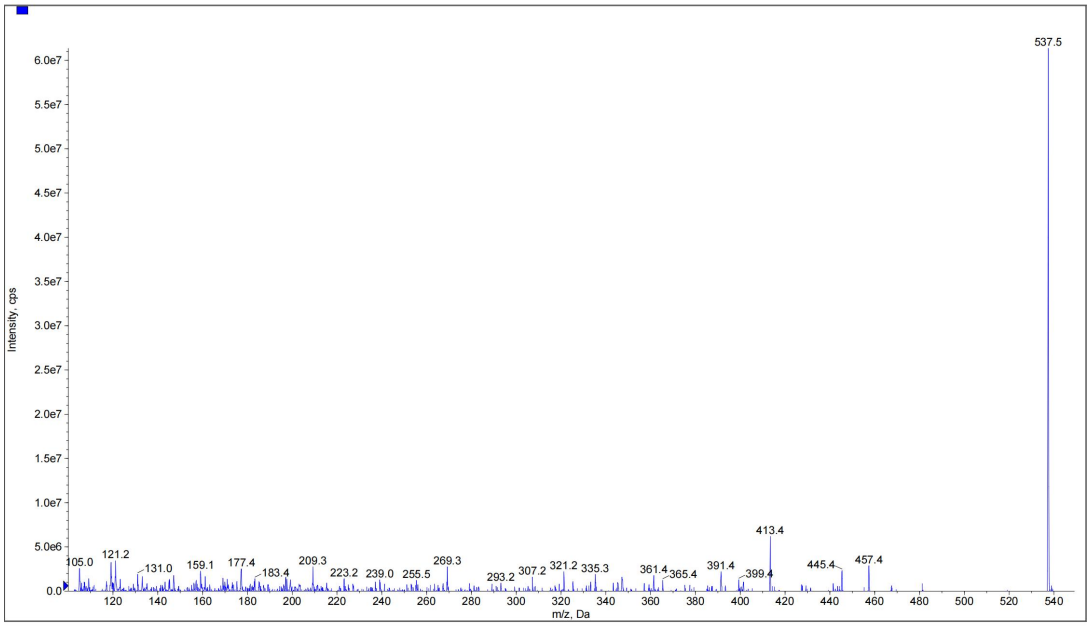
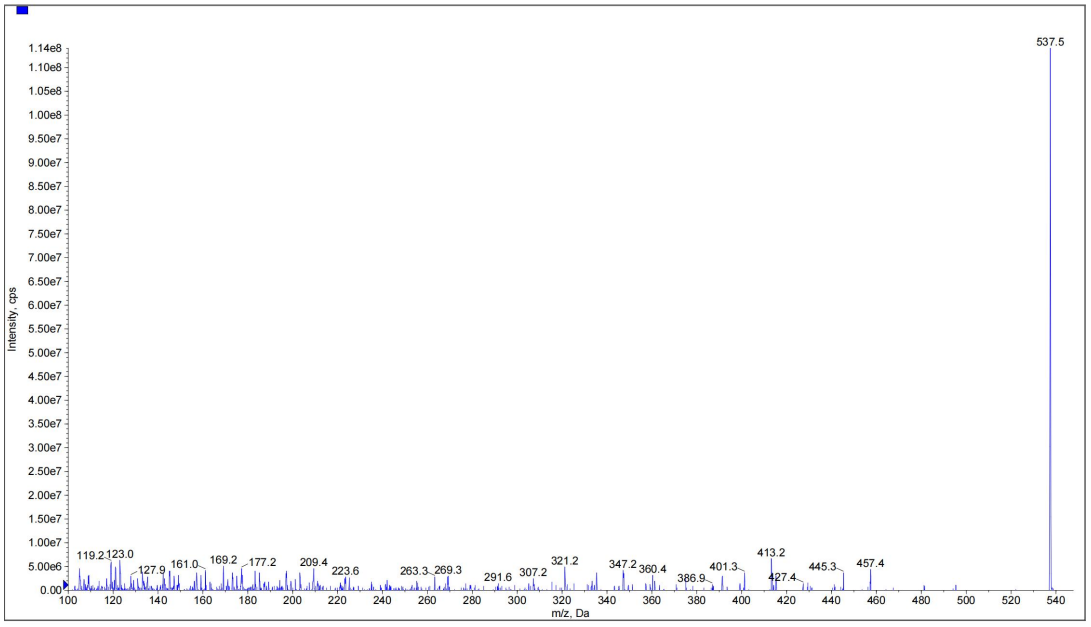
Supplementary Figure S1. The mass spectum of 25 carotenoids analyzed by LC-MS/MS.

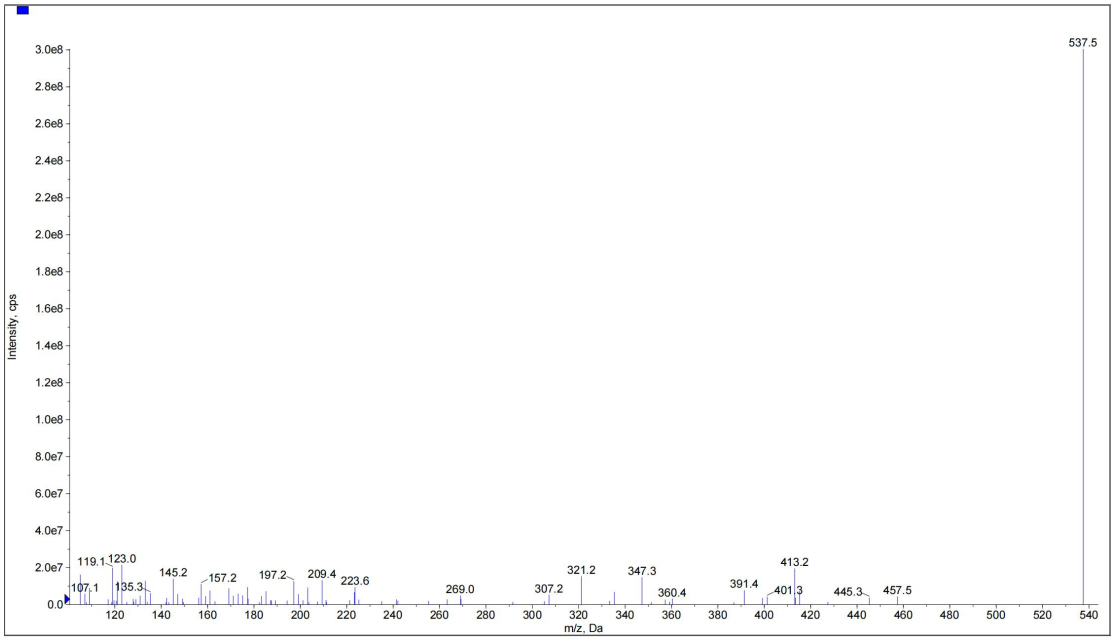
α -Carotene



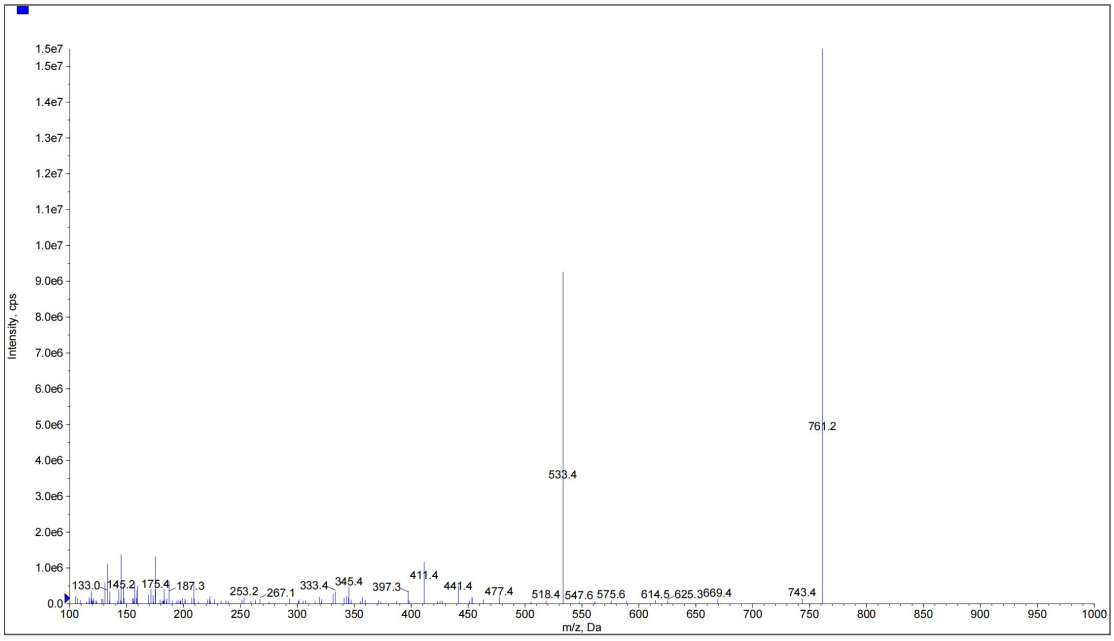
β -Carotene



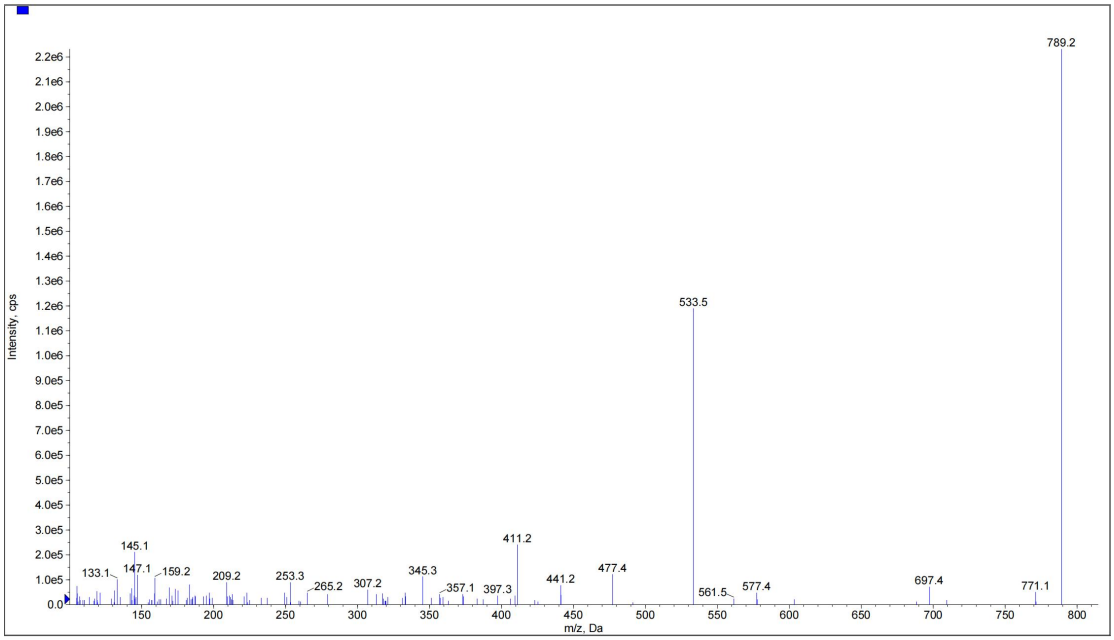
ε -Carotene



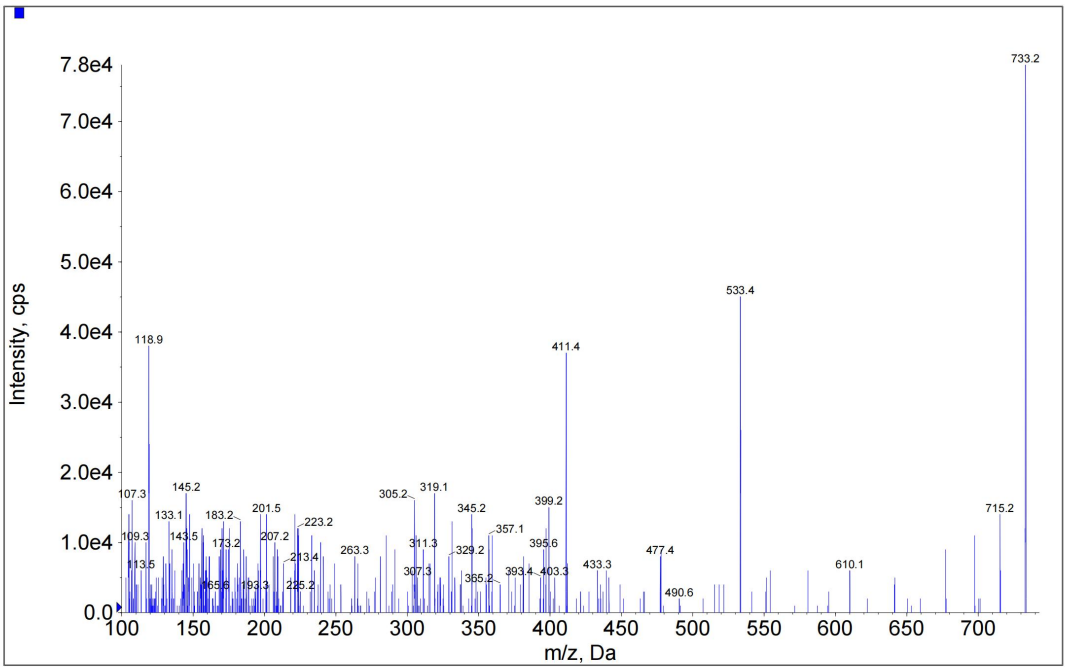
Lutein-myristate



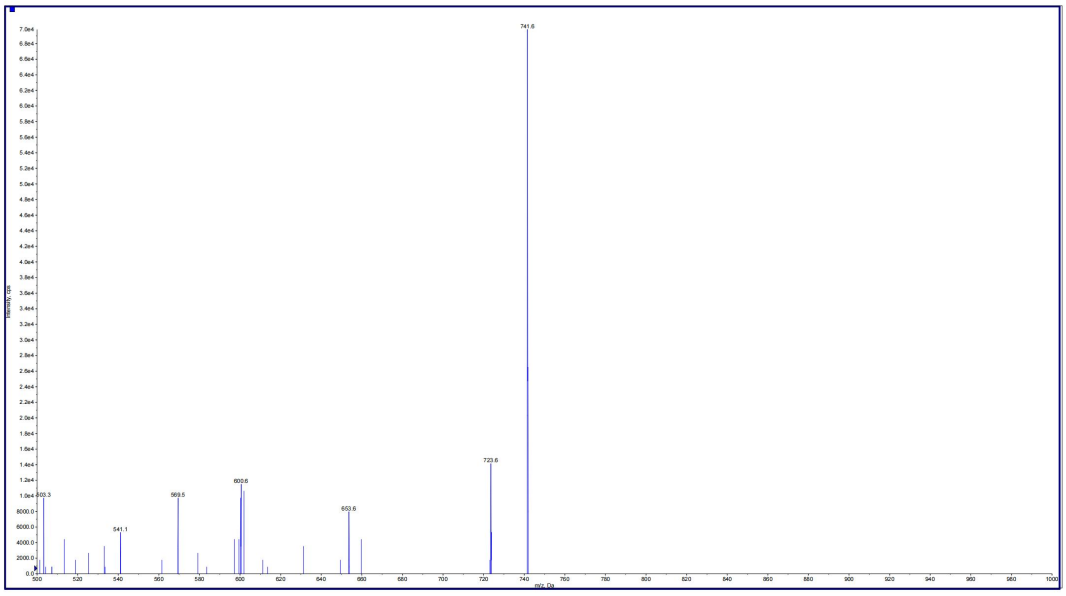
Lutein-palmitate



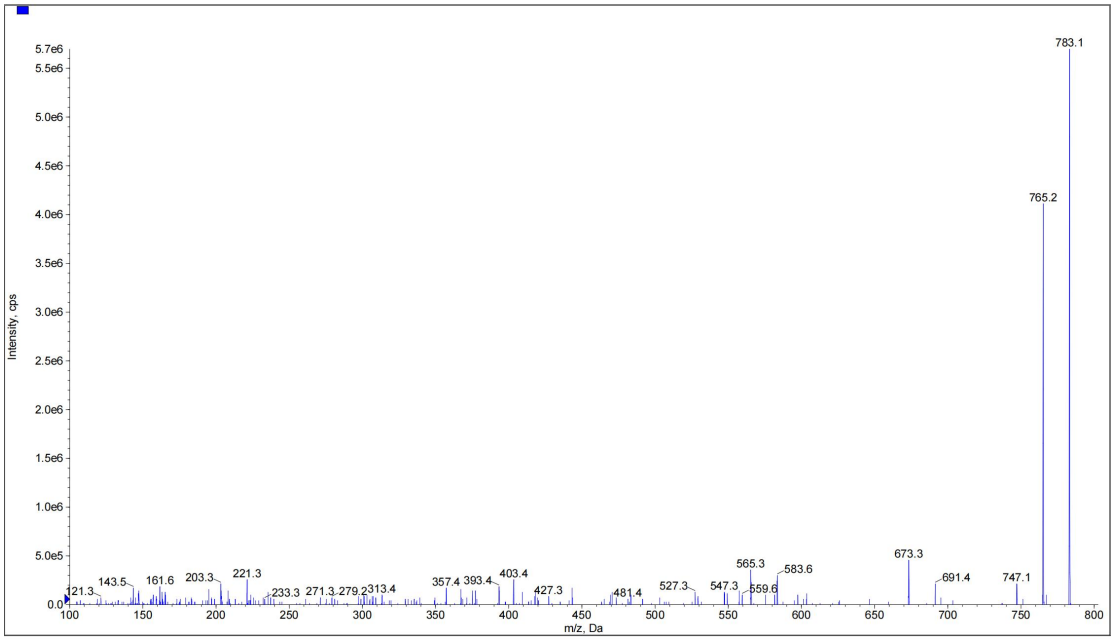
Lutein-dilaurate



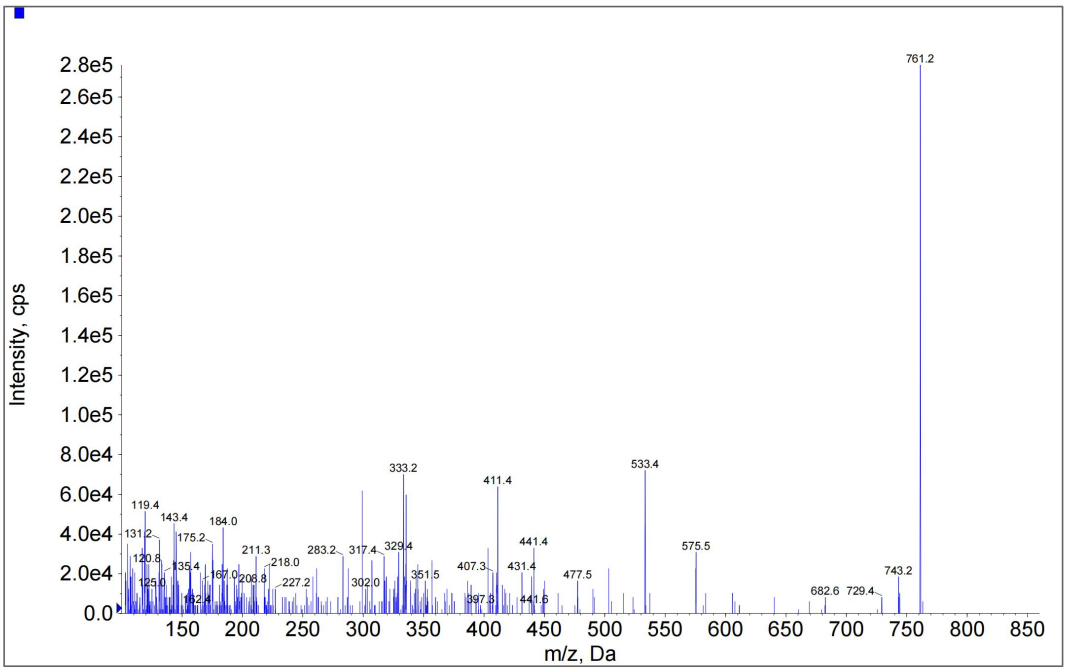
Violaxanthin-dibutyrate



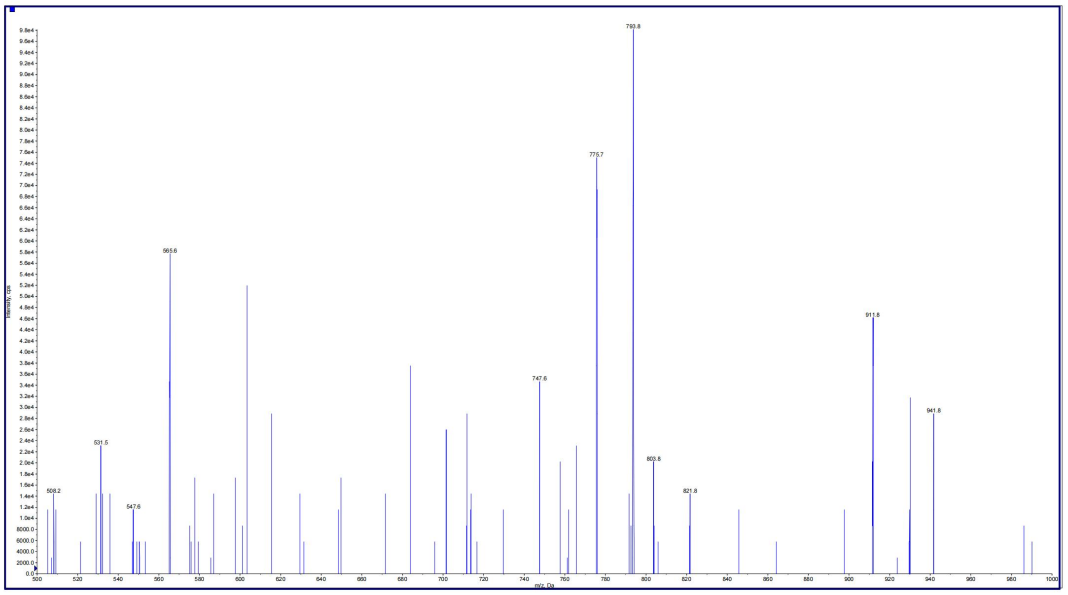
Violaxanthin-laurate



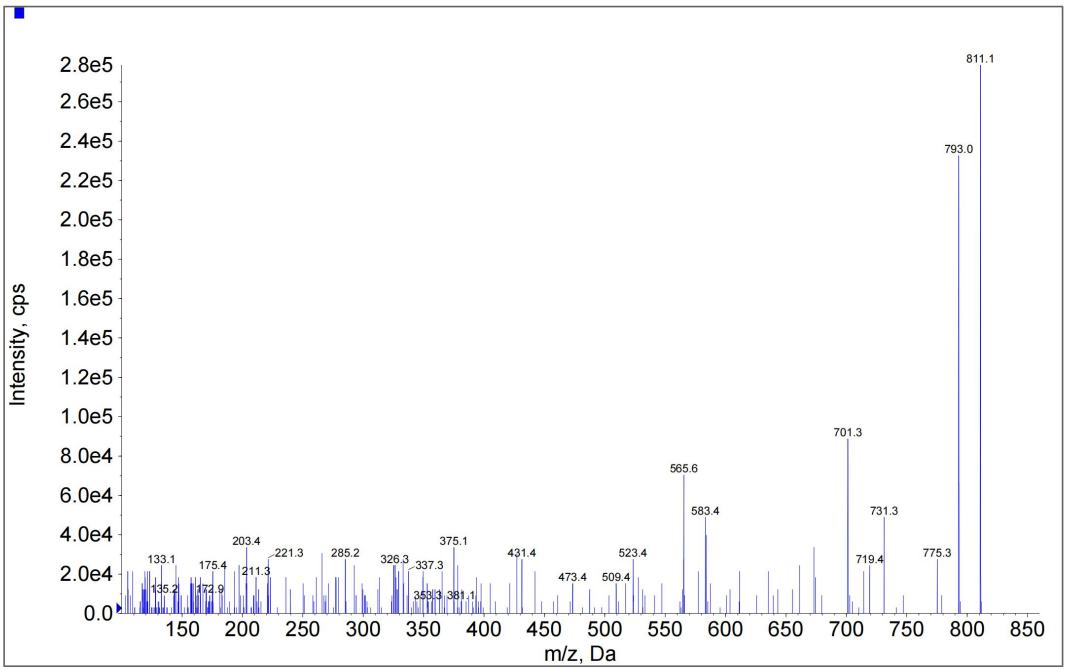
Lutein-dimyristate



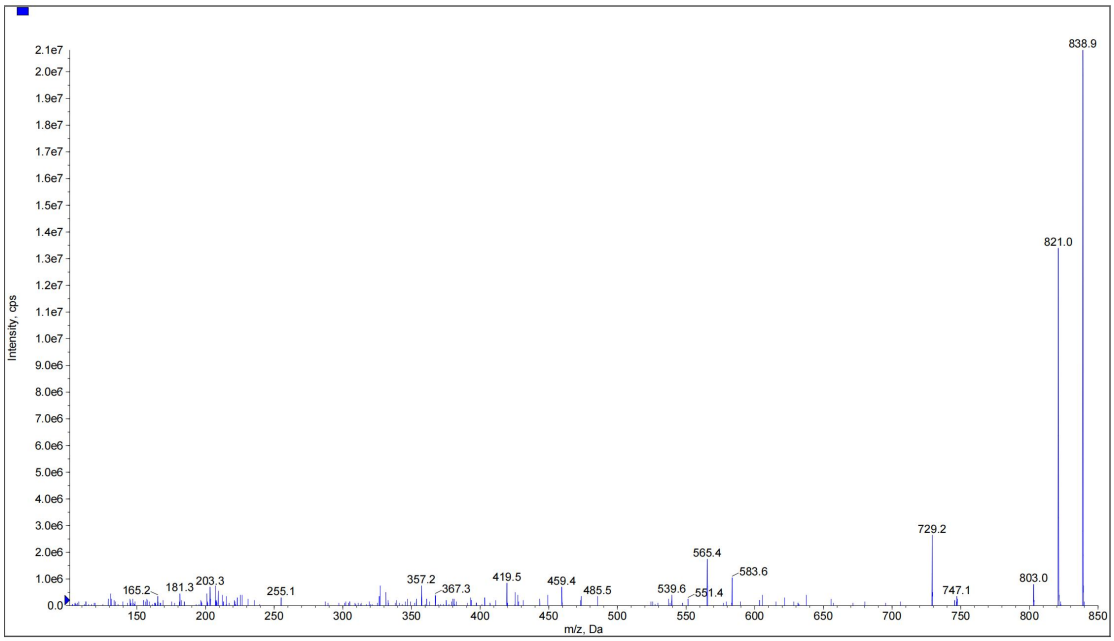
Violaxanthin-dimyristate



Violaxanthin-myristate



Violaxanthin-palmitate



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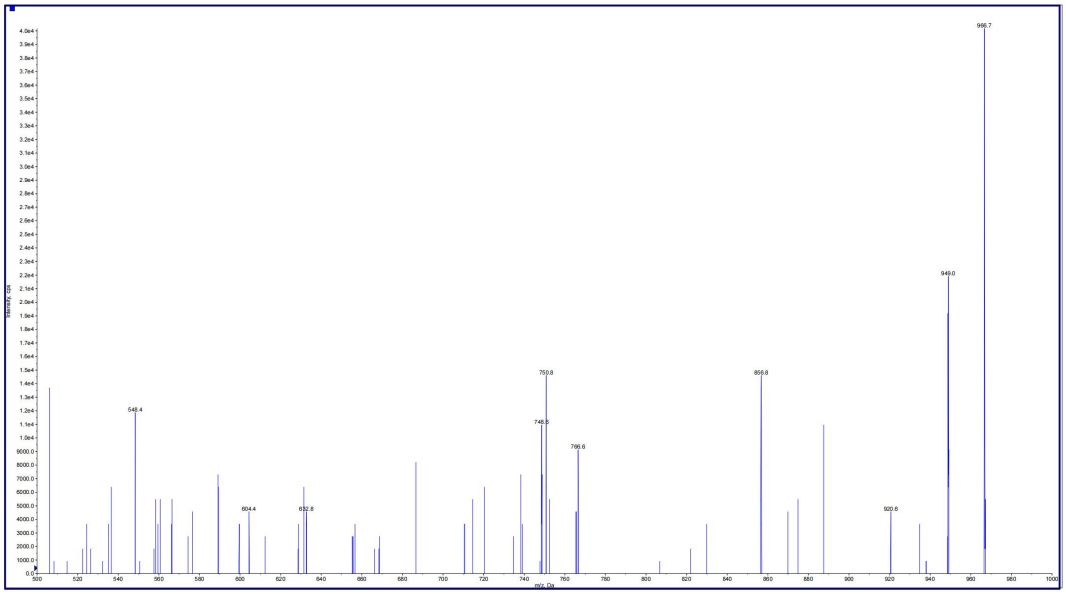

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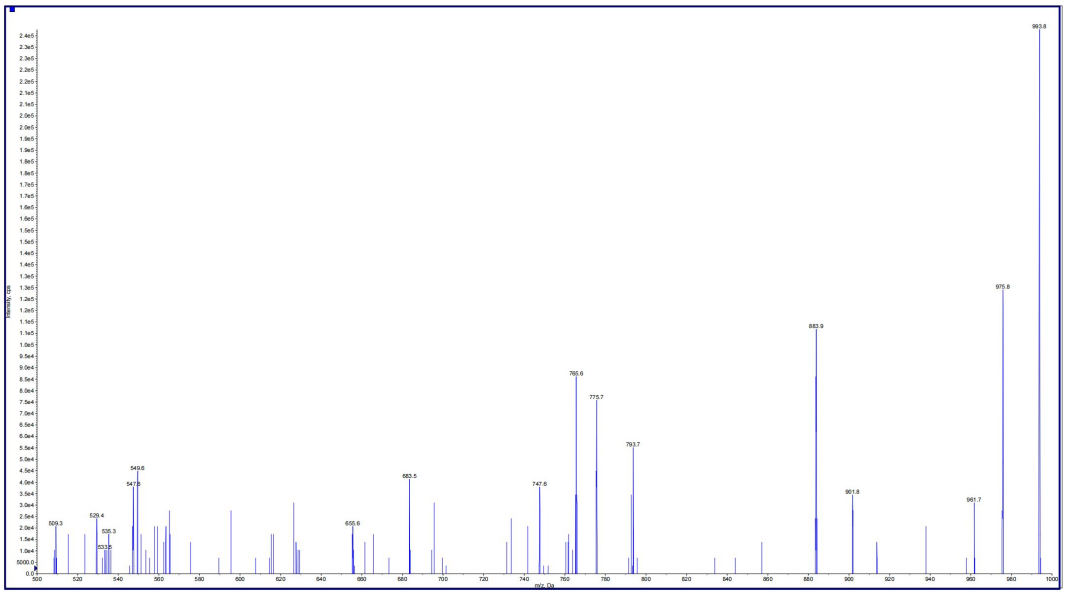

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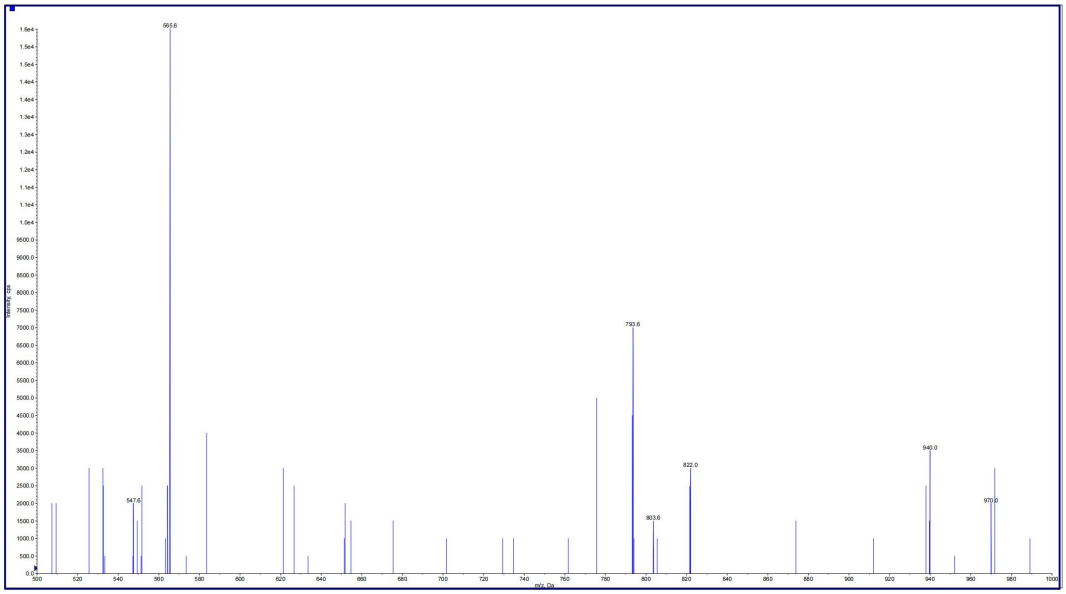

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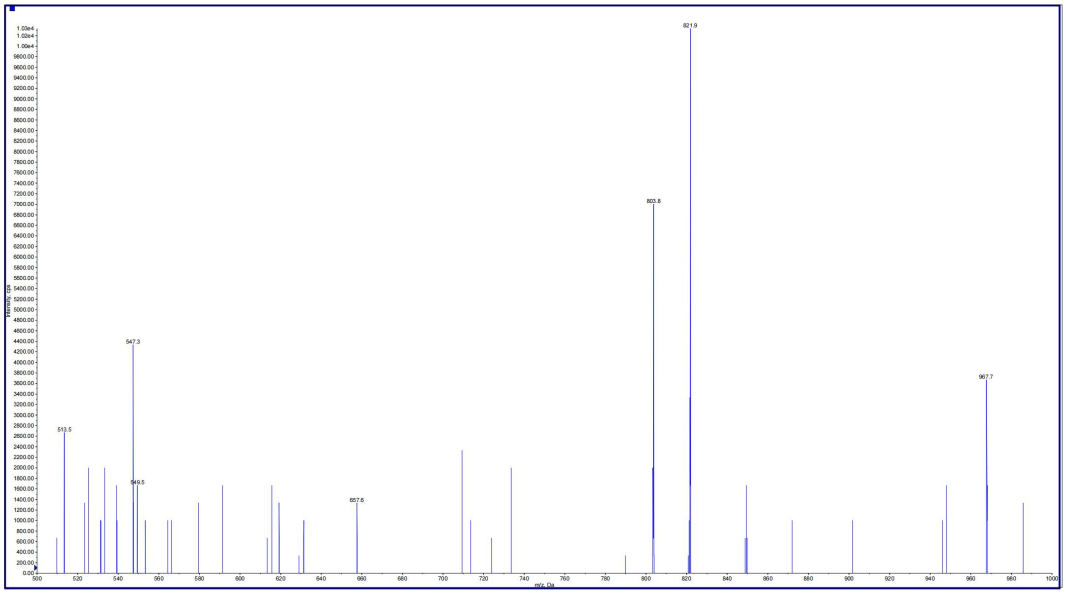

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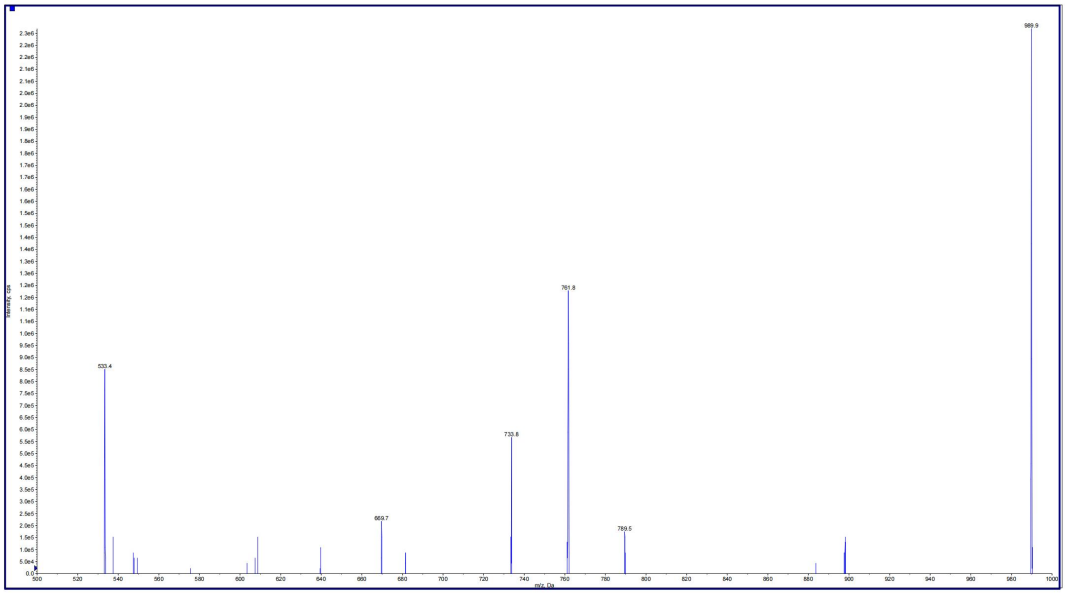
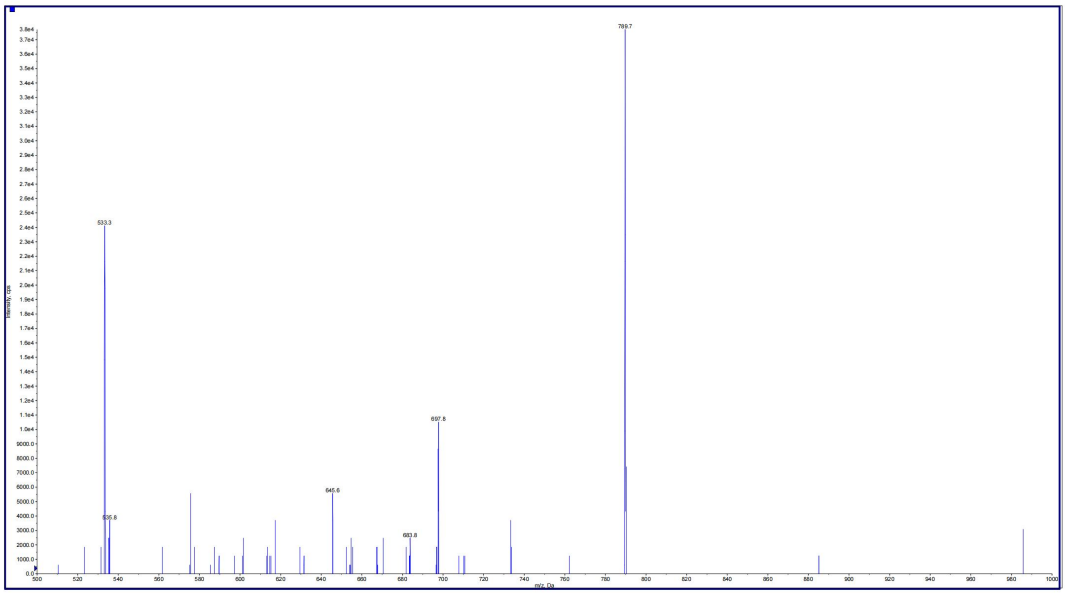


Zeaxanthin-dipalmitate_



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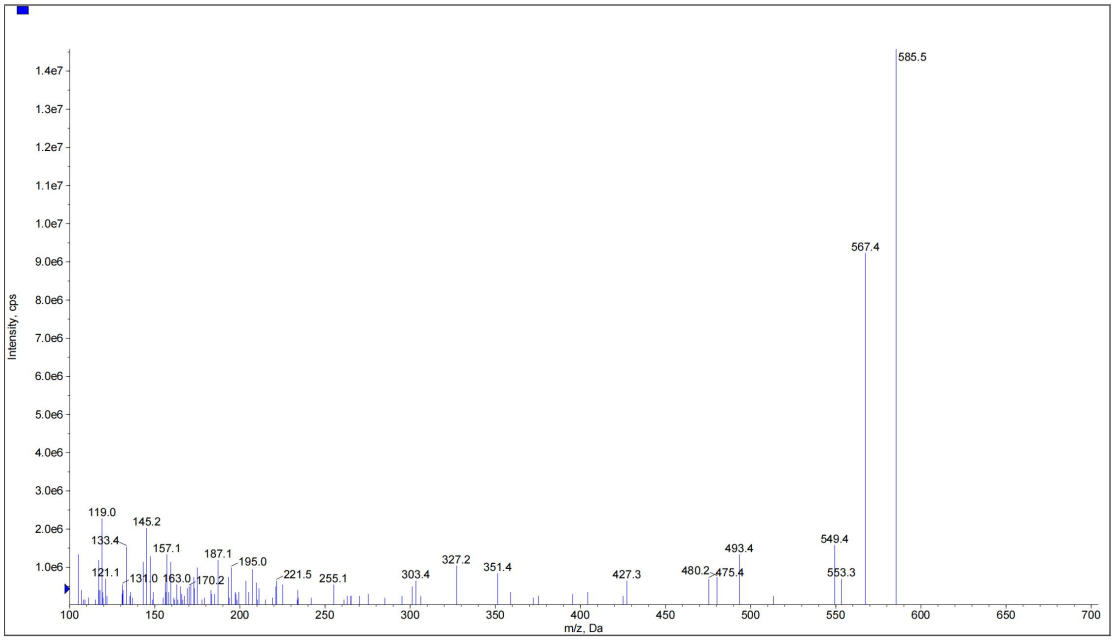

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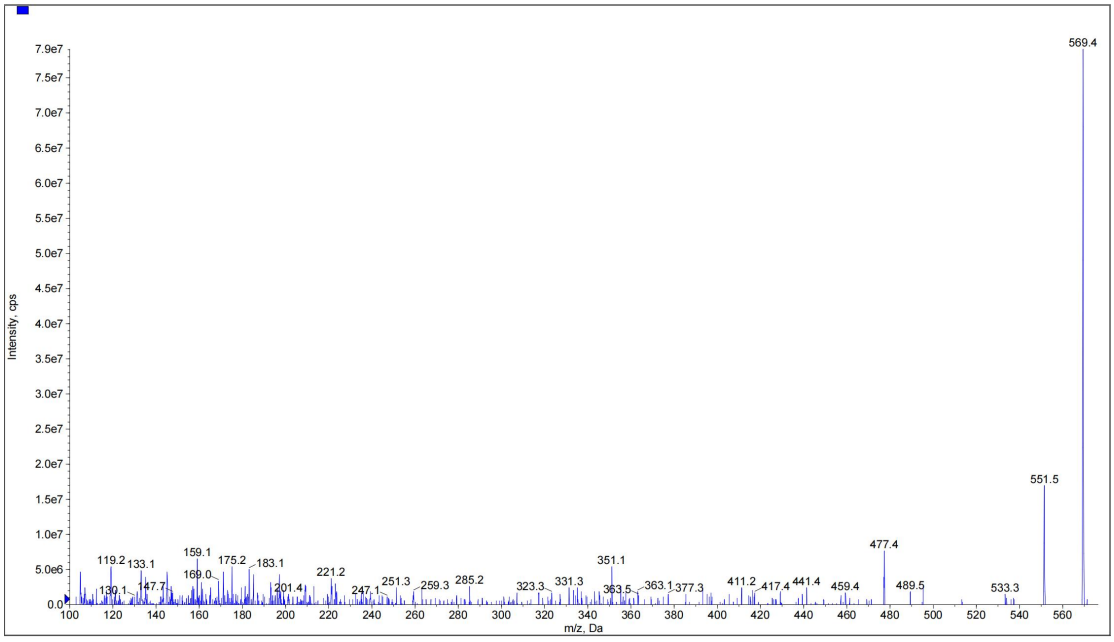

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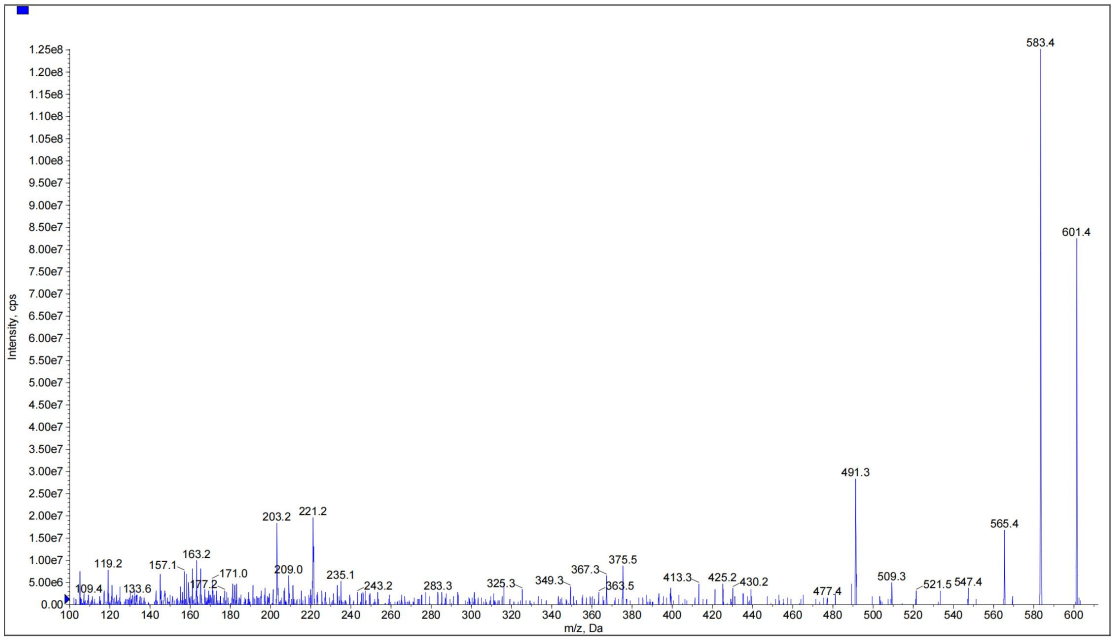

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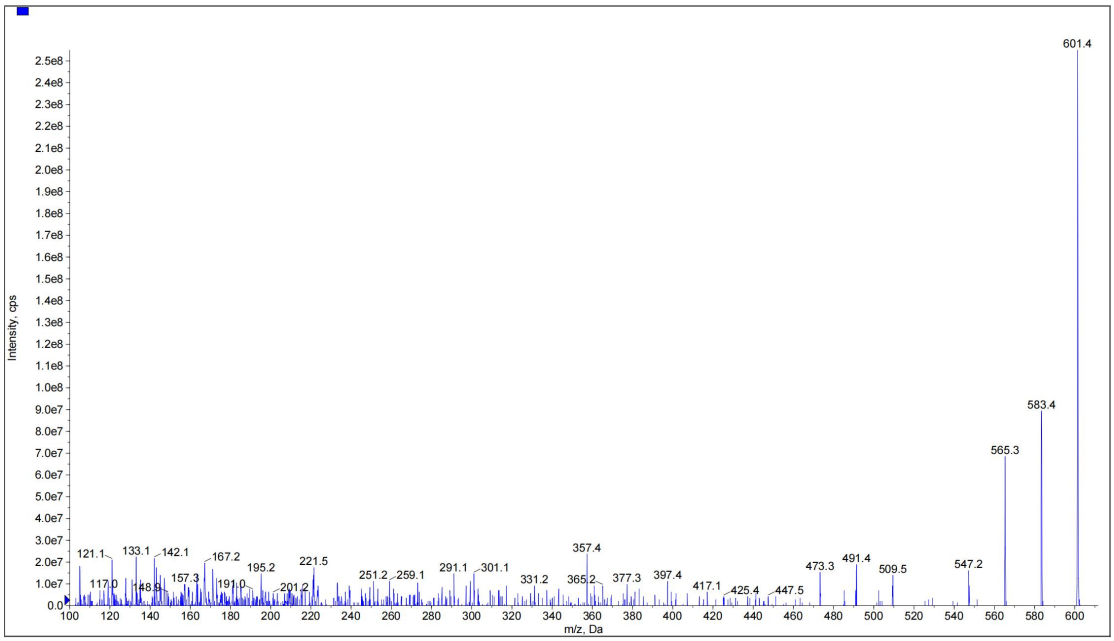
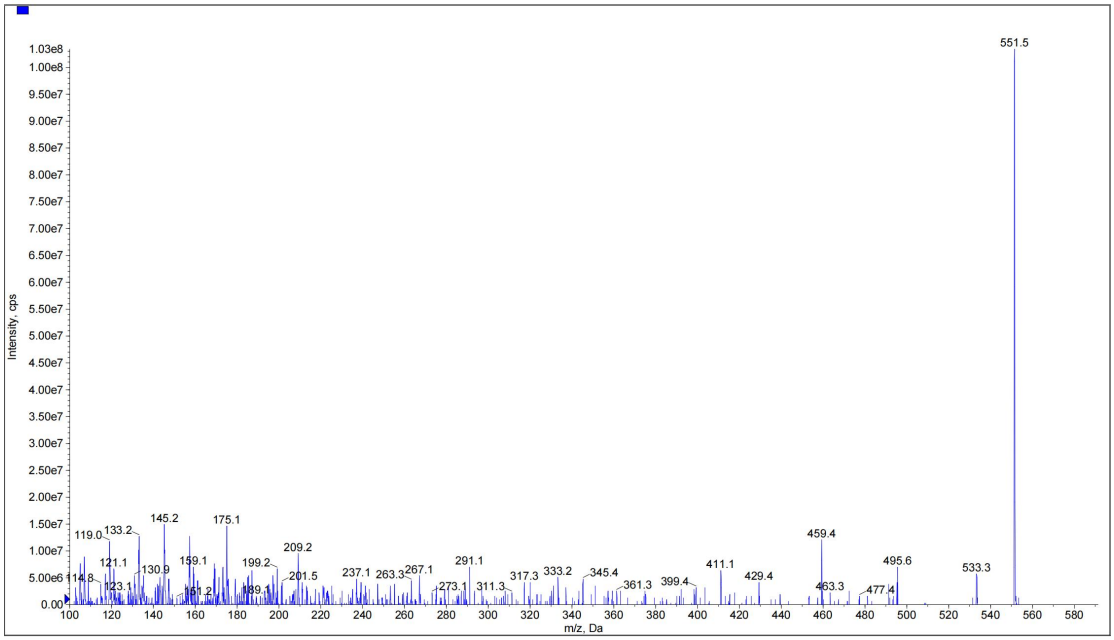


Lutein



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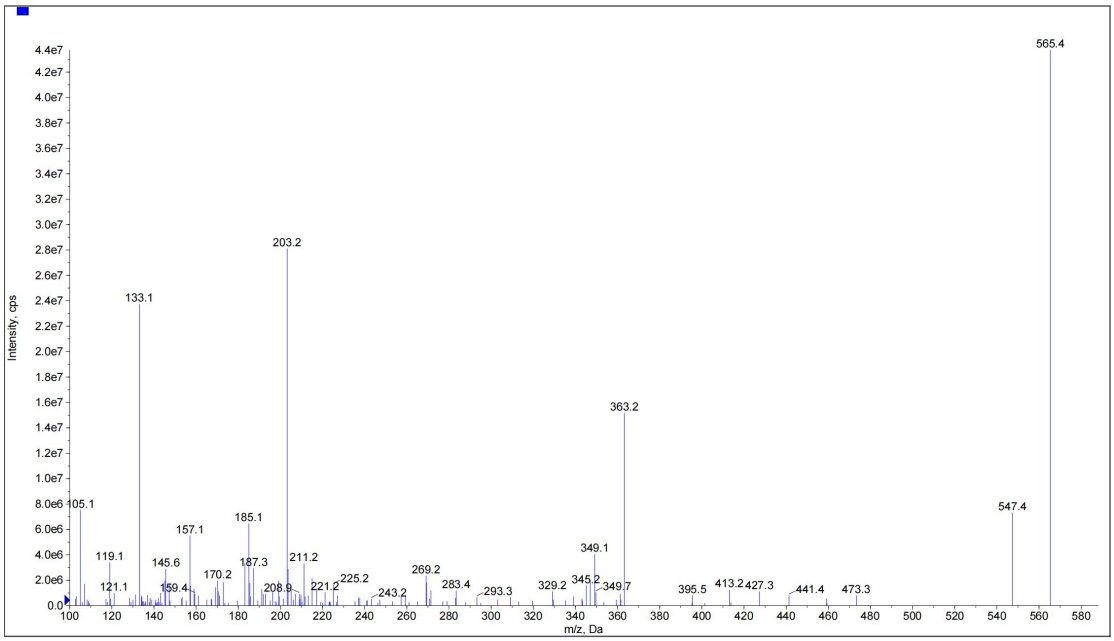
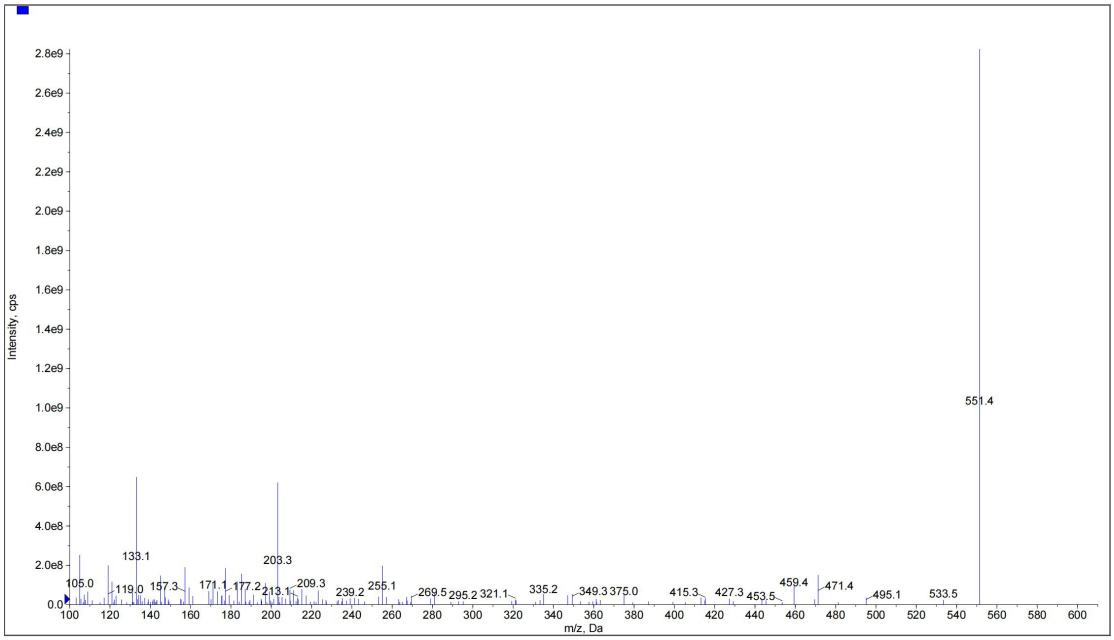


Echinenone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