

Development of a stereoselective Ugi reaction starting from an oxanorbornene β -amino acid derivative

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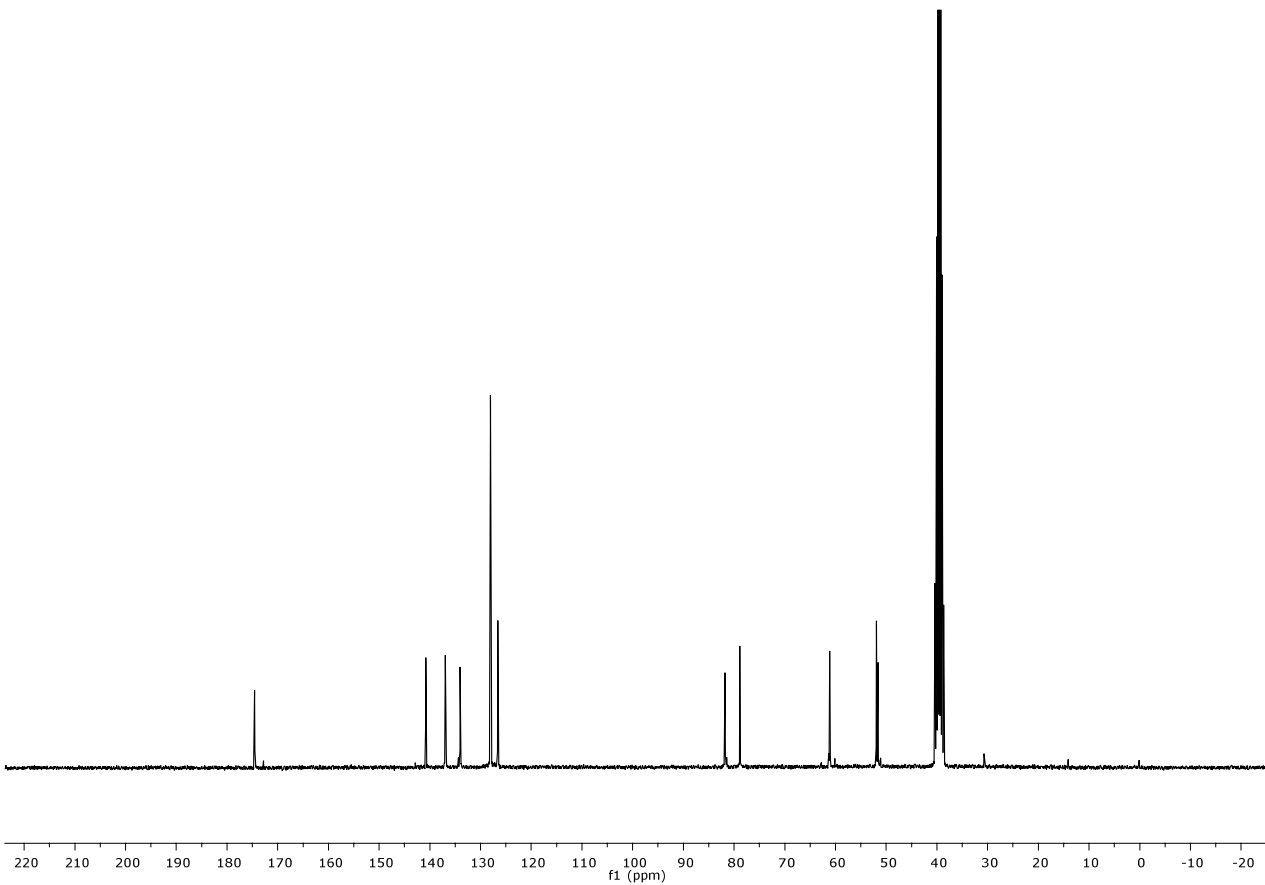
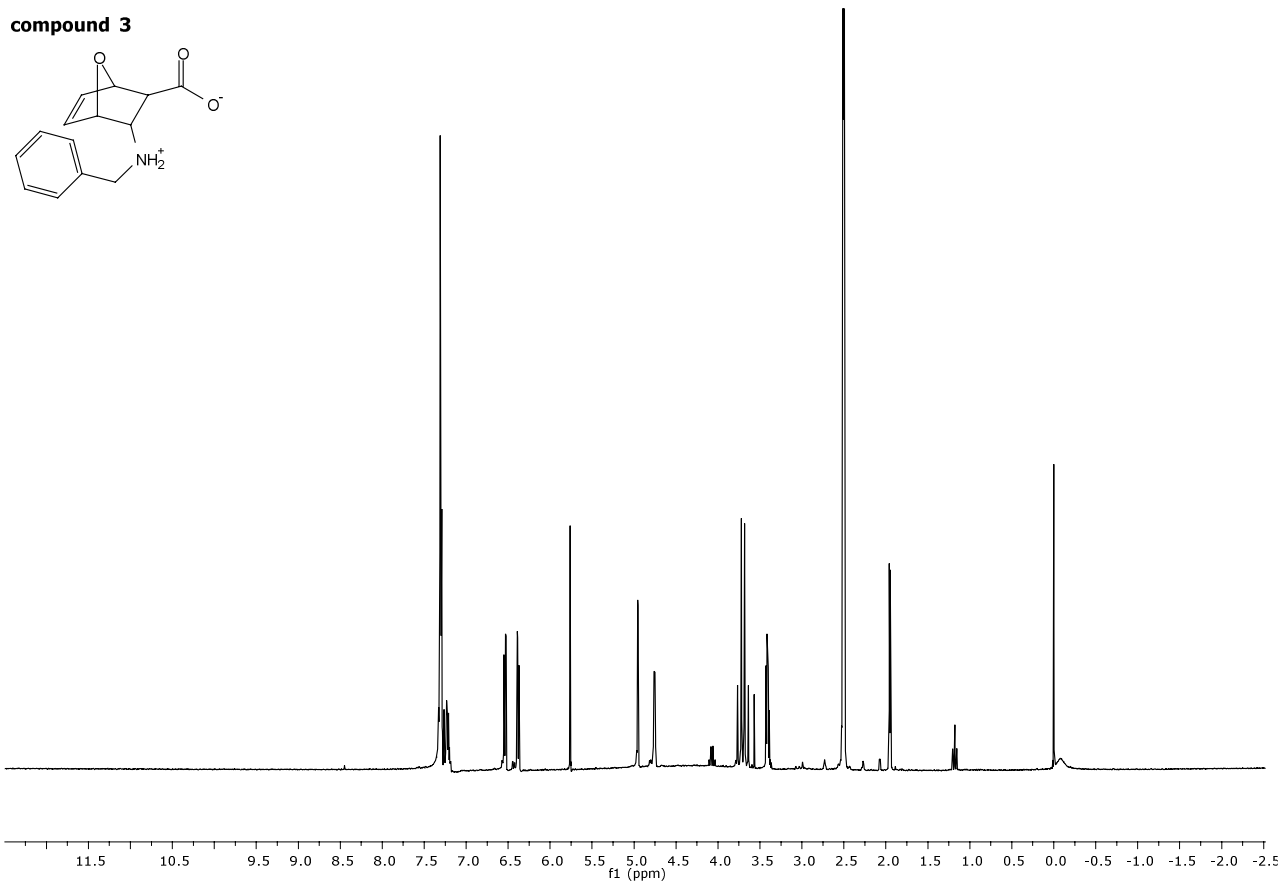
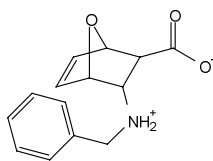
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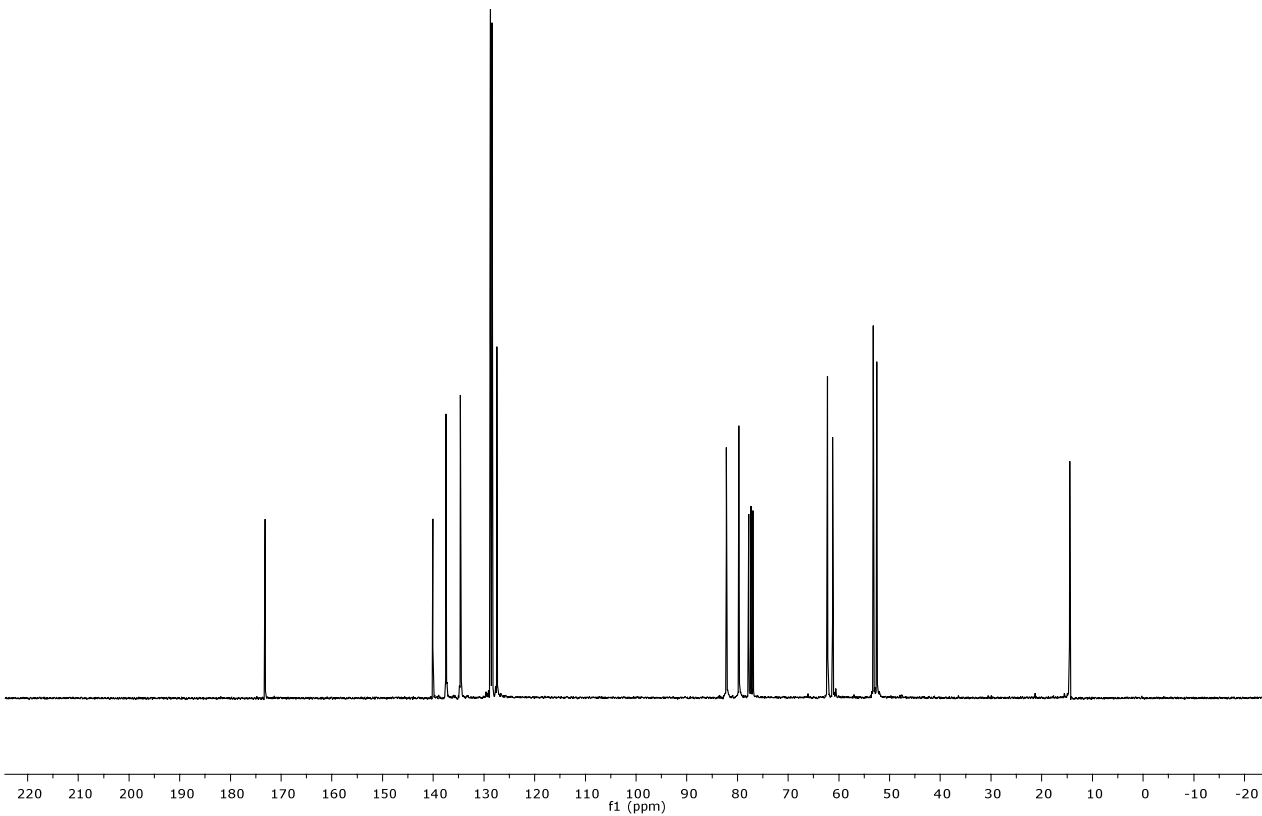
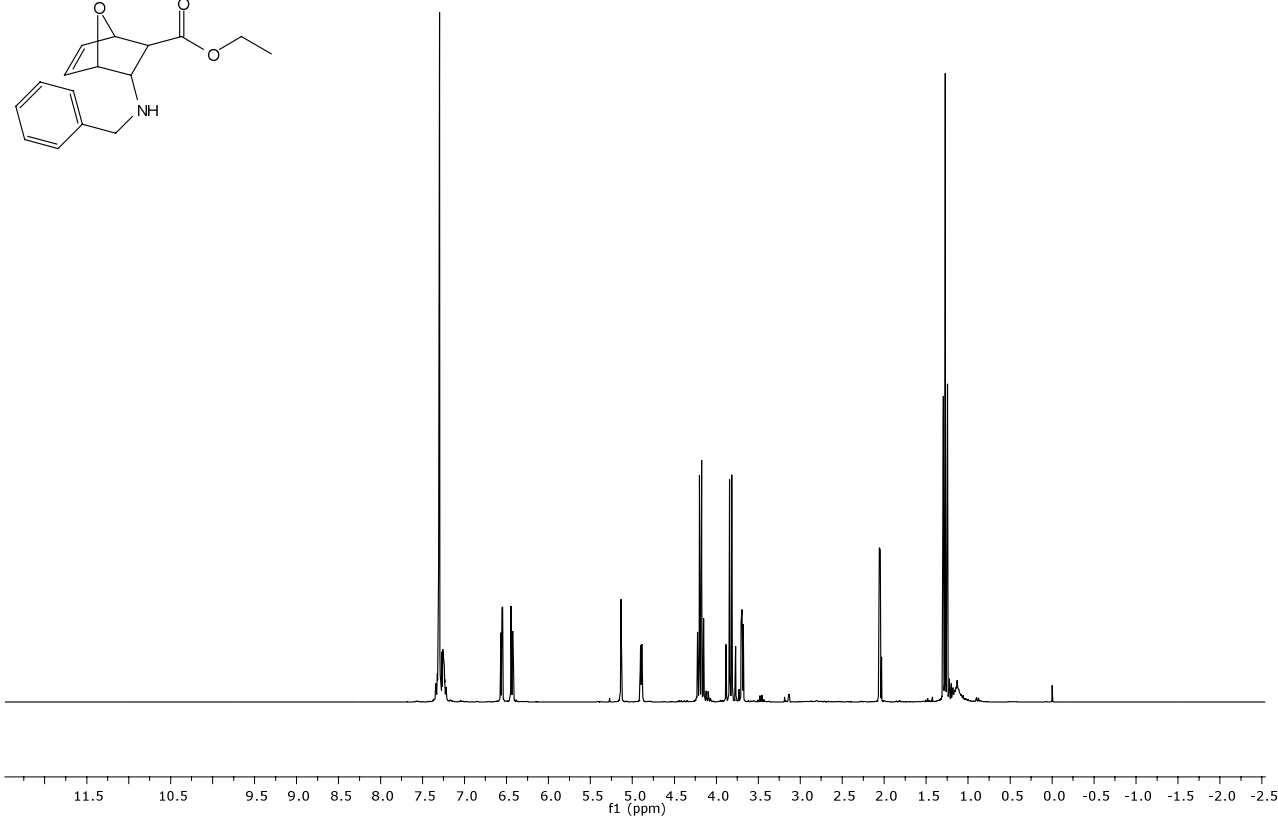
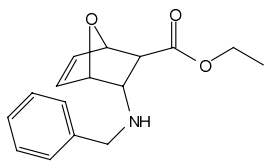
COPIES OF NMR SPECTRA FOR COMPOUNDS 3, 9, 11a-l, 18

| | |
|------------------------|----|
| Compound 3 | 2 |
| Compound 9 | 3 |
| Compounds 11a-l | 4 |
| Compound 18 | 16 |

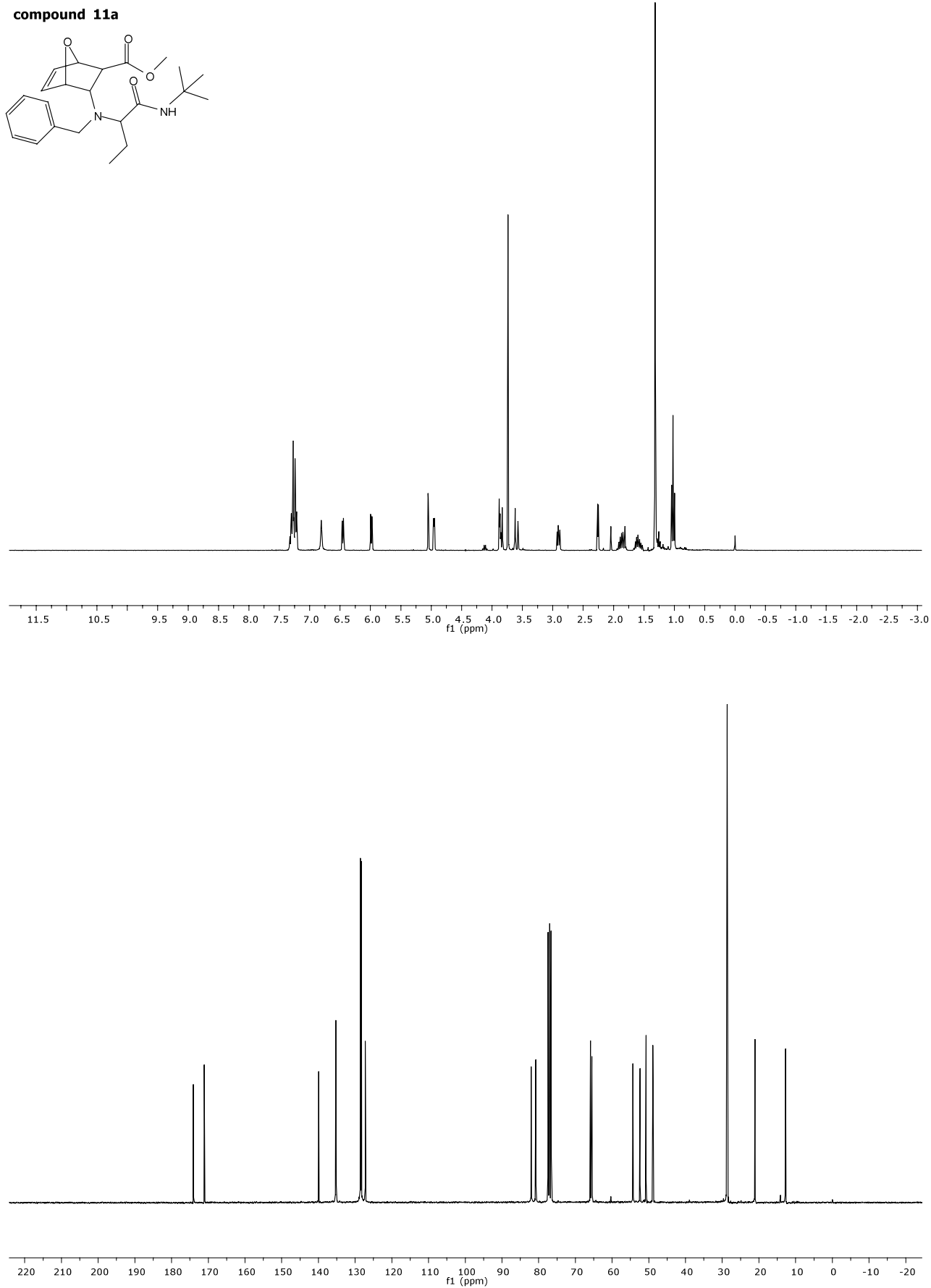
compound 3



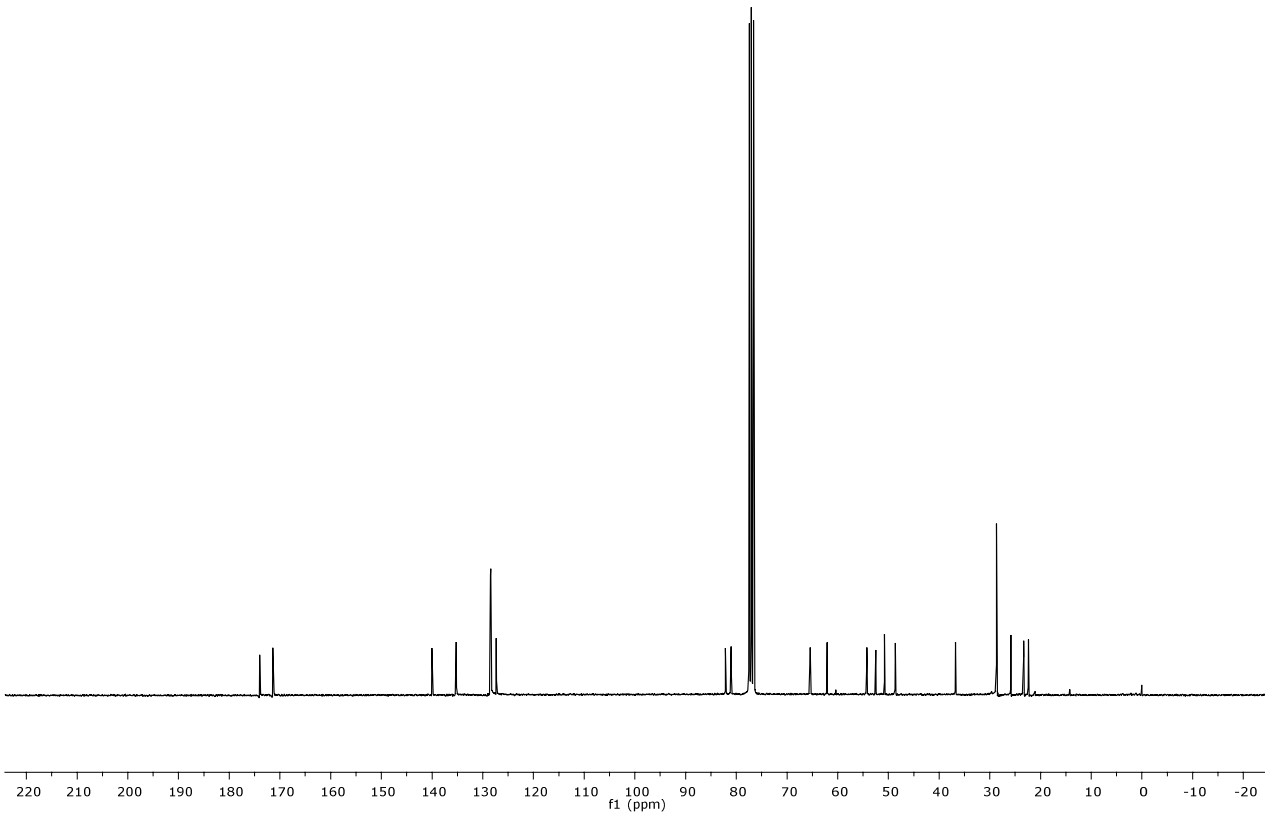
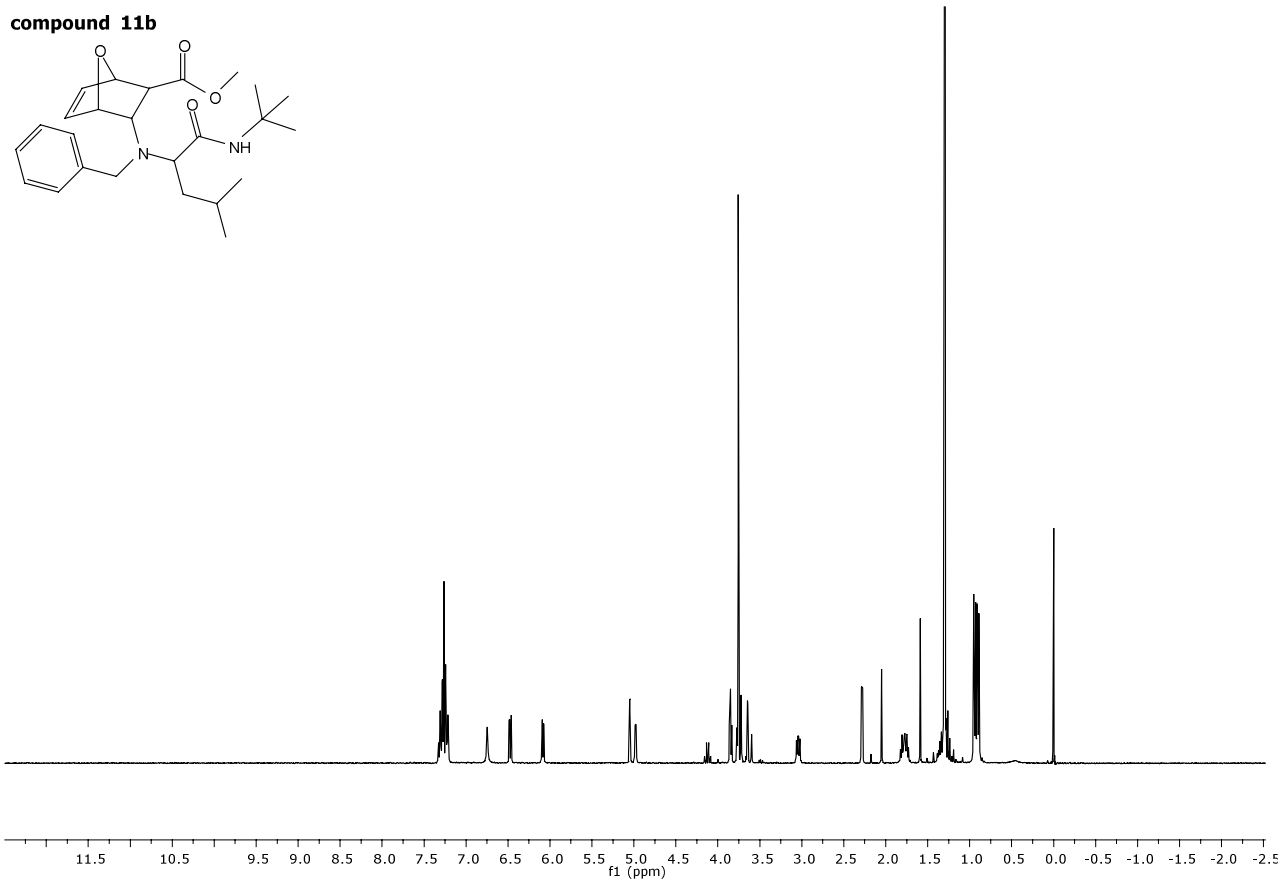
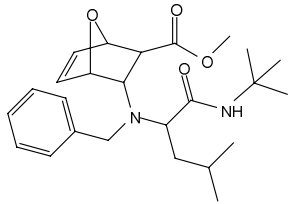
compound 9



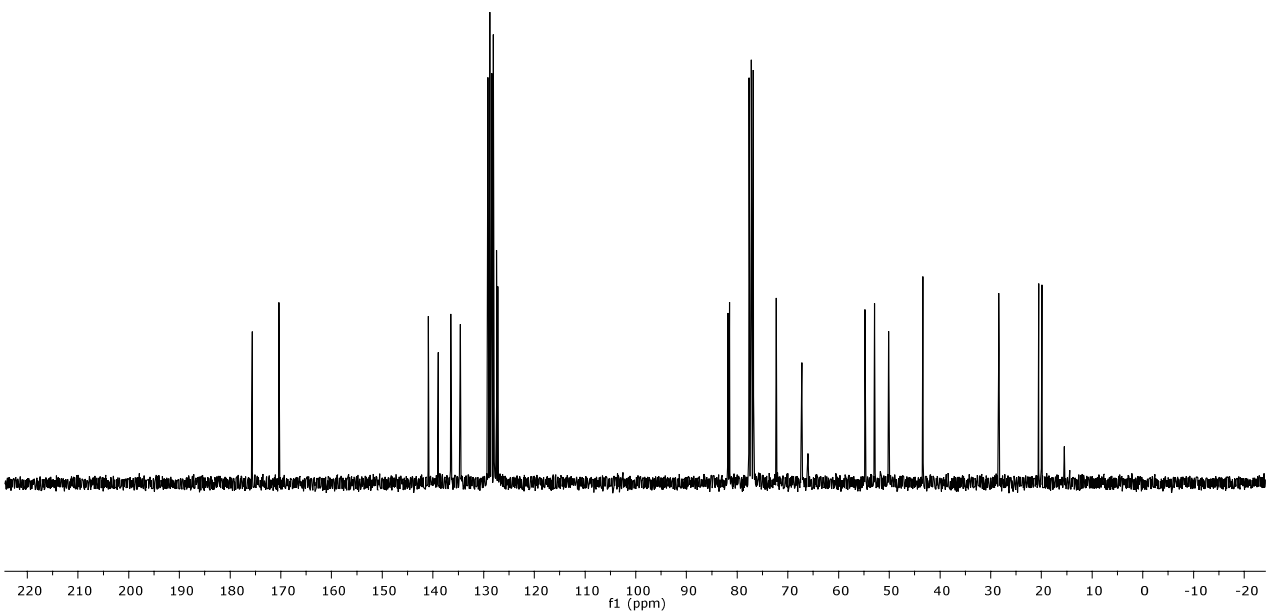
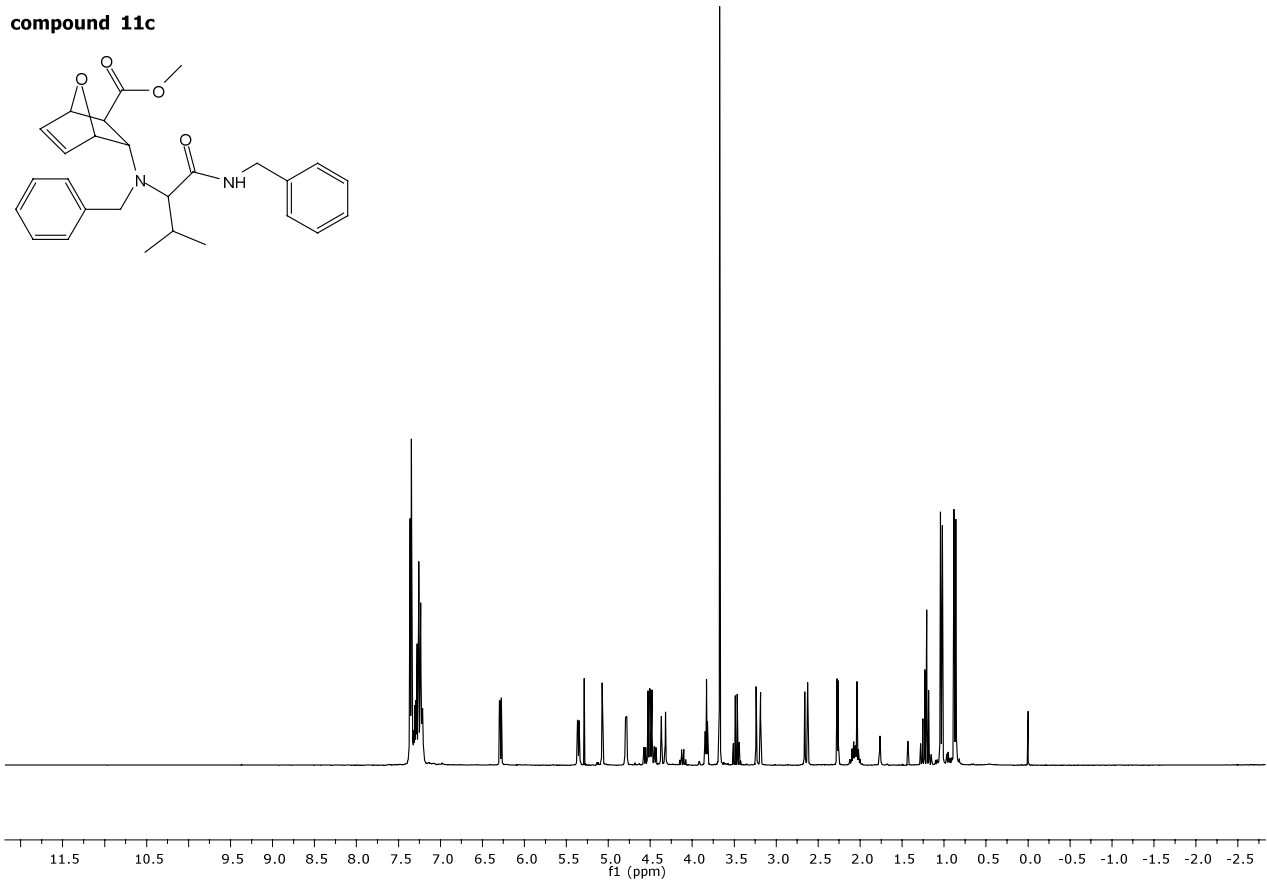
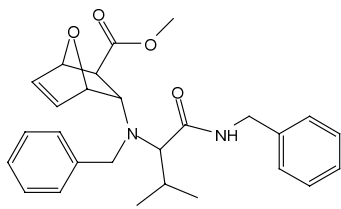
compound 11a



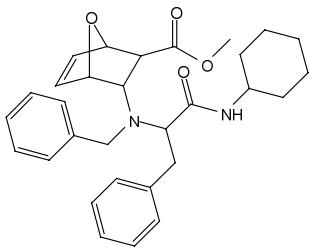
compound 11b



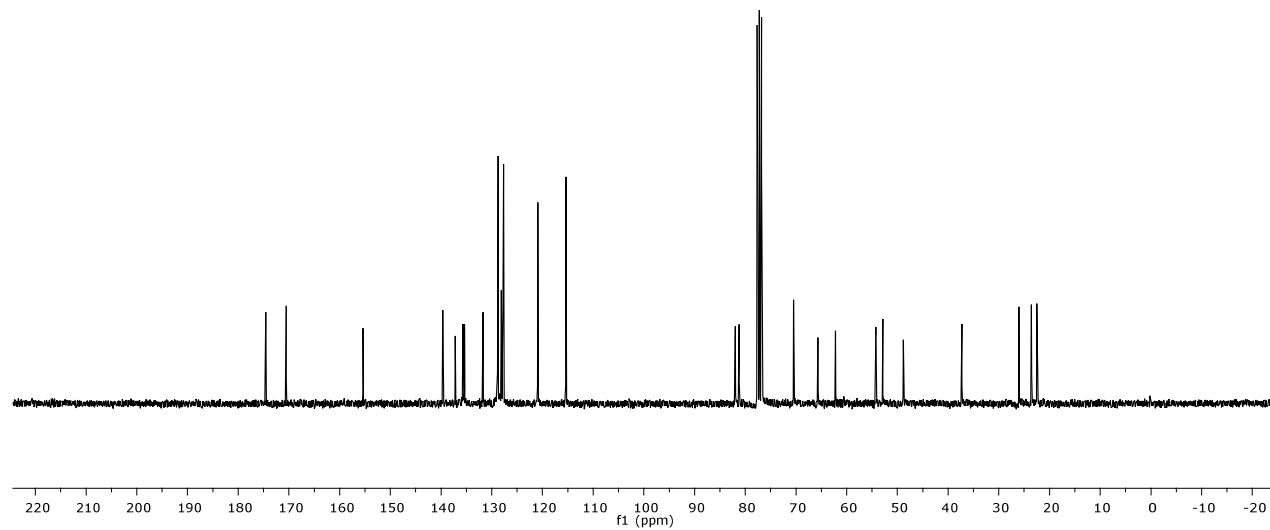
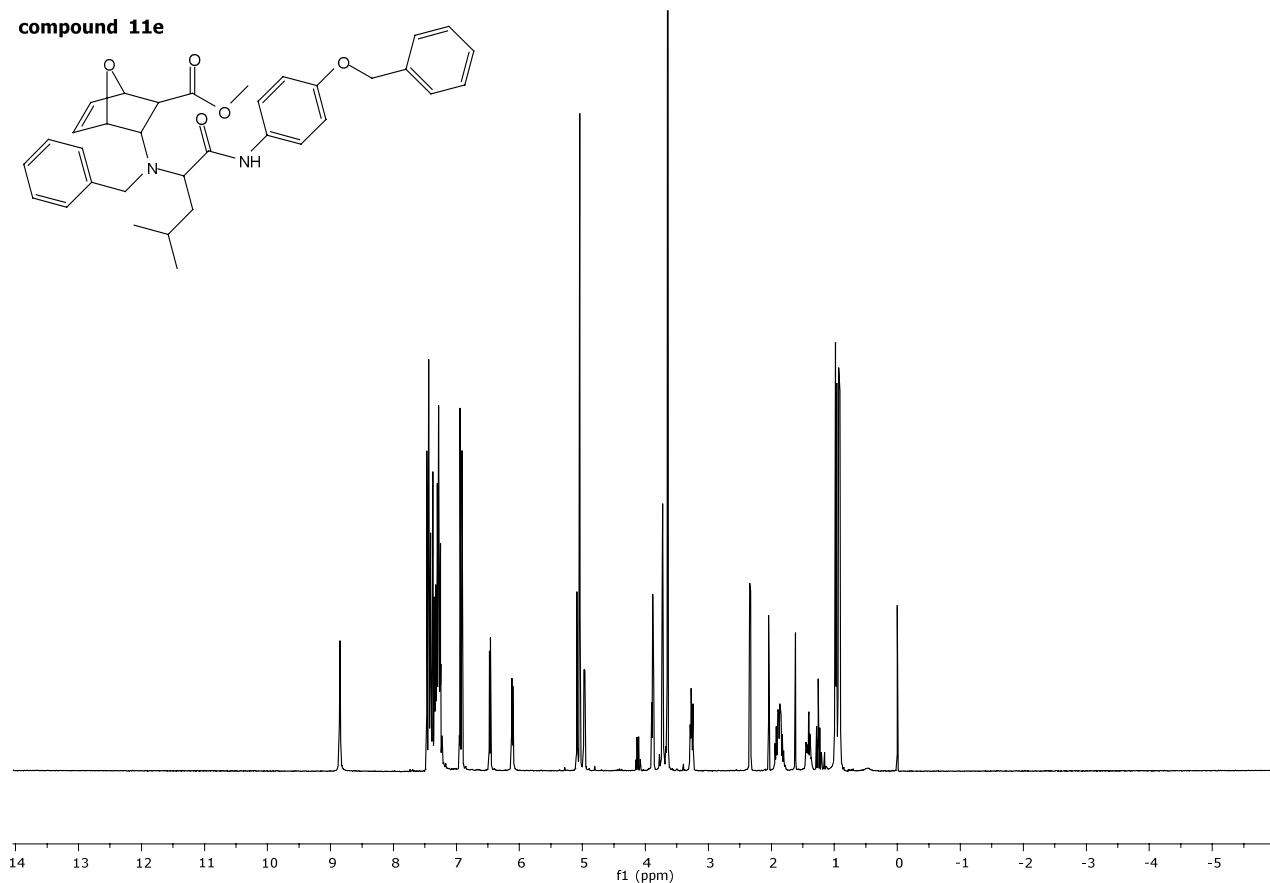
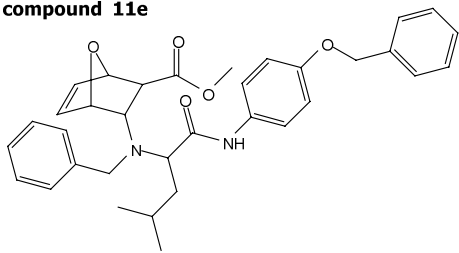
compound 11c



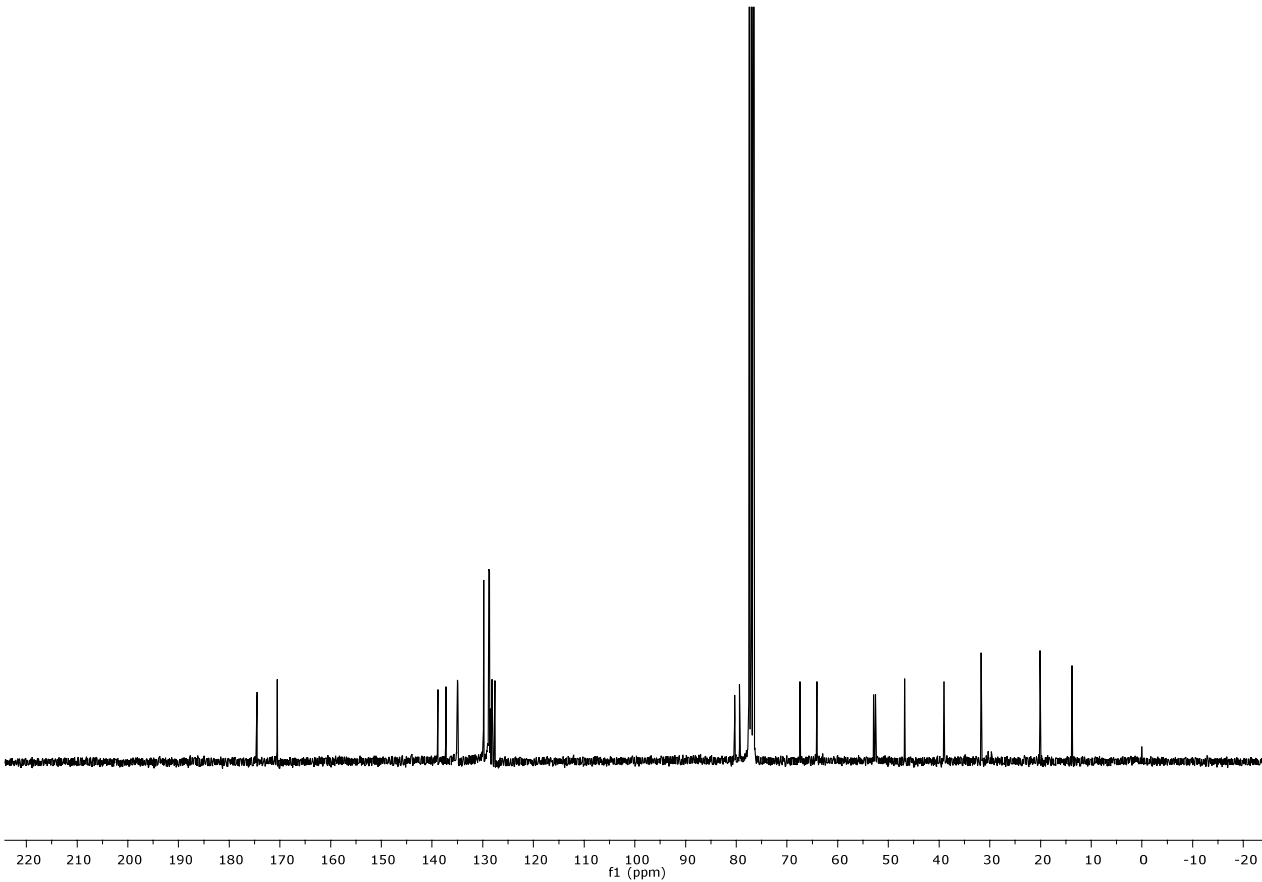
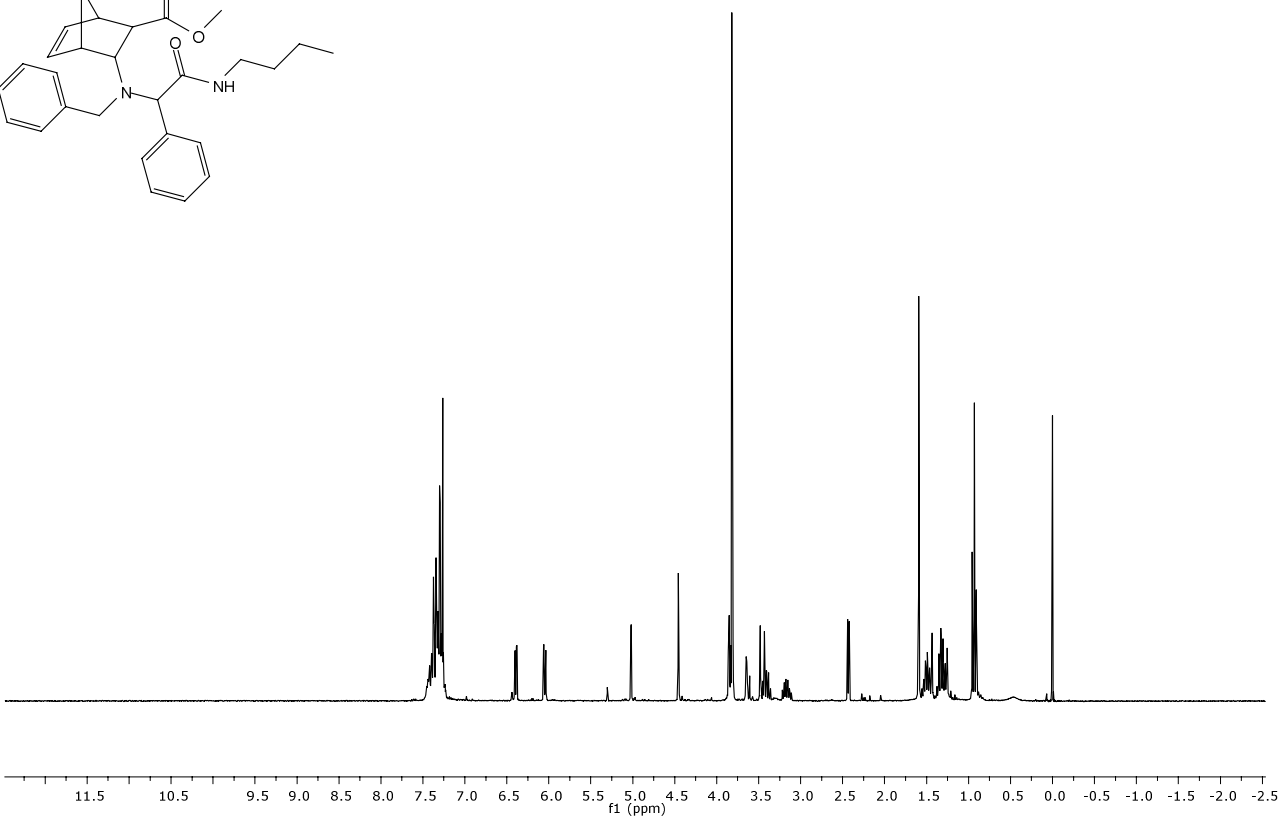
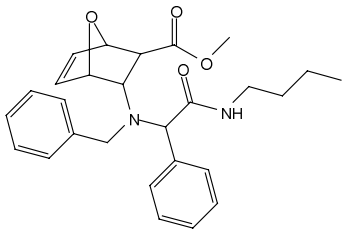
compound 11d



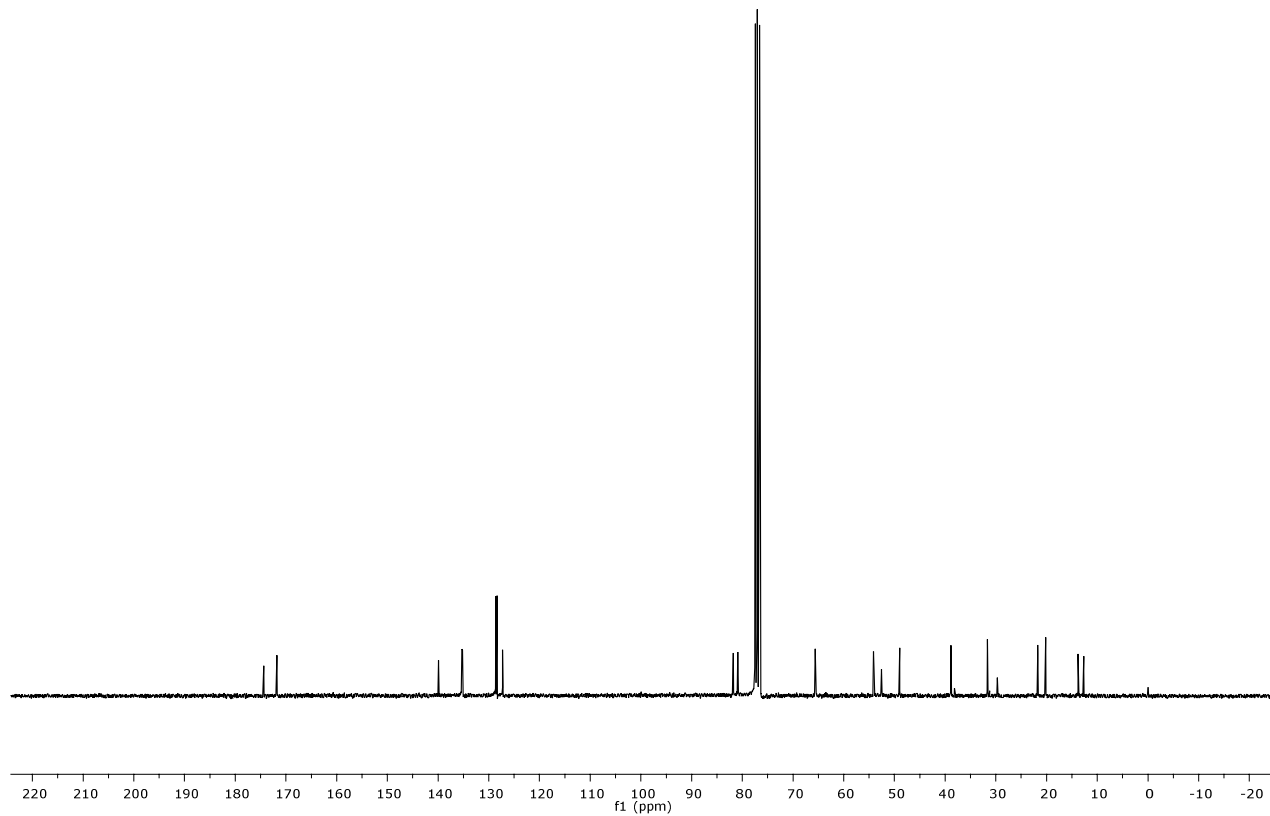
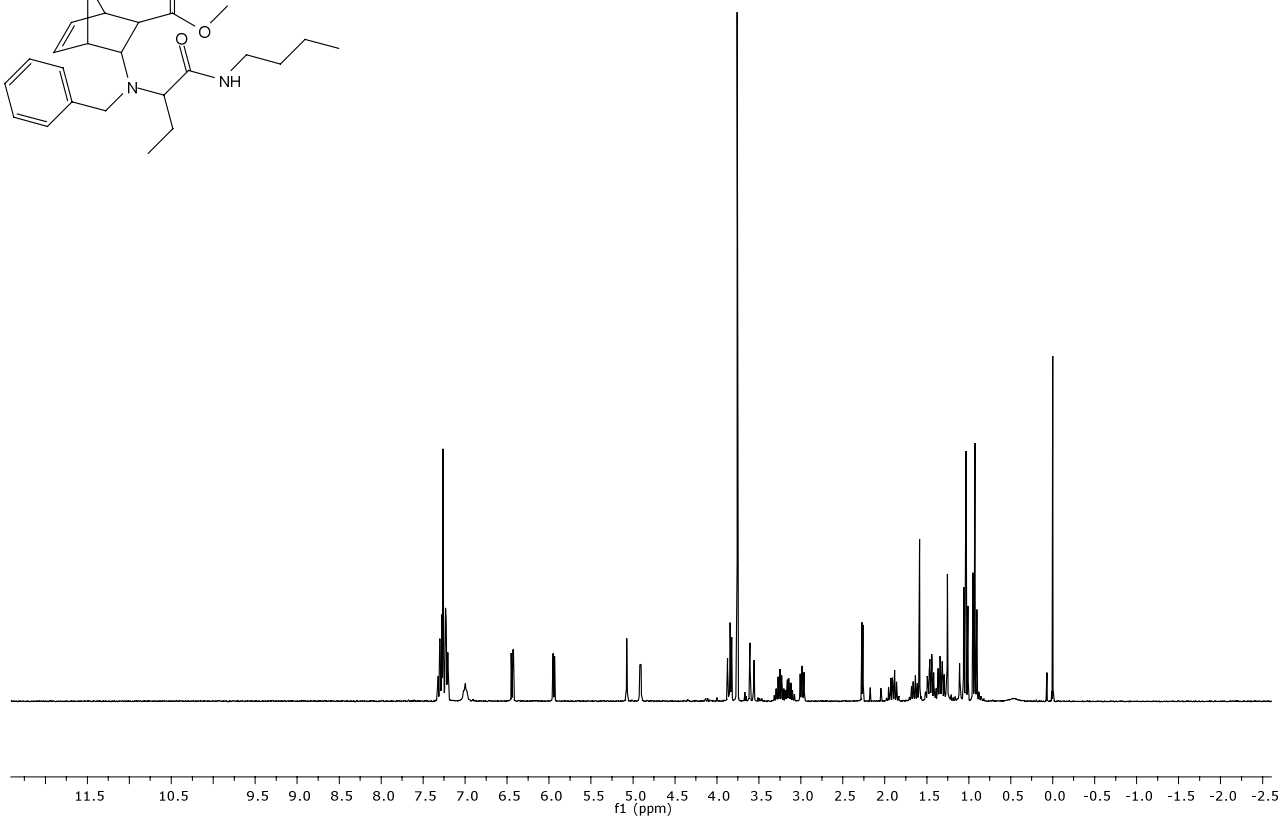
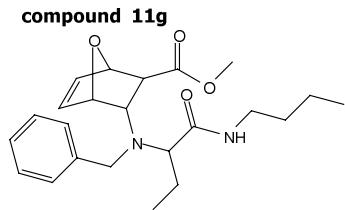
compound 11e



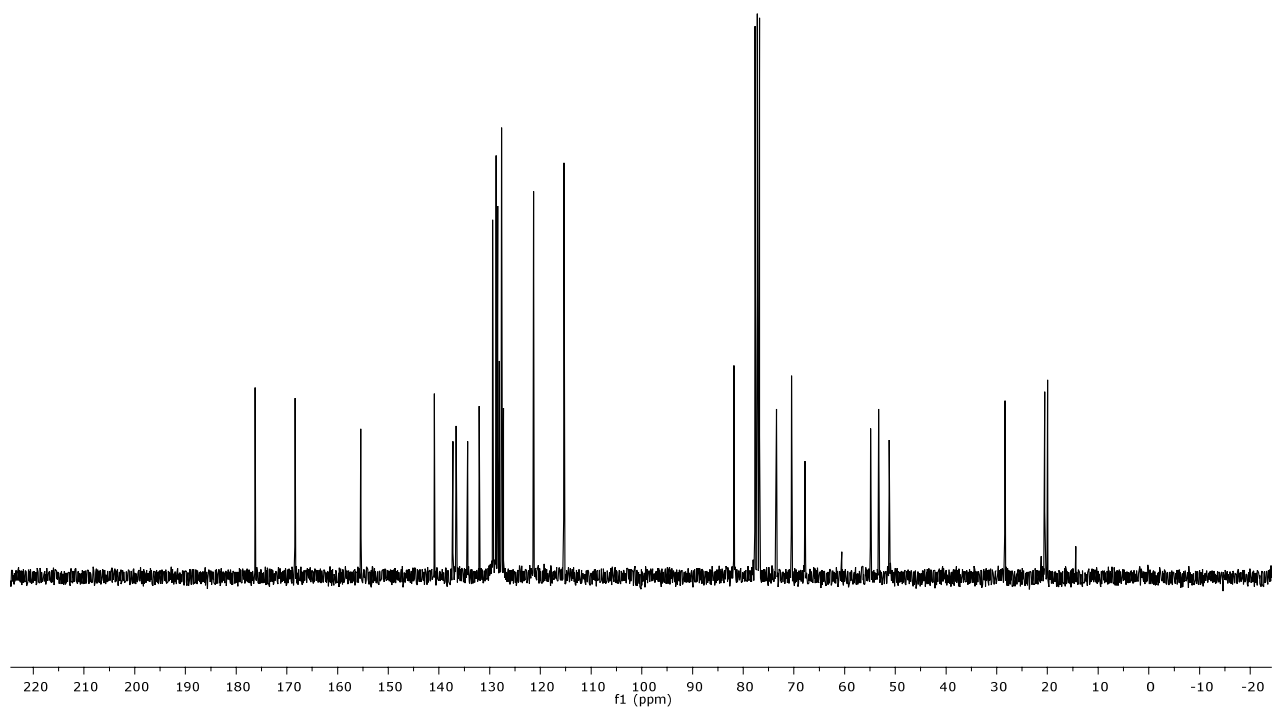
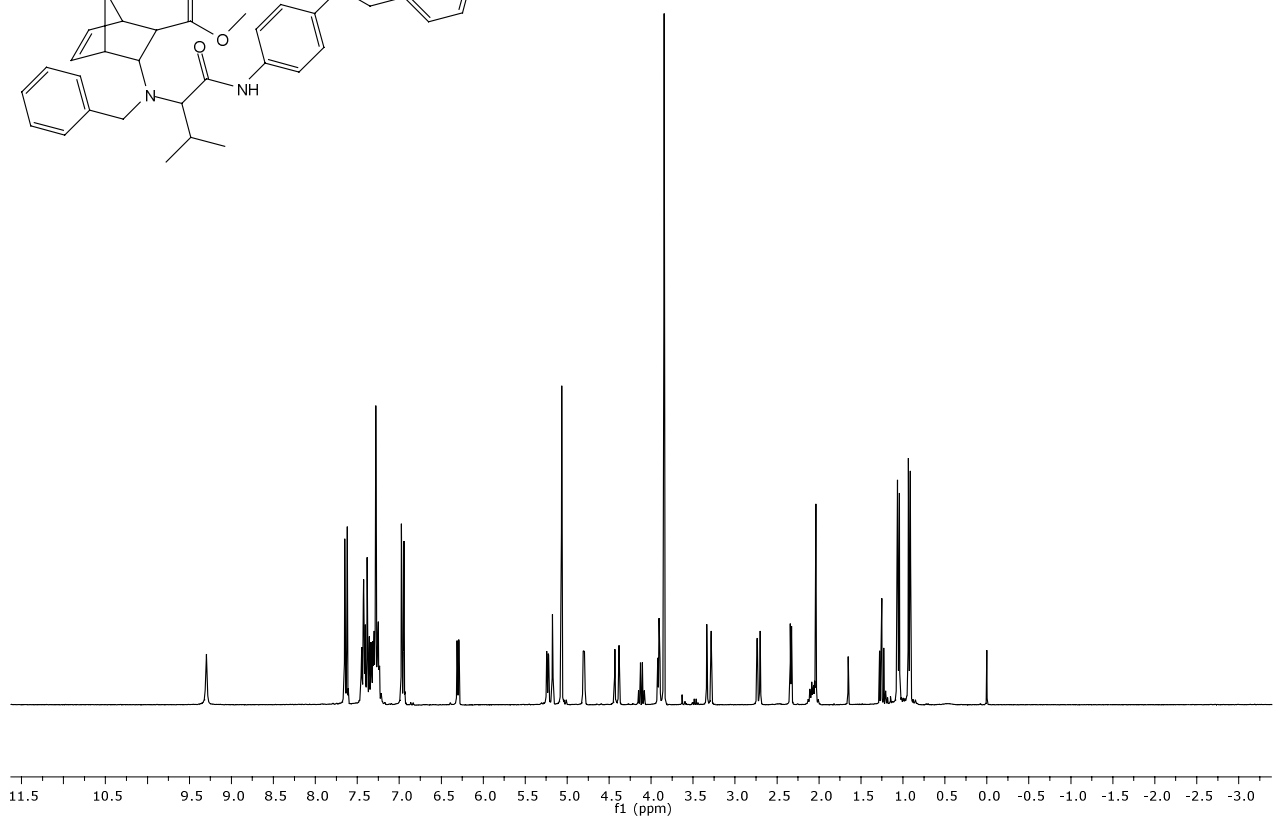
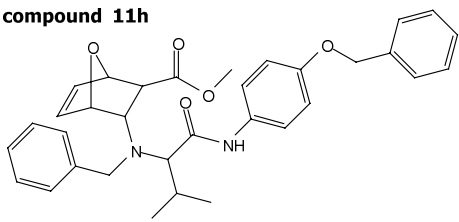
compound 11f



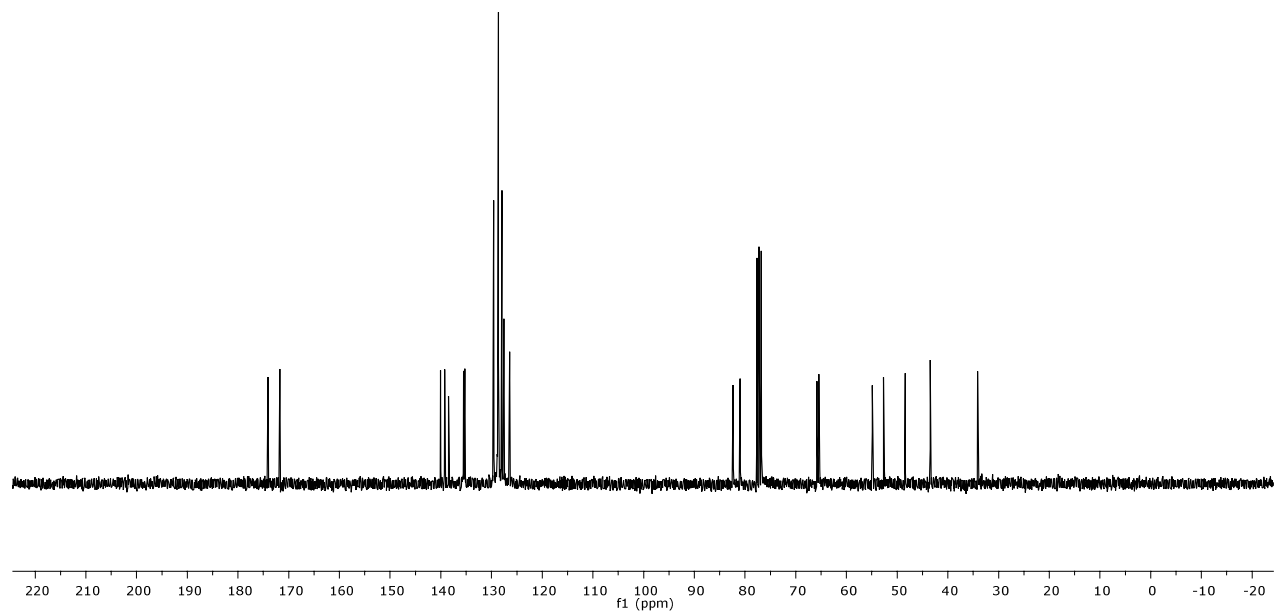
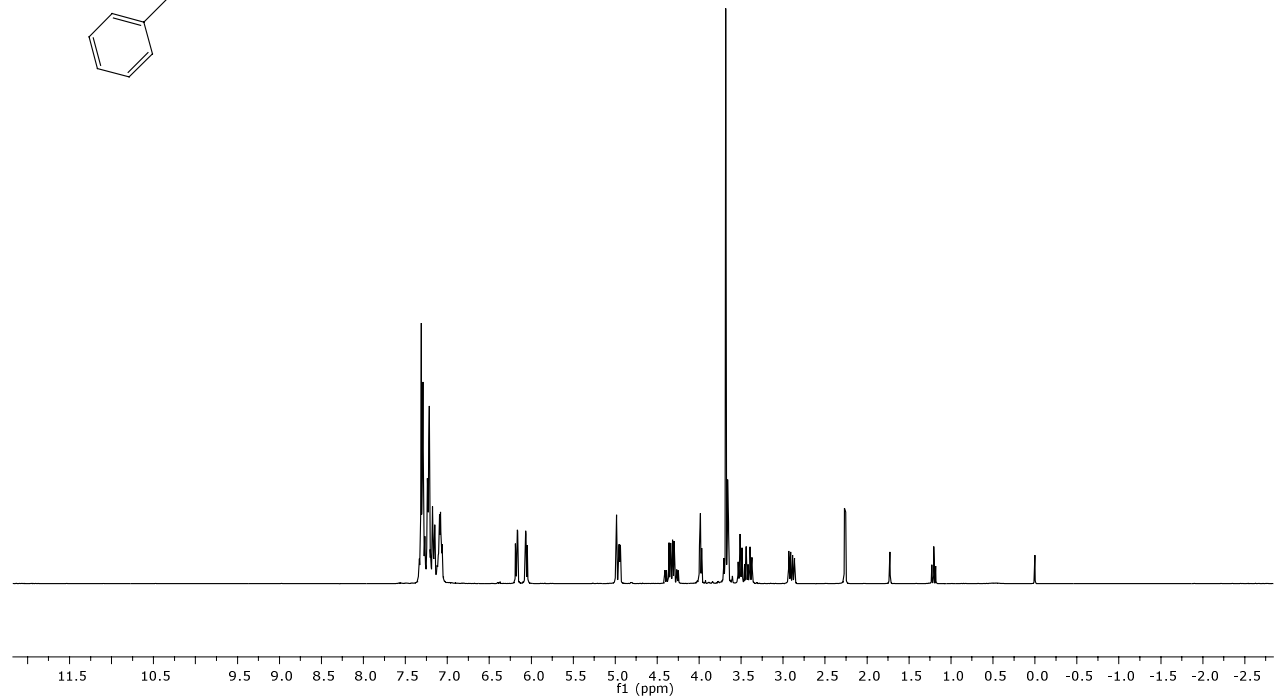
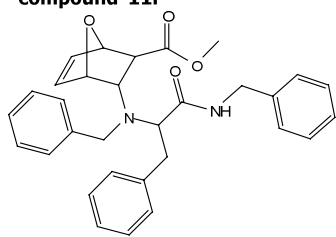
compound 11g



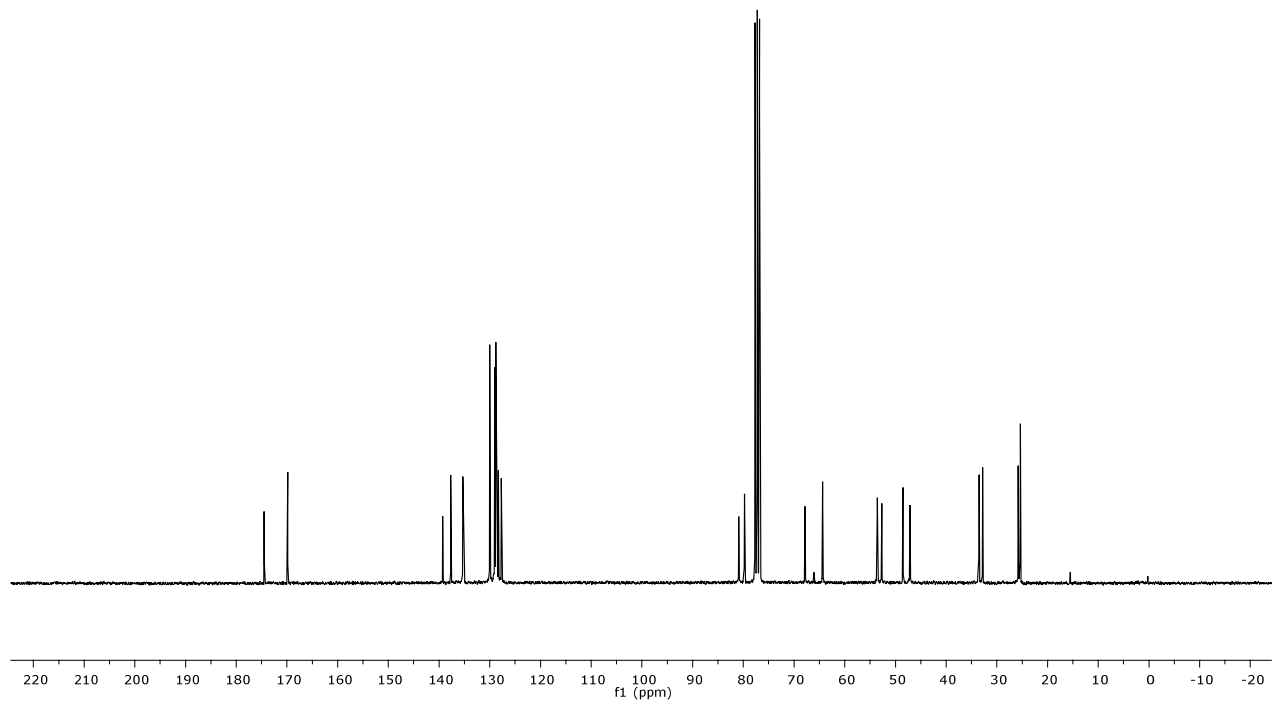
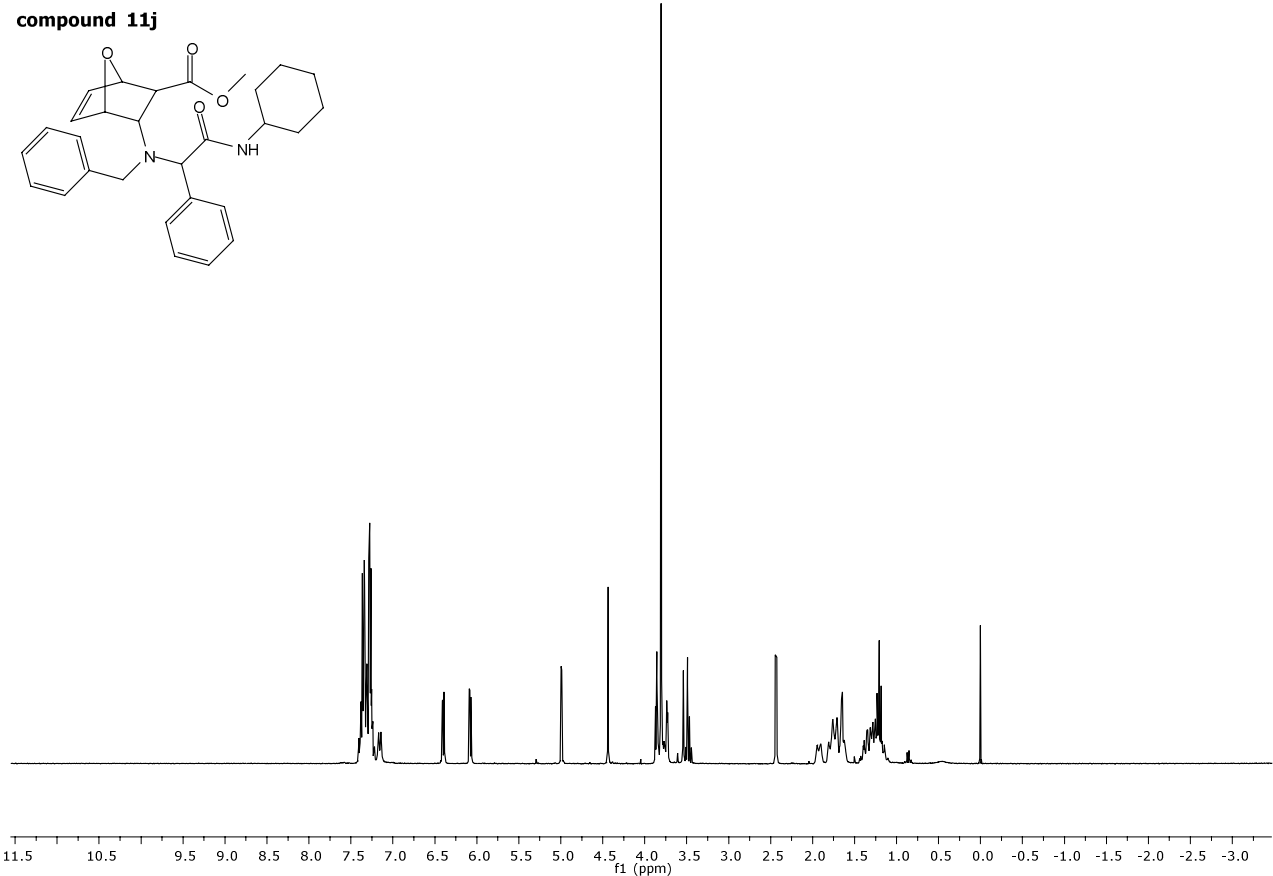
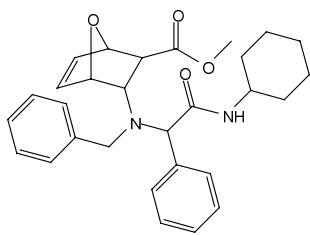
compound 11h



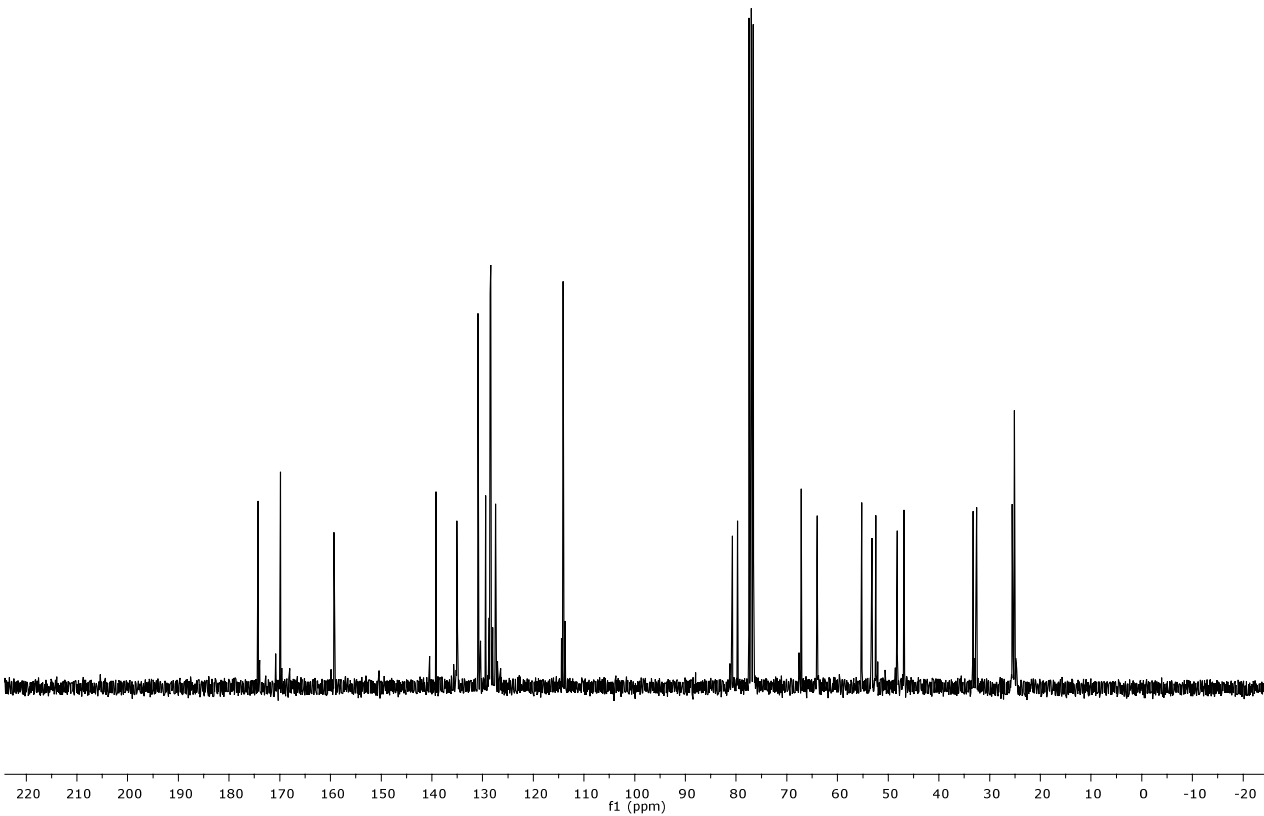
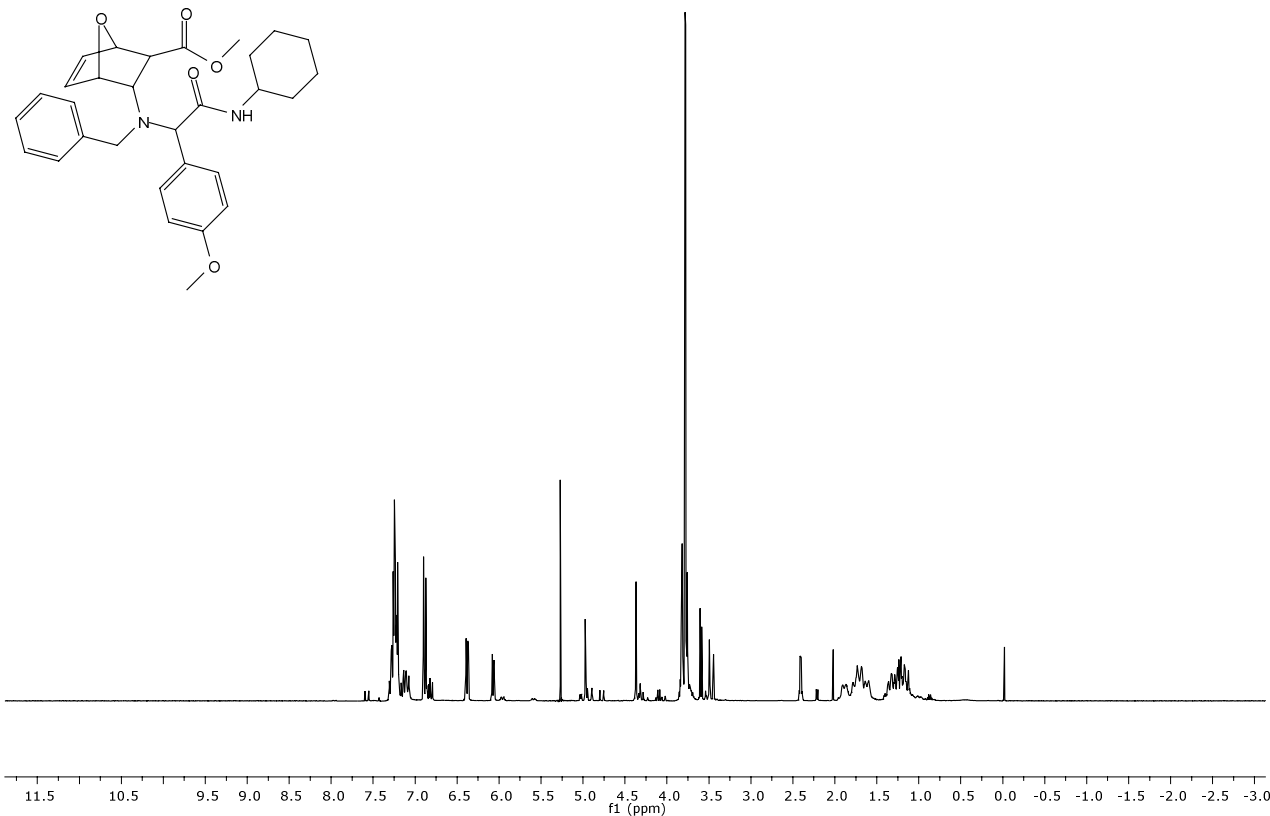
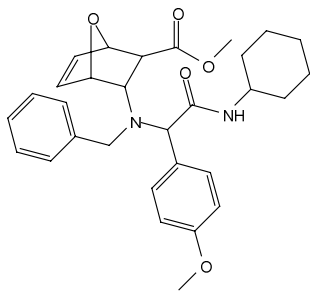
compound 11i



compound 11j



compound 11k
mix. diast.



compound 11l
mix. diast.

