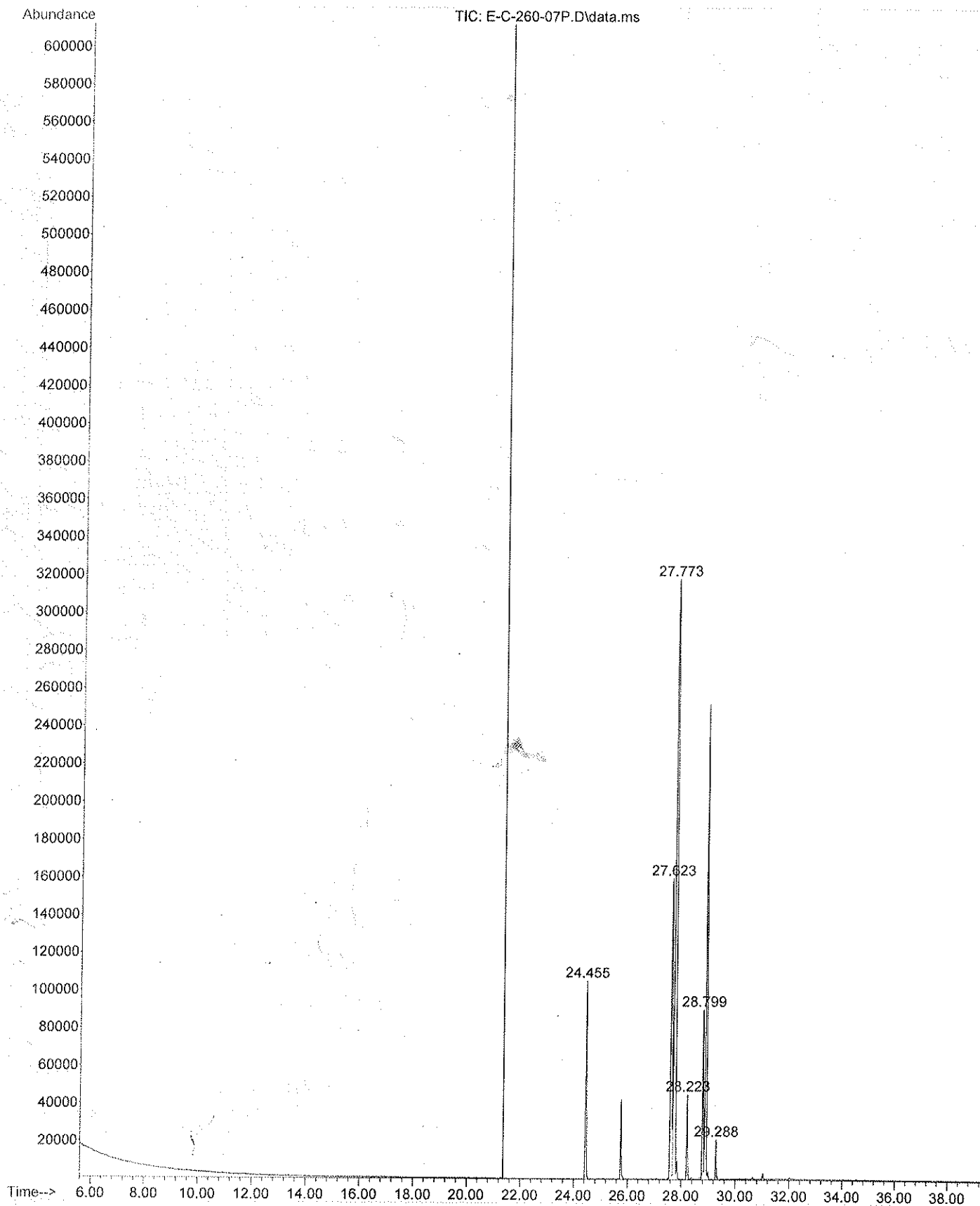


File :C:\msdchem\1\data\2016\July-16\30-07-16\E-C-260-07P.D  
Operator :  
Acquired : 30 Jul 2016 18:17 using AcqMethod FATTYACIDCOMPOSITION\_PROCESSING.M  
Instrument : GCMS  
Sample Name: Chia  
Misc Info :  
Vial Number: 2



## Library Search Report

Data Path : C:\msdchem\1\data\2016\July-16\30-07-16\  
Data File : E-C-260-07P.D  
Acq On : 30 Jul 2016 18:17  
Operator :  
Sample : Chia  
Misc :  
ALS Vial : 2 Sample Multiplier: 1

Search Libraries: C:\Database\NIST11.L Minimum Quality: 0

Unknown Spectrum: Apex

Integration Events: ChemStation Integrator - E-C-260-07P.E

PK#	RT	Area%	Library/ID	Ref#	CAS#	Qual
1	24.457	9.49	C:\Database\NIST11.L			
			Hexadecanoic acid, methyl ester	119400	000112-39-0	97
			Hexadecanoic acid, methyl ester	119405	000112-39-0	97
			Pentadecanoic acid, 14-methyl-, me thyl ester	119423	005129-60-2	97
2	27.623	21.35	C:\Database\NIST11.L			
			9,12-Octadecadienoic acid, methyl ester	139708	002462-85-3	99
			9,12-Octadecadienoic acid (Z,Z)-, methyl ester	139726	000112-63-0	99
			Methyl 10-trans,12-cis-octadecadie noate	139709	1000336-44-2	99
3	27.773	56.16	C:\Database\NIST11.L			
			9,12,15-Octadecatrienoic acid, met hyl ester, (Z,Z,Z)-	138095	000301-00-8	99
			7,10,13-Hexadecatrienoic acid, met hyl ester	114197	056554-30-4	95
			7,10,13-Hexadecatrienoic acid, met hyl ester	114196	056554-30-4	91
4	28.222	3.94	C:\Database\NIST11.L			
			Methyl stearate	143131	000112-61-8	98
			Methyl stearate	143126	000112-61-8	98
			Methyl stearate	143129	000112-61-8	98
5	28.800	7.56	C:\Database\NIST11.L			
			Linoleic acid ethyl ester	151450	000544-35-4	99
			9,12-Octadecadienoic acid, ethyl e ster	151471	007619-08-1	99
			9,12-Octadecadienoic acid (Z,Z)-	127648	000060-33-3	91
6	29.287	1.51	C:\Database\NIST11.L			
			Heptadecanoic acid, ethyl ester	143161	014010-23-2	87
			Heptadecanoic acid, ethyl ester	143163	014010-23-2	83
			Octadecanoic acid, ethyl ester	154935	000111-61-5	83

## Library Search Report

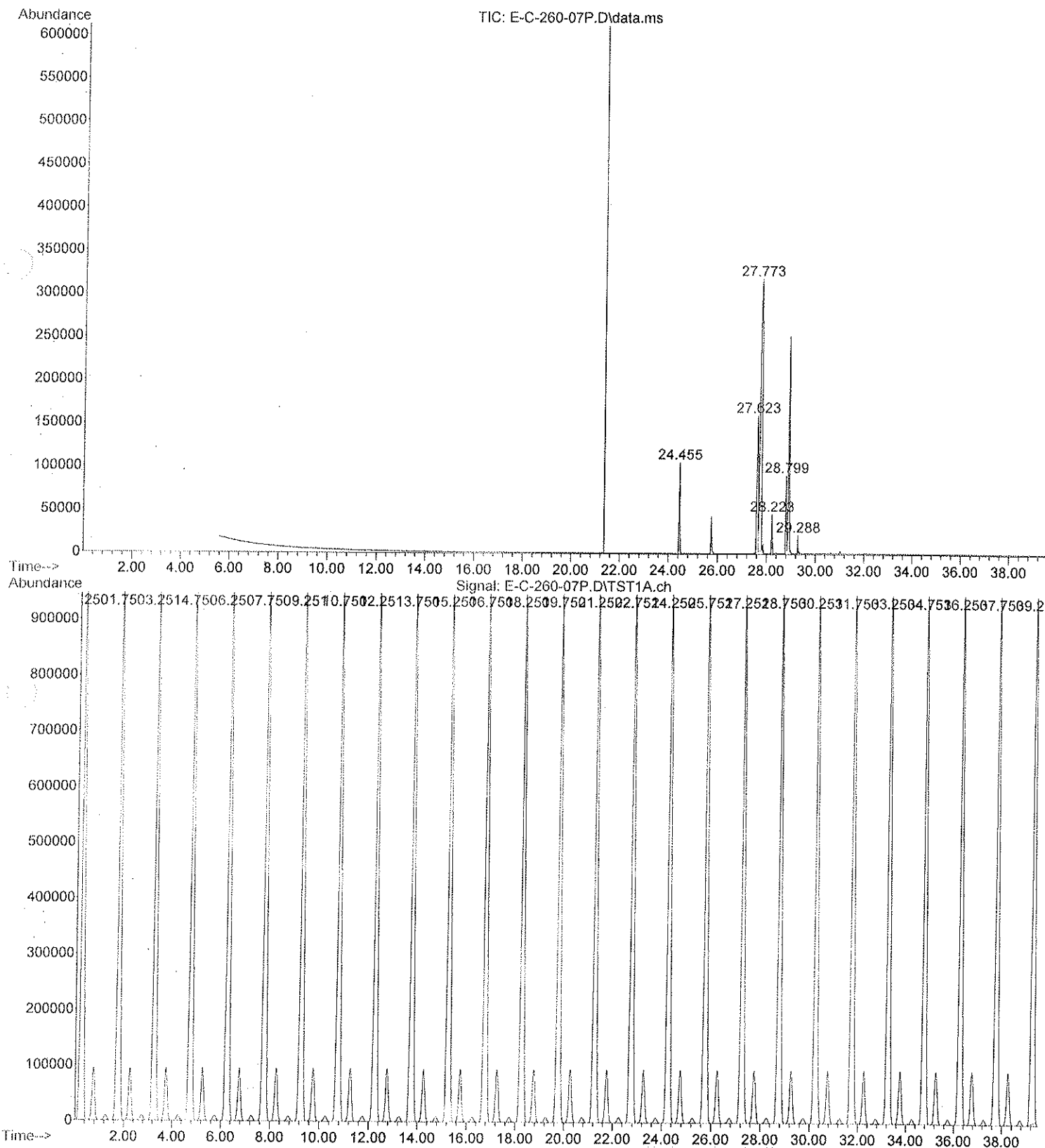
Data Path : C:\msdchem\1\data\2016\July-16\30-07-16\  
Data File : E-C-260-07P.D  
Acq On : 30 Jul 2016 18:17  
Operator :  
Sample : Chia  
Misc :  
ALS Vial : 2 Sample Multiplier: 1

Search Libraries: C:\Database\NIST11.L

Minimum Quality: 0

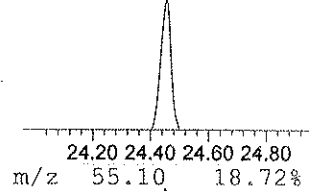
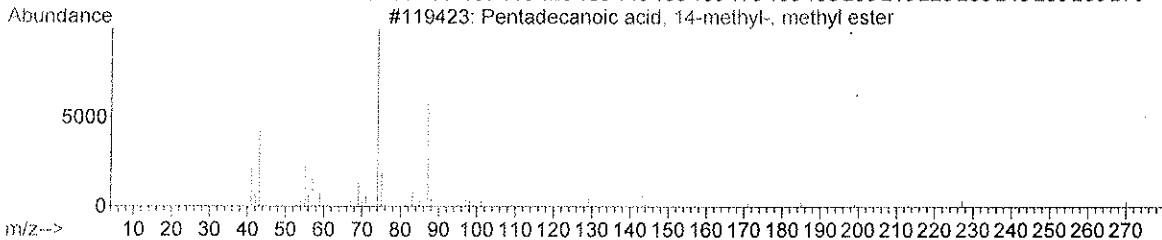
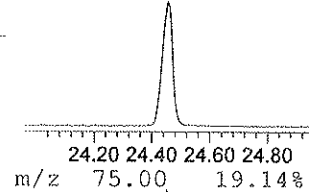
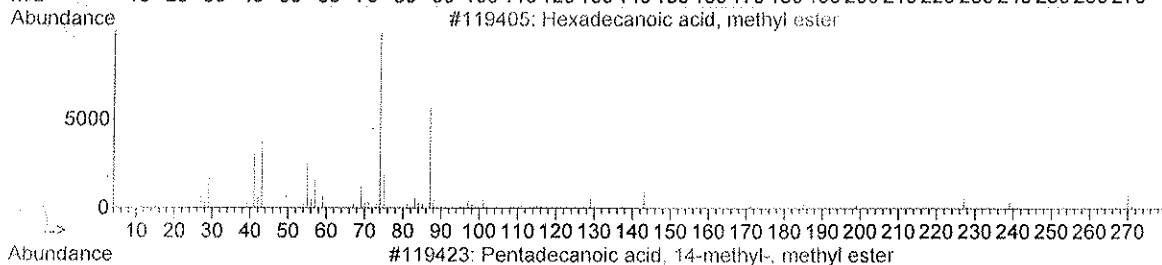
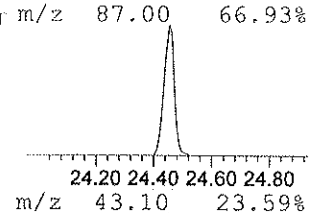
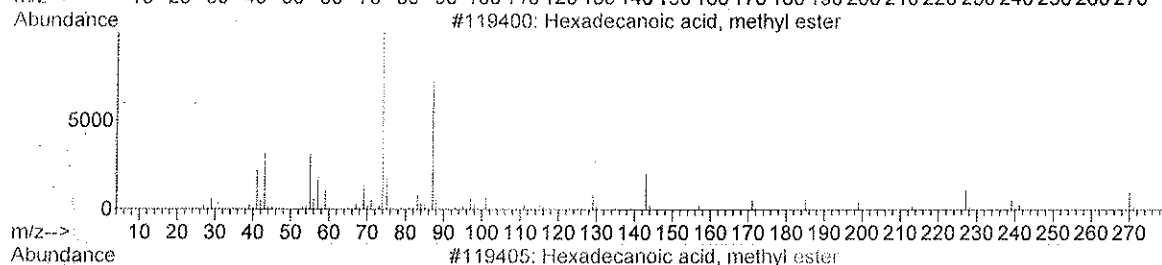
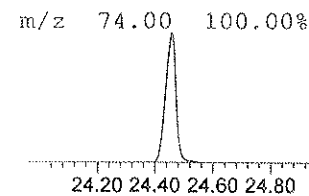
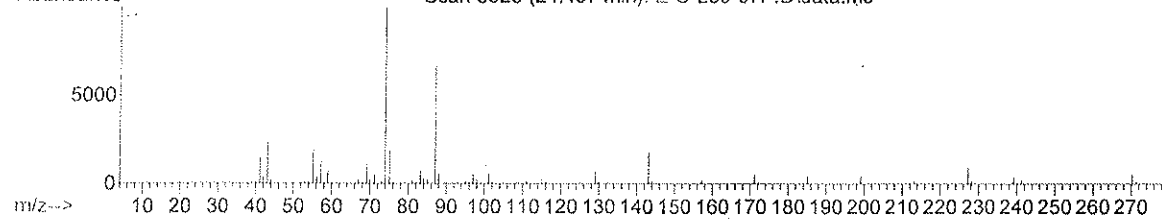
Unknown Spectrum: Apex

Integration Events: ChemStation Integrator - E-C-260-07P.E



## Unknown Spectrum based on Apex

Abundance Scan 3528 (24.457 min): E-C-260-07P.D\data.ms



Data File: C:\msdchem\1\data\2016\July-16\30-07-16\E-C-260-07P.D

Sample : Chia

Peak Number: 1 at 24.457 min Area: 2556692 Area % 9.49

The 3 best hits from each library.

Ref\# CAS\# Qual

C:\Database\NIST11.L

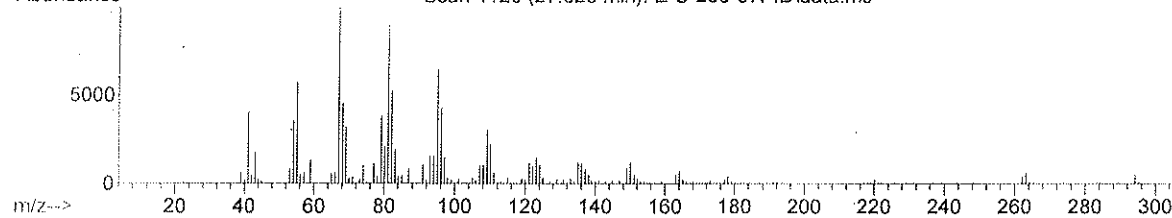
1 Hexadecanoic acid, methyl ester	119400	000112-39-0	97
2 Hexadecanoic acid, methyl ester	119405	000112-39-0	97
3 Pentadecanoic acid, 14-methyl-, ...	119423	005129-60-2	97

## Unknown Spectrum based on Apex

Abundance

Scan 4120 (27.623 min): E-C-260-07P.D\data.ms

m/z 67.10 100.00%

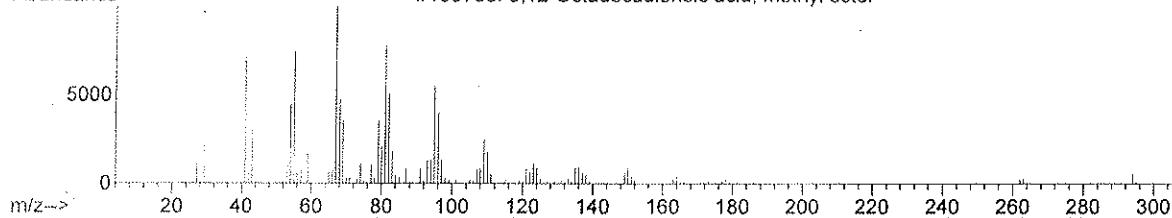


27.40 27.60 27.80 28.00

m/z 81.10 91.88%

Abundance

#139708: 9,12-Octadecadienoic acid, methyl ester

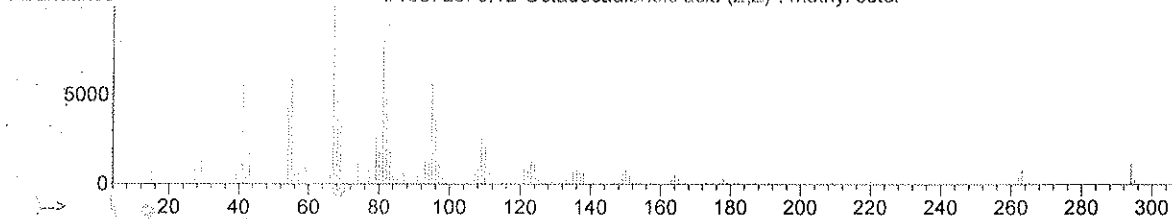


27.40 27.60 27.80 28.00

m/z 95.10 65.00%

Abundance

#139726: 9,12-Octadecadienoic acid (Z,Z)-, methyl ester

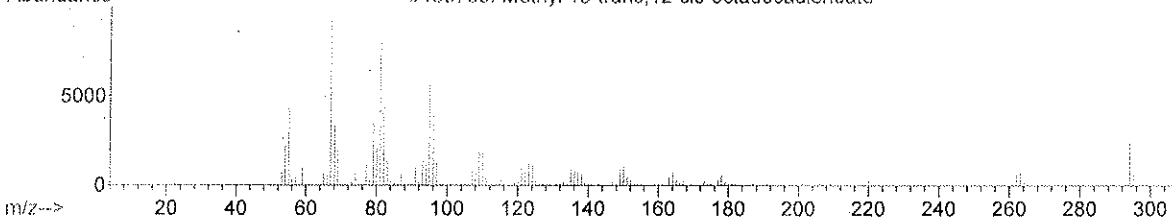


27.40 27.60 27.80 28.00

m/z 55.10 57.28%

Abundance

#139709: Methyl 10-trans,12-cis-octadecadienoate



27.40 27.60 27.80 28.00

m/z 82.10 52.73%

Data File: C:\msdchem\1\data\2016\July-16\30-07-16\E-C-260-07P.D

Sample : Chia

Peak Number: 2 at 27.623 min Area: 5752494 Area % 21.35

The 3 best hits from each library.

Ref\#

CAS\#

Qual

C:\Database\NIST11.L

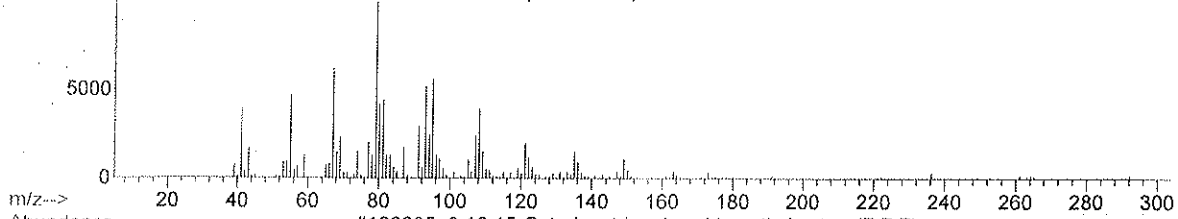
1	9,12-Octadecadienoic acid, methy...	139708	002462-85-3	99
2	9,12-Octadecadienoic acid (Z,Z)-...	139726	000112-63-0	99
3	Methyl 10-trans,12-cis-octadecad...	139709	1000336-44-2	99

## Unknown Spectrum based on Apex

Abundance

Scan 4148 (27.773 min): E-C-260-07P.D\data.ms

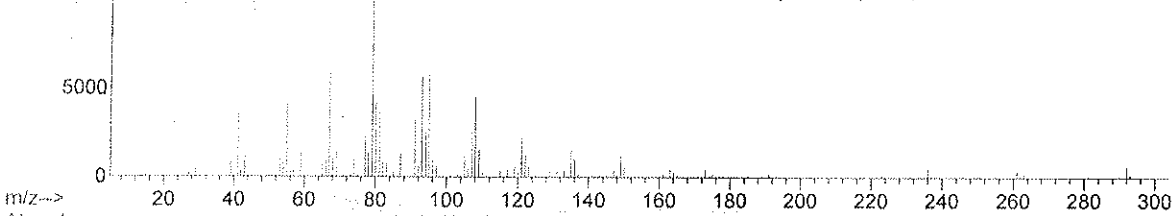
m/z 79.10 100.00%



m/z 67.10 62.22%

Abundance

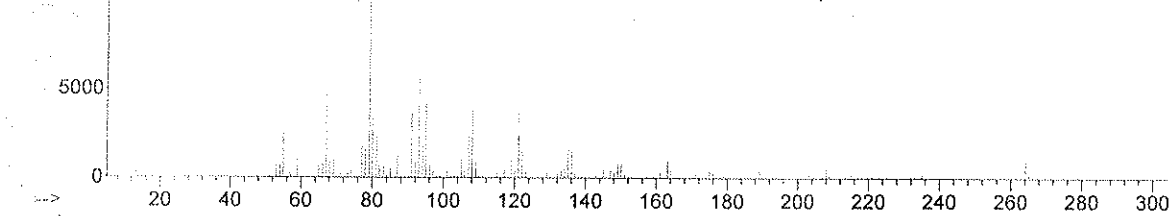
#138095: 9,12,15-Octadecatrienoic acid, methyl ester, (Z,Z,Z)-



m/z 95.10 56.15%

Abundance

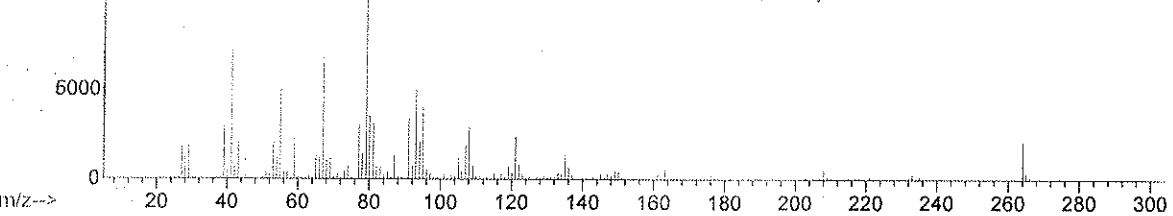
#114197: 7,10,13-Hexadecatrienoic acid, methyl ester



m/z 93.10 52.24%

Abundance

#114196: 7,10,13-Hexadecatrienoic acid, methyl ester



m/z 55.10 46.73%

Data File: C:\msdchem\1\data\2016\July-16\30-07-16\E-C-260-07P.D

Sample : Chia

Peak Number: 3 at 27.773 min Area: 15132970 Area % 56.16

The 3 best hits from each library.

Ref\#

CAS\#

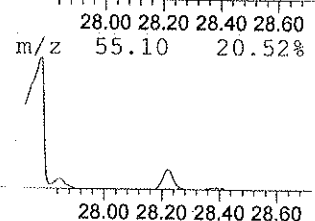
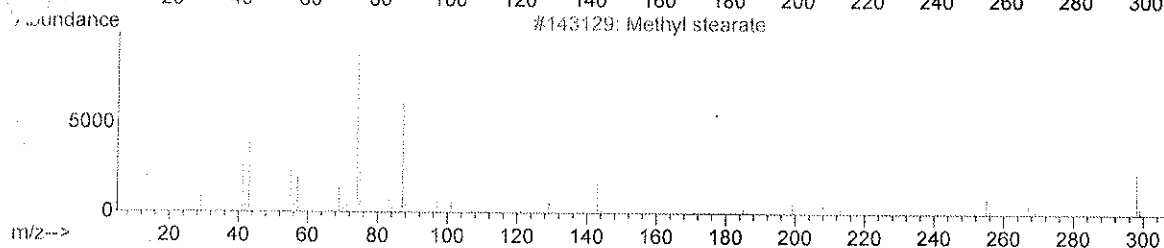
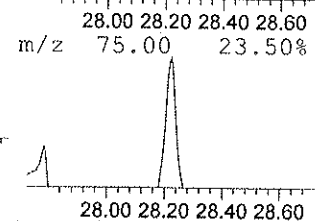
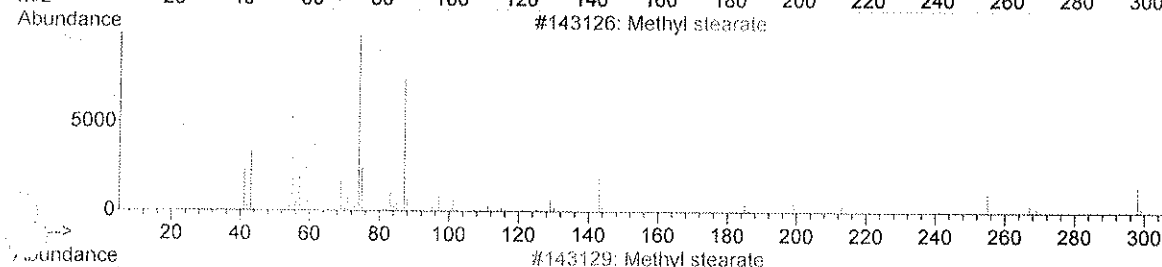
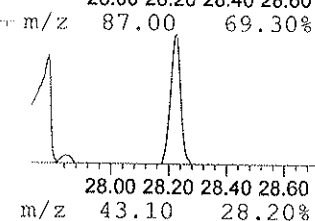
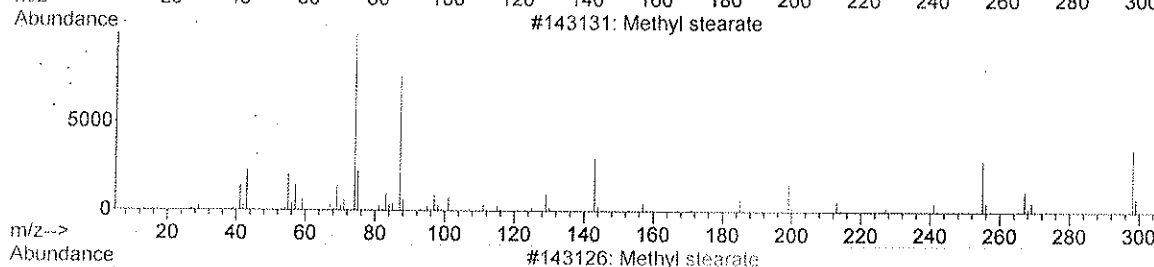
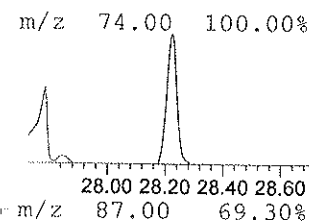
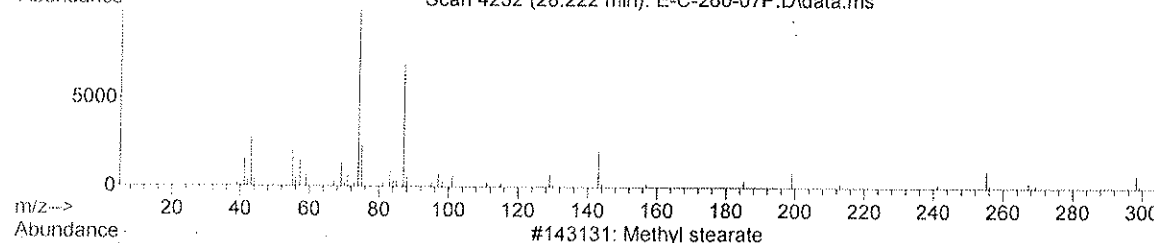
Qual

C:\Database\NIST11.L

1	9,12,15-Octadecatrienoic acid, m...	138095	000301-00-8	99
2	7,10,13-Hexadecatrienoic acid, m...	114197	056554-30-4	95
3	7,10,13-Hexadecatrienoic acid, m...	114196	056554-30-4	91

Unknown Spectrum based on Apex

Abundance Scan 4232 (28.222 min): E-C-260-07P.D\data.ms



Data File: C:\msdchem\1\data\2016\July-16\30-07-16\E-C-260-07P.D

Sample : Chia

Peak Number: 4 at 28.222 min Area: 1060675 Area % 3.94

The 3 best hits from each library.

Ref\# CAS\# Qual

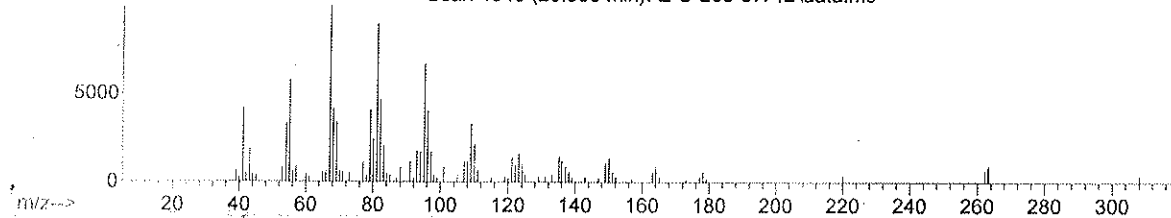
C:\Database\NIST11.L

1 Methyl stearate	143131	000112-61-8	98
2 Methyl stearate	143126	000112-61-8	98
3 Methyl stearate	143129	000112-61-8	98

## Unknown Spectrum based on Apex

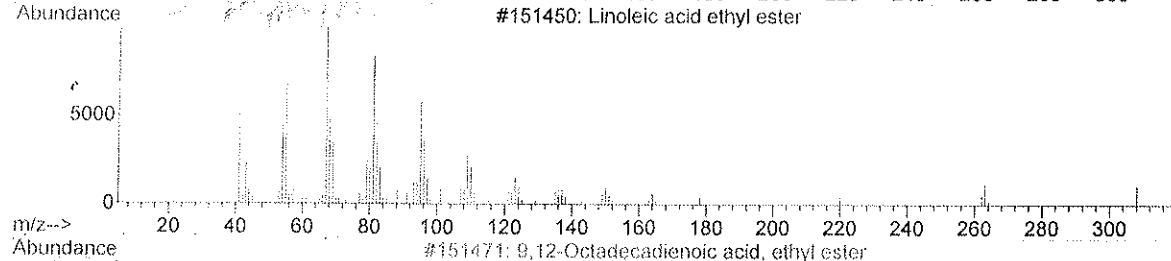
Abundance Scan 4340 (28.800 min): E-C-260-07P.D\data.ms

m/z 67.10 100.00%



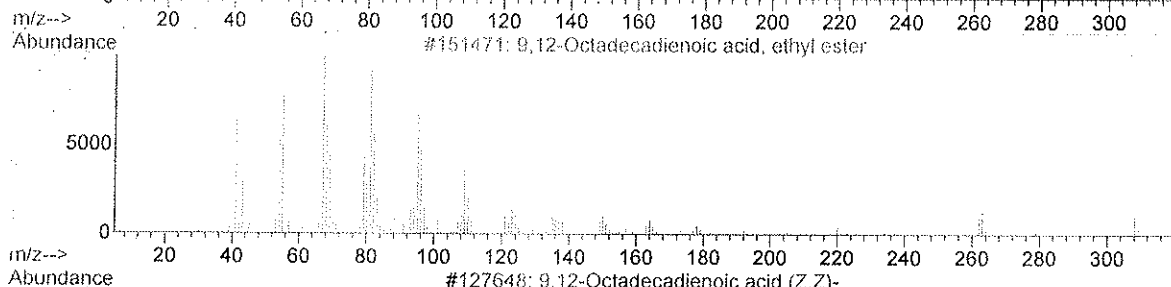
m/z 81.10 90.44%

m/z 95.10 66.82%



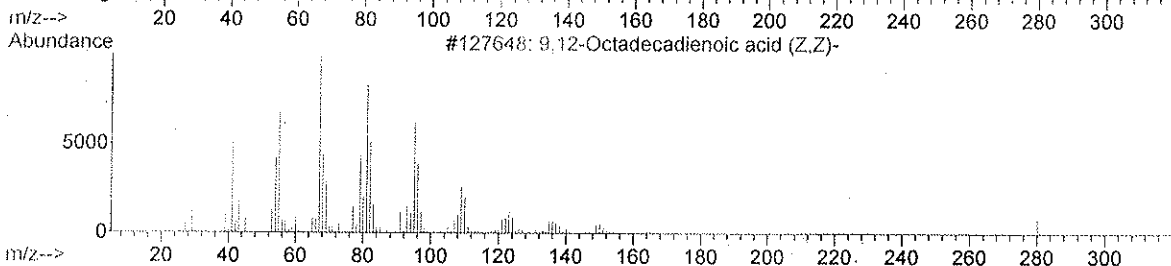
m/z 81.10 90.44%

m/z 95.10 66.82%



m/z 81.10 90.44%

m/z 95.10 66.82%



m/z 81.10 90.44%

m/z 95.10 66.82%

Data File: C:\msdchem\1\data\2016\July-16\30-07-16\E-C-260-07P.D

Sample : Chia

Peak Number: 5 at 28.800 min Area: 2036278 Area % 7.56

The 3 best hits from each library.

Ref\# CAS\# Qual

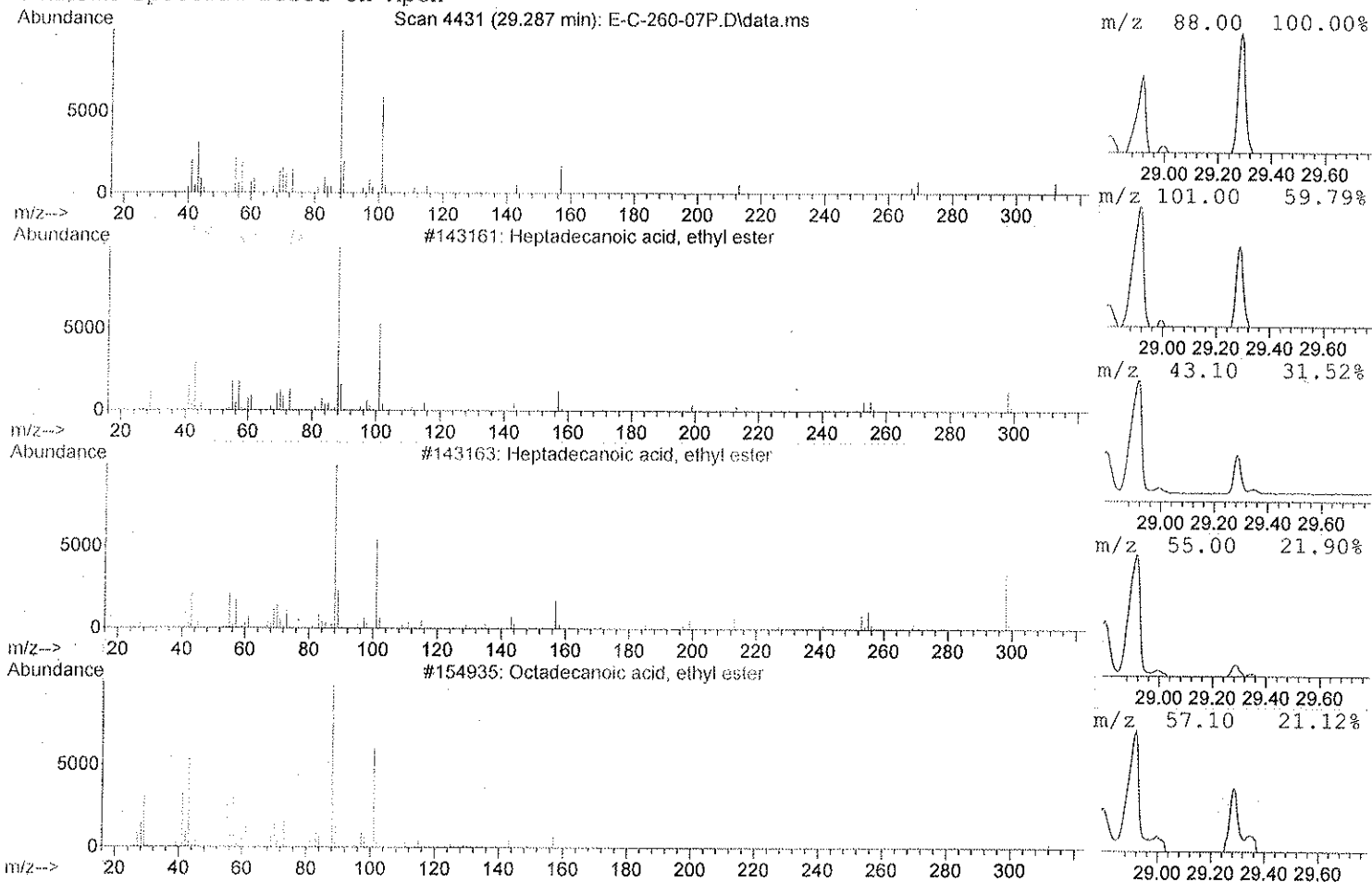
C:\Database\NIST11.L

1	Linoleic acid ethyl ester	151450	000544-35-4	99
2	9,12-Octadecadienoic acid, ethyl...	151471	007619-08-1	99
3	9,12-Octadecadienoic acid (Z,Z)-	127648	000060-33-3	91



Unknown Spectrum based on Apex

Scan 4431 (29.287 min): E-C-260-07P.D\data.ms



Data File: C:\msdchem\1\data\2016\July-16\30-07-16\E-C-260-07P.D

Sample: Chia

Peak Number: 6 at 29.287 min Area: 405825 Area % 1.51

The 3 best hits from each library.

Ref\# CAS\# Qual

C:\Database\NIST11.L

1	Heptadecanoic acid, ethyl ester	143161	014010-23-2	87
2	Heptadecanoic acid, ethyl ester	143163	014010-23-2	83
3	Octadecanoic acid, ethyl ester	154935	000111-61-5	83