Supplementary Material

Alternative conditions for the synthesis of novel spiro[1,3-*N*,*N*-heterocyclic-adamantanes]

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Contents: Copies of the ^{1}H and ^{13}C NMR spectra

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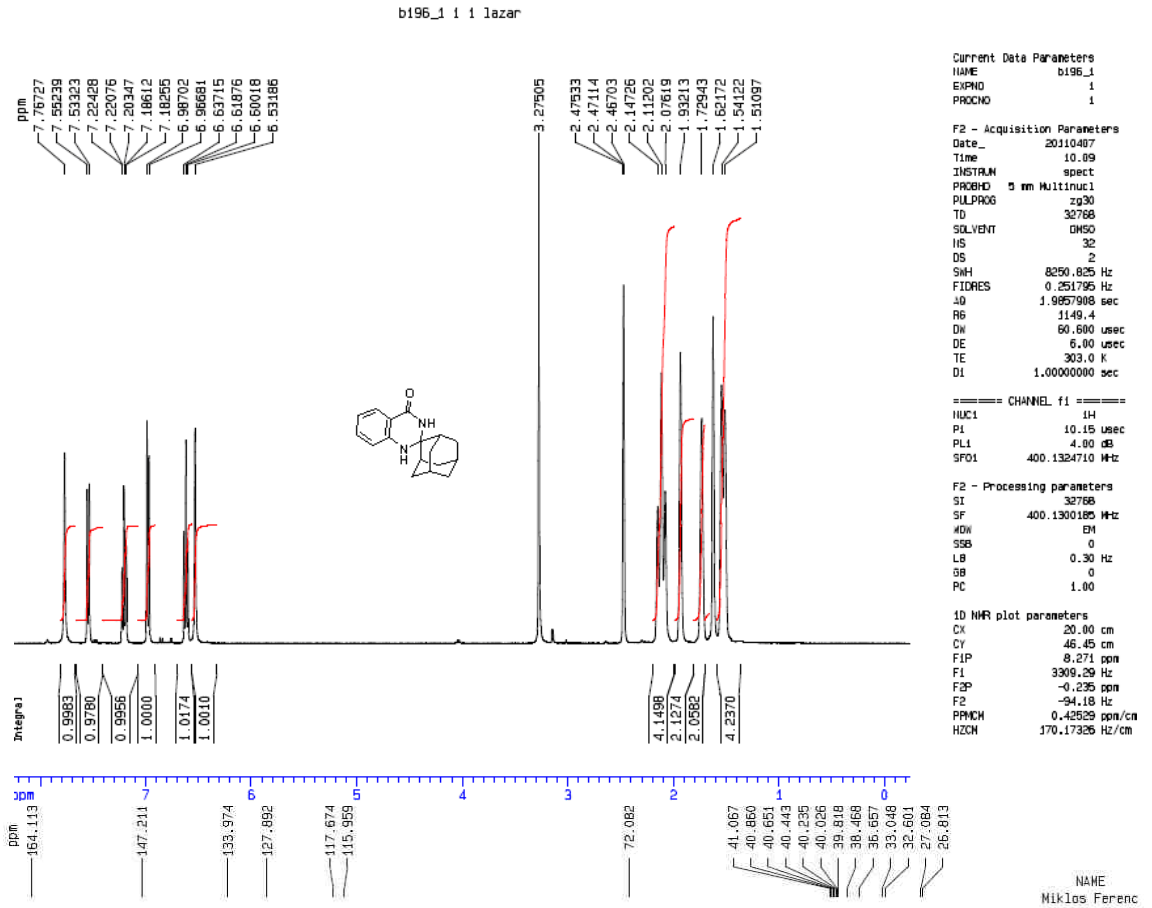
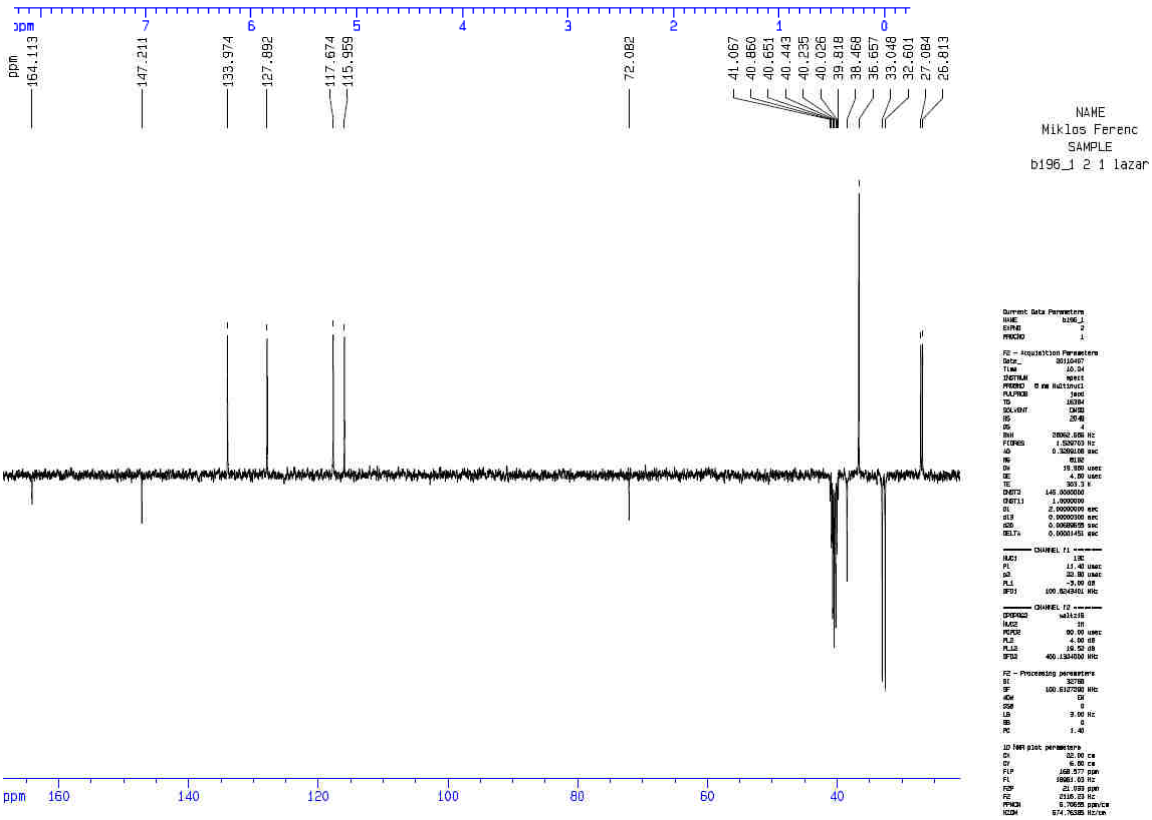
Spiro[tricyclo[3.3.1.1^{3,7}]decane-2,2'(1'*H*)-quinazolin]-4'(3'*H*)-one (3a)





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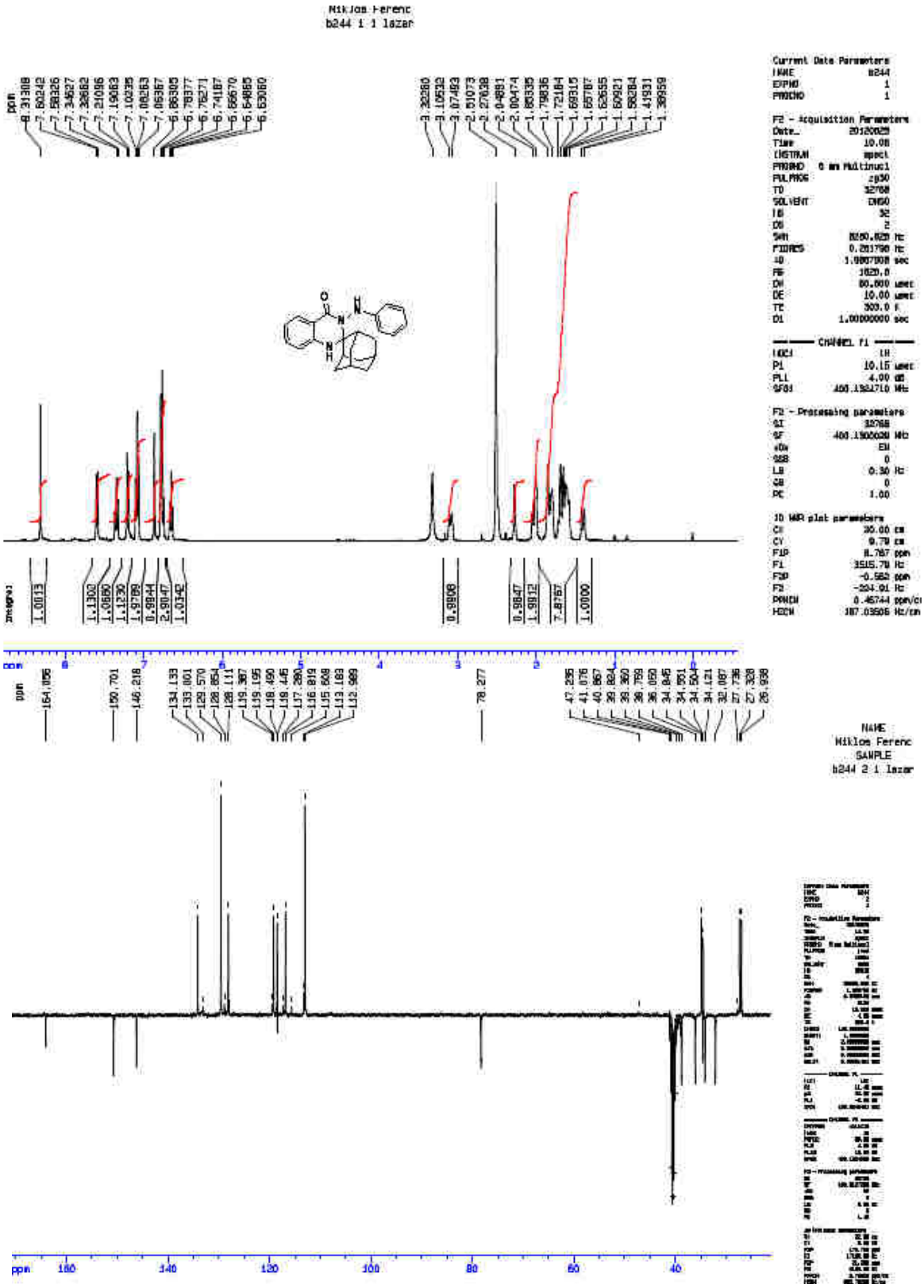
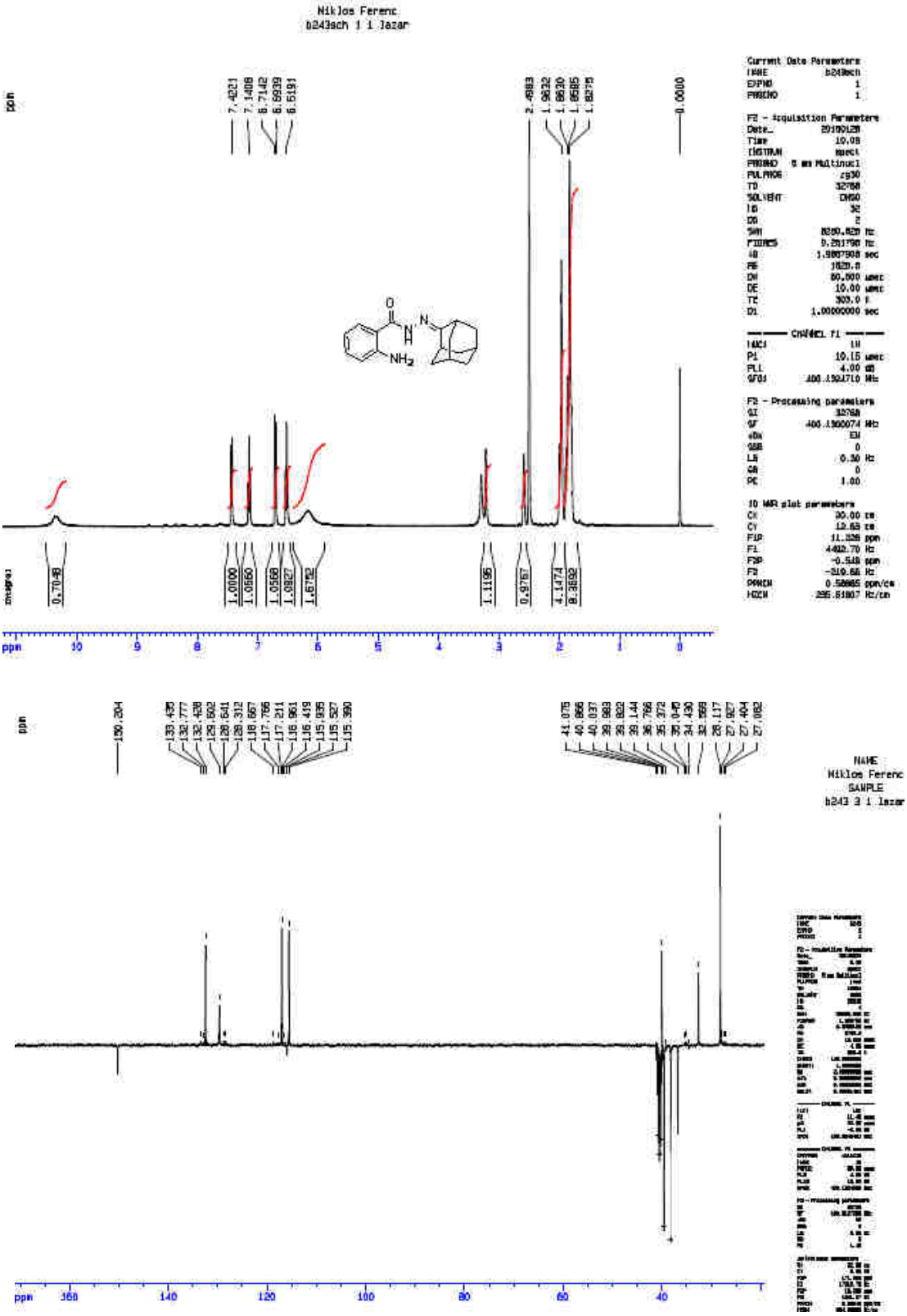
3'-(Phenylamino)-1'*H*-spiro[tricyclo[3.3.1.1^{3,7}]decane-2,2′(1′*H*)-quinazolin]-4′(3′*H*)-one (3b)



2-Amino-*N'*-tricyclo[3.3.1.1^{3,7}]decanylidenebenzohydrazide (3c)



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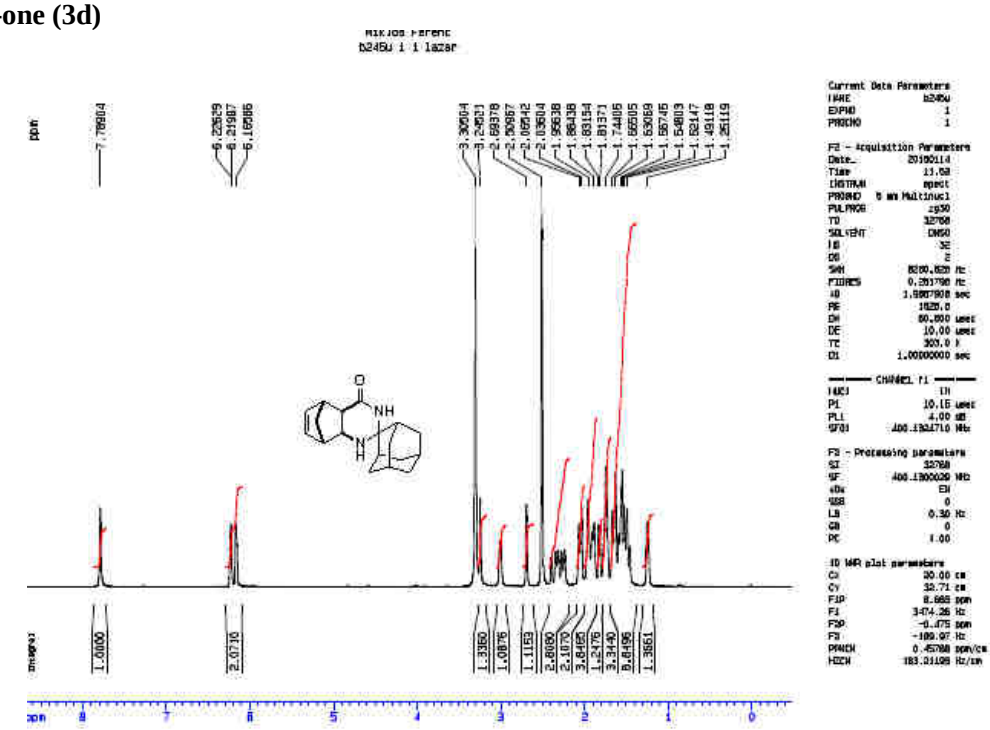
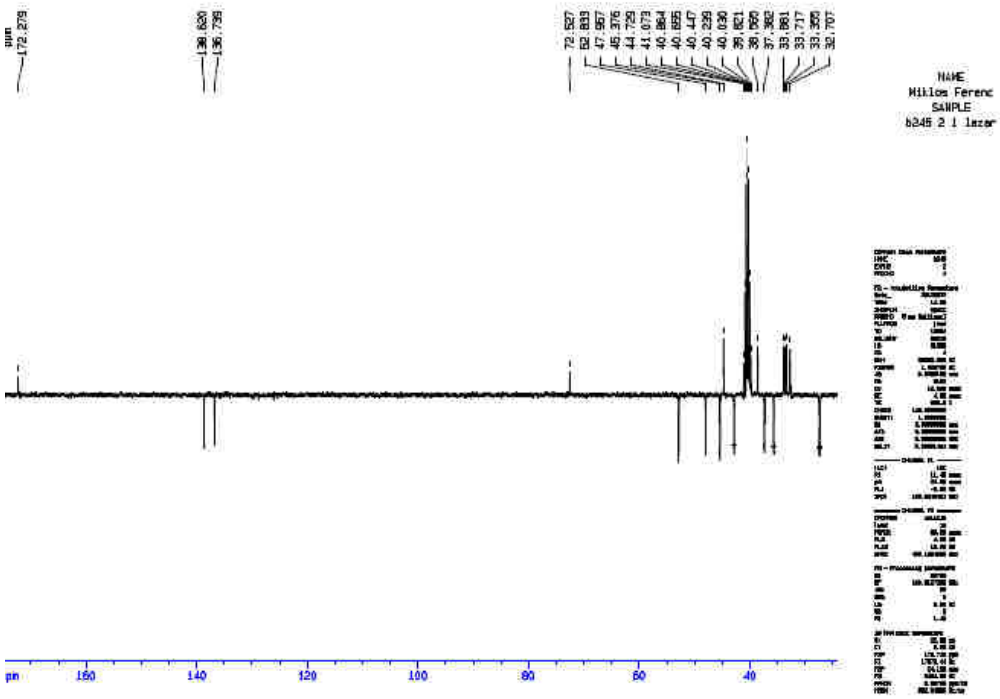
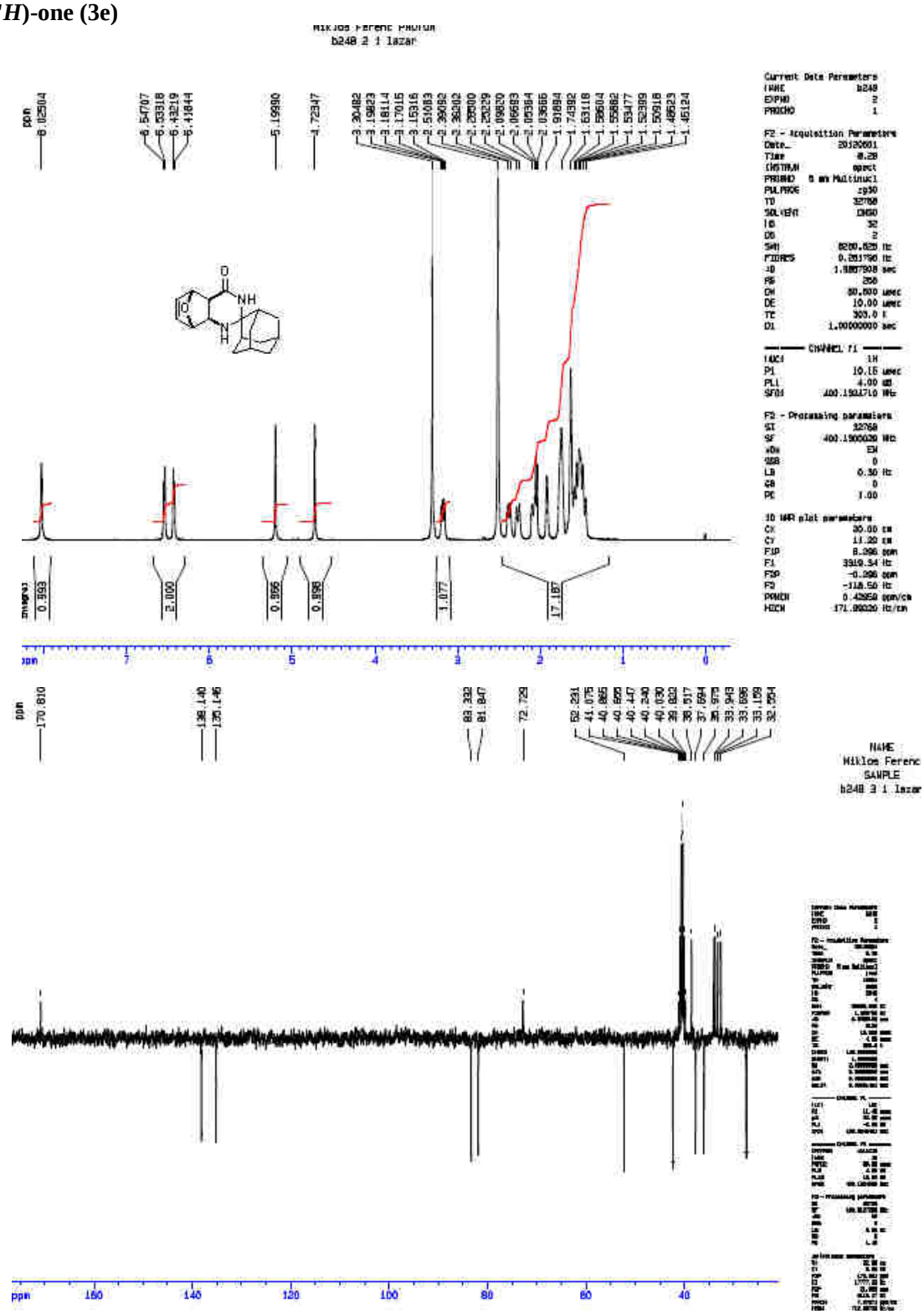
***diexo*-5',8'-Methano-4a',5',8',8a'-tetrahydro-1'*H*-spiro[tricyclo[3.3.1.1^{3,7}]decane-2,2'-quinazolin]-4'(3'*H*)-one (3d)**

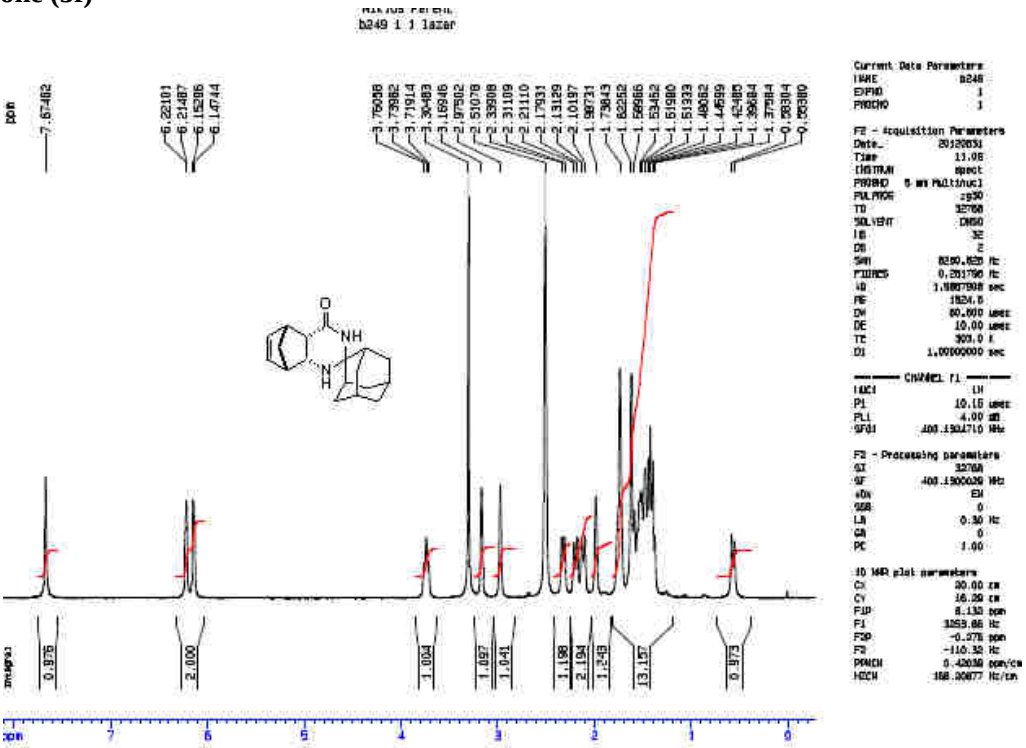


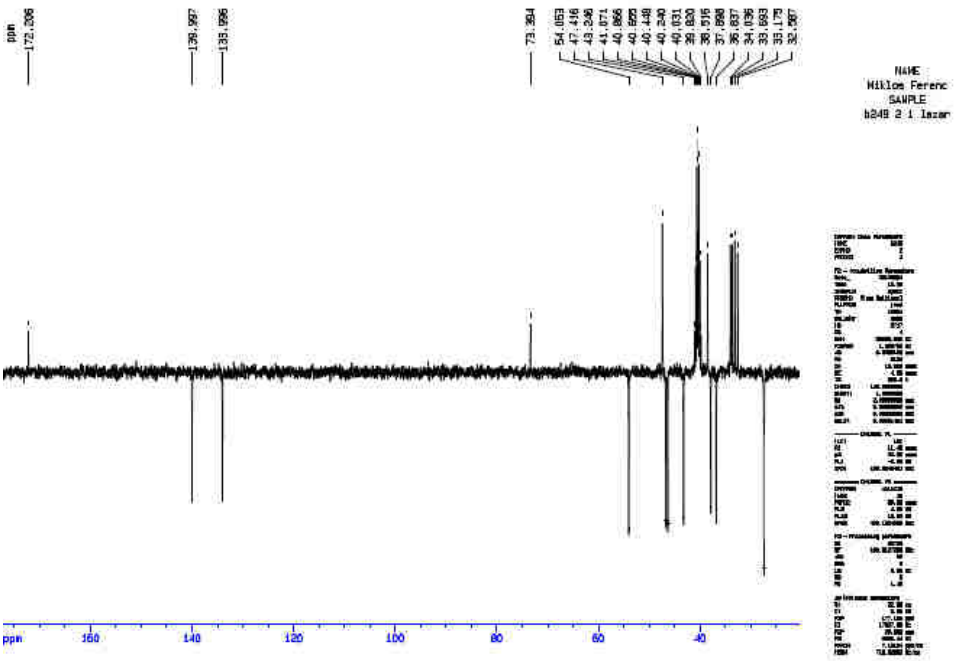


***diexo*-5',8'-Epoxy-4a',5',8',8a'-tetrahydro-1'*H*-spiro[tricyclo[3.3.1.1^{3,7}]decane-2,2'-quinazolin]-4'(3'*H*)-one (3e)**

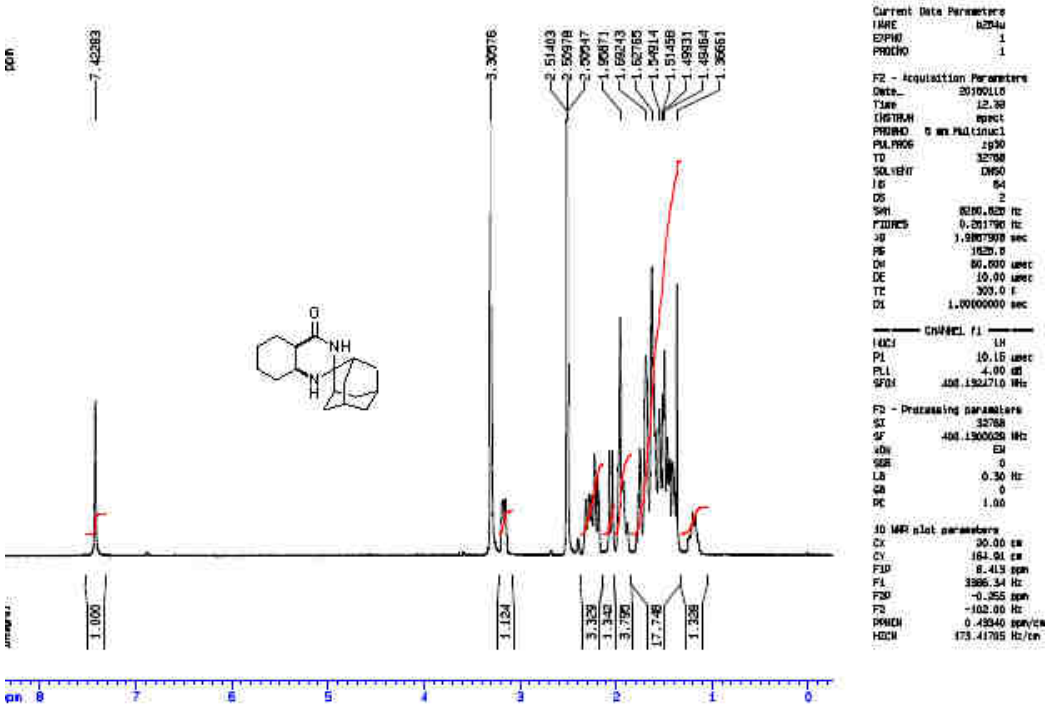


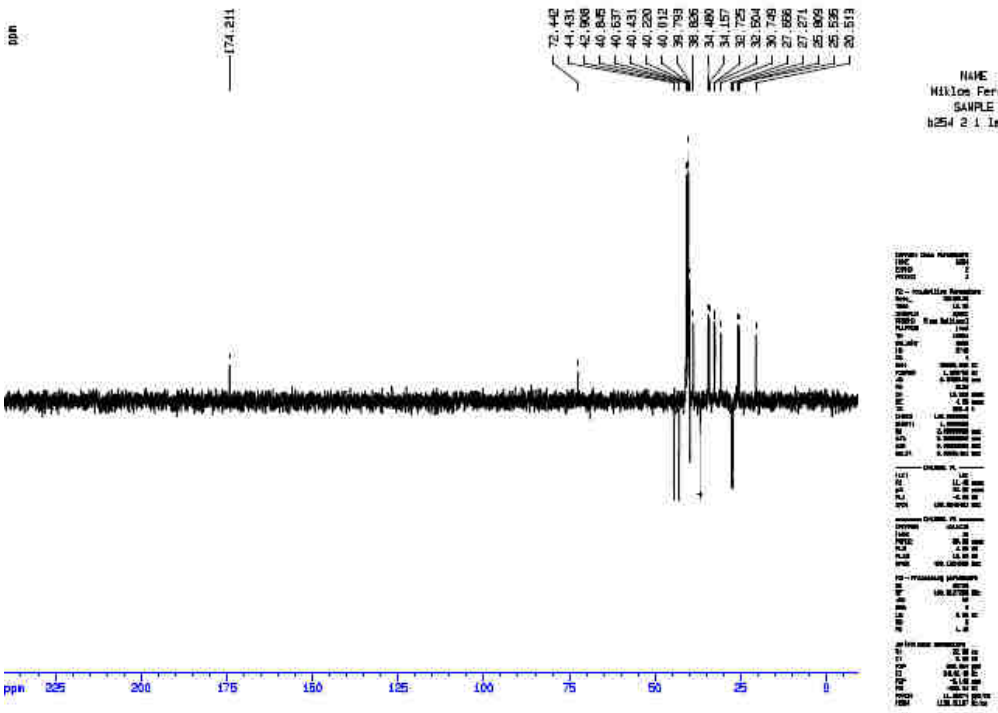
***diendo*-5',8'-Methano-4a',5',8',8a'-tetrahydro-1'*H*-spiro[tricyclo[3.3.1.1^{3,7}]decane-2,2'-quinazolin]-4'(3'*H*)-one (3f)**



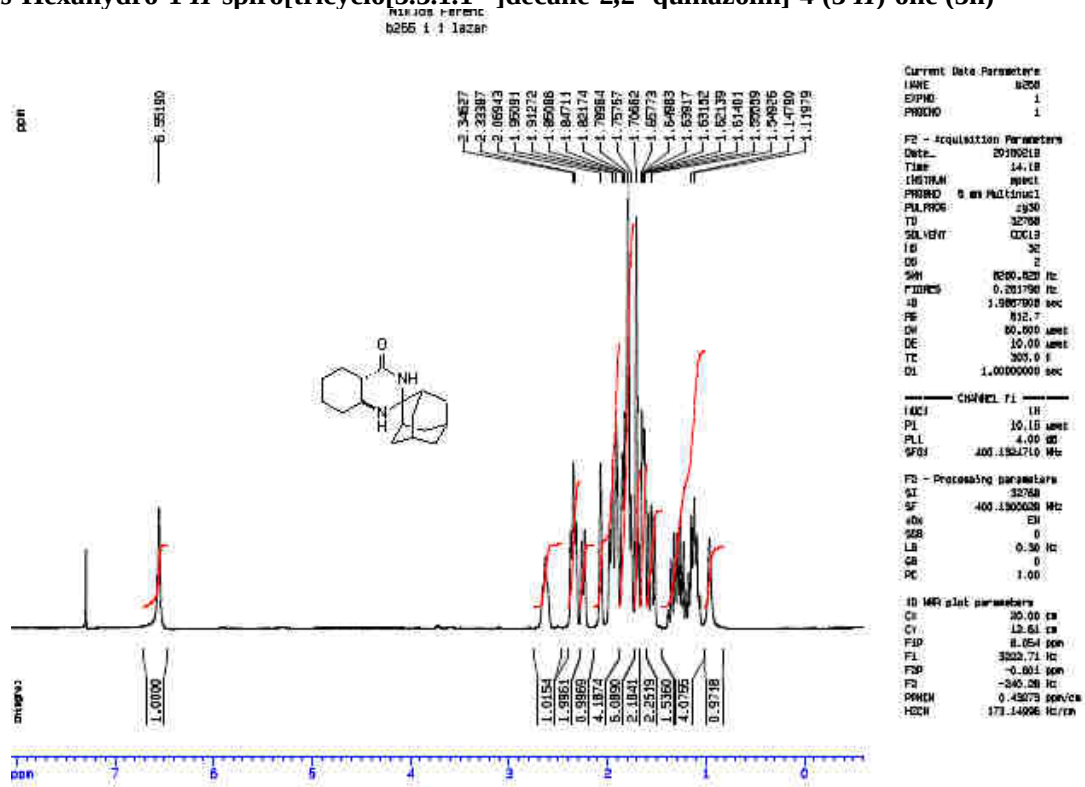


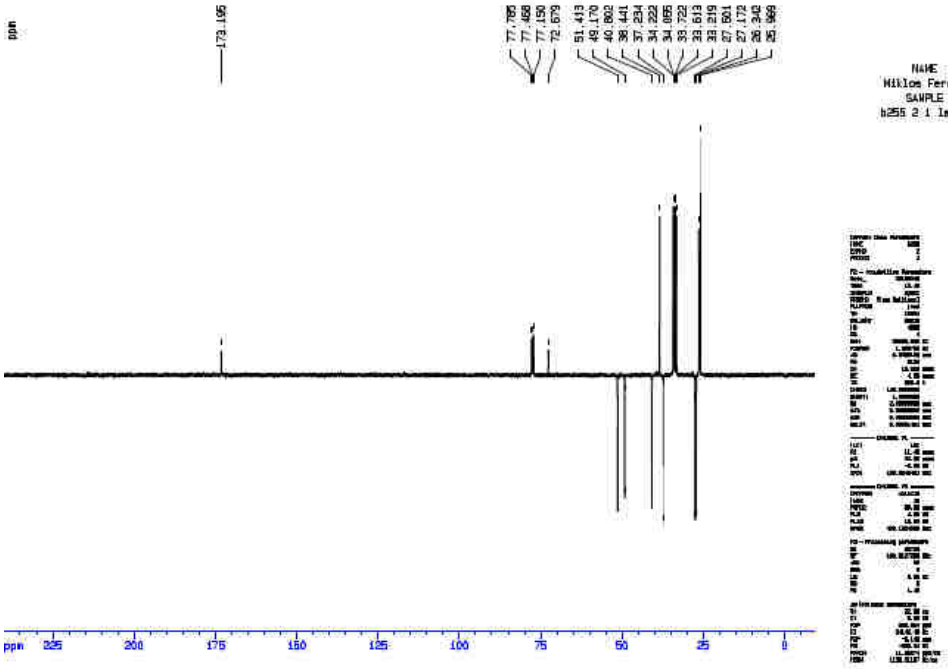
cis-Hexahydro-1'_H_-spiro[tricyclo[3.3.1.1^{3,7}]decane-2,2'-quinazolin]-4'(3'_H_)-one (3g)



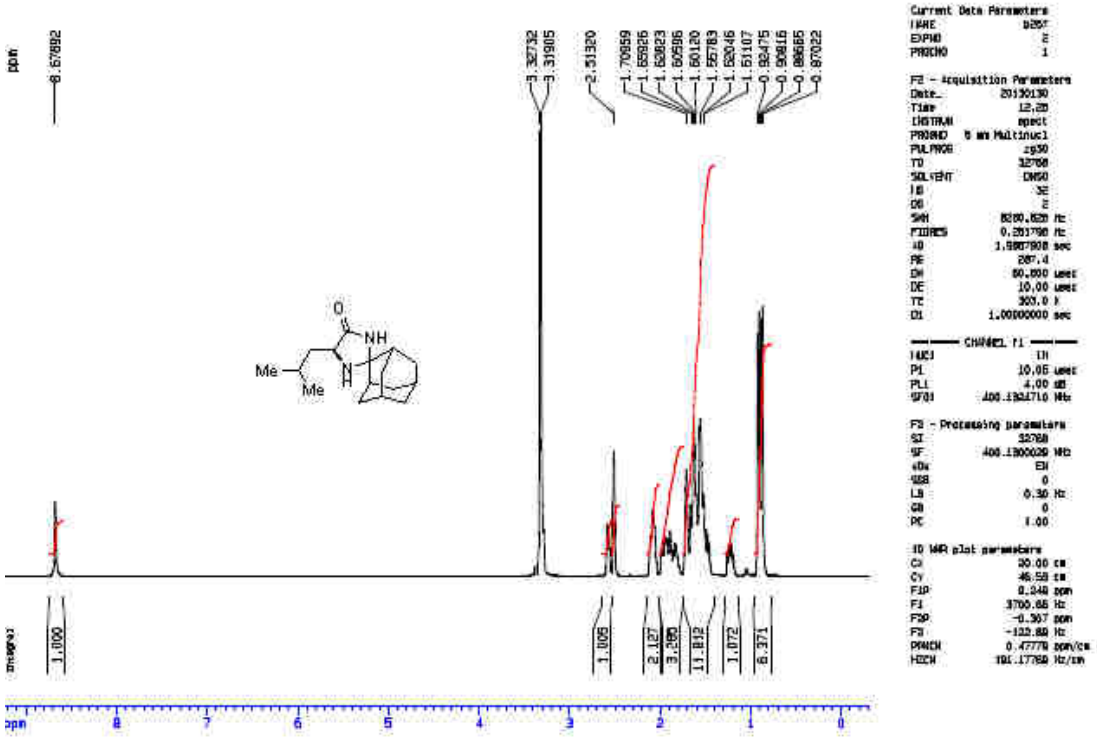


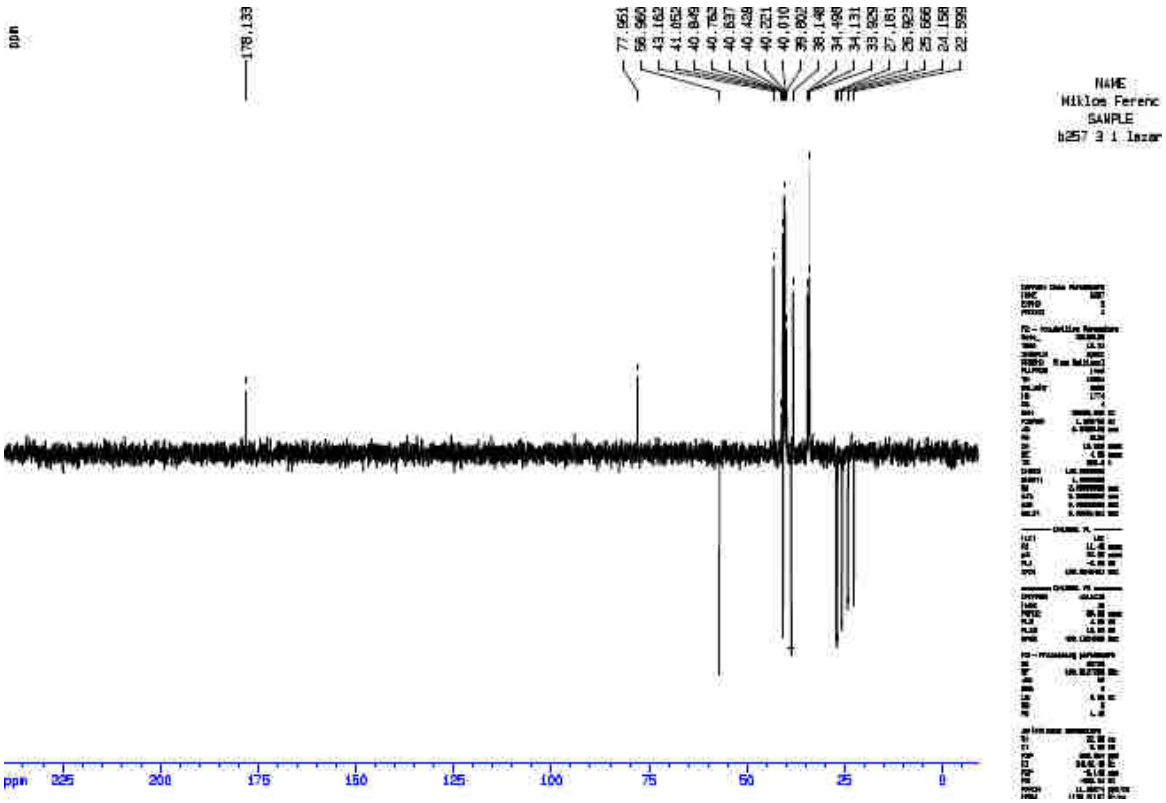
***trans*-Hexahydro-1'*H*-spiro[tricyclo[3.3.1.1^{3,7}]decane-2,2'-quinazolin]-4'(3'*H*)-one (3h)**



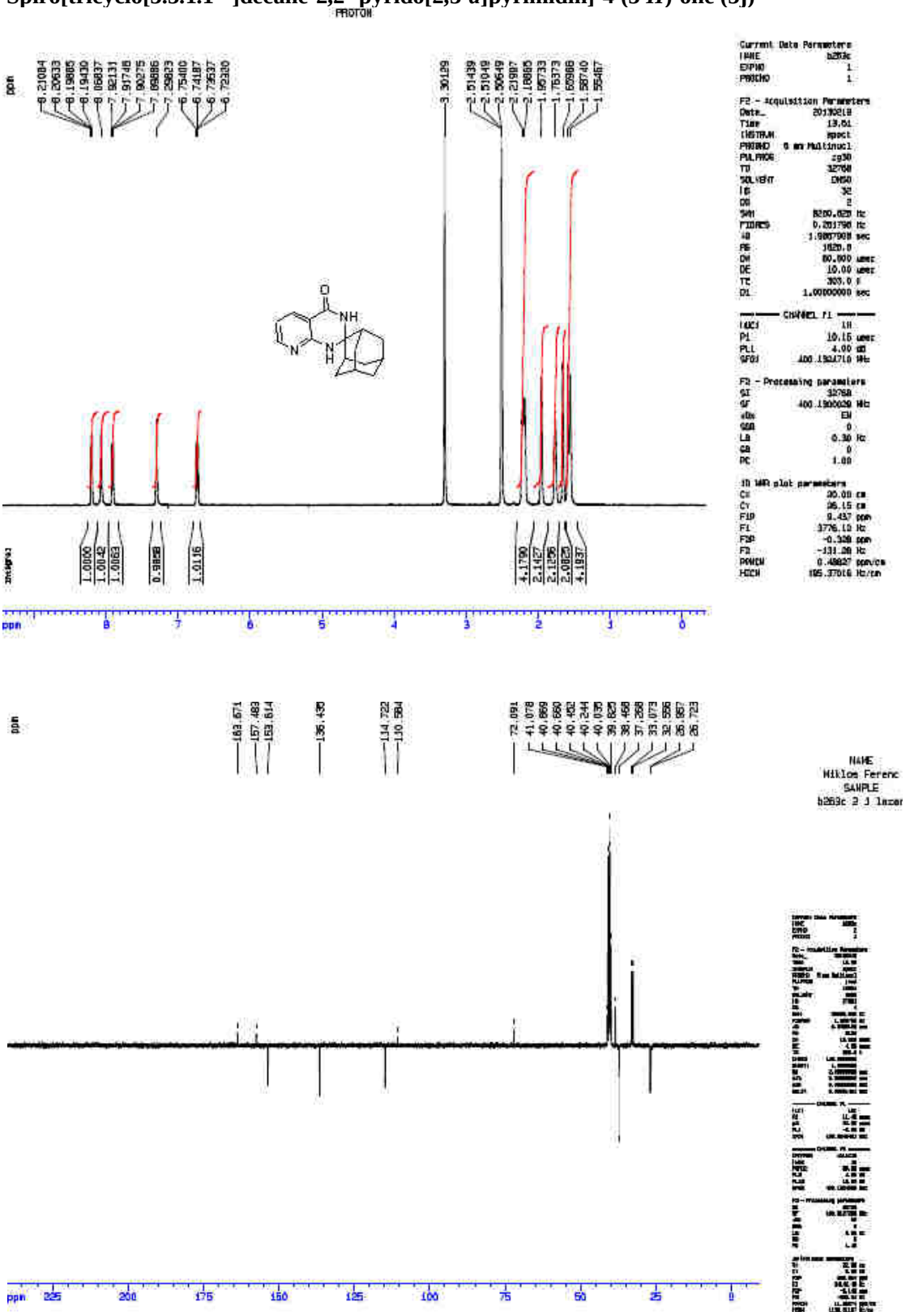


(5'*S*)-5'-Isobutylspiro[tricyclo[3.3.1.1^{3,7}]decane-2,2'-imidazolidin]-4'-one (3i)

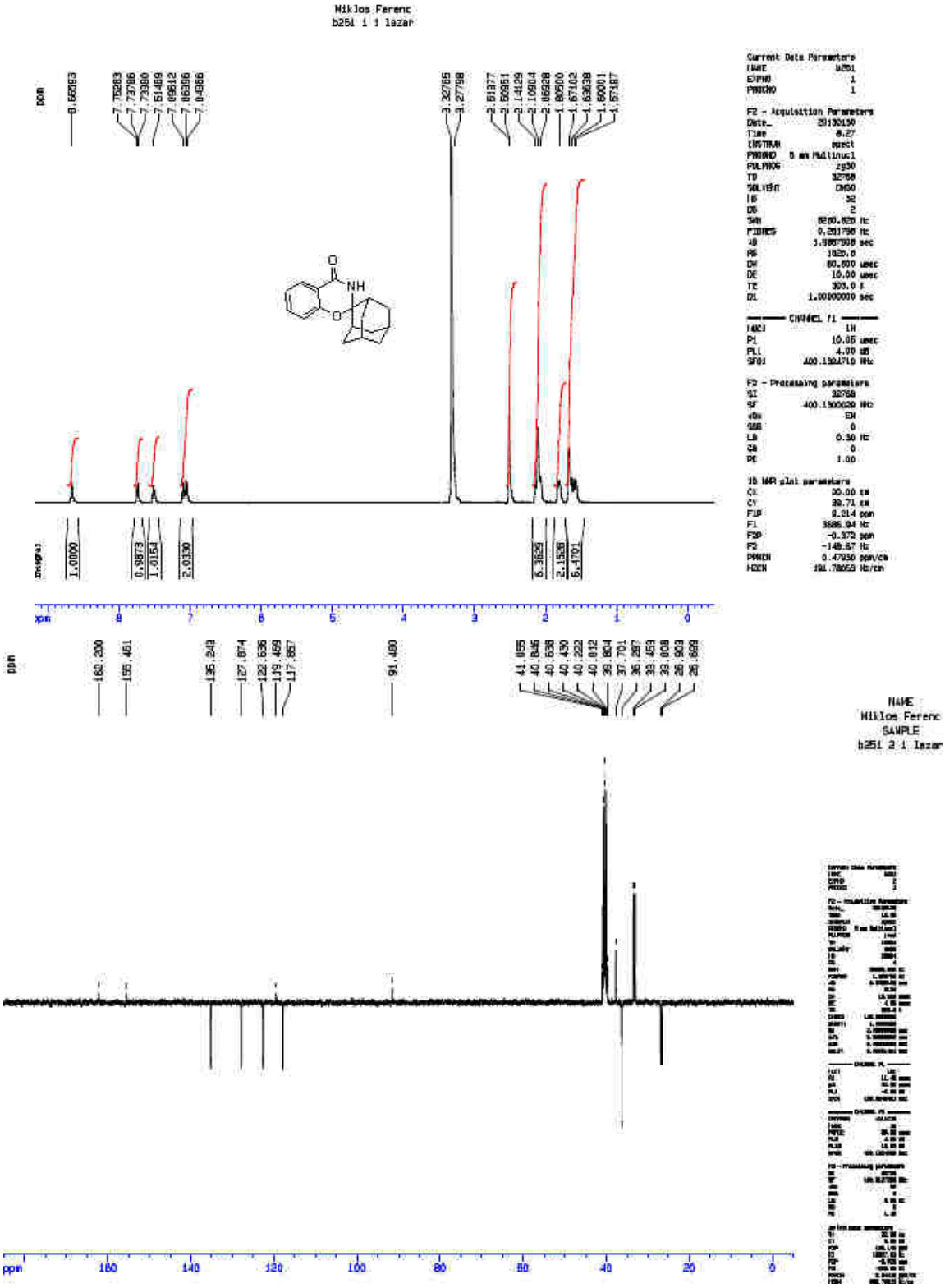
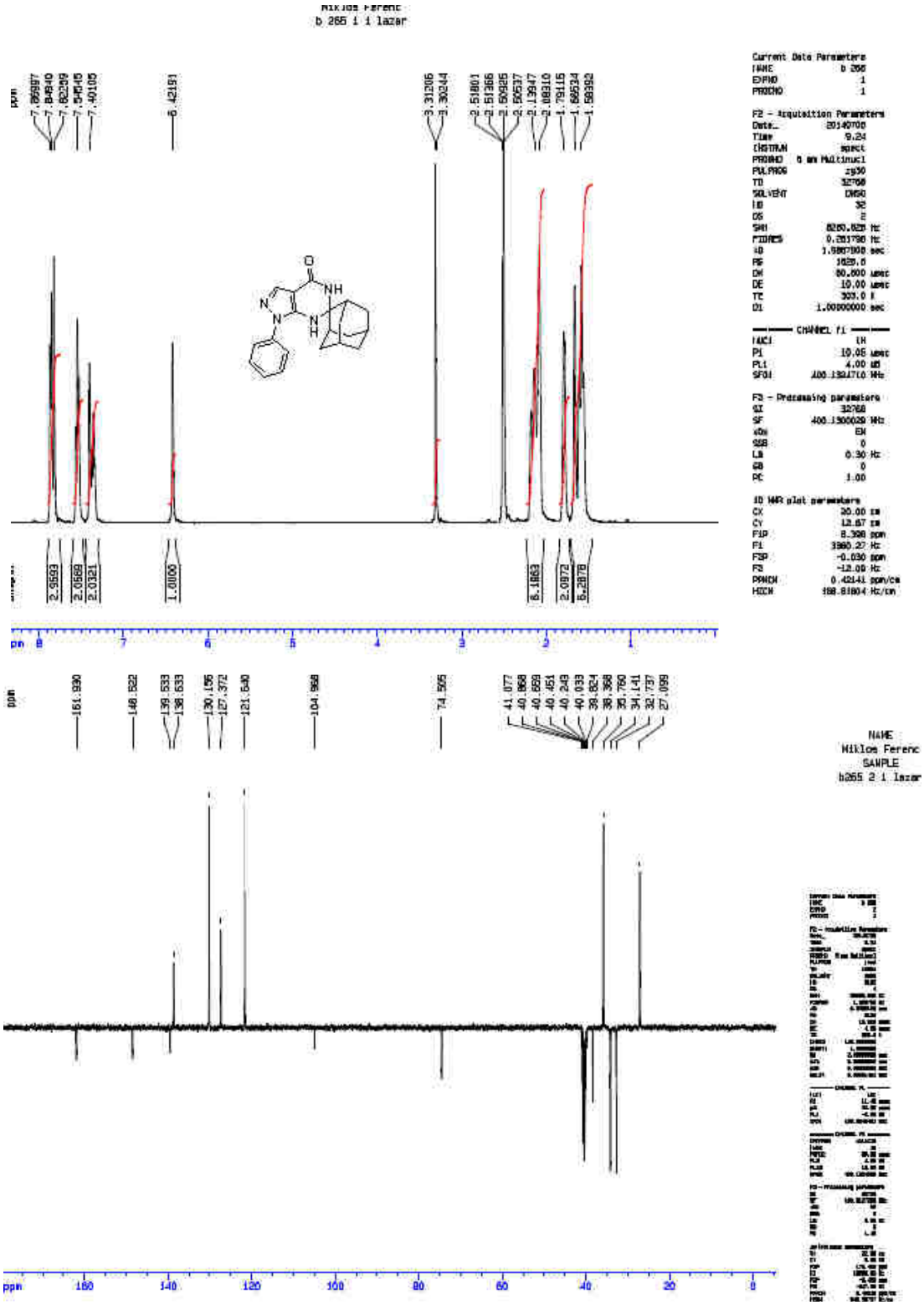




1'*H*-Spiro[tricyclo[3.3.1.1^{3,7}]decane-2,2'-pyrido[2,3-*d*]pyrimidin]-4'(3'*H*)-one (3j)



Spiro[tricyclo[3.3.1.1^{3,7}]decane-2,2'-pyrido[3,2-*e*][1,3]oxazin]-4'(3'*H*)-one (3k)



1'-Phenyl-5',7'-dihydrospiro[tricyclo[3.3.1.1^{3,7}]decane-2,6'-pyrazolo[3,4-d]pyrimidin]-4'(1'H)-one (3l)