Supplementary Information

Chemical Profile and Cytotoxic Activity of Leaf Extracts from *Senna* spp. from Northeast of Brazil

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Experimental and data base (NIST) MS spectra comparison by similarity

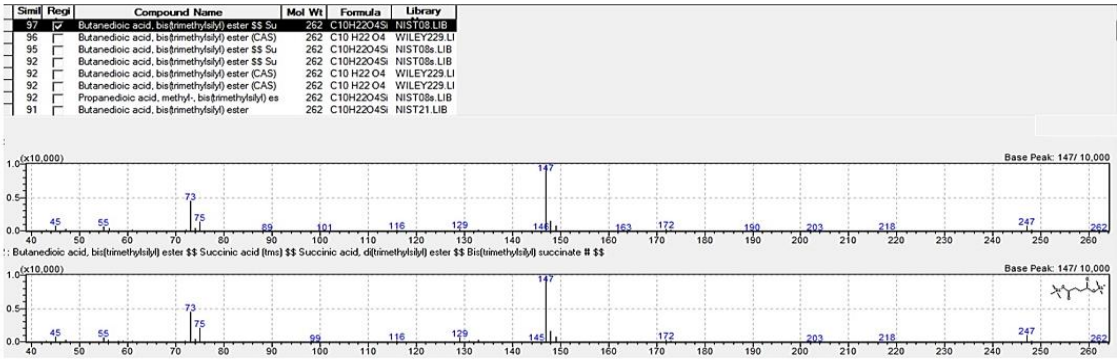

Figure S1. GC-MS chromatogram of succinic acid TMS; similarity: 97%; Rt = 6.080 min.

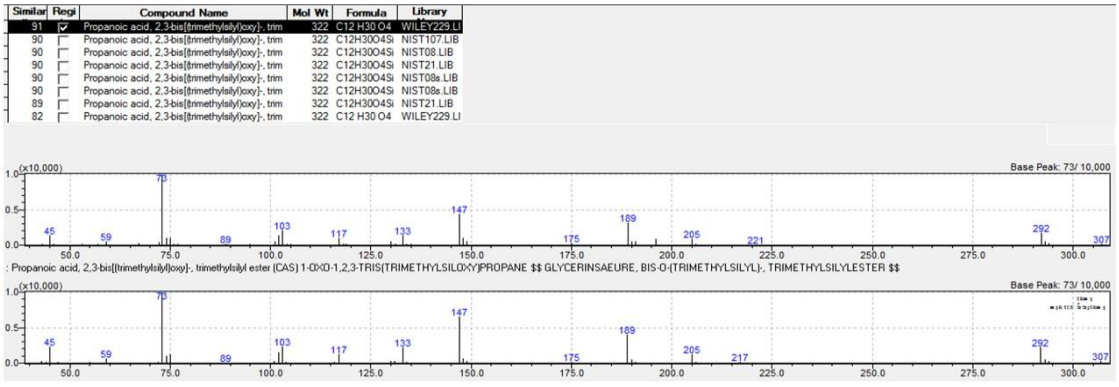

Figure S2. GC-MS chromatogram of glyceric acid TMS; similarity: 91%; Rt = 6.268 min.

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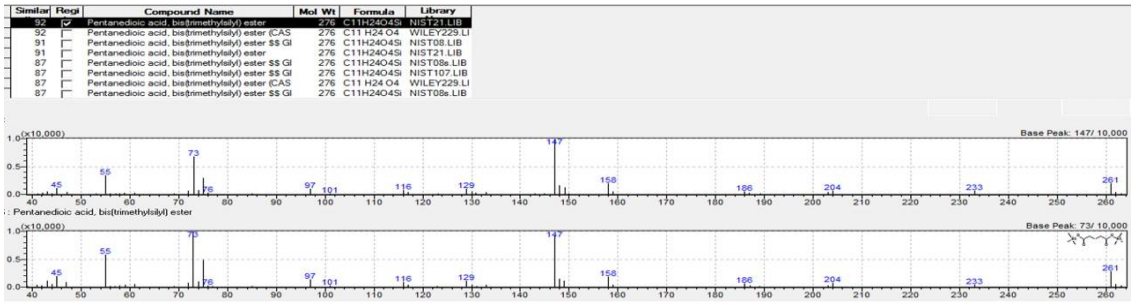

Figure S3. GC-MS chromatogram of pentanedioic acid TMS; similarity: 92%; Rt = 8.615 min.

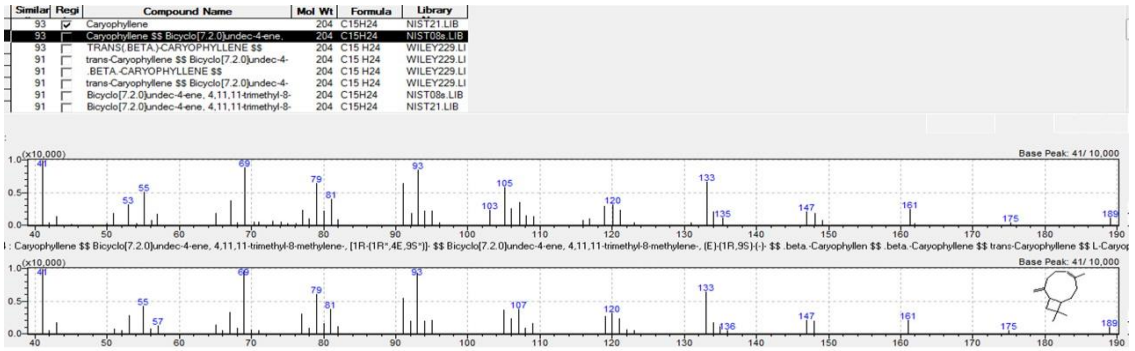

Figure S4. GC-MS chromatogram of β-caryophyllene; similarity: 93%; Rt = 8.989 min.

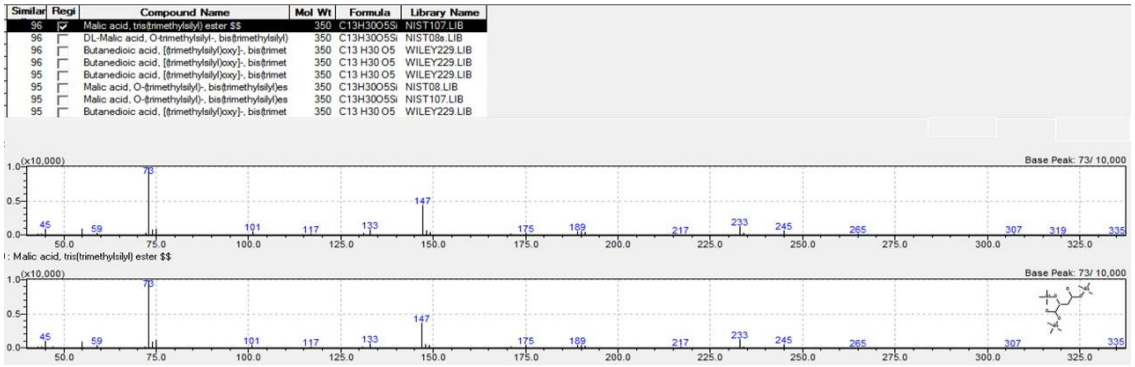

Figure S5. GC-MS chromatogram of malic acid TMS; similarity: 96%; Rt = 10.980 min.

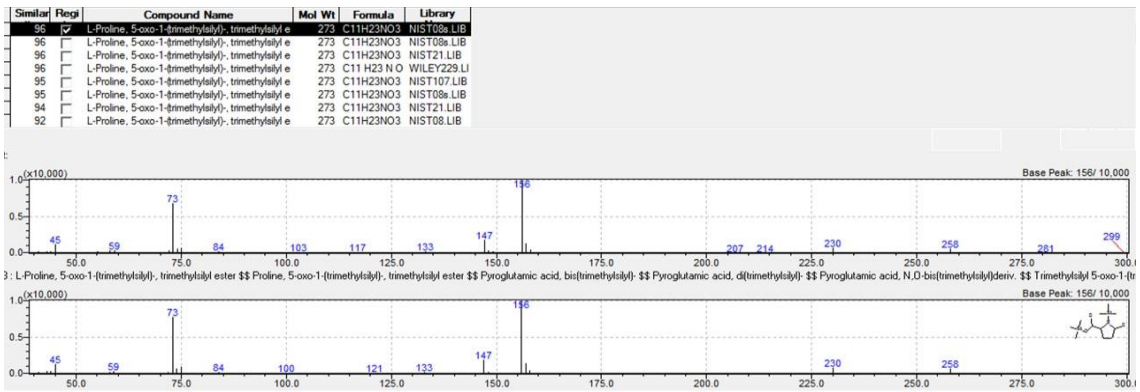

Figure S6. GC-MS chromatogram of pyroglutamic acid TMS; similarity: 96%; Rt = 11.731 min.

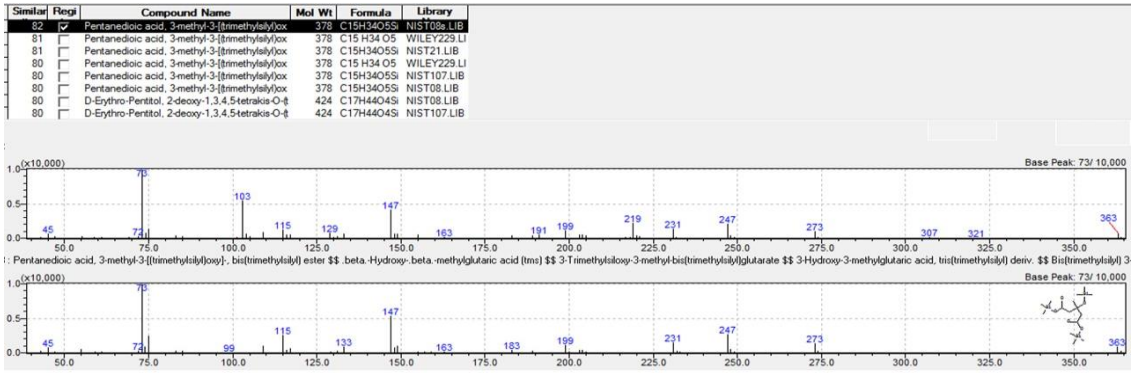

Figure S7. GC-MS chromatogram of 3-hydroxy-3-methylglutaric acid TMS; similarity: 82%; Rt = 14.946 min.

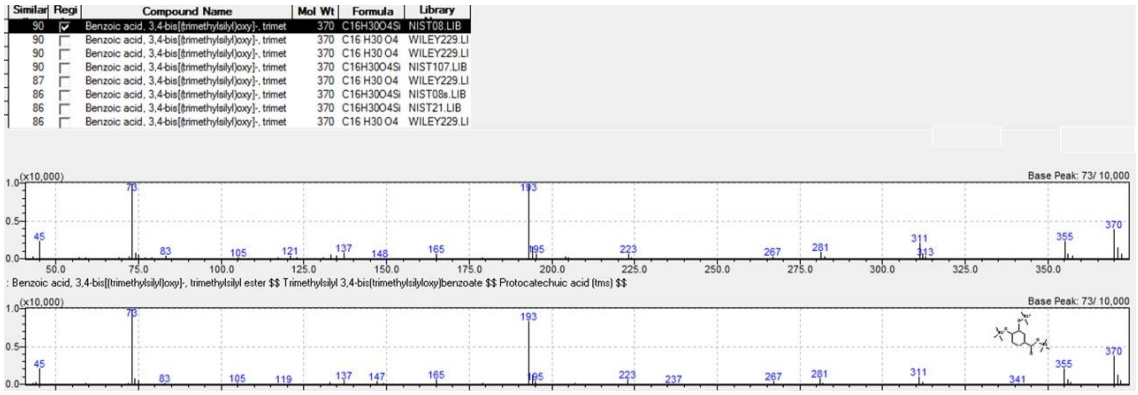

Figure S8. GC-MS chromatogram of benzoic acid TMS; similarity: 90%; Rt = 21.879 min.

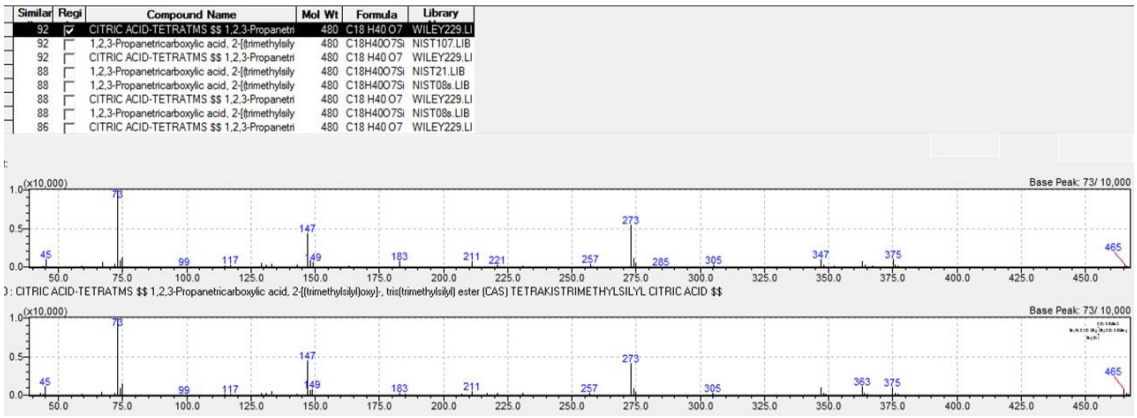

Figure S9. GC-MS chromatogram of citric acid TMS; similarity: 92%; Rt = 21.987 min.

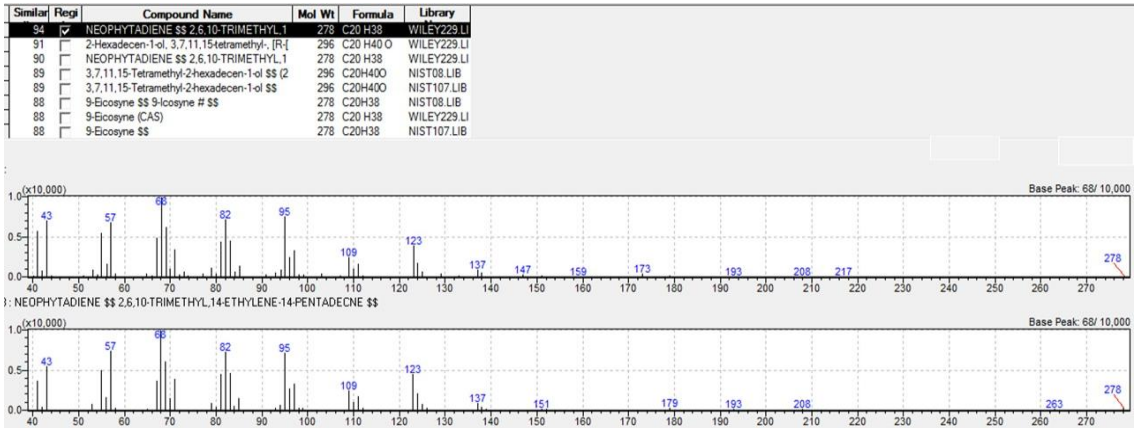

Figure S10. GC-MS chromatogram of neophytadiene; similarity: 94%; Rt = 22.788 min.

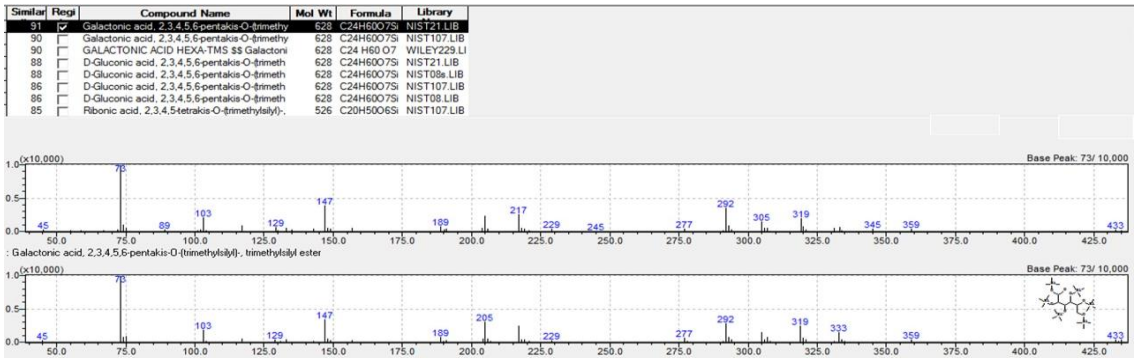

Figure S11. GC-MS chromatogram of galactonic acid TMS; similarity: 91%; Rt = 27.789 min.

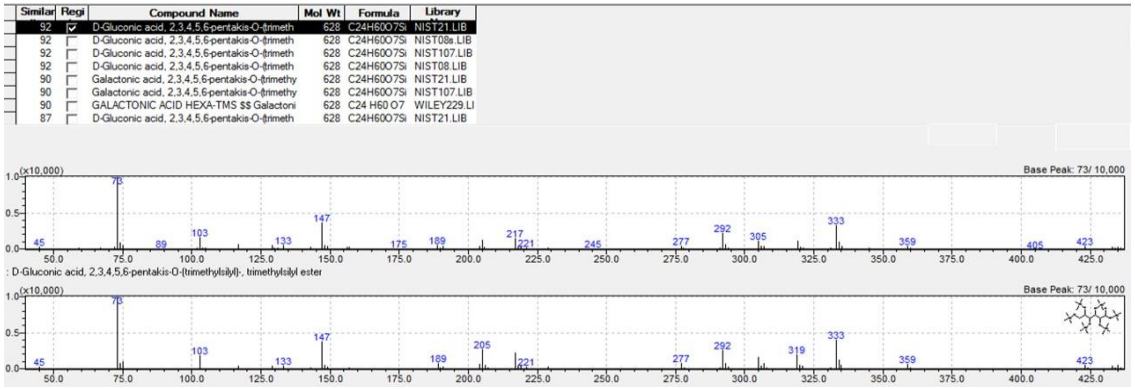

Figure S12. GC-MS chromatogram of gluconic acid TMS; similarity: 92%; Rt = 27.963 min.

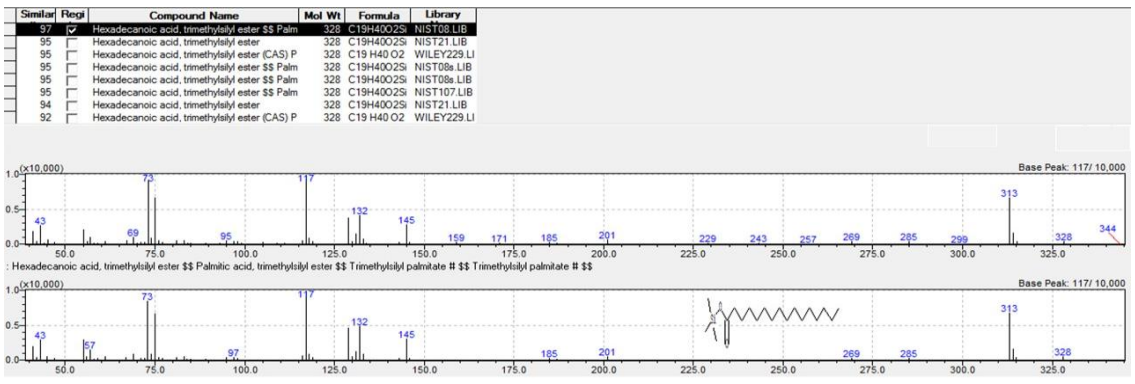

Figure S13. GC-MS chromatogram of hexadecanoic acid TMS; similarity: 97%; Rt = 29.571 min.

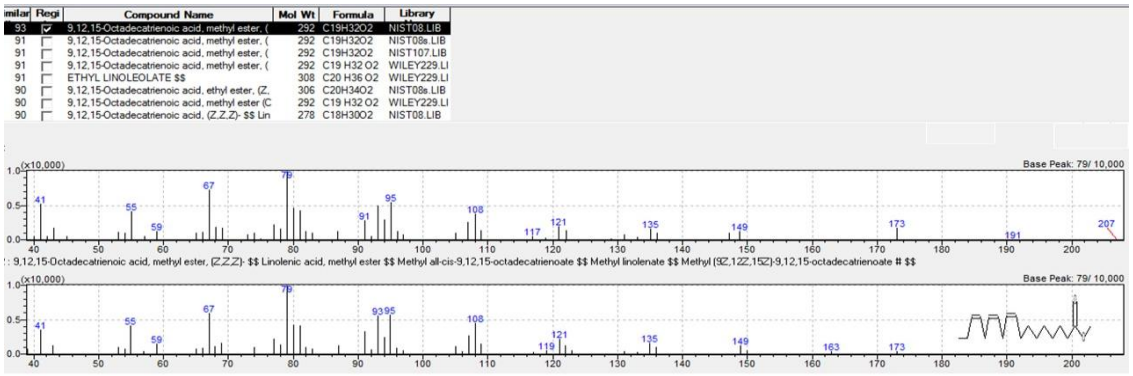

Figure S14. GC-MS chromatogram of linolenic acid methyl ester; similarity: 93%; Rt = 31.199 min.

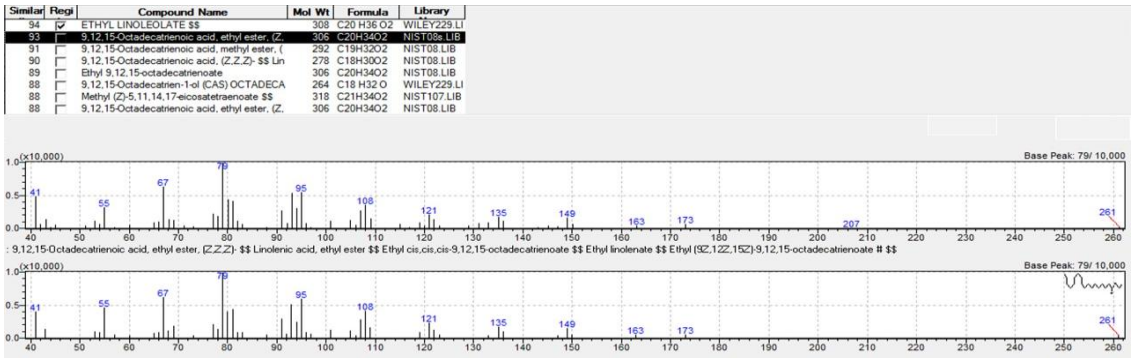

Figure S15. GC-MS chromatogram of linolenic acid ethyl ester; similarity: 93%; Rt = 33.242 min.

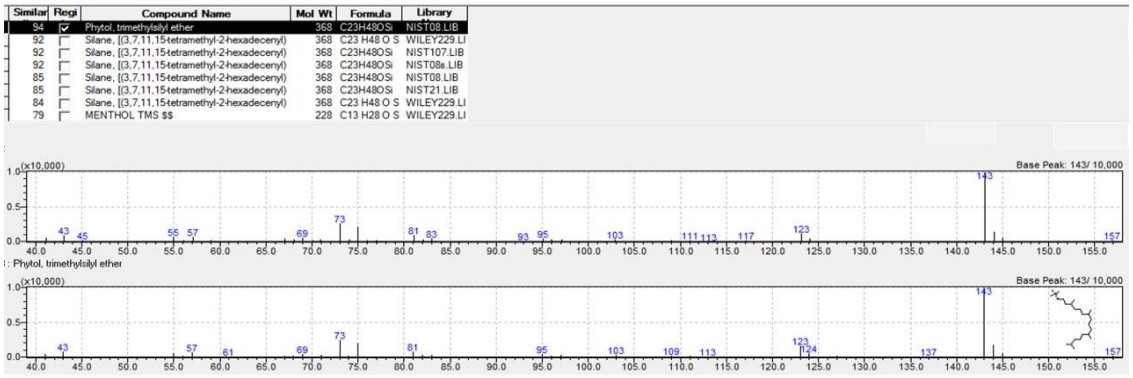

Figure S16. GC-MS chromatogram of phytol TMS; similarity: 94%; Rt = 33.393 min.

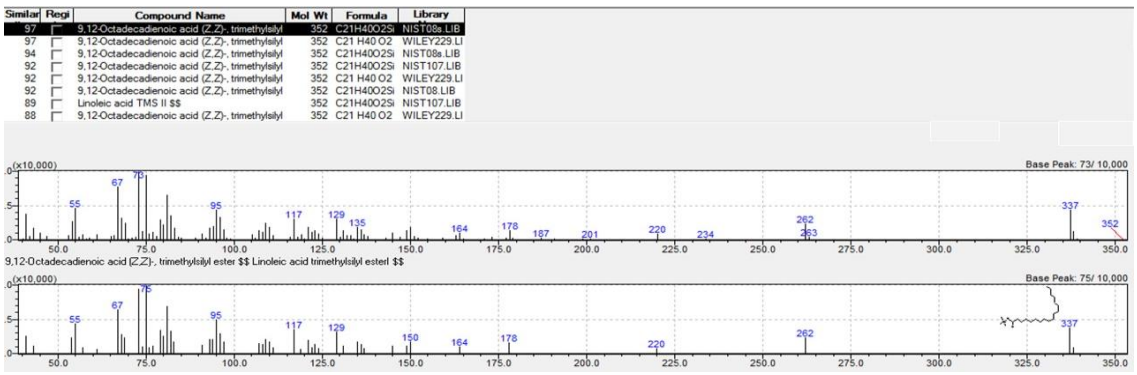

Figure S17. GC-MS chromatogram of linoleic acid TMS; similarity: 97%; Rt = 34.403 min.

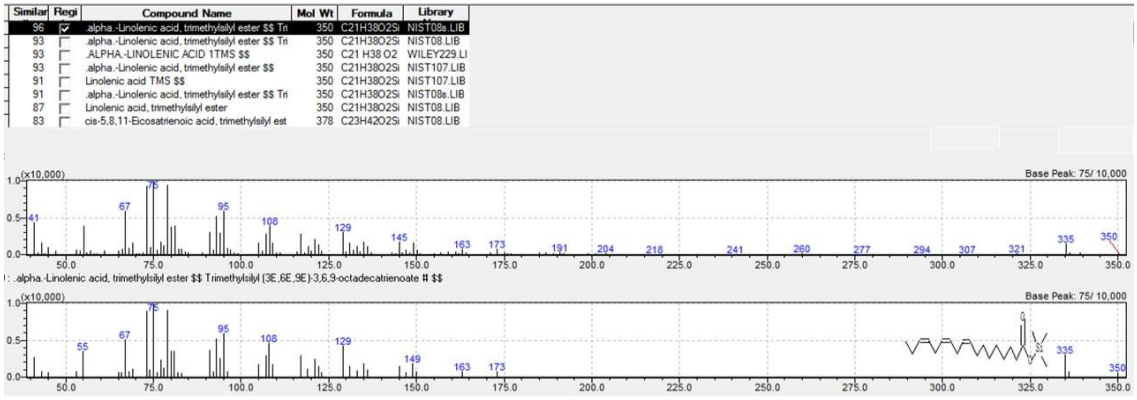

Figure S18. GC-MS chromatogram of α-linolenic acid TMS; similarity: 96%; Rt = 34.574 min.

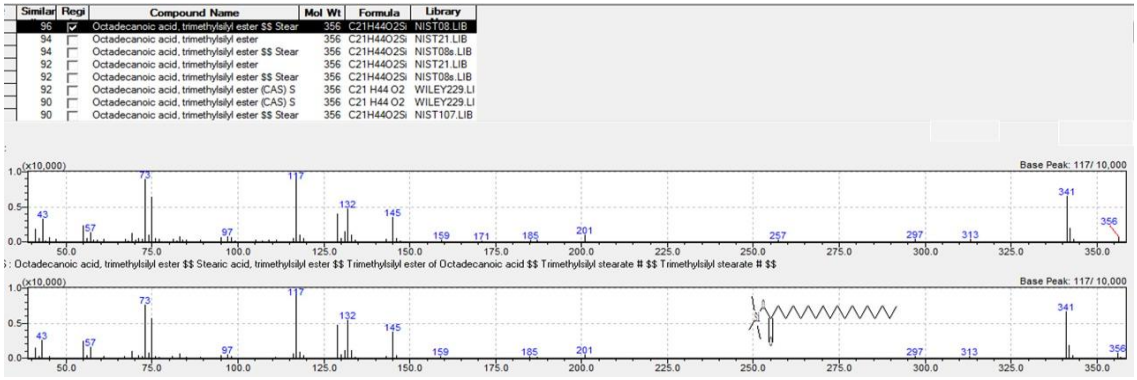

Figure S19. GC-MS chromatogram of stearic acid TMS; similarity: 96%; Rt = 35.459 min.

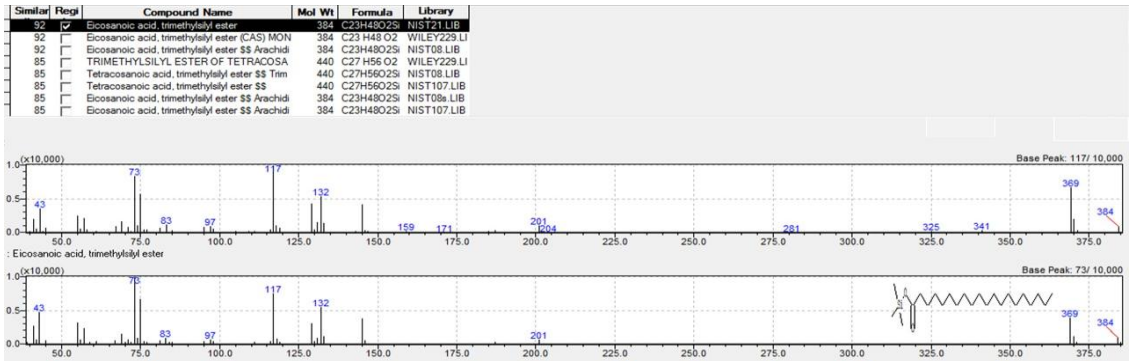

Figure S20. GC-MS chromatogram of eicosanoic acid TMS; similarity: 92%; Rt = 40.831 min.

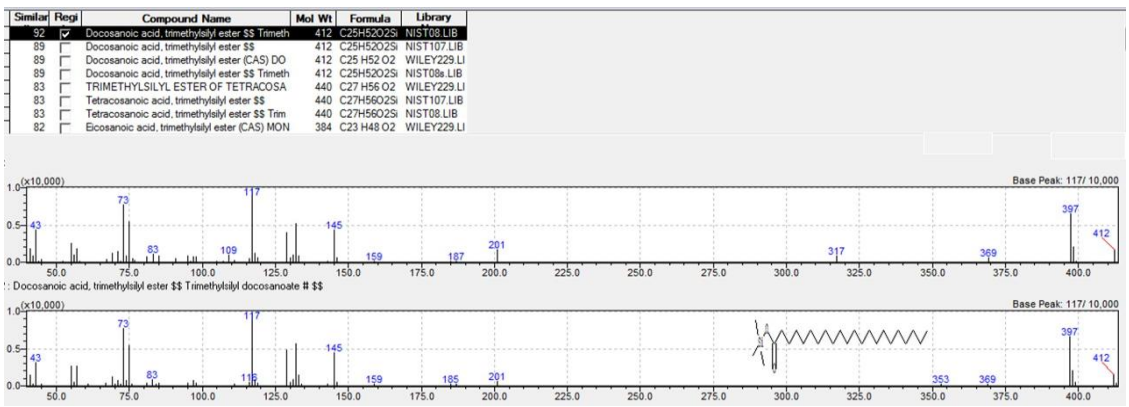

Figure S21. GC-MS chromatogram of docosanoic acid TMS; similarity: 92%; Rt = 45.898 min.

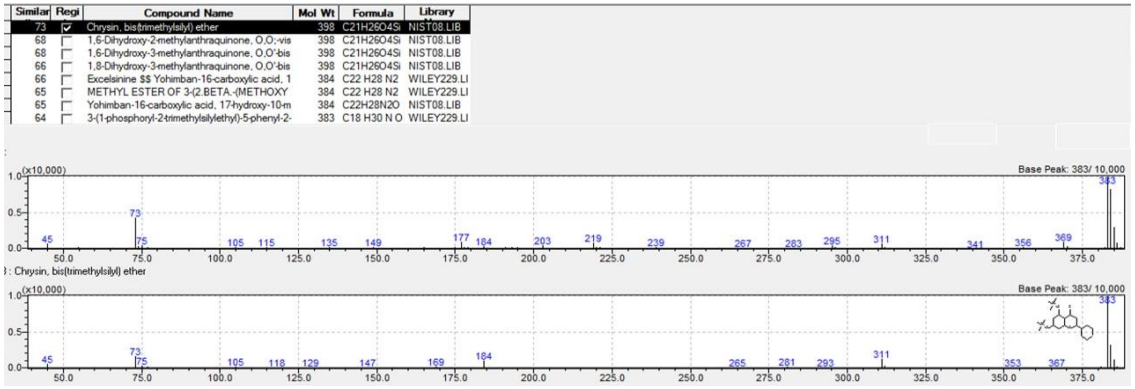

Figure S22. GC-MS chromatogram of chrysin TMS; similarity: 73%; Rt = 46.710 min.

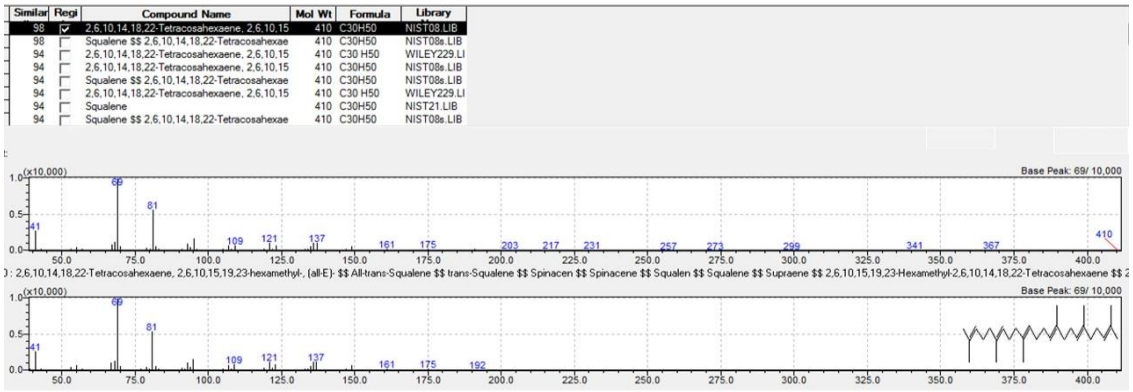

Figure S23. GC-MS chromatogram of squalene; similarity: 98%; Rt = 49.998 min.

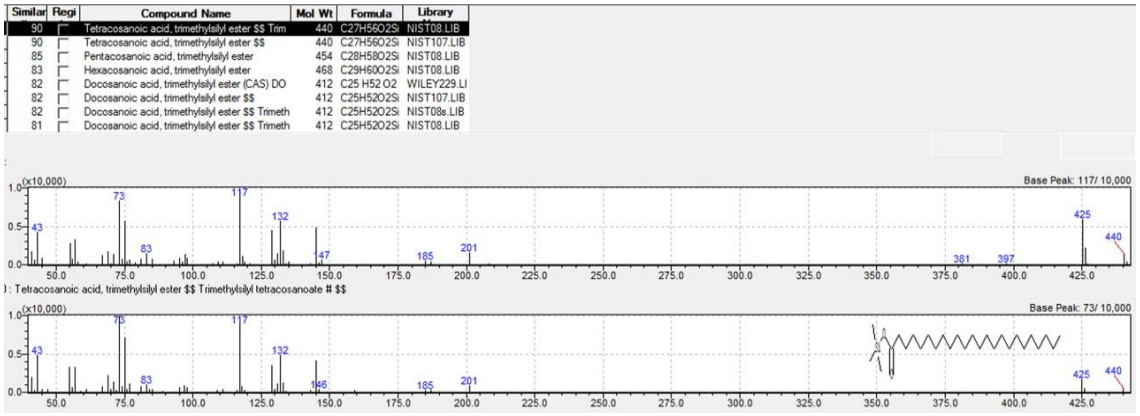

Figure S24. GC-MS chromatogram of tetracosanoic acid TMS; similarity: 90%; Rt = 50.716 min.

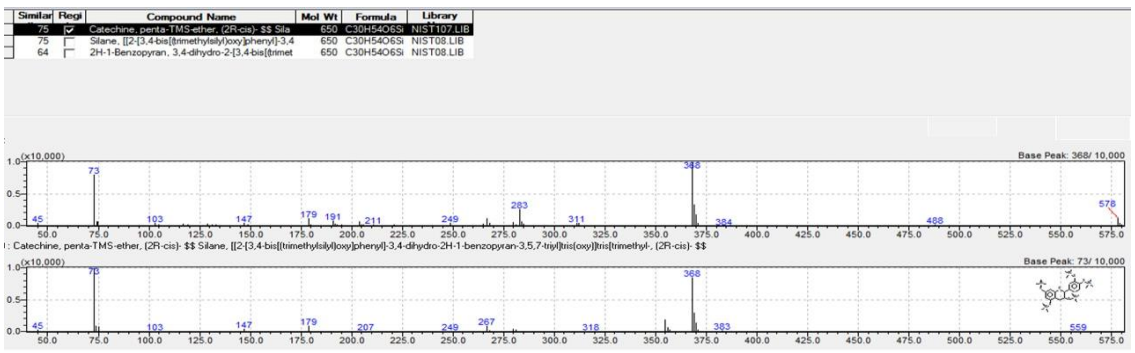

Figure S25. GC-MS chromatogram of *trans*-catechine TMS; similarity: 75%; Rt = 53.176 min.

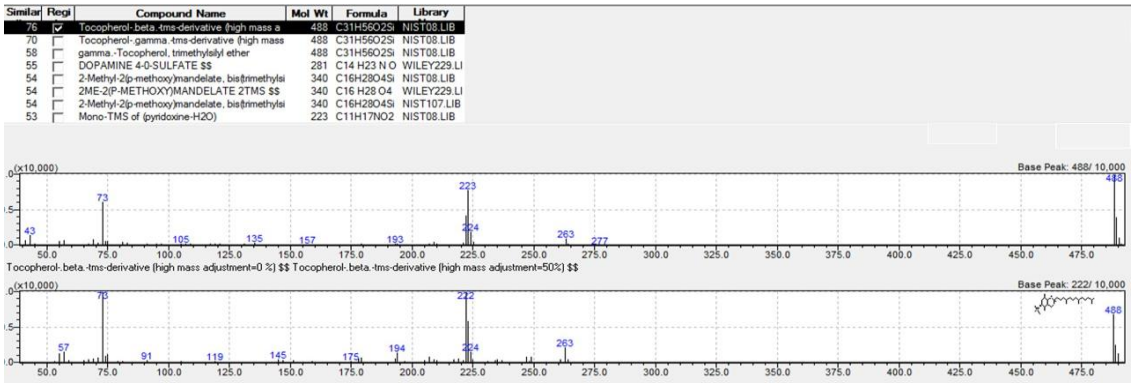

Figure S26. GC-MS chromatogram of β-tocoferol TMS; similarity: 76%; Rt = 54.152 min.

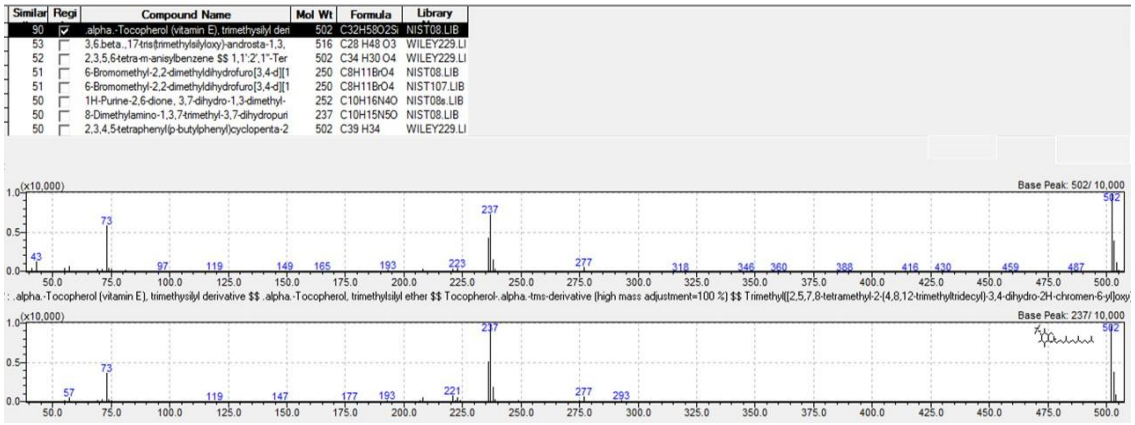

Figure S27. GC-MS chromatogram of α-tocoferol TMS; similarity: 76%; Rt = 56.925 min.

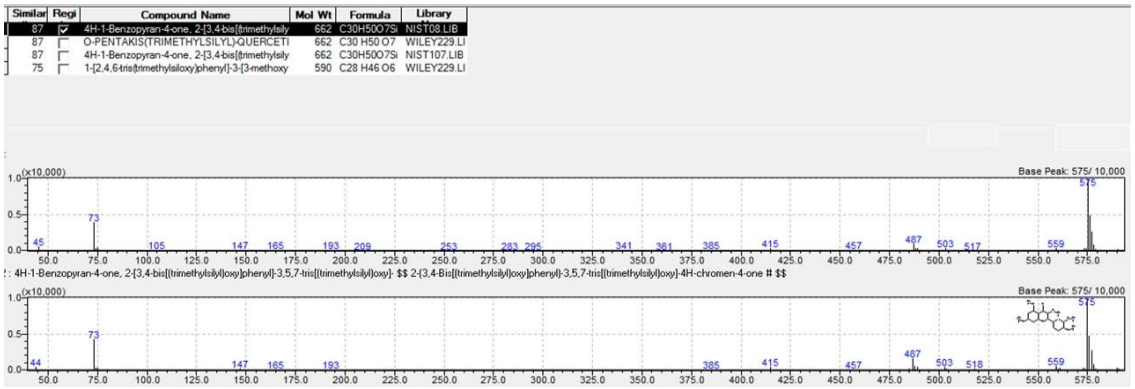

Figure S28. GC-MS chromatogram of quercetin TMS; similarity: 87%; Rt = 57.501 min.

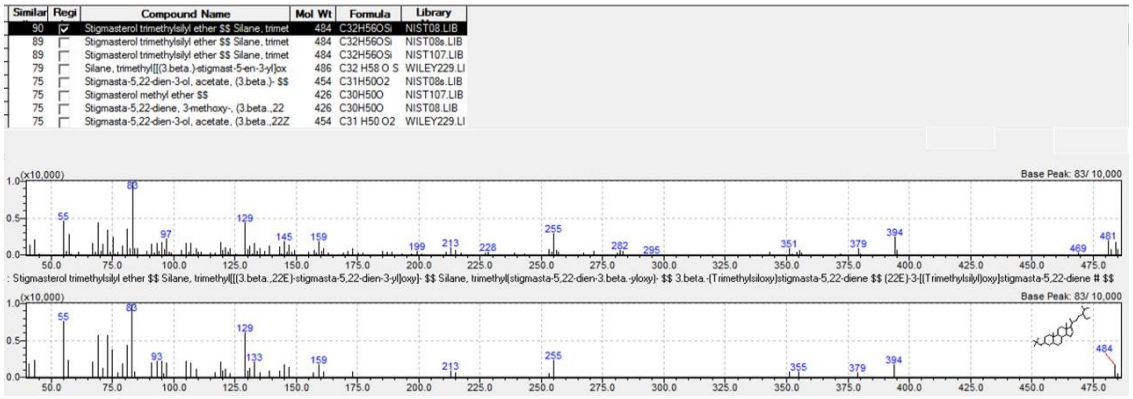

Figure S29. GC-MS chromatogram of stigmasterol TMS; similarity: 90%; Rt = 59.460 min.

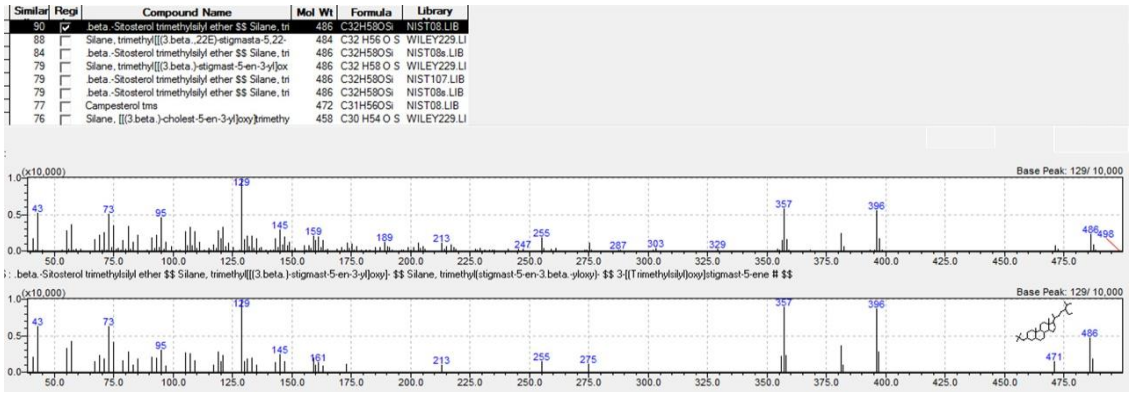

Figure S30. GC-MS chromatogram of β-sitosterol TMS; similarity: 90%; Rt = 60.668 min.

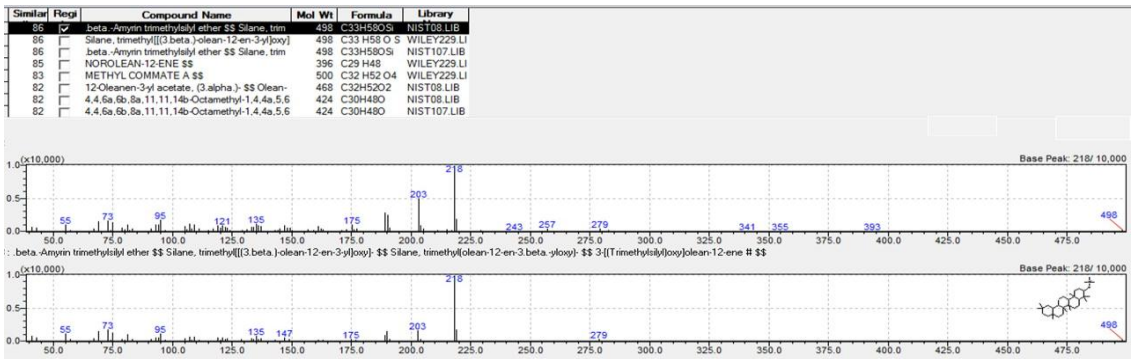

Figure S31. GC-MS chromatogram of β-amyrin TMS; similarity: 86%; Rt = 60.895 min.

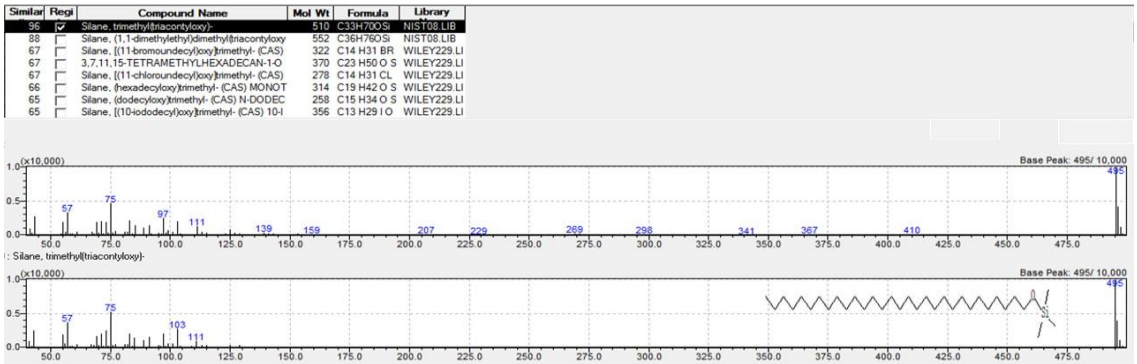

Figure S32. GC-MS chromatogram of 1-triacontanol TMS; similarity: 96%; Rt = 61.418 min.

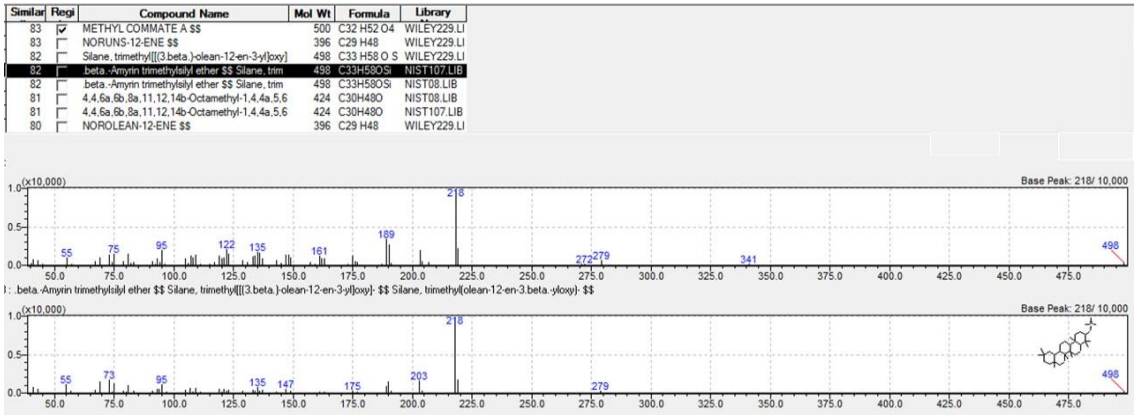

Figure S33. GC-MS chromatogram of α-amyrin TMS; similarity: 82%; Rt = 61.885 min.

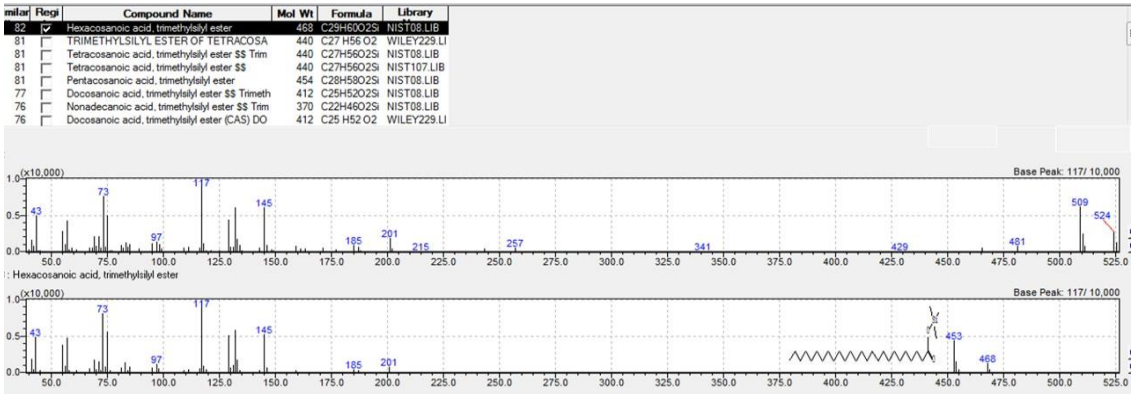

Figure S34. GC-MS chromatogram of triacontanoic acid TMS; Rt = 63.136 min.