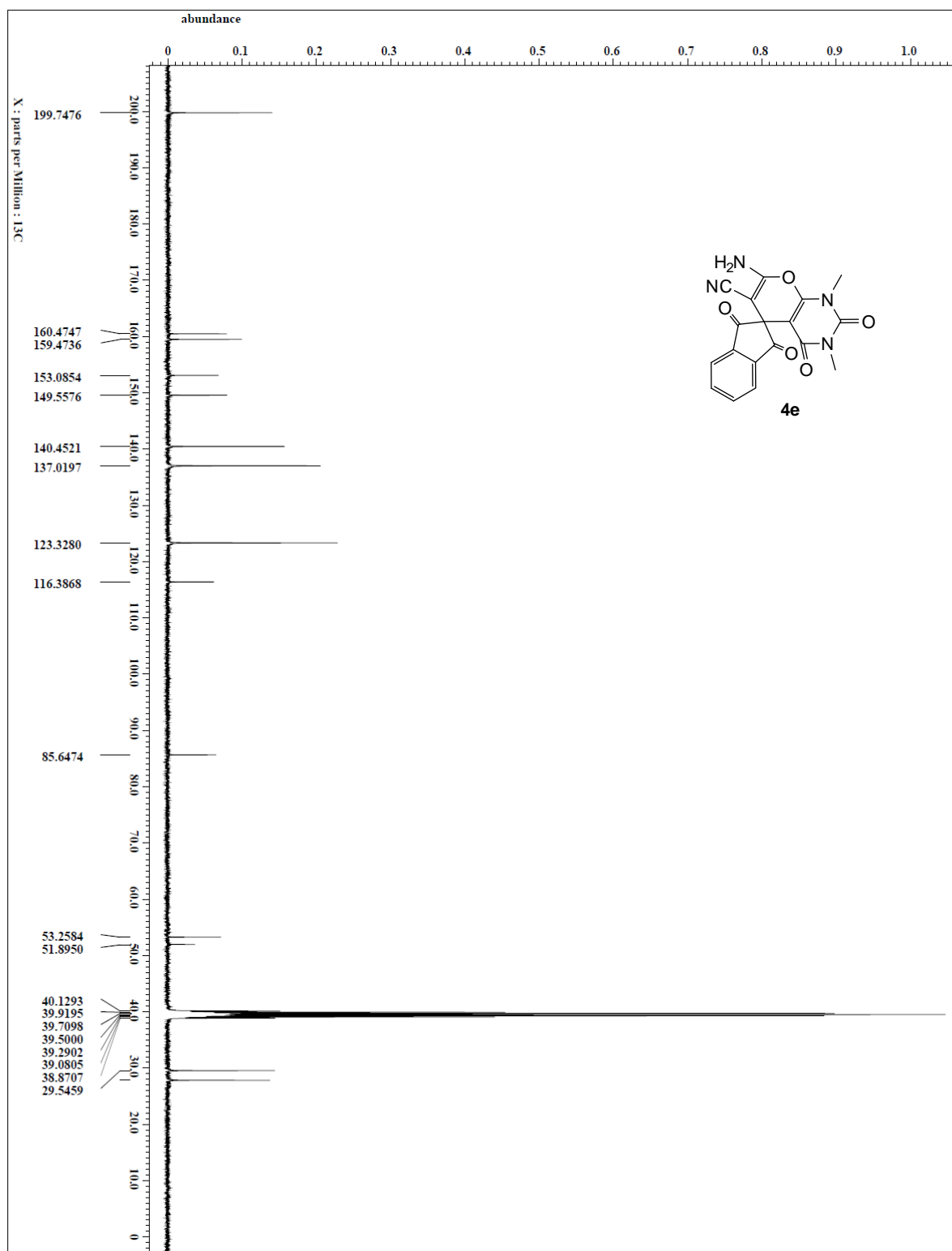
^ADepartment of Chemistry, University of Delhi, Delhi 110007, India.

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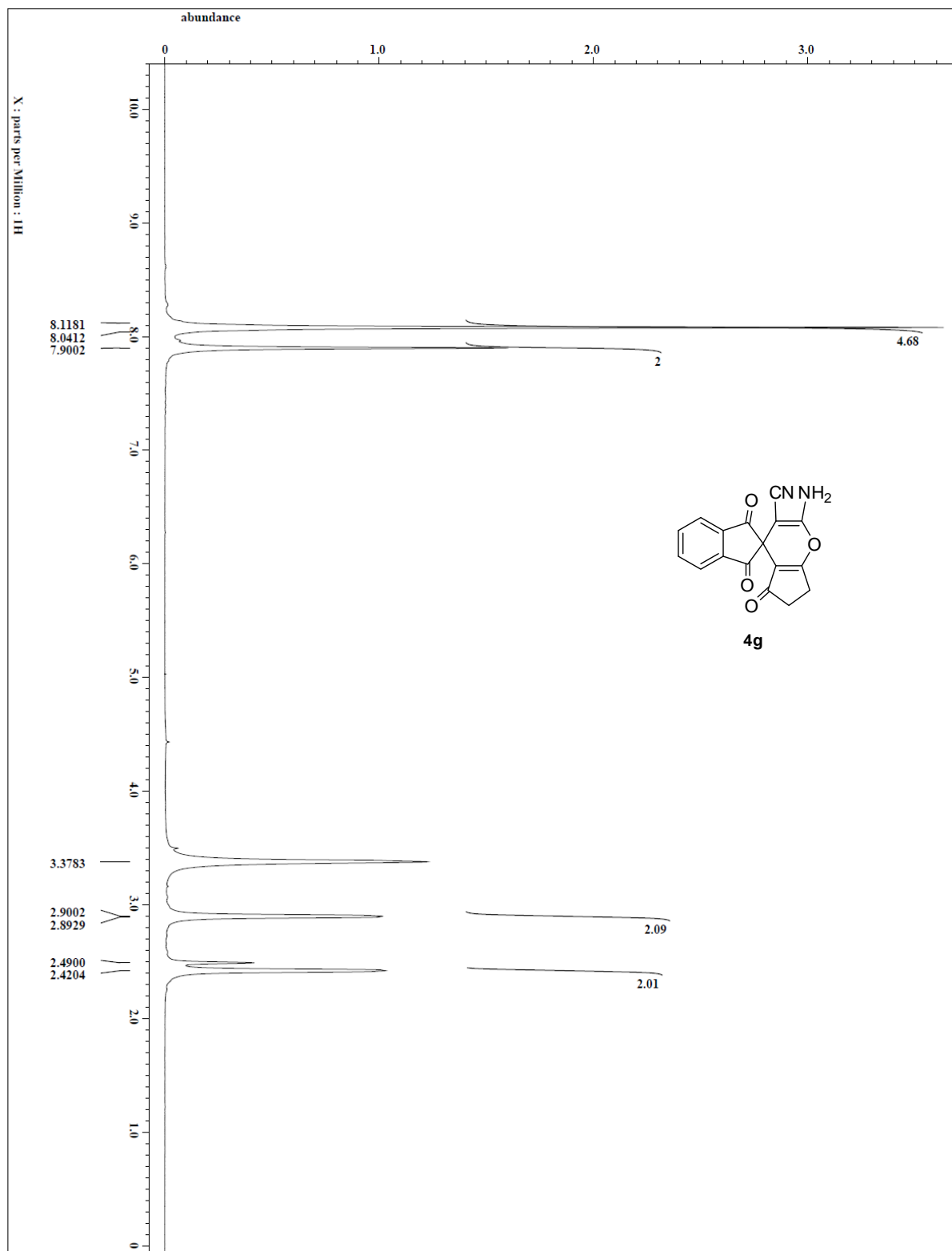
2-amino-7-methyl-1',3',5-trioxo-1',3',5,6,7,8-hexahydrospiro[chromene-4,2'-indene]-3-carbonitrile **4b**



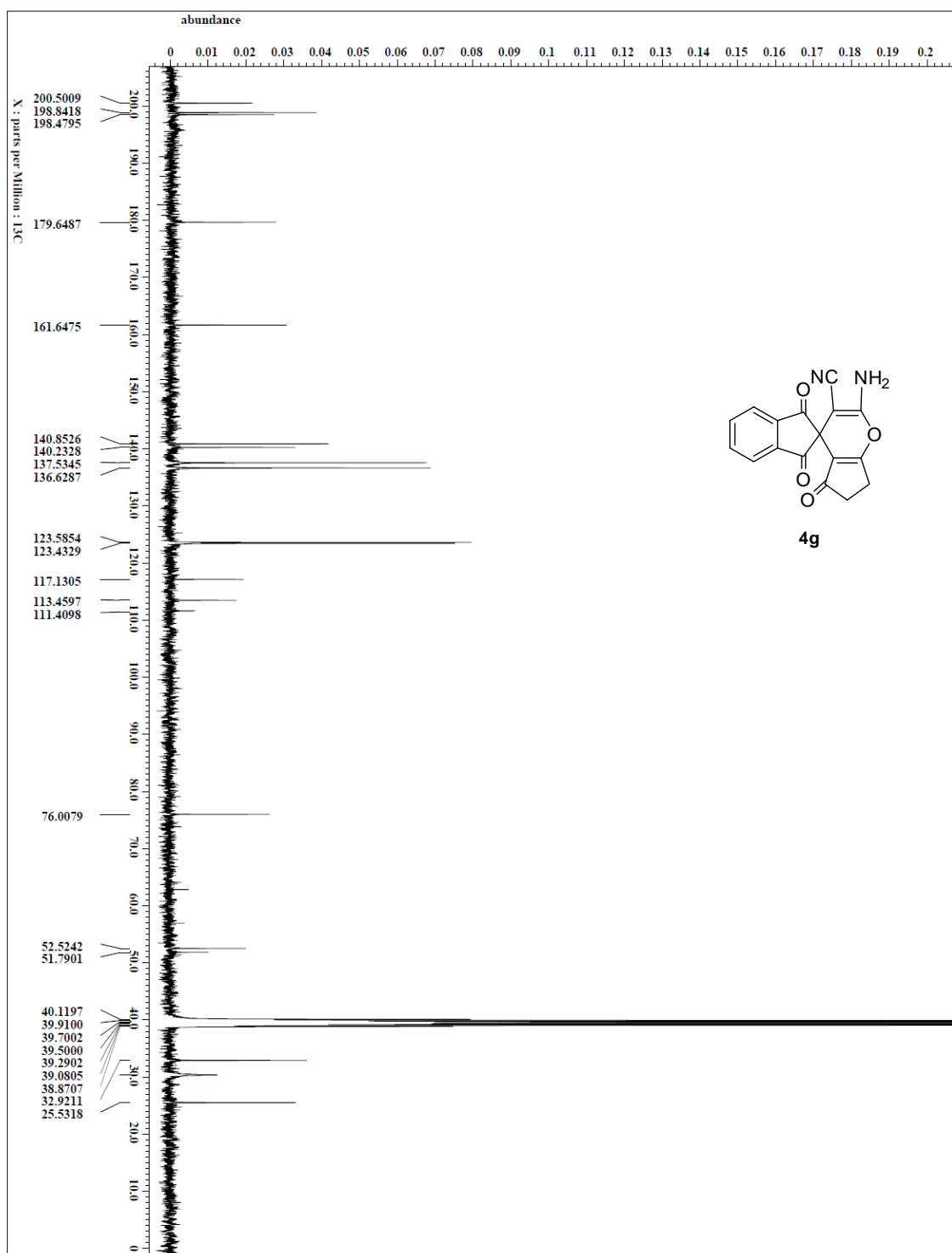
4e



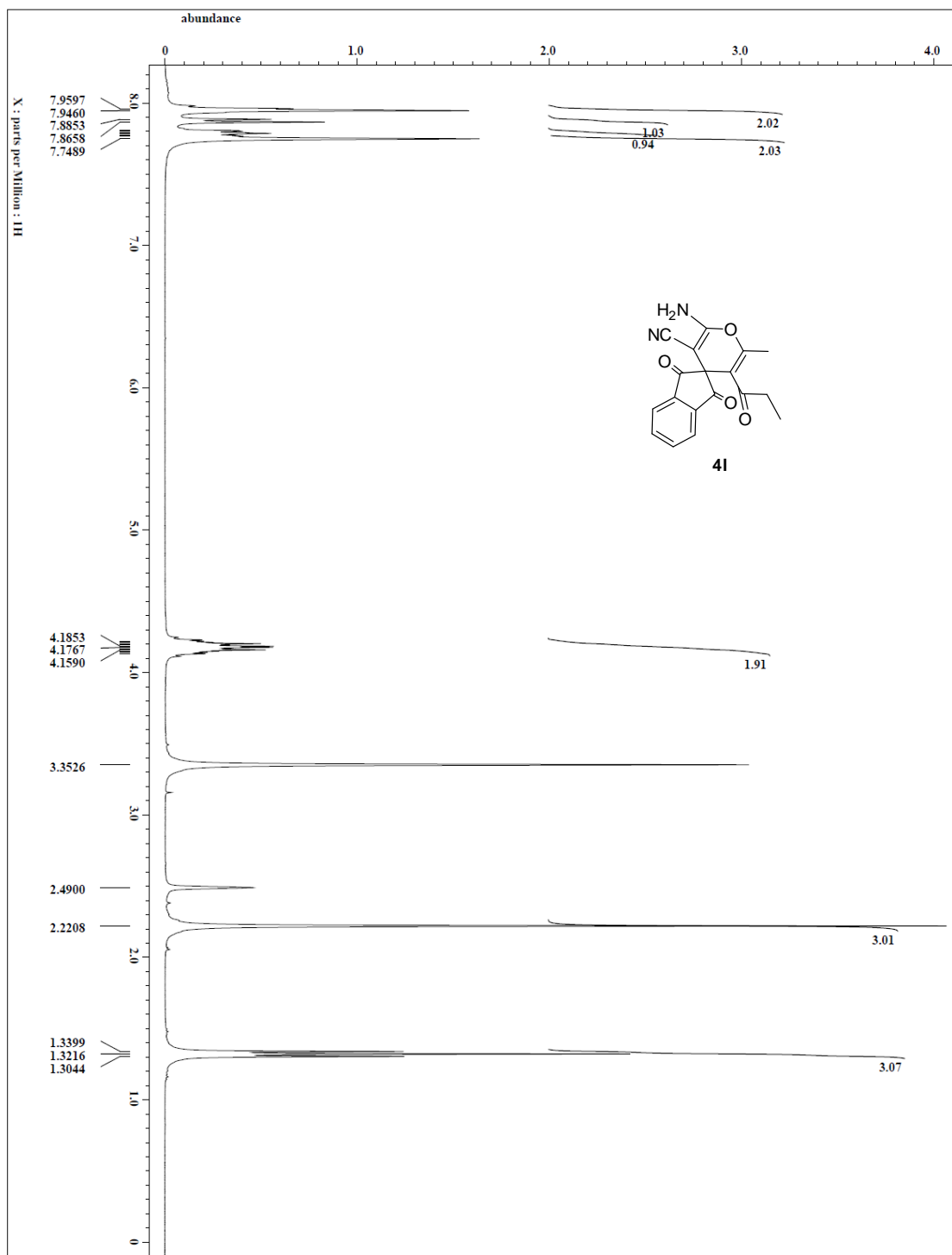
2-amino-1',3',5-trioxo-1',3',6,7-tetrahydro-5H-spiro[cyclopenta[b]pyran-4,2'-indene]-3-carbonitrile **4g**

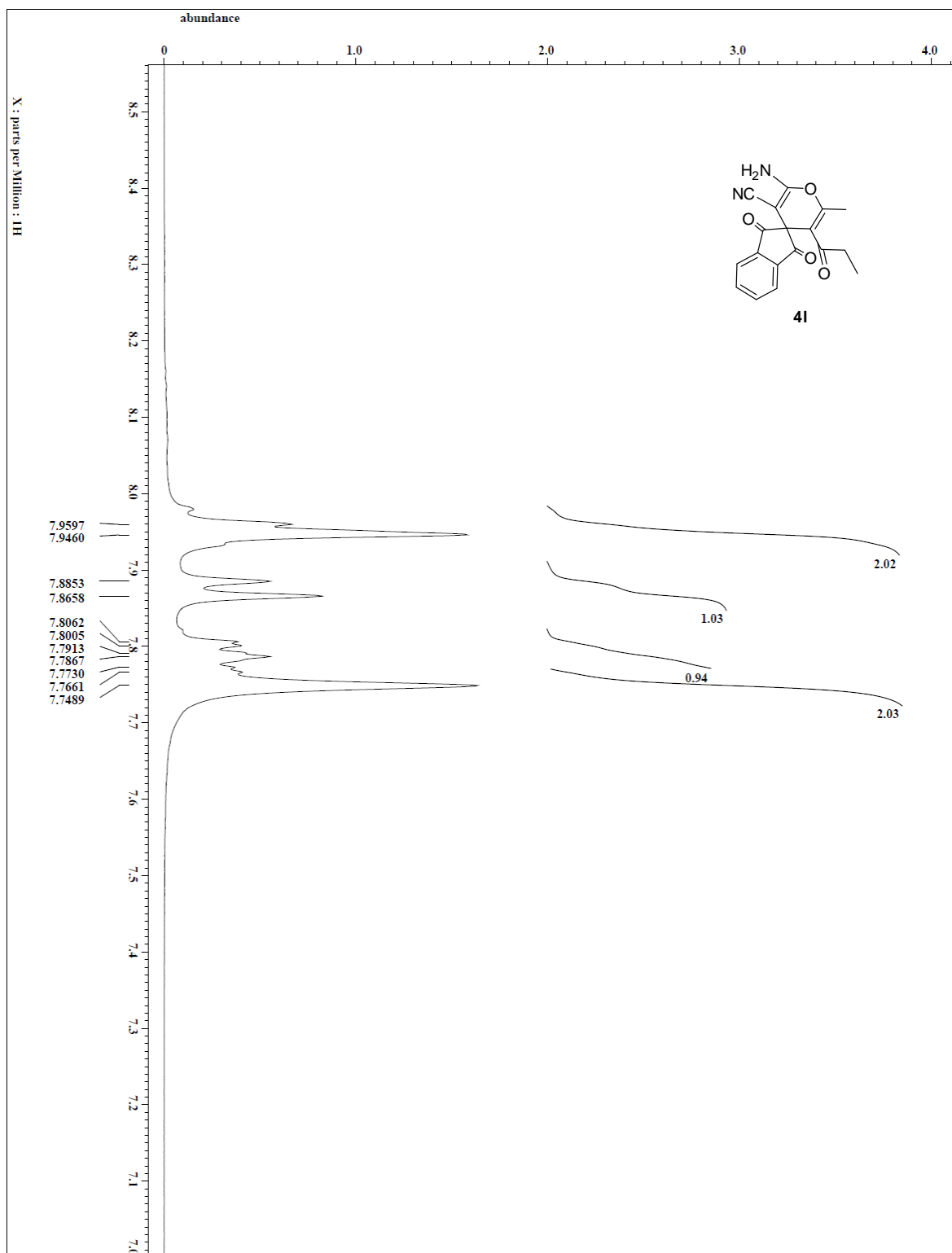


4g

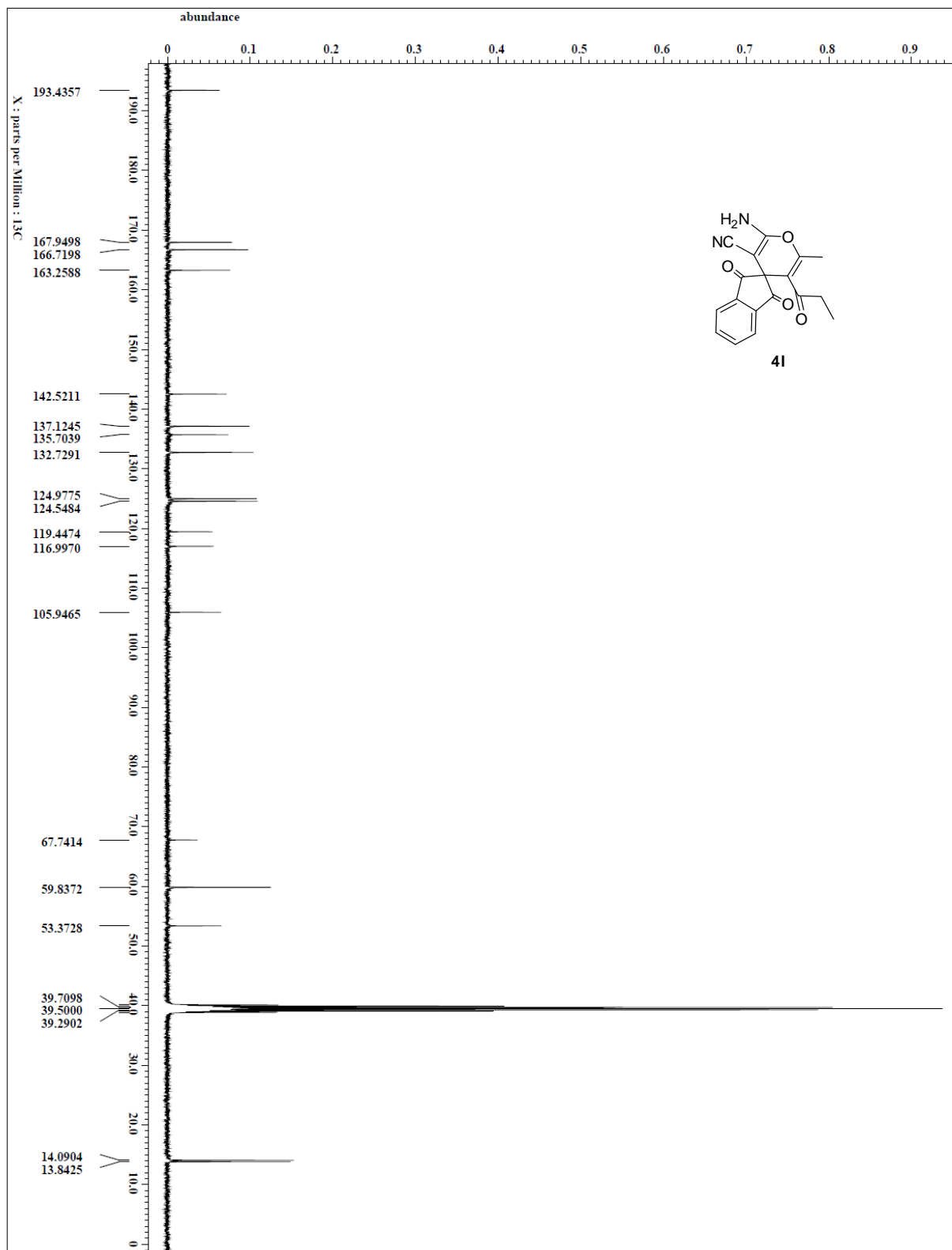


Ethyl 2'-amino-3'-cyano-6'-methyl-1,3-dioxo-1,3-dihydrospiro[indene-2,4'-pyran]-5'-carboxylate **41**

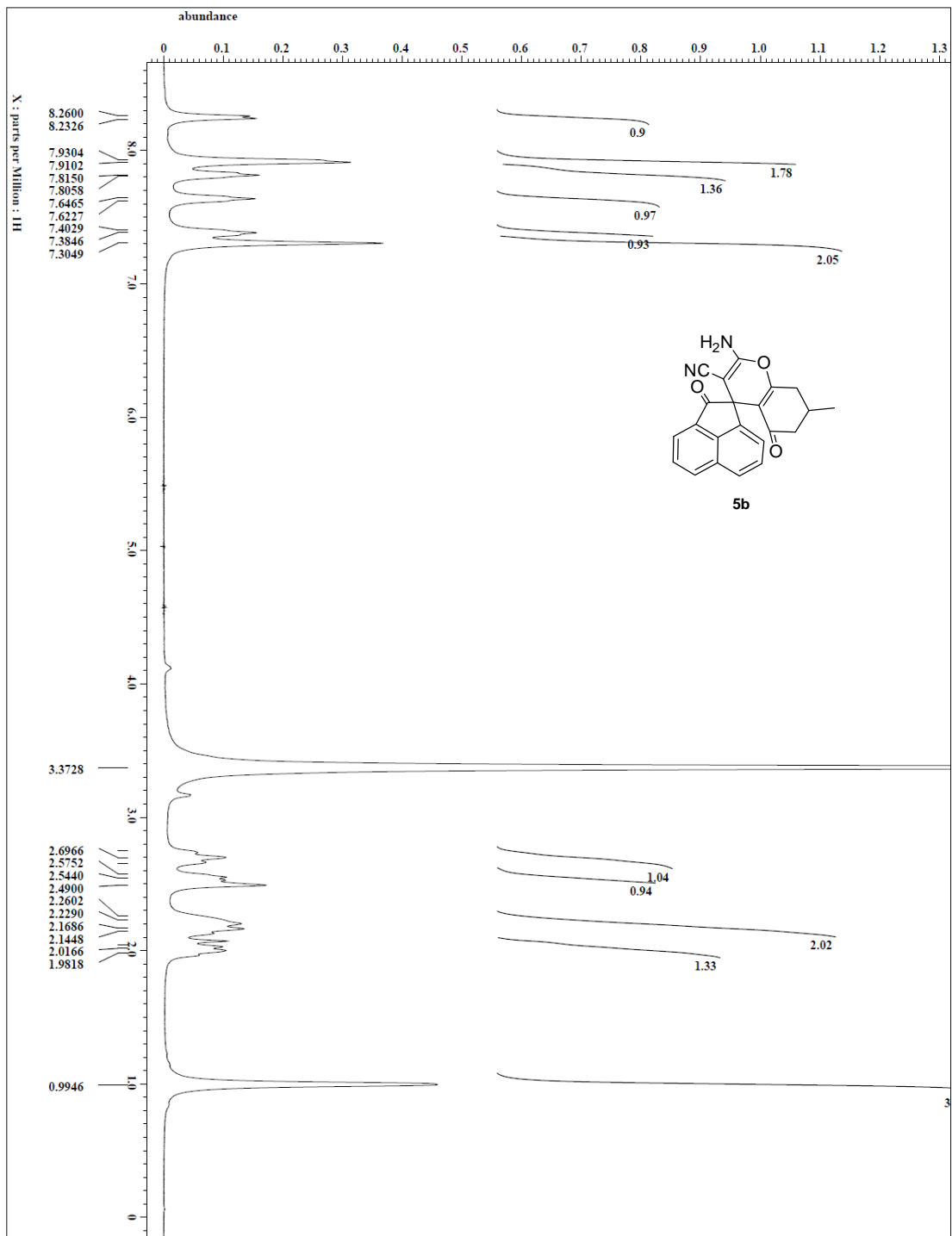




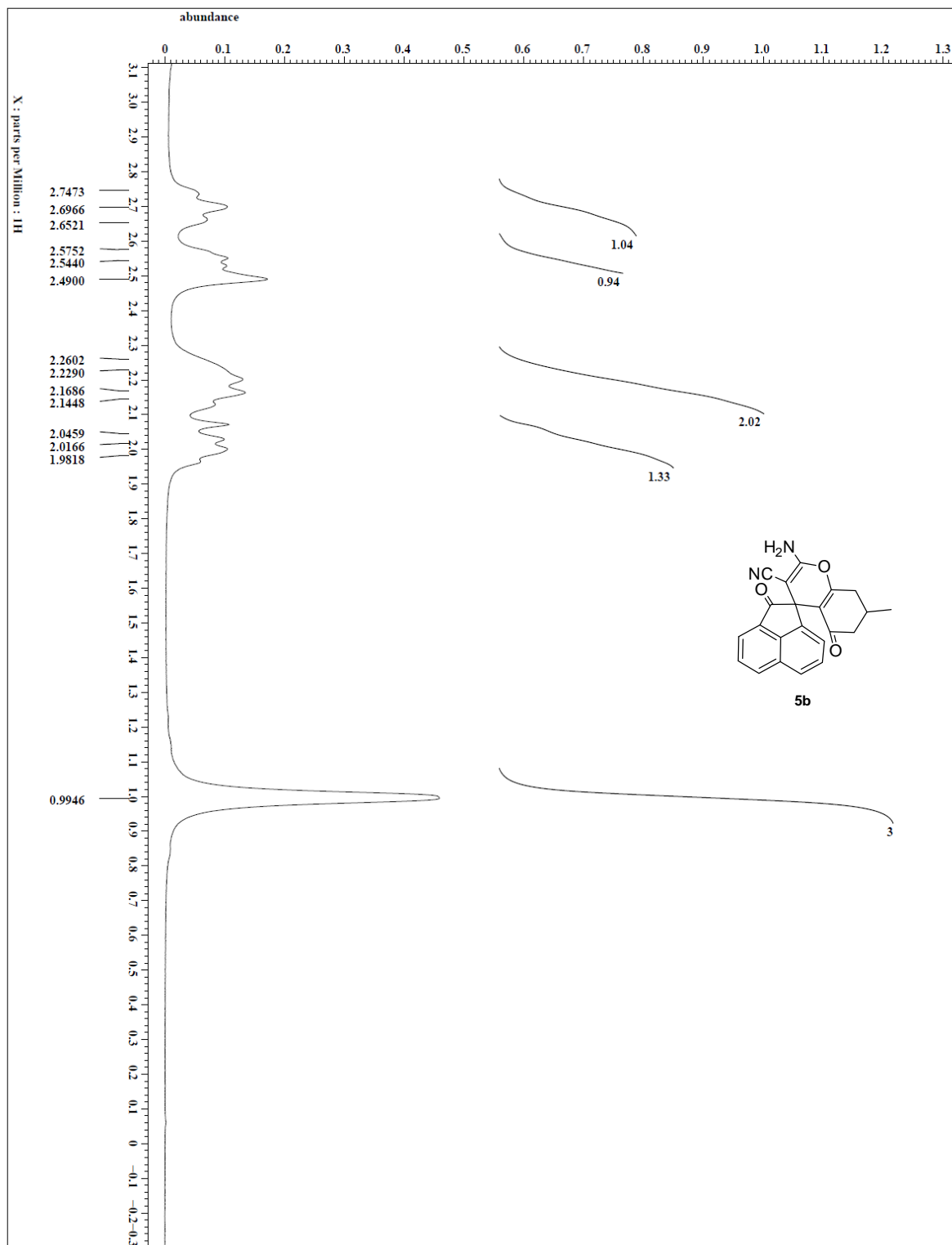
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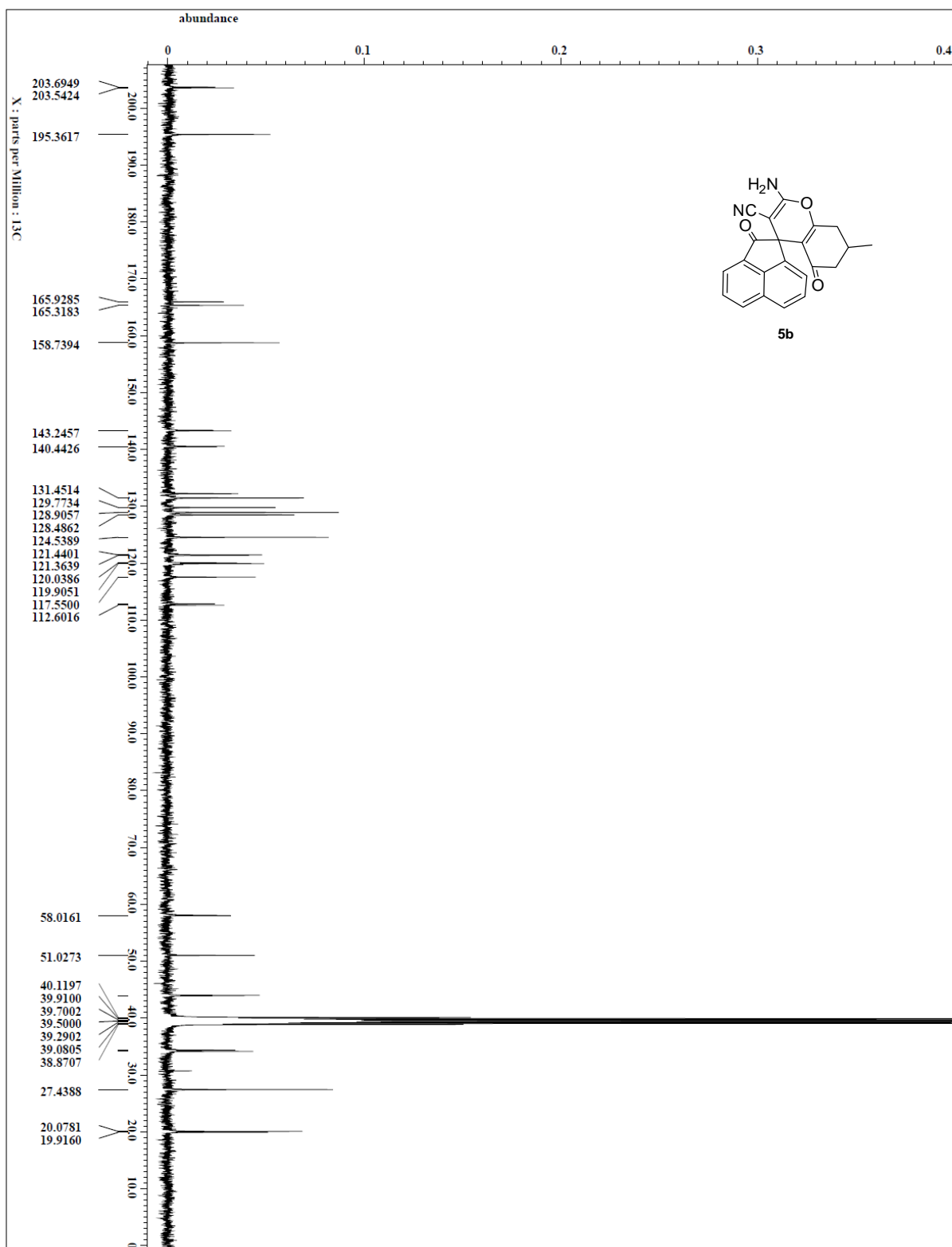
2'-amino-7'-methyl-2,5'-dioxo-5',6',7',8'-tetrahydro-2H-spiro[acenaphthylene-1,4'-chromene]-3'-carbonitrile **5b**



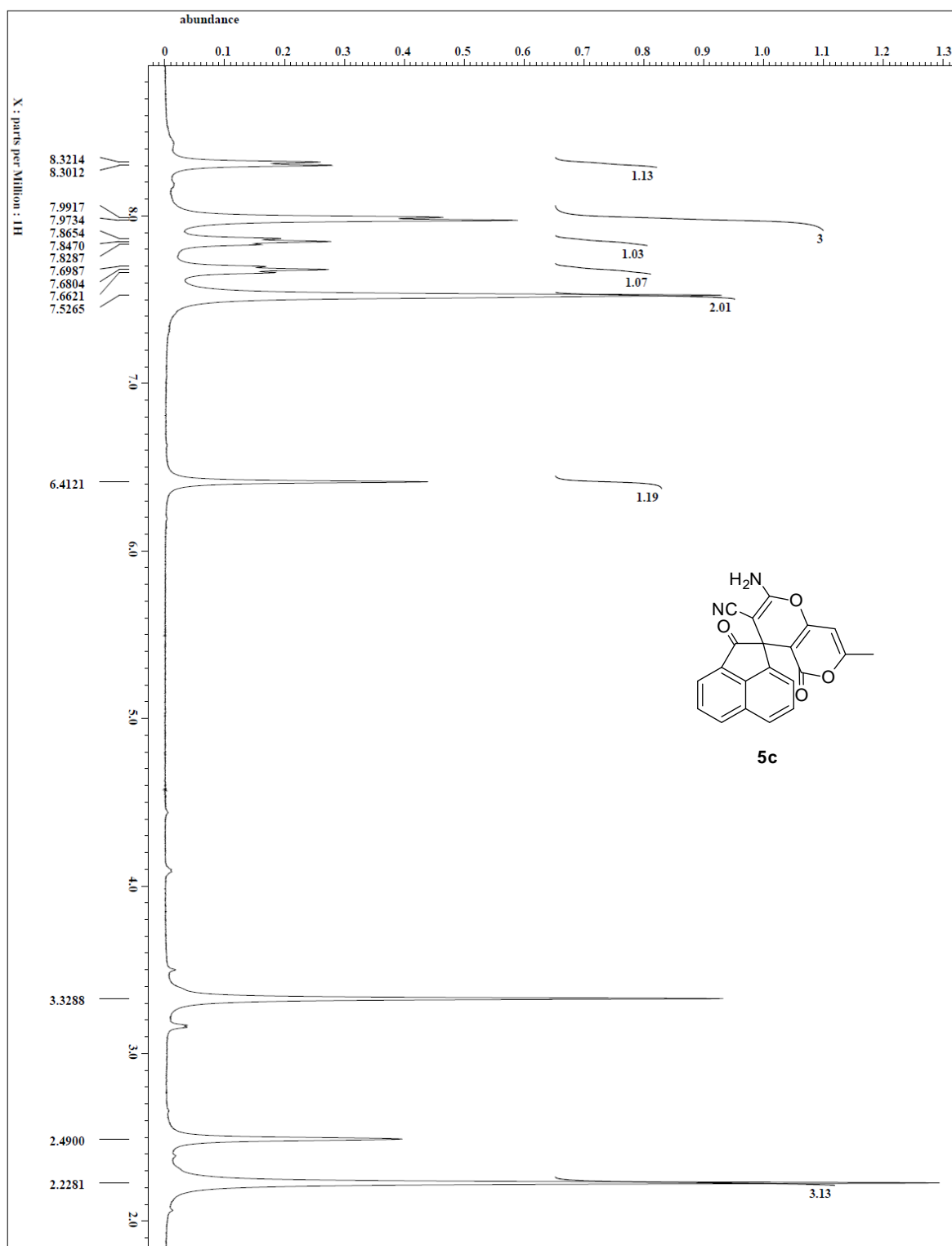
5b



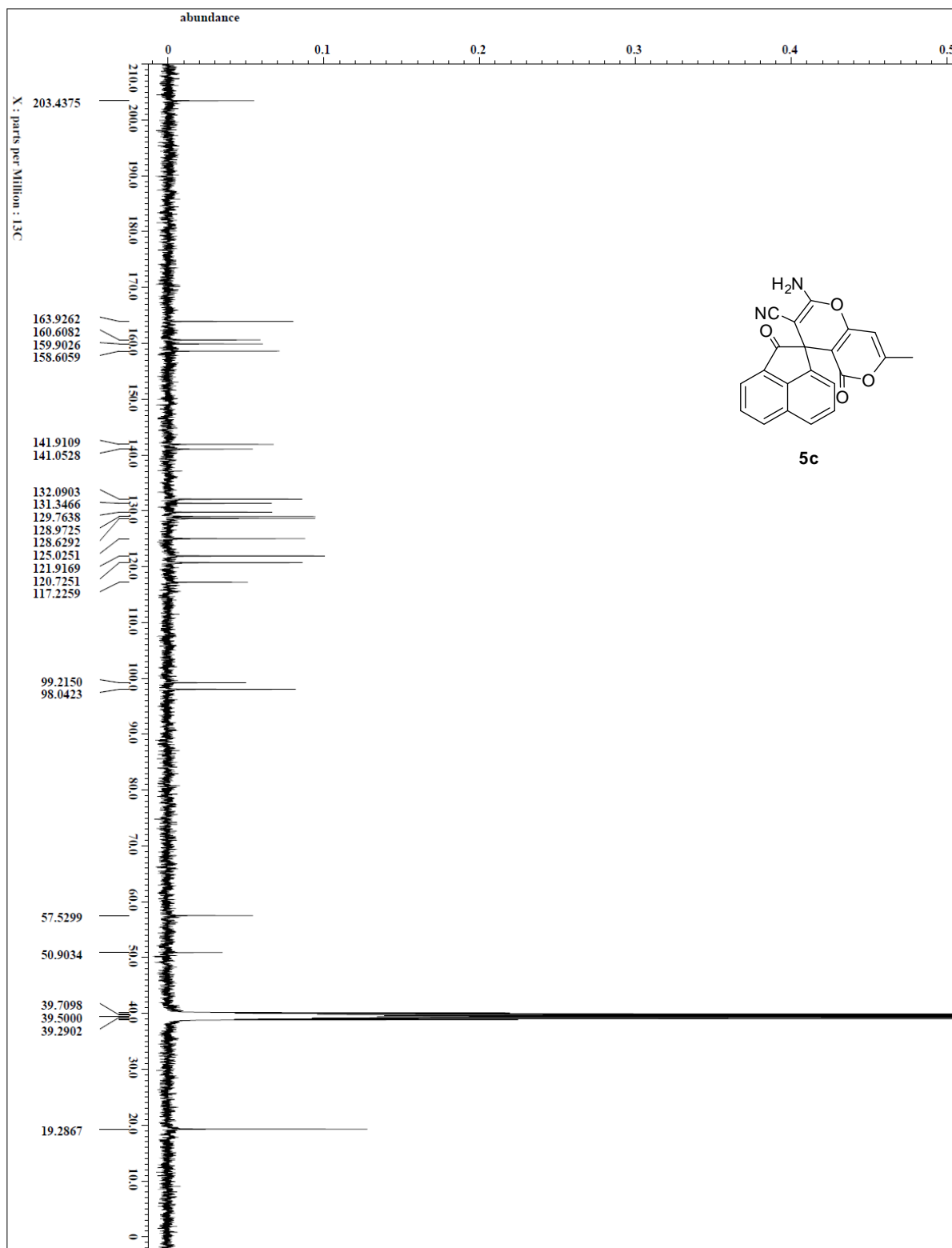
5b



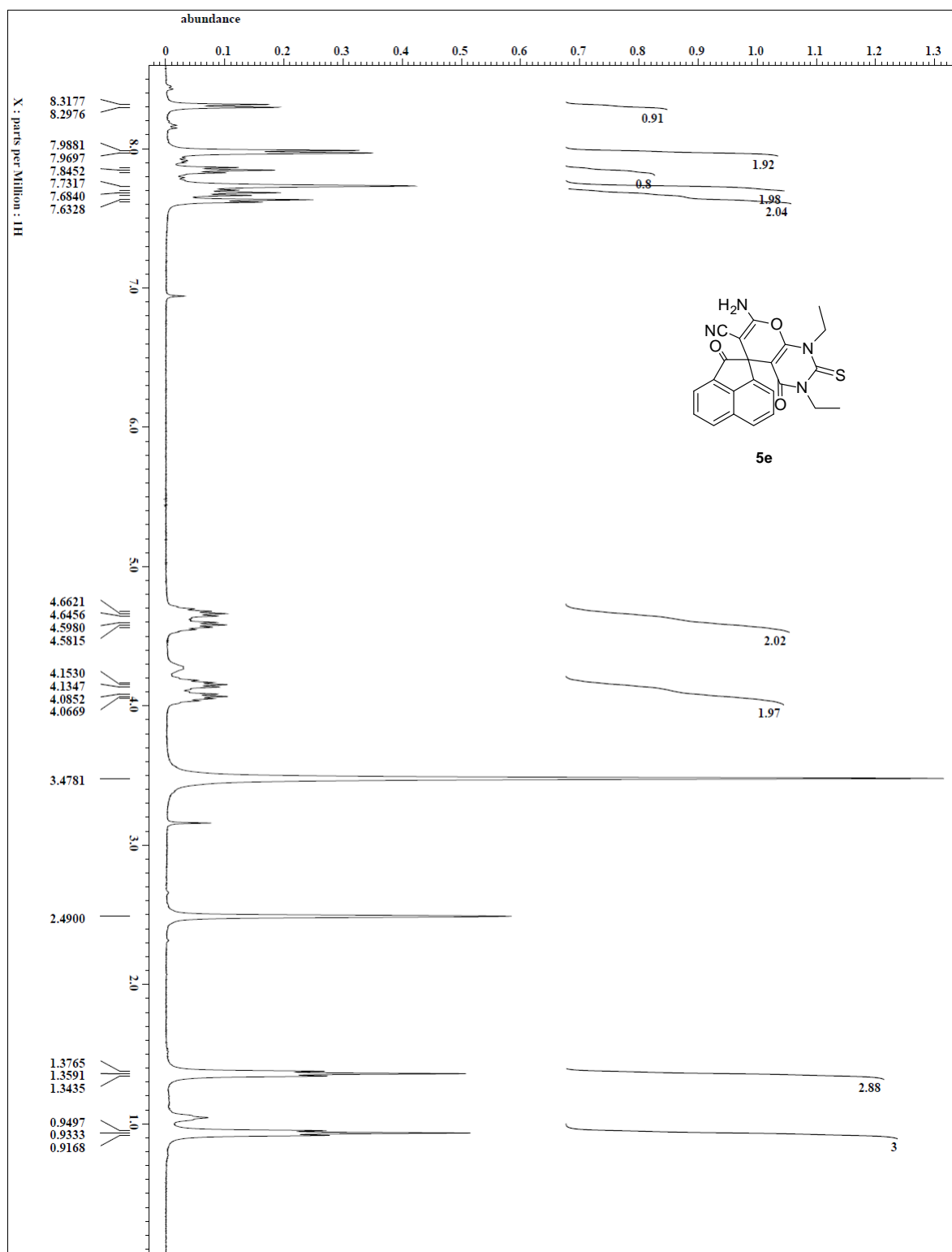
2'-amino-7'-methyl-2,5'-dioxo-2H,5'H-spiro[acenaphthylene-1,4'-pyrano[4,3-b]pyran]-3'-carbonitrile **5c**



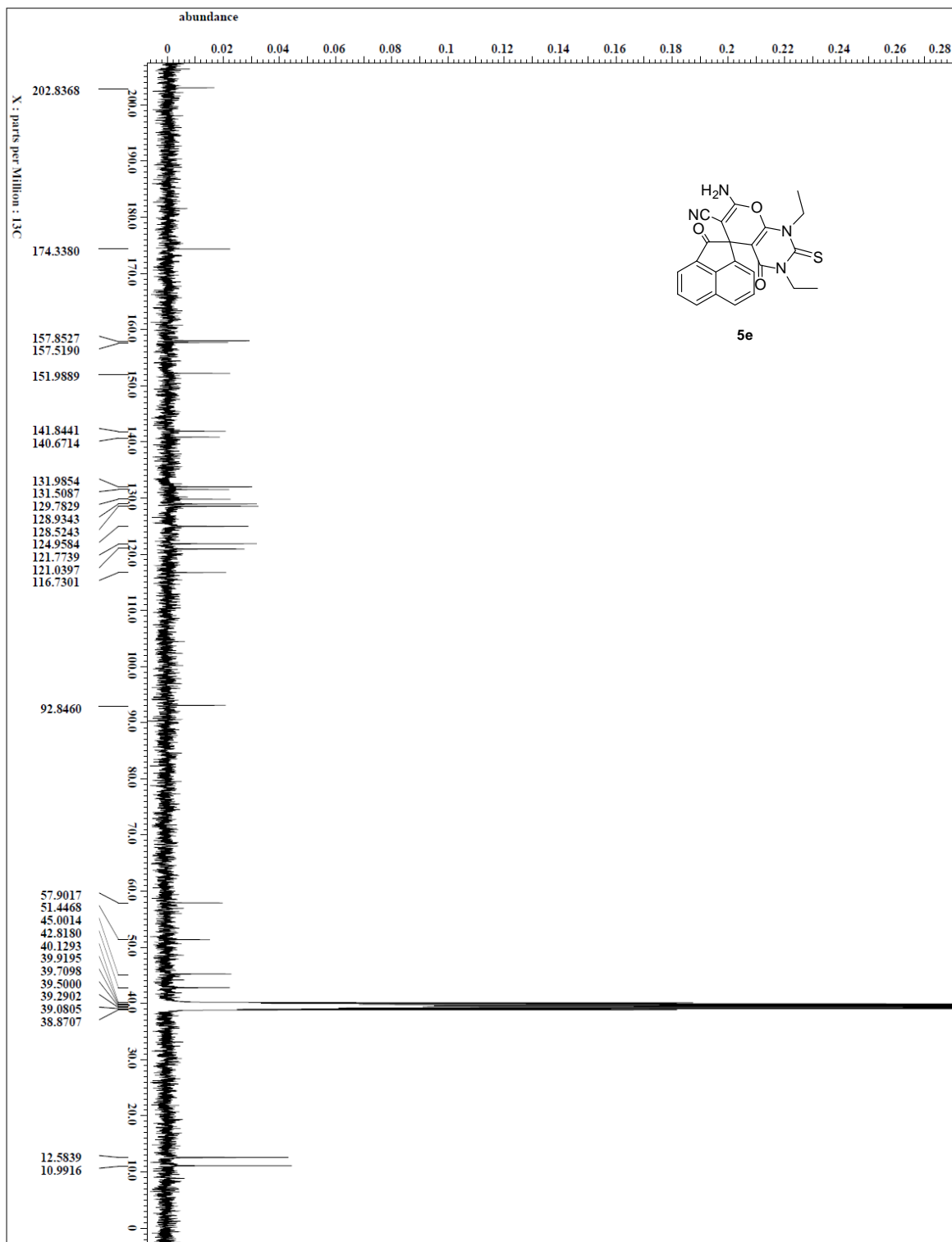
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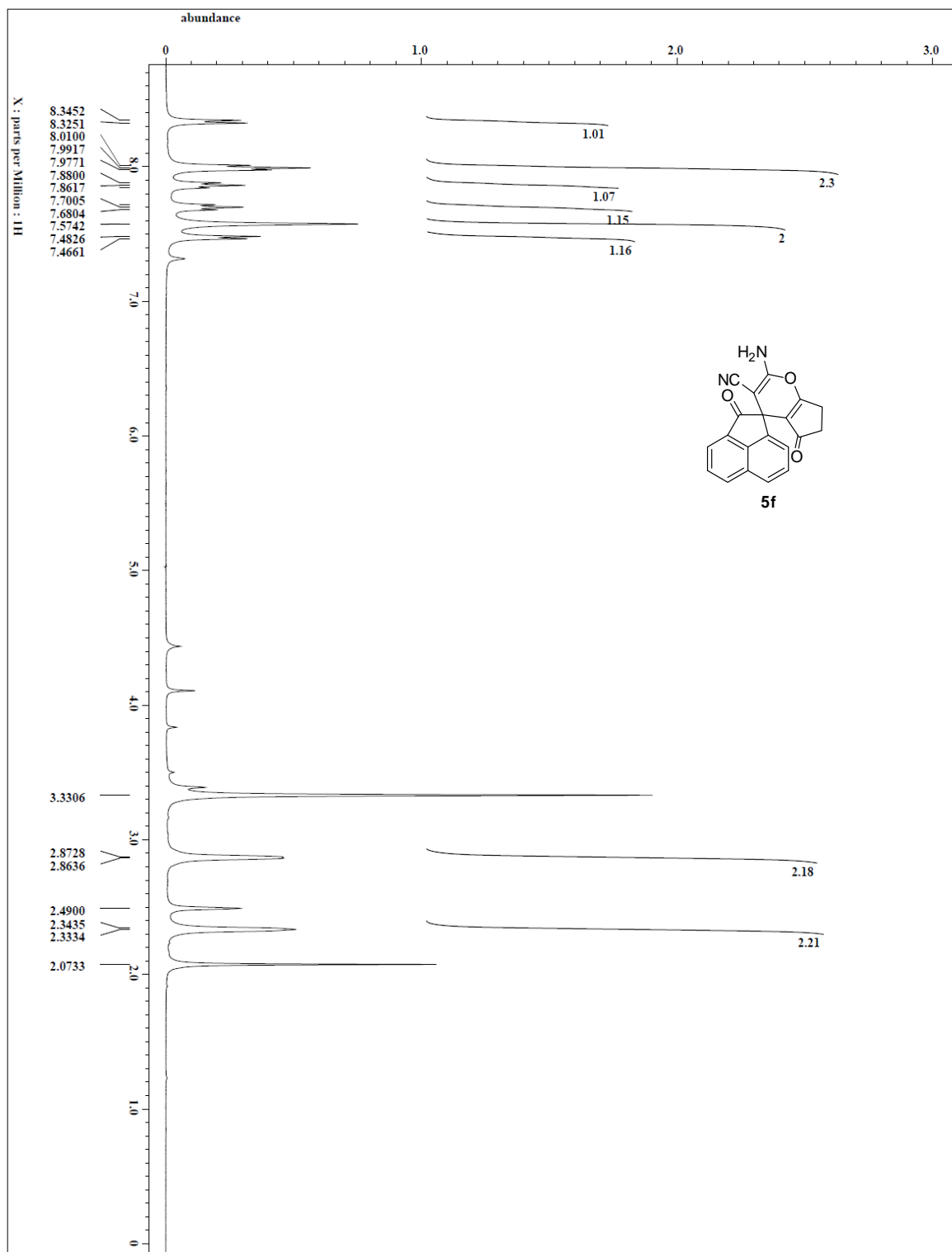
7'-amino-1',3'-diethyl-2,4'-dioxo-2'-thioxo-1',2',3',4'-tetrahydro-2H
spiro[acenaphthylene-1,5'-pyrano[2,3-d]pyrimidine]-6'-carbonitrile **5e**



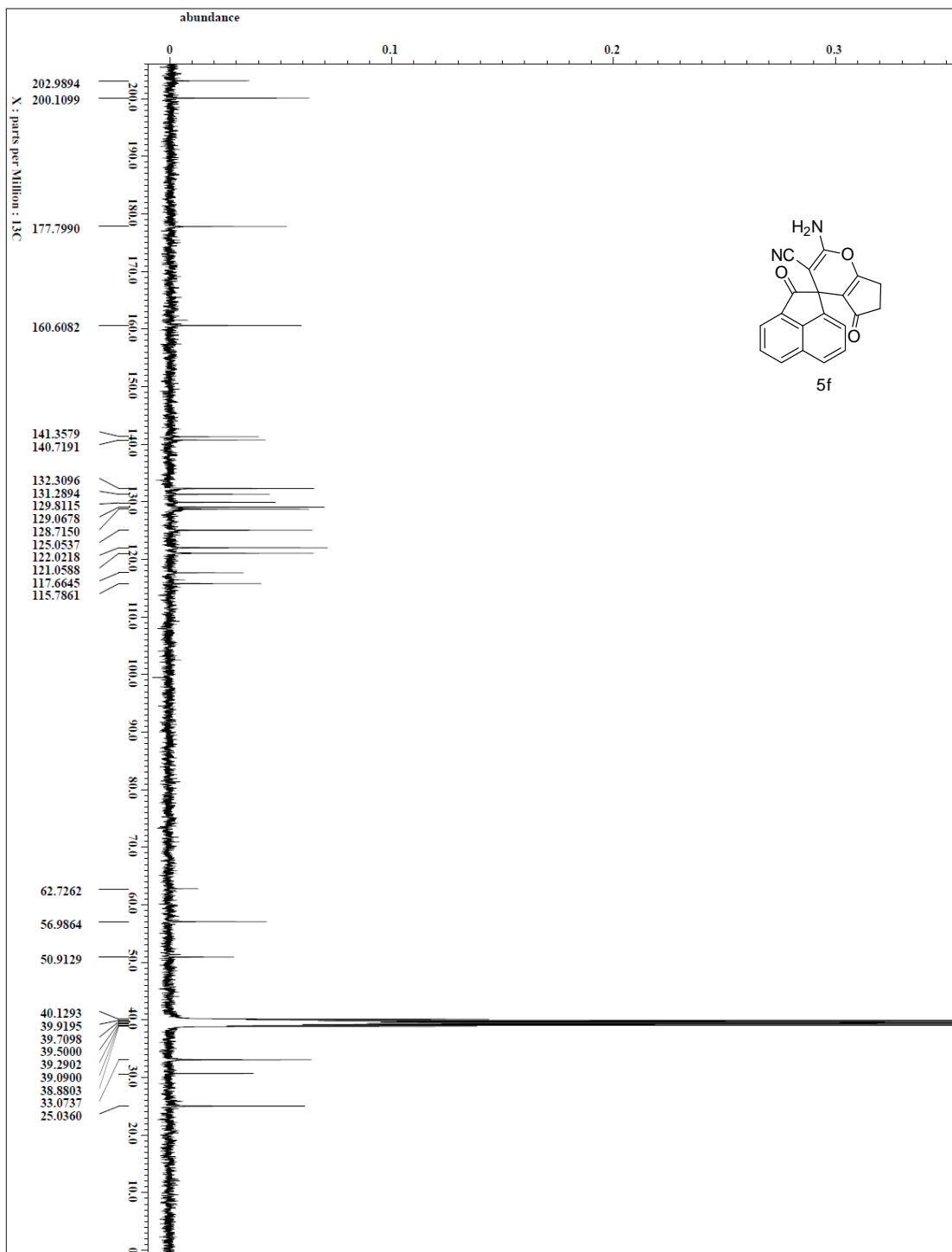
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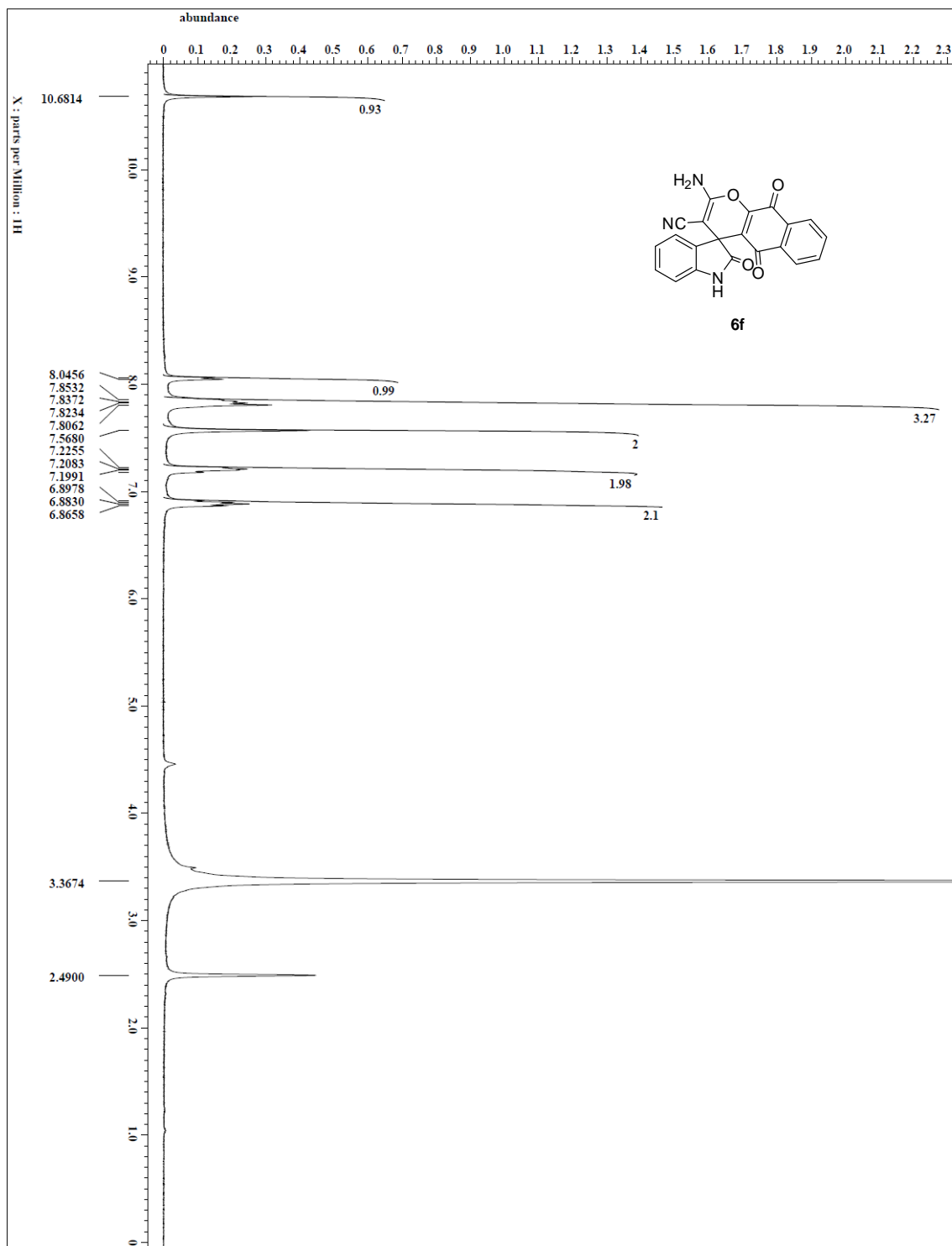
2'-amino-2,5'-dioxo-6',7'-dihydro-2H,5'H-spiro[acenaphthylene-1,4'-cyclopenta[b]pyran]-3'-carbonitrile **5f**



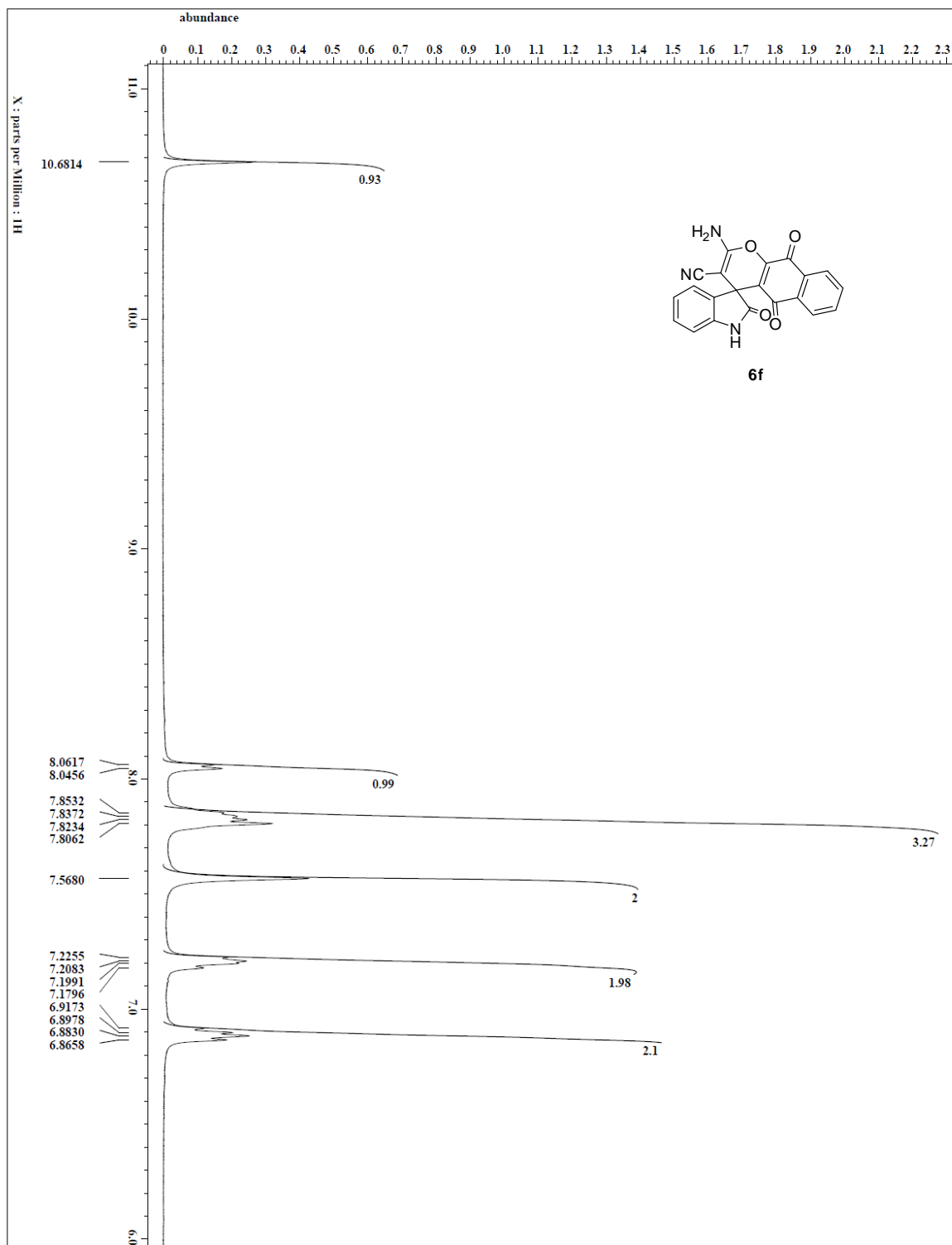
5f



2-amino-2',5,10-trioxo-5,10-dihydrospiro[benzo[g]chromene-4,3'-indoline]-3-carbonitrile **6f**



6f



6f

