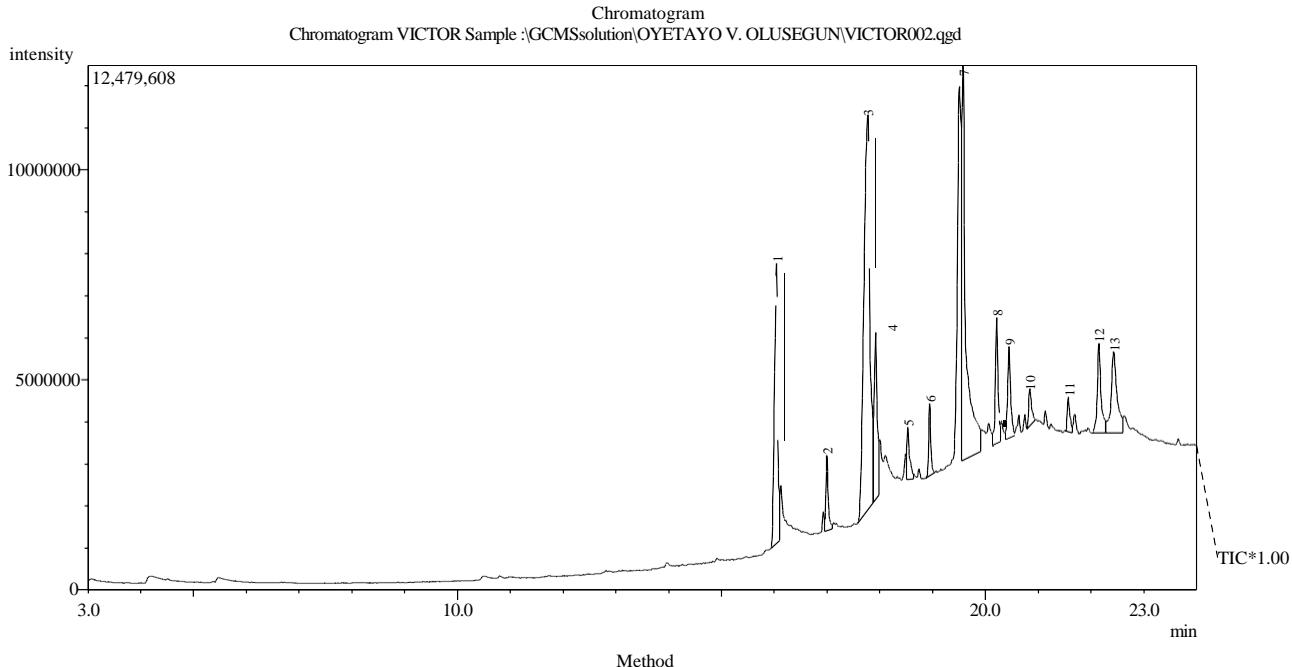


# GCMS ANALYSIS

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
< Ready Check Detector(FTD) >	
< Ready Check Baseline Drift >	
< Ready Check Injection Flow >	
SPL2 Carrier	: Yes
SPL2 Purge	: Yes
< Ready Check APC Flow >	
< Ready Check Detector APC Flow >	
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#	R.Time	I.Time	F.Time	Area	Peak Report TIC			A/H	Mark	Name
					Area%	Height	Height%			
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			

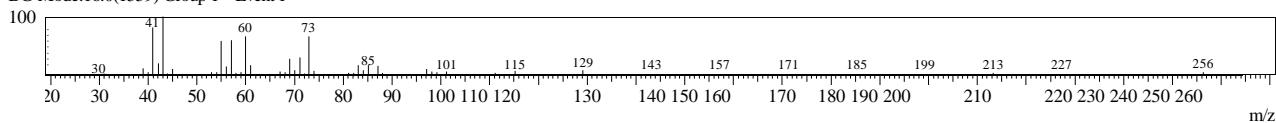
## Spectrum

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



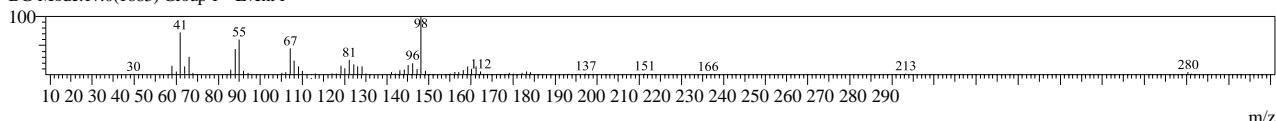
m/z

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



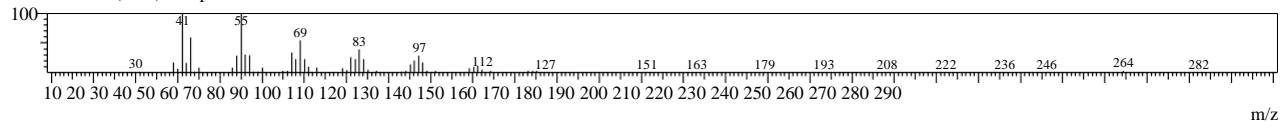
m/z

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

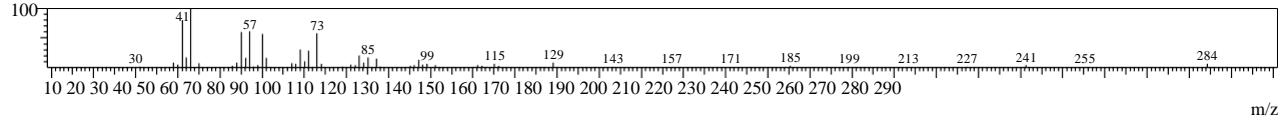


Line#:4 R.Time:17.9(Scan#:1791)

MassPeaks:99

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

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

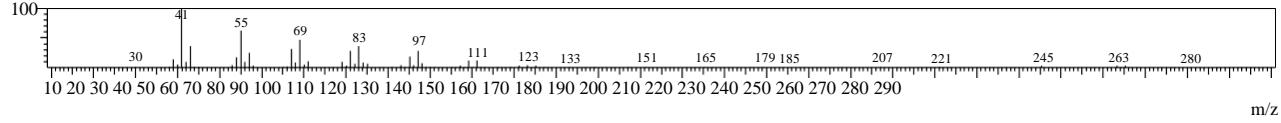


Line#:5 R.Time:18.5(Scan#:1864)

MassPeaks:89

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

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

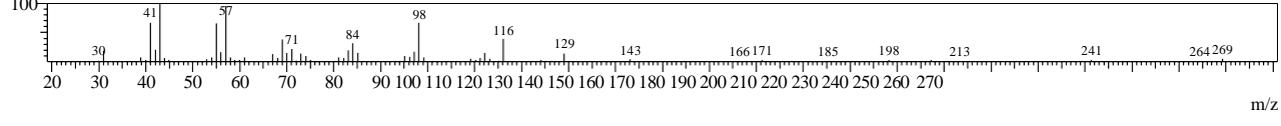


Line#:6 R.Time:18.9(Scan#:1914)

MassPeaks:89

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

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

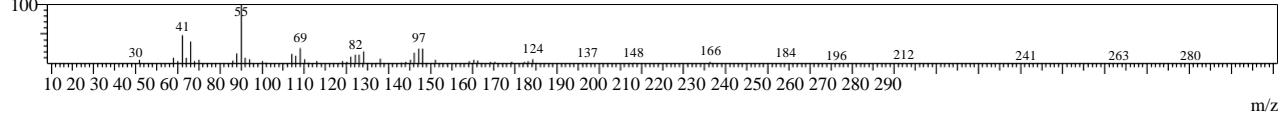


Line#:7 R.Time:19.6(Scan#:1989)

MassPeaks:122

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

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

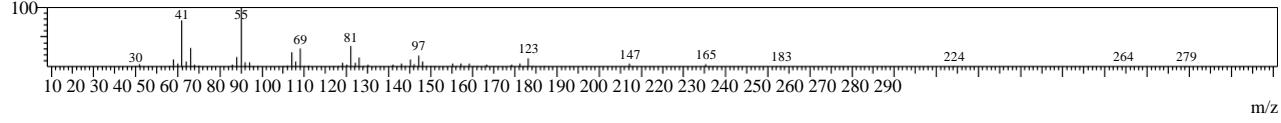


Line#:8 R.Time:20.2(Scan#:2066)

MassPeaks:95

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

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

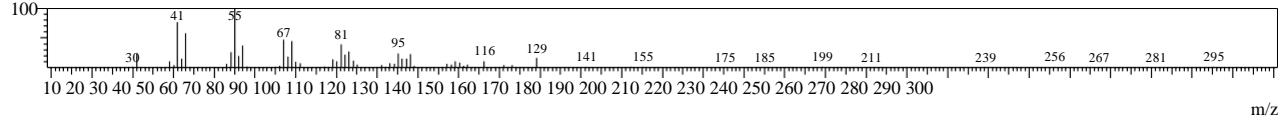


Line#:9 R.Time:20.4(Scan#:2095)

MassPeaks:111

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

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

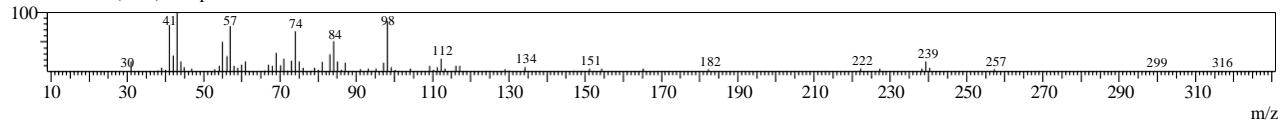


Line#:10 R.Time:20.8(Scan#:2141)

MassPeaks:108

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

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

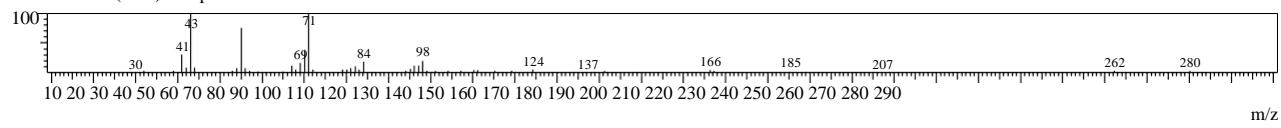


Line#:11 R.Time:21.6(Scan#:2229)

MassPeaks:92

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

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

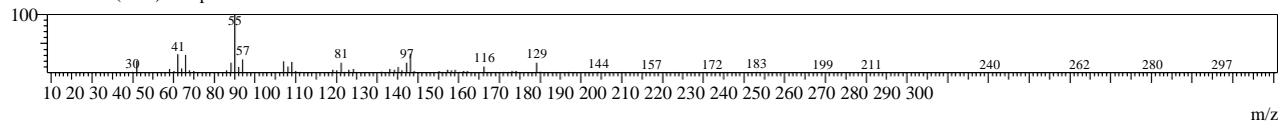


Line#:12 R.Time:22.2(Scan#:2299)

MassPeaks:113

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

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

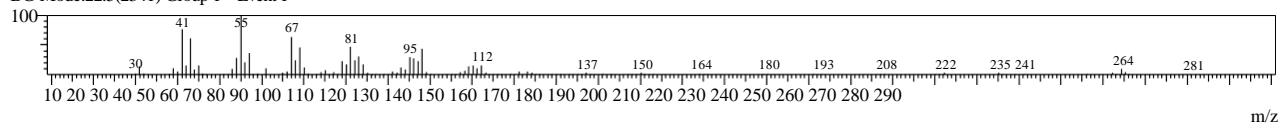


Line#:13 R.Time:22.4(Scan#:2333)

MassPeaks:130

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

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



### Spectrum Comparison

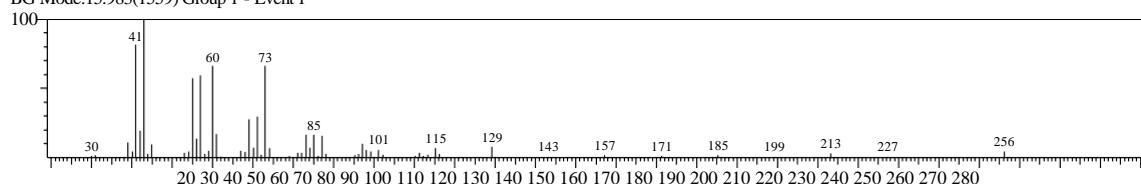
#### Library

<< Target >>

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

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

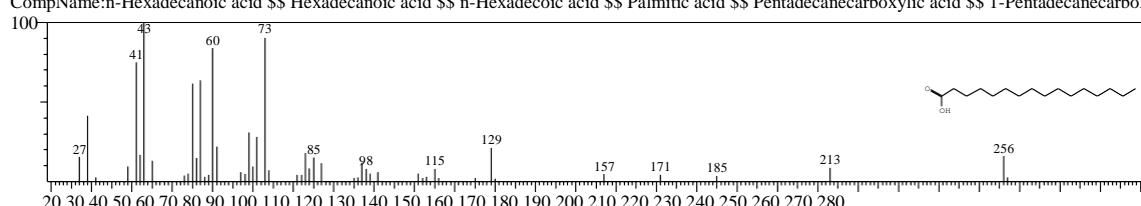
BG Mode:15.983(1559) Group 1 - Event 1



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

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

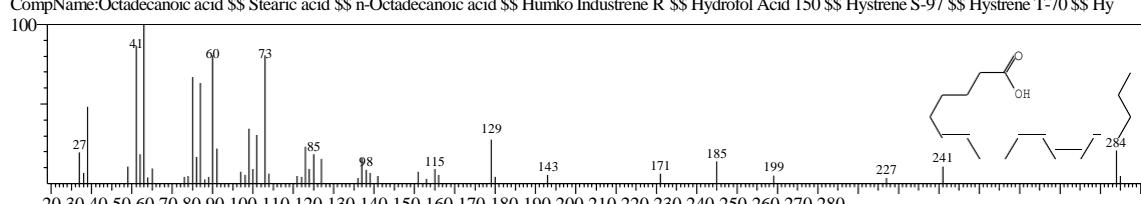
CompName:n-Hexadecanoic acid \$\$ Hexadecanoic acid \$\$ n-Hexadecenoic acid \$\$ Palmitic acid \$\$ Pentadecanecarboxylic acid \$\$ 1-Pentadecanecarboxylic acid



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

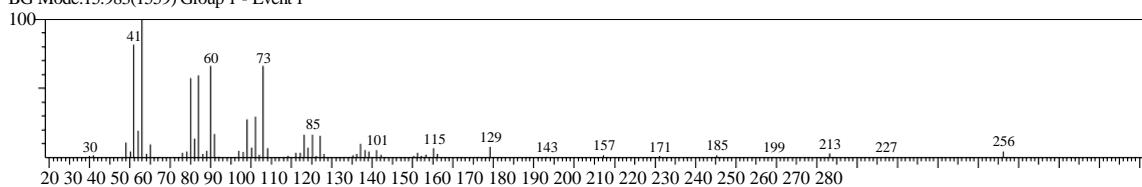
SI:91 Formula:C18H36O2 CAS:57-11-4 MolWeight:284 RetIndex:2167

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



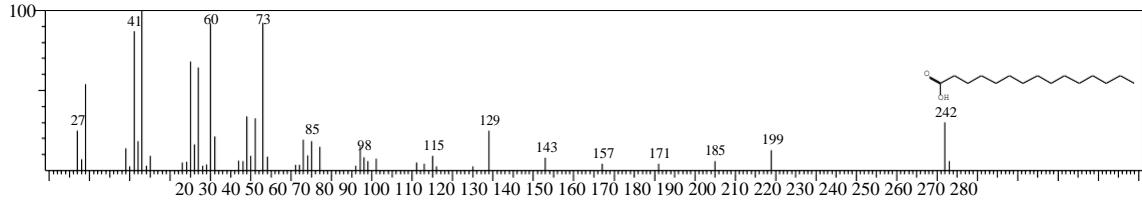
&lt;&lt; Target &gt;&gt;

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



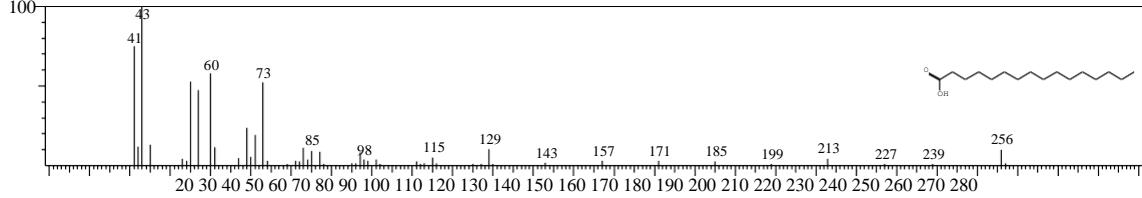
Hit#:3 Entry:66523 Library:NIST05.LIB

SI:90 Formula:C15H30O2 CAS:1002-84-2 MolWeight:242 RetIndex:1869  
 CompName:Pentadecanoic acid \$\$ Pentadecyclic acid \$\$ n-Pentadecanoic acid \$\$ n-Pentadecacyclic acid \$\$



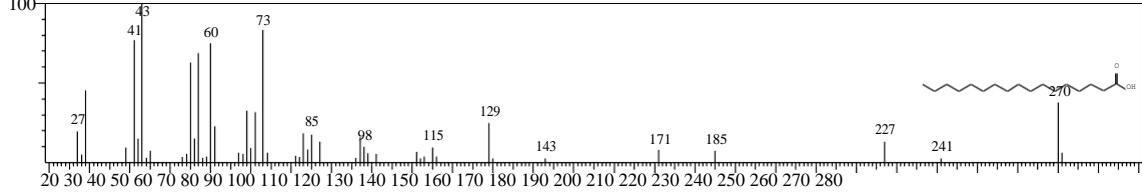
Hit#:4 Entry:21329 Library:NIST05s.LIB

SI:90 Formula:C16H32O2 CAS:57-10-3 MolWeight:256 RetIndex:1968  
 CompName:n-Hexadecanoic acid \$\$ Hexadecanoic acid \$\$ n-Hexadecenoic acid \$\$ Palmitic acid \$\$ Pentadecanecarboxylic acid \$\$ 1-Pentadecanecarboxylic acid



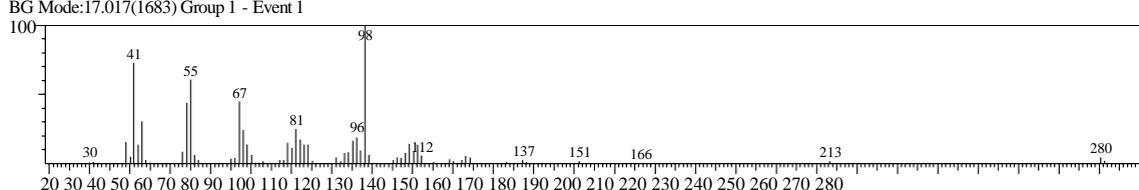
Hit#:5 Entry:22212 Library:NIST05s.LIB

SI:90 Formula:C17H34O2 CAS:506-12-7 MolWeight:270 RetIndex:2067  
 CompName:Heptadecanoic acid \$\$ n-Heptadecanoic acid \$\$ n-Heptadecenoic acid \$\$ Margaric acid \$\$ Margarinic acid \$\$ Normal-heptade-



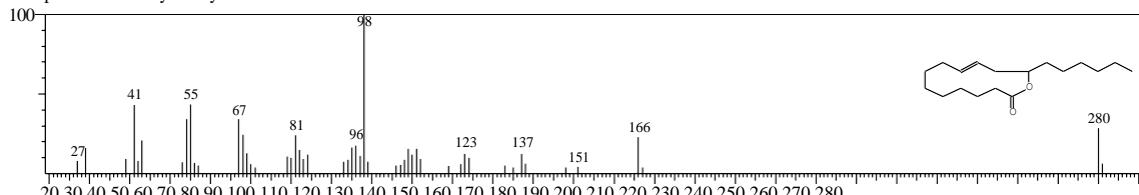
&lt;&lt; Target &gt;&gt;

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



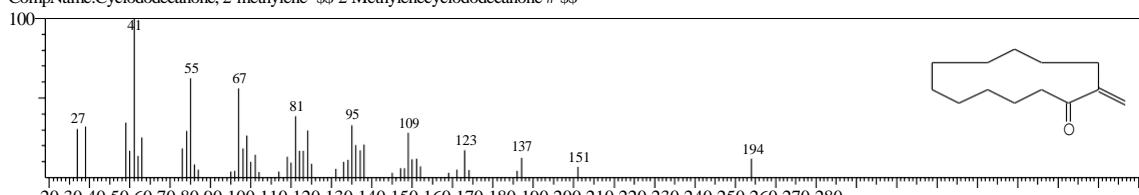
Hit#1 Entry:89303 Library:NIST05.LIB

SI:88 Formula:C18H32O2 CAS:127062-51-5 MolWeight:280 RetIndex:2325  
 CompName:13-Hexyloxacyclotridec-10-en-2-one



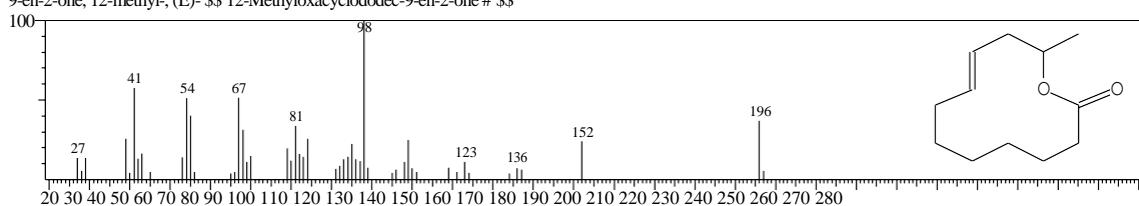
Hit#2 Entry:37792 Library:NIST05.LIB

SI:85 Formula:C13H22O CAS:3045-76-9 MolWeight:194 RetIndex:1677  
 CompName:Cyclododecanone, 2-methylene- \$\$ 2-Methylenecyclododecanone # \$\$



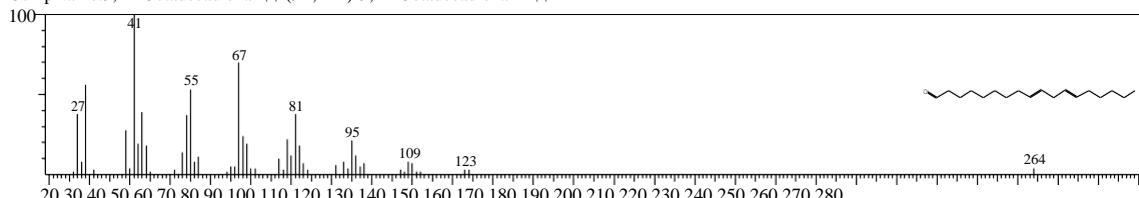
Hit#3 Entry:38937 Library:NIST05.LIB

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 # \$\$



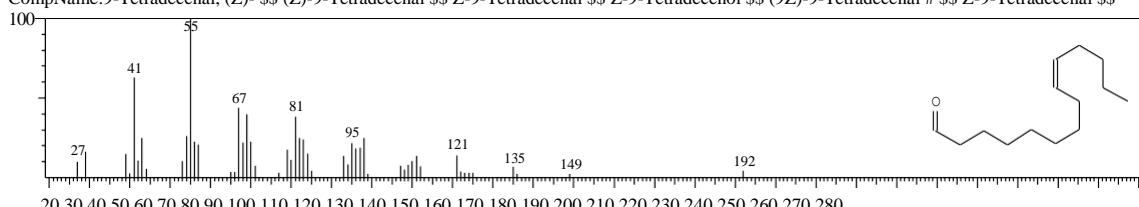
Hit#4 Entry:79743 Library:NIST05.LIB

SI:85 Formula:C18H32O CAS:26537-70-2 MolWeight:264 RetIndex:2015  
 CompName:9,12-Octadecadienal \$\$ (9E,12E)-9,12-Octadecadienal # \$\$



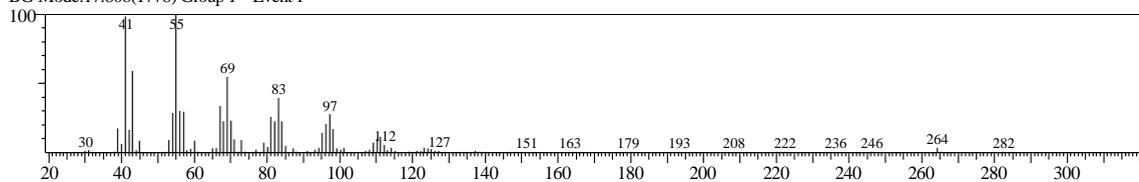
Hit#5 Entry:47276 Library:NIST05.LIB

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 \$\$



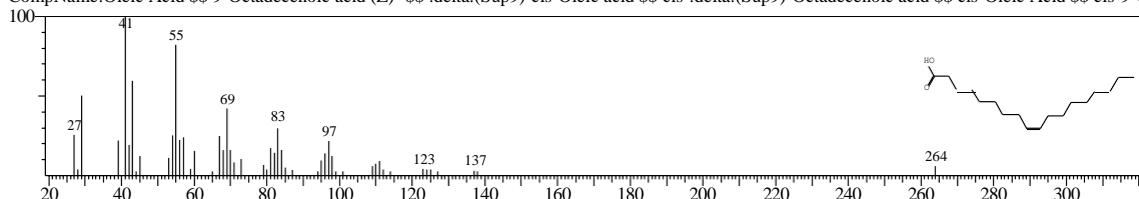
&lt;&lt; Target &gt;&gt;

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



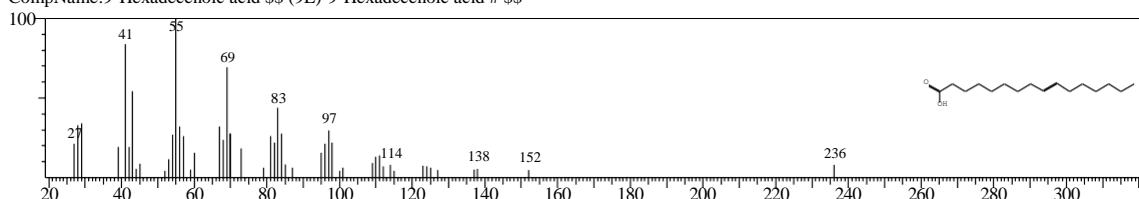
Hit#1 Entry:22869 Library:NIST05s.LIB

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



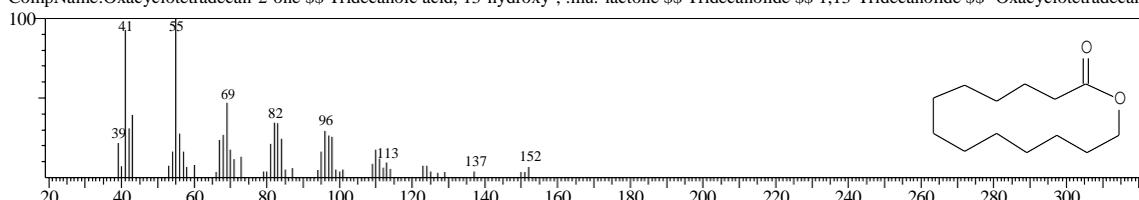
Hit#2 Entry:73685 Library:NIST05.LIB

SI:92 Formula:C16H30O2 CAS:2091-29-4 MolWeight:254 RetIndex:1976  
 CompName:9-Hexadecenoic acid \$\$ (9E)-9-Hexadecenoic acid # \$\$



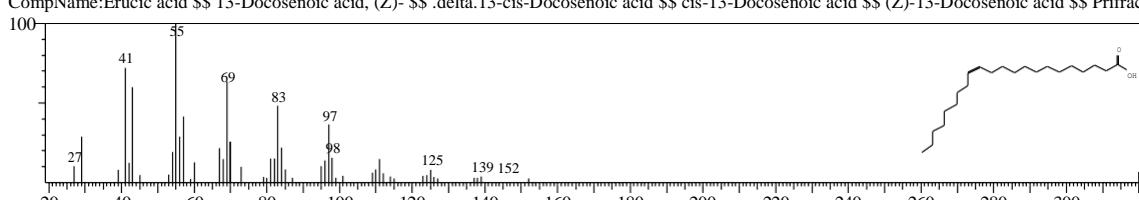
Hit#3 Entry:17628 Library:NIST05s.LIB

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 \$\$



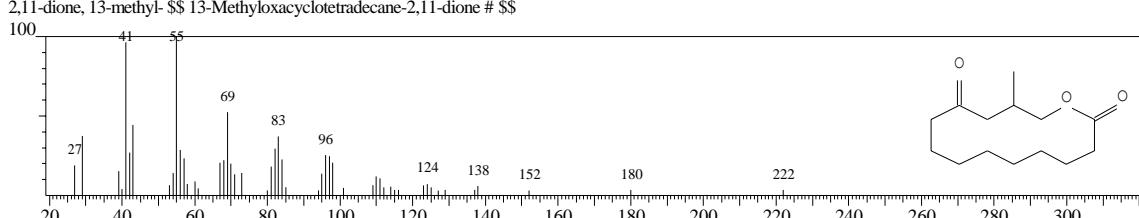
Hit#4 Entry:121691 Library:NIST05.LIB

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 \$\$



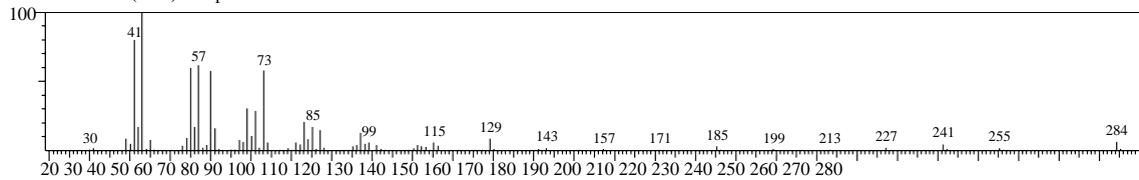
Hit#5 Entry:65143 Library:NIST05.LIB

SI:91 Formula:C14H24O3 CAS:74685-36-2 MolWeight:240 RetIndex:2137 CompName:Oxacyclotetradecane-2,11-dione, 13-methyl- \$\$ 13-Methyloxacyclotetradecane-2,11-dione # \$\$



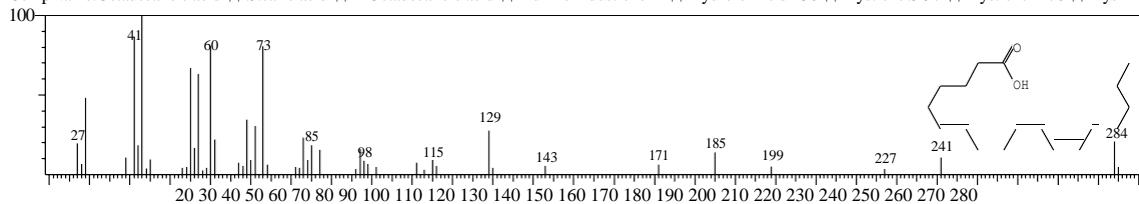
&lt;&lt; Target &gt;&gt;

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



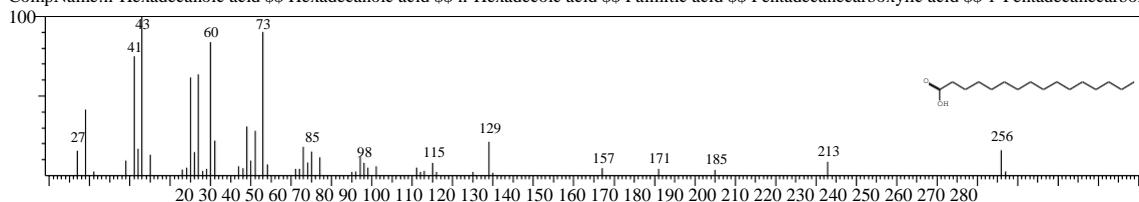
Hit#:1 Entry:22977 Library:NIST05s.LIB

SI:92 Formula:C18H36O2 CAS:57-11-4 MolWeight:284 RetIndex:2167  
 CompName:Octadecanoic acid \$\$ Stearic acid \$\$ n-Octadecanoic acid \$\$ Humko Industrene R \$\$ Hydrofol Acid 150 \$\$ Hystrene S-97 \$\$ Hystrene T-70 \$\$ Hys



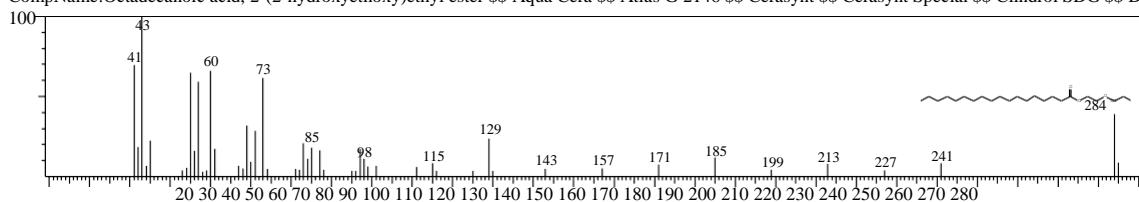
Hit#:2 Entry:74999 Library:NIST05.LIB

SI:92 Formula:C16H32O2 CAS:57-10-3 MolWeight:256 RetIndex:1968  
 CompName:n-Hexadecanoic acid \$\$ Hexadecanoic acid \$\$ n-Hexadecenoic acid \$\$ Palmitic acid \$\$ Pentadecanecarboxylic acid \$\$ 1-Pentadecanecarboxylic acid



Hit#:3 Entry:136237 Library:NIST05.LIB

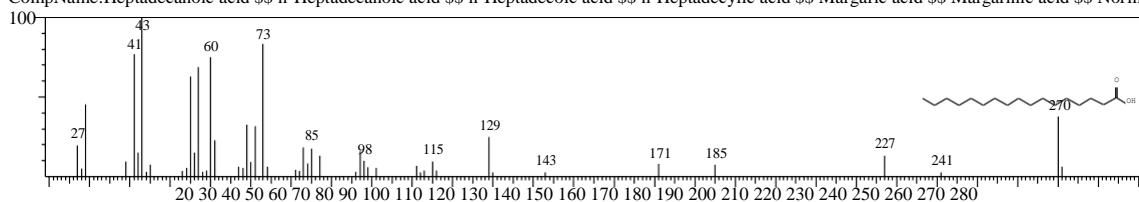
SI:91 Formula:C22H44O4 CAS:106-11-6 MolWeight:372 RetIndex:2694  
 CompName:Octadecanoic acid, 2-(2-hydroxyethoxy)ethyl ester \$\$ Aqua Cera \$\$ Atlas G 2146 \$\$ Cerasynt \$\$ Cerasynt Special \$\$ Clindrol SDG \$\$ Diethylene



Hit#:4 Entry:22212 Library:NIST05s.LIB

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

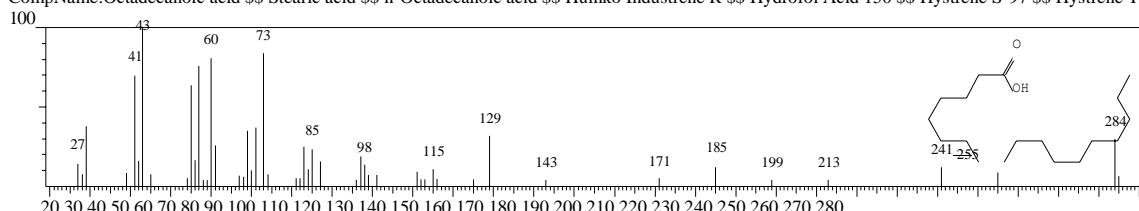
CompName:Heptadecanoic acid \$\$ n-Heptadecanoic acid \$\$ n-Heptadecenoic acid \$\$ n-Heptadecyclic acid \$\$ Margaric acid \$\$ Margarinic acid \$\$ Normal-heptade



Hit#:5 Entry:91895 Library:NIST05.LIB

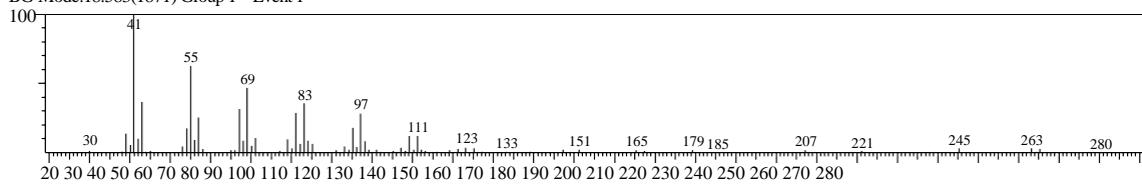
SI:90 Formula:C18H36O2 CAS:57-11-4 MolWeight:284 RetIndex:2167

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



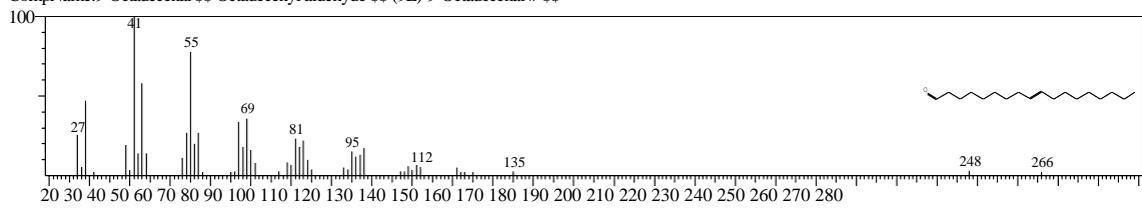
&lt;&lt; Target &gt;&gt;

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



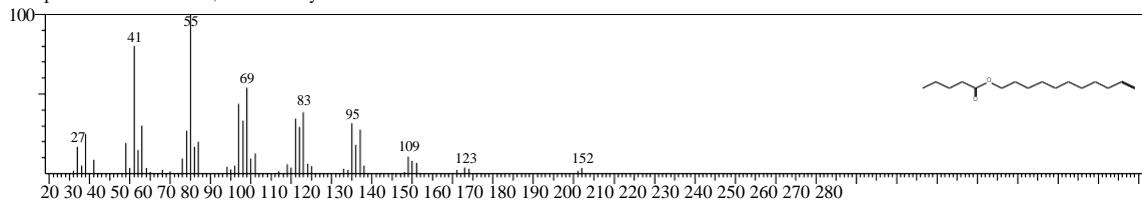
Hit#:1 Entry:80928 Library:NIST05.LIB

SI:88 Formula:C18H34O CAS:5090-41-5 MolWeight:266 RetIndex:2007  
 CompName:9-Octadecenal \$\$ Octadecenyl aldehyde \$\$ (9E)-9-Octadecenal # \$\$



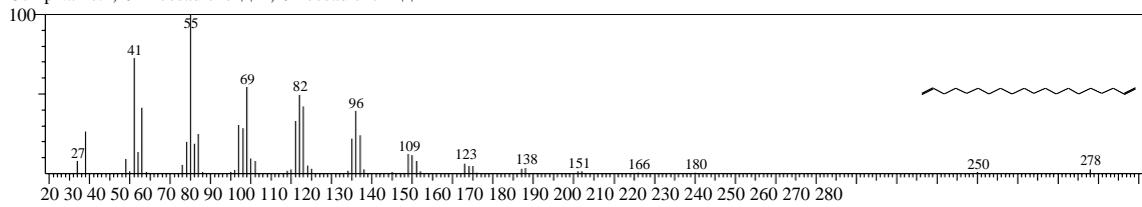
Hit#:2 Entry:73684 Library:NIST05.LIB

SI:87 Formula:C16H30O2 CAS:0-00-0 MolWeight:254 RetIndex:1769  
 CompName:Pentanoic acid, 10-undecenyl ester



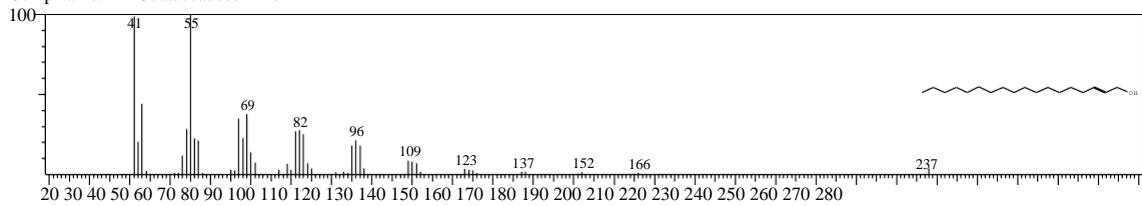
Hit#:3 Entry:22677 Library:NIST05s.LIB

SI:86 Formula:C20H38 CAS:14811-95-1 MolWeight:278 RetIndex:1989  
 CompName:1,19-Eicosadiene \$\$ 1,19-Icosadiene # \$\$



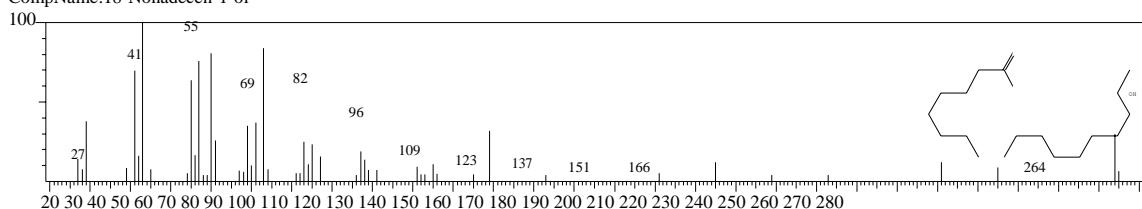
Hit#:4 Entry:82261 Library:NIST05.LIB

SI:86 Formula:C18H36O CAS:0-00-0 MolWeight:268 RetIndex:2061  
 CompName:E-2-Octadecadecen-1-ol



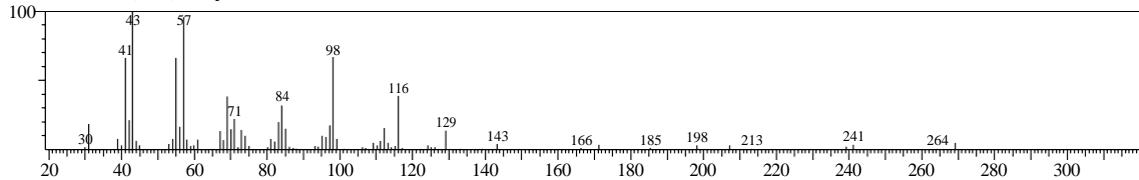
Hit#:5 Entry:90655 Library:NIST05.LIB

SI:85 Formula:C19H38O CAS:0-00-0 MolWeight:282 RetIndex:2143  
 CompName:18-Nonadecen-1-ol



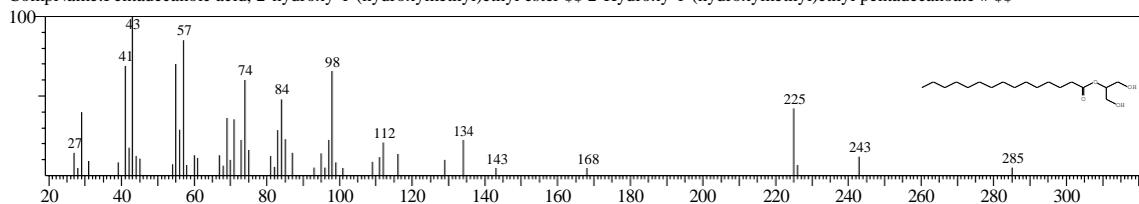
&lt;&lt; Target &gt;&gt;

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



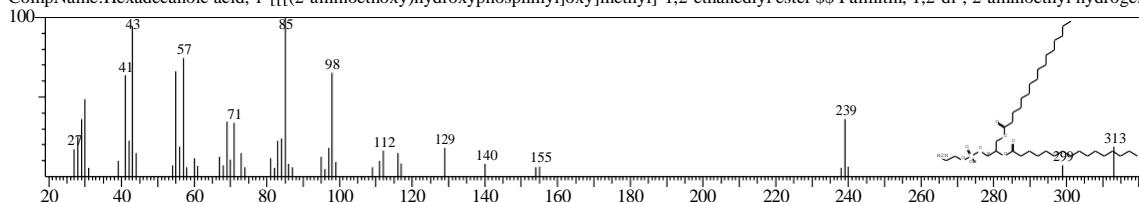
Hit#1 Entry:110136 Library:NIST05.LIB

SI:85 Formula:C18H36O4 CAS:98863-01-5 MolWeight:316 RetIndex:2399  
 CompName:Pentadecanoic acid, 2-hydroxy-1-(hydroxymethyl)ethyl ester \$\$ 2-Hydroxy-1-(hydroxymethyl)ethyl pentadecanoate # \$\$



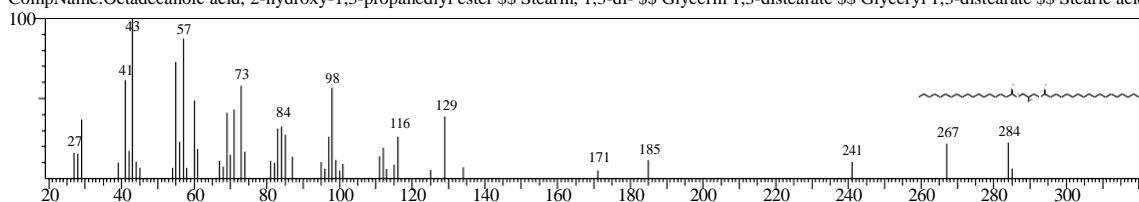
Hit#2 Entry:162295 Library:NIST05.LIB

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 phospha



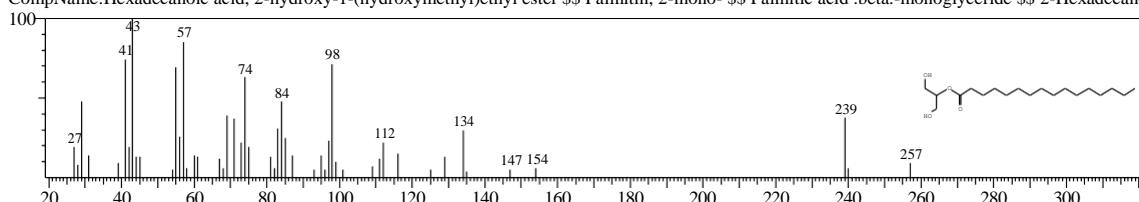
Hit#3 Entry:27524 Library:NIST05s.LIB

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



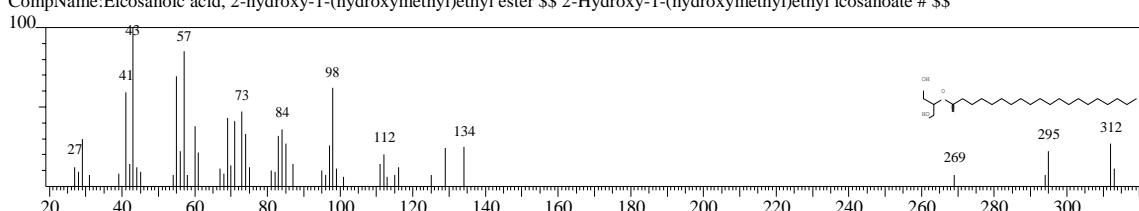
Hit#4 Entry:117519 Library:NIST05.LIB

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



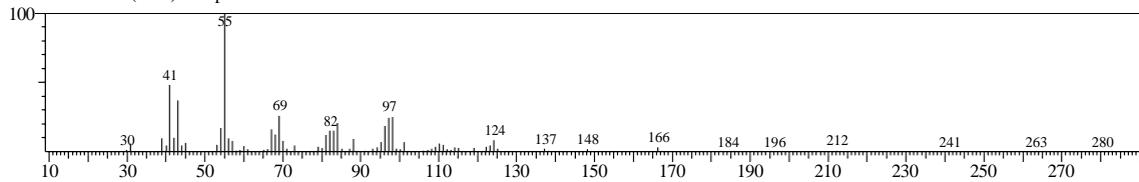
Hit#5 Entry:140926 Library:NIST05.LIB

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 eicosanoate # \$\$



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

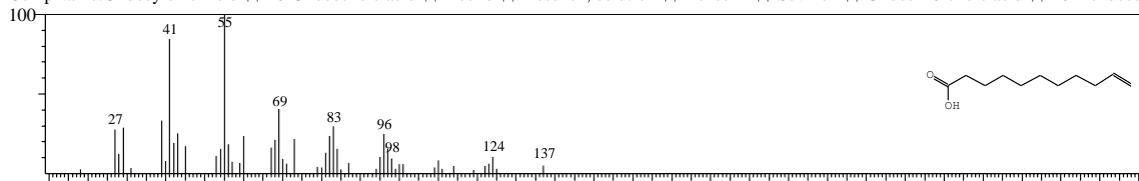
Line#:7 R.Time:19.567(Scan#:1989) MassPeaks:122  
 RawMode:Single 19.567(1989) BasePeak:55.00(1163961)  
 BG Mode:19.658(2000) Group 1 - Event 1



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

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

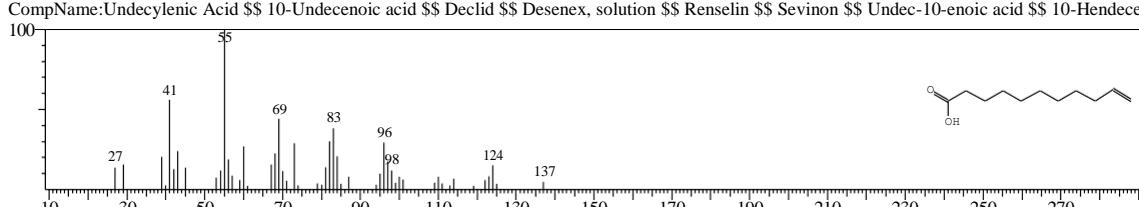
CompName:Undecylenic Acid \$\$ 10-Undecenoic acid \$\$ Declid \$\$ Desenex, solution \$\$ Renselin \$\$ Sevinon \$\$ Undec-10-enoic acid \$\$ 10-Hendecenoic acid



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

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

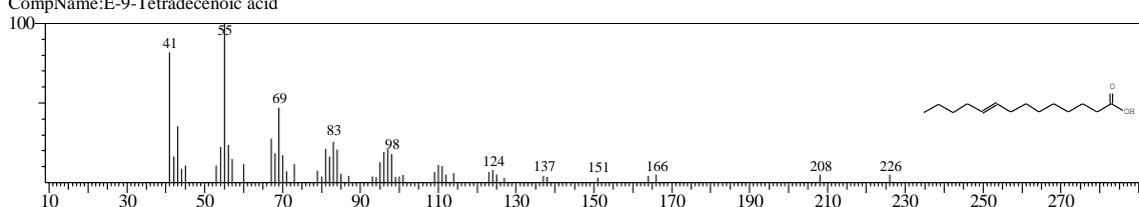
CompName:Undecylenic Acid \$\$ 10-Undecenoic acid \$\$ Declid \$\$ Desenex, solution \$\$ Renselin \$\$ Sevinon \$\$ Undec-10-enoic acid \$\$ 10-Hendecenoic acid



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

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

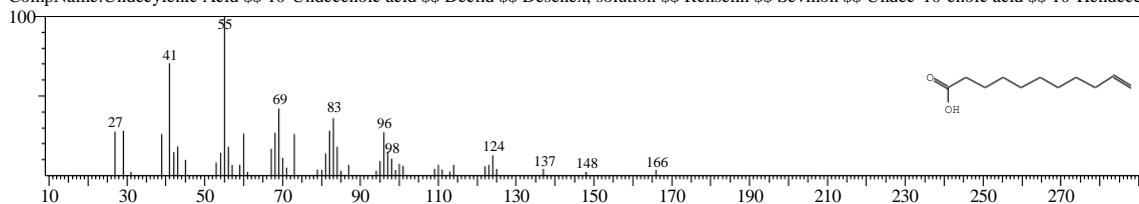
CompName:E-9-Tetradecenoic acid



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

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

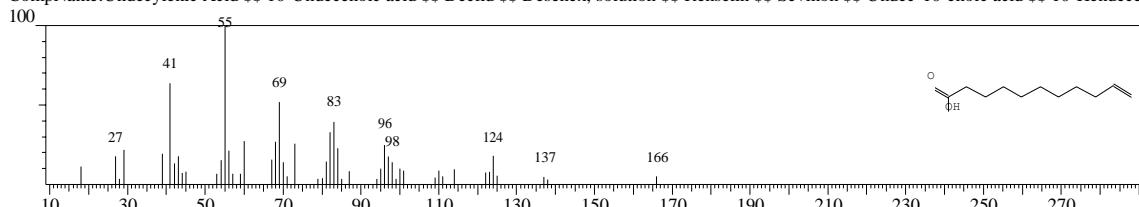
CompName:Undecylenic Acid \$\$ 10-Undecenoic acid \$\$ Declid \$\$ Desenex, solution \$\$ Renselin \$\$ Sevinon \$\$ Undec-10-enoic acid \$\$ 10-Hendecenoic acid



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 \$\$ Sevinon \$\$ Undec-10-enoic acid \$\$ 10-Hendecenoic acid

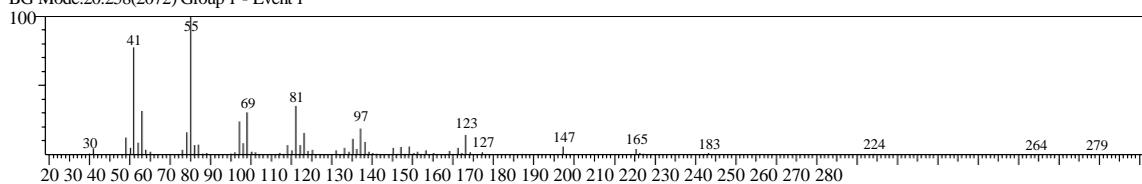


&lt;&lt; Target &gt;&gt;

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

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

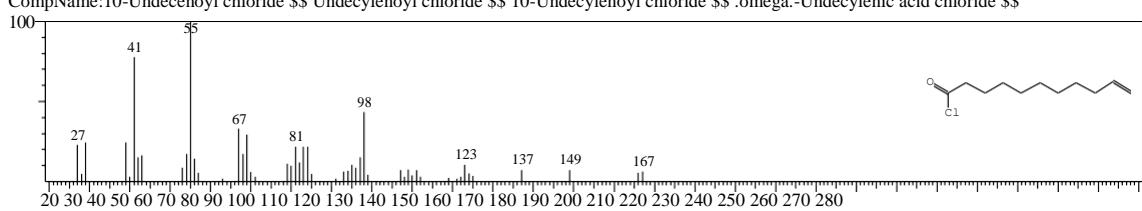
BG Mode:20.258(2072) Group 1 - Event 1



Hit#1 Entry:42044 Library:NIST05.LIB

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

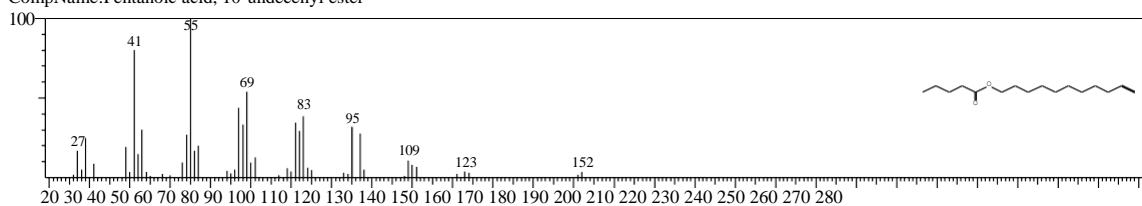
CompName:10-Undecenoyl chloride \$\$ Undecylenoyl chloride \$\$ 10-Undecenoyl chloride \$\$ .omega.-Undecylenic acid chloride \$\$



Hit#2 Entry:73684 Library:NIST05.LIB

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

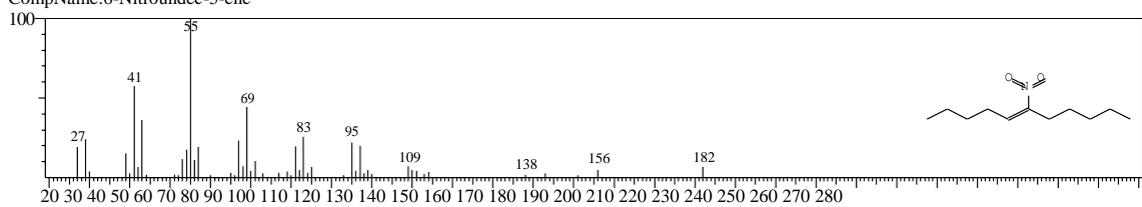
CompName:Pentanoic acid, 10-undecenyl ester



Hit#3 Entry:40499 Library:NIST05.LIB

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

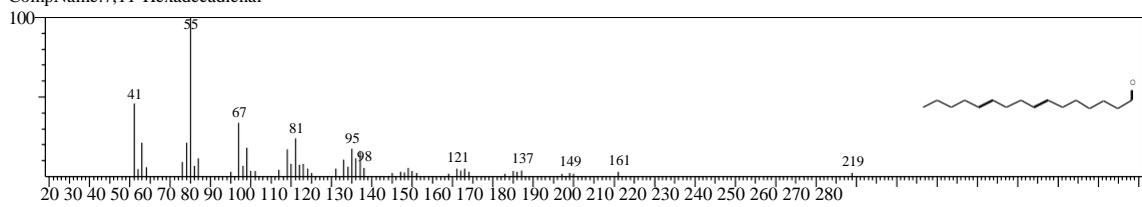
CompName:6-Nitroundec-5-ene



Hit#4 Entry:62876 Library:NIST05.LIB

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

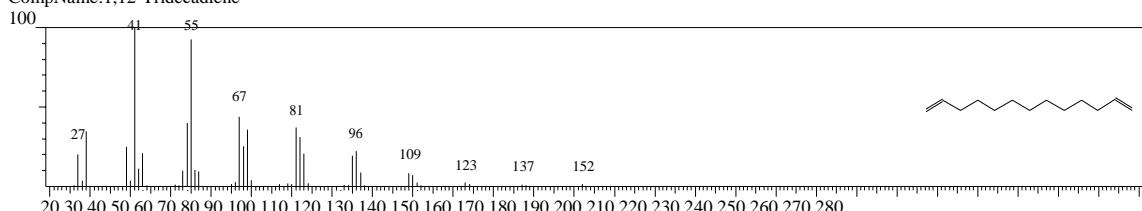
CompName:7,11-Hexadecadienal



Hit#5 Entry:13485 Library:NIST05s.LIB

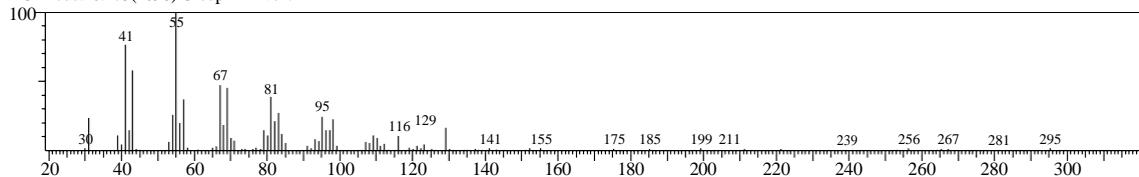
SI:84 Formula:C13H24 CAS:21964-48-7 MolWeight:180 RetIndex:1294

CompName:1,12-Tridecadiene



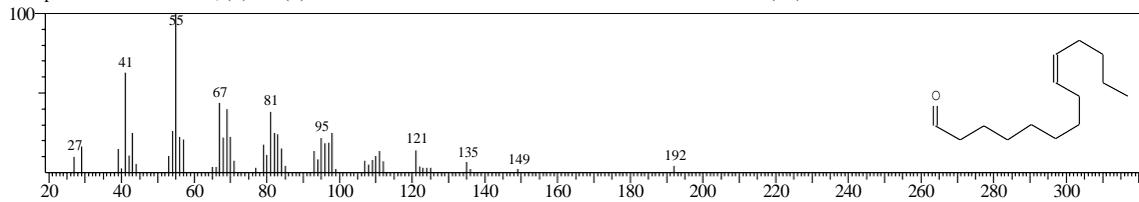
&lt;&lt; Target &gt;&gt;

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



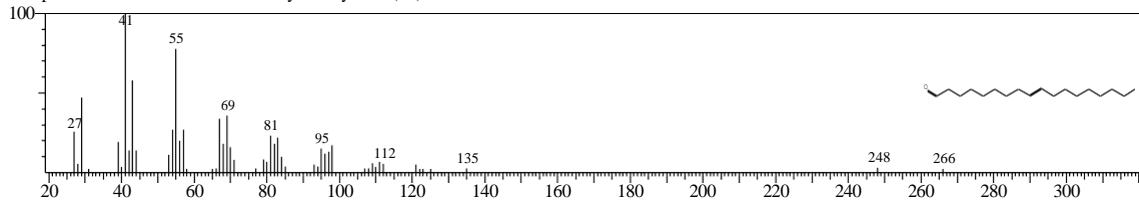
Hit#1 Entry:47276 Library:NIST05.LIB

SI:89 Formula:C14H26O CAS:53939-27-8 MolWeight:210 RetIndex:1609  
 CompName:9-Tetradecenal, (Z)- \$ (Z)-9-Tetradecenal \$\$ Z-9-Tetradecenal \$\$ Z-9-Tetradecenol \$\$ (9Z)-9-Tetradecenal # \$\$ Z-9-Tetradecenal \$\$



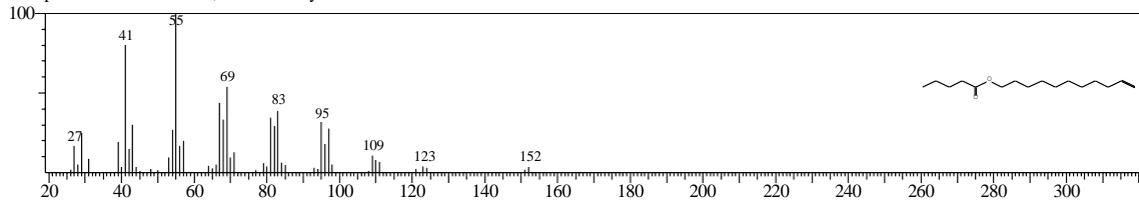
Hit#2 Entry:80928 Library:NIST05.LIB

SI:88 Formula:C18H34O CAS:5090-41-5 MolWeight:266 RetIndex:2007  
 CompName:9-Octadecenal \$\$ Octadecenyl aldehyde \$\$ (9E)-9-Octadecenal # \$\$



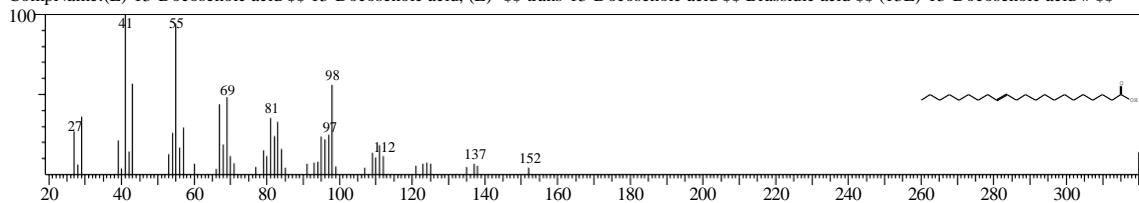
Hit#3 Entry:73684 Library:NIST05.LIB

SI:88 Formula:C16H30O2 CAS:0-00-0 MolWeight:254 RetIndex:1769  
 CompName:Pentanoic acid, 10-undecenyl ester



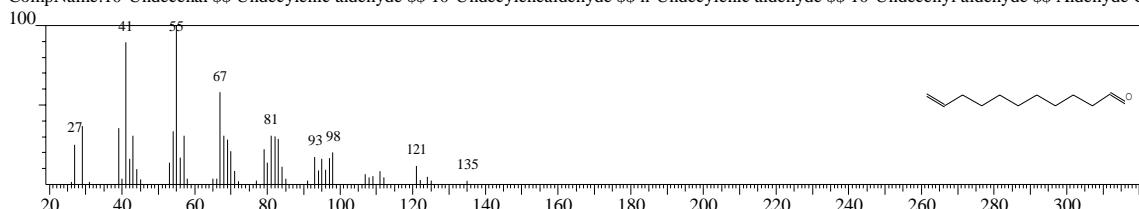
Hit#4 Entry:121688 Library:NIST05.LIB

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 # \$\$



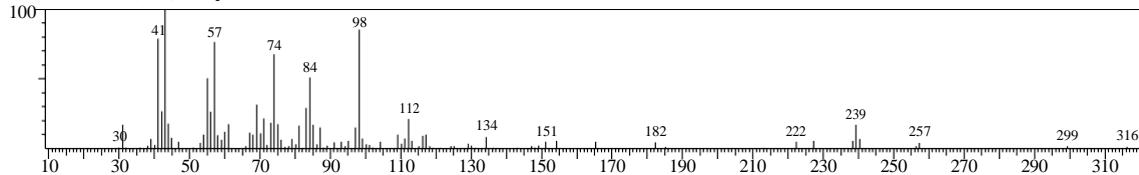
Hit#5 Entry:11659 Library:NIST05s.LIB

SI:88 Formula:C11H20O CAS:112-45-8 MolWeight:168 RetIndex:1293  
 CompName:10-Undecenyl aldehyde \$\$ Undecylenic aldehyde \$\$ 10-Undecylenaldehyde \$\$ n-Undecylenic aldehyde \$\$ 10-Undecenyl aldehyde \$\$ Aldehyde C-11, unde



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

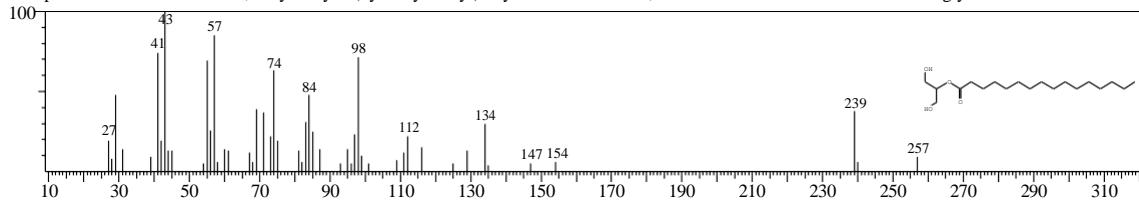
Line#10 R.Time:20.833(Scan#:2141) MassPeaks:108  
 RawMode:Single 20.833(2141) BasePeak:43.00(42220)  
 BG Mode:20.883(2147) Group 1 - Event 1



Hit#1 Entry:117519 Library:NIST05.LIB

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

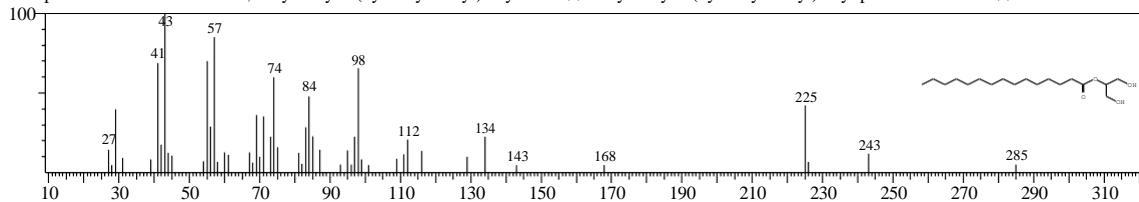
CompName:Hexadecanoic acid, 2-hydroxy-1-(hydroxymethyl)ethyl ester \$\$ Palmitin, 2-mono- \$\$ Palmitic acid .beta.-monoglyceride \$\$ 2-Hexadecanoyl glycer



Hit#2 Entry:110136 Library:NIST05.LIB

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

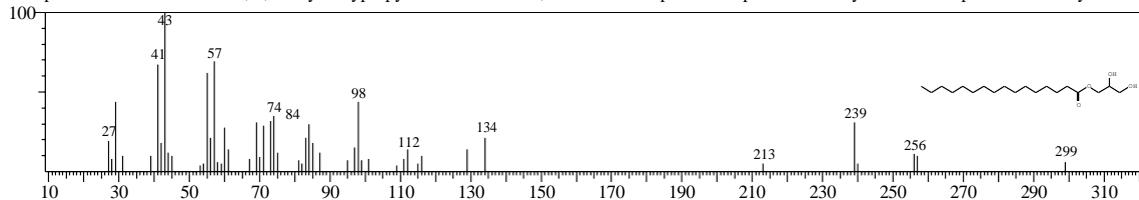
CompName:Pentadecanoic acid, 2-hydroxy-1-(hydroxymethyl)ethyl ester \$\$ 2-Hydroxy-1-(hydroxymethyl)ethyl pentadecanoate # \$\$



Hit#3 Entry:117520 Library:NIST05.LIB

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

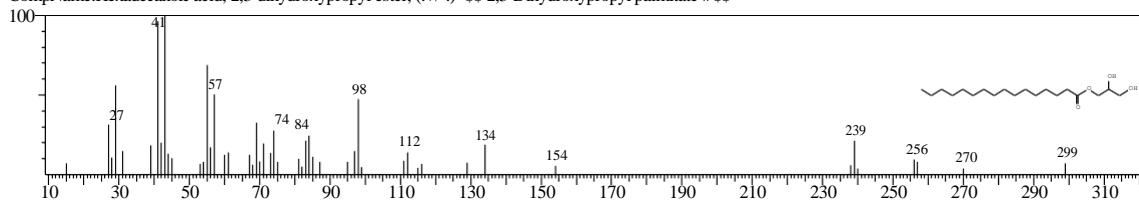
CompName:Hexadecanoic acid, 2,3-dihydroxypropyl ester \$\$ Palmitin, 1-mono- \$\$ .alpha.-Monopalmitin \$\$ Glycerol 1-monopalmitate \$\$ Glycerol 1-palmitate



Hit#4 Entry:117518 Library:NIST05.LIB

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

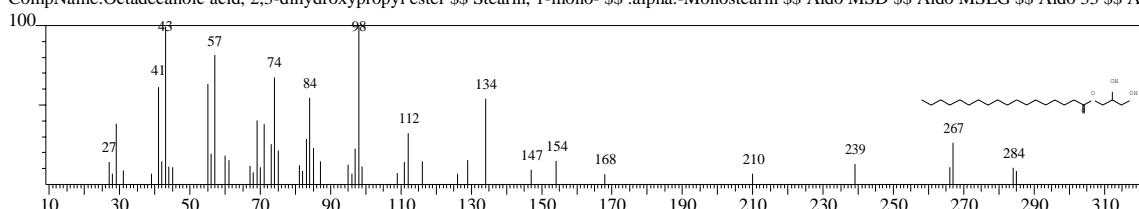
CompName:Hexadecanoic acid, 2,3-dihydroxypropyl ester, (+/-) \$\$ 2,3-Dihydroxypropyl palmitate # \$\$



Hit#5 Entry:130614 Library:NIST05.LIB

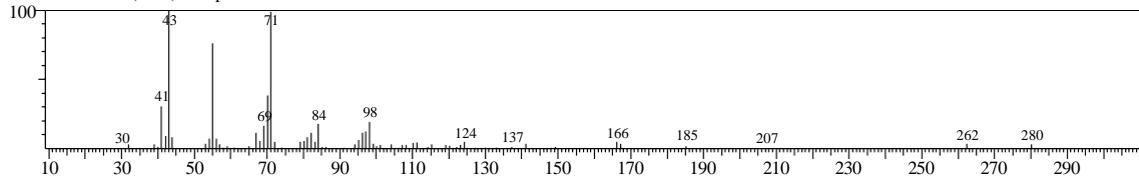
SI:85 Formula:C21H42O4 CAS:123-94-4 MolWeight:358 RetIndex:2681

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



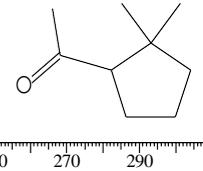
&lt;&lt; Target &gt;&gt;

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



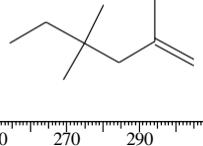
Hit#1 Entry:10977 Library:NIST05.LIB

SI:86 Formula:C9H16O CAS:3664-75-3 MolWeight:140 RetIndex:1031  
 CompName:Ethanone, 1-(2,2-dimethylcyclopentyl)- \$\$ Ketone, 2,2-dimethylcyclopentyl methyl \$\$ 1-(2,2-Dimethylcyclopentyl)ethanone # \$\$



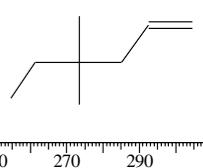
Hit#2 Entry:4638 Library:NIST05s.LIB

SI:82 Formula:C9H18 CAS:51174-12-0 MolWeight:126 RetIndex:799  
 CompName:2,4,4-Trimethyl-1-hexene



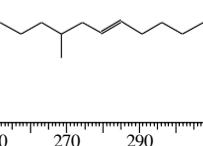
Hit#3 Entry:3571 Library:NIST05.LIB

SI:82 Formula:C8H16 CAS:1647-08-1 MolWeight:112 RetIndex:722  
 CompName:4,4-Dimethyl-1-hexene \$\$ 1-Hexene, 4,4-dimethyl- \$\$



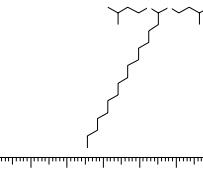
Hit#4 Entry:23806 Library:NIST05.LIB

SI:82 Formula:C12H24 CAS:39546-85-5 MolWeight:168 RetIndex:1158  
 CompName:5-Undecene, 8-methyl-, (E)- \$\$ (5E)-8-Methyl-5-undecene # \$\$



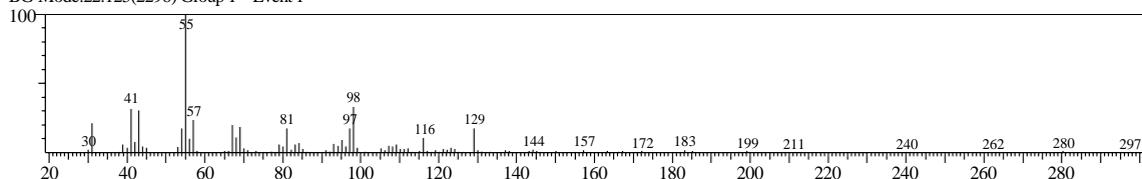
Hit#5 Entry:144315 Library:NIST05.LIB

SI:82 Formula:C26H54O2 CAS:18302-71-1 MolWeight:398 RetIndex:2565  
 CompName:Palmitaldehyde, diisopentyl acetal \$\$ Hexadecanal diisopentyl acetal \$\$ 1,1-Bis(isopentyloxy)hexadecane # \$\$



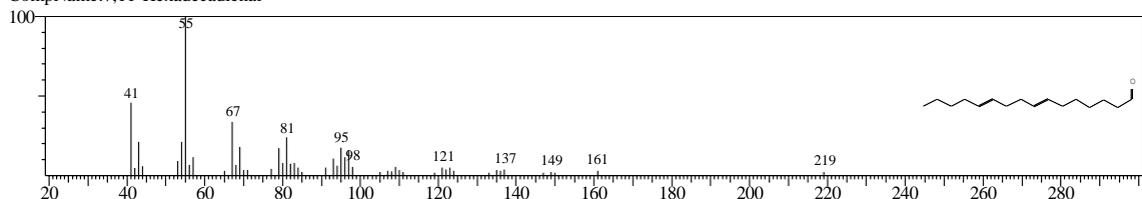
&lt;&lt;Target &gt;&gt;

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



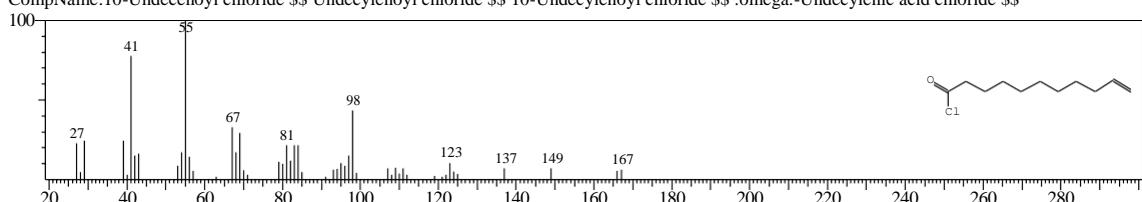
Hit#1 Entry:62876 Library:NIST05.LIB

SI:81 Formula:C16H28O CAS:0-00-0 MolWeight:236 RetIndex:1816  
 CompName:7,11-Hexadecadienol



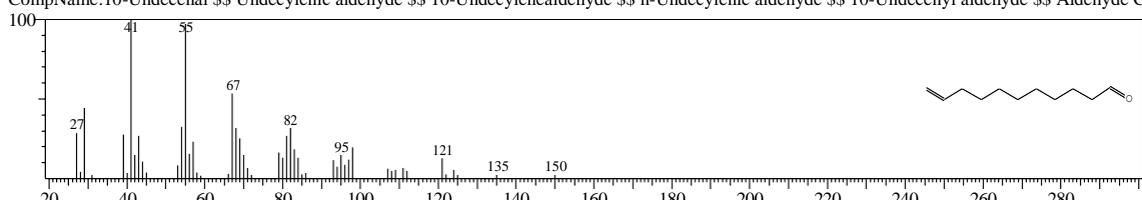
Hit#2 Entry:42044 Library:NIST05.LIB

SI:81 Formula:C11H19ClO CAS:38460-95-6 MolWeight:202 RetIndex:1417  
 CompName:10-Undecenoyl chloride \$\$ Undecylenoyl chloride \$\$ 10-Undecylenoyl chloride \$\$ .omega.-Undecylenic acid chloride \$\$



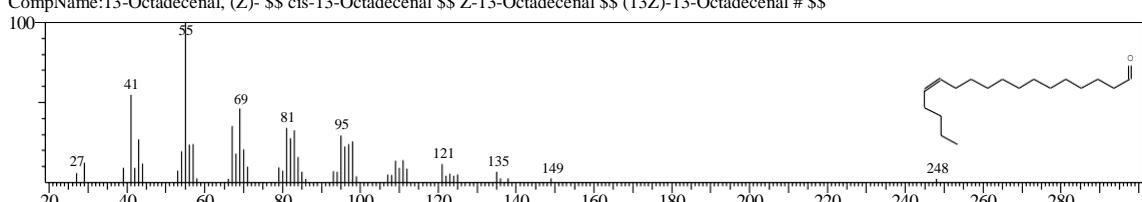
Hit#3 Entry:23719 Library:NIST05.LIB

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



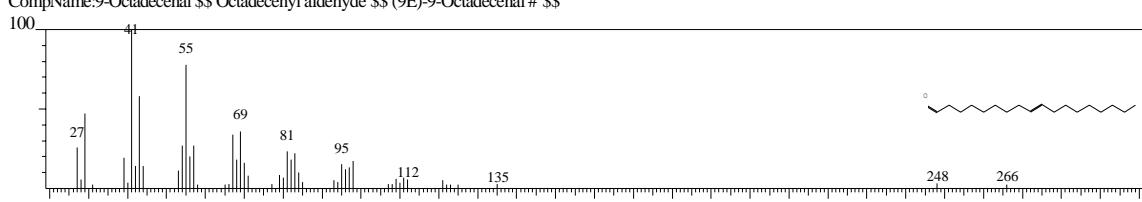
Hit#4 Entry:80936 Library:NIST05.LIB

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 # \$\$

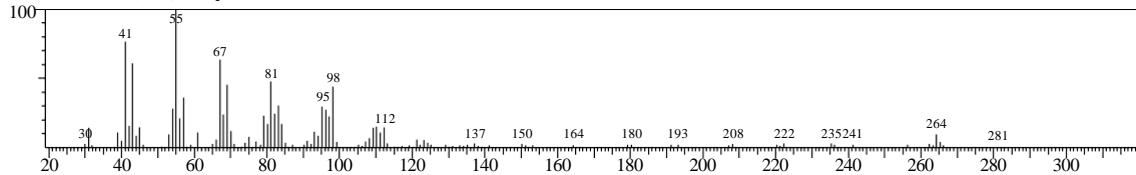


&lt;&lt; Target &gt;&gt;

Line#:13 R.Time:22.433(Scan#:2333) MassPeaks:130

RawMode:Single 22.433(2333) BasePeak:55.00(100957)

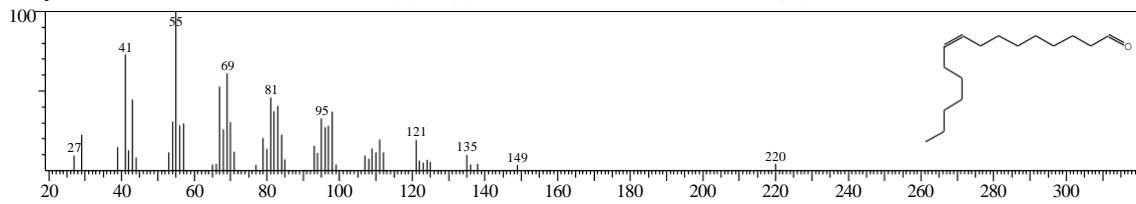
BG Mode:22.500(2341) Group 1 - Event 1



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

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

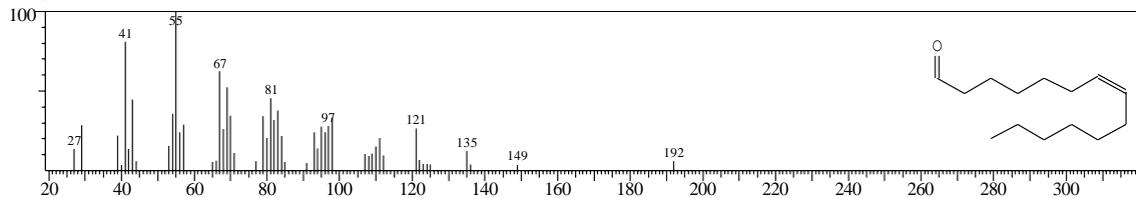
CompName:cis-9-Hexadecenal \$\$ 9-Hexadecenal, (Z)- \$\$ (Z)-9-Hexadecenal \$\$ Z-9-Hexadecenal \$\$ (9Z)-9-Hexadecenal # \$\$



Hit#:2 Entry:47275 Library:NIST05.LIB

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

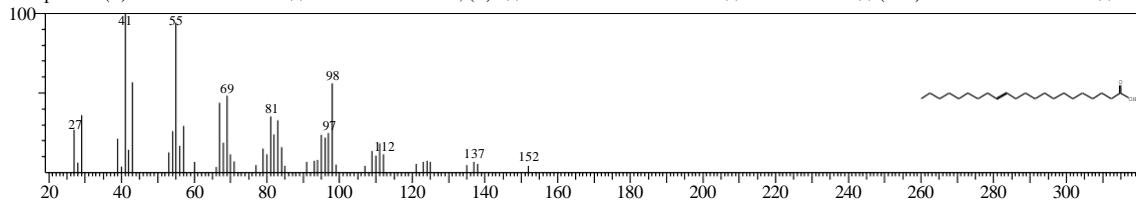
CompName:7-Tetradecenal, (Z)- \$\$ Z-7-Tetradecenal \$\$ (7Z)-7-Tetradecenal # \$\$



Hit#:3 Entry:121688 Library:NIST05.LIB

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

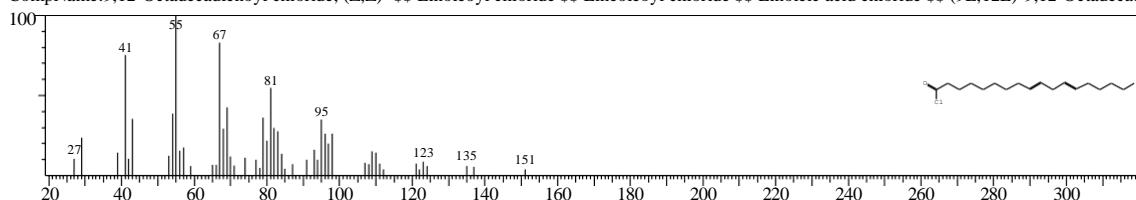
CompName:(E)-13-Docosenoic acid \$\$ 13-Docosenoic acid, (E)- \$\$ trans-13-Docosenoic acid \$\$ Brassidic acid \$\$ (13E)-13-Docosenoic acid # \$\$



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

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

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



Hit#:5 Entry:31249 Library:NIST05.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 \$\$

