

Supporting Information

Synthesis, computational insights, and evaluation of novel sigma receptors ligands

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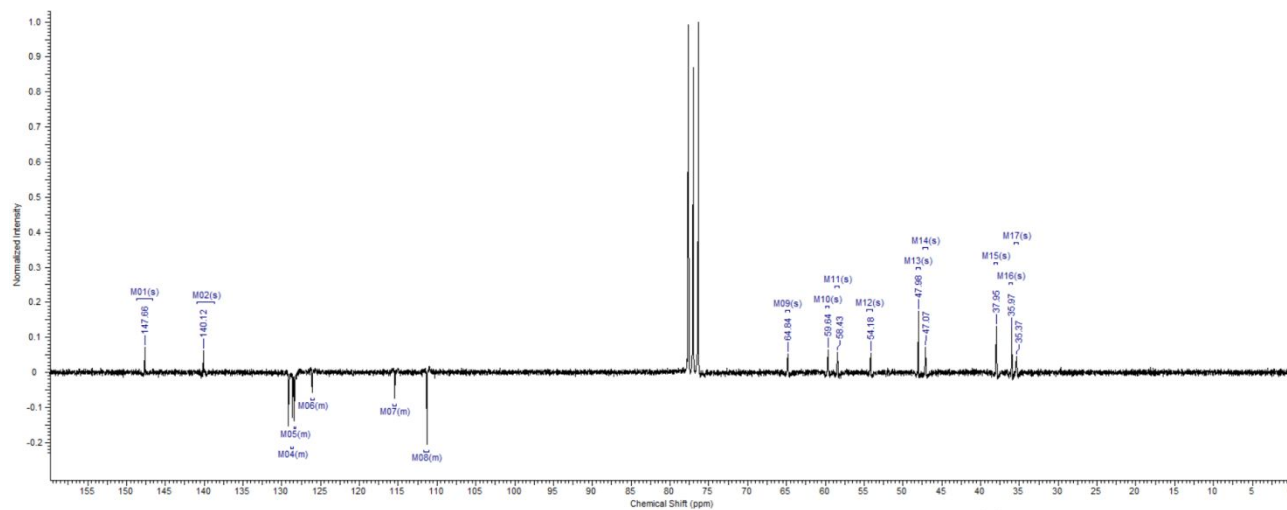
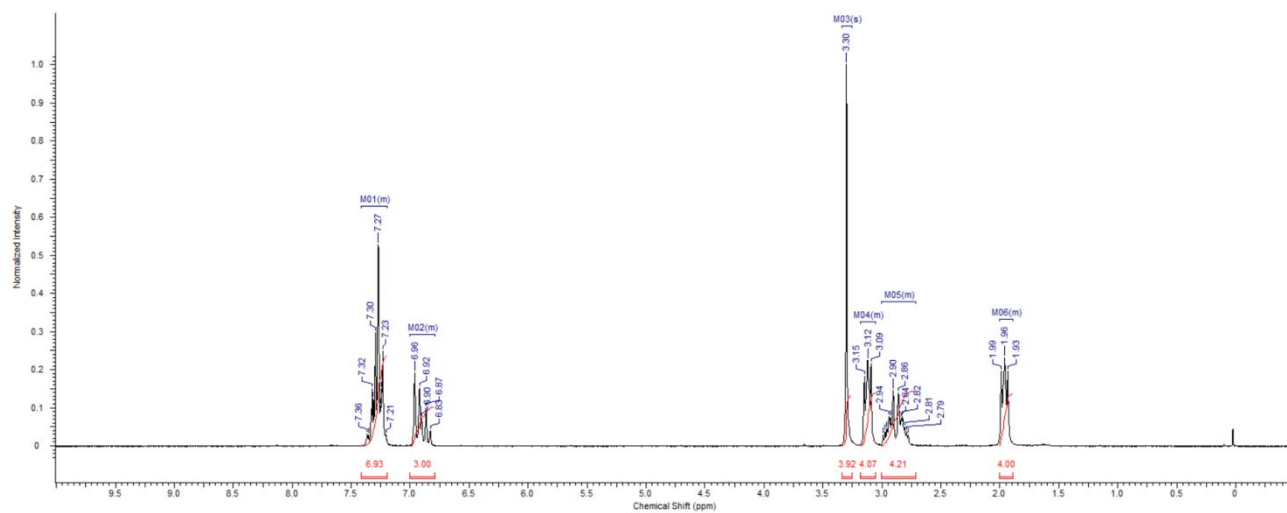
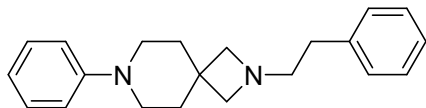
Corresponding Author

*Emanuele Amata: phone, (+39) 0957384102; email, eamata@unict.it

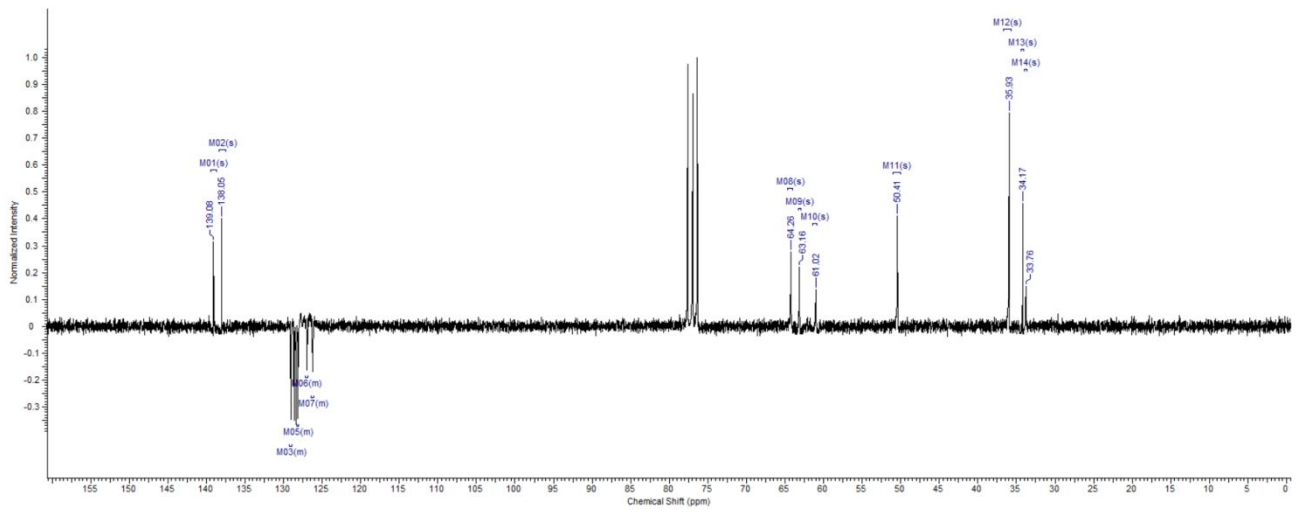
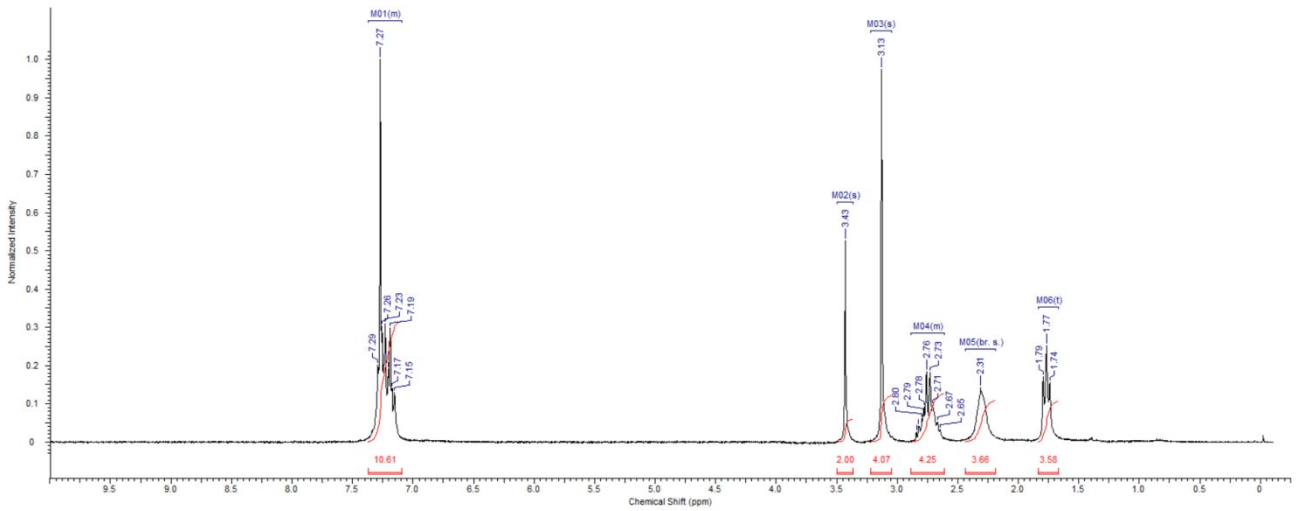
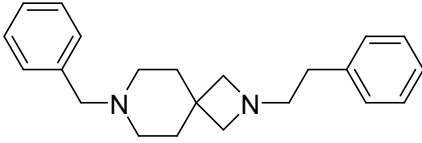
*Stefano Alcaro: phone, (+39) 09613694198; email, alcaro@unicz.it

^1H and ^{13}C NMR-spectra in CDCl_3

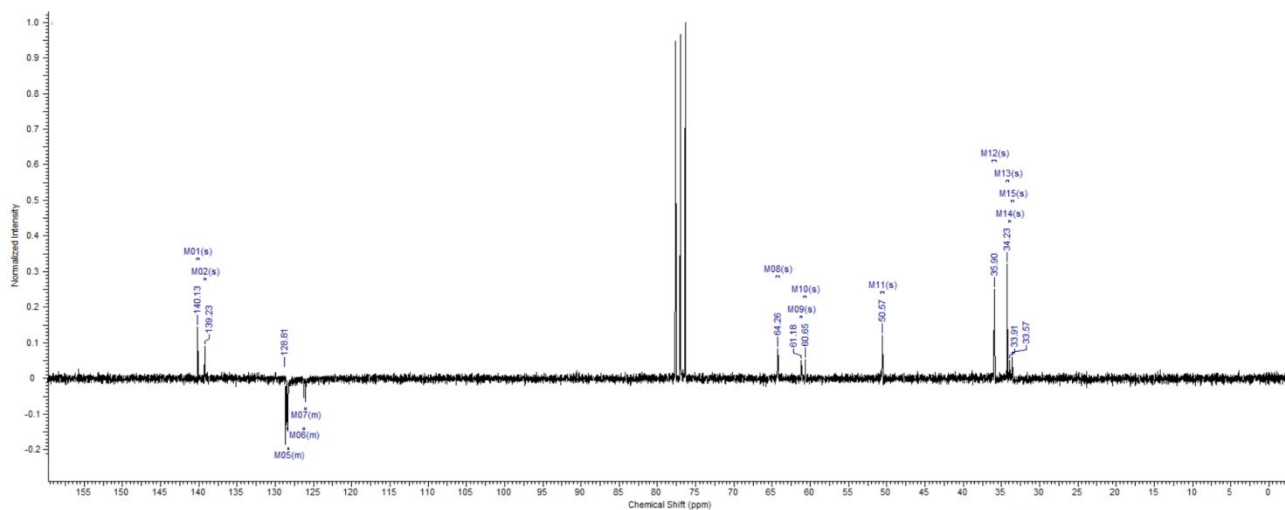
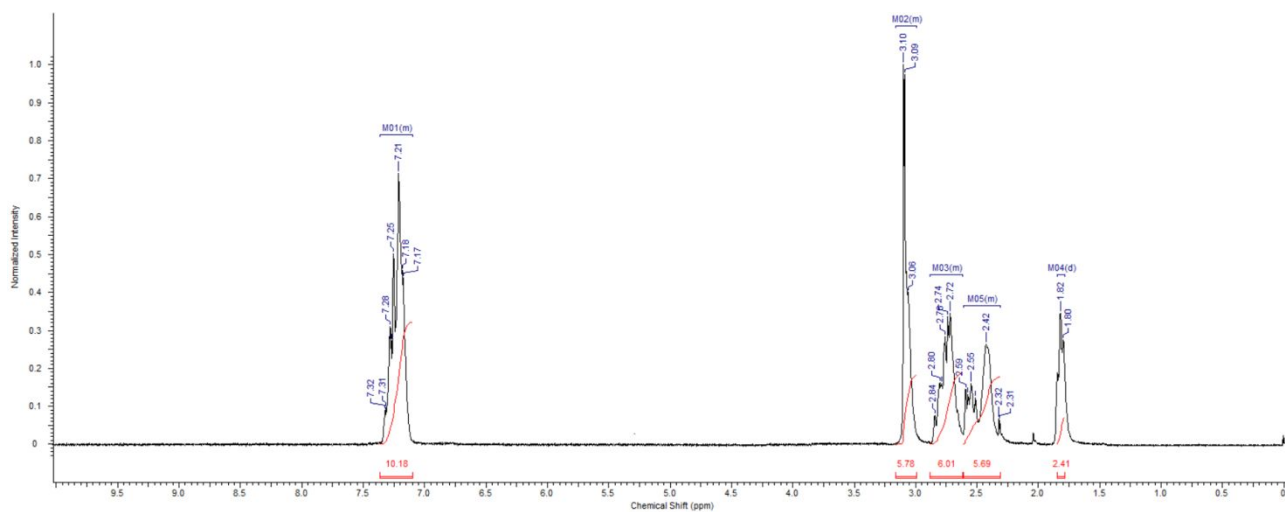
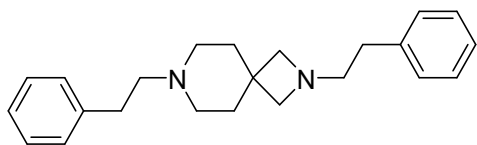
2-Phenethyl-7-phenyl-2,7-diazaspiro[3.5]nonane (**AD172**, **4a**)



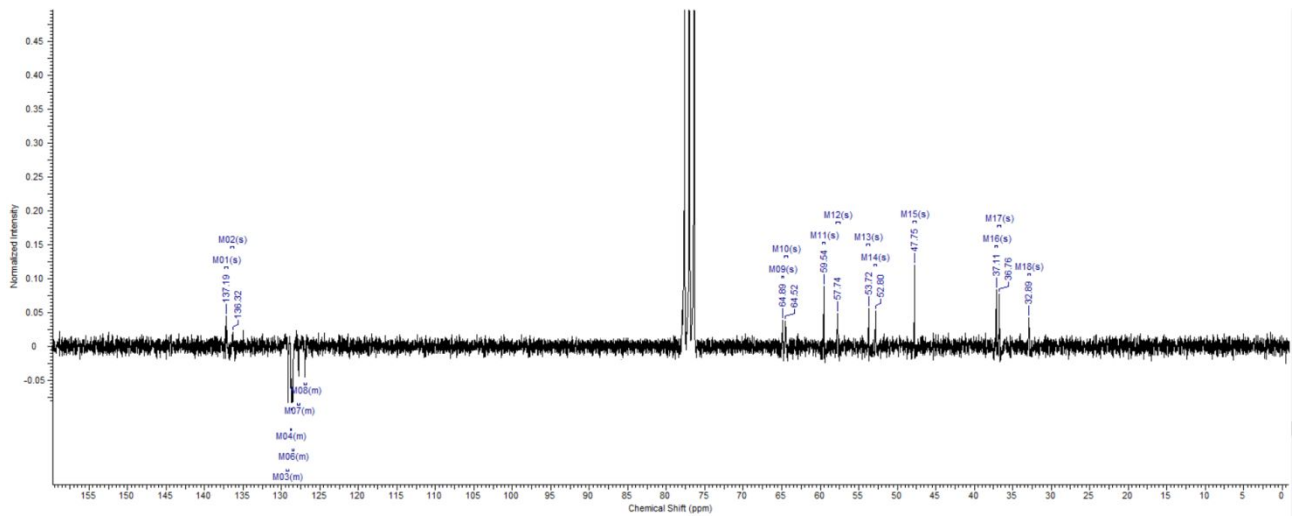
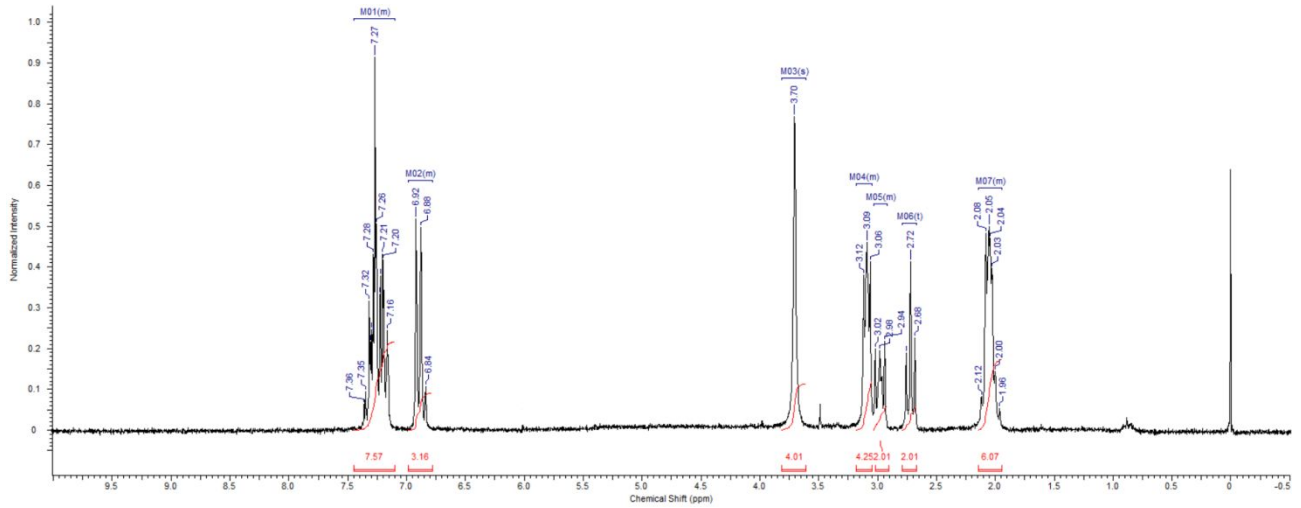
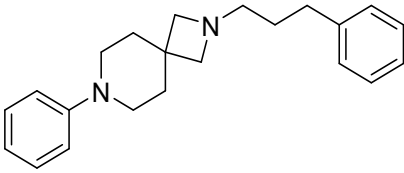
7-Benzyl-2-phenethyl-2,7-diazaspiro[3.5]nonane (**AD186**, **4b**)



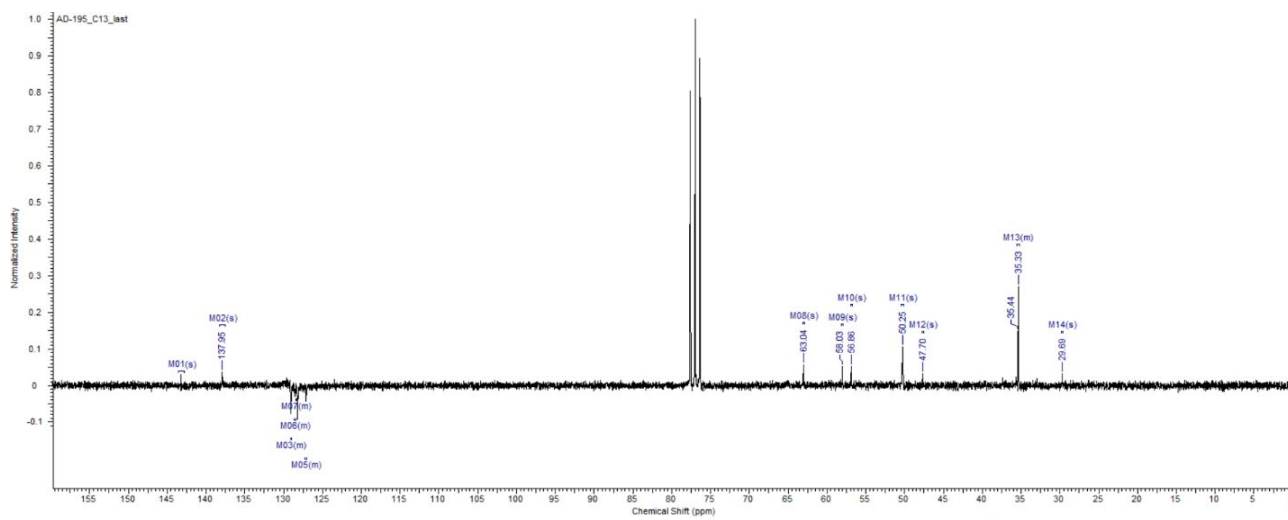
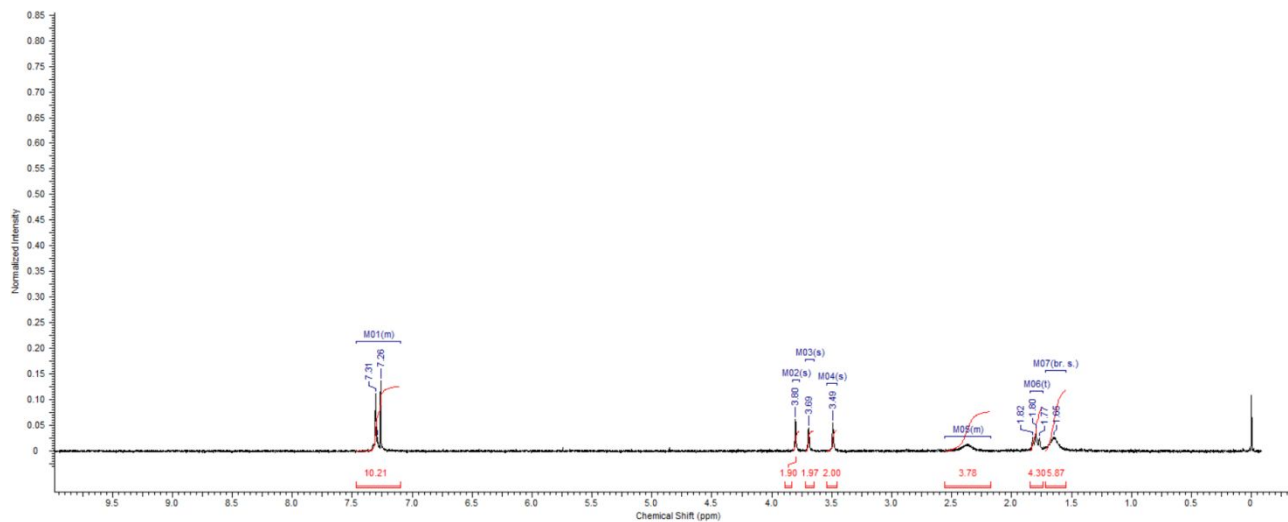
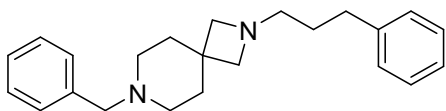
2,7-Diphenethyl-2,7-diazaspiro[3.5]nonane (AD187, 4c)



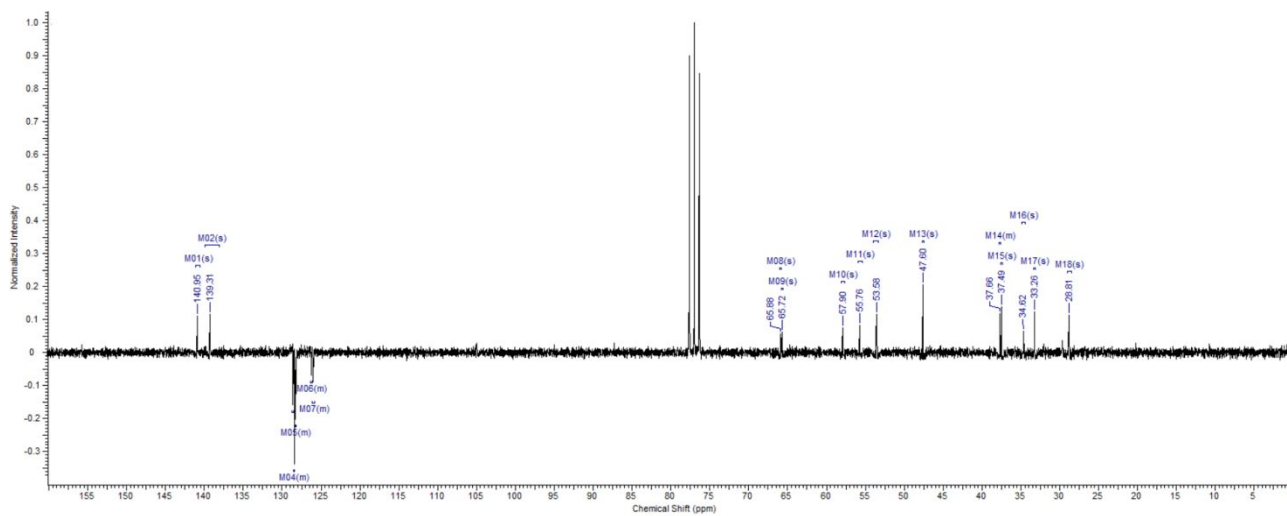
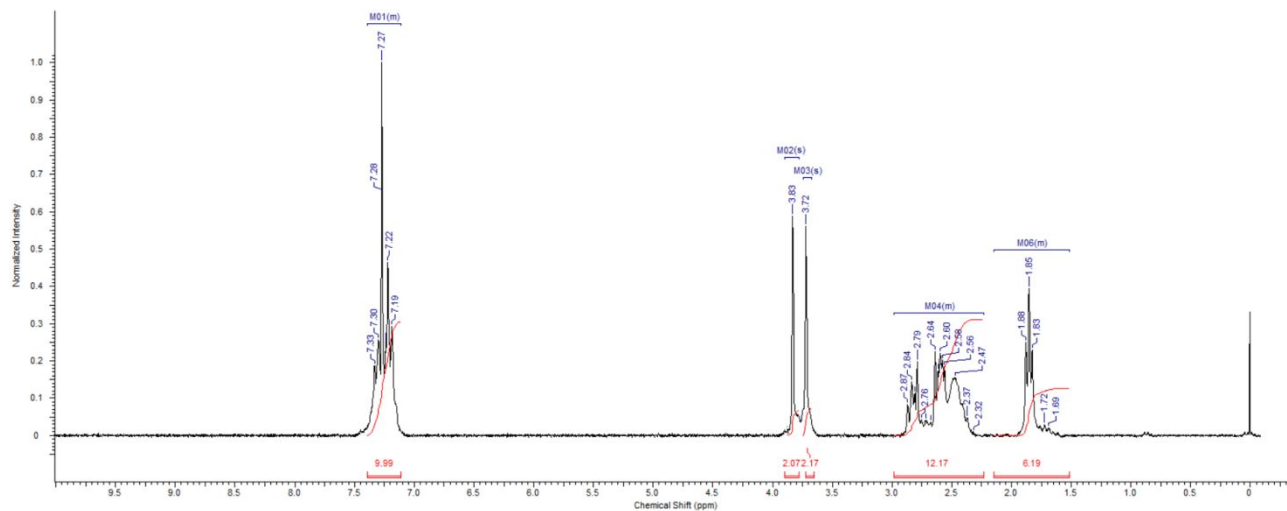
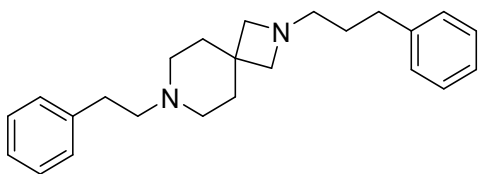
7-Phenyl-2-(3-phenylpropyl)-2,7-diazaspiro[3.5]nonane (**AD173**, **4d**)



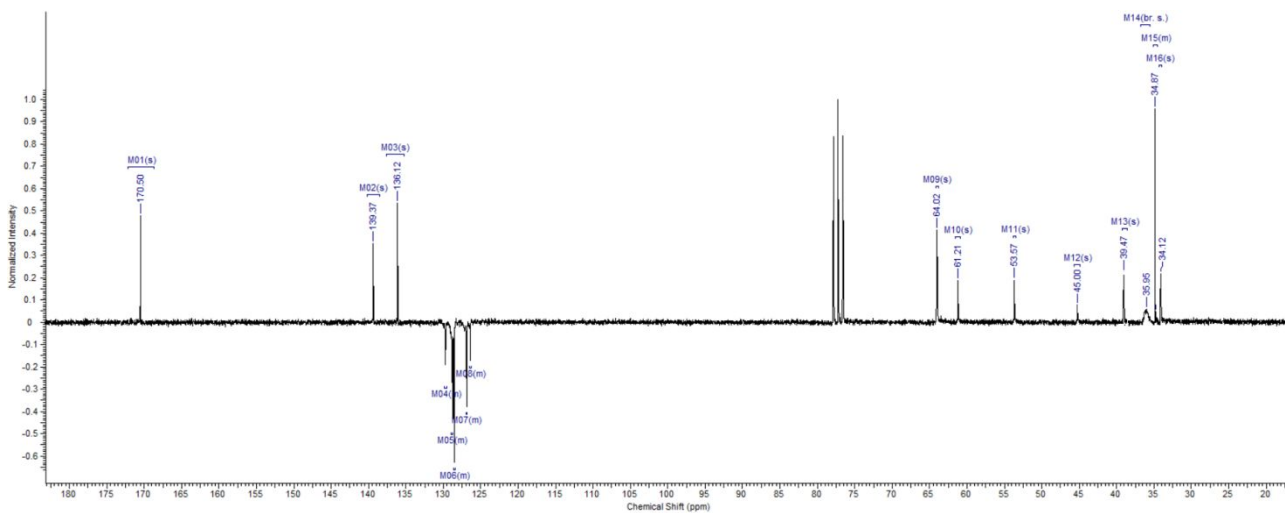
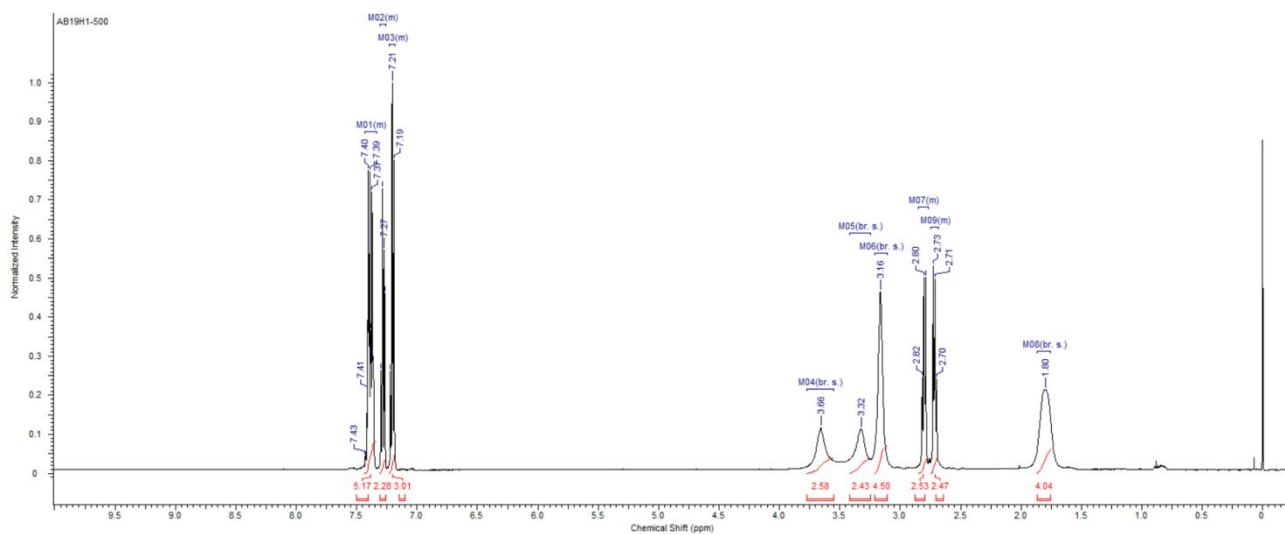
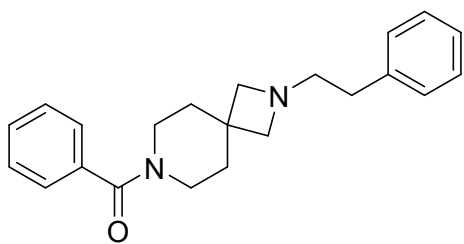
7-Benzyl-2-(3-phenylpropyl)-2,7-diazaspiro[3.5]nonane (**AD195**, **4e**)



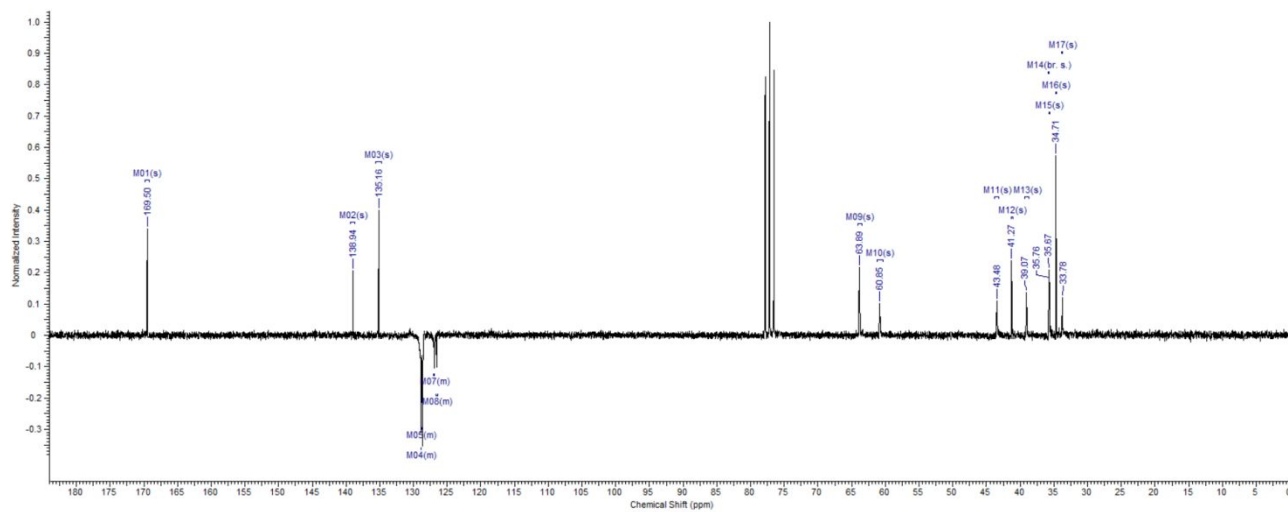
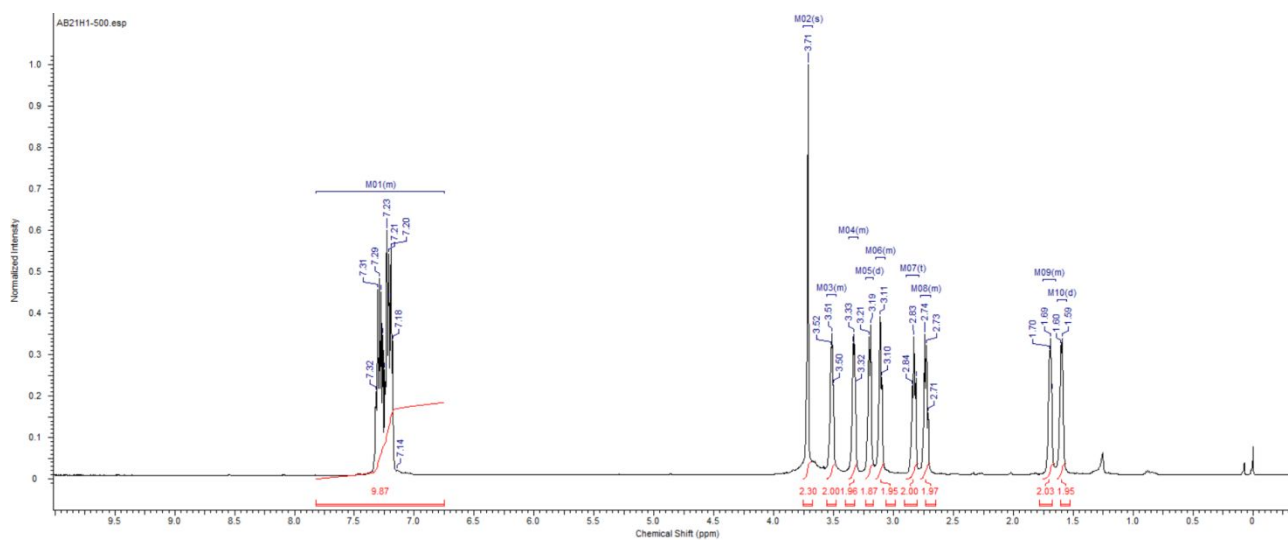
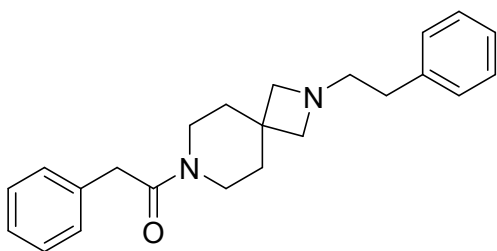
7-Phenethyl-2-(3-phenylpropyl)-2,7-diazaspiro[3.5]nonane (**AD197**, **4f**)



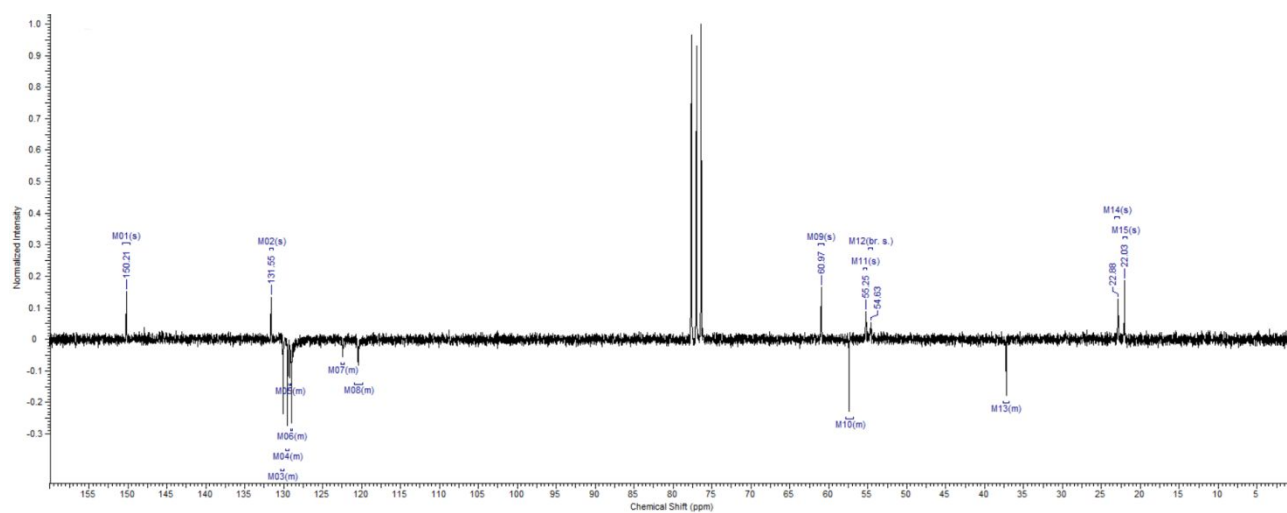
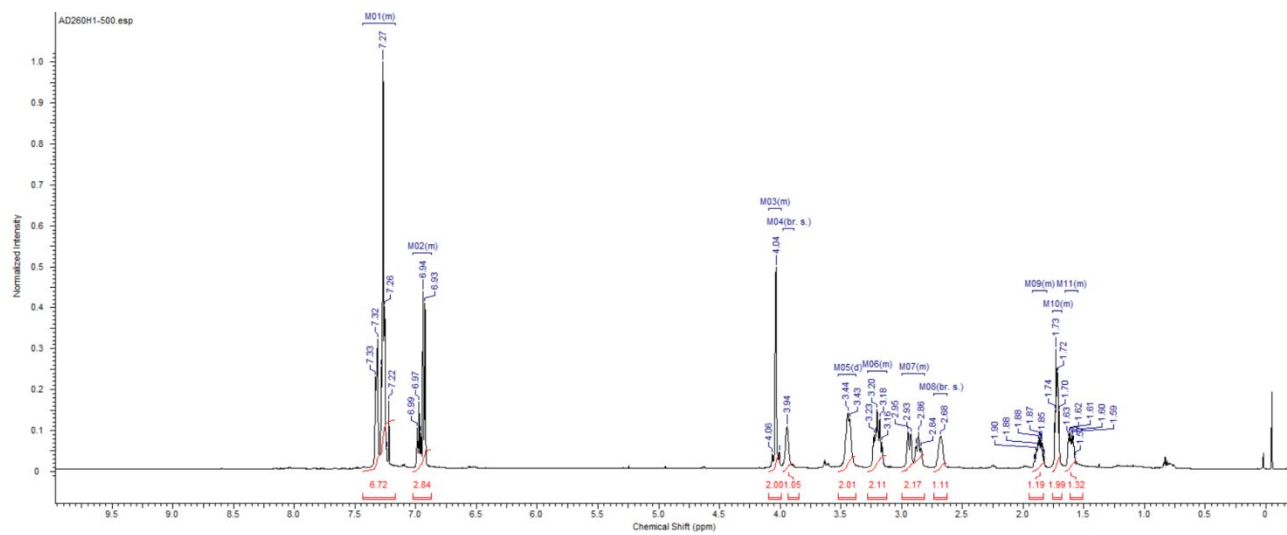
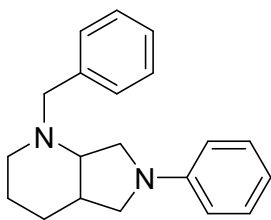
(2-Phenethyl-2,7-diazaspiro[3.5]nonan-7-yl)(phenyl)methanone (**AB19, 5a**)



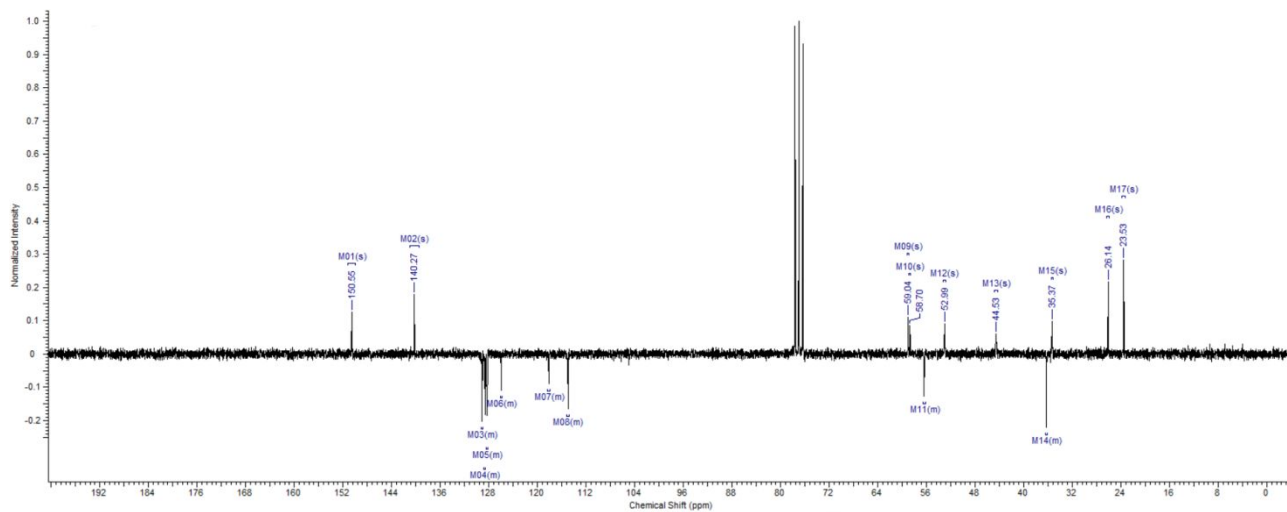
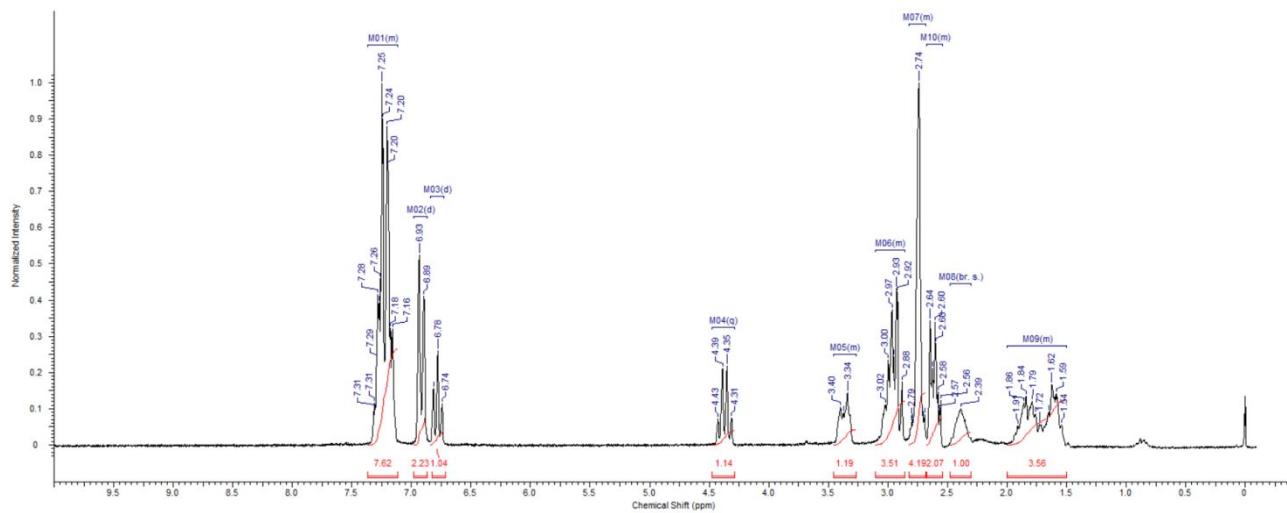
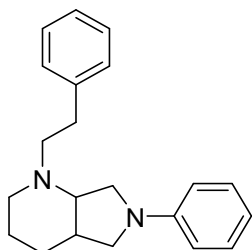
1-(2-Phenethyl-2,7-diazaspiro[3.5]nonan-7-yl)-2-phenylethan-1-one (AB21, 5b)



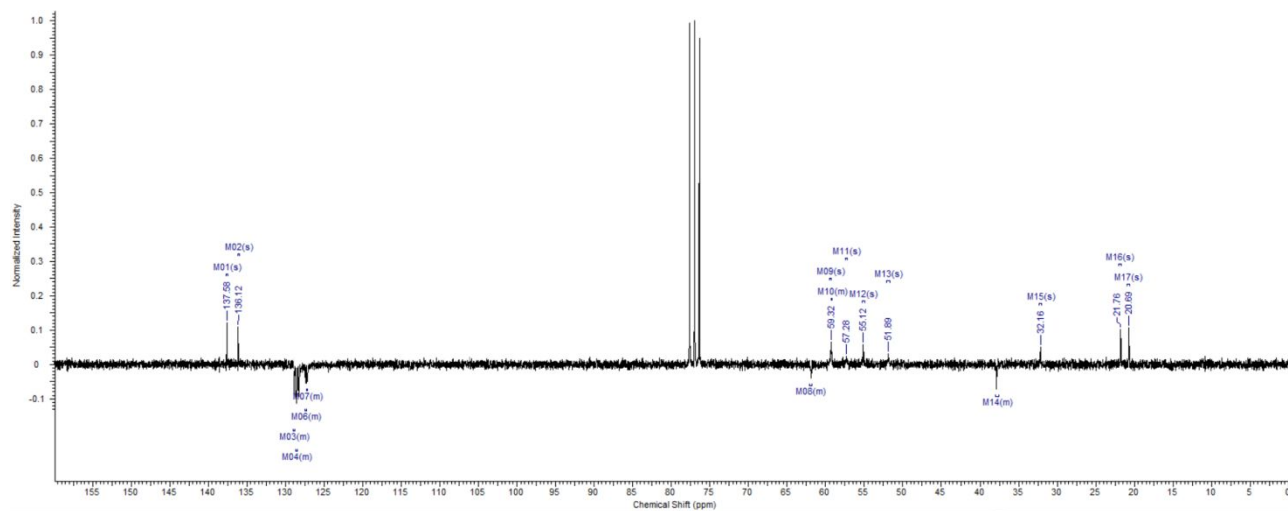
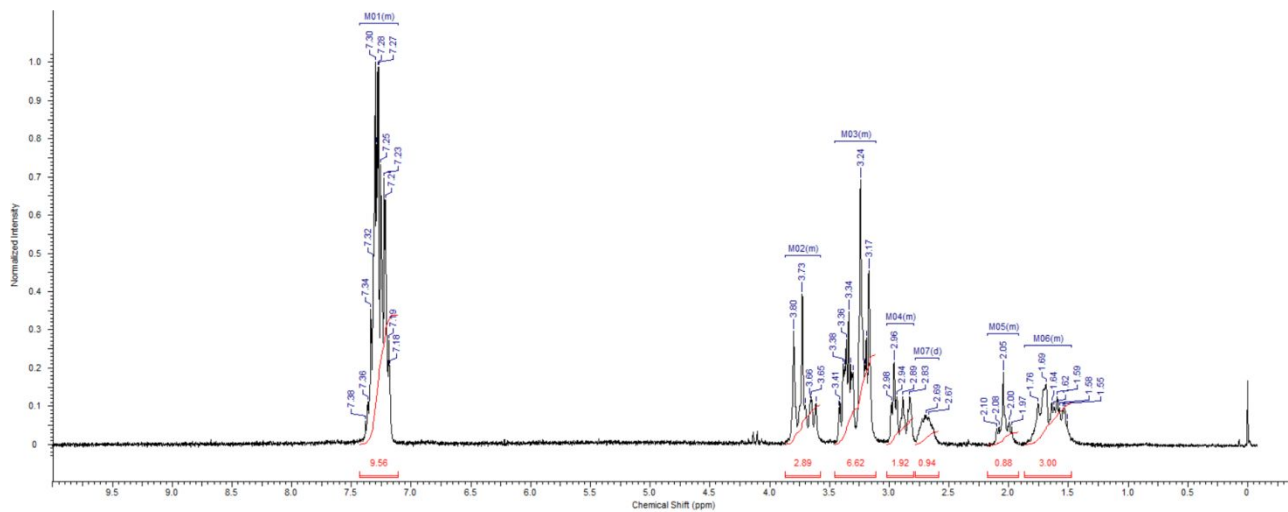
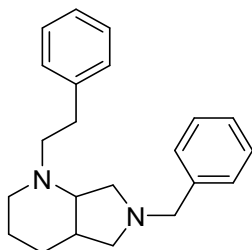
1-Benzyl-6-phenyloctahydro-1*H*-pyrrolo[3,4-*b*]pyridine (AD260, 8a)



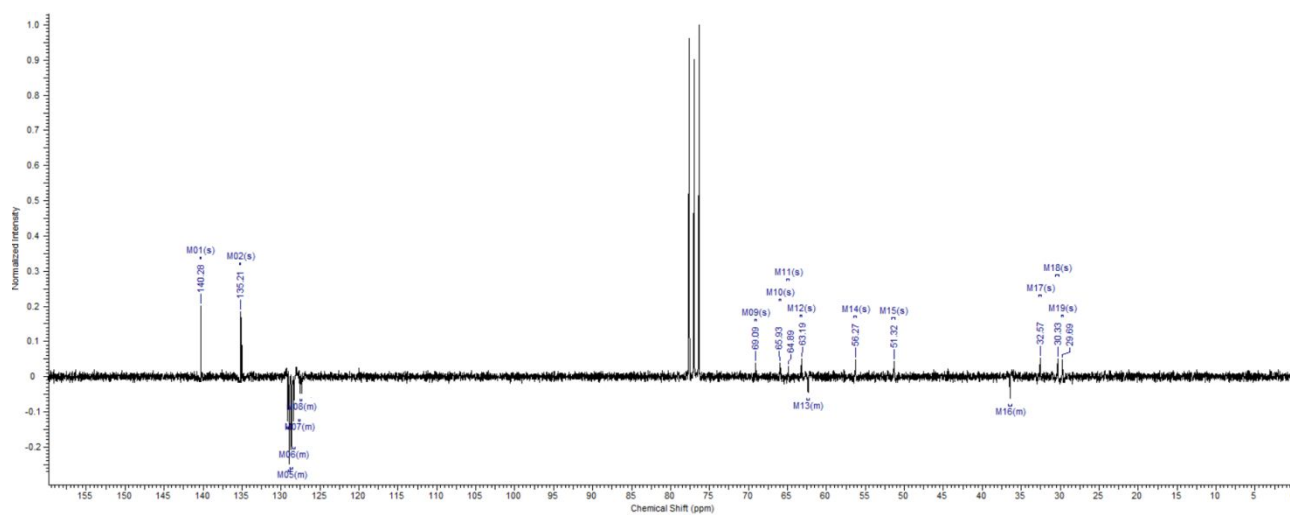
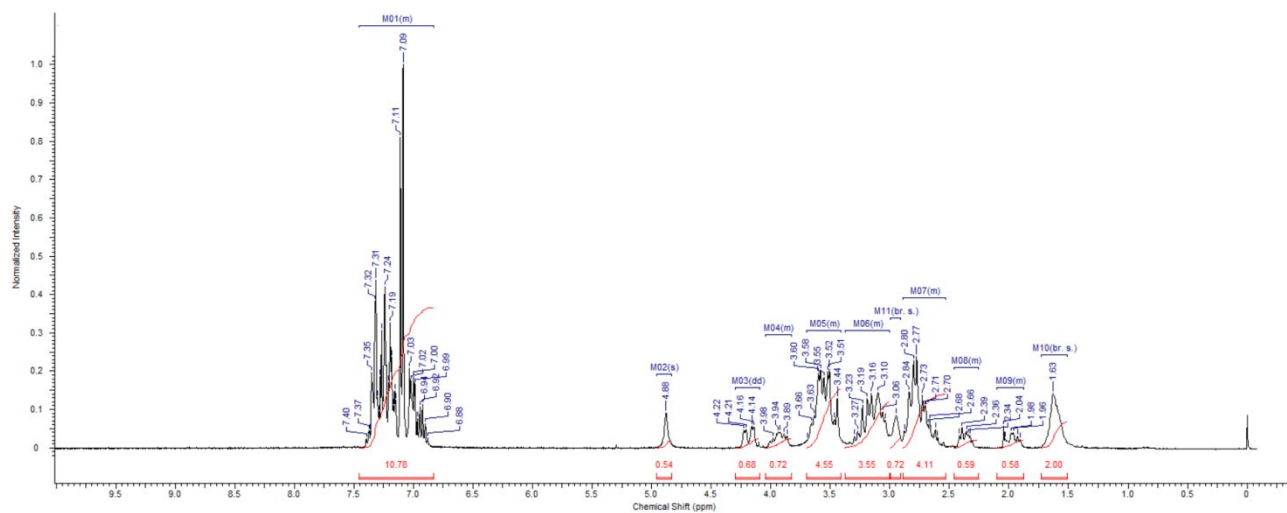
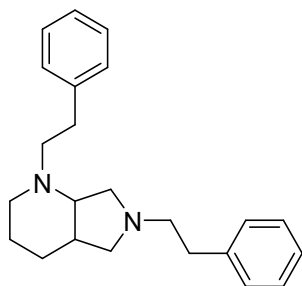
1-Phenethyl-6-phenyloctahydro-1*H*-pyrrolo[3,4-*b*]pyridine (AB13, 8b)



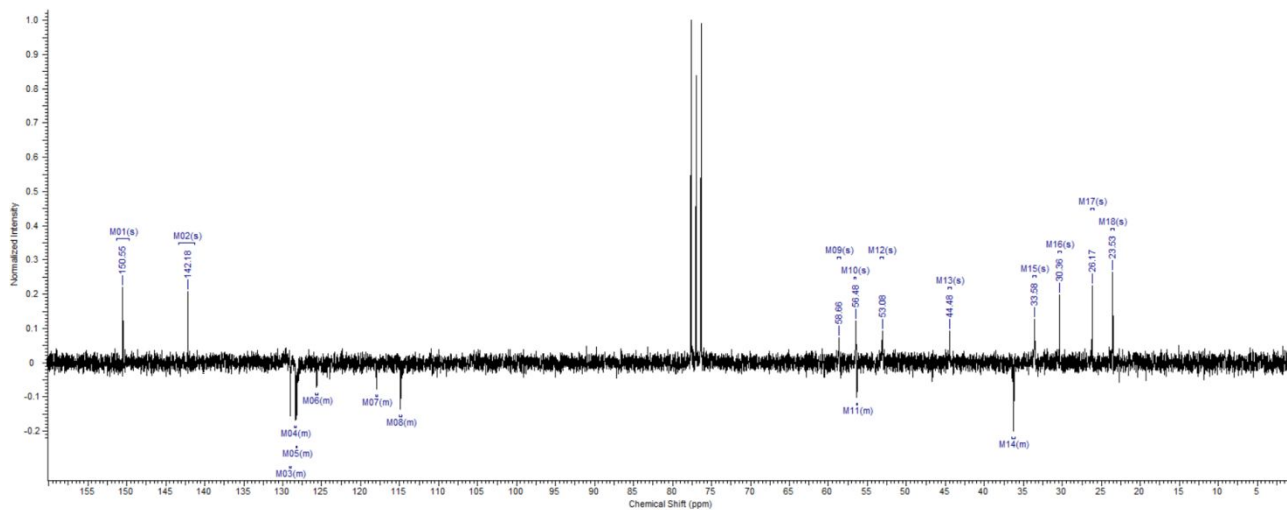
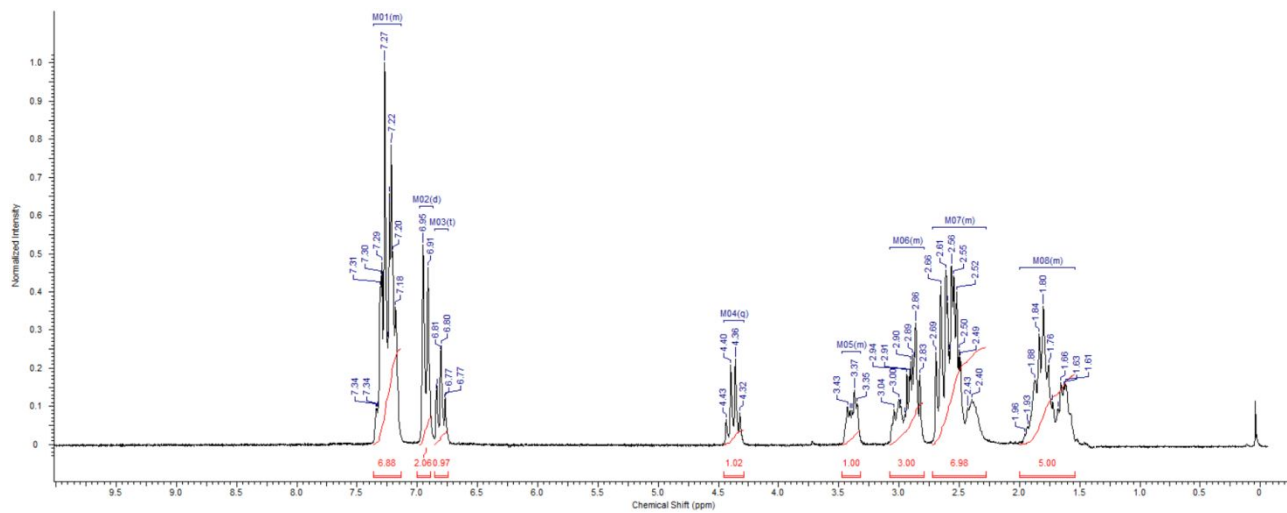
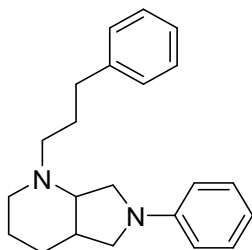
6-Benzyl-1-phenethyloctahydro-1H-pyrrolo[3,4-b]pyridine (AB9, 8c)



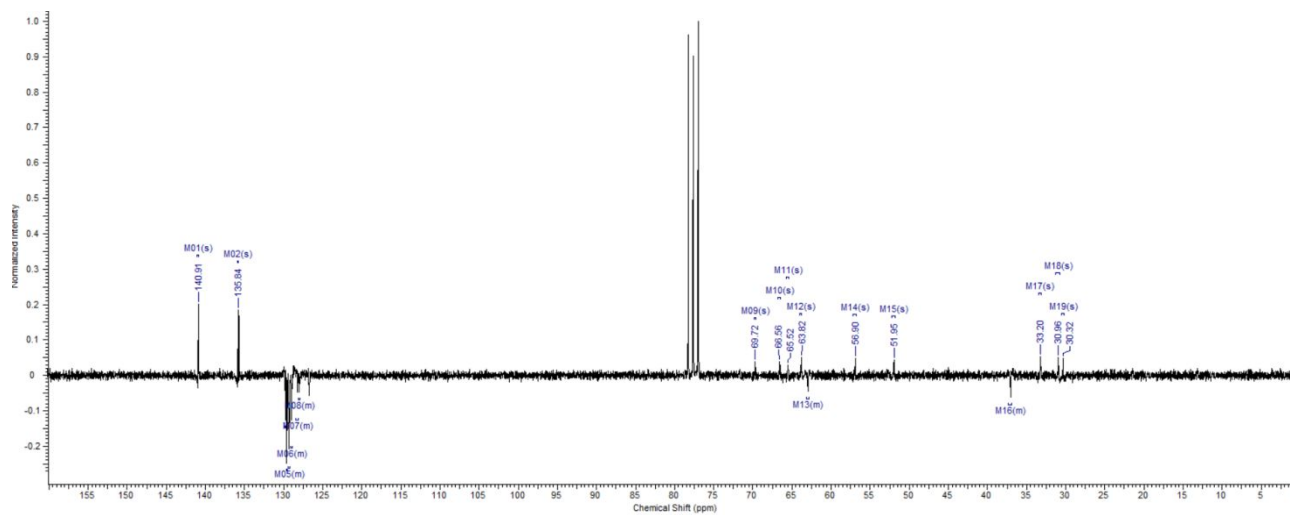
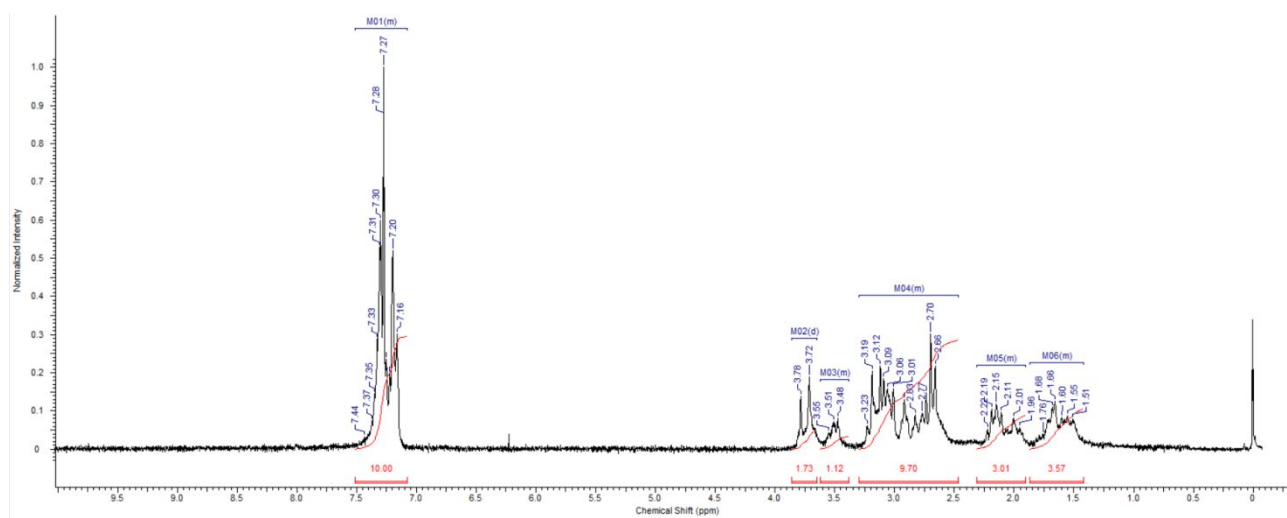
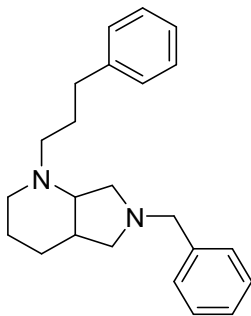
1,6-Diphenethyloctahydro-1*H*-pyrrolo[3,4-*b*]pyridine (**AB7**, **8d**)



6-Phenyl-1-(3-phenylpropyl)octahydro-1*H*-pyrrolo[3,4-*b*]pyridine (AB14, 8e)



6-Benzyl-1-(3-phenylpropyl)octahydro-1*H*-pyrrolo[3,4-*b*]pyridine (AB10, 8f)



6-Phenethyl-1-(3-phenylpropyl)octahydro-1*H*-pyrrolo[3,4-*b*]pyridine (AB8, 8g)

