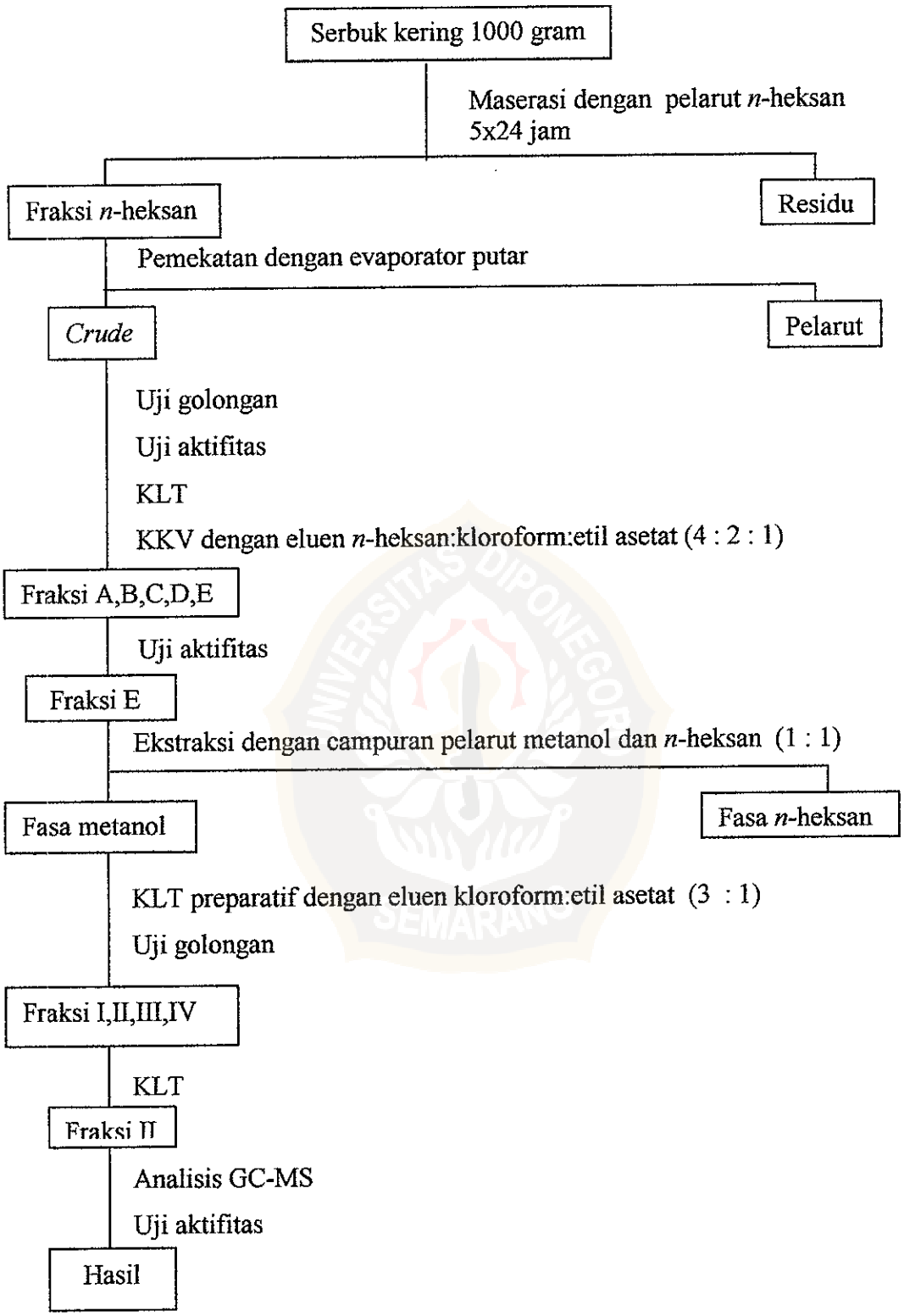
Lampiran A. Skema kerja



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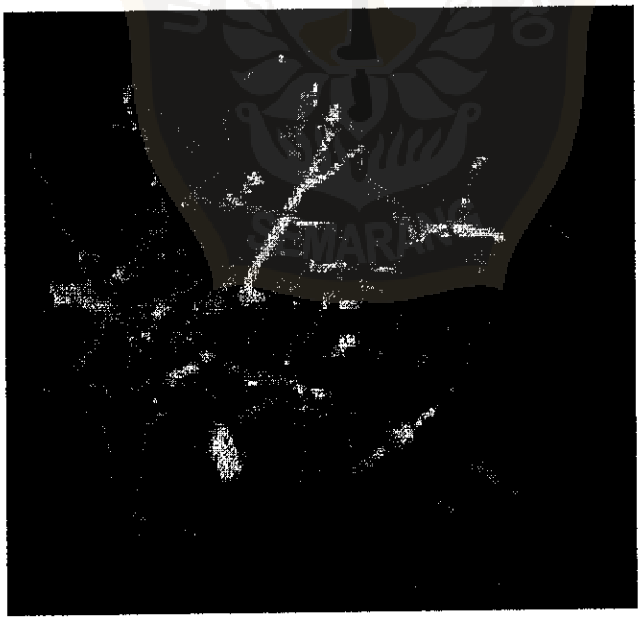
Lampiran B. Gambar tanaman Sidaguri dan akar Sidaguri



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Lampiran C. Hasil uji aktifitas

Sampel	Konsentrasi (ppm)	Jumlah hewan uji	Jumlah hewan mati		
			Percobaan 1	Percobaan 2	Percobaan 3
Ekstrak kasar	100	10	10	10	10
	50		4	5	5
	10		3	1	4
Fraksi A	100	10	5	5	6
	50		5	5	4
	10		4	3	4
Fraksi B	100	10	10	10	9
	50		3	6	6
	10		1	2	3
Fraksi C	100	10	10	9	9
	50		5	5	6
	10		4	1	3
Fraksi D	100	10	10	10	10
	50		8	7	6
	10		3	3	4
Fraksi E	100	10	10	10	10
	50		6	6	10
	10		4	3	3
Fraksi II	100	10	10	10	10
	50		9	8	9
	10		4	4	4
Blanko	100	10	0	0	0
	50		0	0	0
	10		0	0	0

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Lampiran D. Perhitungan rata-rata dan standar deviasi hasil uji aktifitas

Hasil uji aktifitas dianalisis dengan program SPSS menggunakan metode probit dengan selang kepercayaan 95 %.

Sampel	Harga LC_{50} (ppm)			LC_{50} rata-rata (ppm)	Standar deviasi
	Percobaan 1	Percobaan 2	Percobaan 3		
Ekstrak kasar	41,6162	46,2997	31,5455	39,8133	7,5373
Fraksi A	84,6176	84,6246	67,9146	79,0467	9,6446
Fraksi B	54,4757	37,9611	36, 6183	43,0133	9,9447
Fraksi C	31,5455	52,5962	27,1842	37,1033	13,5879
Fraksi D	25,2242	29,0430	27,1842	27,1467	1,9102
Fraksi E	27,1842	29,0429	21,6090	25,9454	3,8687
Fraksi II	16,6344	19,5487	16,6344	17,6058	1,6826

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Lampiran E. Contoh hasil perhitungan uji aktifitas

********** PROBIT ANALYSIS **********

DATA Information

3 unweighted cases accepted.
0 cases rejected because of missing data.
0 cases are in the control group.

MODEL Information

ONLY Normal Sigmoid is requested.

********** PROBIT ANALYSIS **********

Parameter estimates converged after 14 iterations.
Optimal solution found.

Parameter Estimates (PROBIT model: (PROBIT(p)) = Intercept + BX):

	Regression Coeff.	Standard Error	Coeff./S.E.
KONSENTR	,03974	,01236	3,21677

Intercept	Standard Error	Intercept/S.E.
-1,84017	,61188	-3,00741

Pearson Goodness-of-Fit Chi Square = ,399 DF = 1 P = ,527

Since Goodness-of-Fit Chi square is NOT significant, no heterogeneity factor is used in the calculation of confidence limits.

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********** PROBIT ANALYSIS **********

Observed and Expected Frequencies

KONSENTR	Number of Subjects	Observed Responses	Expected Responses	Residual	Prob
100,00	10,0	10,0	9,836	,164	,98359
50,00	10,0	5,0	5,585	-,585	,55846
10,00	10,0	1,0	,745	,255	,07455

–

********** PROBIT ANALYSIS **********

Confidence Limits for Effective KONSENTR

Prob	KONSENTR	95% Confidence Limits Lower	Upper
,01	-12,23236	-101,19289	11,95880
,02	-5,37364	-84,09162	16,67470
,03	-1,02200	-73,30642	19,73180
,04	2,25158	-65,23624	22,07463
,05	4,91437	-58,70500	24,01358
,06	7,18083	-53,17360	25,69164
,07	9,16807	-48,34789	27,18721
,08	10,94741	-44,04893	28,54821
,09	12,56565	-40,15944	29,80622
,10	14,05524	-36,59821	30,98328
,15	20,22253	-22,09713	36,09997
,20	25,12410	-10,95449	40,54892
,25	29,32921	-1,78747	44,75808
,30	33,10554	6,02536	48,95748
,35	36,60486	12,81346	53,30050
,40	39,92538	18,77593	57,90039
,45	43,13801	24,05308	62,84243
,50	46,29972	28,76197	68,19071
,55	49,46142	33,01261	73,99723
,60	52,67406	36,91316	80,31587
,65	55,99457	40,57084	87,22054
,70	59,49390	44,09402	94,82849
,75	63,27022	47,59948	103,33526

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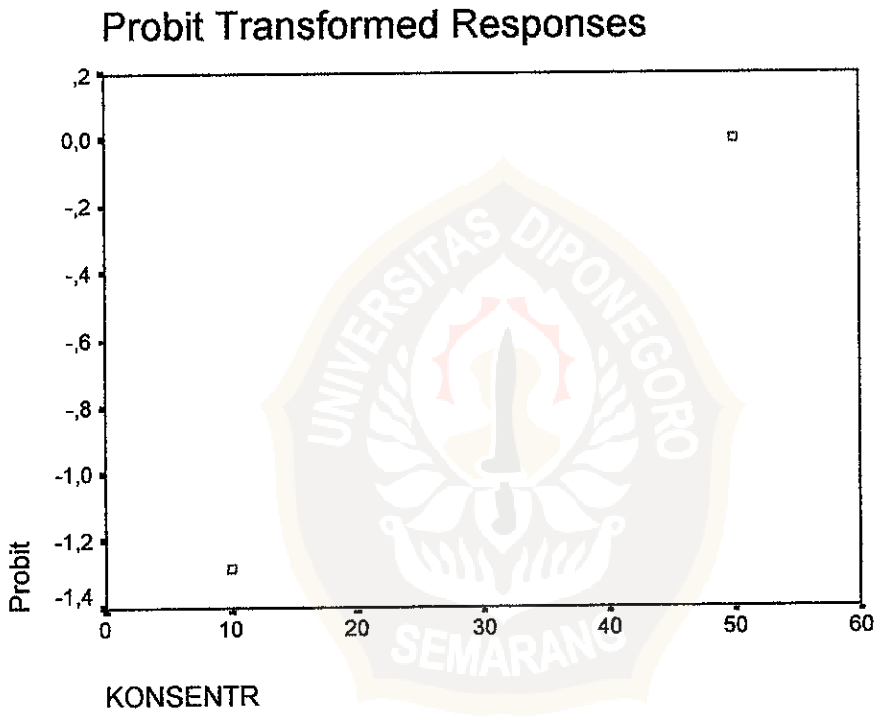
,80	67,47533	51,23011	113,08081
,85	72,37690	55,19746	124,70505
,90	78,54420	59,90646	139,61382
,91	80,03378	61,00840	143,25017
,92	81,65202	62,19277	147,21330
,93	83,43136	63,48118	151,58485
,94	85,41860	64,90472	156,48259
,95	87,68506	66,51063	162,08614
,96	90,34785	68,37624	168,69072
,97	93,62143	70,64281	176,83716
,98	97,97307	73,61726	187,70501
,99	104,83179	78,23455	204,90488



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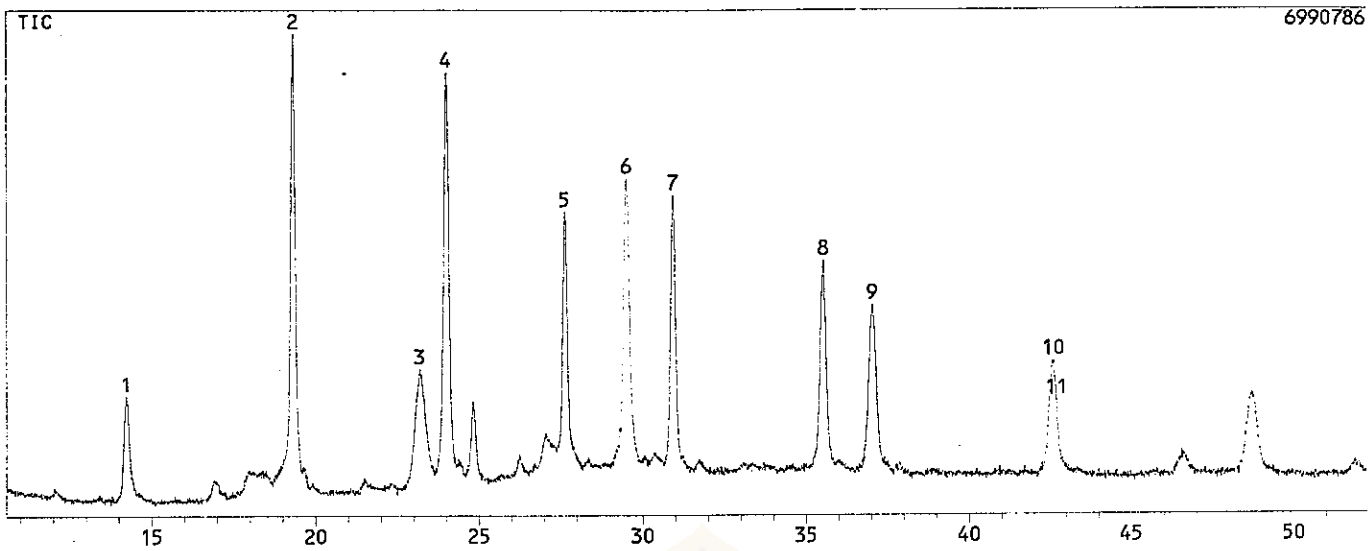
Lampiran F. Kromatogram dan spektogram senyawa fraksi II

```
*** CLASS-5000 ***  Report No. =   1 Data : IHSAN.D01  04/08/10 12:17:18
Sample           : AKAR SIDOGURI, IHSANUDDIN
Method File Name : IHSAN.MET
```



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*** CLASS-5000 *** Report No. = 1 Data : IHSAN.D01 04/08/10 12:17:18
Sample : AKAR SIDOGURI, IHSANUDDIN
ID :
Operator : POY
Method File Name : IHSAN.MET

**** Peak Report ****

PKNO	R.Time	I.Time - F.Time	Area	Height	A/H(sec)	MK	%Total	Name
1	14.230	14.117 - 14.375	8428139	985078	8.556		3.14	
2	19.309	19.142 - 19.525	48886168	5349706	9.138		18.20	
3	23.188	22.992 - 23.300	6730357	617704	10.896		2.51	
4	23.985	23.800 - 24.242	52382073	4862088	10.774		19.50	
5	27.628	27.475 - 27.808	26042338	2933135	8.879		9.70	
6	29.503	29.333 - 29.750	37180846	3261819	11.399		13.84	
7	30.916	30.750 - 31.158	32748302	3312724	9.886		12.19	
8	35.529	35.375 - 35.692	20916478	2132122	9.810		7.79	
9	37.038	36.833 - 37.292	26155363	1871480	13.976		9.74	
10	42.605	42.475 - 42.692	7662789	847071	9.046		2.85	
11	42.700	42.692 - 42.833	1453280	515368	2.820	V	0.54	
Total			268586132				100.00	

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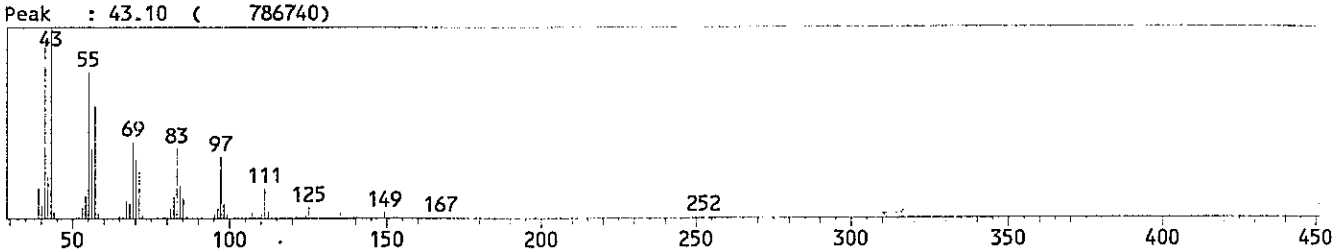
Scan # : 1239 B.G. Scan # : 1483
Base Peak : 43.10 (786740)



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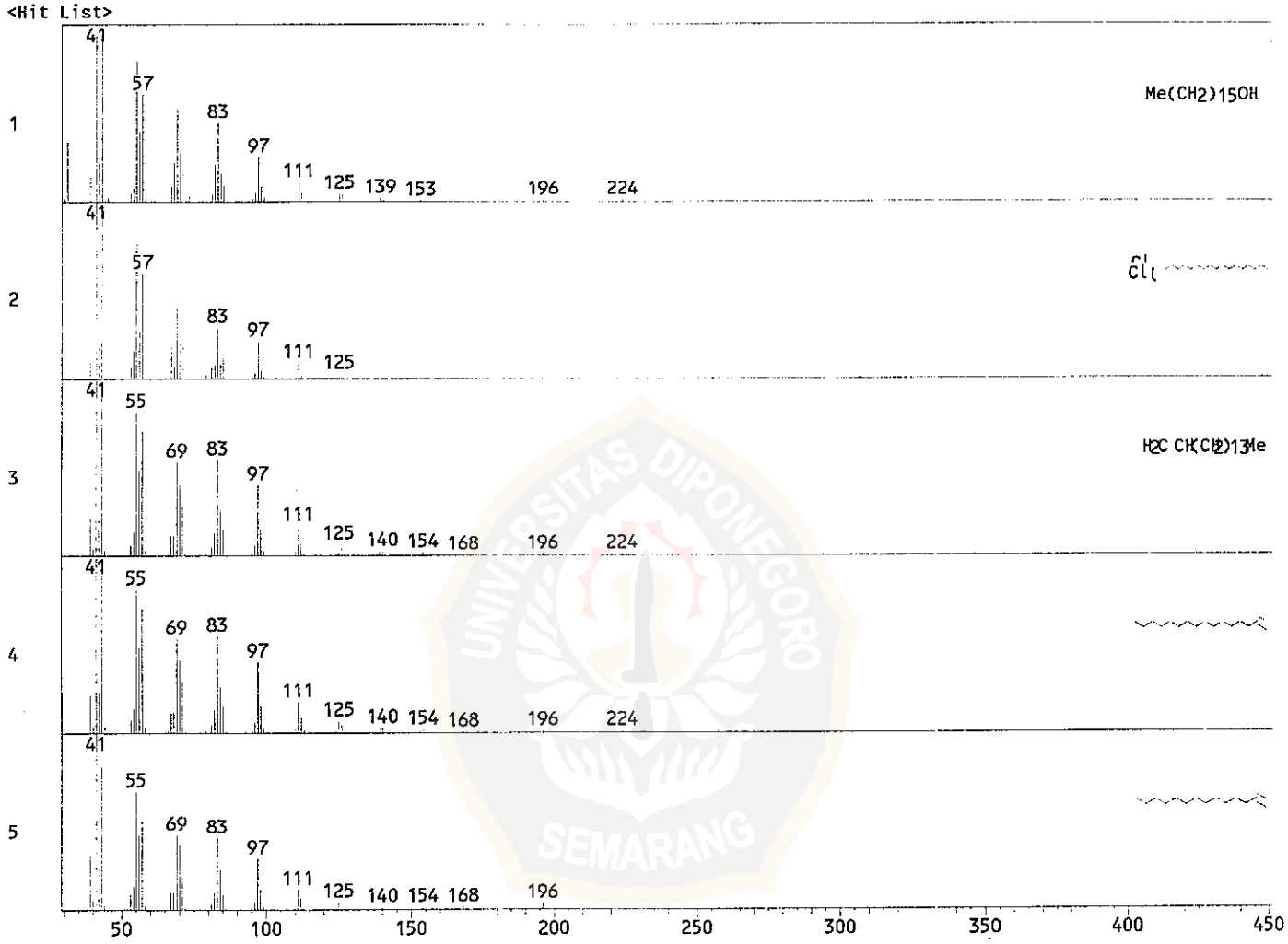

No	SI	Mol.Wgt.	Mol.Form./Compound Name	CAS No.	Entry	LIB#
1	95	242	$C_{16}H_{34}O$	36653-82-4	103304	3
			1-Hexadecanol (CAS) Cetal $$ Ethal $$ Ethol $$ Cetanol $$ Cetylol $$ Adol 52 $$ Lanol			
2	94	414	$C_{20}H_{41}Cl_3Si$	18733-57-8	54853	2
			Silane, trichloroeicosyl- $$ Eicosyltrichlorosilane			
3	94	224	$C_{16}H_{32}$	629-73-2	88679	3
			1-Hexadecene (CAS) Cetene $$ 1-Cetene $$ n-Hexadec-1-ene $$ .alpha.-Hexadecene $$ HEX			
4	94	224	$C_{16}H_{32}$	629-73-2	8488	1
			1-Hexadecene			
5	94	196	$C_{14}H_{28}$	1120-36-1	7296	1
			1-Tetradecene			

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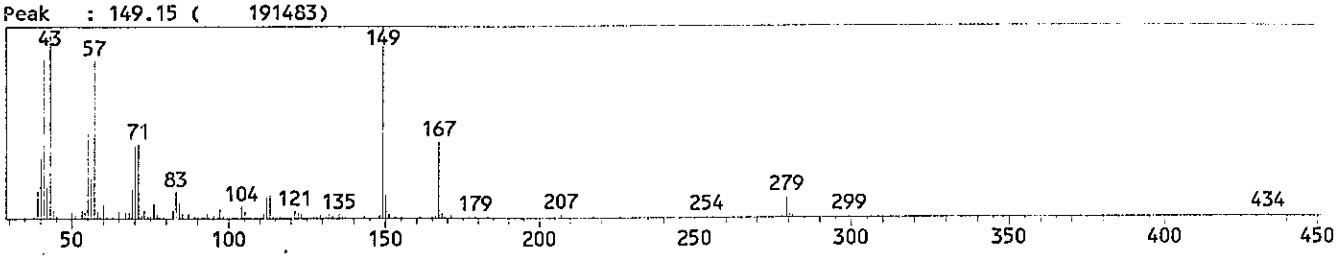
Scan # : 1704 B.G. Scan # : 1475
Base Peak : 149.15 (191483)



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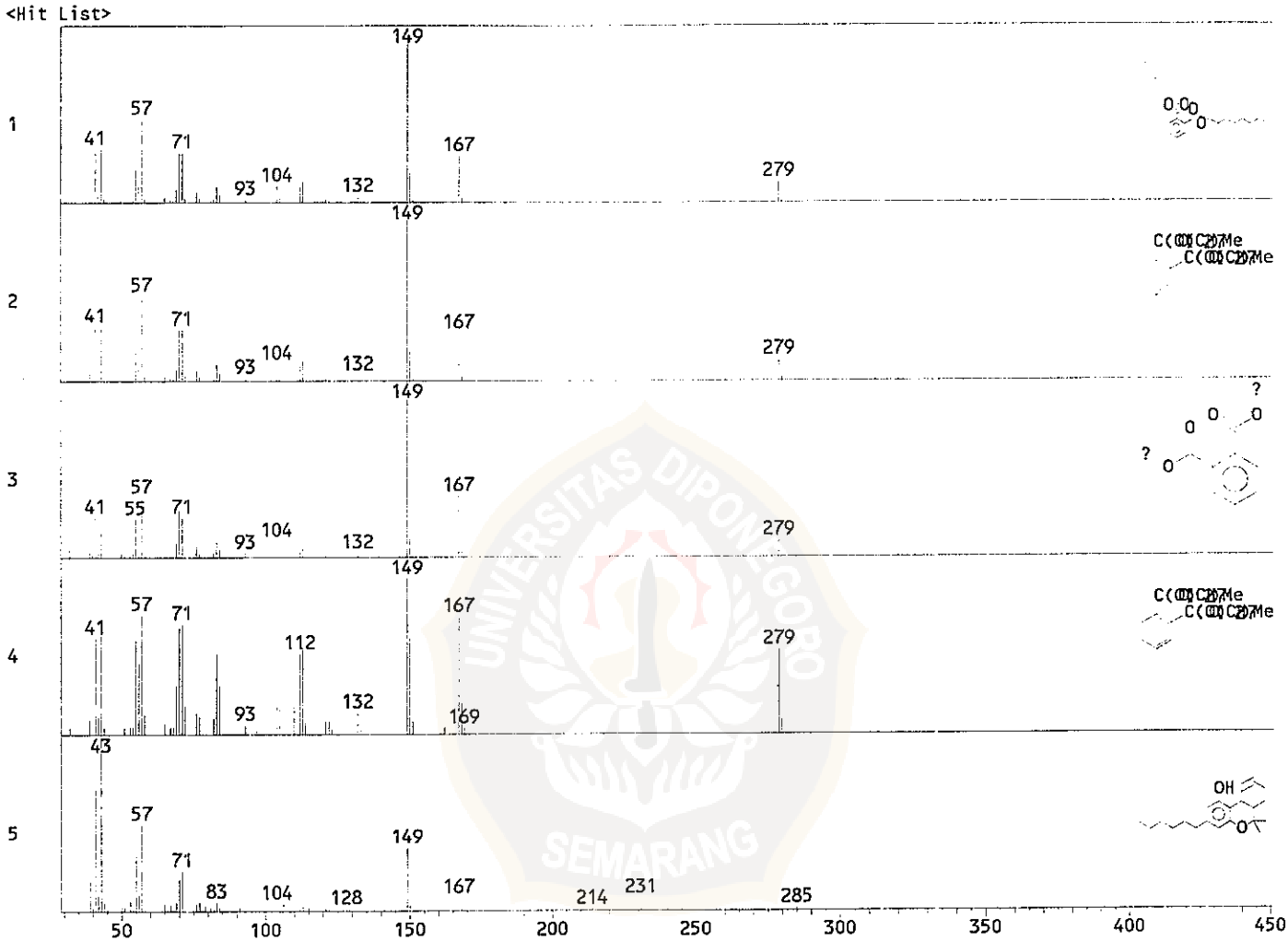

No	SI	Mol.Wgt.	Mol.Form./Compound Name	CAS No.	Entry	LIB#
1	84	390	$C_{24}H_{38}O_4$ Di-n-octyl phthalate	117-84-0	11937	1
2	84	390	$C_{24}H_{38}O_4$ 1,2-Benzenedicarboxylic acid, dioctyl ester (CAS) Dioctyl phthalate $$ Dinopol NOP $$	117-84-0	190624	3
3	82	390	$C_{24}H_{38}O_4$ 1,2-Benzenedicarboxylic acid, diisooctyl ester $$ Diisooctyl phthalate $$ Hexaplas M/	27554-26-3	53134	2
4	81	390	$C_{24}H_{38}O_4$ 1,2-Benzenedicarboxylic acid, dioctyl ester (CAS) Dioctyl phthalate $$ Dinopol NOP $$	117-84-0	190626	3
5	80	328	$C_{22}H_{32}O_2$ 6H-Dibenzo b,d pyran-1-ol, 3-hexyl-6a,7,8,10a-tetrahydro-6,6,9-trimethyl-, (6aR-trans	36482-24-3	46684	2

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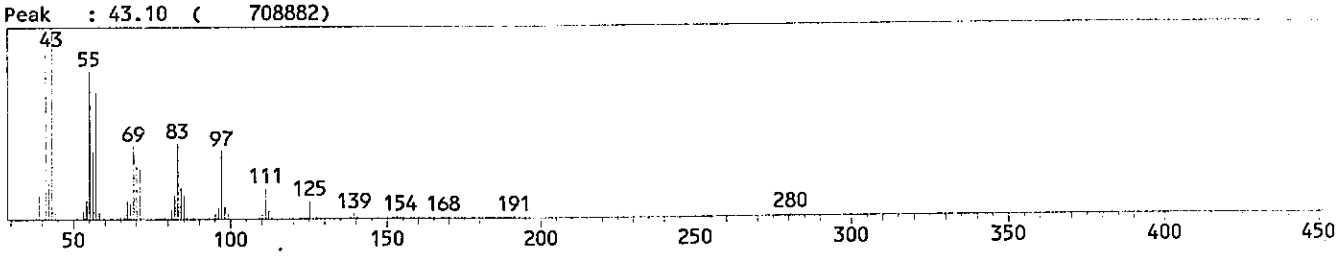
Scan # : 1800 B.G. Scan # : 2039
Base Peak : 43.10 (708882)



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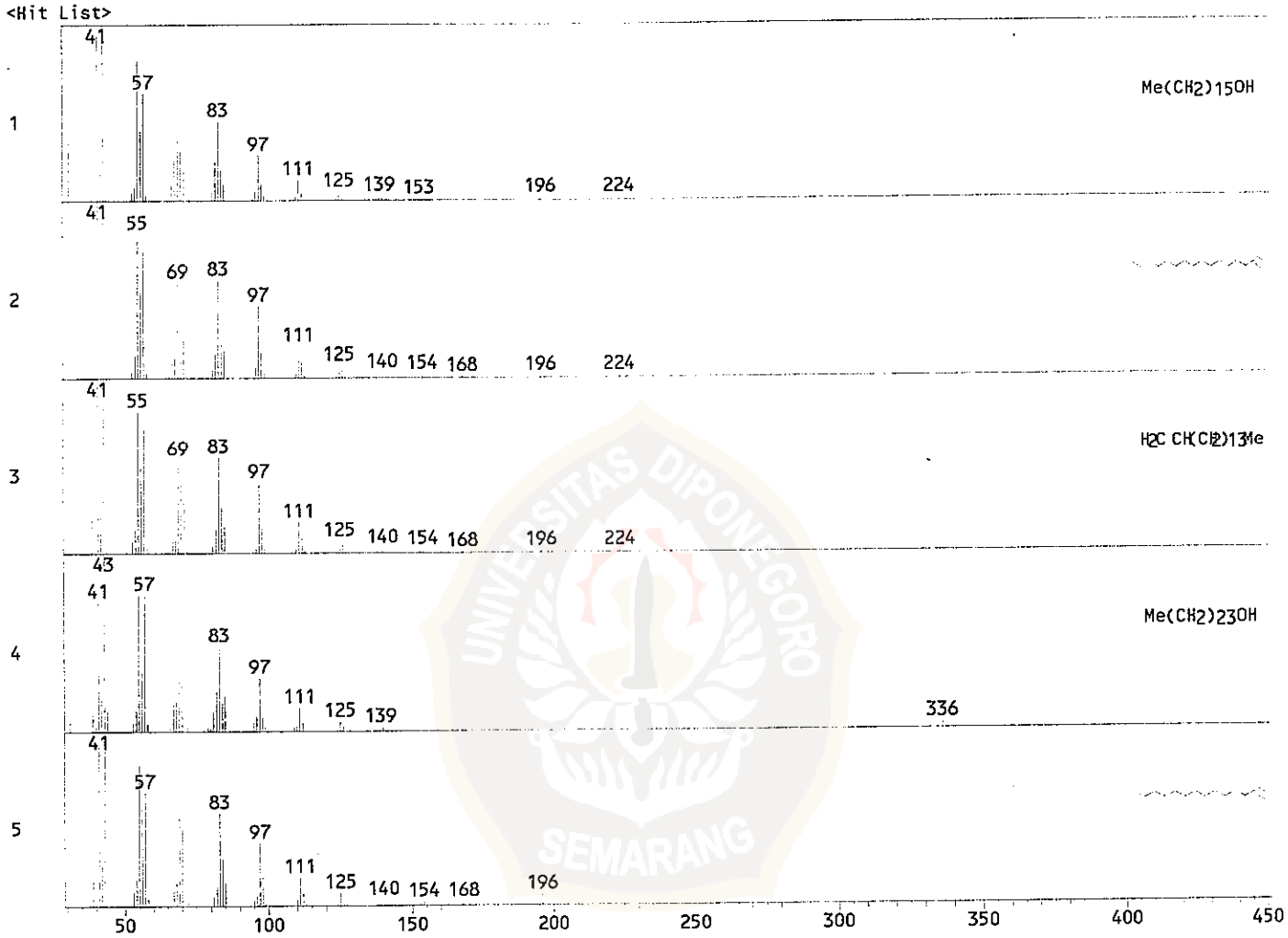

No	SI	Mol.Wgt.	Mol.Form./Compound Name	CAS No.	Entry	LIB#
1	94	242	$C_{16}H_{34}O$	36653-82-4	103304	3
			1-Hexadecanol (CAS) Cetal $$ Ethal $$ Ethol $$ Cetanol $$ Cetylol $$ Adol 52 $$ Lanol			
2	94	224	$C_{16}H_{32}$	629-73-2	8488	1
			1-Hexadecene			
3	94	224	$C_{16}H_{32}$	629-73-2	88679	3
			1-Hexadecene (CAS) Cetene $$ 1-Cetene $$ n-Hexadec-1-ene $$ .alpha.-Hexadecene $$ HEX			
4	94	354	$C_{24}H_{50}O$	506-51-4	176133	3
			1-Tetracosanol (CAS) TETRACOSANOL $$ Lignocerol $$ n-Tetracosanol $$ Lignoceric alcoh			
5	94	196	$C_{14}H_{28}$	1120-36-1	7297	1
			1-Tetradecene			

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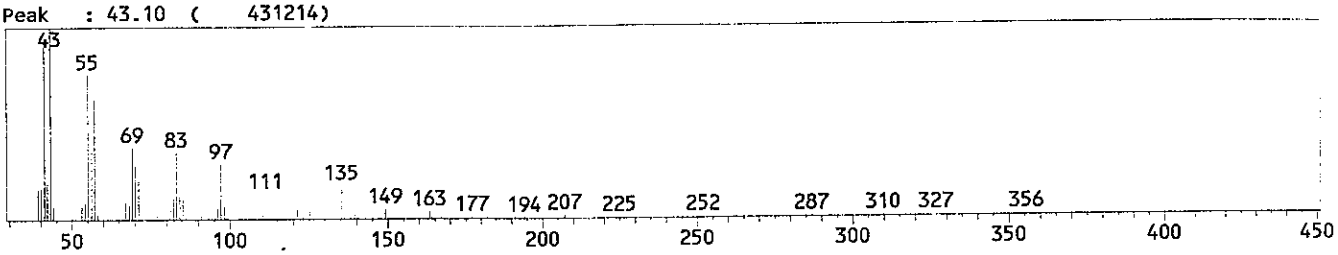
Scan # : 2237 B.C. Scan # : 2105
Base Peak : 43.10 (431214)



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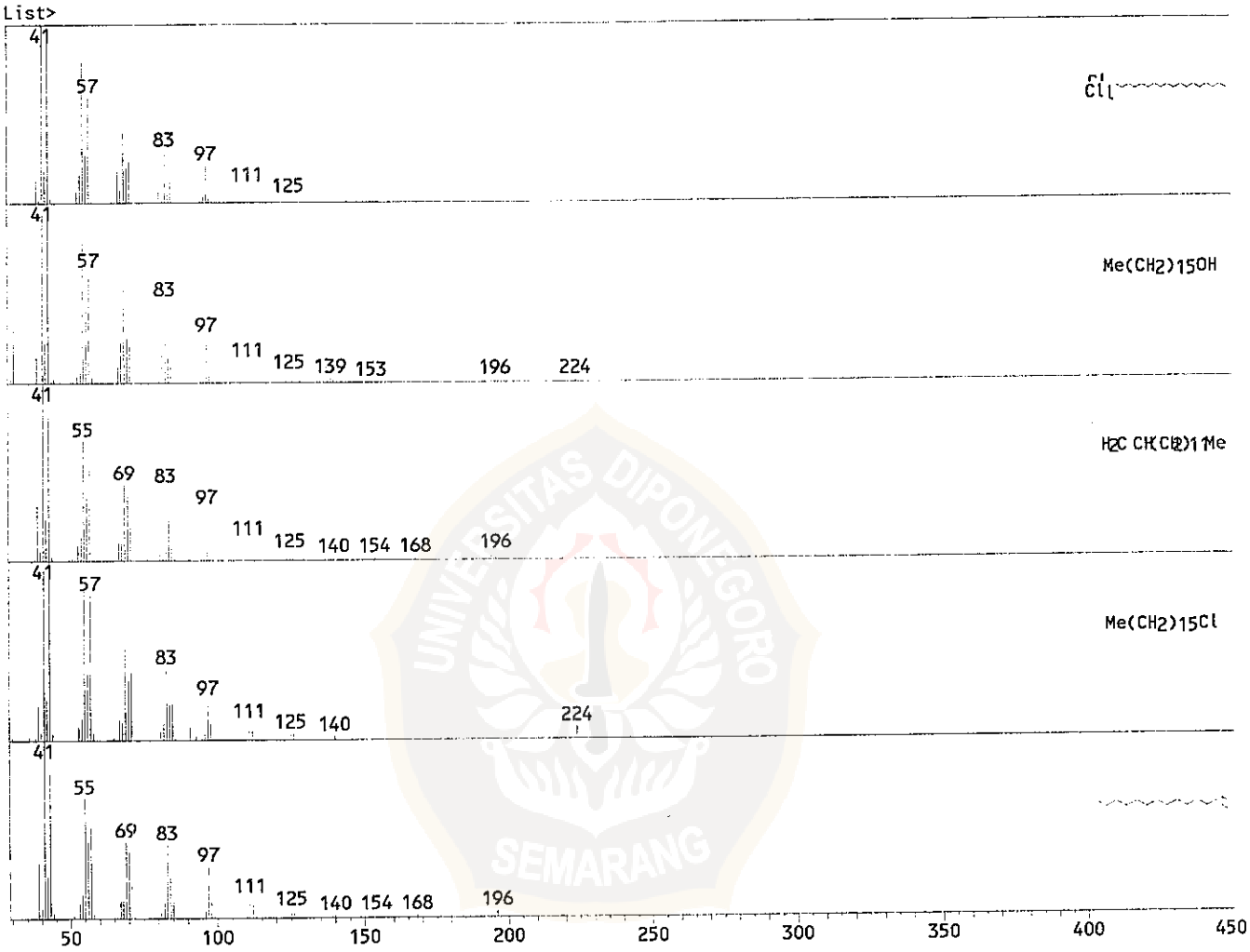

No	SI	Mol.Wgt.	Mol.Form./Compound Name	CAS No.	Entry	LIB#
1	92	414	$C_{20}H_{41}Cl_3Si$ Silane, trichloroeicosyl- $$ Eicosyltrichlorosilane	18733-57-8	54853	2
2	91	242	$C_{16}H_{34}O$ 1-Hexadecanol (CAS) Cetal $$ Ethal $$ Ethol $$ Cetanol $$ Cetylol $$ Adol 52 $$ Lanol	36653-82-4	103304	3
3	91	196	$C_{14}H_{28}$ 1-Tetradecene (CAS) n-Tetradec-1-ene $$ .alpha.-Tetradecene $$ 1-Butadecene $$ Dialen	1120-36-1	64403	3
4	91	260	$C_{16}H_{33}CL$ Hexadecane, 1-chloro- (CAS) 1-Chlorohexadecane $$ Cetyl chloride $$ Hexadecyl chlorid	4860-03-1	116969	3
5	91	196	$C_{14}H_{28}$ 1-Tetradecene	1120-36-1	7296	1

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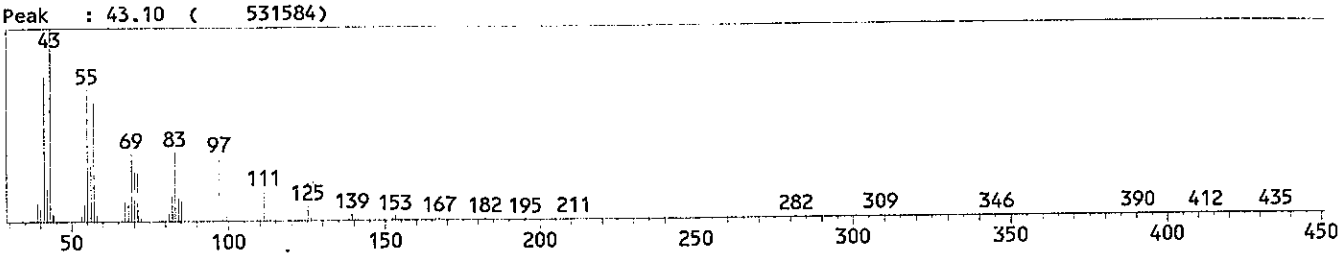
Scan # : 2462 B.G. Scan # : 2362
Base Peak : 43.10 (531584)



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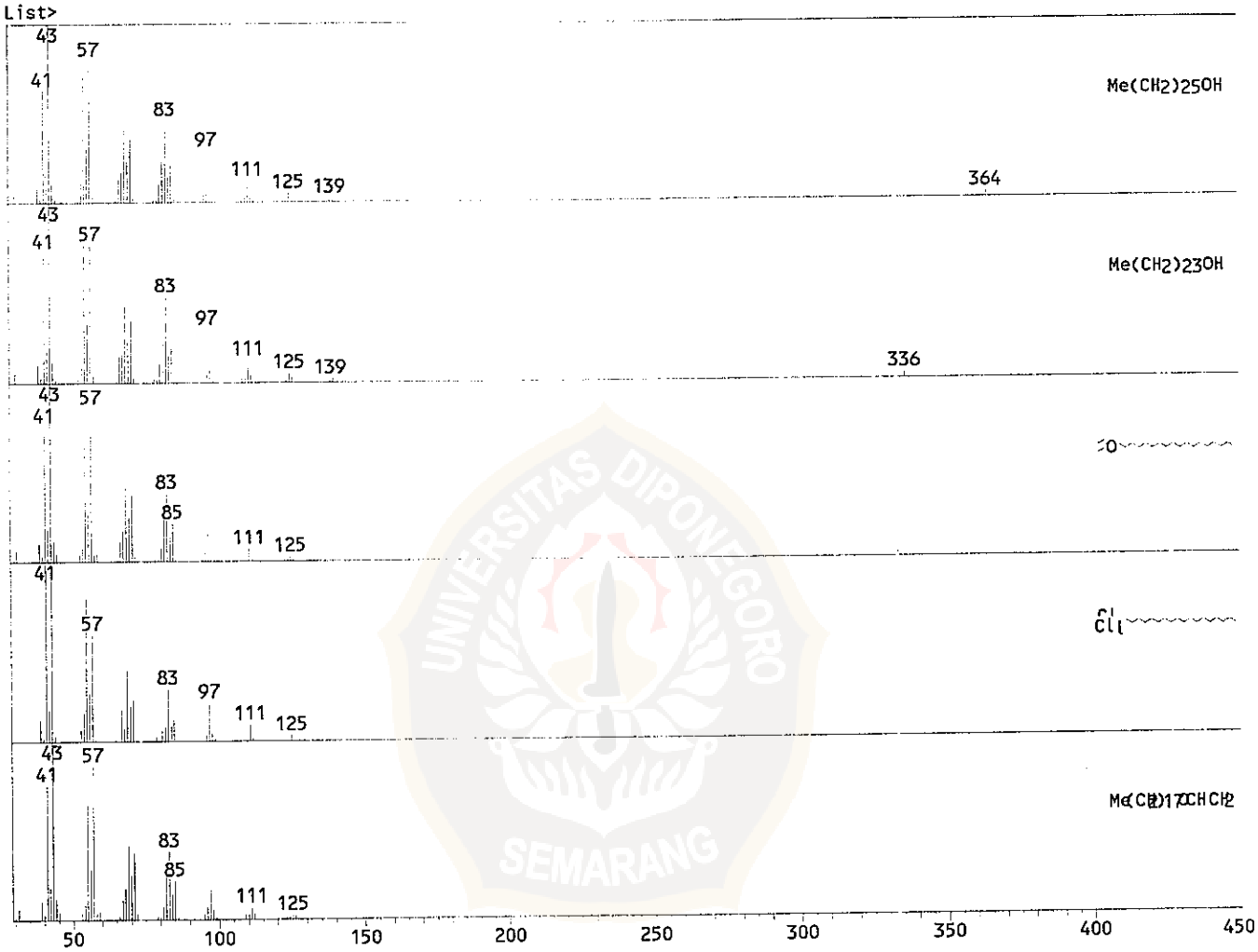

No	SI	Mol.Wgt.	Mol.Form./Compound Name	CAS No.	Entry	LIB#
1	94	382	$C_{26}H_{54}O$	506-52-5	187554	3
			1-Hexacosanol (CAS) HEXACOSANOL-1 $$ n-Hexacosanol $$ Ceryl alcohol $$ Cerylic alcoho			
2	93	354	$C_{24}H_{50}O$	506-51-4	176133	3
			1-Tetracosanol (CAS) TETRACOSANOL $$ Lignocerol $$ n-Tetracosanol $$ Lignoceric alcoh			
3	93	296	$C_{20}H_{40}O$	930-02-9	42184	2
			Octadecane, 1-(ethenyloxy)- $$ Ether, octadecyl vinyl $$ Octadecyl vinyl ether $$ Ste			
4	93	414	$C_{20}H_{41}Cl_3Si$	18733-57-8	54853	2
			Silane, trichloroeicosyl- $$ Eicosyltrichlorosilane			
5	93	296	$C_{20}H_{40}O$	930-02-9	143008	3
			Octadecane, 1-(ethenyloxy)- (CAS) Octadecyl vinyl ether $$ Vinyl stearyl ether $$ Ste			

Library Name
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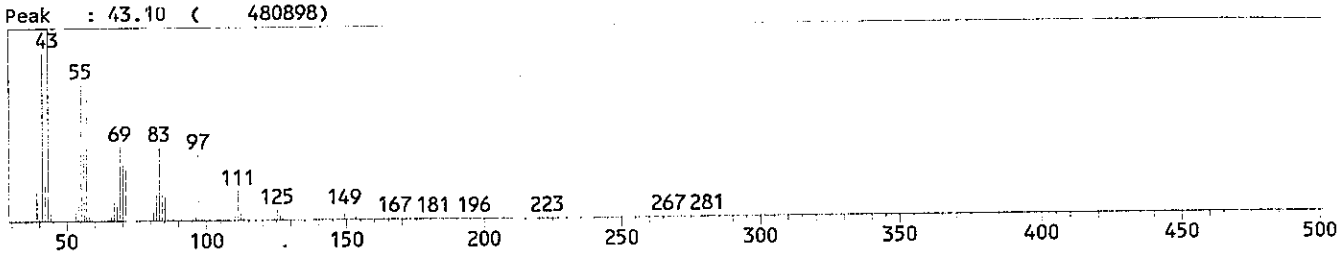
Scan # : 2631 B.G. Scan # : 2852
Base Peak : 43.10 (480898)



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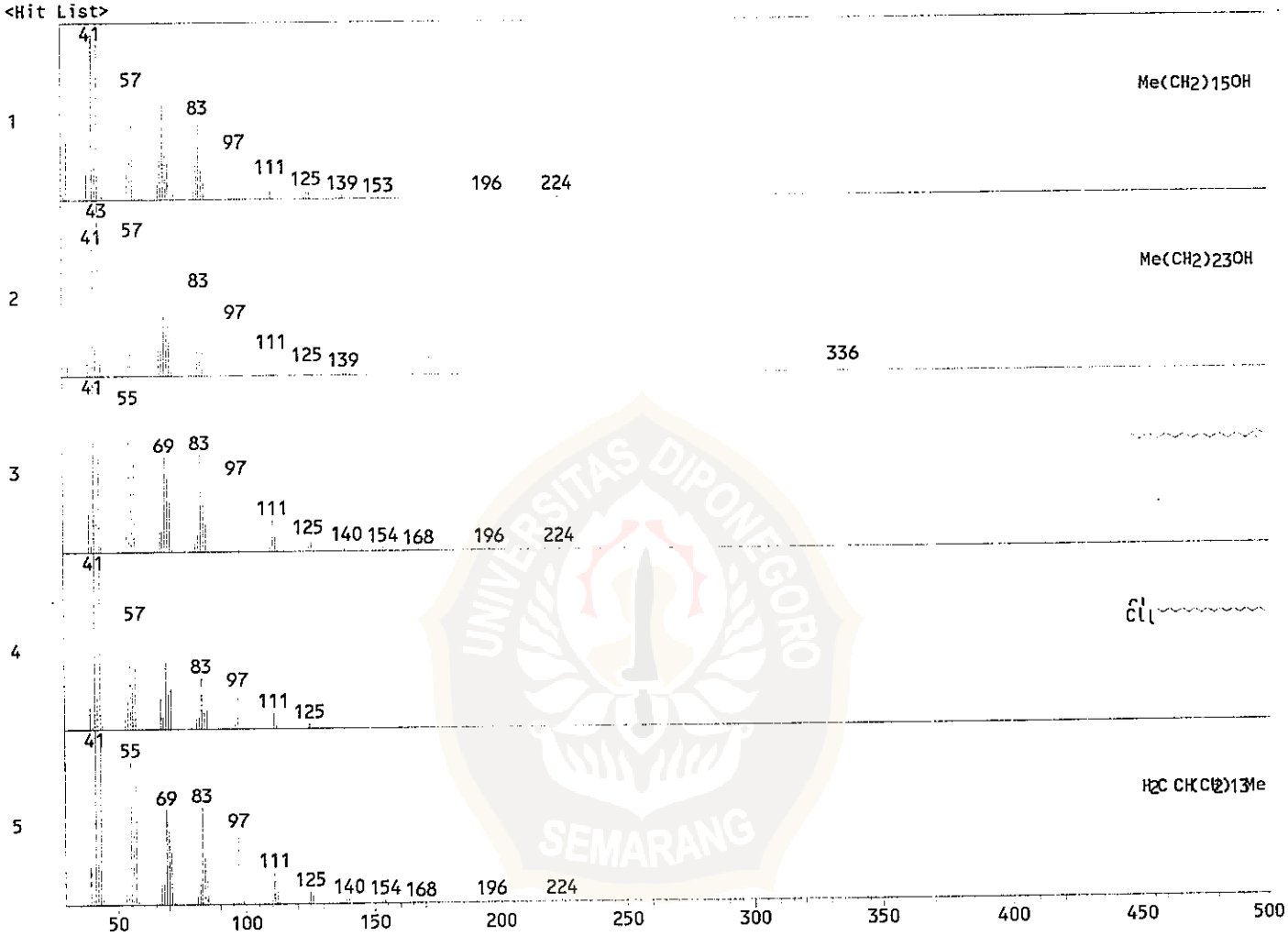

No	SI	Mol.Wgt.	Mol.Form./Compound Name	CAS No.	Entry	LIB#
1	94	242	$C_{16}H_{34}O$	36653-82-4	103304	3
			1-Hexadecanol (CAS) Cetal $$ Ethal $$ Ethol $$ Cetanol $$ Cetylol $$ Adol 52 $$ Lanol			
2	94	354	$C_{24}H_{50}O$	506-51-4	176133	3
			1-Tetracosanol (CAS) TETRACOSANOL $$ Lignocerol $$ n-Tetracosanol $$ Lignoceric alcoh			
3	94	224	$C_{16}H_{32}$	629-73-2	8488	1
			1-Hexadecene			
4	94	414	$C_{20}H_{41}Cl_3Si$	18733-57-8	54853	2
			Silane, trichloroeicosyl- $$ Eicosyltrichlorosilane			
5	94	224	$C_{16}H_{32}$	629-73-2	88679	3
			1-Hexadecene (CAS) Cetene $$ 1-Cetene $$ n-Hexadec-1-ene $$ .alpha.-Hexadecene $$ HEX			

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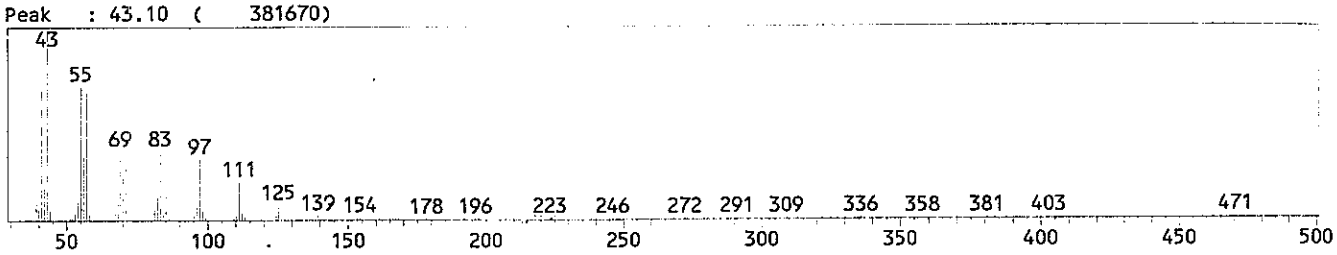
<Unknown Spectrum>
Data : IHSAN.D01
Mass Peak # : 81 Ret. Time : 35.533
Scan # : 3185 B.G. Scan # : 2993
Base Peak : 43.10 (381670)



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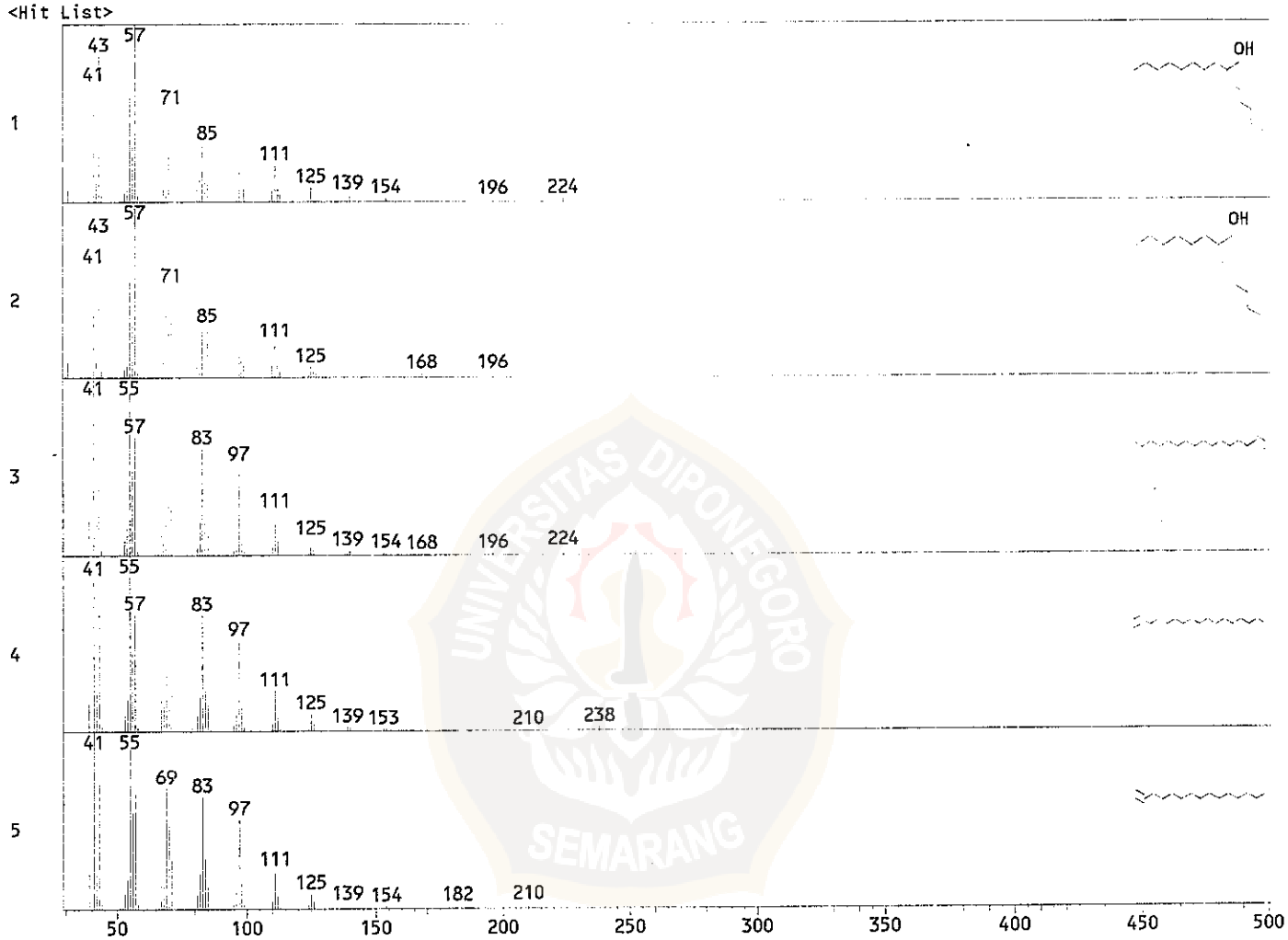

No	SI	Mol.Wgt.	Mol.Form./Compound Name	CAS No.	Entry	LIB#
1	92	242	$C_{16}H_{34}O$ 2-Hexyl-1-decanol	- -0	32422	2
2	91	214	$C_{14}H_{30}O$ 2-Hexyl-1-octanol	- -0	26413	2
3	90	224	$C_{16}H_{32}$ 1-Hexadecene $$ .alpha.-Hexadecene $$ n-Hexadec-1-ene $$ Cetene $$ 1-Cetene $$ Hexade	629-73-2	28779	2
4	89	238	$C_{17}H_{34}$ 1-Heptadecene $$ Hexahydroaplotaxene	6765-39-5	31657	2
5	89	210	$C_{15}H_{30}$ 1-Pentadecene	13360-61-7	7957	1

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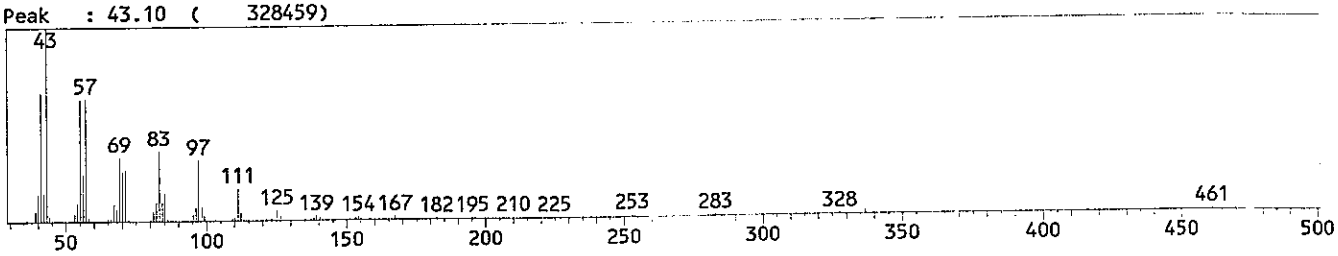
<Unknown Spectrum>
Data : IHSAN.D01
Mass Peak # : 77 Ret. Time : 37.042
Scan # : 3366 B.G. Scan # : 3656
Base Peak : 43.10 (328459)



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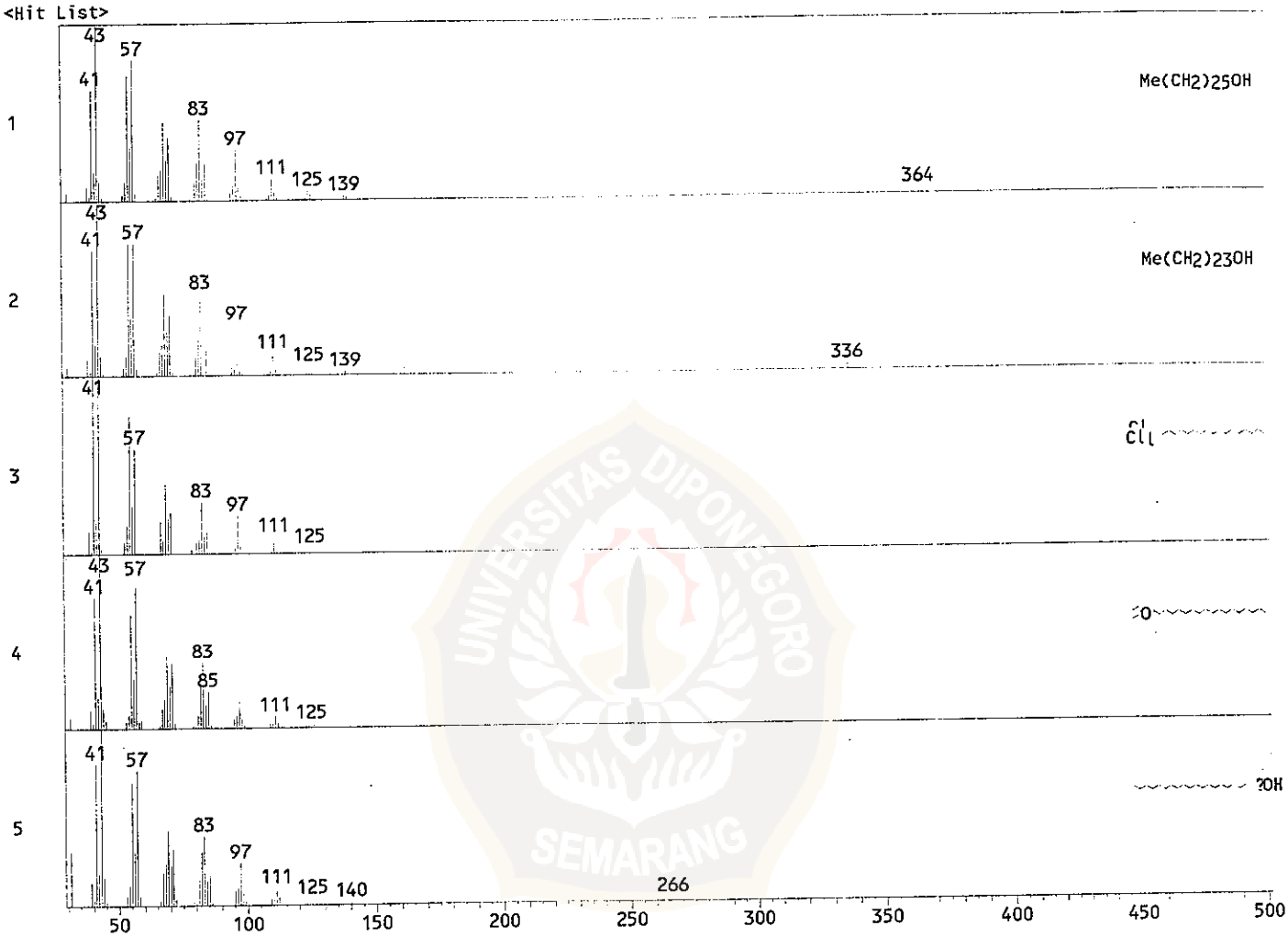

No	SI	Mol.Wgt.	Mol.Form./Compound Name	CAS No.	Entry	LIB#
1	93	382	$C_{26}H_{54}O$	506-52-5	187554	3
			1-Hexacosanol (CAS) HEXACOSANOL-1 $$ n-Hexacosanol $$ Ceryl alcohol $$ Cerylic alcoho			
2	93	354	$C_{24}H_{50}O$	506-51-4	176133	3
			1-Tetracosanol (CAS) TETRACOSANOL $$ Lignocerol $$ n-Tetracosanol $$ Lignoceric alcoh			
3	92	414	$C_{20}H_{41}Cl_3Si$	18733-57-8	54853	2
			Silane, trichloroeicosyl- $$ Eicosyltrichlorosilane			
4	92	296	$C_{20}H_{40}O$	930-02-9	42184	2
			Octadecane, 1-(ethenyloxy)- $$ Ether, octadecyl vinyl $$ Octadecyl vinyl ether $$ Ste			
5	92	284	$C_{19}H_{40}O$	52783-43-4	40237	2
			Nonadecanol			

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