User: Vinci, David L
Westchester Dept. of Labs & Research
Date: 04/03/2002 Time: 12:24:14

Sample: AE03253
Analysis: $GCMS GCMS Scan For Unknowns
Units: ug
Started: 4/3/02 12:23 Ended: 4/3/02 12:23 Analyst: DLV
Page: 1

	Component Name	Viol	Result	Qualifier	MDL
1	Other unknown compounds		.		
2	Surr_2,4-DDD		87		5.0

Comments for Sample AE03253 - Analysis $GCMS

Westchester Dept. of Labs & Research
User: Vinci, David L
Date: 04-03-2002 Time: 12:24:50

The GCMS scan, from 35 to 550 amu, does not reveal the presence of unusual compounds. Recoveries for 11 of the 43 compounds in the LCS Standard were low.

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\022802\03253.D Vial: 20
Acq On : 2 Mar 2002 4:42 am Operator: McLean
Sample : 2/13/02 GC SCAN Inst : Instrumen
Misc : Multiplr: 1.00
MS Integration Params: BENZO.P
Quant Time: Apr 02 12:01:17 2002 Quant Results File: 5080202.RES

Quant Method : C:\MSDCHEM\1\5973N\5080202.M (RTE Integrator)
Title : Quantitation For Method 508gcscan
Last Update : Mon Feb 25 19:17:14 2002
Response via : Initial Calibration
DataAcq Meth : 508SCAN

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	9.58	150	1520929	20.00 ug/L	0.00
10) Naphthalene-d8	13.05	136	3968396	20.00 ug/L	0.00
17) Acenaphthene-d10	18.17	164	2228141	20.00 ug/L	0.00
29) Phenanthrene-d10	22.52	188	3377595	20.00 ug/L	0.00
38) Chrysene-d12	30.33	240	3078584	20.00 ug/L	-0.03
44) Perylene-d12	34.21	264	1955530	20.00 ug/L	-0.02
System Monitoring Compounds					
37) 2,4-ddd surr	27.46	235	218640	4.08 ug/L	0.00
Spiked Amount 5.000			Recovery = 81.60%		
Target Compounds					Qvalue
2) N-nitroso-dimethyl amine	0.00	74	0	N.D. d	
3) bis(2-chloroethyl) ether	0.00	93	0	N.D.	
4) 1,3 - Dichlorobenze	0.00	146	0	N.D.	
5) 1,4 - Dichlorobenzene	0.00	146	0	N.D.	
6) 1,2 - Dichlorobenzene	0.00	146	0	N.D.	
7) 2,2 ' - oxybis (1-Chloropr	0.00	45	0	N.D.	
8) N-Nitroso-di-n-propylamine	0.00	70	0	N.D.	
9) Hexachloroethane	0.00	117	0	N.D.	
11) Nitrobenzene	0.00	77	0	N.D.	
12) Isophorone	0.00	82	0	N.D.	
13) bis(2-Chloroethoxy) methan	0.00	93	0	N.D.	
14) 1,2,4-Trichlorobenzene	0.00	180	0	N.D.	
15) Naphthalene	0.00	128	0	N.D.	
16) Hexachlorobutadiene	0.00	225	0	N.D.	
18) Hexachlorocyclopentadiene	0.00	237	0	N.D.	
19) 2-chloronaphthalene	0.00	162	0	N.D.	
20) Dimethylphthalate	0.00	163	0	N.D.	
21) 2,6-Dinitrotoluene	18.16	165	285323	9.20 ug/L #	25
22) Acenaphthylene	0.00	152	0	N.D.	
23) Acenaphthene	0.00	153	0	N.D.	
24) 2,4-Dinitrotoluene	0.00	165	0	N.D.	
25) Diethylphthalate	0.00	149	0	N.D.	
26) 4-Chlorophenyl-phenyl ethe	0.00	204	0	N.D.	
27) Fluorene	0.00	166	0	N.D.	
28) Azobenzen/ 1,2-Diphenylhyd	0.00	77	0	N.D.	
30) N-Nitrosodiphenylamine	0.00	169	0	N.D.	
31) 4-Bromophenyl-phenyl ether	0.00	248	0	N.D.	
32) Hexachlorobenzene	0.00	284	0	N.D.	
33) Phenanthrene	0.00	178	0	N.D.	
34) Anthracene	0.00	178	0	N.D.	
35) Di-n-butylphthalate	24.67	149	84206	0.37 ug/L	98
36) Fluoranthene	0.00	202	0	N.D.	
39) Pyrene	0.00	202	0	N.D.	
40) Butylbenzylphthalate	0.00	149	0	N.D.	
41) Benzo (a) antracene	30.34	228	7932	0.04 ug/L	46
42) Bis (2-ethylhexyl) phthala	30.93	149	6447	0.05 ug/L	88
43) Chrysene	30.34	228	7932	0.04 ug/L	44
45) Di-n-Octylphthalate	0.00	149	0	N.D.	
46) Benzo (b) fluoranthene	0.00	252	0	N.D.	

4.3625 = 87%

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\022802\03253.D Vial: 20
Acq On : 2 Mar 2002 4:42 am Operator: McLean
Sample : 2/13/02 GC SCAN Inst : Instrumen
Misc : Multiplr: 1.00
MS Integration Params: BENZO.P
Quant Time: Apr 02 12:01:17 2002 Quant Results File: 5080202.RES

Quant Method : C:\MSDCHEM\1\5973N\5080202.M (RTE Integrator)
Title : Quantitation For Method 508gcscan
Last Update : Mon Feb 25 19:17:14 2002
Response via : Initial Calibration
DataAcq Meth : 508SCAN

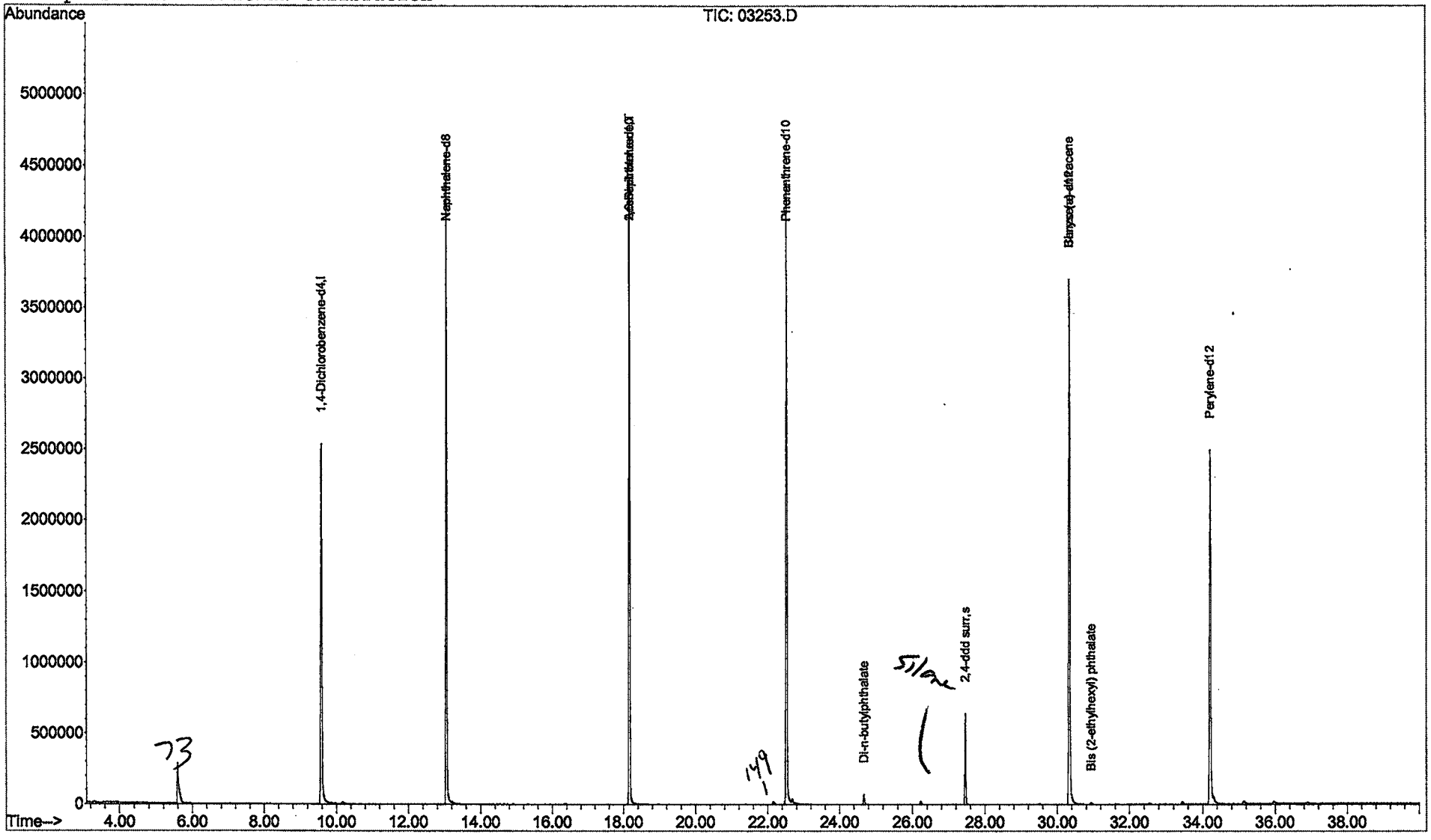
Compound	R.T.	QIon	Response	Conc Unit	Qvalue
47) Benzo (k) fluoranthene	0.00	252	0	N.D.	
48) Benzo (a) pyrene	0.00	252	0	N.D.	d
49) Indeno (1,2,3-cd) pyrene	0.00	276	0	N.D.	
50) Dibenz (a,h) anthracene	0.00	278	0	N.D.	
51) Benzo (g,h,i) perylene	0.00	276	0	N.D.	

(#) = qualifier out of range (m) = manual integration
03253.D 5080202.M Tue Apr 02 12:01:54 2002 Page 2

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\022802\03253.D Vial: 20
Acq On : 2 Mar 2002 4:42 am Operator: McLean
Sample : 2/13/02 GC SCAN Inst : Instrumen
Misc : Multiplr: 1.00
MS Integration Params: BENZO.P
Quant Time: Apr 2 12:01 2002 Quant Results File: 5080202.RES

Method : C:\MSDCHEM\1\5973N\5080202.M (RTE Integrator)
Title : Quantitation For Method 508gcscan
Last Update : Mon Feb 25 19:17:14 2002
Response via : Initial Calibration



LSC Area Percent Report

Data File : C:\MSDCHEM\1\DATA\022802\03253.D Vial: 20
Acq On : 2 Mar 2002 4:42 am Operator: McLean
Sample : 2/13/02 GC SCAN Inst : Instrumen
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.P

Method : C:\MSDCHEM\1\5973N\5080202.M (RTE Integrator)
Title : Quantitation For Method 508gcscan
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 1 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

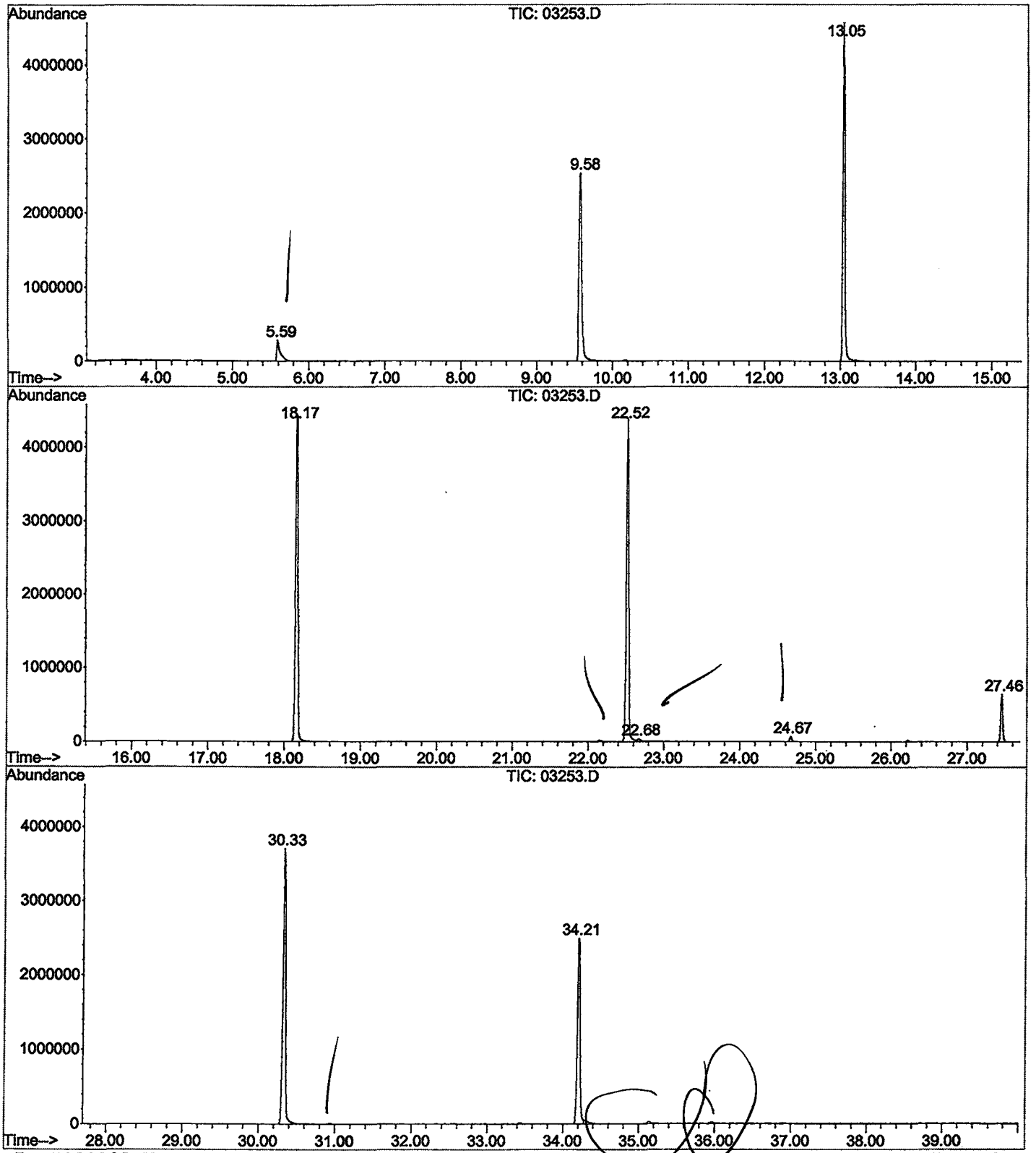
Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.588	274	277	297	rBV	282360	855233	9.22%	1.683%
2	9.579	711	717	731	rBV	2534763	6314329	68.07%	12.426%
3	13.053	1094	1100	1114	rBV	4575934	8538029	92.04%	16.801%
4	18.169	1657	1664	1676	rBV	4423994	9195086	99.12%	18.094%
5	22.523	2137	2144	2157	rBV2	4388924	9276438	100.00%	18.254%
6	22.677	2157	2161	2170	rVB3	32933	98916	1.07%	0.195%
7	24.672	2377	2381	2388	rVB	68047	122559	1.32%	0.241%
8	27.457	2683	2688	2696	rBV	638406	1133794	12.22%	2.231%
9	30.332	2998	3005	3027	rBV2	3702957	9014162	97.17%	17.738%
10	34.205	3425	3432	3440	rBV2	2494439	6268958	67.58%	12.336%

Sum of corrected areas: 50817504

LSC Report - Integrated Chromatogram

File : C:\MSDCHEM\1\DATA\022802\03253.D
Operator : McLean
Acquired : 2 Mar 2002 4:42 am using AcqMethod 508SCAN
Instrument : Instrumen
Sample Name: 2/13/02 GC SCAN
Misc Info :
Vial Number: 20
Quant File :5080202.RES (RTE Integrator)



Library Search Compound Report

Data File : C:\MSDCHEM\1\DATA\022802\03253.D Vial: 20
Acq On : 2 Mar 2002 4:42 am Operator: McLean
Sample : 2/13/02 GC SCAN Inst : Instrumen
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.P

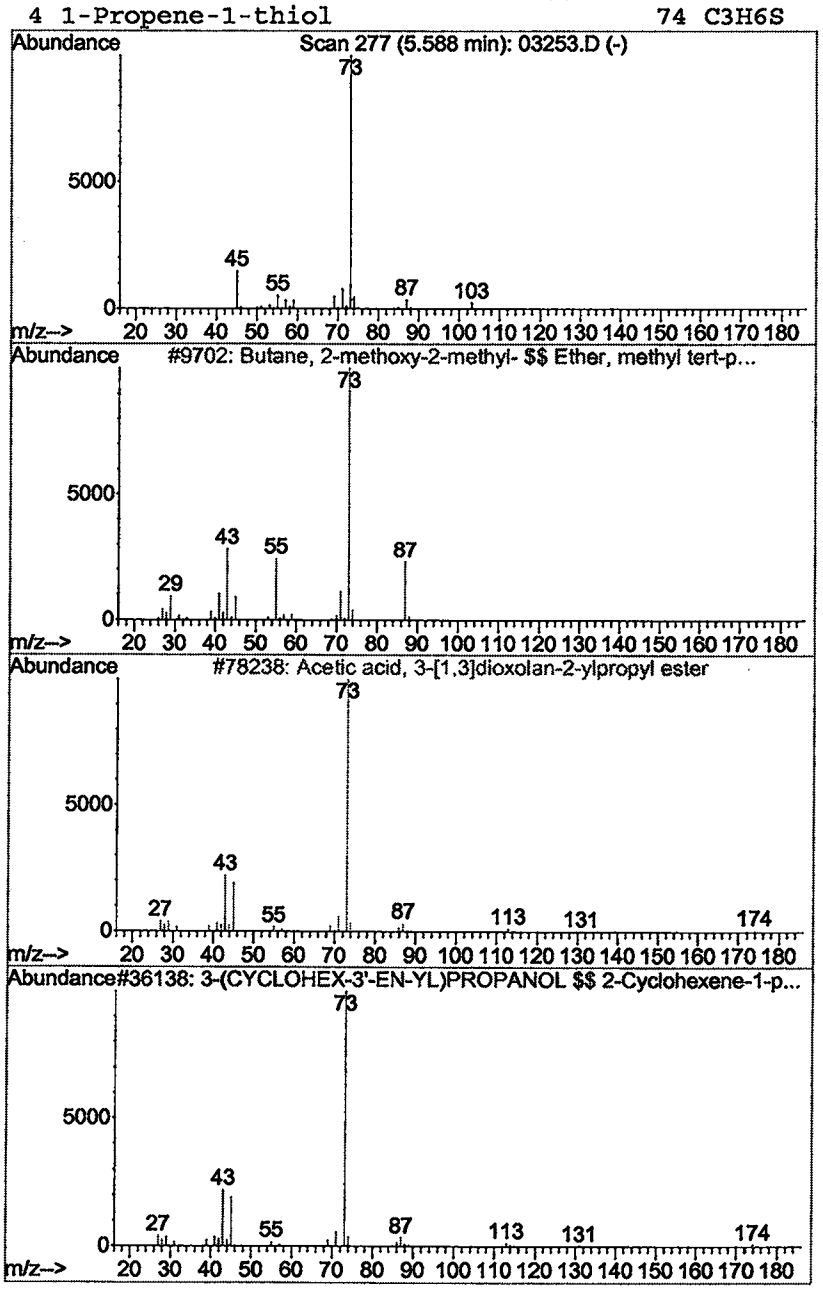
Quant Method : C:\MSDCHEM\1\5973N\5080202.M (RTE Integrator)
Title : Quantitation For Method 508gcscan
Library : C:\DATABASE\WILEY7N.L

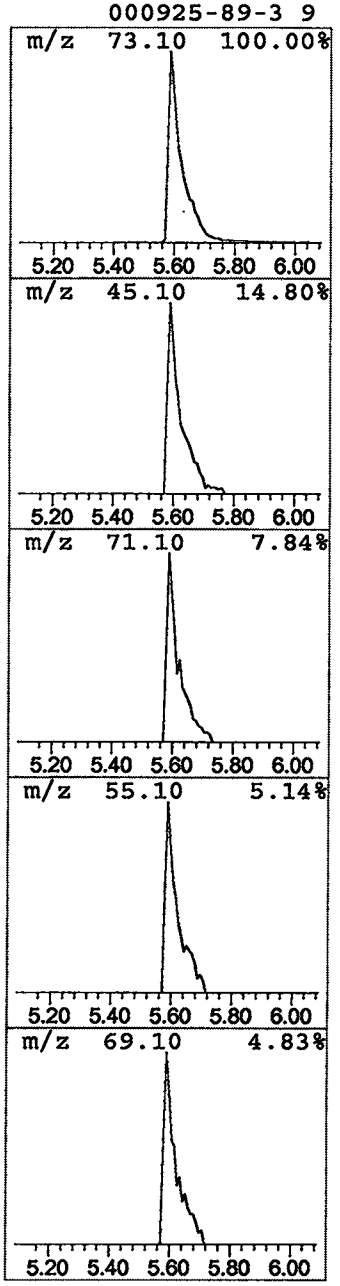
****

Peak Number 1 Butane, 2-methoxy-2-methyl-... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.59	2.71 ug/L	855233	1,4-Dichlorobenzene-d4	9.58

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2-methoxy-2-methyl- $$ E...	102	C6H14O	000994-05-8	28
2	Acetic acid, 3-[1,3]dioxolan-2-y...	174	C8H14O4	000000-00-0	9
3	3-(CYCLOHEX-3'-EN-YL)PROPANOL $$...	174	C8H14O4	015745-87-6	9
4	1-Propene-1-thiol	74	C3H6S	000925-89-3	9



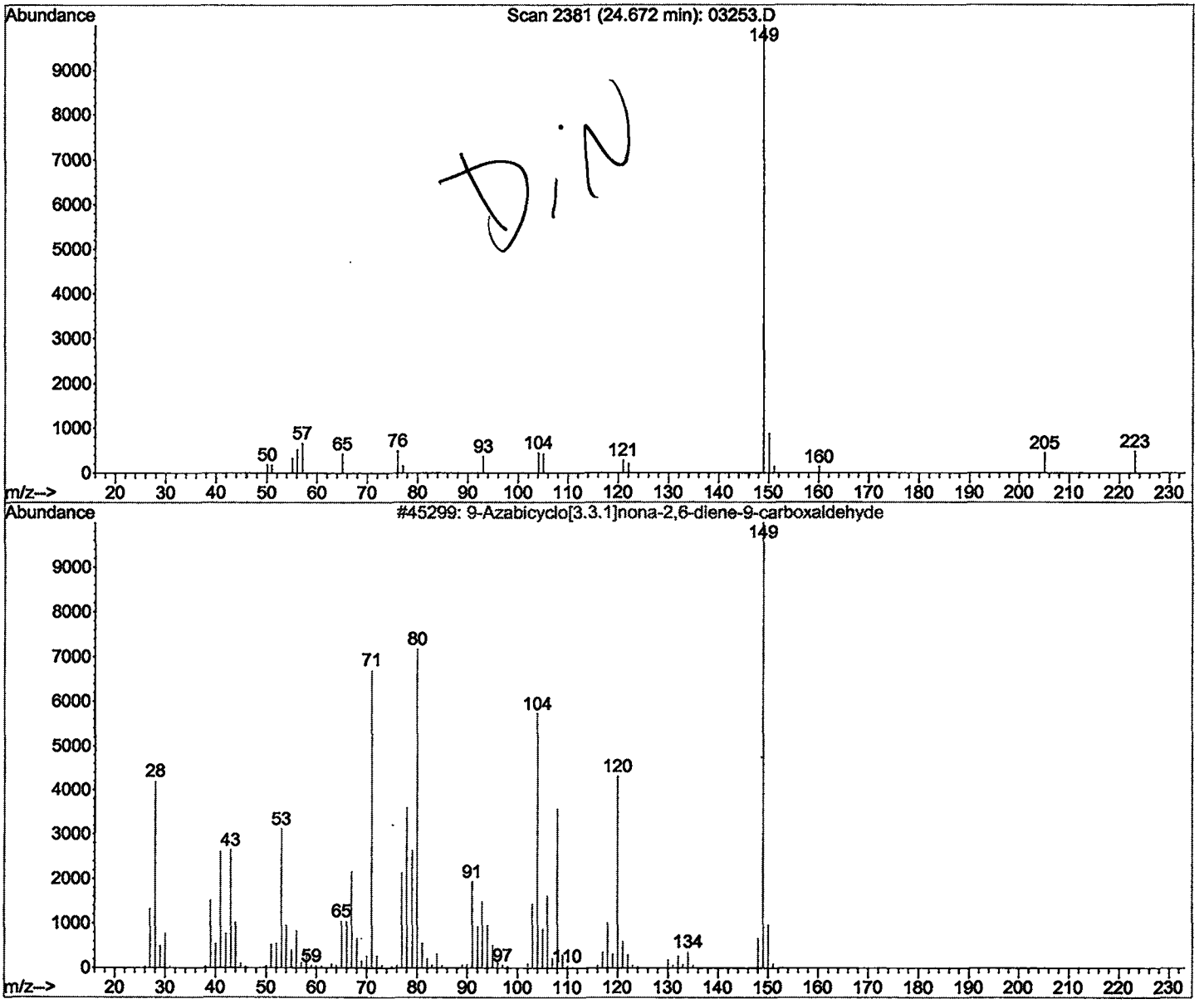


Tentatively Identified Compound (LSC) summary

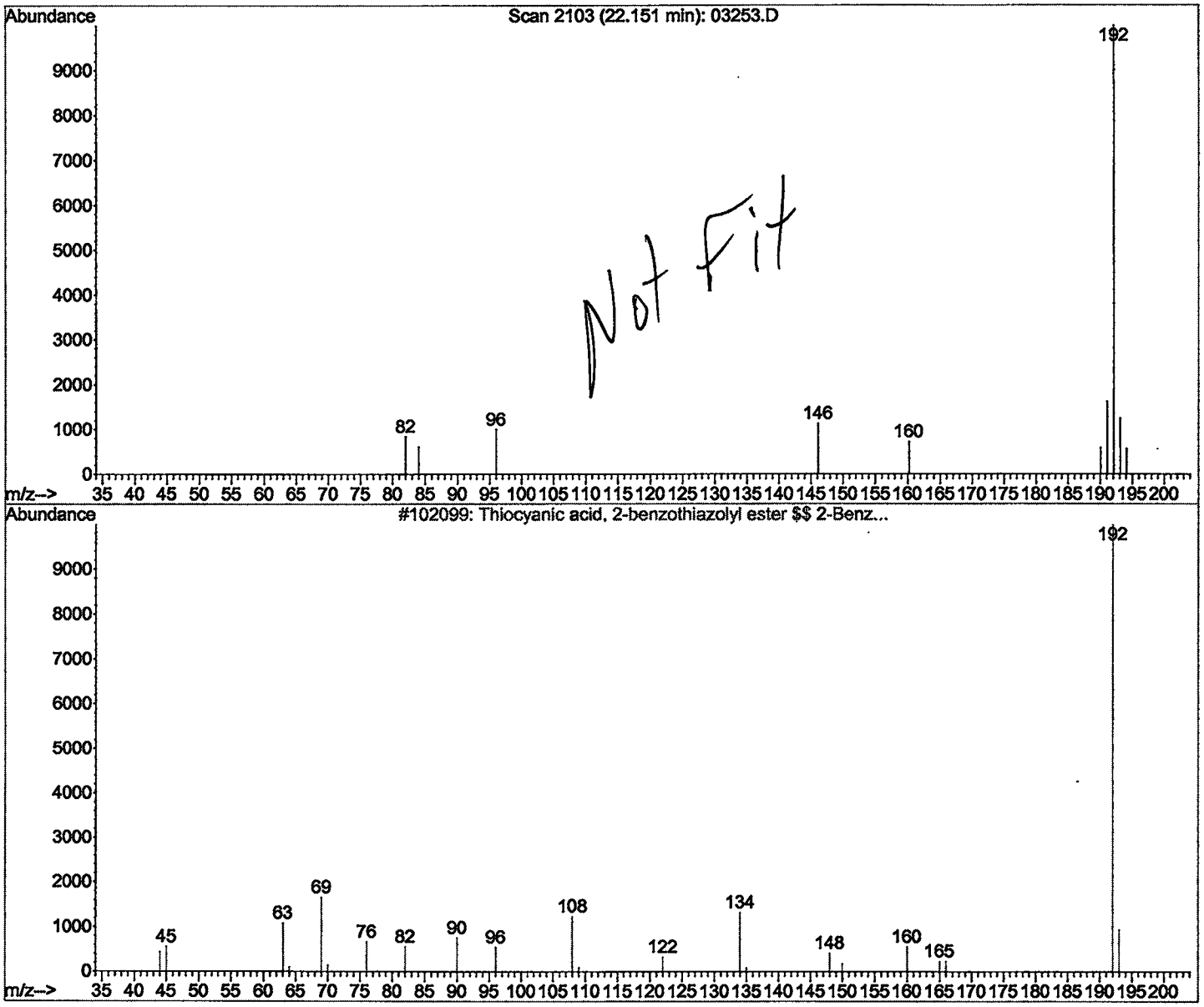
Operator ID: McLean Date Acquired: 2 Mar 2002 4:42 am
Data File: C:\MSDCHEM\1\DATA\022802\03253.D
Name: 2/13/02 GC SCAN
Misc:
Method: C:\MSDCHEM\1\5973N\5080202.M (RTE Integrator)
Title: Quantitation For Method 508gcscan
Library Searched: C:\DATABASE\WILEY7N.L

					--Internal Standard---			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
Butane, 2-methoxy...	5.59	2.7	ug/L	855233	1	9.58	6314330	20.0

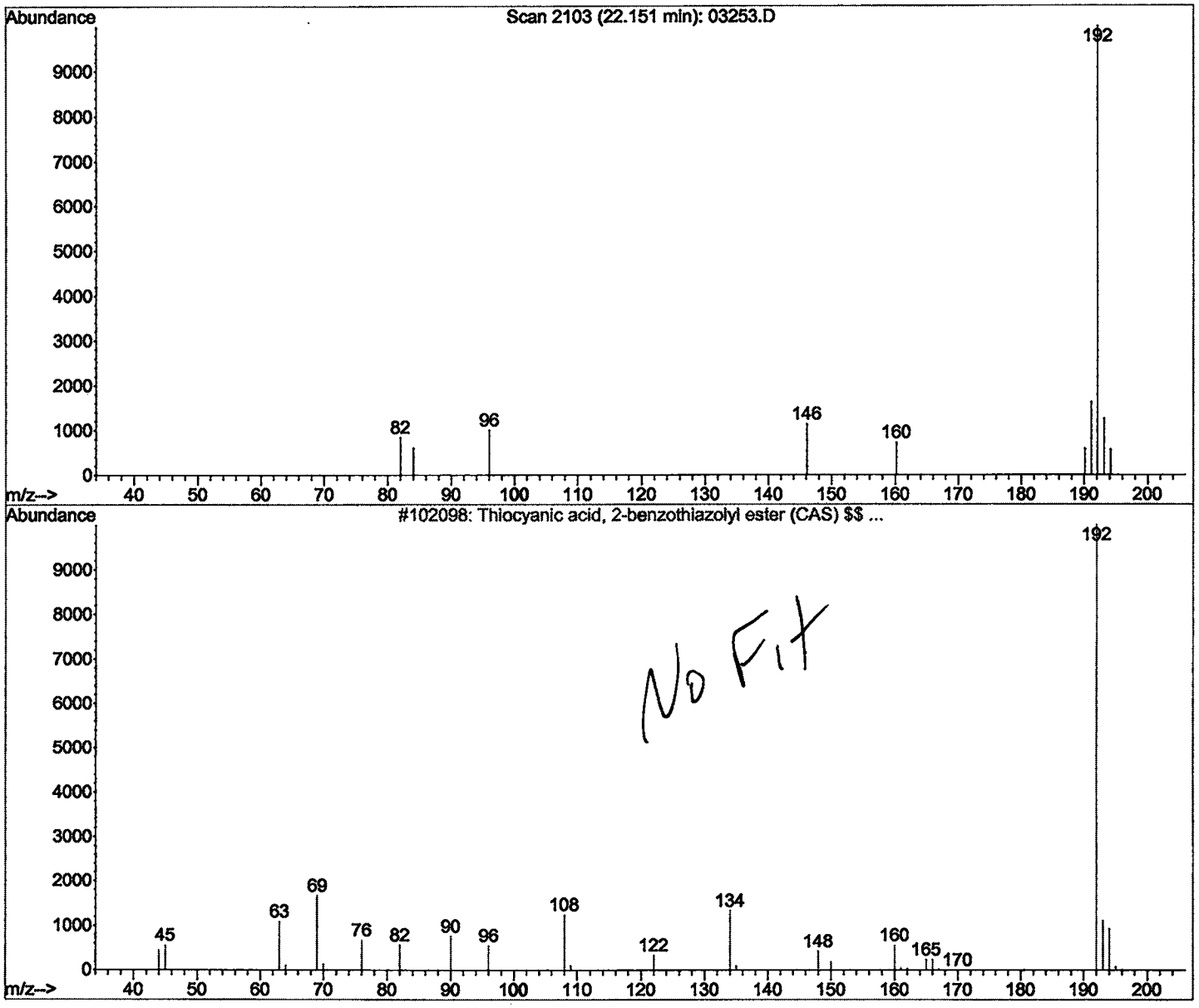
Library Searched : C:\Database\wiley7n.l
Quality : 53
ID : 9-Azabicyclo[3.3.1]nona-2,6-diene-9-carboxaldehyde



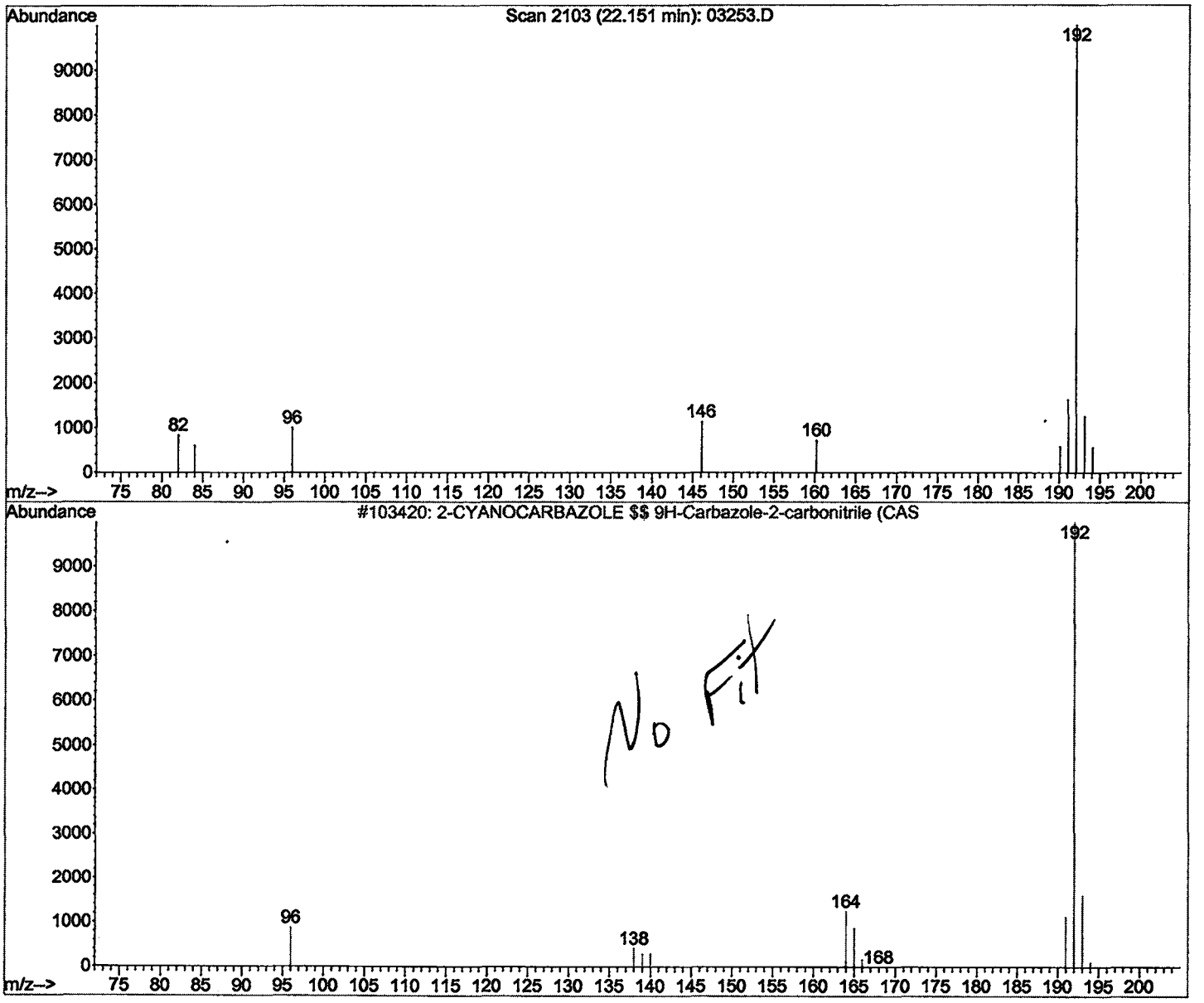
Library Searched : C:\Database\wiley7n.l
Quality : 64
ID : Thiocyanic acid, 2-benzothiazolyl ester $$ 2-Benzothiazolyl thiocyanat
e $$ 2-Thiocyanatobenzothiazole



Library Searched : C:\Database\wiley7n.l
Quality : 64
ID : Thiocyanic acid, 2-benzothiazolyl ester (CAS) $$ 2-Thiocyanatobenzothiazole $$ 2-Benzothiazolyl thiocyanate

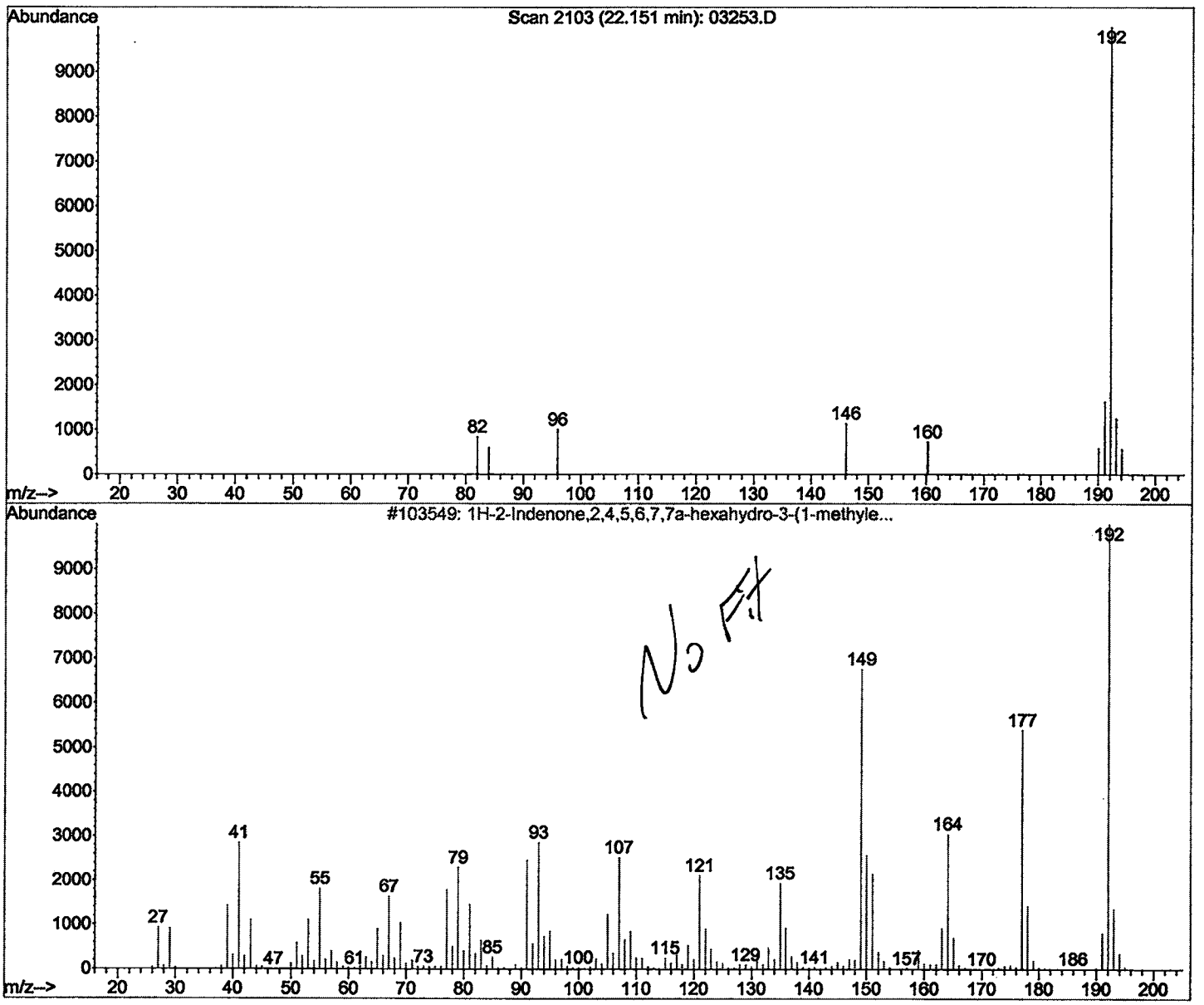


Library Searched : C:\Database\wiley7n.l
Quality : 56
ID : 2-CYANOCARBAZOLE $$ 9H-Carbazole-2-carbonitrile (CAS)



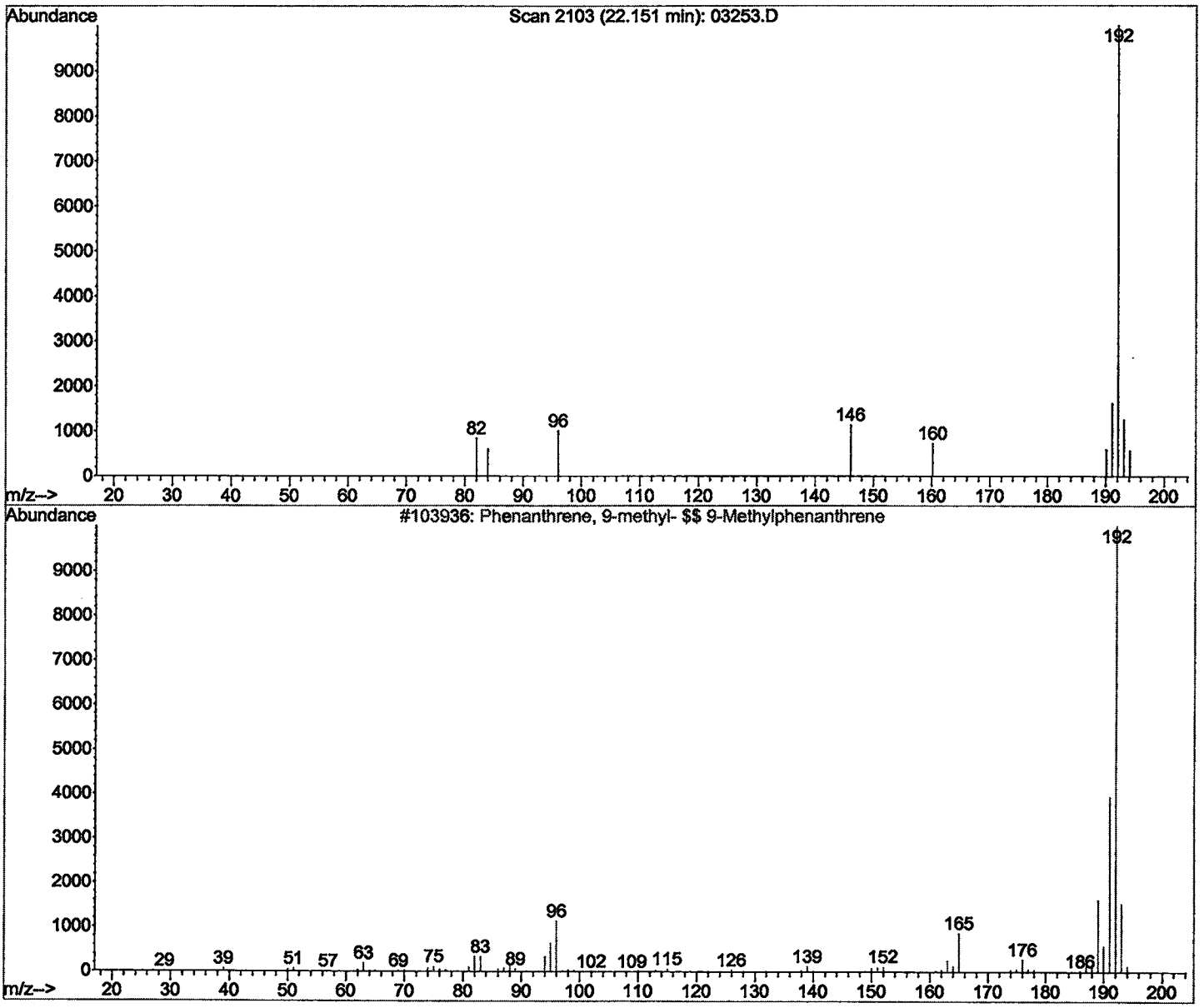
No Fit

Library Searched : C:\Database\wiley7n.l
Quality : 50
ID : 1H-2-Indenone,2,4,5,6,7,7a-hexahydro-3-(1-methylethyl)-7a-methyl

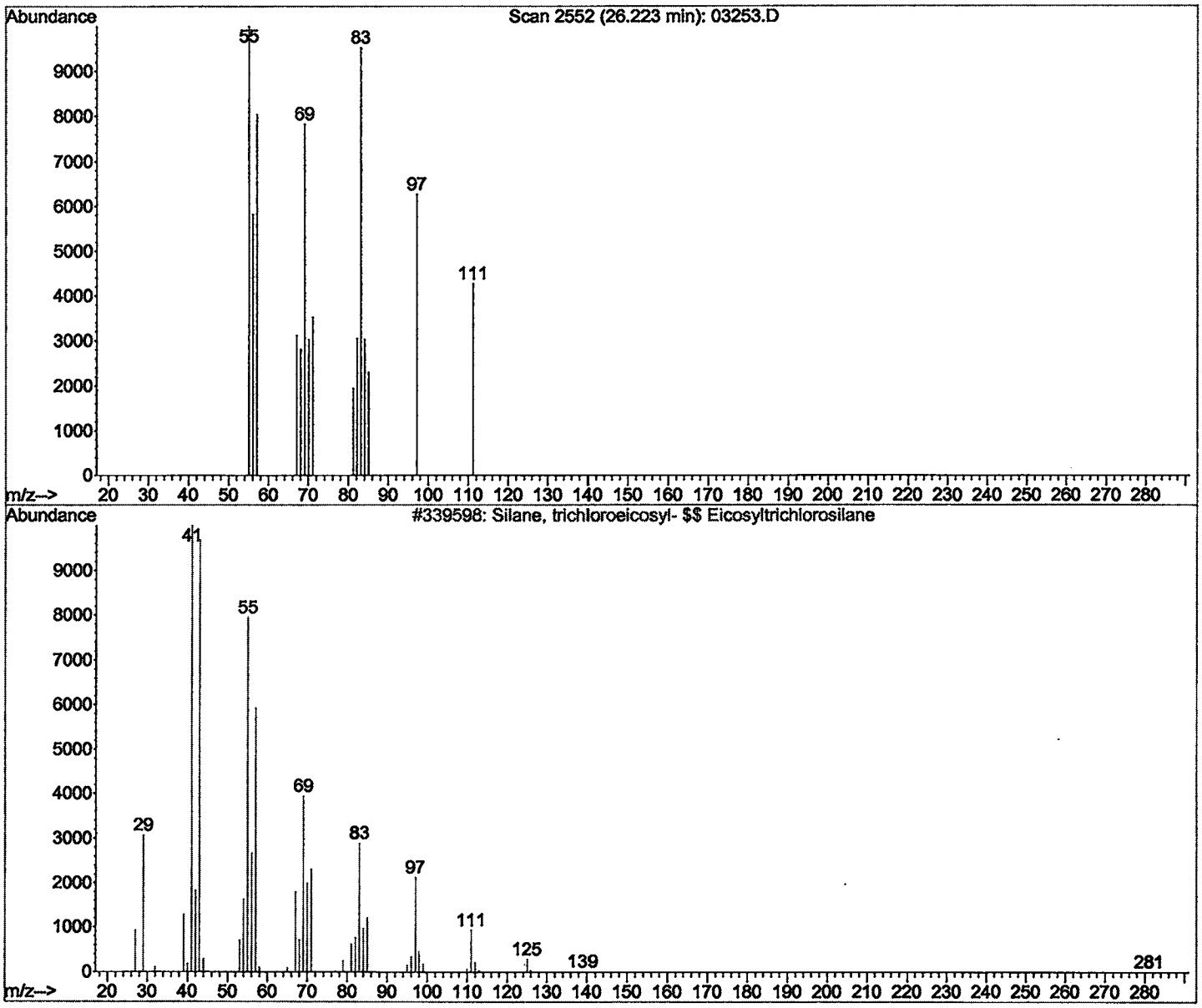


No Fit

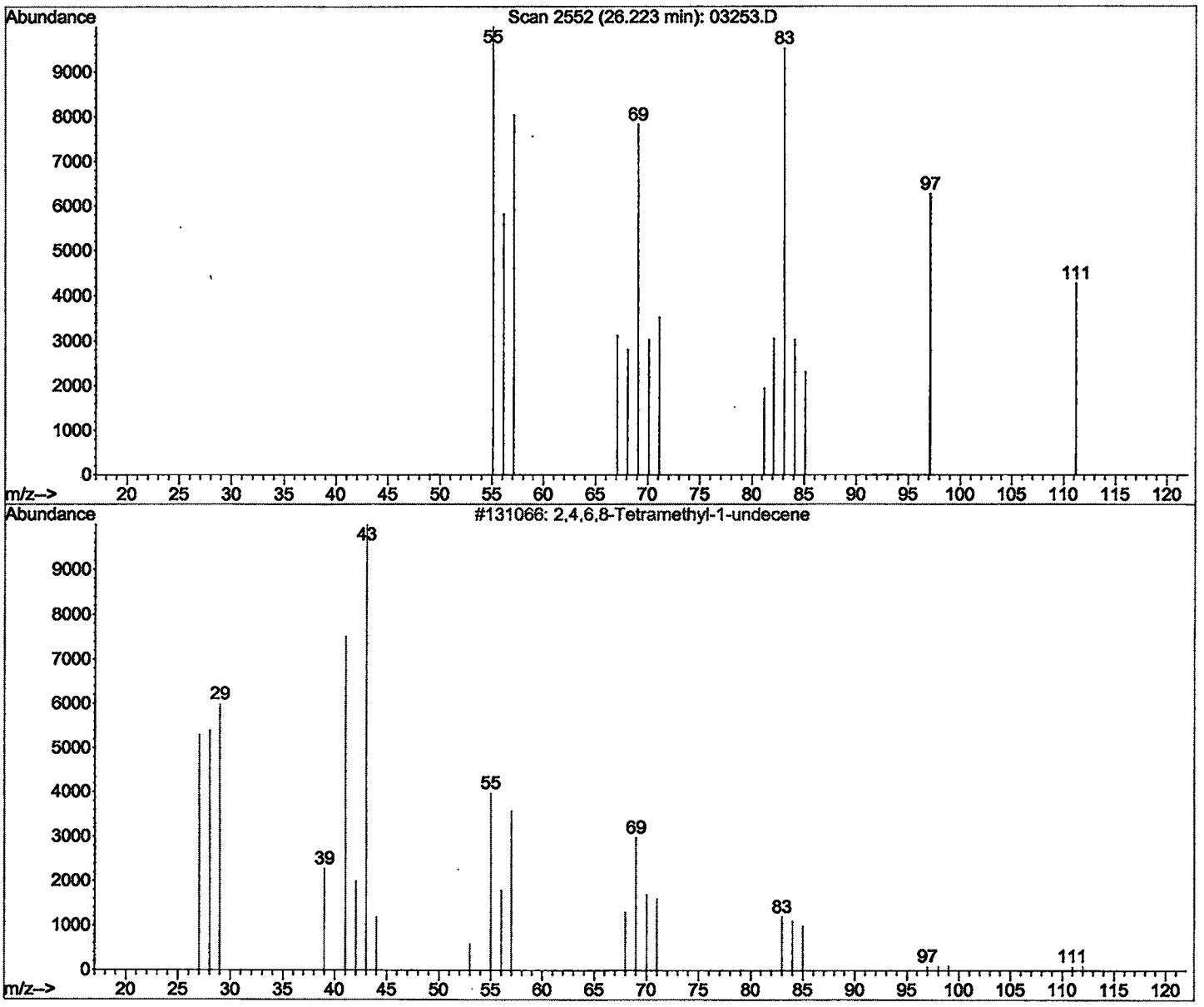
Library Searched : C:\Database\wiley7n.l
Quality : 50
ID : Phenanthrene, 9-methyl- $$ 9-Methylphenanthrene



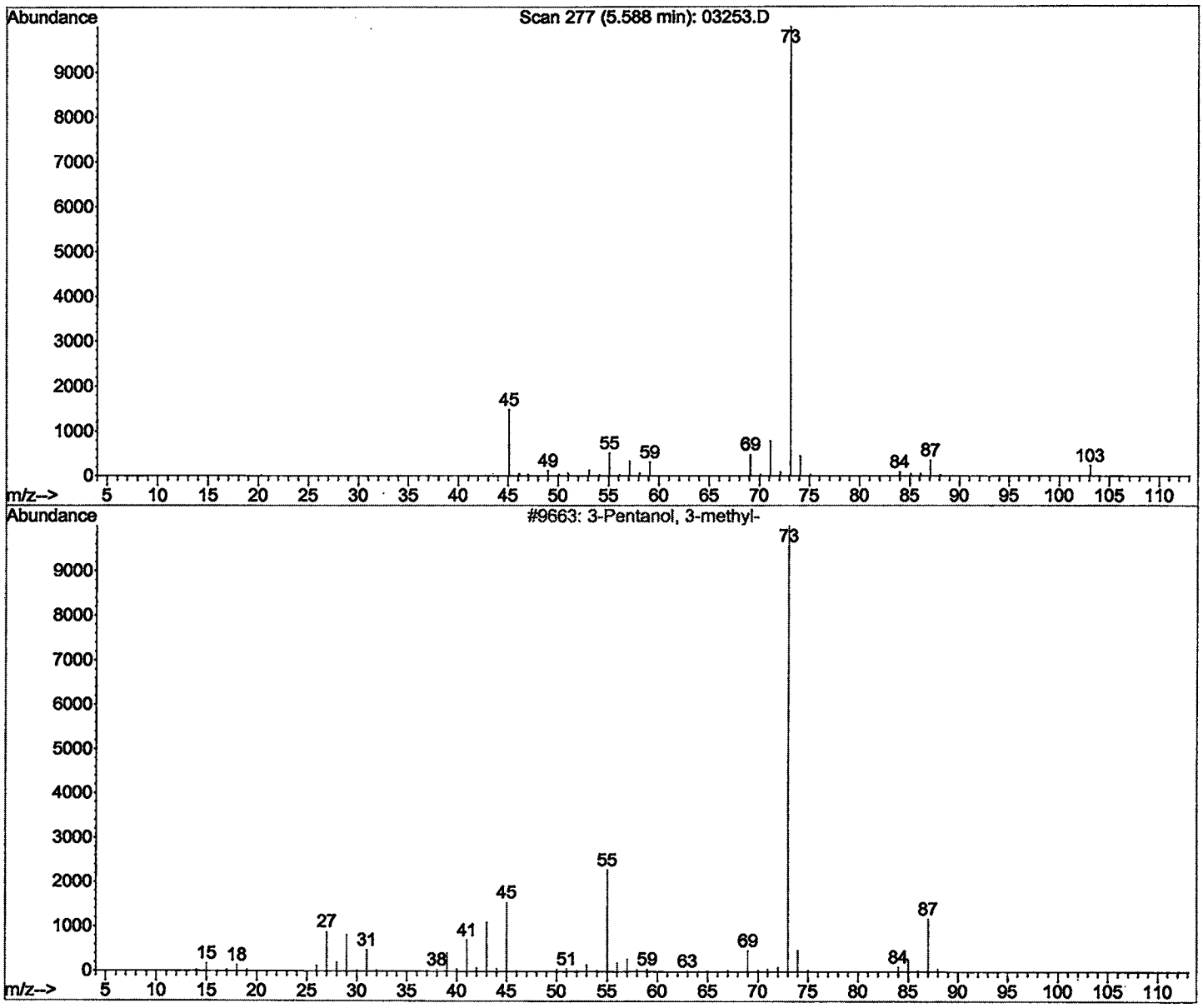
Library Searched : C:\Database\wiley7n.l
Quality : 53
ID : Silane, trichloroeicosyl- $$ Eicosyltrichlorosilane



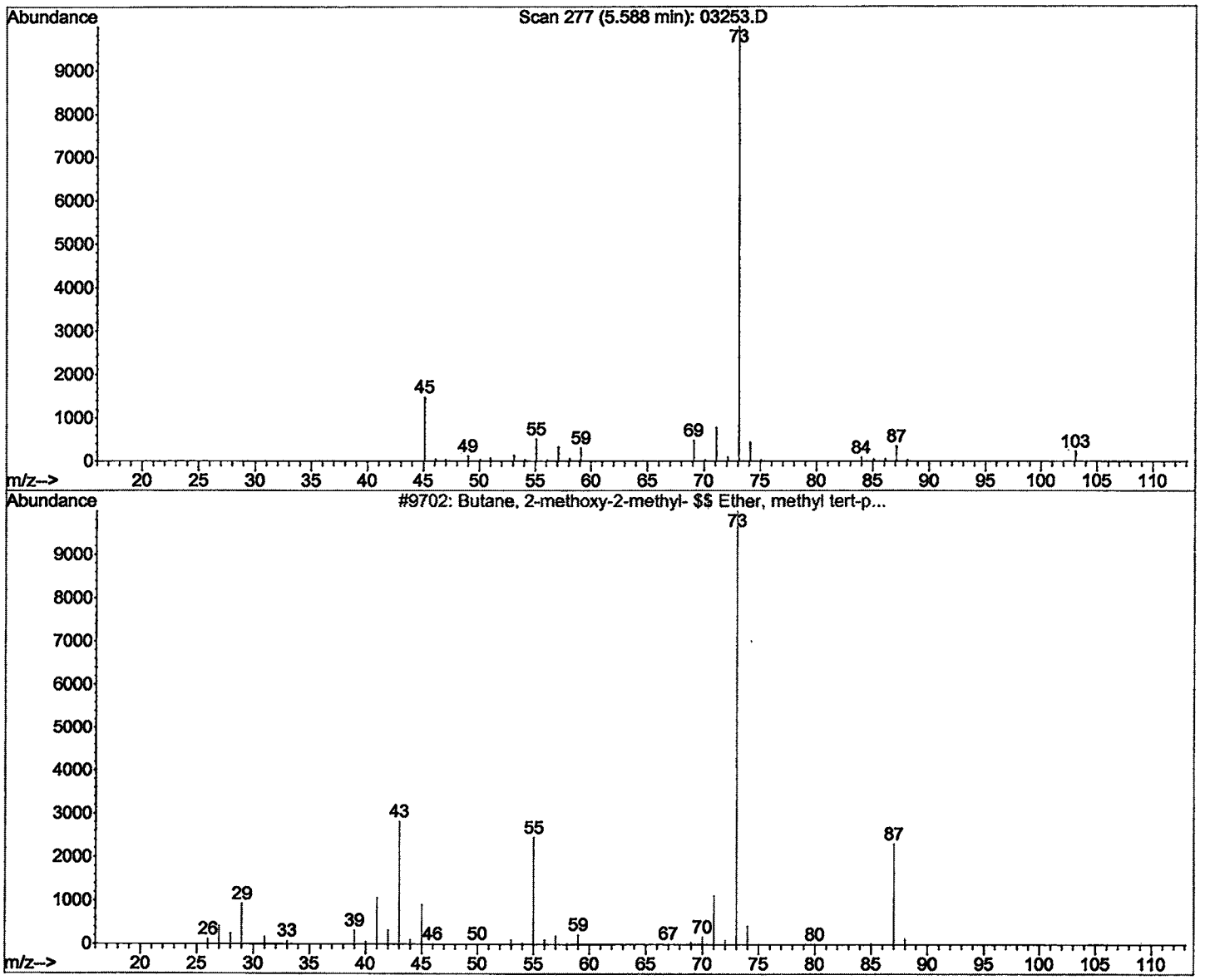
Library Searched : C:\Database\wiley7n.l
Quality : 38
ID : 2,4,6,8-Tetramethyl-1-undecene



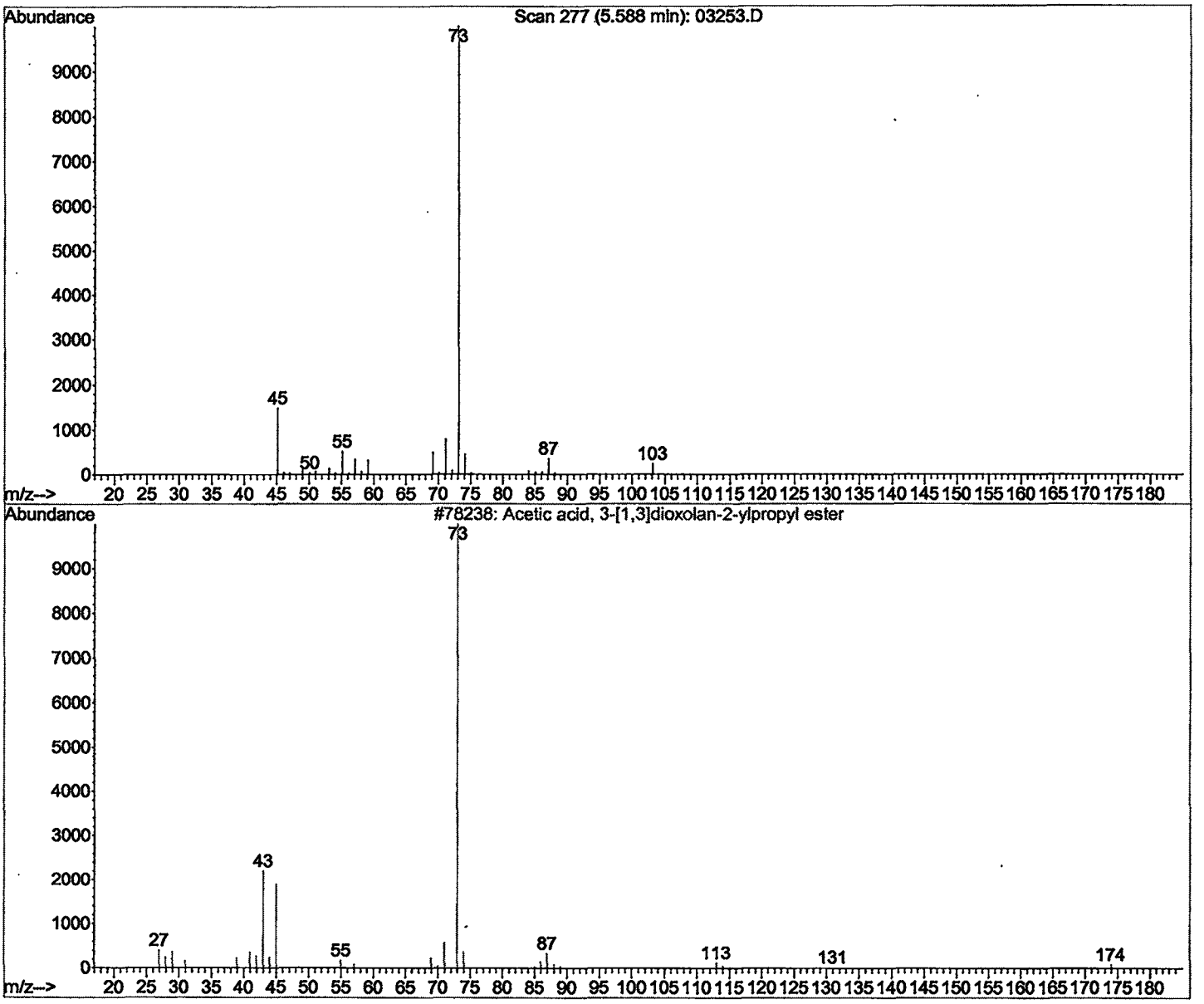
Library Searched : C:\Database\wiley7n.l
Quality : 28
ID : 3-Pentanol, 3-methyl-



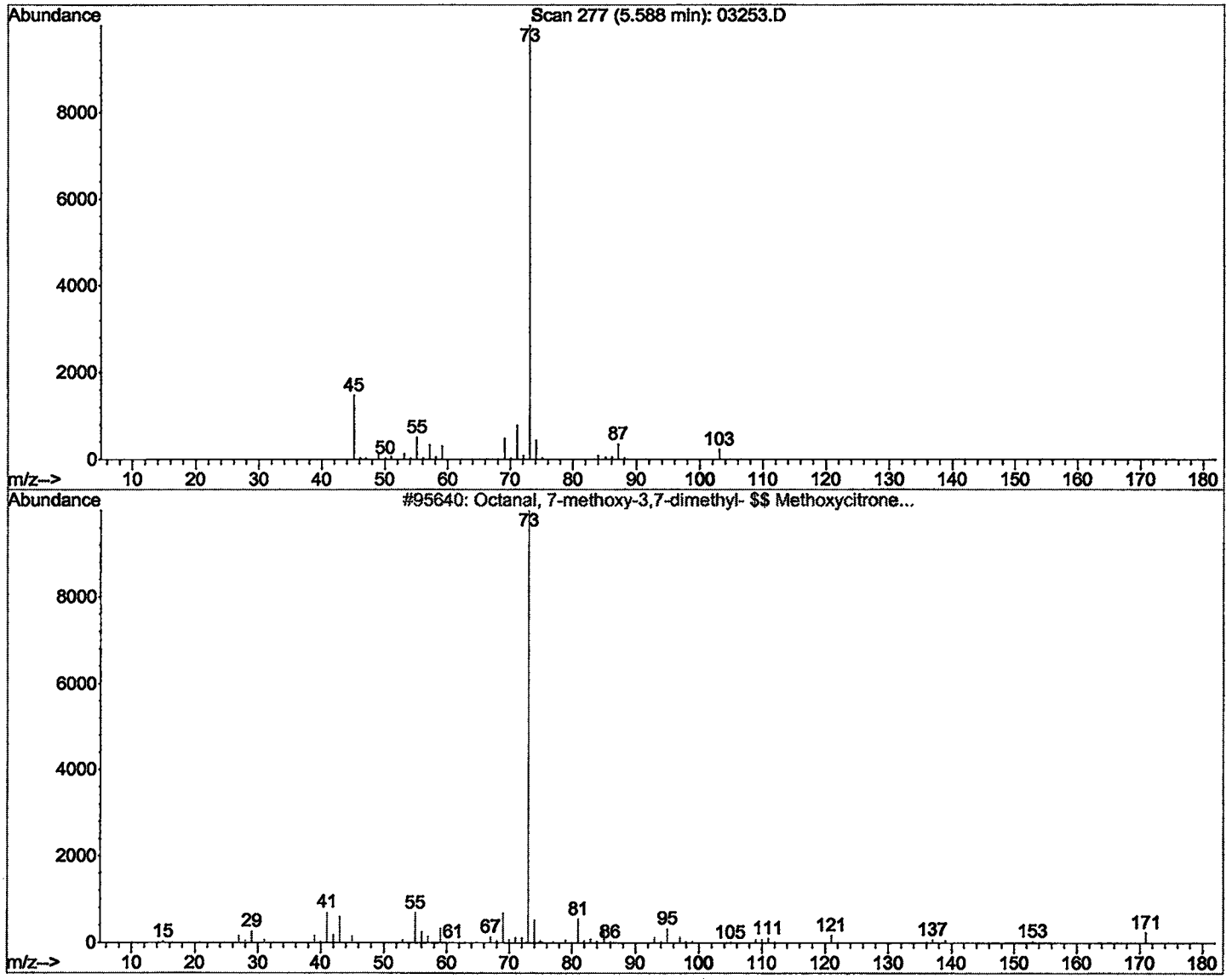
Library Searched : C:\Database\wiley7n.l
Quality : 28
ID : Butane, 2-methoxy-2-methyl- $$ Ether, methyl tert-pentyl $$ tert-Amyl Methyl ether $$ Methyl tert-pentyl ether $$ 1,1-Dimethylpropyl methyl ether $$ 2-Methyl-2-methoxybutane $$ Methyl 2-methyl-2-butyl ether



Library Searched : C:\Database\wiley7n.l
Quality : 9
ID : Acetic acid, 3-[1,3]dioxolan-2-ylpropyl ester



Library Searched : C:\Database\wiley7n.l
Quality : 9
ID : Octanal, 7-methoxy-3,7-dimethyl- $$ Methoxycitronellal $$ 7-Methoxy-3, 7-dimethyloctanal $$ 3,7-Dimethyl-7-methoxy-1-octanal $$ 1-Octanal, 3, 7-dimethyl-7-methoxy- $$ Hydroxycitronellal methyl ether $$ Methoxycitronellal methyl ether



Library Searched : C:\Database\wiley7n.l
Quality : 9
ID : 3-Pentanol, 2,4-dimethyl-