Treating hyperglycemia from *Eryngium caeruleum* M. Bieb: *In-vitro* α-glucosidase, antioxidant, *in-vivo* antidiabetic and molecular docking-based approaches

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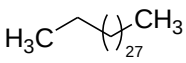
Supporting Information-II

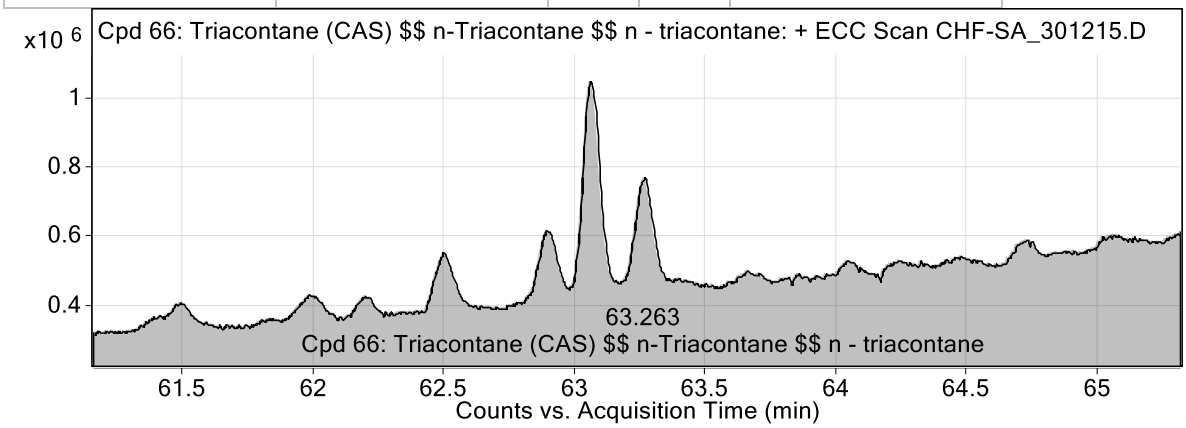
(Bioactive compounds)

GC-MS spectra/details of the compounds

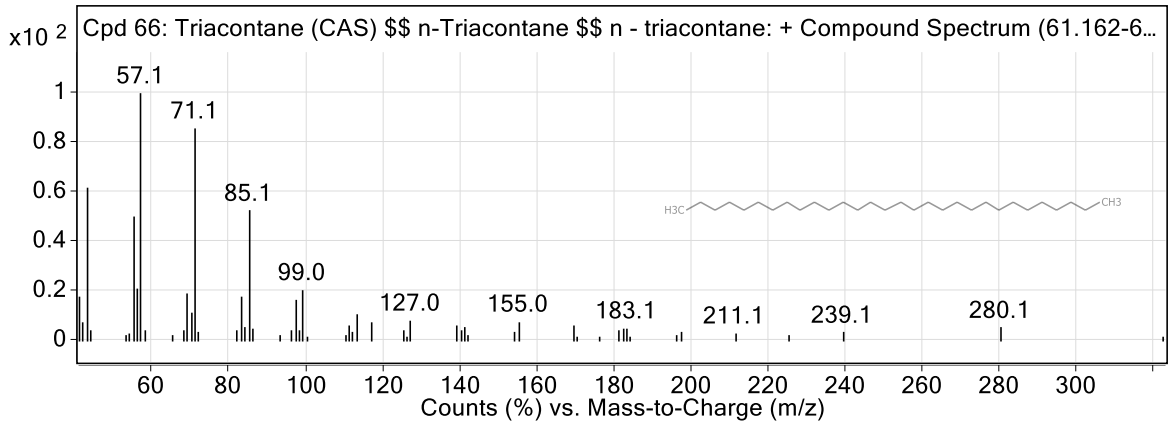


Triacontane

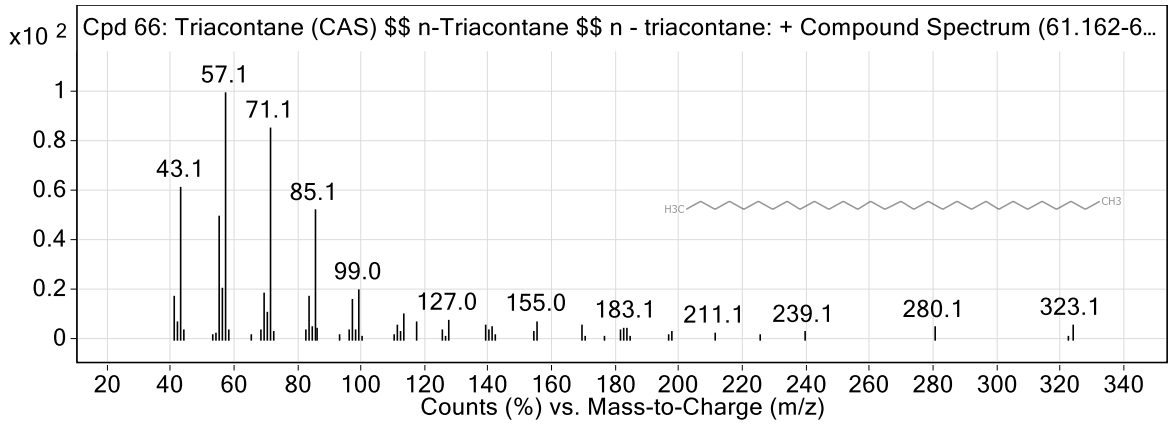
Compound Label	Name	*m/z*	RT	Algorithm
Cpd 66: Triacontane (CAS) $$ n-Triacontane $$ n - triacontane	**Triacontane (CAS) $$ n-Triacontane $$ n - triacontane**	57,1	63,26	Find by Chromatogram Deconvolution



MS Spectrum



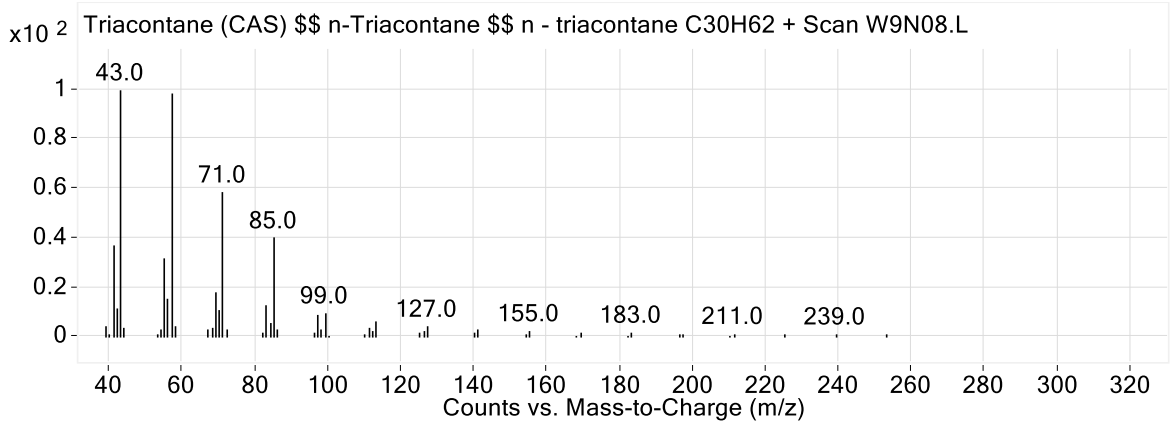
MS Zoomed Spectrum



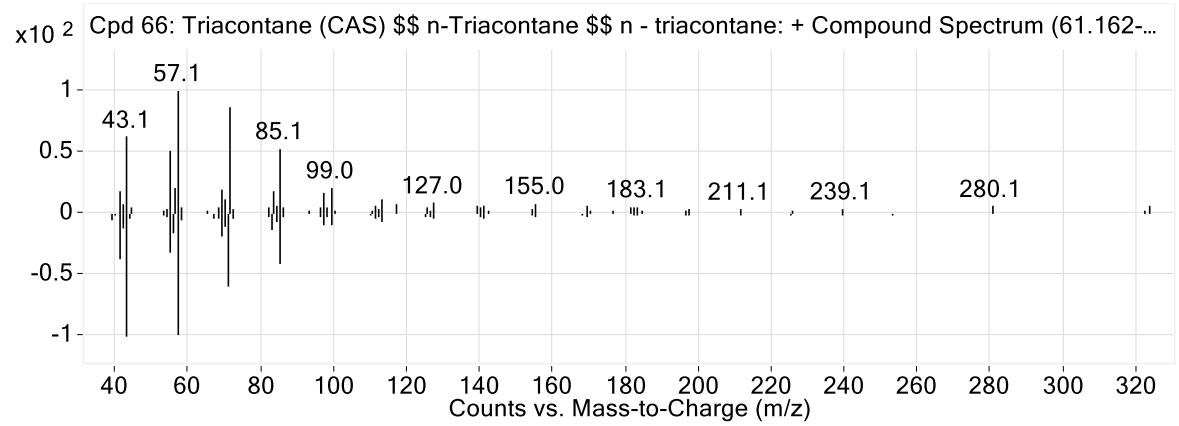
MS Spectrum Peak List

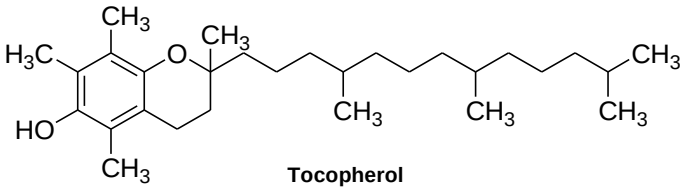
m/z	Abund
41,1	10892
43,1	37206
55,1	30142
56,1	12737
57,1	59929
69,1	11574
71,1	51468
83,1	10932
85,1	31629
99	12534

Library Spectrum



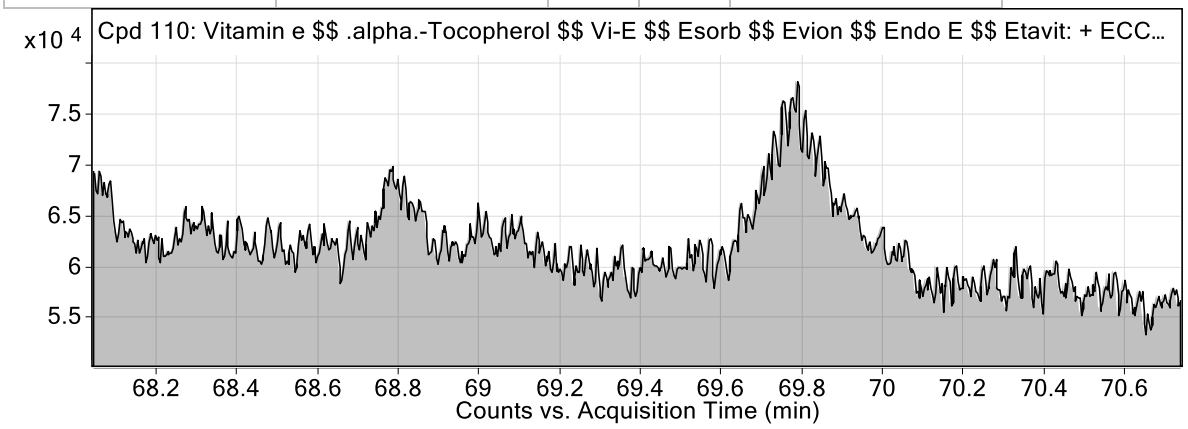
Difference Spectrum



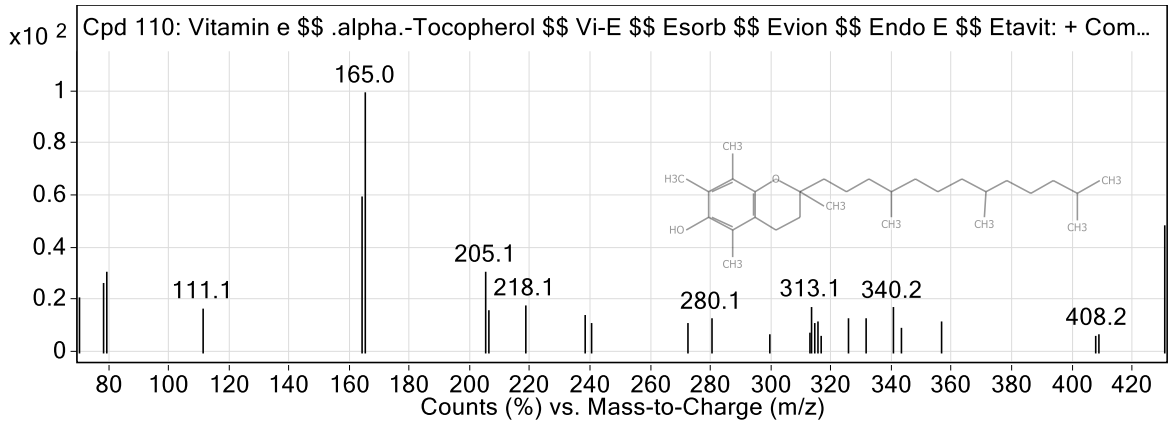


Tocopherol

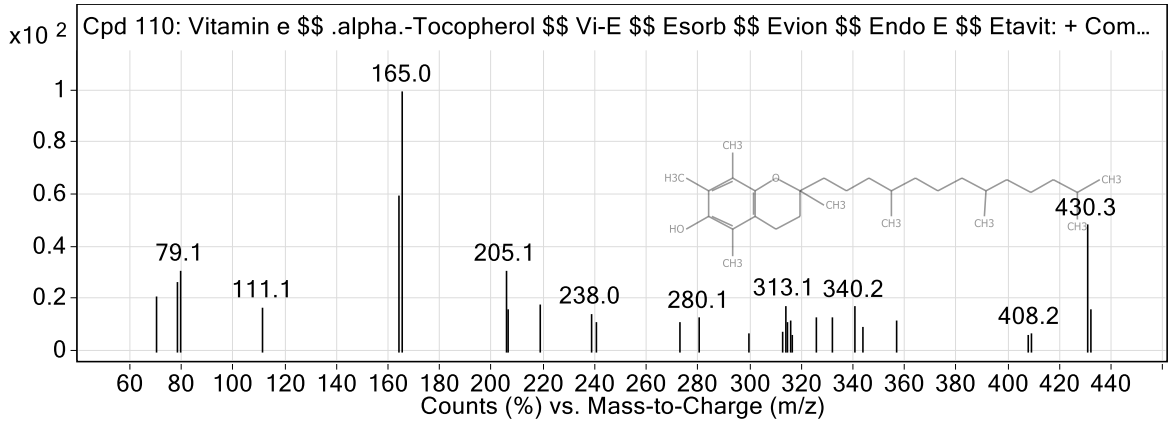
Compound Label	Name	*m/z*	RT	Algorithm
Cpd 110: Vitamin e $$ .alpha.-Tocopherol $$ Vi-E $$ Esorb $$ Evion $$ Endo E $$ Etavit	**Vitamin e $$ .alpha.-Tocopherol $$ Vi-E $$ Esorb $$ Evion $$ Endo E $$ Etavit**	165	69,78	Find by Chromatogram Deconvolution



MS Spectrum



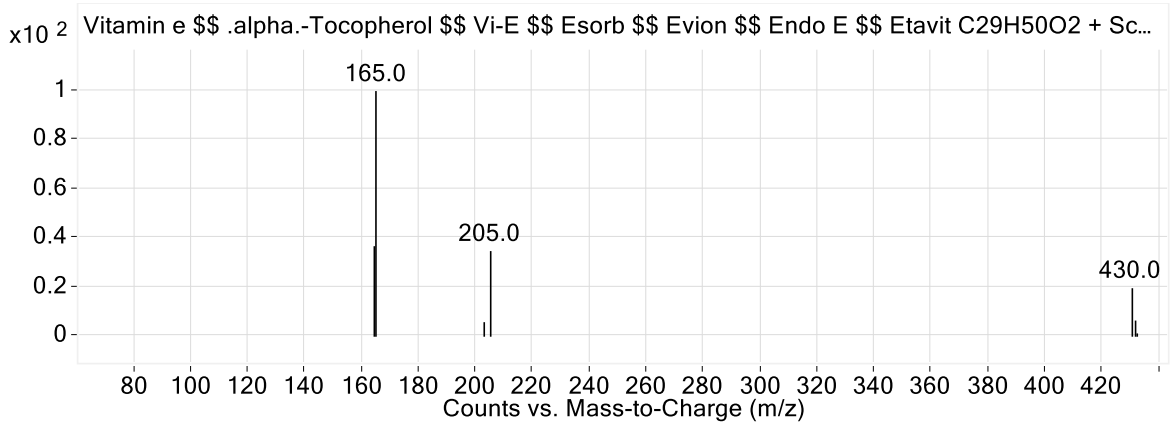
MS Zoomed Spectrum



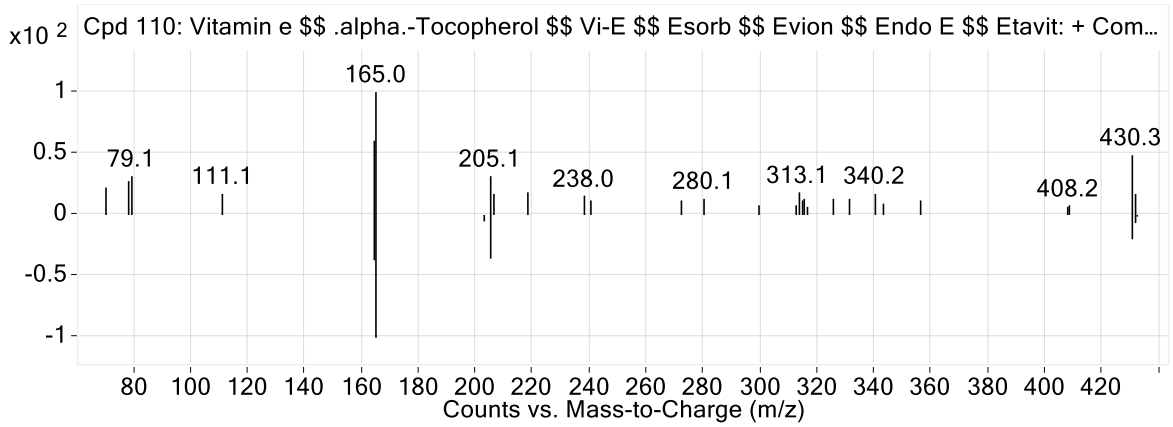
MS Spectrum Peak List

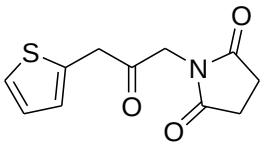
m/z	Abund
70,1	1737
78	2165,5
79,1	2521,9
164	4798,3
165	8035,8
205,1	2516,6
218,1	1478,3
313,1	1448
340,2	1401,5
430,3	3914,6

Library Spectrum



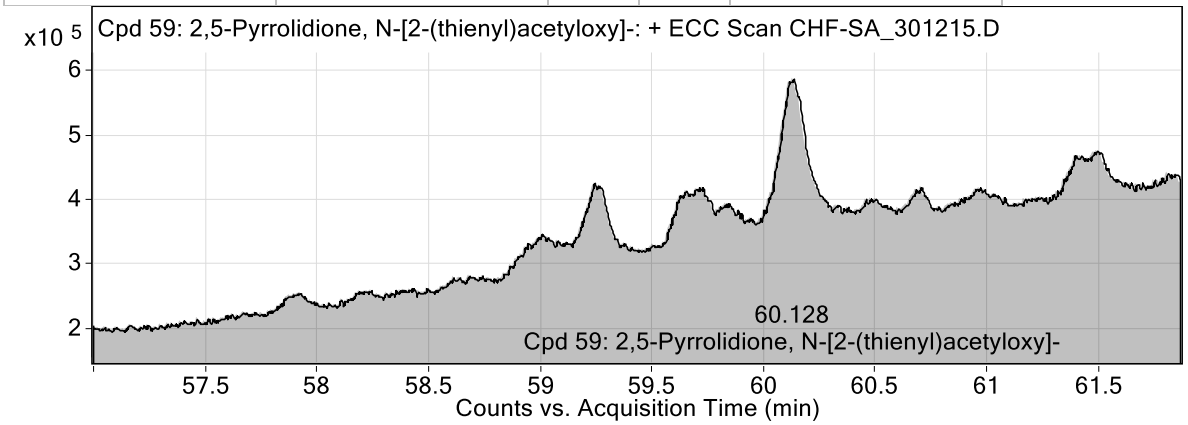
Difference Spectrum



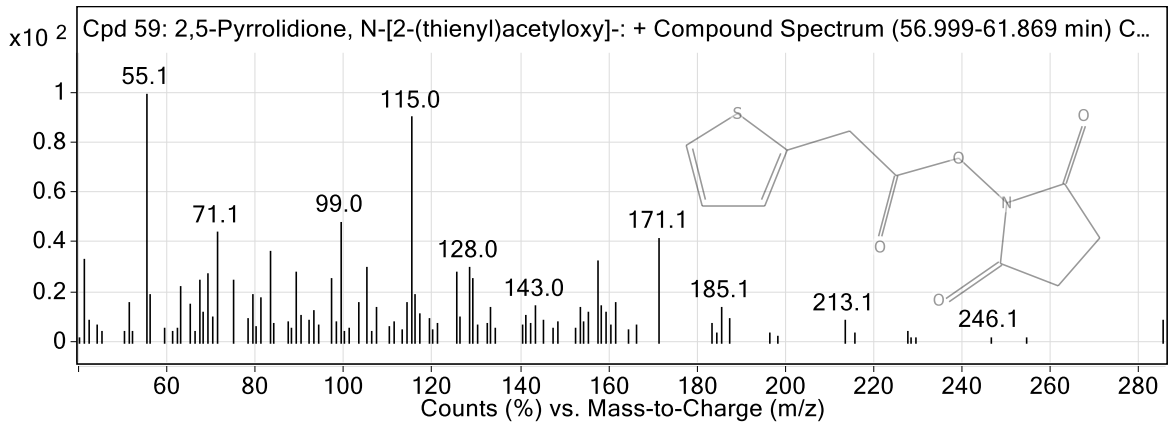


2,5-Pyrrolidione, N-[(thienyl)acetyloxy]

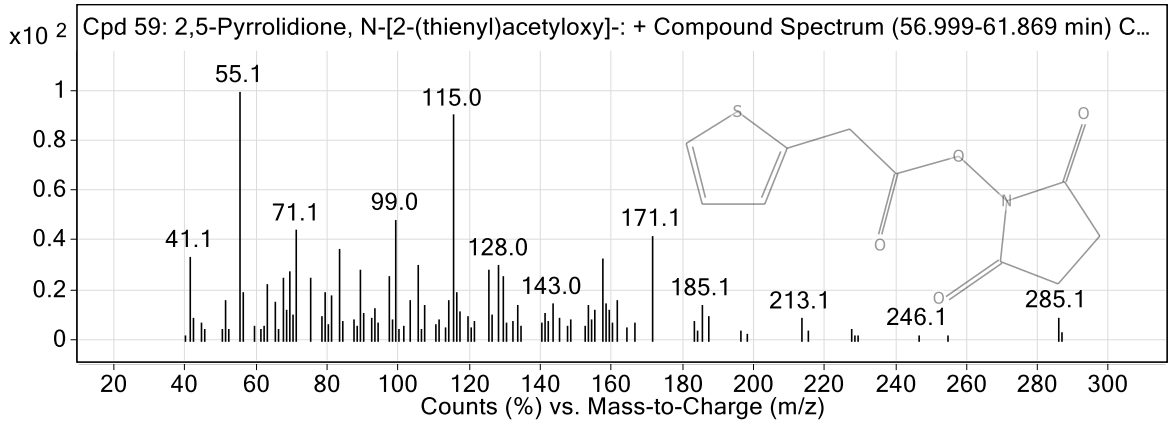
Compound Label	Name	*m/z*	RT	Algorithm
Cpd 59: 2,5-Pyrrolidione, N-[2-(thienyl)acetyloxy]-	**2,5-Pyrrolidione, N-[2-(thienyl)acetyloxy]-**	55,1	60,13	Find by Chromatogram Deconvolution



MS Spectrum



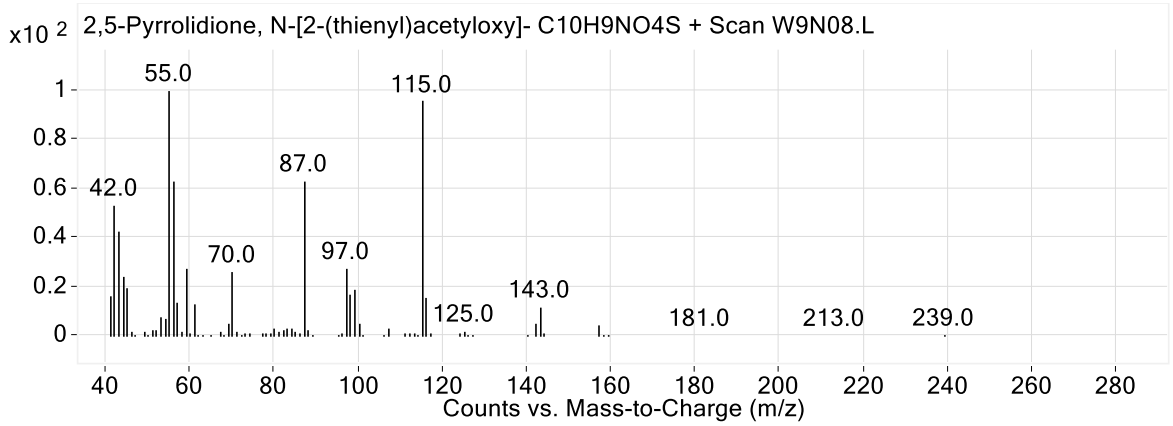
MS Zoomed Spectrum



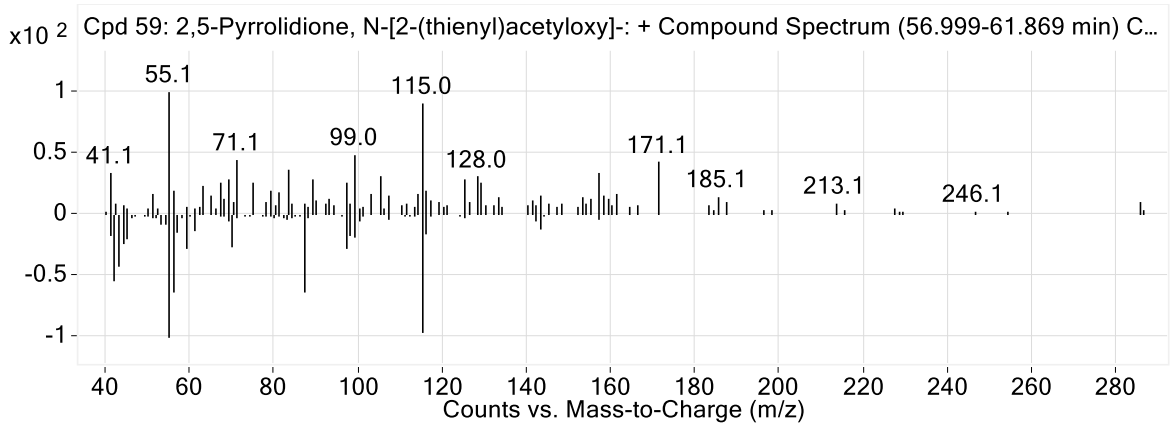
MS Spectrum Peak List

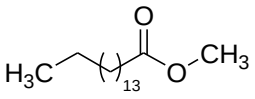
m/z	Abund
41,1	7298,5
55,1	21500
71,1	9583,6
83,1	7919,3
99	10504
105	6645,8
115	19472
128	6584
157	7194,6
171,1	9118,9

Library Spectrum



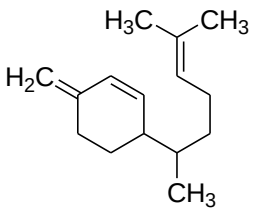
Difference Spectrum





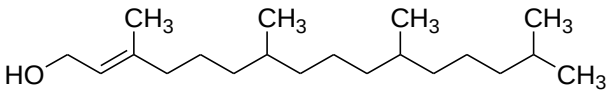
Methyl palmitate

This is a repeated compound. For details please see the supporting information of Compound **(K)** in Figure 2.



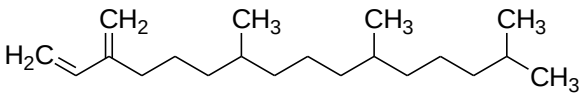
Cyclohexene, 3-(1,5-dimethyl-4-hexenyl)-6-methylene

This is a repeated compound. For details please see the supporting information of Compound **(C)** in Figure 2.



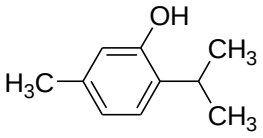
Phytol

This is a repeated compound. For details please see the supporting information of Compound **(J)** in Figure 2.



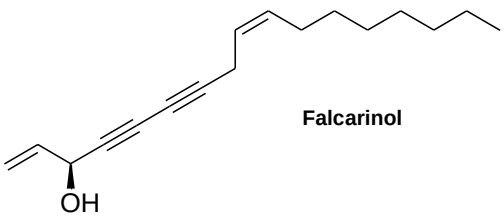
(l)-Neophytadiene

This is a repeated compound. For details please see the supporting information of Compound **(I)** in Figure 2.



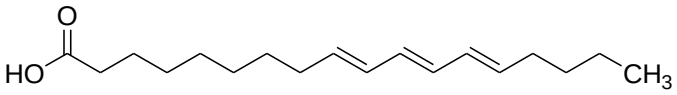
Thymol

This is a repeated compound. For details please see the supporting information of Compound **(B)** in Figure 2.



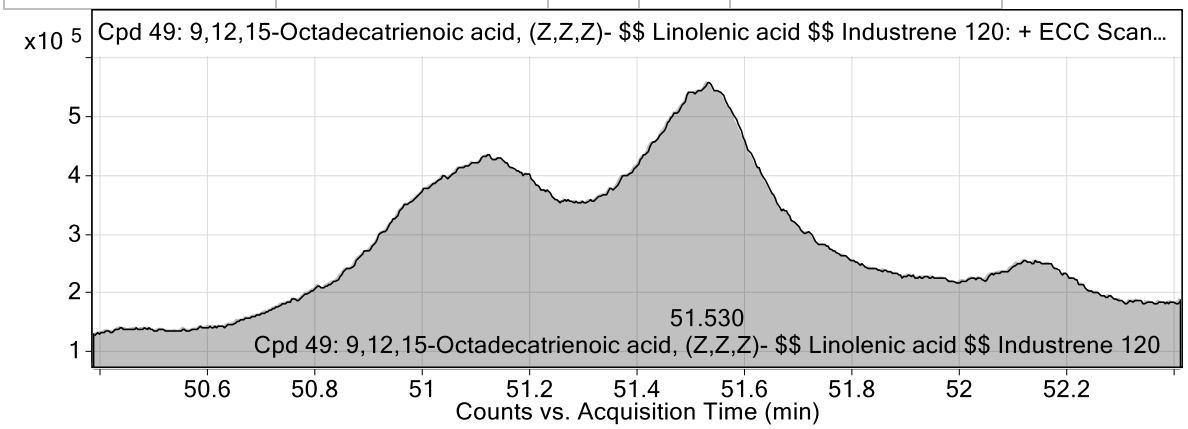
Falcarinol

This is a repeated compound. For details please see the supporting information of Compound **(M)** in Figure 2.

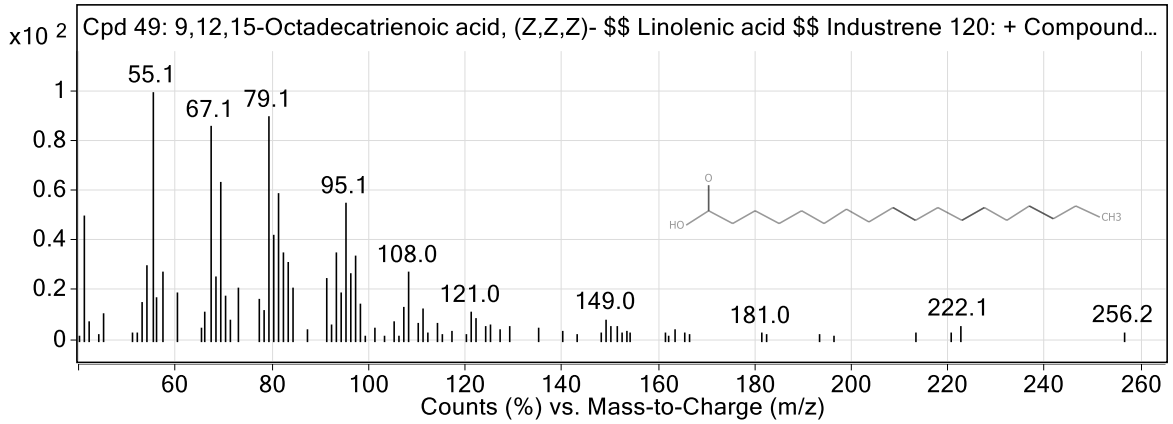


Linolenic acid

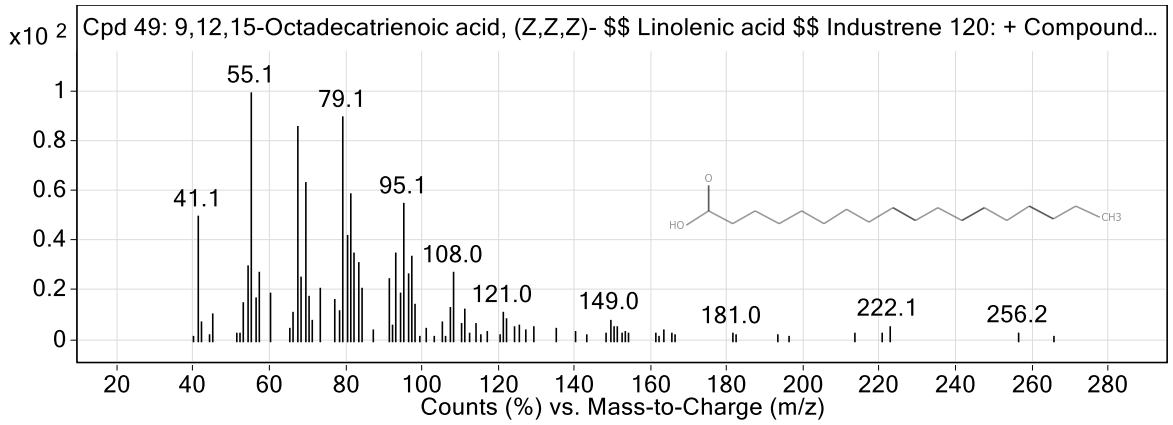
Compound Label	Name	*m/z*	RT	Algorithm
Cpd 49: 9,12,15-Octadecatrienoic acid, (Z,Z,Z)- $$ Linolenic acid $$ Industrene 120	**9,12,15-Octadecatrienoic acid, (Z,Z,Z)- $$ Linolenic acid $$ Industrene 120**	55,1	51,53	Find by Chromatogram Deconvolution



MS Spectrum



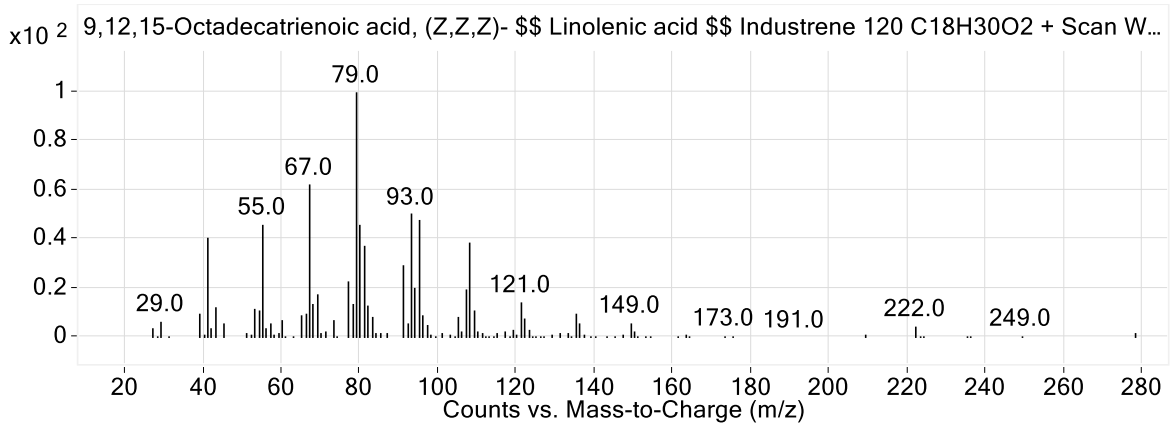
MS Zoomed Spectrum



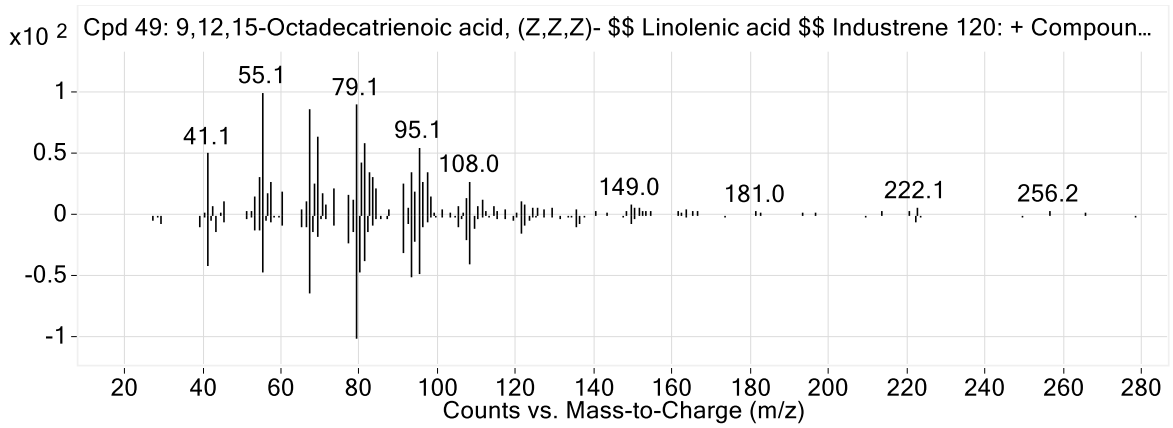
MS Spectrum Peak List

m/z	Abund
41,1	15854
55,1	31558
67,1	27172
69,1	20050
79,1	28464
80	13457
81,1	18698
82,1	11214
93	11237
95,1	17501

Library Spectrum



Difference Spectrum


Cpd 49: 9,12,15-Octadecatrienoic acid, (Z,Z,Z)- $$ Linolenic acid $$ Industrene 120: + Compoun…
x10 2
1
0.5
0
-0.5
-1
55.1
79.1
41.1
95.1
108.0
149.0
181.0
222.1
256.2
20
40
60
80
100
120
140
160
180
200
220
240
260
280
Counts vs. Mass-to-Charge (m/z)