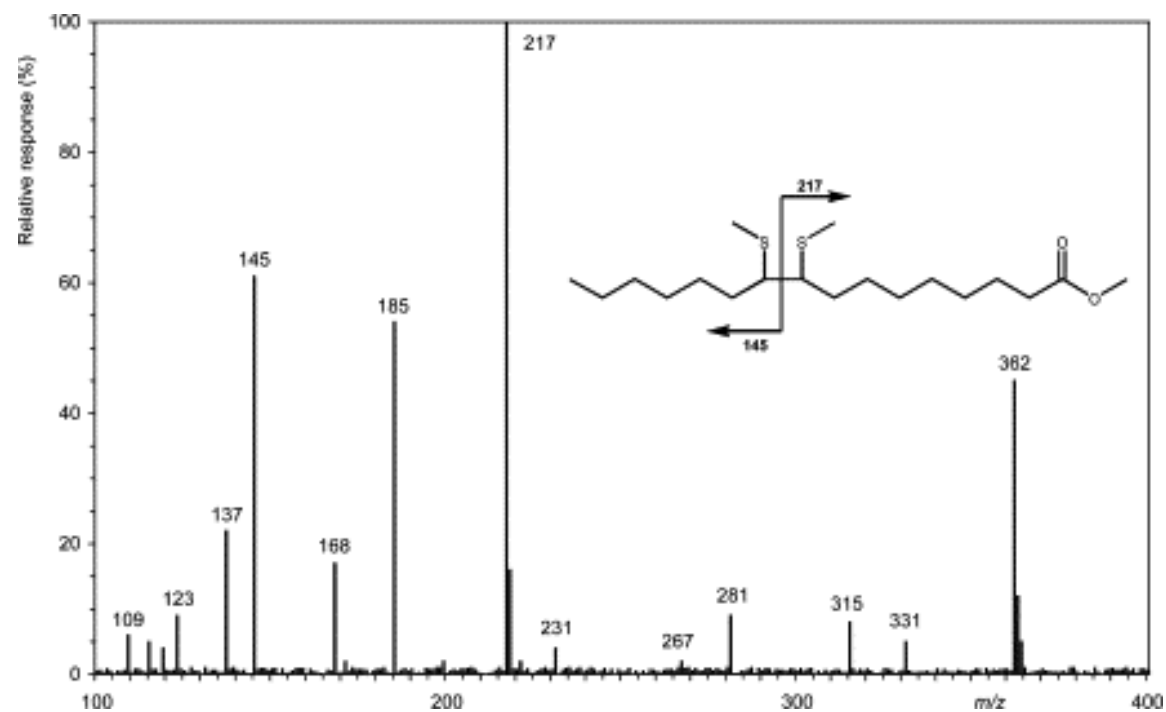


Table 1S: Comparison of our results with literature data on the proportion of FA and total lipids

Reference	Sources	16:1 Po	16:0 P	18:2 L	18:1 O	18:0 S	20:0 A	others	total lipids (%)
Andersen (2005)	mink oil	17.0	17.2	15.0	40.9	2.5	0.0	7.4	NA
Madawala (2012)	macadamia nut	18.1	8.1	3.3	54.6	3.6	2.7	9.6	NA
Kaijser (2000)	macadamia nut	16.9 – 33.7	7.6 – 11.1	2.6 – 4.5	40.5 – 54.5	1.5 – 3.2	1.2 – 2.1	7.4 – 8.8	69.1 – 78.4
Yuping (1995)	<i>Saccharomyces cerevisiae</i>	50.1	7.6	1.9	29.8	3.1	0.7	6.8	NA
Matsunaga (1995)	<i>Cyanobacterium</i>	4.3 - 54.5	20.3 - 55.6	0 - 32.7	0.1 - 30.9	0.4 - 22.8	0 - 15.6	6.0-12.0	NA
	Green alga	4.0 - 4.6	16.1 - 41.8	4.9 - 24.7	6.7 - 29.6	1.3 - 9.2	0 - 13.1	2.0-3.0	NA
Our results	<i>Kluyveromyces polysporus</i>	74.5	7.2	0.0	17.1	0.9	0.3	17.1	8.8
	<i>Saccharomyces cerevisiae</i>	59.8	11.5	0.0	24.0	2.0	2.7	24.0	2.7
	<i>Torulaspora delbrueckii</i>	52.1	15.9	0.0	30.5	1.1	0.4	30.5	2.9
	<i>Candida sp.</i>	16.0	14.8	0.0	57.9	11.0	0.3	58.2	47.8

Po – palmitoleic acid, P – palmitic acid, L – linoleic acid, O – oleic acid, S – stearic acid, A – arachidic acid

NA – not available



Supplementary Fig. S1 Mass spectra of fatty acid methyl esters of DMS adducts prepared as described in Section <ce:cross-ref refid="s0010" id="c0305"> 2</ce:cross-ref> : mass spectrum of DMS adduct of commercially obtained palmitoleic acid methyl ester.

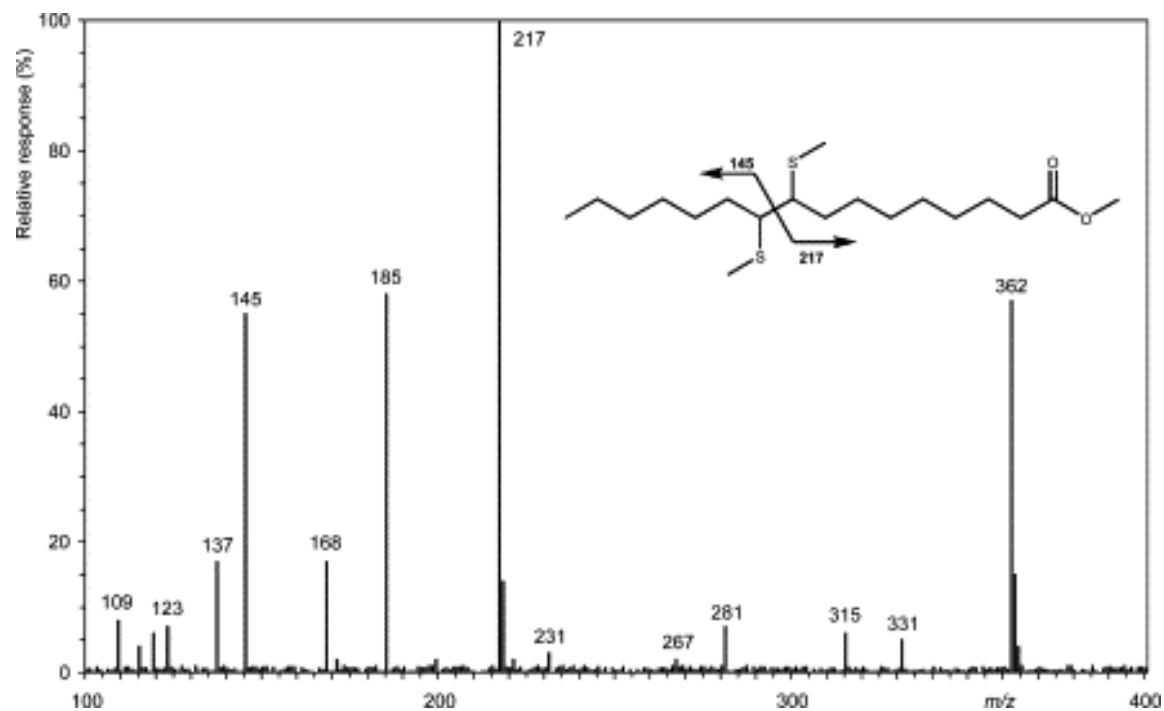
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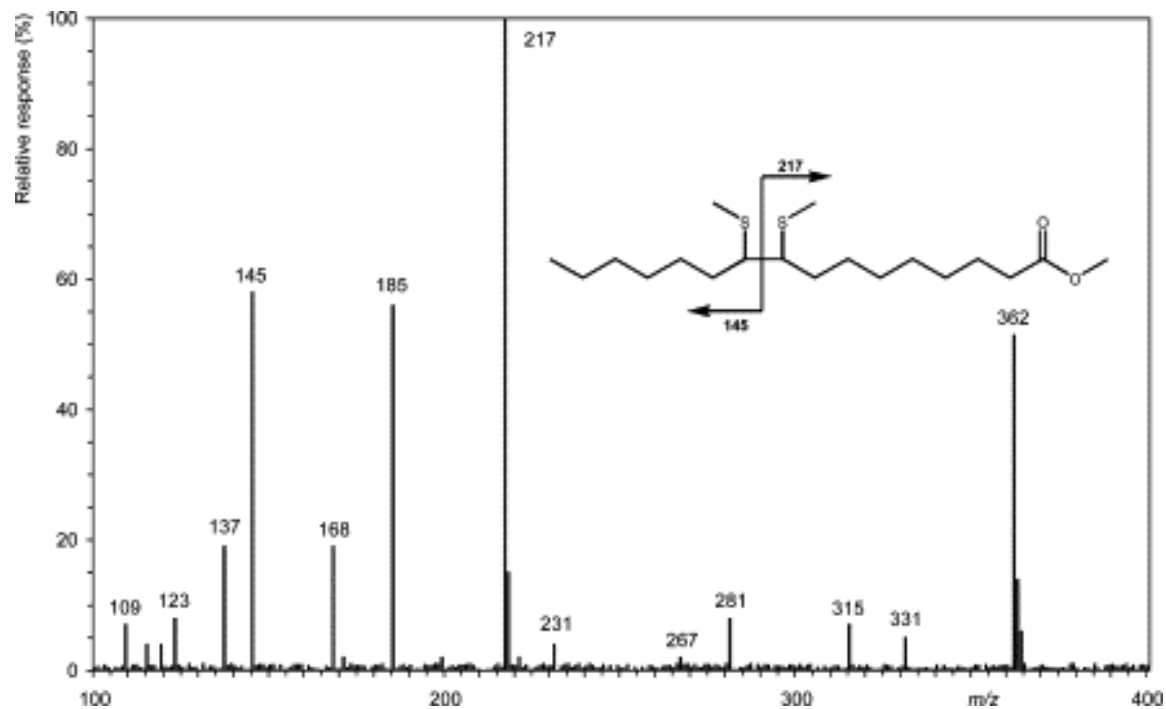
Supplementary Fig. S2 Mass spectra of fatty acid methyl esters of DMS adducts prepared as described in Section <ce:cross-ref refid="s0010" id="c0310"> 2</ce:cross-ref> : mass spectrum of DMS adduct of commercially obtained palmitoleic acid methyl ester...

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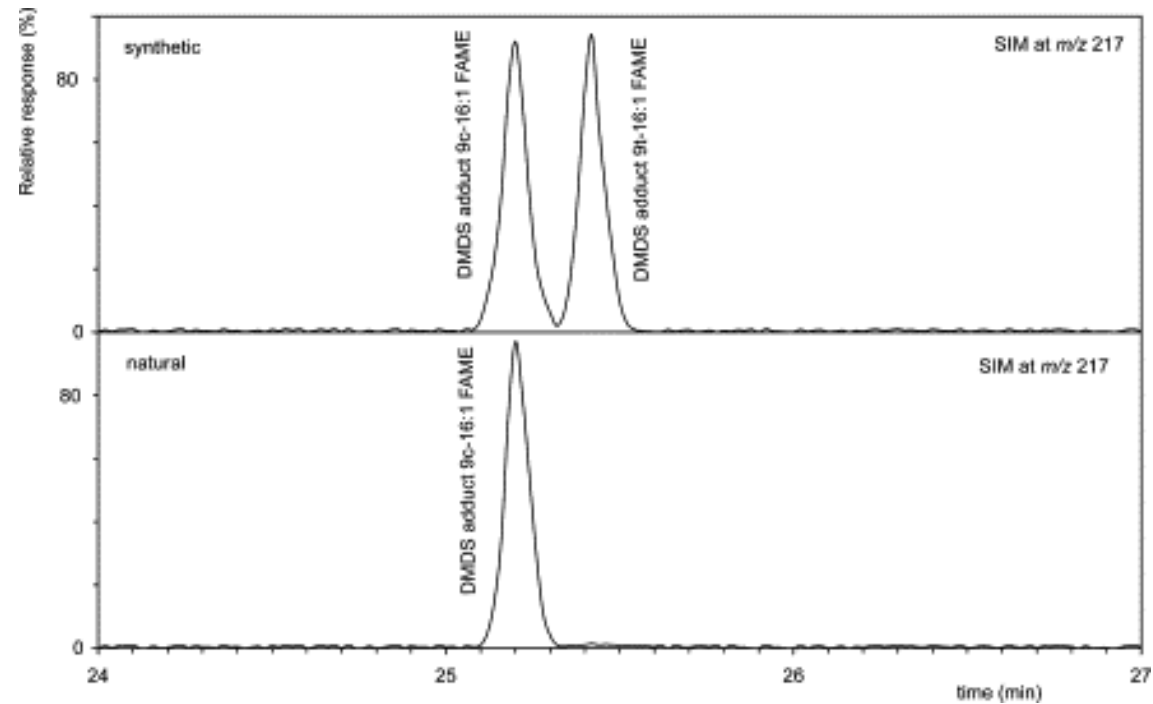
Supplementary Fig. S3 Mass spectra of fatty acid methyl esters of DMDS adducts prepared as described in Section [2](#) : mass spectrum of DMDS adduct of palmitoleic acid methyl ester from yeast sample.

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Supplementary Fig. S4 Selected ion monitoring (SIM) at 217 Da, i.e. the base peak for 9-hexadecenoic acids of commercially obtained palmitoleic and palmitelaidic acids and for palmitoleic acid from yeast sample. Details, see Section [s0...](#)

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