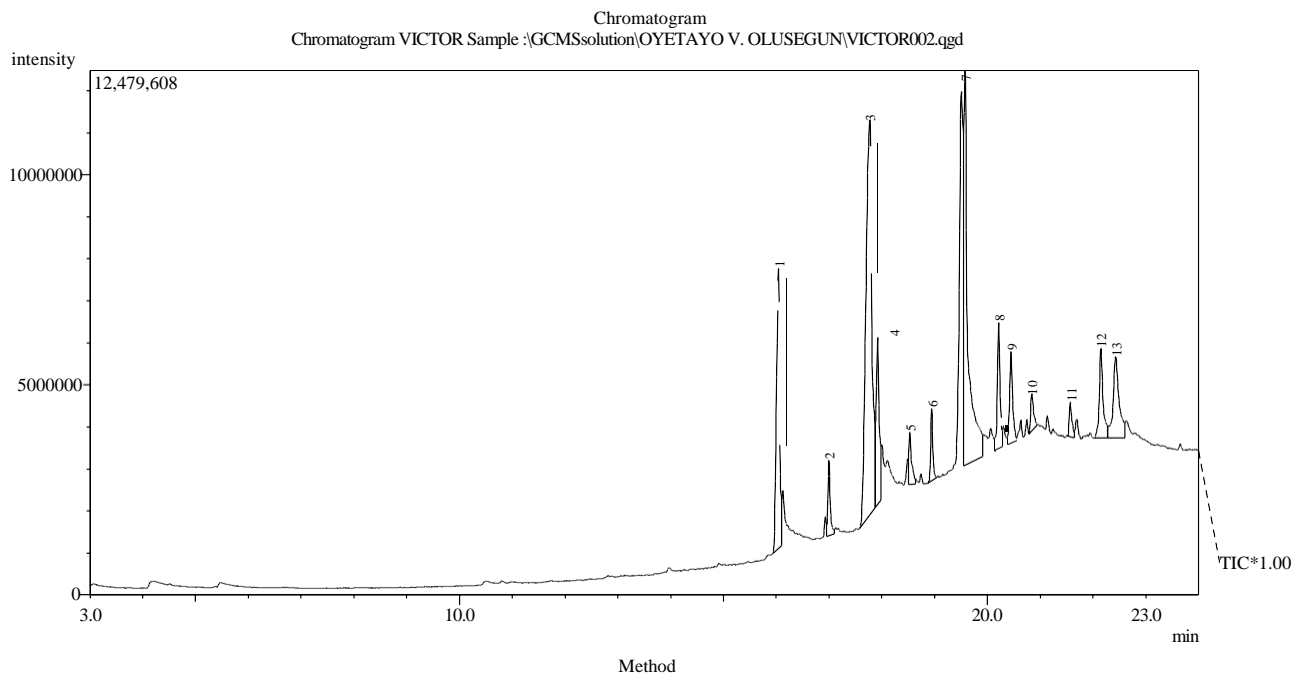


## GCMS ANALYSIS

GCMS-QP2010 PLUS  
SHIMADZU,JAPAN

OYETAYO VICTOR OLUSEGUN

SAMPLE: B



[Comment]

===== Analytical Line 1 =====

[AOC-20i]

# of Rinses with Presolvent	:4
# of Rinses with Solvent(post)	:4
# of Rinses with Sample	:3
Plunger Speed(Suction)	:High
Viscosity Comp. Time	:0.2 sec
Plunger Speed(Injection)	:High
Syringe Insertion Speed	:High
Injection Mode	:Normal
Pumping Times	:5
Inj. Port Dwell Time	:0.3 sec
Terminal Air Gap	:No
Plunger Washing Speed	:High
Washing Volume	:8uL
Syringe Suction Position	:0.0 mm
Syringe Injection Position	:0.0 mm
Use 3 Solvent Vial	:1 vial

[GC-2010]

Column Oven Temp.	:70.0 °C
Injection Temp.	:250.00 °C
Injection Mode	:Split
Flow Control Mode	:Linear Velocity
Pressure	:116.9 kPa
Total Flow	:40.8 mL/min
Column Flow	:1.80 mL/min
Linear Velocity	:49.2 cm/sec
Purge Flow	:3.0 mL/min
Split Ratio	:20.0
High Pressure Injection	:OFF
Carrier Gas Saver	:OFF
Splitter Hold	:OFF
Oven Temp. Program	

Rate	Temperature(°C)	Hold Time(min)
-	70.0	0.00
10.00	280.0	5.00

&lt; Ready Check Heat Unit &gt;

Column Oven : Yes  
SPL2 : Yes  
MS : Yes

&lt; Ready Check Detector(FTD) &gt;

&lt; Ready Check Baseline Drift &gt;

&lt; Ready Check Injection Flow &gt;

SPL2 Carrier : Yes  
SPL2 Purge : Yes

&lt; Ready Check APC Flow &gt;

&lt; Ready Check Detector APC Flow &gt;

External Wait :No

Equilibrium Time :3.0 min

[GC Program]

[GCMS-QP2010 Plus]

IonSourceTemp :200.00 °C  
Interface Temp. :250.00 °C  
Solvent Cut Time :2.50 min  
Detector Gain Mode :Relative  
Detector Gain :0.00 kV  
Threshold :2000

[MS Table]

--Group 1 - Event 1--

Start Time :3.00min  
End Time :24.00min  
ACQ Mode :Scan  
Event Time :0.50sec  
Scan Speed : 666  
Start m/z :30.00  
End m/z :350.00

Sample Inlet Unit :GC

[MS Program]

Use MS Program :OFF

Peak Report TIC									
Peak#	R.Time	I.Time	F.Time	Area	Area%	Height	Height%	A/H	Mark
1	16.040	15.942	16.108	27882983	11.84	6678716	14.76	4.17	
2	16.995	16.950	17.092	5705519	2.42	1800854	3.98	3.17	V
3	17.772	17.583	17.875	74432872	31.60	9415020	20.81	7.91	
4	17.918	17.875	17.983	15794188	6.70	3981084	8.80	3.97	V
5	18.529	18.500	18.633	4535946	1.93	1243283	2.75	3.65	V
6	18.943	18.867	19.042	4718503	2.00	1724724	3.81	2.74	
7	19.577	19.550	19.917	49866884	21.17	9387286	20.75	5.31	V
8	20.210	20.125	20.283	10972750	4.66	3022154	6.68	3.63	V
9	20.447	20.358	20.550	8854252	3.76	2194500	4.85	4.03	V
10	20.841	20.783	20.942	3427362	1.45	885292	1.96	3.87	
11	21.567	21.517	21.642	2779960	1.18	830022	1.83	3.35	
12	22.147	22.033	22.275	10753415	4.56	2135342	4.72	5.04	
13	22.428	22.275	22.600	15858180	6.73	1943640	4.30	8.16	V
				235582814	100.00	45241917	100.00		

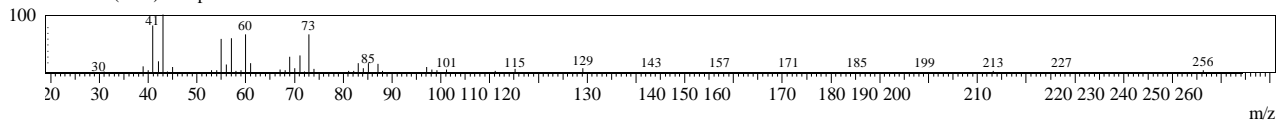
Spectrum

Line#:1 R.Time:16.0(Scan#:1566)

MassPeaks:100

RawMode:Single 16.0(1566) BasePeak:43(653841)

BG Mode:16.0(1559) Group 1 - Event 1

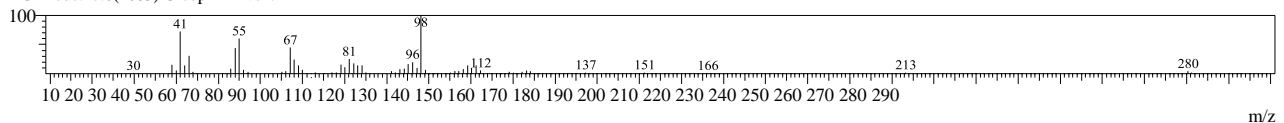


Line#:2 R.Time:17.0(Scan#:1680)

MassPeaks:80

RawMode:Single 17.0(1680) BasePeak:98(105033)

BG Mode:17.0(1683) Group 1 - Event 1

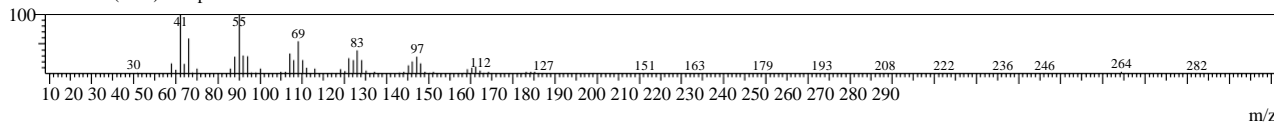


Line#:3 R.Time:17.8(Scan#:1773)

MassPeaks:127

RawMode:Single 17.8(1773) BasePeak:55(540476)

BG Mode:17.8(1778) Group 1 - Event 1



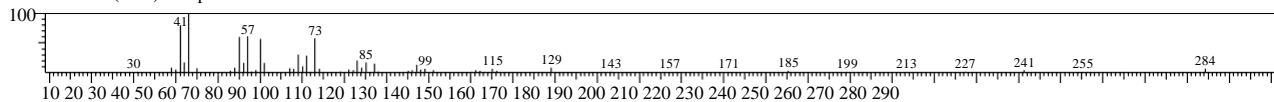
m/z

Line#:4 R.Time:17.9(Scan#:1791)

MassPeaks:99

RawMode:Single 17.9(1791) BasePeak:43(200286)

BG Mode:17.9(1794) Group 1 - Event 1



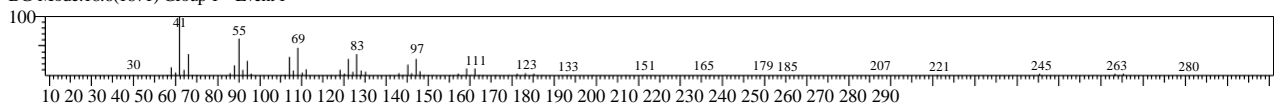
m/z

Line#:5 R.Time:18.5(Scan#:1864)

MassPeaks:89

RawMode:Single 18.5(1864) BasePeak:41(129909)

BG Mode:18.6(1871) Group 1 - Event 1



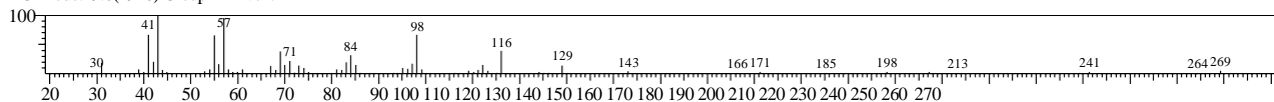
m/z

Line#:6 R.Time:18.9(Scan#:1914)

MassPeaks:89

RawMode:Single 18.9(1914) BasePeak:43(59974)

BG Mode:19.0(1916) Group 1 - Event 1



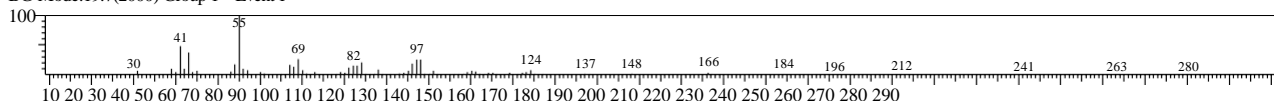
m/z

Line#:7 R.Time:19.6(Scan#:1989)

MassPeaks:122

RawMode:Single 19.6(1989) BasePeak:55(1163961)

BG Mode:19.7(2000) Group 1 - Event 1



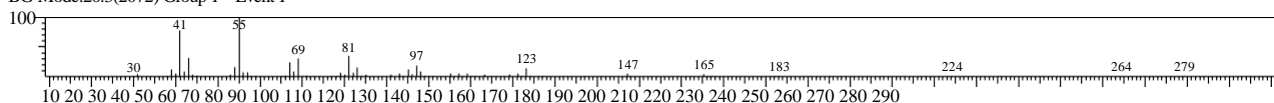
m/z

Line#:8 R.Time:20.2(Scan#:2066)

MassPeaks:95

RawMode:Single 20.2(2066) BasePeak:55(406651)

BG Mode:20.3(2072) Group 1 - Event 1



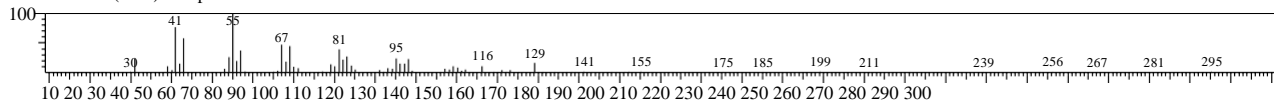
m/z

Line#:9 R.Time:20.4(Scan#:2095)

MassPeaks:111

RawMode:Single 20.4(2095) BasePeak:55(132800)

BG Mode:20.5(2098) Group 1 - Event 1



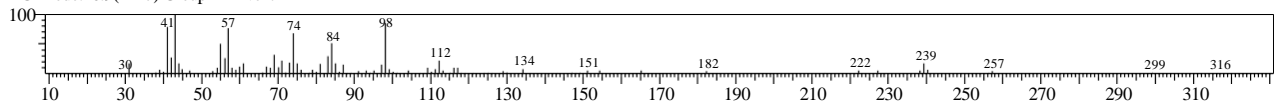
m/z

Line#:10 R.Time:20.8(Scan#:2141)

MassPeaks:108

RawMode:Single 20.8(2141) BasePeak:43(42220)

BG Mode:20.9(2147) Group 1 - Event 1



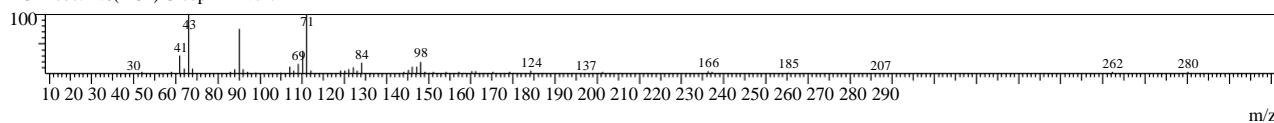
m/z

Line#:11 R.Time:21.6(Scan#:2229)

MassPeaks:92

RawMode:Single 21.6(2229) BasePeak:43(61869)

BG Mode:21.6(2232) Group 1 - Event 1



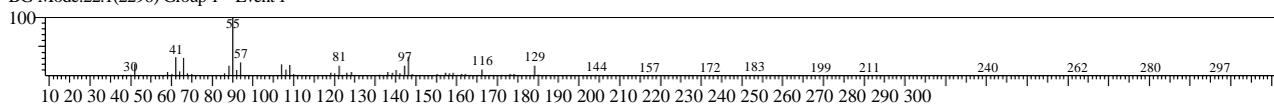
m/z

Line#:12 R.Time:22.2(Scan#:2299)

MassPeaks:113

RawMode:Single 22.2(2299) BasePeak:55(138218)

BG Mode:22.1(2296) Group 1 - Event 1



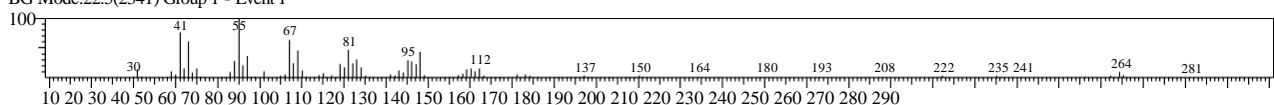
m/z

Line#:13 R.Time:22.4(Scan#:2333)

MassPeaks:130

RawMode:Single 22.4(2333) BasePeak:55(100957)

BG Mode:22.5(2341) Group 1 - Event 1



m/z

## Spectrum Comparison

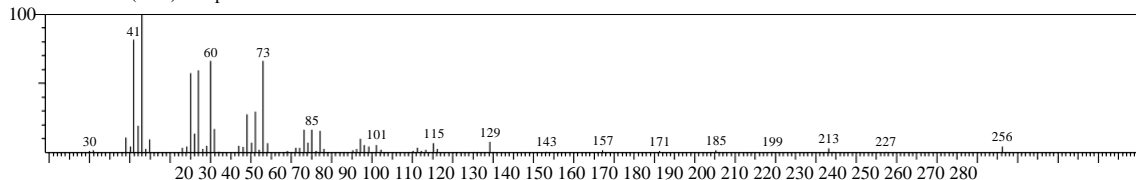
## Library

&lt;&lt; Target &gt;&gt;

Line#:1 R.Time:16.042(Scan#:1566) MassPeaks:100

RawMode:Single 16.042(1566) BasePeak:43.00(653841)

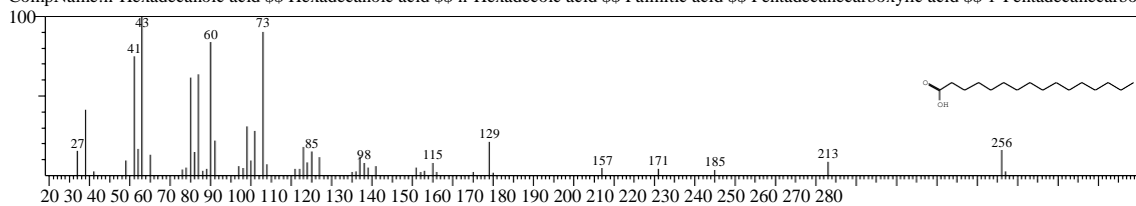
BG Mode:15.983(1559) Group 1 - Event 1



Hit#:1 Entry:74999 Library:NIST05.LIB

SI:94 Formula:C16H32O2 CAS:57-10-3 MolWeight:256 RetIndex:1968

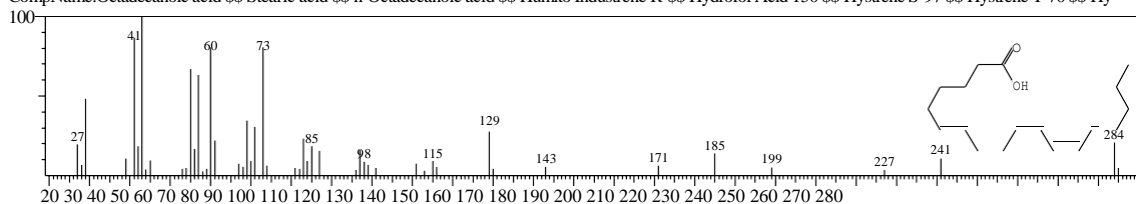
CompName:n-Hexadecanoic acid \$ Hexadecanoic acid \$ n-Hexadecoic acid \$ Palmitic acid \$ Pentadecanecarboxylic acid \$ 1-Pentadecanecarboxylic acid



Hit#:2 Entry:22977 Library:NIST05s.LIB

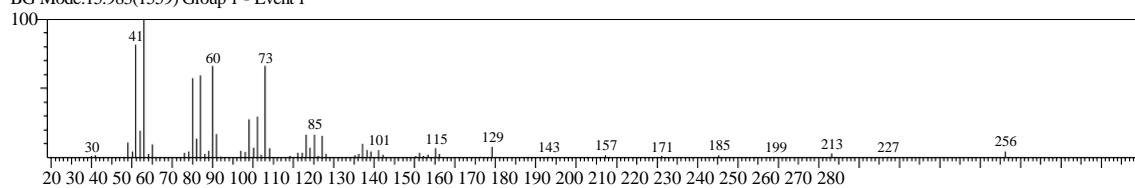
SI:91 Formula:C18H36O2 CAS:57-11-4 MolWeight:284 RetIndex:2167

CompName:Octadecanoic acid \$ Stearic acid \$ n-Octadecanoic acid \$ Humko Industrene R \$ Hydrofol Acid 150 \$ Hystrene S-97 \$ Hystrene T-70 \$ Hy



&lt;&lt; Target &gt;&gt;

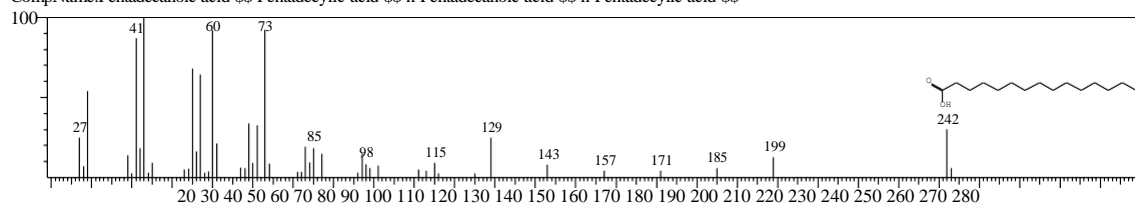
Line#:1 R.Time:16.042(Scan#:1566) MassPeaks:100  
RawMode:Single 16.042(1566) BasePeak:43.00(653841)  
BG Mode:15.983(1559) Group 1 - Event 1



Hit#:3 Entry:66523 Library:NIST05.LIB

SI:90 Formula:C<sub>15</sub>H<sub>30</sub>O<sub>2</sub> CAS:1002-84-2 MolWeight:242 RetIndex:1869

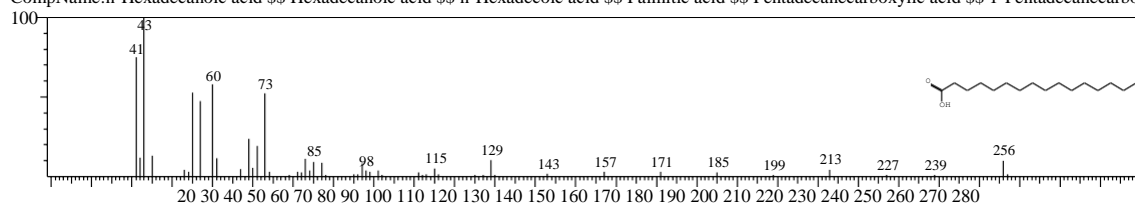
CompName:Pentadecanoic acid \$\$ Pentadecylic acid \$\$ n-Pentadecanoic acid \$\$ n-Pentadecylic acid \$\$



Hit#:4 Entry:21329 Library:NIST05s.LIB

SI:90 Formula:C<sub>16</sub>H<sub>32</sub>O<sub>2</sub> CAS:57-10-3 MolWeight:256 RetIndex:1968

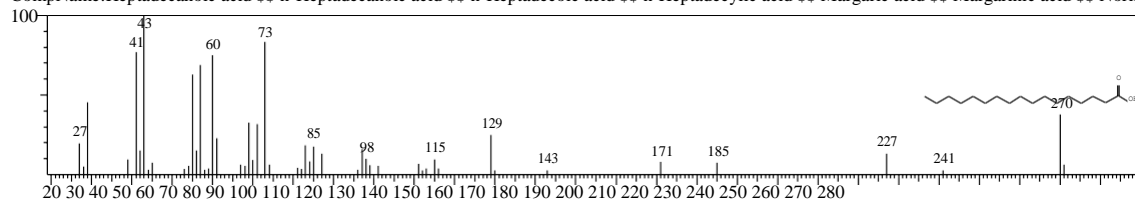
CompName:n-Hexadecanoic acid \$\$ Hexadecanoic acid \$\$ n-Hexadecoic acid \$\$ Palmitic acid \$\$ Pentadecanecarboxylic acid \$\$ 1-Pentadecanecarboxylic acid



Hit#:5 Entry:22212 Library:NIST05s.LIB

SI:90 Formula:C<sub>17</sub>H<sub>34</sub>O<sub>2</sub> CAS:506-12-7 MolWeight:270 RetIndex:2067

CompName:Heptadecanoic acid \$\$ n-Heptadecanoic acid \$\$ n-Heptadecoic acid \$\$ n-Heptadecylic acid \$\$ Margaric acid \$\$ Margarinic acid \$\$ Normal-heptade

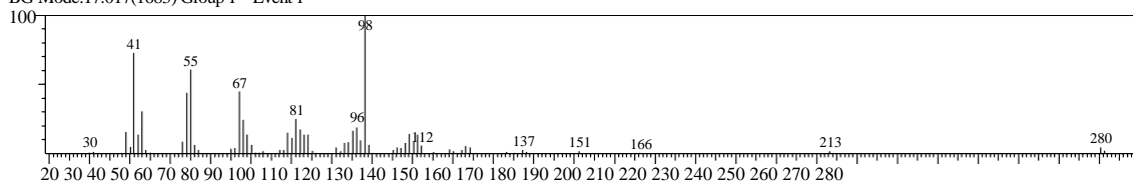


&lt;&lt; Target &gt;&gt;

Line#2 R.Time:16.992(Scan#:1680) MassPeaks:80

RawMode:Single 16.992(1680) BasePeak:98.15(105033)

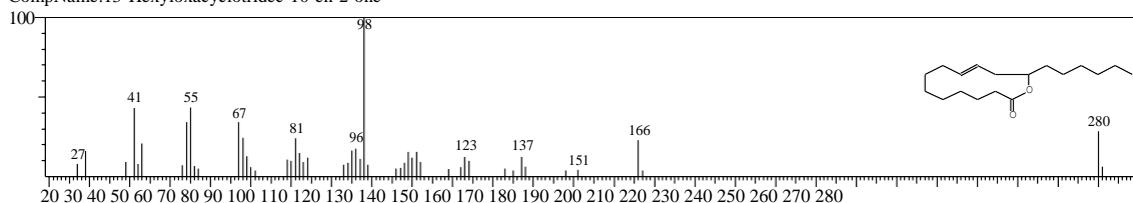
BG Mode:17.017(1683) Group 1 - Event 1



Hit#1 Entry:89303 Library:NIST05.LIB

SI:88 Formula:C18H32O2 CAS:127062-51-5 MolWeight:280 RetIndex:2325

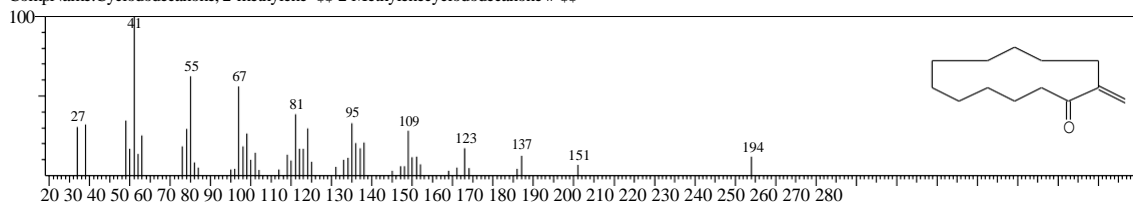
CompName:13-Hexyloxacyclotridec-10-en-2-one



Hit#2 Entry:37792 Library:NIST05.LIB

SI:85 Formula:C13H22O CAS:3045-76-9 MolWeight:194 RetIndex:1677

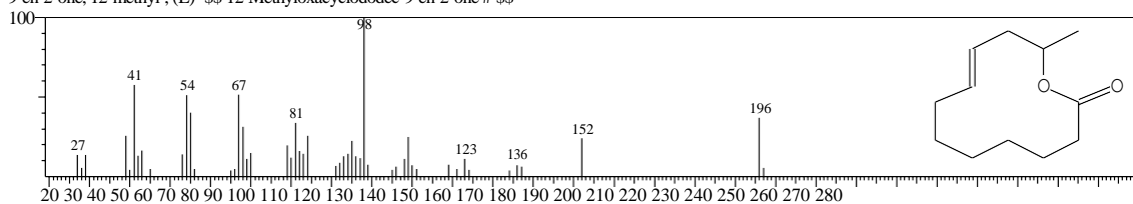
CompName:Cyclododecanone, 2-methylene- \$\$ 2-Methylenecyclododecanone # \$\$



Hit#3 Entry:38937 Library:NIST05.LIB

SI:85 Formula:C12H20O2 CAS:33644-08-5 MolWeight:196 RetIndex:1708 CompName:Oxacyclododec-

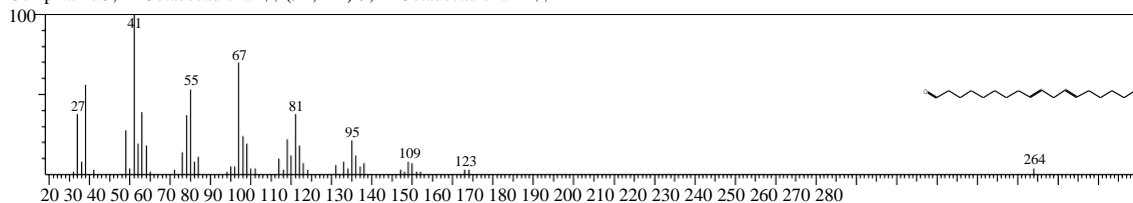
9-en-2-one, 12-methyl-, (E)- \$\$ 12-Methyloxacyclododec-9-en-2-one # \$\$



Hit#4 Entry:79743 Library:NIST05.LIB

SI:85 Formula:C18H32O CAS:26537-70-2 MolWeight:264 RetIndex:2015

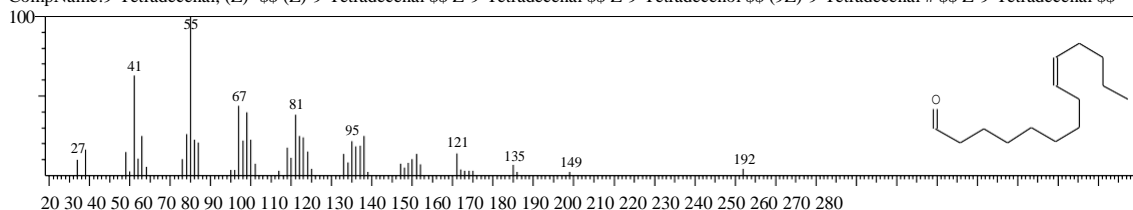
CompName:9,12-Octadecadienal (9E,12E)-9,12-Octadecadienal # \$\$



Hit#5 Entry:47276 Library:NIST05.LIB

SI:85 Formula:C14H26O CAS:53939-27-8 MolWeight:210 RetIndex:1609

CompName:9-Tetradecenal, (Z)- \$\$ (Z)-9-Tetradecenal \$\$ Z-9-Tetradecenal \$\$ Z-9-Tetradecenol \$\$ (9Z)-9-Tetradecenal # \$\$ Z-9-Tetradecenal \$\$

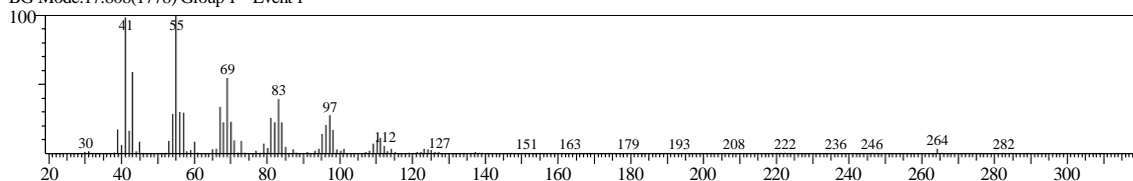


&lt;&lt; Target &gt;&gt;

Line#3 R.Time:17.767(Scan#:1773) MassPeaks:127

RawMode:Single 17.767(1773) BasePeak:55.00(540476)

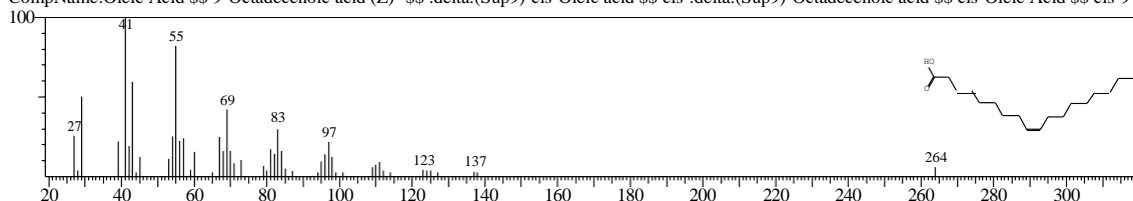
BG Mode:17.808(1778) Group 1 - Event 1



Hit#1 Entry:22869 Library:NIST05s.LIB

SI:93 Formula:C18H34O2 CAS:112-80-1 MolWeight:282 RetIndex:2175

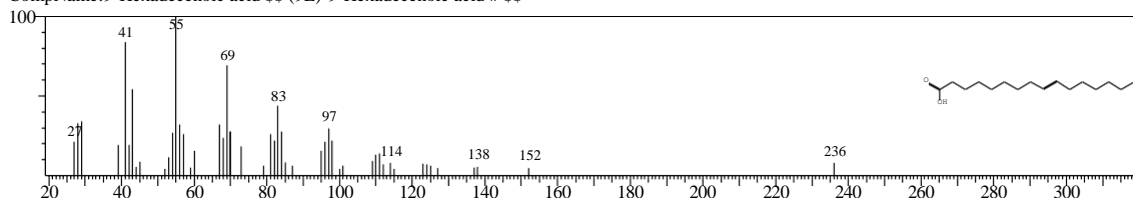
CompName:Oleic Acid \$\$ 9-Octadecenoic acid (Z)- \$.delta.(Sup9)-cis-Oleic acid \$\$ cis-.delta.(Sup9)-Octadecenoic acid \$\$ cis-Oleic Acid \$\$ cis-9-Octadecen



Hit#2 Entry:73685 Library:NIST05.LIB

SI:92 Formula:C16H30O2 CAS:2091-29-4 MolWeight:254 RetIndex:1976

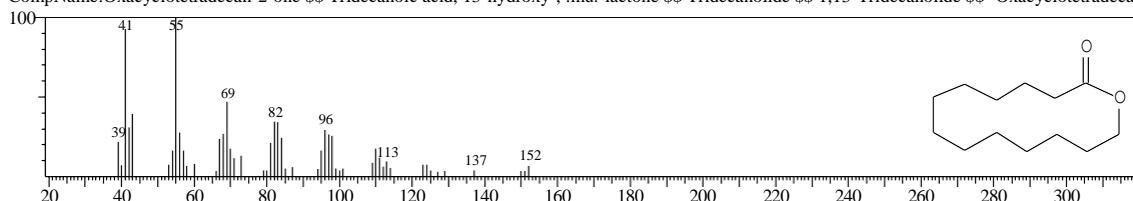
CompName:9-Hexadecenoic acid \$\$ (9E)-9-Hexadecenoic acid # \$\$



Hit#3 Entry:17628 Library:NIST05s.LIB

SI:91 Formula:C13H24O2 CAS:1725-04-8 MolWeight:212 RetIndex:1904

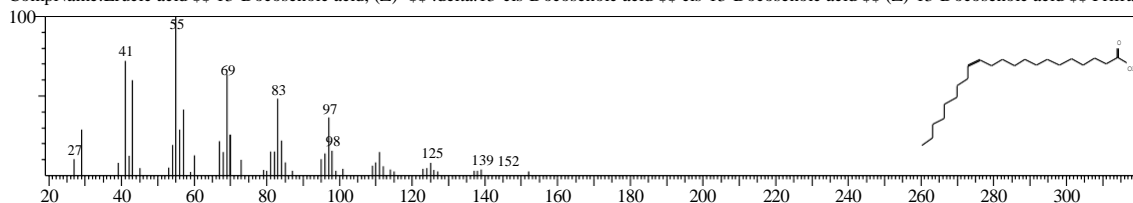
CompName:Oxacyclotetradecan-2-one \$\$ Tridecanoic acid, 13-hydroxy-, .mu.-lactone \$\$ Tridecanolide \$\$ 1,13-Tridecanolide \$\$ -Oxacyclotetradecan-2-one \$\$



Hit#4 Entry:121691 Library:NIST05.LIB

SI:91 Formula:C22H42O2 CAS:112-86-7 MolWeight:338 RetIndex:2572

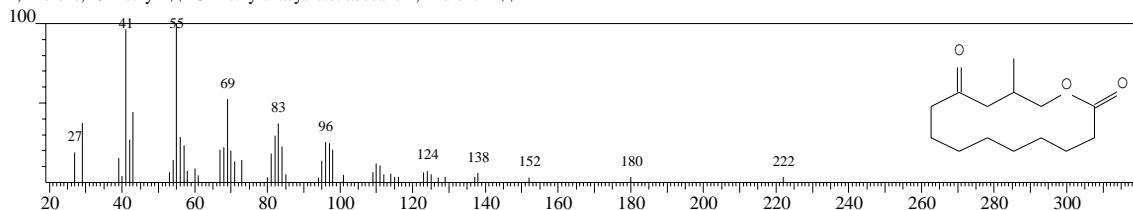
CompName:Erucic acid \$\$ 13-Docosenoic acid, (Z)- \$.delta.13-cis-Docosenoic acid \$\$ cis-13-Docosenoic acid \$\$ (Z)-13-Docosenoic acid \$\$ Prifrac 2990 \$\$



Hit#5 Entry:65143 Library:NIST05.LIB

SI:91 Formula:C14H24O3 CAS:74685-36-2 MolWeight:240 RetIndex:2137 CompName:Oxacyclotetradecane-

2,11-dione, 13-methyl- \$\$ 13-Methyloxacyclotetradecane-2,11-dione # \$\$

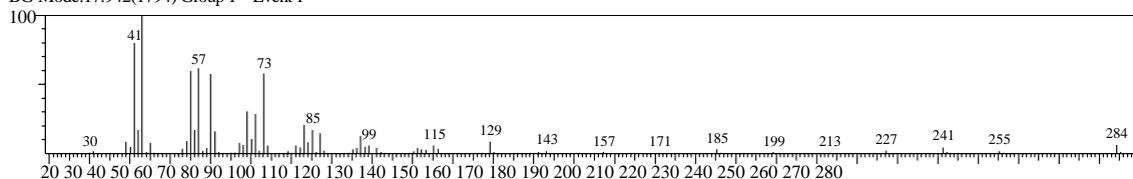


&lt;&lt; Target &gt;&gt;

Line#4 R.Time:17.917(Scan#:1791) MassPeaks:99

RawMode:Single 17.917(1791) BasePeak:43.00(200286)

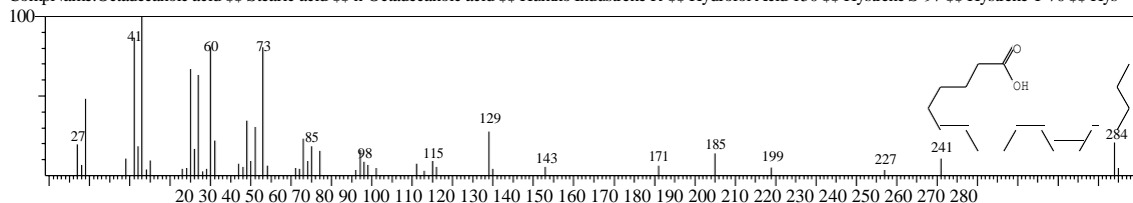
BG Mode:17.942(1794) Group 1 - Event 1



Hit#1 Entry:22977 Library:NIST05s.LIB

SI:92 Formula:C18H36O2 CAS:57-11-4 MolWeight:284 RetIndex:2167

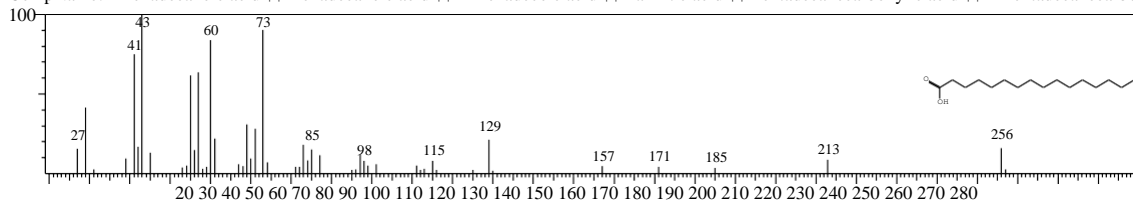
CompName:Octadecanoic acid \$\$ Stearic acid \$\$ n-Octadecanoic acid \$\$ Humko Industrine R \$\$ Hydrofol Acid 150 \$\$ Hystrene S-97 \$\$ Hystrene T-70 \$\$ Hys



Hit#2 Entry:74999 Library:NIST05.LIB

SI:92 Formula:C16H32O2 CAS:57-10-3 MolWeight:256 RetIndex:1968

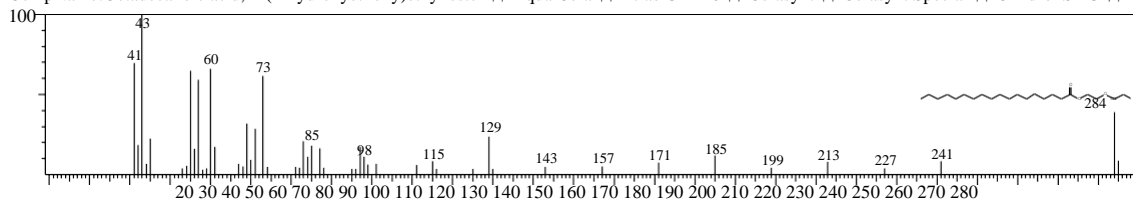
CompName:n-Hexadecanoic acid \$\$ Hexadecanoic acid \$\$ n-Hexadecoic acid \$\$ Palmitic acid \$\$ Pentadecanecarboxylic acid \$\$ 1-Pentadecanecarboxylic acid



Hit#3 Entry:136237 Library:NIST05.LIB

SI:91 Formula:C22H44O4 CAS:106-11-6 MolWeight:372 RetIndex:2694

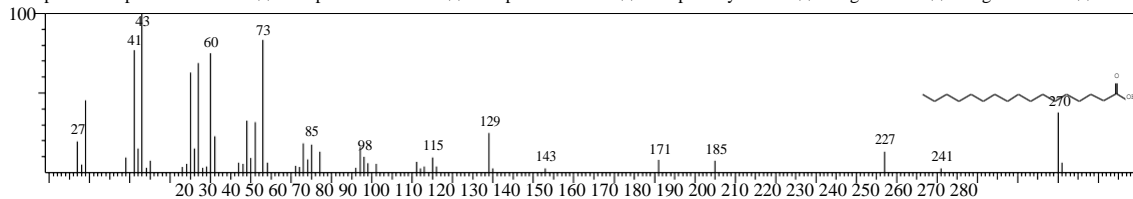
CompName:Octadecanoic acid, 2-(2-hydroxyethoxy)ethyl ester \$\$ Aqua Cera \$\$ Atlas G 2146 \$\$ Cerasynt \$\$ Cerasynt Special \$\$ Clindrol SDG \$\$ Diethylene



Hit#4 Entry:22212 Library:NIST05s.LIB

SI:91 Formula:C17H34O2 CAS:506-12-7 MolWeight:270 RetIndex:2067

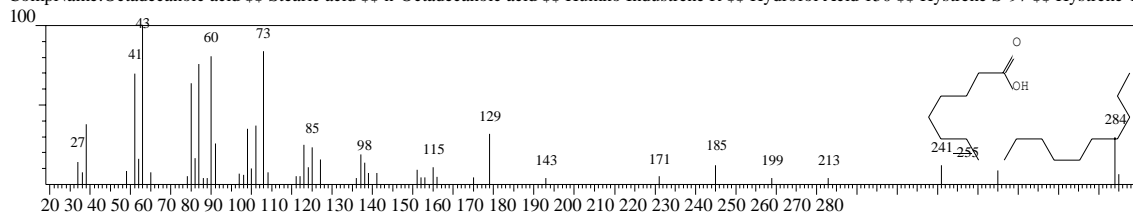
CompName:Heptadecanoic acid \$\$ n-Heptadecanoic acid \$\$ n-Heptadecoic acid \$\$ n-Heptadecylic acid \$\$ Margarinic acid \$\$ Margarinic acid \$\$ Normal-heptade



Hit#5 Entry:91895 Library:NIST05.LIB

SI:90 Formula:C18H36O2 CAS:57-11-4 MolWeight:284 RetIndex:2167

CompName:Octadecanoic acid \$\$ Stearic acid \$\$ n-Octadecanoic acid \$\$ Humko Industrine R \$\$ Hydrofol Acid 150 \$\$ Hystrene S-97 \$\$ Hystrene T-70 \$\$ Hys



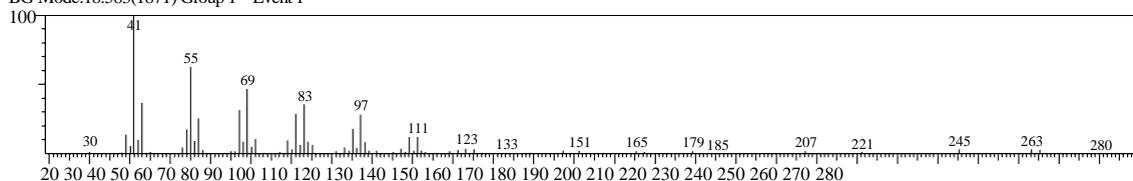


&lt;&lt; Target &gt;&gt;

Line#5 R.Time:18.525(Scan#:1864) MassPeaks:89

RawMode:Single 18.525(1864) BasePeak:40.95(129909)

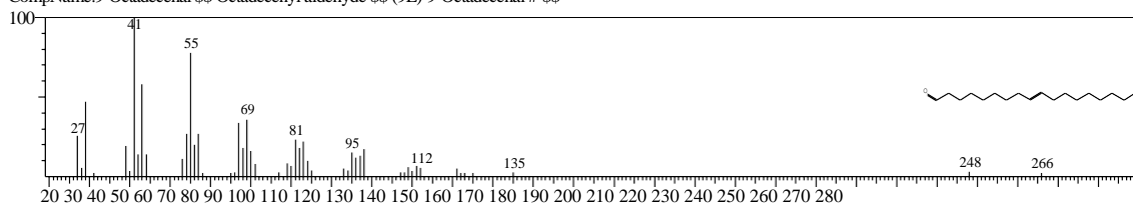
BG Mode:18.583(1871) Group 1 - Event 1



Hit#1 Entry:80928 Library:NIST05.LIB

SI:88 Formula:C18H34O CAS:5090-41-5 MolWeight:266 RetIndex:2007

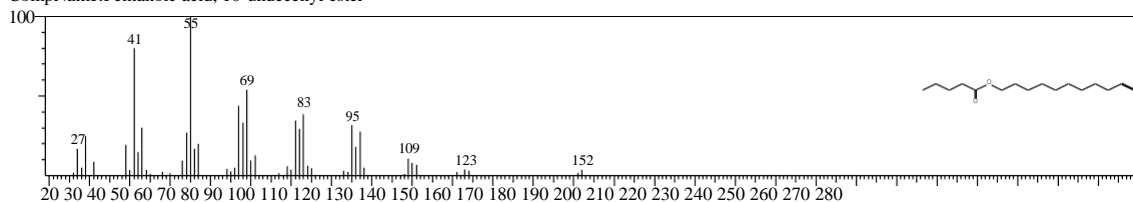
CompName:9-Octadecenal \$\$(9E)-9-Octadecenal # \$\$



Hit#2 Entry:73684 Library:NIST05.LIB

SI:87 Formula:C16H30O2 CAS:0-00-0 MolWeight:254 RetIndex:1769

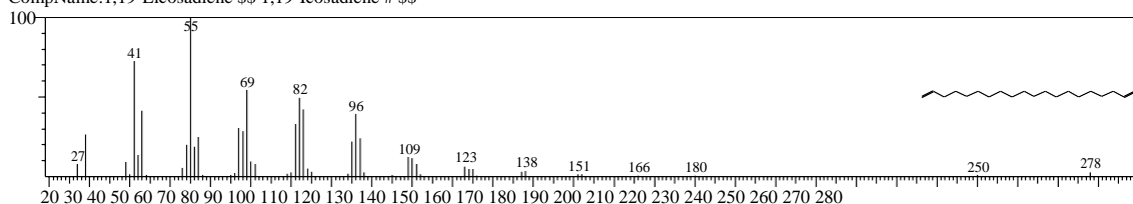
CompName:Pentanoic acid, 10-undecenyl ester



Hit#3 Entry:22677 Library:NIST05s.LIB

SI:86 Formula:C20H38 CAS:14811-95-1 MolWeight:278 RetIndex:1989

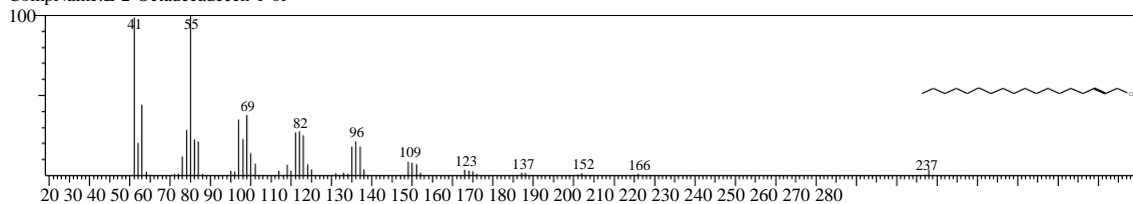
CompName:1,19-Eicosadiene \$\$(1E,17E)-1,19-Eicosadiene # \$\$



Hit#4 Entry:82261 Library:NIST05.LIB

SI:86 Formula:C18H36O CAS:0-00-0 MolWeight:268 RetIndex:2061

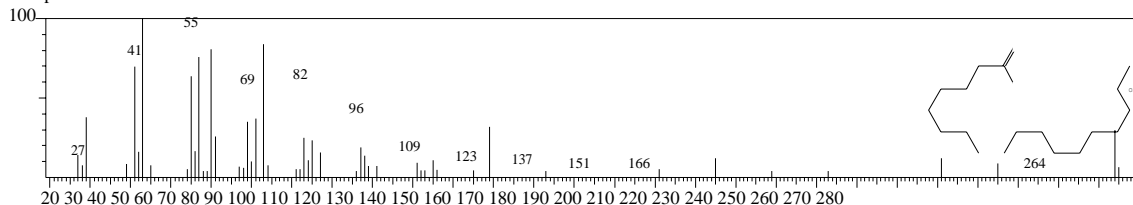
CompName:E-2-Octadecadecen-1-ol



Hit#5 Entry:90655 Library:NIST05.LIB

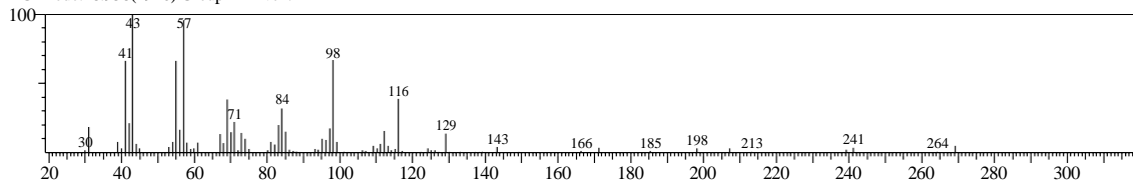
SI:85 Formula:C19H38O CAS:0-00-0 MolWeight:282 RetIndex:2143

CompName:18-Nonadecen-1-ol



&lt;&lt; Target &gt;&gt;

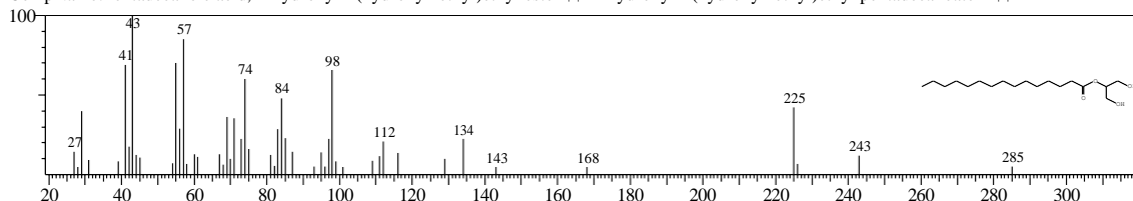
Line#6 R.Time:18.942(Scan#:1914) MassPeaks:89  
RawMode:Single 18.942(1914) BasePeak:43.00(59974)  
BG Mode:18.958(1916) Group 1 - Event 1



Hit#1 Entry:110136 Library:NIST05.LIB

SI:85 Formula:C18H36O4 CAS:98863-01-5 MolWeight:316 RetIndex:2399

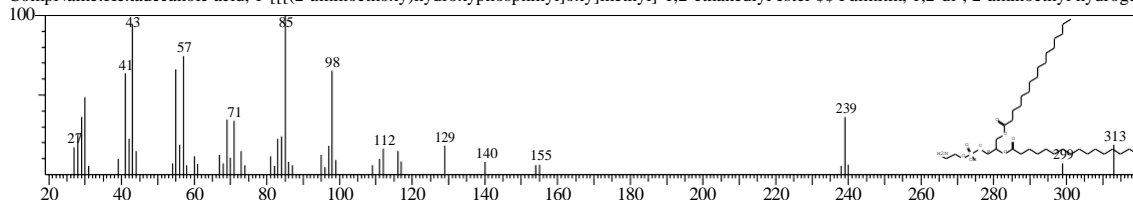
CompName:Palmitic acid, 2-hydroxy-1-(hydroxymethyl)ethyl ester \$2-Hydroxy-1-(hydroxymethyl)ethyl palmitate # \$



Hit#2 Entry:162295 Library:NIST05.LIB

SI:84 Formula:C37H74NO8P CAS:3026-45-7 MolWeight:691 RetIndex:0

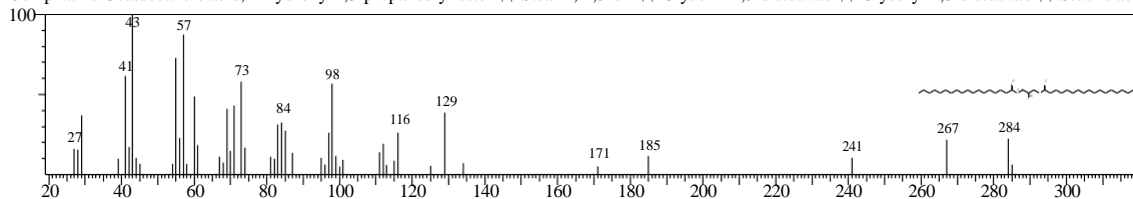
CompName:Hexadecanoic acid, 1-[[[(2-aminoethoxy)hydroxyphosphinyl]oxy]methyl]-1,2-ethanediyl ester \$Palmitin, 1,2-di-, 2-aminoethyl hydrogen phospho



Hit#3 Entry:27524 Library:NIST05s.LIB

SI:84 Formula:C39H76O5 CAS:504-40-5 MolWeight:624 RetIndex:4395

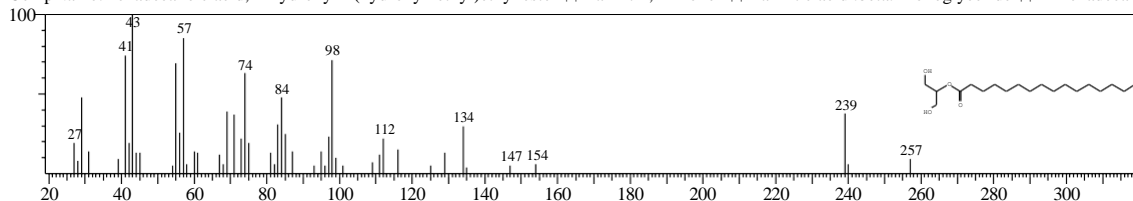
CompName:Octadecanoic acid, 2-hydroxy-1,3-propanediyl ester \$Stearin, 1,3-di- \$Glycerin 1,3-distearate \$Glyceryl 1,3-distearate \$Stearic acid diglycer



Hit#4 Entry:117519 Library:NIST05.LIB

SI:84 Formula:C19H38O4 CAS:23470-00-0 MolWeight:330 RetIndex:2498

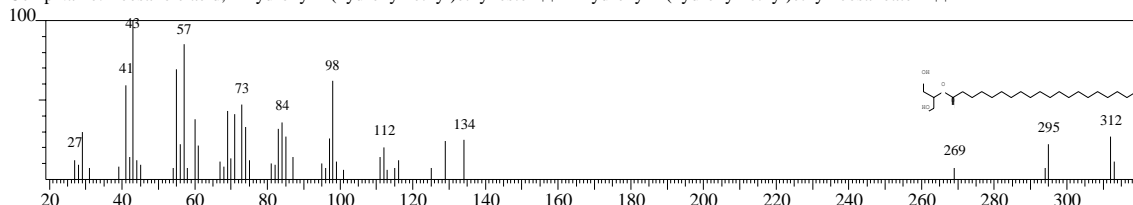
CompName:Hexadecanoic acid, 2-hydroxy-1-(hydroxymethyl)ethyl ester \$Palmitin, 2-mono- \$Palmitic acid .beta.-monoglyceride \$2-Hexadecanoyl glycer



Hit#5 Entry:140926 Library:NIST05.LIB

SI:84 Formula:C23H46O4 CAS:55334-78-6 MolWeight:386 RetIndex:2896

CompName:Eicosanoic acid, 2-hydroxy-1-(hydroxymethyl)ethyl ester \$2-Hydroxy-1-(hydroxymethyl)ethyl icosanoate # \$

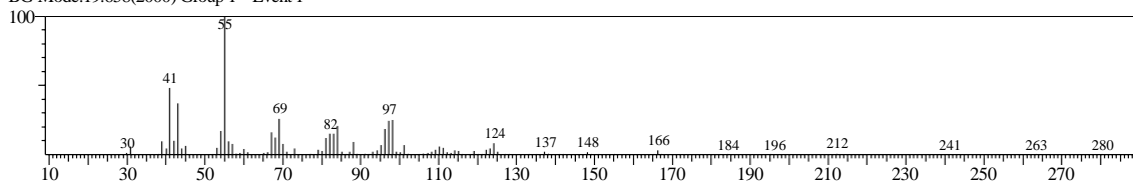


&lt;&lt; Target &gt;&gt;

Line#:7 R.Time:19.567(Scan#:1989) MassPeaks:122

RawMode:Single 19.567(1989) BasePeak:55.00(1163961)

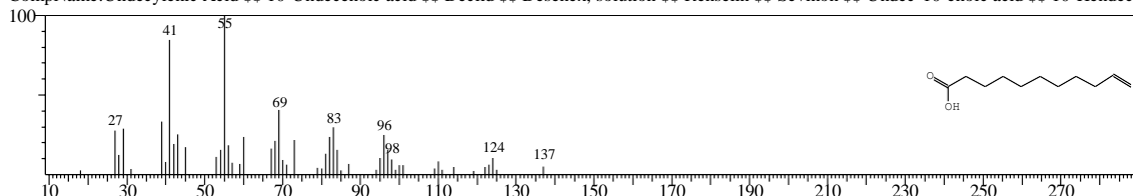
BG Mode:19.658(2000) Group 1 - Event 1



Hit#:1 Entry:14026 Library:NIST05s.LIB

SI:87 Formula:C11H20O2 CAS:112-38-9 MolWeight:184 RetIndex:1461

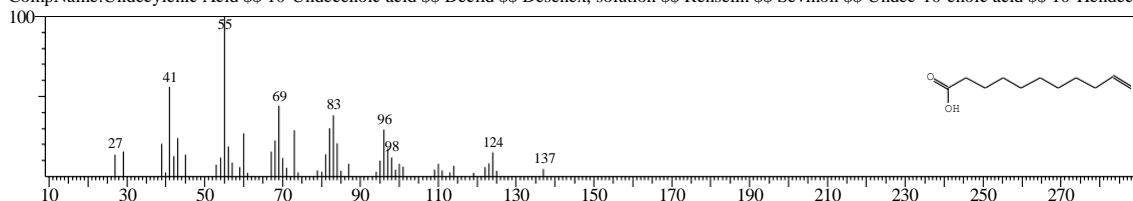
CompName:Undecylenic Acid \$\$ 10-Undecenoic acid \$\$ Declid \$\$ Desenex, solution \$\$ Renselin \$\$ Sevinox \$\$ Undec-10-enoic acid \$\$ 10-Hendecenoic acid



Hit#:2 Entry:14025 Library:NIST05s.LIB

SI:86 Formula:C11H20O2 CAS:112-38-9 MolWeight:184 RetIndex:1461

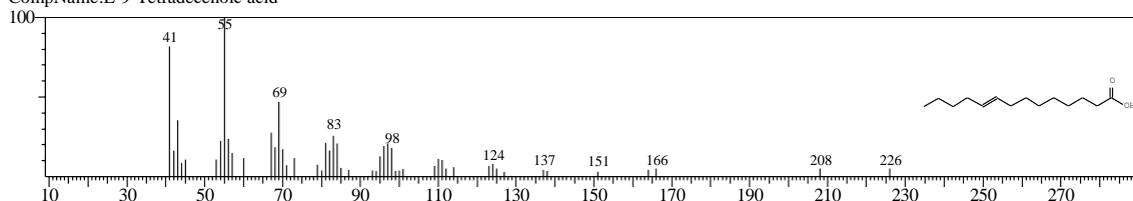
CompName:Undecylenic Acid \$\$ 10-Undecenoic acid \$\$ Declid \$\$ Desenex, solution \$\$ Renselin \$\$ Sevinox \$\$ Undec-10-enoic acid \$\$ 10-Hendecenoic acid



Hit#:3 Entry:57001 Library:NIST05.LIB

SI:86 Formula:C14H26O2 CAS:0-00-0 MolWeight:226 RetIndex:1777

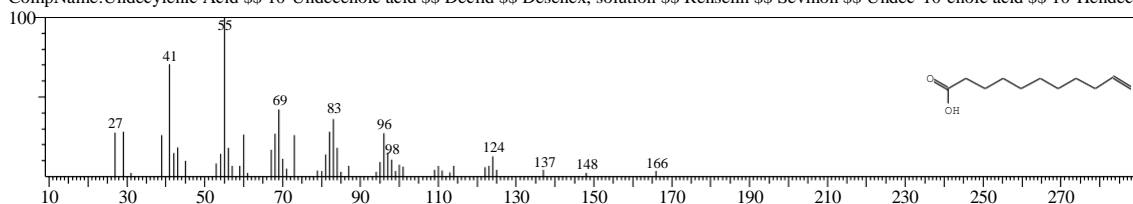
CompName:E-9-Tetradecenoic acid



Hit#:4 Entry:14027 Library:NIST05s.LIB

SI:86 Formula:C11H20O2 CAS:112-38-9 MolWeight:184 RetIndex:1461

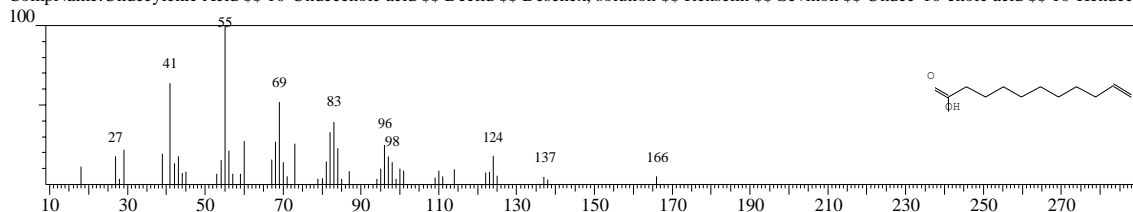
CompName:Undecylenic Acid \$\$ 10-Undecenoic acid \$\$ Declid \$\$ Desenex, solution \$\$ Renselin \$\$ Sevinox \$\$ Undec-10-enoic acid \$\$ 10-Hendecenoic acid



Hit#:5 Entry:32133 Library:NIST05.LIB

SI:86 Formula:C11H20O2 CAS:112-38-9 MolWeight:184 RetIndex:1461

CompName:Undecylenic Acid \$\$ 10-Undecenoic acid \$\$ Declid \$\$ Desenex, solution \$\$ Renselin \$\$ Sevinox \$\$ Undec-10-enoic acid \$\$ 10-Hendecenoic acid

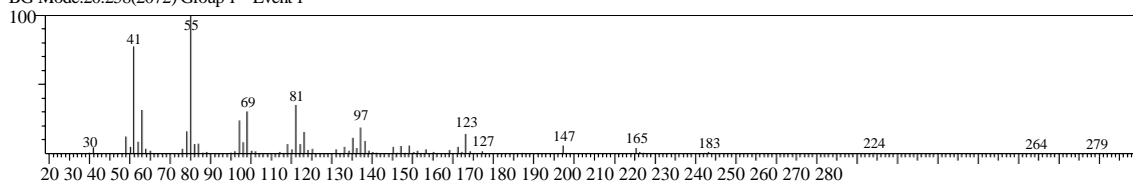


&lt;&lt; Target &gt;&gt;

Line#8 R.Time:20.208(Scan#:2066) MassPeaks:95

RawMode:Single 20.208(2066) BasePeak:55.00(406651)

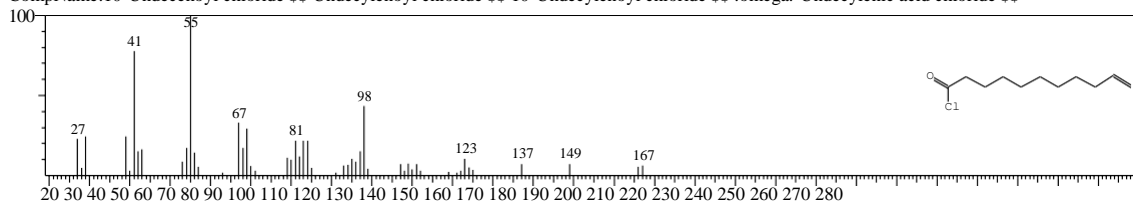
BG Mode:20.258(2072) Group 1 - Event 1



Hit#1 Entry:42044 Library:NIST05.LIB

SI:86 Formula:C11H19ClO CAS:38460-95-6 MolWeight:202 RetIndex:1417

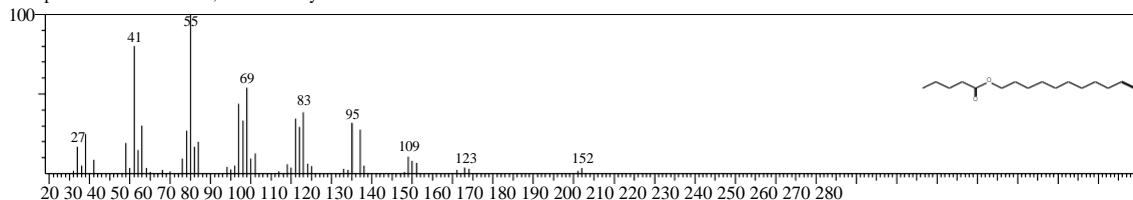
CompName:10-Undecenyl chloride \$\$ Undecenyl chloride \$\$ 10-Undecenyl chloride \$\$ .omega.-Undecenyl acid chloride \$\$



Hit#2 Entry:73684 Library:NIST05.LIB

SI:85 Formula:C16H30O2 CAS:0-00-0 MolWeight:254 RetIndex:1769

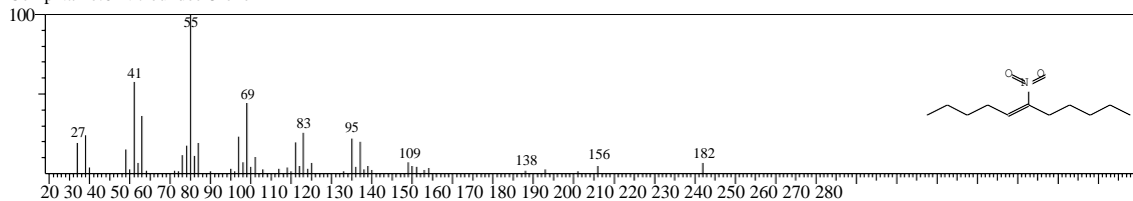
CompName:Pentanoic acid, 10-undecenyl ester



Hit#3 Entry:40499 Library:NIST05.LIB

SI:84 Formula:C11H21NO2 CAS:0-00-0 MolWeight:199 RetIndex:1481

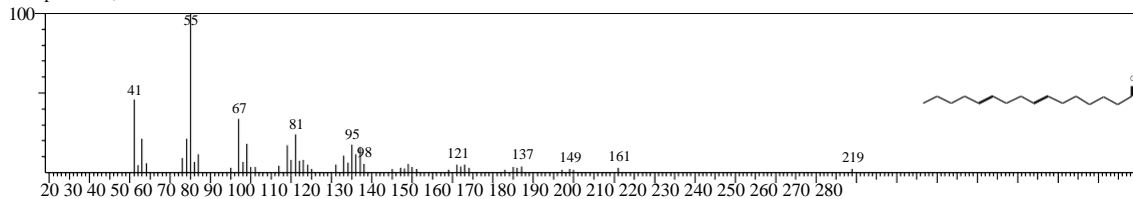
CompName:6-Nitroundec-5-ene



Hit#4 Entry:62876 Library:NIST05.LIB

SI:84 Formula:C16H28O CAS:0-00-0 MolWeight:236 RetIndex:1816

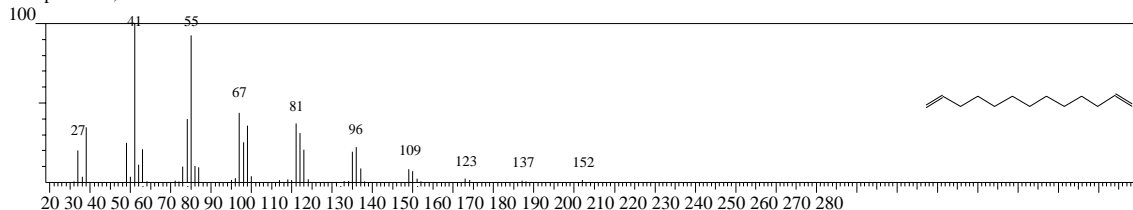
CompName:7,11-Hexadecadienal



Hit#5 Entry:13485 Library:NIST05s.LIB

SI:84 Formula:C13H24 CAS:21964-48-7 MolWeight:180 RetIndex:1294

CompName:1,12-Tridecadiene

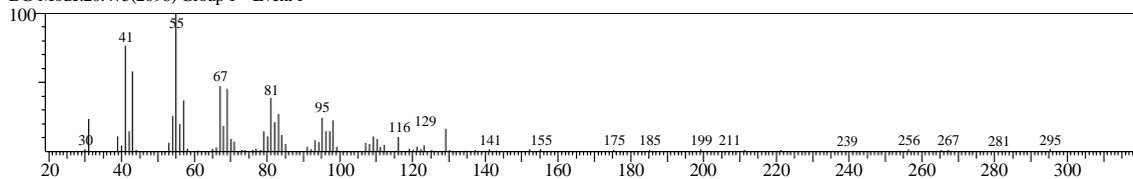


&lt;&lt; Target &gt;&gt;

Line#9 R.Time:20.450(Scan#:2095) MassPeaks:111

RawMode:Single 20.450(2095) BasePeak:55.00(132800)

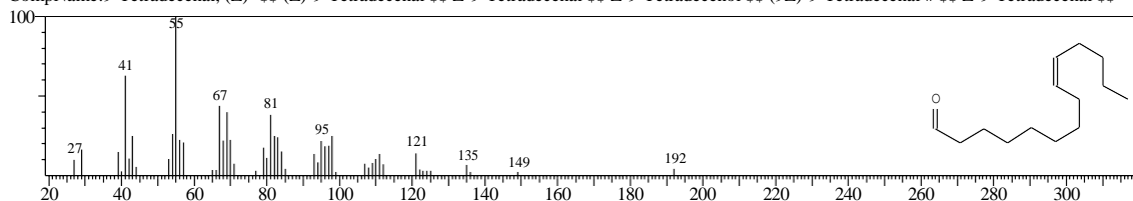
BG Mode:20.475(2098) Group 1 - Event 1



Hit#1 Entry:47276 Library:NIST05.LIB

SI:89 Formula:C14H26O CAS:53939-27-8 MolWeight:210 RetIndex:1609

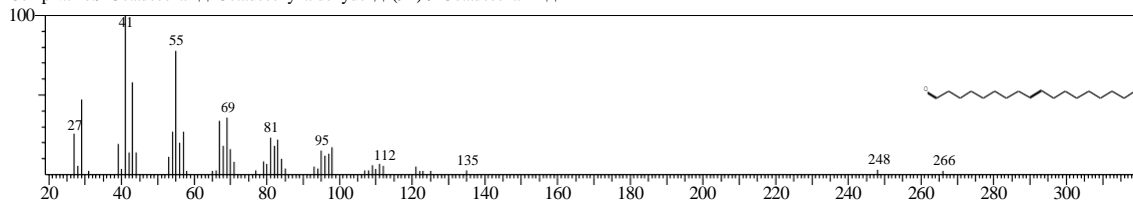
CompName:9-Tetradecenal, (Z)- \$\$ (Z)-9-Tetradecenal \$\$ Z-9-Tetradecenol \$\$ (9Z)-9-Tetradecenol \$\$ Z-9-Tetradecenol #



Hit#2 Entry:80928 Library:NIST05.LIB

SI:88 Formula:C18H34O CAS:5090-41-5 MolWeight:266 RetIndex:2007

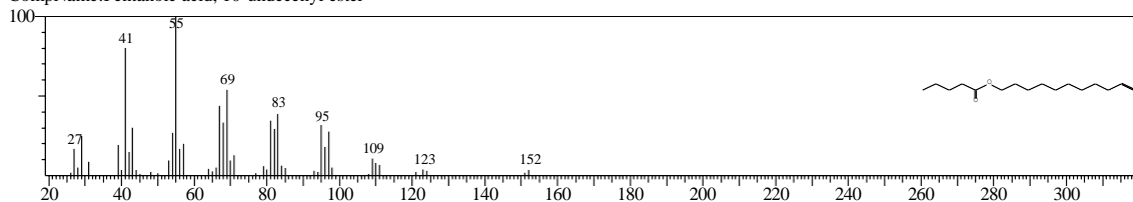
CompName:9-Octadecenal \$\$ Octadecenyl aldehyde \$\$ (9E)-9-Octadecenal #



Hit#3 Entry:73684 Library:NIST05.LIB

SI:88 Formula:C16H30O2 CAS:0-00-0 MolWeight:254 RetIndex:1769

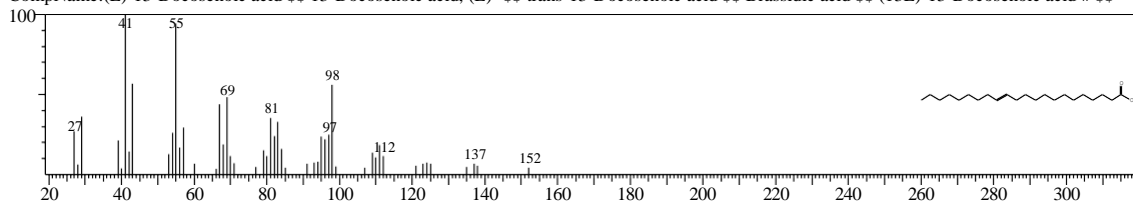
CompName:Pentanoic acid, 10-undecenyl ester



Hit#4 Entry:121688 Library:NIST05.LIB

SI:88 Formula:C22H42O2 CAS:506-33-2 MolWeight:338 RetIndex:2572

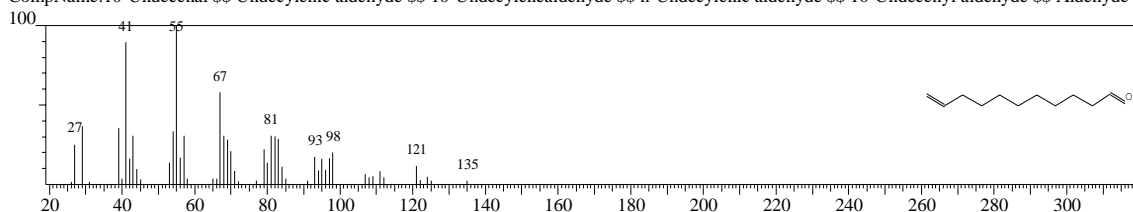
CompName:(E)-13-Docosenoic acid \$\$ 13-Docosenoic acid, (E)- \$\$ trans-13-Docosenoic acid \$\$ Brassidic acid \$\$ (13E)-13-Docosenoic acid #



Hit#5 Entry:11659 Library:NIST05s.LIB

SI:88 Formula:C11H20O CAS:112-45-8 MolWeight:168 RetIndex:1293

CompName:10-Undecenal \$\$ Undecylenic aldehyde \$\$ 10-Undecylenaldehyde \$\$ n-Undecylenic aldehyde \$\$ 10-Undecenyl aldehyde \$\$ Aldehyde C-11, unde

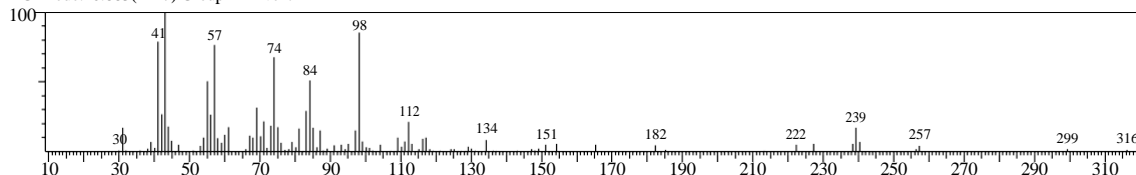


&lt;&lt; Target &gt;&gt;

Line#:10 R.Time:20.833(Scan#:2141) MassPeaks:108

RawMode:Single 20.833(2141) BasePeak:43.00(42220)

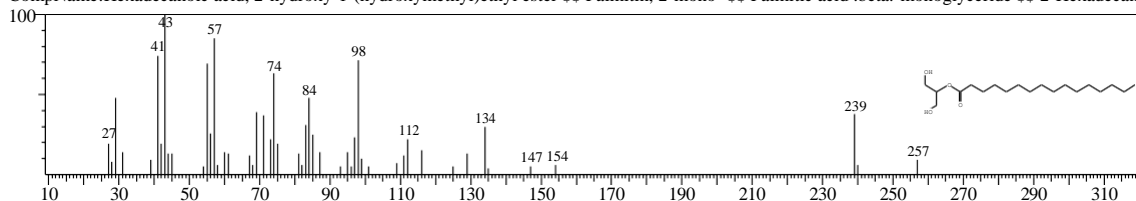
BG Mode:20.883(2147) Group 1 - Event 1



Hit#:1 Entry:117519 Library:NIST05.LIB

SI:89 Formula:C19H38O4 CAS:23470-00-0 MolWeight:330 RetIndex:2498

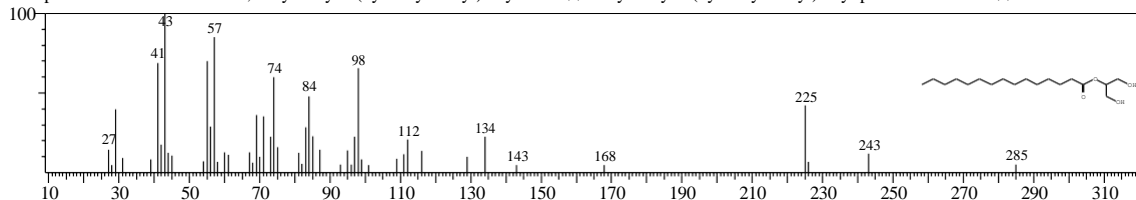
CompName:Hexadecanoic acid, 2-hydroxy-1-(hydroxymethyl)ethyl ester \$\$ Palmitin, 2-mono- \$\$ Palmitic acid .beta.-monoglyceride \$\$ 2-Hexadecanoyl glycer



Hit#:2 Entry:110136 Library:NIST05.LIB

SI:86 Formula:C18H36O4 CAS:98863-01-5 MolWeight:316 RetIndex:2399

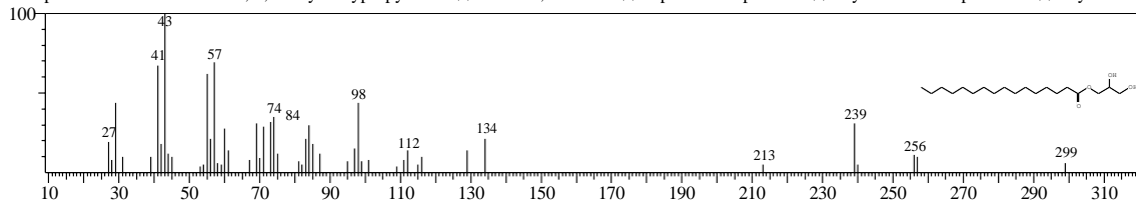
CompName:Pentadecanoic acid, 2-hydroxy-1-(hydroxymethyl)ethyl ester \$\$ 2-Hydroxy-1-(hydroxymethyl)ethyl pentadecanoate # \$\$



Hit#:3 Entry:117520 Library:NIST05.LIB

SI:85 Formula:C19H38O4 CAS:542-44-9 MolWeight:330 RetIndex:2482

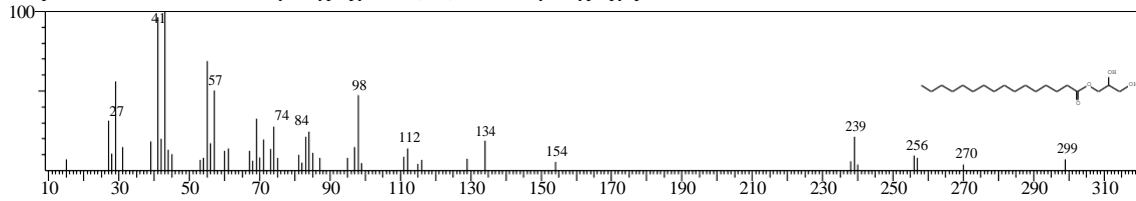
CompName:Hexadecanoic acid, 2,3-dihydroxypropyl ester \$\$ Palmitin, 1-mono- \$\$ .alpha.-Monopalmitin \$\$ Glycerol 1-monopalmitate \$\$ Glycerol 1-palmitate



Hit#:4 Entry:117518 Library:NIST05.LIB

SI:85 Formula:C19H38O4 CAS:19670-51-0 MolWeight:330 RetIndex:2482

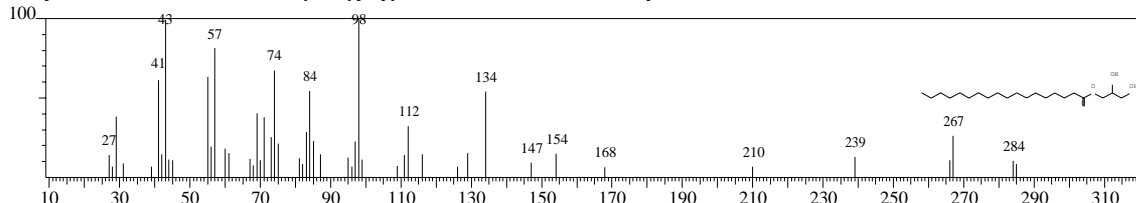
CompName:Hexadecanoic acid, 2,3-dihydroxypropyl ester, (+/-)- \$\$ 2,3-Dihydroxypropyl palmitate # \$\$



Hit#:5 Entry:130614 Library:NIST05.LIB

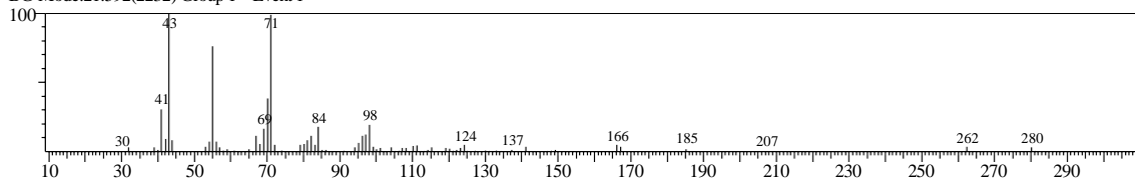
SI:85 Formula:C21H42O4 CAS:123-94-4 MolWeight:358 RetIndex:2681

CompName:Octadecanoic acid, 2,3-dihydroxypropyl ester \$\$ Stearin, 1-mono- \$\$ .alpha.-Monostearin \$\$ Aldo MSD \$\$ Aldo MSLG \$\$ Aldo 33 \$\$ Aldo 75 \$\$

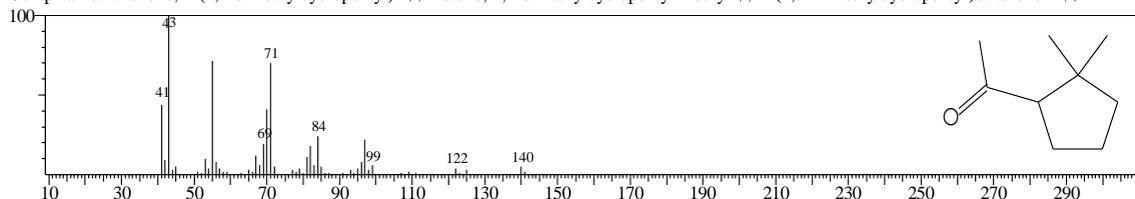


&lt;&lt; Target &gt;&gt;

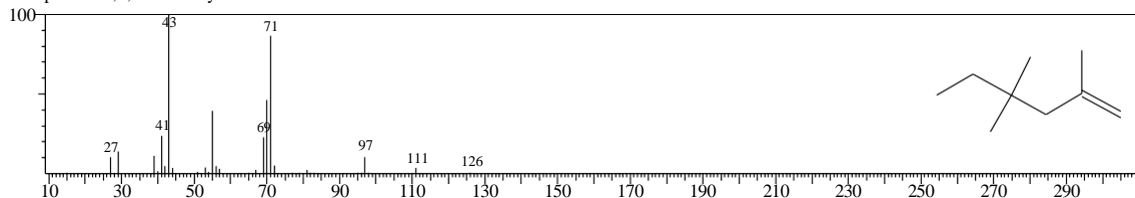
Line#:11 R.Time:21.567(Scan#:2229) MassPeaks:92  
RawMode:Single 21.567(2229) BasePeak:43.00(61869)  
BG Mode:21.592(2232) Group 1 - Event 1



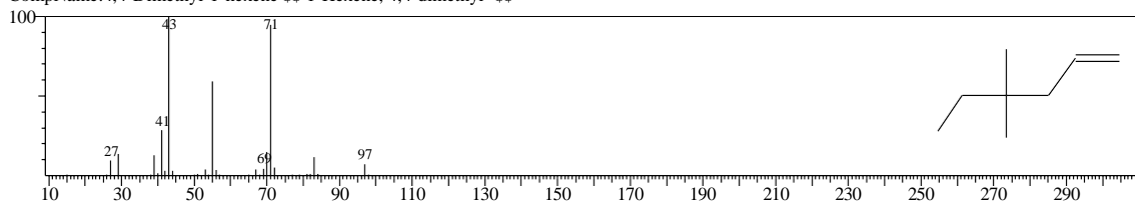
Hit#:1 Entry:10977 Library:NIST05.LIB  
SI:86 Formula:C<sub>9</sub>H<sub>16</sub>O CAS:3664-75-3 MolWeight:140 RetIndex:1031  
CompName:Ethanone, 1-(2,2-dimethylcyclopentyl)- \$\$ Ketone, 2,2-dimethylcyclopentyl methyl \$\$ 1-(2,2-Dimethylcyclopentyl)ethanone # \$\$



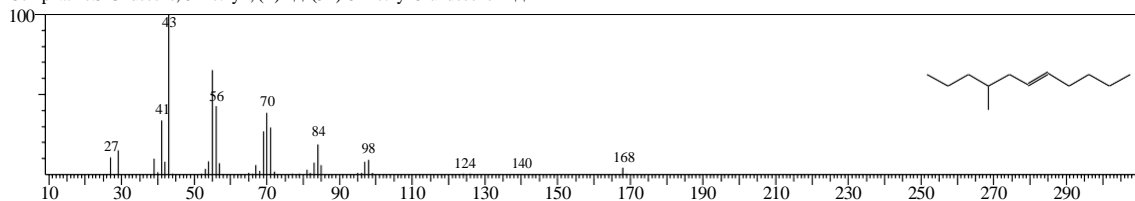
Hit#:2 Entry:4638 Library:NIST05s.LIB  
SI:82 Formula:C<sub>9</sub>H<sub>18</sub> CAS:51174-12-0 MolWeight:126 RetIndex:799  
CompName:2,4,4-Trimethyl-1-hexene



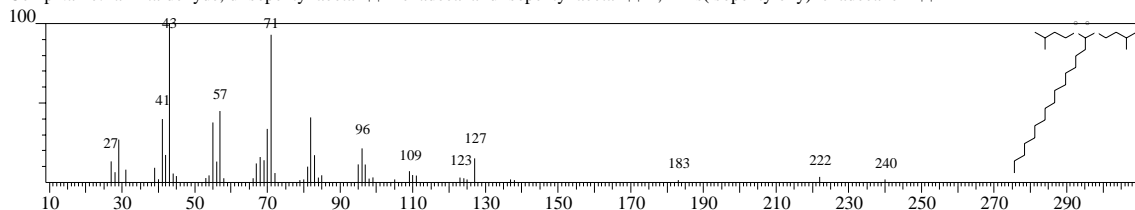
Hit#:3 Entry:3571 Library:NIST05.LIB  
SI:82 Formula:C<sub>8</sub>H<sub>16</sub> CAS:1647-08-1 MolWeight:112 RetIndex:722  
CompName:4,4-Dimethyl-1-hexene \$\$ 1-Hexene, 4,4-dimethyl- \$\$



Hit#:4 Entry:23806 Library:NIST05.LIB  
SI:82 Formula:C<sub>12</sub>H<sub>24</sub> CAS:39546-85-5 MolWeight:168 RetIndex:1158  
CompName:5-Undecene, 8-methyl-, (E)- \$\$ (5E)-8-Methyl-5-undecene # \$\$

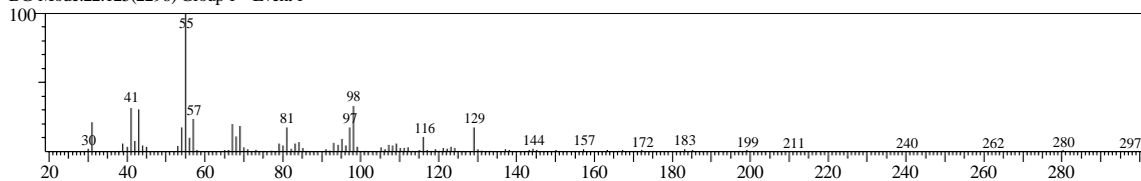


Hit#:5 Entry:144315 Library:NIST05.LIB  
SI:82 Formula:C<sub>26</sub>H<sub>54</sub>O<sub>2</sub> CAS:18302-71-1 MolWeight:398 RetIndex:2565  
CompName:Palmitaldehyde, diisopentyl acetal \$\$ Hexadecanal diisopentyl acetal \$\$ 1,1-Bis(isopentyloxy)hexadecane # \$\$

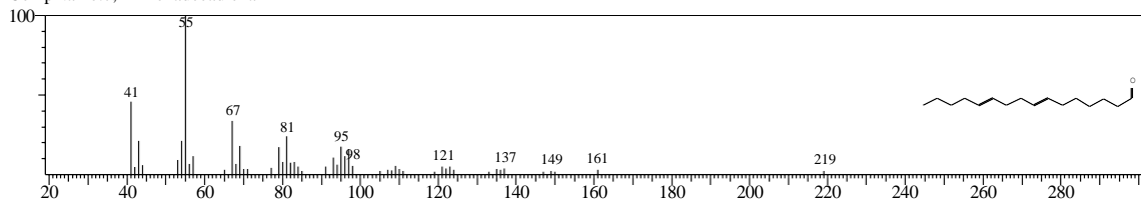


&lt;&lt; Target &gt;&gt;

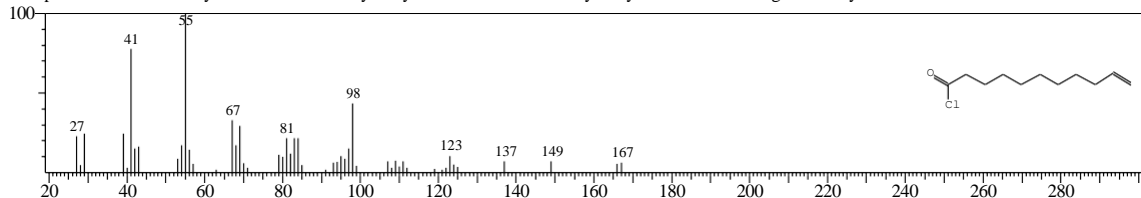
Line#:12 R.Time:22.150(Scan#:2299) MassPeaks:113  
RawMode:Single 22.150(2299) BasePeak:55.00(138218)  
BG Mode:22.125(2296) Group 1 - Event 1



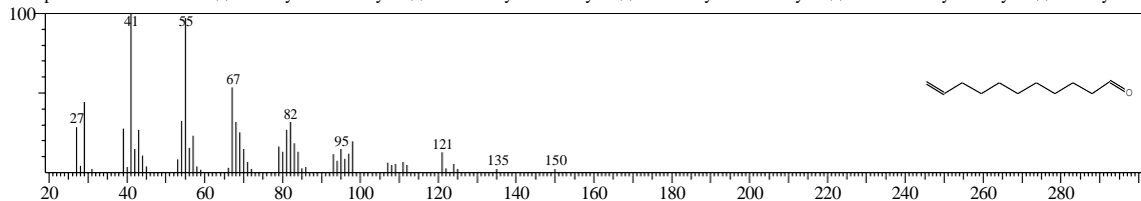
Hit#:1 Entry:62876 Library:NIST05.LIB  
SI:81 Formula:C16H28O CAS:0-00-0 MolWeight:236 RetIndex:1816  
CompName:7,11-Hexadecadienal



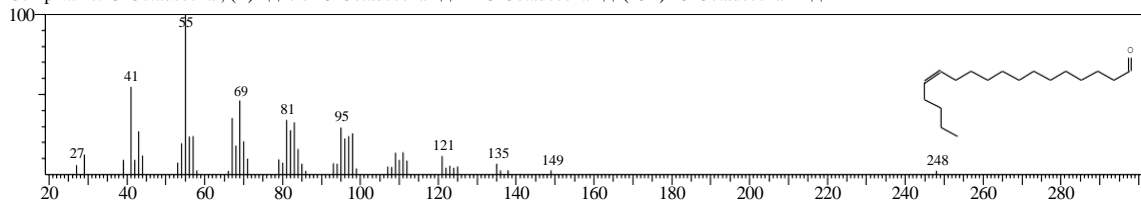
Hit#:2 Entry:42044 Library:NIST05.LIB  
SI:81 Formula:C11H19ClO CAS:38460-95-6 MolWeight:202 RetIndex:1417  
CompName:10-Undecenyl chloride \$\$ Undecylenyl chloride \$\$ 10-Undecenyl chloride \$\$ .omega.-Undecylenic acid chloride \$\$



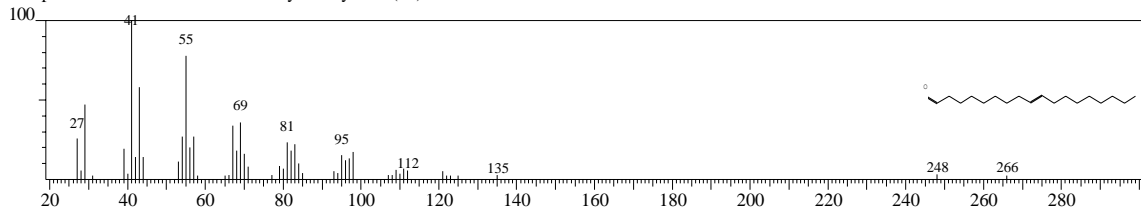
Hit#:3 Entry:23719 Library:NIST05.LIB  
SI:80 Formula:C11H20O CAS:112-45-8 MolWeight:168 RetIndex:1293  
CompName:10-Undecenal \$\$ Undecylenic aldehyde \$\$ 10-Undecylenaldehyde \$\$ n-Undecylenic aldehyde \$\$ 10-Undecenyl aldehyde \$\$ Aldehyde C-11, unde



Hit#:4 Entry:80936 Library:NIST05.LIB  
SI:80 Formula:C18H34O CAS:58594-45-9 MolWeight:266 RetIndex:2007  
CompName:13-Octadecenal, (Z)- \$\$ cis-13-Octadecenal \$\$ Z-13-Octadecenal \$\$ (13Z)-13-Octadecenal # \$\$



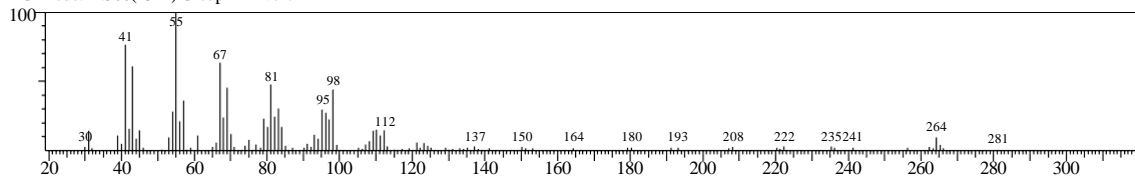
Hit#:5 Entry:80928 Library:NIST05.LIB  
SI:80 Formula:C18H34O CAS:5090-41-5 MolWeight:266 RetIndex:2007  
CompName:9-Octadecenal \$\$ Octadecenyl aldehyde \$\$ (9E)-9-Octadecenal # \$\$





&lt;&lt; Target &gt;&gt;

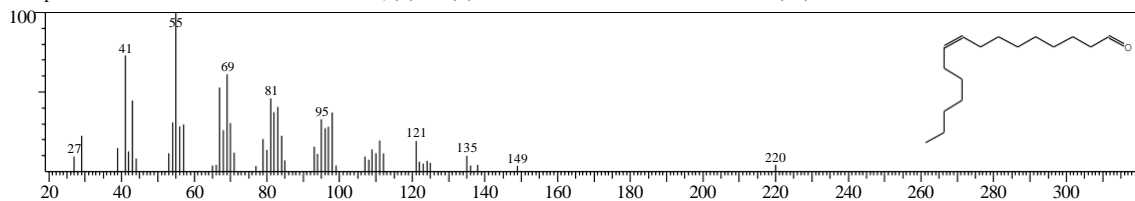
Line#:13 R.Time:22.433(Scan#:2333) MassPeaks:130  
RawMode:Single 22.433(2333) BasePeak:55.00(100957)  
BG Mode:22.500(2341) Group 1 - Event 1



Hit#:1 Entry:20037 Library:NIST05s.LIB

SI:89 Formula:C16H30O CAS:56219-04-6 MolWeight:238 RetIndex:1808

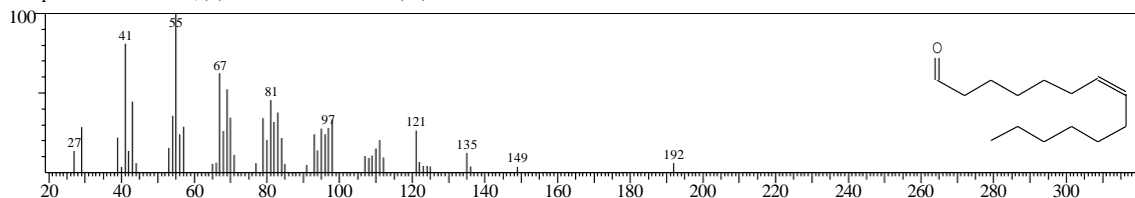
CompName:cis-9-Hexadecenal \$\$ 9-Hexadecenal, (Z)- \$\$ (Z)-9-Hexadecenal \$\$ Z-9-Hexadecenal \$\$ (9Z)-9-Hexadecenal # \$\$



Hit#:2 Entry:47275 Library:NIST05s.LIB

SI:89 Formula:C14H26O CAS:65128-96-3 MolWeight:210 RetIndex:1609

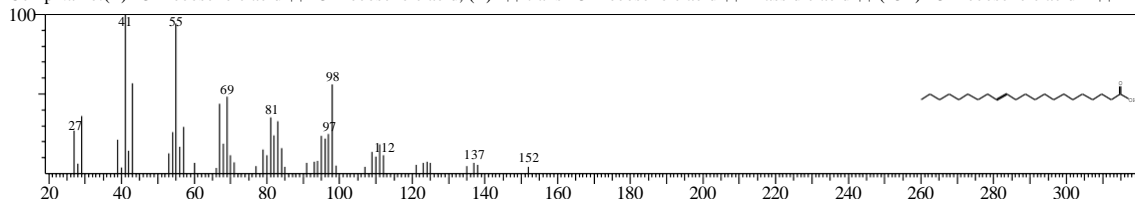
CompName:7-Tetradecenal, (Z)- \$\$ Z-7-Tetradecenal \$\$ (7Z)-7-Tetradecenal # \$\$



Hit#:3 Entry:121688 Library:NIST05s.LIB

SI:88 Formula:C22H42O2 CAS:506-33-2 MolWeight:338 RetIndex:2572

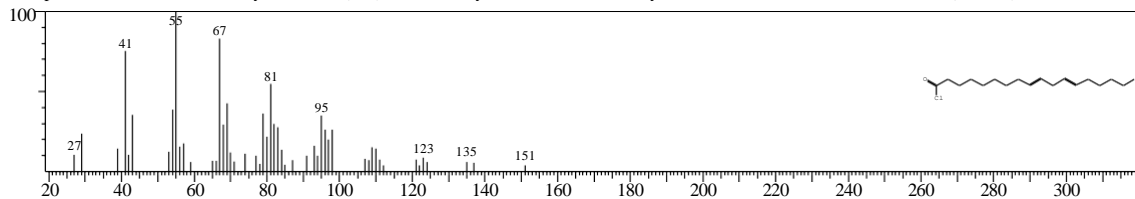
CompName:(E)-13-Docosenoic acid \$\$ 13-Docosenoic acid, (E)- \$\$ trans-13-Docosenoic acid \$\$ Brassidic acid \$\$ (13E)-13-Docosenoic acid # \$\$



Hit#:4 Entry:23649 Library:NIST05s.LIB

SI:88 Formula:C18H31ClO CAS:7459-33-8 MolWeight:298 RetIndex:2139

CompName:9,12-Octadecadienyl chloride, (Z,Z)- \$\$ Linoleoyl chloride \$\$ Lineoleyl chloride \$\$ Linoleic acid chloride \$\$ (9E,12E)-9,12-Octadecadienyl ch



Hit#:5 Entry:31249 Library:NIST05s.LIB

SI:88 Formula:C12H22O CAS:286-99-7 MolWeight:182 RetIndex:1450

CompName:13-Oxabicyclo[10.1.0]tridecane \$\$ Cyclododecane, 1,2-epoxy- \$\$ Cyclododecene epoxide \$\$ Epoxycyclododecane \$\$ Cyclododecane epoxide \$\$

