921969

US EPA RECORDS CENTER REGION 5

497220

SAMPLING DATA

PAGE 2 REDACTED

Exemption 4,
Deliberative Process
5 U.S.C. §552(b)(4)
Confidential Business Information

DATA CHEM LABORATORIES

FAX TRANSMITTAL COVER SHEET

DATE: 6/5/91

TO: Jane Malkin

FROM: DCL

COMPANY: Ecology + Environment

NUMBER OF PAGES: 2
(Including this page)

ADDITIONAL INFORMATION:

FAX OPERATOR: _____

If you do not receive all of the transmission, please call (513) 733-5336.

4388 Glendale-Milford Road/Cincinnati, Ohio 45242 513-733-5336/FAX: 513-733-5347

A SORENSON COMPANY

PAGE 4 REDACTED

Exemption 4,
Deliberative Process
5 U.S.C. §552(b)(4)
Confidential Business Information

NATIONAL ENVIRONMENTAL TESTING, INC.

Bartlett Division
850 West Bartlett Road
Bartlett, IL 60103

Tel: (708) 289-3100
Fax: (708) 289-5445

FAX TRANSMISSION NOTICE

Date: 6/4/91

To: Jane Malkin

Company: E&E FAX NO:

Sender: Diane Billings

You should receive 3 pages, including this notice. If you don't receive all pages, please call the sender immediately. This transmission includes:

- ____ letter/memo
- ____ other
- ____ project notes (Project ID: _____)
- ____ analytical report(s):
  - Sample No(s): _____ _____ _____

Comments: Please call back with specifics - CLP needed? OK that we're not inorganic CLP lab? We're not open Sat. - can shipment wait until Mon?

dab/faxtg.frm

RCV BY:REGION 05 CHICAGO, IL ; 6- 4-91 3:23AM ; 7082895445→ 3122013827;# 1
SENT BY:NET MIDWEST ; 6- 4-91 ; 15:28 ; NET BARTLETT→ 3122013827;# 1/ 3

PAGE 6 REDACTED

Exemption 4,
Deliberative Process
5 U.S.C. §552(b)(4)
Confidential Business Information

ROUP NAME: HSL List

SCRIPTION:
L Loading Group for A.A.

Page

TEST CODE	TEST NAME
3020	Aluminum
3040	Antimony
3060	Arsenic
3080	Barium
3100	Beryllium
3140	Cadmium
3160	Calcium
3220	Chromium, Total
3240	Cobalt
3260	Copper
3320	Iron
3380	Lead
3440	Magnesium
3460	Manganese
3480	Mercury
3500	[redacted]
3520	Nickel
3560	Potassium
3580	Selenium
3620	Silver
3640	Sodium
3680	Thallium
3720	[redacted]
3800	Vanadium
3840	Zinc

RCV BY:REGION 05 CHICAGO, IL ; 6- 4-91 3:24AM ; 7082895445→ 3122013827;# 3/ 3
SENT BY:NET MIDWEST ; 6- 4-91 ; 15:29 ; NET BARTLETT→ 3122013827;# 3/ 3

Transmission from:

ITAS - Cincinnati
11499 Chester Road
Cincinnati, Ohio 45246

FAX # (513) 782-4644

Voice # (513) 782-4600

From: Bruce Bohrbach

Department:

To: Jean Malkin

Company:

Department:

FAX #: 312-201-3827

Voice #: 312-201-3870

Special Instructions/Comments:

Disposition of Original: ○ Return to Originator ○ Discard

Total Number of Pages including this cover sheet: 3 **FAX Operator:**

INTERNATIONAL TECHNOLOGY CORPORATION

Analytical Services Business Development Quotation

Date of Quote: 6-4-91	Laboratory: CINCINNATI	Quote #:
Quoted By: Bruce Rohrbach	Salesperson:	Project/P.O. #:

SECTION I - Client Information

Report To:		Bill To:
ECOLOGY + ENVIRONMENT	Client	
JEAN MALKIN	Customer	
	Facility/Location	
	Address	
	City, State, Zip	
312-201-3870	Contact & Phone	
312-201-3527	Fax #	

Regulatory Segment: ☐ RCRA ☐ CERCLA ☐ CWA ☐ SDWA ☐ Other:

SECTION II - Sample Information

Sample Containers? Y [X]	Expected Date of Arrival:	Duration:
Lab Pickup? Y N	TAT: ☐ Normal ☐ Other:	
☐ Storage ☐ Disposal ☐ Return	Notes:	

SECTION III - QC and Reporting

QC Requirements: ☐ Normal ☐ Other:	Report By: ☐ FAX ☐ Phone ☐ Written ☐ Other:	
Report QC? Y N:		
Report Raw Data? Y N:		
Date Oral Report Due:	Date Written Report Due:	Number of Additonal Reports:
Other Data Package Requirements:		

SECTION IV - Follow-Up

Follow-Up Date:	By Whom:
Follow-Up Action:	

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Exemption 4,
Deliberative Process
5 U.S.C. §552(b)(4)
Confidential Business Information

ecology and environment, inc.

208 S. LA SALLE STREET, CHICAGO, ILLINOIS 60604

International Specialists in the Environment

PHONE: (312) 201-3790

TELECOPIER: (312) 201-3827

TELECOPIER TRANSMISSION FORM

DATE: 6/4/91 TIME: 3:40 TOTAL NO. OF PAGES 4 (Inc. Transmission Form)

TO: KIM BAXTER

COMPANY: DATA CHEM

TELECOPIER PHONE NO.: (513) 733-5347

FROM: JANE MALKIN

SPECIAL INSTRUCTIONS: Attached are Level II QA requirement & Analytical work requirement.

For Operator's Use Only

JOB CHARGE:

SENT BY:

NA:7

ecology and environment

recycled paper

6/3/91

Analytical TDD request for Carstab

Site assement TDD DS-9105-09
" " PAN EOH0022SAA

~~(S Dis~~

10 soil samples (some sediments)

Analytes: Full HSL (VOA, BNA), TAL (metals), mercury

Turnaround: 2 wks (10 working days) verbal
3 wks Hard copy

Field Date: June 6

Delivery Date: June 7

QA level 2 (qualitative verification only)

OSC : Ross Powers
Requestor: Tom Sporgo &
Sammy Sirhan

This has been tentatively approved by OSC Powers by phone on 6/3/91

ecology and environment, inc.

208 S. LA SALLE STREET, CHICAGO, ILLINOIS 60604
International Specialists in the Environment

PHONE: (312) 201-3790
TELECOPIER: (312) 201-3827

TELECOPIER TRANSMISSION FORM

DATE: 6/5/91 TIME: 8:45 TOTAL NO. OF PAGES 2
(Inc. Transmission Form)

TO: KIM BAYTER

COMPANY: DATA CHEM

TELECOPIER PHONE NO.: (513) 733-5347

FROM: JANE MALKIN

SPECIAL INSTRUCTIONS: PLEASE ACCOMPLISH THE FORM ATTACHED FOR YOUR BID ON 10 SOIL SAMPLES ANALYTICAL (FULL HSL, VOA & BNA, TAL, METAL; 2 WKS VERBAL, 3 WKS HARD COPY)

For Operator's Use Only

JOB CHARGE:

SENT BY:

NA:7

PAGES 14-20 REDACTED

Exemption 4,
Deliberative Process
5 U.S.C. §552(b)(4)
Confidential Business Information

Reference No _____

NON-CLP SUPERFUND ANALYTICAL SERVICES TRACKING FORM

6. Reasons for selecting non-CLP analytical services for these samples (check all that apply):
[ ] Proximity to site [X] Direct interaction with lab [ ] Unique parameter analysis [ ] Cost savings
[ ] Product control [X] Ease of acquiring services [X] Less paperwork [X] Method flexibility
[ ] Quick turnaround [ ] Select locations for further analysis
[ ] Other, specify _____

7. Are the environmental data from this sampling event stored electronically and available to EPA personnel?
[X] No [ ] Don't Know [ ] Yes, contained on: [ ] PC [ ] Mainframe (including minicomputers)

8. For laboratory analyses, what was the turnaround time? _____ days Was it met? [ ] Yes [ ] No [ ] Don't Know

9a. Document(s) where sampling, analytical, and QC requirements are defined (check all that apply):
[ ] QAPjP [ ] SAP [X] FOP/TDD/TID [ ] Other, specify _____

9b. Document(s) approved by: [ ] ESD [X] WMD [ ] Other, specify affiliation _____

9c. For each analytical facility/equipment used, please indicate whether the QA/QC requirements were defined in the above documents (Def) and whether compliance was adequate to meet the intended purpose (Met).

	Fixed lab		Mobile lab		On-Site lab		Fieldable		Portable		Other	
	Def	Met	Def	Met	Def	Met	Def	Met	Def	Met	Def	Met
Analytical Method(s)	Y											
Sample preservation & handling	Y											
Sample chain-of-custody	Y											
Sample holding times	Y						XX	XX	XX	XX		
Detection/quantification limits	Y											
Equipment maintenance/calibration	Y											
Documentation	Y											
Frequency & type of QC samples	Y											

Y = yes N = no R = data not reviewed for this criterion (only applicable for Met column)

10. Was the laboratory audited as part of the Superfund program by:
[ ] EPA or EPA Contractor [ ] PRP [ ] Not Audited [X] Don't Know
Comments: _____

11a. Were data reviewed for technical limitations? [X] Yes [ ] No (go to 12.)

11b. Reviewed by: [ ] ESD/ESAT [X] User [ ] Other, specify affiliation _____

11c. Extent of data review: [ ] Full review of _____ % of the data
[ ] Partial review of _____ % of the data

11d. Review criteria used: [ ] CLP National Functional Guidelines
[X] QA/QC Guidance for Removal Activities (ERT Guidance)
[ ] Other, specify _____

12. Were the quality and quantity of data sufficient to meet the intended purpose?
[X] Yes [ ] No (explain below) [ ] Don't Know (explain below)
Reason: _____

Completed by: Thomas Sedlacek EPE 17 Sept 91
Name and Affiliation Date

CASE NARRATIVE
VOLATILE FRACTION

CASE NO. EOH0022
SDG NO. 13585
SAMPLE NO.(s) for SDG: S1,S2,S3,S4,S5,S6,S7,S8,S9,S10
DCL SET NO.: 91-E-1582
DCL SAMPLE NO.: 91-13585 through 91-13594

EPA-CLP CONTRACT NO. Ecology and Environmental: 19005
DATACHEM LABORATORIES

I certify that this data package in in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hardcopy data package has been authorized by the Laboratory Manager or his designee, and verified by the following signature.

James Baxter
James Baxter, Laboratory Director Date: 6/21/91

I. 1. Case EOH0022: DataChem Laboratories has received a total of ten soil samples for Case EOH0022. This report includes data for the ten soil samples listed above which have been assigned the SDG designation 13585. DataChem Laboratories expects to be paid for all analyses listed above.

I. 2. Volatile Analysis: All samples in this SDG were analyzed and reported for the volatile fraction using the soil protocol specified in the SOW 2/88. All of the surrogate recoveries and internal standard area responses met the QC criteria specified in the protocol.

I. 3. Matrix Spike and Matrix Spike Duplicate Analyses The soil matrix spike and matrix spike duplicate analyses for the volatile fraction were performed using sample S10.

Case Narrative Authorized by: Shirley Johnson Date: 6/21/91

SEMIVOLATILES DATA

CASE NARRATIVE
SEMI-VOLATILE FRACTION

CASE NO. EOH0022
SDG NO. 13585
SAMPLE NO.(s) for SDG: S1,S2,S3,S4,S5,S6,S7,S8,S9,S10
DCL SET NO.: 91-E-1582
DCL SAMPLE NO.: 91-13585 through 91-13594

EPA-CLP CONTRACT NO: Ecology and Environmental :19005
DATACHEM LABORATORIES

I certify that this data package in in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hardcopy data package has been authorized by the Laboratory Manager or his designee, and verified by the following signature.

James Baxter
James Baxter, Laboratory Director Date: 6/21/91

I. 1. Case EOH0022: DataChem Laboratories has received a total of ten soil samples for Case EOH0022. This report includes data for the ten soil samples listed above which have been assigned the SDG designation 13585. DataChem Laboratories expects to be paid for all analyses listed above.

I. 2. Semivolatile Analysis: All samples in this SDG were analyzed and reported for the BNA fraction using the soil protocol specified in the SOW 2/88. All of the surrogate recoveries and internal standard area responses met the QC criteria except for internal standard perylene-d12 which was out of Q.C. limits for sample S3 (91-13587). This sample was not reanalyzed.

I. 3. Matrix Spike and Matrix Spike Duplicate Analyses The soil matrix spike and matrix spike duplicate analyses for the BNA fraction were performed using sample S10.

Case Narrative Authorized by: Stuart Johnson Date: 6/21/91

SV
QC SUMMARY

2D
SOIL SEMIVOLATILE SURROGATE RECOVERY

Lab Name: DATACHEM LABS Contract: 19005

Lab Code: DATAC Case No.: E0H0022 SAS No.: _____ SDG No.: 13585

Level: (low/med) LOW

	EPA SAMPLE NO.	S1 (NBZ) #	S2 (FBP) #	S3 (TPH) #	S4 (PHL) #	S5 (2FP) #	S6 (TBP) #	OTHER	TOT OUT
01	S1	46.	73.	107.	53.	67.	105.		0
02	S2	51.	76.	91.	56.	61.	100.		0
03	S3	39.	66.	113.	50.	60.	101.		0
04	S4	55.	66.	79.	60.	59.	90.		0
05	S5	44.	63.	77.	48.	55.	84.		0
06	S6	49.	61.	80.	53.	54.	75.		0
07	S7	49.	82	111.	55.	68.	125. *		1
08	S8	55.	64.	71.	57.	58.	91.		0
09	S9	58.	70.	88.	64.	63.	99.		0
10	S10	49.	76.	117.	56.	66.	114.		0
11	S10MS	49.	79.	122.	54.	67.	129. *		1
12	S10MSD	48.	73.	102.	54.	66.	138. *		1
13	SBLK01	42.	68.	88.	57.	64.	83.		0
14									
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		QC LIMITS
S1 (NBZ)	= Nitrobenzene-d5	(23-120)
S2 (FBP)	= 2-Fluorobiphenyl	(30-115)
S3 (TPH)	= Terphenyl-d14	(18-137)
S4 (PHL)	= Phenol-d6	(24-113)
S5 (2FP)	= 2-Fluorophenol	(25-121)
S6 (TBP)	= 2,4,6-Tribromophenol	(19-122)

Column to be used to flag recovery values
* Values outside of contract required QC limits
D Surrogates diluted out

3D

SOIL SEMIVOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: DATACHEM LABS Contract: 19005

Lab Code: DATAC Case No.: EOH0022 SAS No.: _____ SDG No.: 13585

Matrix Spike - EPA Sample No.: S10 Level:(low/med) LOW

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	MS CONCENTRATION (ug/Kg)	MS % REC #	QC LIMITS REC.
Phenol	220	0	111.	51.	26- 90
2-Chlorophenol	220	0	128.	58.	25-102
1,4-Dichlorobenzene	110	0	65.	59.	28-104
N-Nitroso-di-n-prop.(1)	110	0	59.	54.	41-126
1,2,4-Trichlorobenzene	110	0	84.	76.	38-107
4-Chloro-3-methylphenol	220	0	159.	72.	26-103
Acenaphthene	110	0	78.	71.	31-137
4-Nitrophenol	220	0	239.	109.	11-114
2,4-Dinitrotoluene	110	0	81.	74.	28- 89
Pentachlorophenol	220	0	284.	129. *	17-109
Pyrene	110	3.0	125.	111.	35-142

COMPOUND	SPIKE ADDED (ug/Kg)	MSD CONCENTRATION (ug/Kg)	MSD % REC #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
Phenol	220	116.	53.	-3.8	35	26- 90
2-Chlorophenol	220	125.	57.	1.7	50	25-102
1,4-Dichlorobenzene	110	66.	60.	-1.7	27	28-104
N-Nitroso-di-n-prop.(1)	110	58.	53.	1.9	38	41-126
1,2,4-Trichlorobenzene	110	86.	78.	-2.6	23	38-107
4-Chloro-3-methylphenol	220	165.	75.	-4.1	33	26-103
Acenaphthene	110	83.	76.	-6.8	19	31-137
4-Nitrophenol	220	269.	122. *	-11.3	50	11-114
2,4-Dinitrotoluene	110	87.	79.	-6.5	47	28- 89
Pentachlorophenol	220	277.	126. *	2.4	47	17-109
Pyrene	110	105.	92.	18.7	36	35-142

(1) N-Nitroso-di-n-propylamine

Column to be used to flag recovery and RPD values with an asterisk
* Values outside of QC limits

RPD: 0 out of 11 outside limits
Spike Recovery: 3 out of 22 outside limits

COMMENTS: _____

4B
SEMIVOLATILE METHOD BLANK SUMMARY

Lab Name: DATACHEM LABS Contract: 19005

Lab Code: DATAC Case No.: EOH0022 SAS No.: _____ SDG No.: 13585

Lab File ID: AD17BL614 Lab Sample ID: BL61491

Date Extracted: 06/14/91 Extraction: (SepF/Cont/Sonc) SONC

Date Analyzed: 06/14/91 Time Analyzed: 20:28

Matrix: (soil/water) SOIL Level: (low/med) LOW

Instrument ID: MS-B

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
01	S1	91-13585	AD23S13585	06/15/91
02	S2	91-13586	AD30S13586	06/15/91
03	S3	91-13587	AD22S13587	06/15/91
04	S4	91-13588	AD32S13588	06/15/91
05	S5	91-13589	AD34S13589	06/16/91
06	S6	91-13590	AD35S13590	06/16/91
07	S7	91-13591	AD21S13591	06/15/91
08	S8	91-13592	AD33S13592	06/16/91
09	S9	91-13593	AD31S13593	06/15/91
10	S10	91-13594	AD18S13594	06/14/91
11	S10MS	91-13594MS	AD19S594MS	06/14/91
12	S10MSD	91-13594MSD	AD20S594MSD	06/14/91
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30				

COMMENTS: _____

FORM IV SV

1/87 Rev.

5B

SEMIVOLATILE ORGANIC GC/MS TUNING AND MASS CALIBRATION - DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: DATACHEM LABS Contract: 19005

Lab Code: DATAC Case No.: E0H00022 SAS No.: _____ SDG No.: 13585

Lab File ID: AD10DFTPP DFTPP Injection Date: 06/14/91

Instrument ID: MS-B DFTPP Injection Time: 14:39

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	30.0 - 60.0% of mass 198	40.83
68	Less than 2.0% of mass 69	0.41 (0.92)1
69	Mass 69 relative abundance	44.73
70	Less than 2.0% of mass 69	0.21 (0.48)1
127	40.0 - 60.0% of mass 198	41.26
197	Less than 1.0% of mass 198	0.0
198	Base Peak, 100% relative abundance	100.00
199	5.0 to 9.0% of mass 198	6.05
275	10.0 - 30.0% of mass 198	20.39
365	Greater than 1.00% of mass 198	2.19
441	Present, but less than mass 443	11.39
442	Greater than 40.0% of mass 198	82.74
443	17.0 - 23.0% of mass 442	14.85 (17.95)2

1-Value is % mass 69 2-Value is % mass 442

THIS TUNE APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	SSTD050	50STD	AD1150STD	06/14/91	14:58
02	SSTD020	20STD	AD1220STD	06/14/91	15:53
03	SSTD080	80STD	AD1380STD	06/14/91	16:48
04	SSTD120	120STD	AD14120STD	06/14/91	17:43
05	SSTD160	160STD	AD15160STD	06/14/91	18:38
06	SBLK01	BL61491	AD17BL614	06/14/91	20:28
07	S10	91-13594	AD18S13594	06/14/91	21:22
08	S10MS	91-13594MS	AD19S594MS	06/14/91	22:17
09	S10MSD	91-13594MSD	AD20S594MSD	06/14/91	23:12
10	S7	91-13591	AD21S13591	06/15/91	00:06
11	S3	91-13587	AD22S13587	06/15/91	01:01
12	S1	91-13585	AD23S13585	06/15/91	01:56
13					
14					
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22					

5B

SEMIVOLATILE ORGANIC GC/MS TUNING AND MASS CALIBRATION - DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: DATACHEM LABS Contract: 19005

Lab Code: DATAC Case No.: E0H00022 SAS No.: _____ SDG No.: 13585

Lab File ID: AD26DFTPP DFTPP Injection Date: 06/15/91

Instrument ID: MS-B DFTPP Injection Time: 18:26

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	30.0 - 60.0% of mass 198	47.89
68	Less than 2.0% of mass 69	1.29 (1.99)1
69	Mass 69 relative abundance	64.56
70	Less than 2.0% of mass 69	0.0 (0.0)1
127	40.0 - 60.0% of mass 198	49.63
197	Less than 1.0% of mass 198	0.0
198	Base Peak, 100% relative abundance	100.00
199	5.0 to 9.0% of mass 198	6.58
275	10.0 - 30.0% of mass 198	19.86
365	Greater than 1.00% of mass 198	1.42
441	Present, but less than mass 443	5.29
442	Greater than 40.0% of mass 198	40.52
443	17.0 - 23.0% of mass 442	7.71 (19.04)2

1-Value is % mass 69 2-Value is % mass 442

THIS TUNE APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	SSTD050	50STD	AD2850STD	06/15/91	19:36
02	S2	91-13586	AD30S13586	06/15/91	21:24
03	S9	91-13593	AD31S13593	06/15/91	22:18
04	S4	91-13588	AD32S13588	06/15/91	23:13
05	S8	91-13592	AD33S13592	06/16/91	00:07
06	S5	91-13589	AD34S13589	06/16/91	01:02
07	S6	91-13590	AD35S13590	06/16/91	01:56
08					
09					
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12					
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21					
22					

FORM V SV 1/87 Rev.

8B

SEMIVOLATILE INTERNAL STANDARD AREA SUMMARY

Lab Name: DATACHEM LABS Contract: 19005

Lab Code: DATAC Case No.: E04Ø022 SAS No.: _____ SDG No.: 13585

Lab File ID (Standard): AD1150STD Date Analyzed: 6-14-91

Instrument ID: MS-B Time Analyzed: 14:58

		IS1(DCB) AREA #	RT	IS2(NPT) AREA #	RT	IS3(ANT) AREA #	RT
	12 HOUR STD	28198	11:12	102327	14:24	57646	18:57
	UPPER LIMIT	56396	11:42	204654	14:54	115292	19:27
	LOWER LIMIT	14099	10:42	51164	13:54	28823	18:27
	EPA SAMPLE NO.						
01	S1	25337	11:04	93922	14:15	56052	18:49
02	S3	26093	11:07	101369	14:18	59915	18:51
03	S7	25307	11:07	91214	14:18	54715	18:51
04	S10	25755	11:07	88543	14:18	55701	18:50
05	S10MS	27070	11:06	92217	14:17	57908	18:50
06	S10MSD	26935	11:08	91842	14:20	57091	18:53
07	SBLK01	27641	11:06	109266	14:17	65786	22:44
08							
09							
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19							
20							
21							
22							

IS1 (DCB) = 1,4-Dichlorobenzene-d4
IS2 (NPT) = Naphthalene-d8
IS3 (ANT) = Acenaphthene-d10

UPPER LIMIT = + 100% of internal standard area.
LOWER LIMIT = - 50% of internal standard area.

Column used to flag internal standard area values with an asterisk

FORM VIII SV-1 1/87 Rev.

8C
SEMIVOLATILE INTERNAL STANDARD AREA SUMMARY

Lab Name: DATACHEM LABS Contract: 19005

Lab Code: DATAC Case No.: E0H00022 SAS No.: _____ SDG No.: 13585

Lab File ID (Standard): AD1150STD Date Analyzed: 6.14.91

Instrument ID: MS-B Time Analyzed: 14:58

		IS4(PHN) AREA #	RT	IS5(CRY) AREA #	RT	IS6(PRY) AREA #	RT
	12 HOUR STD	83553	22:51	36714	29:47	27961	34:35
	UPPER LIMIT	167106	23:21	73428	30:17	55922	35:05
	LOWER LIMIT	41777	22:21	18357	29:17	13981	34:05
	EPA SAMPLE NO.						
01	S1	~~253377436~~	~~11:04~~ 22:42	~~93726704~~	29:39	17780	34:25
02	S3	82839	22:45	21560	29:41	12892 (*)	34:28
03	S7	84220	22:45	28016	29:41	19777	34:28
04	S10	76384	22:44	25442	29:41	18143	34:28
05	S10MS	84618	22:44	26505	29:40	17345	34:26
06	S10MSD	87724	22:47	35103	29:44	26152	34:30
07	SBLK01	91603	22:44	32688	29:41	23083	34:27
08							
09							
10							
11							
12							
13							
14							
15							
16							
17							
18							
19							
20							
21							
22							

IS4 (PHN) = Phenanthrene-d10
IS5 (CRY) = Chrysene-d12
IS6 (PRY) = Perylene-d12

UPPER LIMIT = + 100% of internal standard area.
LOWER LIMIT = - 50% of internal standard area.

Column used to flag internal standard area values with an asterisk

FORM VIII SV-2

8C

SEMIVOLATILE INTERNAL STANDARD AREA SUMMARY

Lab Name: DATACHEM LABS Contract: 19005

Lab Code: DATAC Case No.: E0H0022 SAS No.: _____ SDG No.: 13585

Lab File ID (Standard): AD2850STD Date Analyzed: 6-15-91

Instrument ID: MS-B Time Analyzed: 19:36

		IS4(PHN) AREA #	RT	IS5(CRY) AREA #	RT	IS6(PRY) AREA #	RT
	12 HOUR STD	73168	22:30	24296	29:27	13787	34:15
	UPPER LIMIT	146336	23:00	48592	29:57	27574	34:45
	LOWER LIMIT	36584	22:00	12148	28:57	6894	33:45
	EPA SAMPLE NO.						
01	S1						
02	S2						
03	S3						
04	S4						
05	S5						
06	S6						
07	S7						
08	S8						
09	S9						
10	S10						
11	S10MS						
12	S10MSD						
13	SBLK01						
14	S2	102470	22:46	27674	29:43	16232	34:30
15	S4	110241	22:40	31130	29:37	16880	34:23
16	S5	109470	22:20	34364	29:17	18819	34:04
17	S6	105707	22:19	23857	29:15	11983	34:02
18	S8	117375	22:43	42639	29:39	27515	34:26
19	S9						
20							
21							
22							

IS4 (PHN) = Phenanthrene-d10
IS5 (CRY) = Chrysene-d12
IS6 (PRY) = Perylene-d12

UPPER LIMIT = + 100% of internal standard area.
LOWER LIMIT = - 50% of internal standard area.

Column used to flag internal standard area values with an asterisk

page 1 of 1

FORM VIII SV-2 1/87 Rev.

8B

SEMIVOLATILE INTERNAL STANDARD AREA SUMMARY

Lab Name: DATACHEM LABS Contract: 19005

Lab Code: DATAC Case No.: E0H0022 SAS No.: _____ SDG No.: 13585

Lab File ID (Standard): AD2850STD Date Analyzed: 6-15-91

Instrument ID: MS-B Time Analyzed: 19:36

		IS1(DCB) AREA #	RT	IS2(NPT) AREA #	RT	IS3(ANT) AREA #	RT
	12 HOUR STD	34720	10:52	147703	14:04	79423	18:37
	UPPER LIMIT	69440	11:22	295406	14:34	158846	19:07
	LOWER LIMIT	17360	10:22	73852	13:34	39712	18:07
	EPA SAMPLE NO.						
01	~~S1 91-13585~~						
02	~~S2 13586~~	40490					
03	~~S3 13587~~						
04	~~S4 13588~~						
05	~~S5 13589~~						
06	~~S6 13590~~						
07	~~S7 13591~~						
08	~~S8 13592~~						
09	~~S9 13593~~						
10	~~S10 13594~~						
11	~~S10MS 13594MS~~						
12	~~S10MSD 13594MSD~~						
13	~~SBLK01 BLANK~~						
14	S2	40490	11:08	156776	14:19	78449	18:52
15	S4	42073	11:02	165418	14:13	87492	18:47
16	S5	43296	10:41	174384	13:52	91014	18:26
17	S6	43848	10:40	173945	13:51	90473	18:25
18	S8	42243	11:05	168020	14:16	90114	18:50
19	S9	39014	11:07	151749	14:18	79972	18:51
20							
21							
22							

IS1 (DCB) = 1,4-Dichlorobenzene-d4
IS2 (NPT) = Naphthalene-d8
IS3 (ANT) = Acenaphthene-d10

UPPER LIMIT = + 100% of internal standard area.
LOWER LIMIT = - 50% of internal standard area.

Column used to flag internal standard area values with an asterisk

page 1 of 1

FORM VIII SV-1

1/87 Rev.

8C

SEMIVOLATILE INTERNAL STANDARD AREA SUMMARY

Lab Name: DATACHEM LABS Contract: 19005

Lab Code: DATAC Case No.: E0H0022 SAS No.: _____ SDG No.: 13585

Lab File ID (Standard): AD2850STD Date Analyzed: 6-15-91

Instrument ID: MS-B Time Analyzed: 19:36

		IS4(PHN) AREA #	RT	IS5(CRY) AREA #	RT	IS6(PRY) AREA #	RT
	12 HOUR STD	73168	22:30	24296	29:27	13787	34:15
	UPPER LIMIT	146336	23:00	48592	29:57	27574	34:45
	LOWER LIMIT	36584	22:00	12148	28:57	6894	33:45
	EPA SAMPLE NO.						
01	S1						
02	S2						
03	S3						
04	S4						
05	S5						
06	S6						
07	S7						
08	S8						
09	S9						
10	S10						
11	S10MS						
12	S10MSD						
13	SBLK01						
14	S2	102470	22:46	27674	29:43	16232	34:30
15	S4	110241	22:40	31130	29:37	16880	34:23
16	S5	109470	22:20	34364	29:17	18819	34:04
17	S6	105707	22:19	23857	29:15	11983	34:02
18	S8	117375	22:43	42639	29:39	27515	34:26
19	S9						
20							
21							
22							

IS4 (PHN) = Phenanthrene-d10
IS5 (CRY) = Chrysene-d12
IS6 (PRY) = Perylene-d12

UPPER LIMIT = + 100% of internal standard area.
LOWER LIMIT = - 50% of internal standard area.

Column used to flag internal standard area values with an asterisk

FORM VIII SV-2 1/87 Rev.

SV
SAMPLE DATA

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S1

Lab Name: DATACHEM LABS Contract: 19005

Lab Code: DATAC Case No.: E0H002 SAS No.: _____ SDG No.: 13585

Matrix: (soil/water) SOIL Lab Sample ID: 91-13585

Sample wt/vol: 30 (g/mL) G Lab File ID: AD23513585

Level: (low/med) LOW Date Received: 06/07/91

% Moisture: not dec. _____ dec. 10. Date Extracted: 06/14/91

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 06/15/91

GPC Cleanup: (Y/N) N pH: 5.0 Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	370.	U
111-44-4	bis(2-Chloroethyl)ether	370.	U
95-57-8	2-Chlorophenol	370.	U
541-73-1	1,3-Dichlorobenzene	370.	U
106-46-7	1,4-Dichlorobenzene	370.	U
100-51-6	Benzyl alcohol	370.	U
95-50-1	1,2-Dichlorobenzene	370.	U
95-48-7	2-Methylphenol	370.	U
108-60-1	bis(2-Chloroisopropyl)ether	370.	U
106-44-5	4-Methylphenol	370.	U
621-64-7	N-Nitroso-di-n-propylamine	370.	U
67-72-1	Hexachloroethane	370.	U
98-95-3	Nitrobenzene	370.	U
78-59-1	Isophorone	370.	U
88-75-5	2-Nitrophenol	370.	U
105-67-9	2,4-Dimethylphenol	370.	U
65-85-0	Benzoic acid	1800.	U
111-91-1	bis(2-Chloroethoxy)methane	370.	U
120-83-2	2,4-Dichlorophenol	370.	U
120-82-1	1,2,4-Trichlorobenzene	370.	U
91-20-3	Naphthalene	370.	U
106-47-8	4-Chloroaniline	370.	U
87-68-3	Hexachlorobutadiene	370.	U
59-50-7	4-Chloro-3-methylphenol	370.	U
91-57-6	2-Methylnaphthalene	370.	U
77-47-4	Hexachlorocyclopentadiene	370.	U
88-06-2	2,4,6-Trichlorophenol	370.	U
95-95-4	2,4,5-Trichlorophenol	1800.	U
91-58-7	2-Chloronaphthalene	370.	U
88-74-4	2-Nitroaniline	1800.	U
131-11-3	Dimethylphthalate	370.	U
208-96-8	Acenaphthylene	370.	U
606-20-2	2,6-Dinitrotoluene	370.	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S1

Lab Name: DATACHEM LABS Contract: 19005

Lab Code: DATAC Case No.: EI-5022 SAS No.: _____ SDG No.: 13585

Matrix: (soil/water) SOIL Lab Sample ID: 91-13585

Sample wt/vol: 30 (g/ml) G Lab File ID: AD23S13585

Level: (low/med) LOW Date Received: 06/07/91

% Moisture: not dec. _____ dec. 10. Date Extracted: 06/14/91

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 06/15/91

GPC Cleanup: (Y/N) N pH: 5.0 Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
99-09-2	3-Nitroaniline	1800.	U
83-32-9	Acenaphthene	370.	U
51-28-5	2,4-Dinitrophenol	1800.	U
100-02-7	4-Nitrophenol	1800.	U
132-64-9	Dibenzofuran	370.	U
121-14-2	2,4-Dinitrotoluene	370.	U
84-66-2	Diethylphthalate	370.	U
7005-72-3	4-Chlorophenyl-phenylether	370.	U
86-73-7	Fluorene	370.	U
100-01-6	4-Nitroaniline	1800.	U
534-52-1	4,6-Dinitro-2-methylphenol	1800.	U
86-30-6	N-Nitrosodiphenylamine (1)	370.	U
101-55-3	4-Bromophenyl-phenylether	370.	U
118-74-1	Hexachlorobenzene	370.	U
87-86-5	Pentachlorophenol	1800.	U
85-01-8	Phenanthrene	50.	J
120-12-7	Anthracene	370.	U
84-74-2	Di-n-butylphthalate	370.	U
206-44-0	Fluoranthene	130.	J
129-00-0	Pyrene	150.	J
85-68-7	Butylbenzylphthalate	370.	U
91-94-1	3,3'-Dichlorobenzidine	730.	U
56-55-3	Benzo(a)anthracene	370.	U
218-01-9	Chrysene	370.	U
117-81-7	bis(2-Ethylhexyl)phthalate	370.	U
117-84-0	Di-n-octylphthalate	370.	U
205-99-2	Benzo(b)fluoranthene	370.	U
207-08-9	Benzo(k)fluoranthene	370.	U
50-32-8	Benzo(a)pyrene	370.	U
193-39-5	Indeno(1,2,3-cd)pyrene	370.	U
53-70-3	Dibenz(a,h)anthracene	370.	U
191-24-2	Benzo(g,h,i)perylene	370.	U

(1) - Cannot be separated from Diphenylamine

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

S1

Lab Name: DATACHEM LABS Contract: 19005

Lab Code: DATAC Case No.: E040022 SAS No.: _____ SDG No.: 13585

Matrix: (soil/water) SOIL Lab Sample ID: 91-13585

Sample wt/vol: 30 (g/mL) G Lab File ID: AD23513585

Level: (low/med) LOW Date Received: 06/07/91

% Moisture: not dec. _____ dec. 10. Date Extracted: 06/14/91

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 06/15/91

GPC Cleanup: (Y/N) N pH: 5.0 Dilution Factor: 1.0

Number TICs found: 7

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

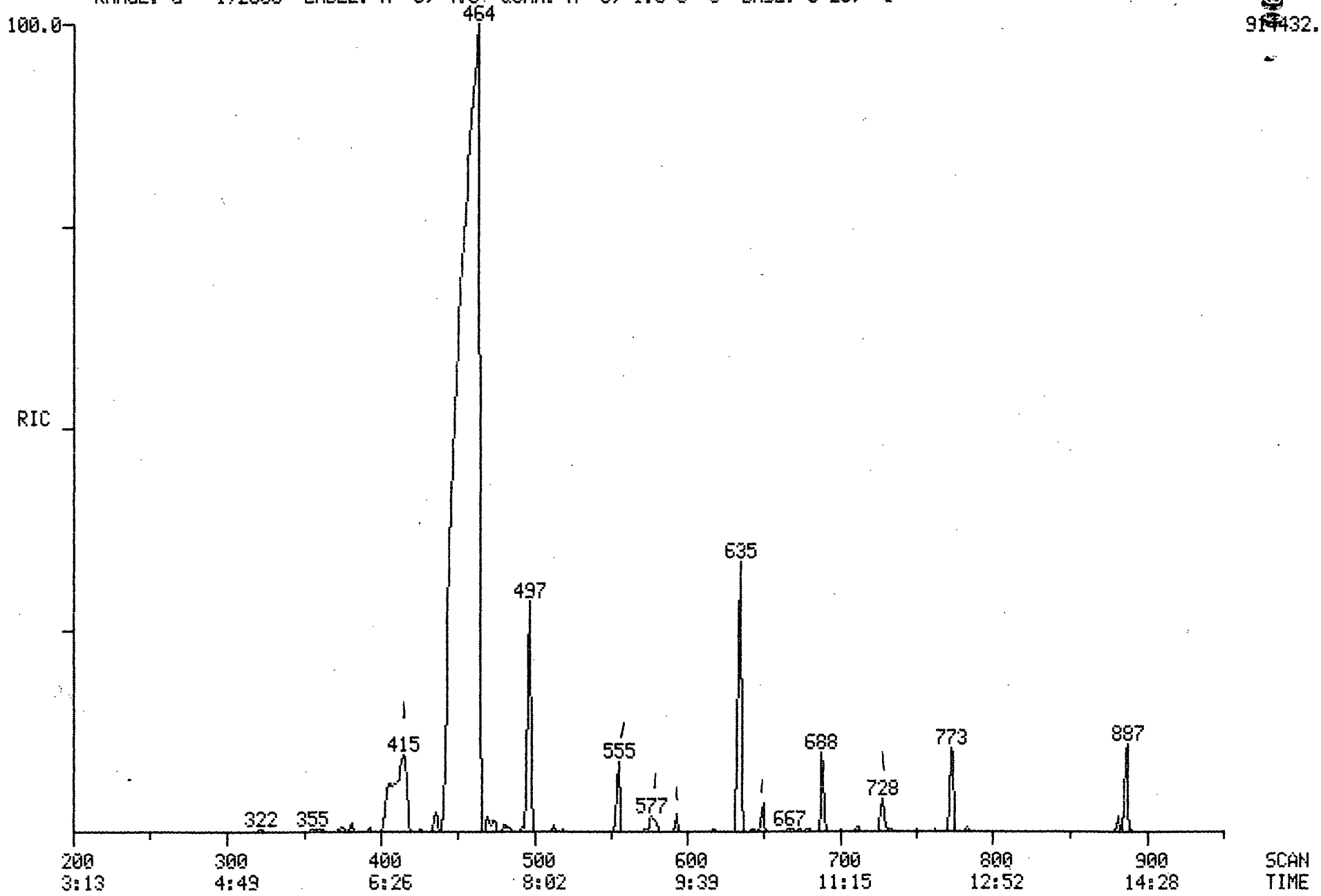
	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.		ALDOL CONDENSATION PRODUCT	6:40	66000.	AJB
2.		ALDOL CONDENSATION Product	7:28	97000.	AJB
3.		ALDOL CONDENSATION PRODUCT	8:55	1200.	AJB
4.		BROMO HEXANE ISOMER	9:17	660.	AJB
5.		ALDOL CONDENSATION PRODUCT	9:32	330.	AJB
6.		ALDOL CONDENSATION PRODUCT	10:26	510.	AJ
7.		ALDOL CONDENSATION PRODUCT	11:42	770.	AJ
8.					
9.					
10.					
11.					
12.					
13.					
14.					
15.					
16.					
17.					
18.					
19.					
20.					
21.					
22.					
23.					
24.					
25.					
26.					
27.					
28.					
29.					
30.					

MIDRIC
06/15/91 1:56:00
SAMPLE: S1 91-13585
CONDS.: MS-B CASE: EOH0022
RANGE: G 1,2800 LABEL: N 0, 4.0 QUAN: A 0, 1.0 J 0 BASE: U 20, 3

DATA: AD23S13585 #1 SCANS 200 TO 950
CALI: AD23S13585 #2

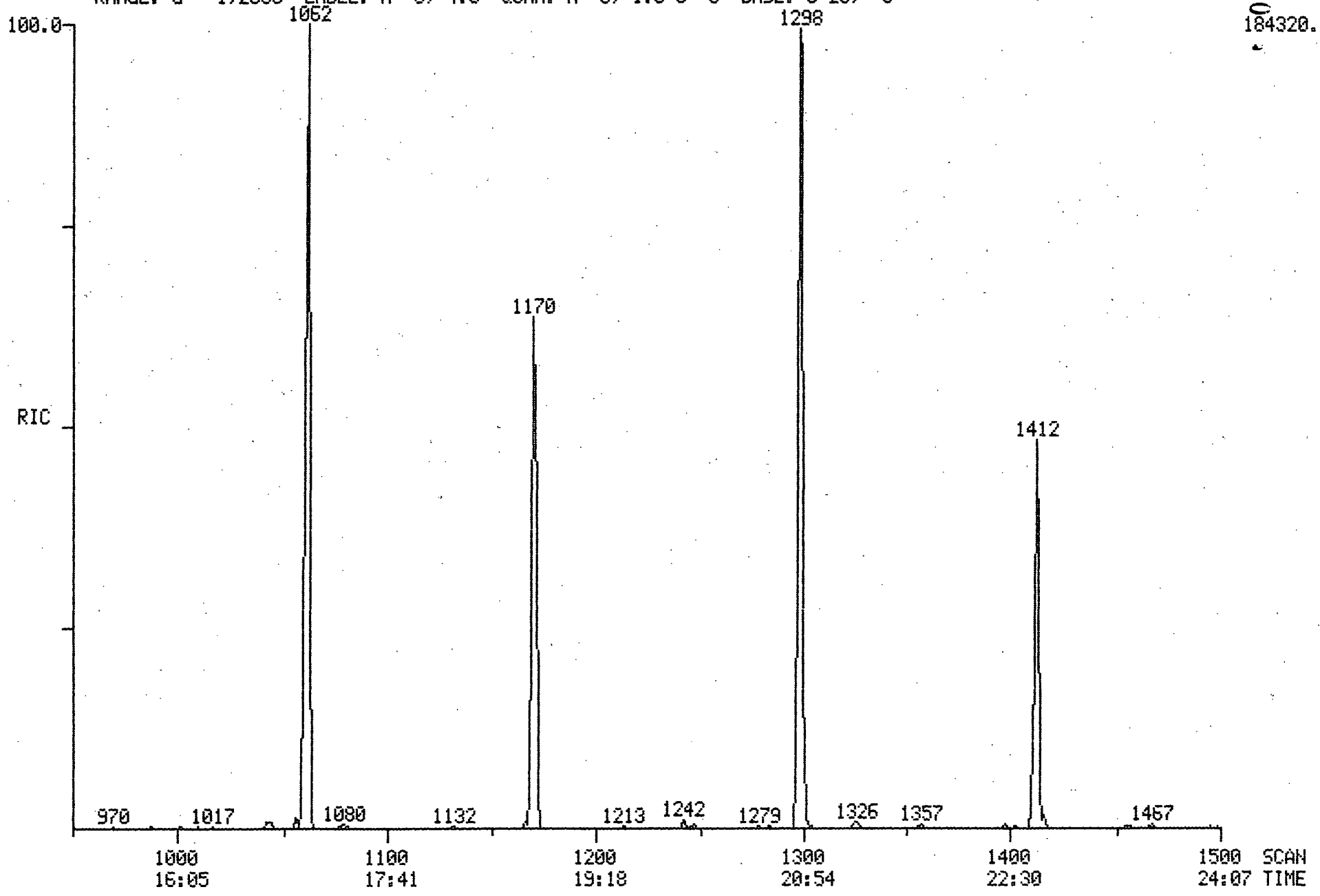
T.J. Masocai
6.17.91

00329



MIDRIC
06/15/91 1:56:00
SAMPLE: S1 91-13585
CONDS.: MS-B CASE: EOH0022
RANGE: G 1,2800 LABEL: N 0, 4.0 QUAN: A 0, 1.0 J 0 BASE: U 20, 3

DATA: AD23S13585 #1 SCANS 950 TO 1500
CALI: AD23S13585 #2

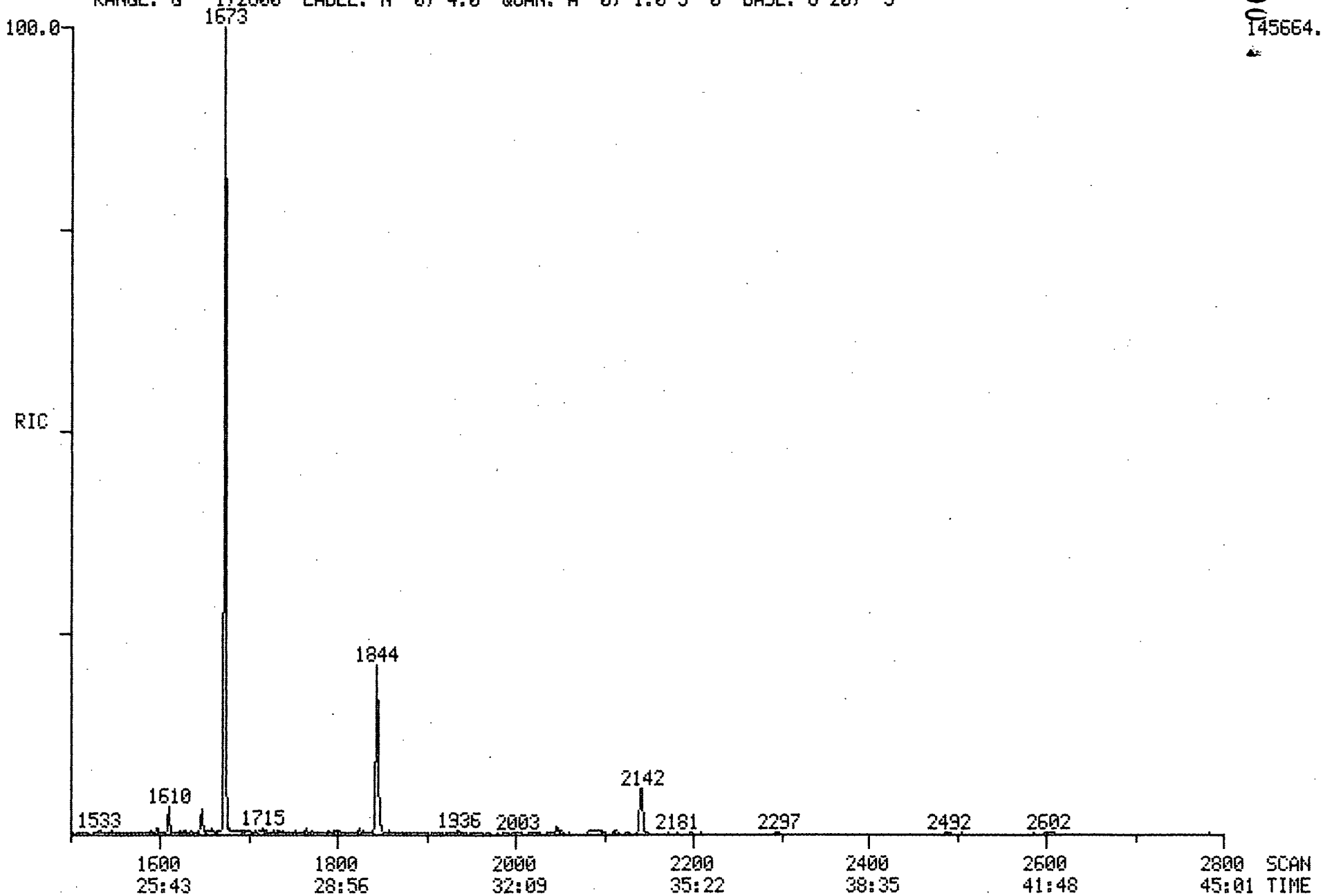


00330

MIDRIC
06/15/91 1:56:00
SAMPLE: S1 91-13585
CONDS.: MS-B CASE: EOH0022
RANGE: G 1,2800 LABEL: N 0, 4.0 QUAN: A 0, 1.0 J 0 BASE: U 20, 3

DATA: AD23513585 #1 SCANS 1500 TO 2800
CALI: AD23513585 #2

00331

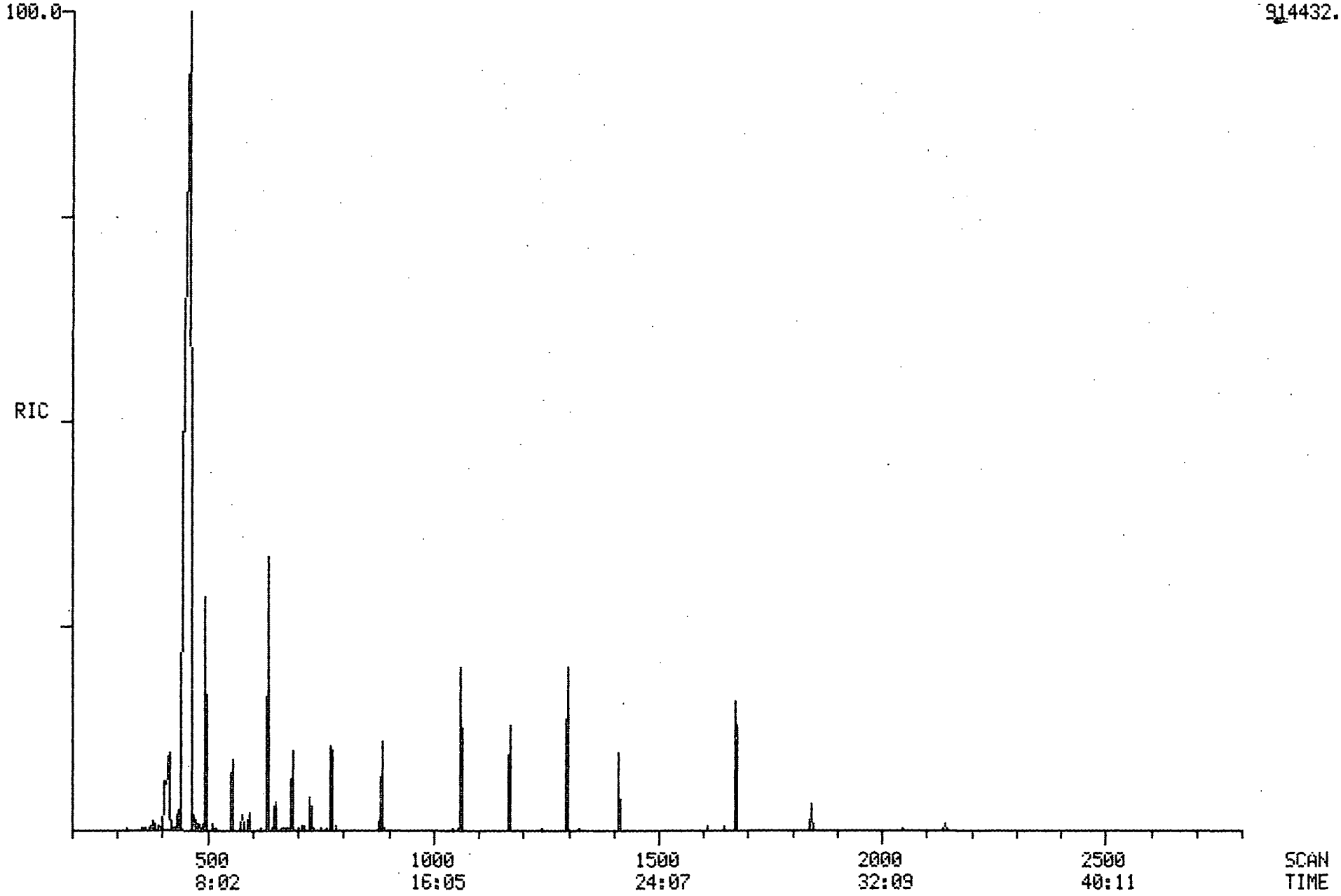


145664.

MIDRIC
06/15/91 1:56:00
SAMPLE: S1 91-13585
CONDS.: MS-B CASE: EOH0022
RANGE: G 1,2800 LABEL: N 0, 4.0 QUAN: A 0, 1.0 J 0 BASE: U 20, 3

DATA: AD23513585 #1 SCANS 200 TO 2800
CALI: AD23513585 #2

00332



PROCEDURE: TCA DIAGNOSTIC REPORT 6/16/91 19:20:59
DATA FILE: AD23S13585
REFERENCE: 82711
NAME LIST: 8270 INITIALIZATION OPTION: 4 PROCESSING OPTION: 3
REPORT: DSISTD

< ---- STANDARDS ----- ><				--- PLUS UNKNOWNS --- ><				- LIST NAMES - >
PROC	USED	POSS	RMS	PROC	USED	POSS	RMS	STANDARD/UNKNOWN
6	4	1	30	12	12	1	136	DSISTD/DSSURR
6	6	1	27	21	6	1	27	DSISTD/82701
6	6	1	27	21	6	1	27	DSISTD/82702
6	6	1	27	21	6	1	27	DSISTD/82703
6	6	1	27	21	6	1	27	DSISTD/82704
6	6	1	27	21	8	1	58	DSISTD/82705
6	6	1	27	21	7	1	37	DSISTD/82706

102 COMPOUNDS PROCESSED, 13 FOUND

< COMPOUND ><			---------- SEARCH ---------- >< SAT ><							------ CHRO ------			
NO	LIB	ENTRY	REF	PRED	SEL	DELTA	PEAKS	FIT	PEAKS	M/Z	TOP	DELTA	PEAKS
1	DS	1	-683	688	688	.	1	973	.	152	688	.	1
2	DS	2	-882	887	.	.	.	.	.	136	886	.	1
3	DS	3	-1165	1170	1170	.	1	952	.	164	1170	.	1
4	DS	4	-1407	1412	1412	.	1	995	.	188	1412	.	1
5	DS	5	-1839	1845	.	.	.	.	.	240	1844	.	1
6	DS	6	-2136	2142	2142	.	1	935	.	264	2141	-1	1
7	DS	7	-488	494	497	3	1	980	.	112	497	.	1
8	DS	8	-630	635	635	.	1	948	.	99	635	.	1
9	DS	9	-769	774	773	-1	1	977	.	82	773	.	1
10	DS	10	-1057	1062	1062	.	1	986	.	172	1062	.	1
11	DS	11	-1294	1299	1298	-1	1	945	.	330	1298	.	1
12	DS	12	-1668	1673	1673	.	1	976	.	244	1673	.	1
13	DS	13	-263	267	.	.	.	.	.	42	.	.	.
14	DS	14	-393	398	.	.	.	.	.	93	.	.	.
15	DS	15	-462	467	.	.	.	.	.	80	.	.	.
16	DS	16	-569	574	.	.	.	.	.	79	.	.	.
17	DS	17	-632	637	.	.	.	.	.	94	.	.	.
18	DS	18	-634	639	.	.	.	.	.	93	.	.	.
19	DS	19	-646	651	.	.	.	.	.	93	.	.	.
20	DS	20	-651	656	.	.	.	.	.	128	.	.	.
21	DS	21	-674	679	.	.	.	.	.	146	.	.	.
22	DS	22	-686	691	.	.	.	.	.	146	691	.	1
23	DS	23	-706	711	.	.	.	.	.	108	.	.	.
24	DS	24	-708	713	.	.	.	.	.	146	.	.	.
25	DS	25	-723	728	.	.	.	.	.	108	.	.	.
26	DS	26	-727	732	.	.	.	.	.	45	.	.	.
27	DS	27	-723	728	.	.	.	.	.	108	.	.	.
28	DS	28	-749	754	.	.	.	.	.	70	.	.	.
29	DS	29	-761	766	.	.	.	.	.	117	.	.	.
30	DS	30	-747	752	.	.	.	.	.	105	.	.	.
31	DS	31	-773	778	.	.	.	.	.	77	.	.	.
32	DS	32	-797	802	.	.	.	.	.	42	.	.	.
33	DS	33	-811	816	.	.	.	.	.	82	.	.	.
34	DS	34	-822	827	.	.	.	.	.	139	.	.	.
35	DS	35	-830	835	.	.	.	.	.	122	.	.	.
36	DS	36	-846	851	.	.	.	.	.	93	.	.	.
37	DS	39	-860	865	.	.	.	.	.	162	.	.	.
38	DS	40	-873	878	.	.	.	.	.	180	.	.	.
39	DS	41	-885	890	.	.	.	.	.	128	890	.	1
40	DS	42	-895	900	.	.	.	.	.	127	.	.	.
41	DS	43	-896	901	.	.	.	.	.	162	.	.	.
42	DS	44	-906	911	.	.	.	.	.	225	.	.	.
43	DS	45	-951	956						84			

00333

44	DS	46	-973	978	.	.	.	.	.	107	.	.	.
45	DS	47	-997	1002	.	.	.	.	.	142	1001	.	1
46	DS	48	-1024	1029	.	.	.	.	.	216	.	.	.
47	DS	49	-1022	1027	.	.	.	.	.	237	.	.	.
48	DS	50	-1042	1047	.	.	.	.	.	196	.	.	.
49	DS	51	-1048	1053	.	.	.	.	.	196	.	.	.
50	DS	52	-1076	1081	.	.	.	.	.	162	.	.	.
51	DS	53	-1076	1081	.	.	.	.	.	162	.	.	.
52	DS	54	-1093	1098	.	.	.	.	.	65	.	.	.
53	DS	55	-1124	1129	.	.	.	.	.	163	.	.	.
54	DS	56	-1133	1138	.	.	.	.	.	165	.	.	.
55	DS	57	-1142	1147	.	.	.	.	.	152	.	.	.
56	DS	58	-1160	1165	.	.	.	.	.	138	.	.	.
57	DS	59	-1171	1176	.	.	.	.	.	154	.	.	.
58	DS	60	-1177	1182	.	.	.	.	.	184	.	.	.
59	DS	61	-1187	1192	.	.	.	.	.	139	.	.	.
60	DS	62	-1199	1204	.	.	.	.	.	168	1203	.	1
61	DS	63	-1199	1204	.	.	.	.	.	165	.	.	.
62	DS	64	-1192	1197	.	.	.	.	.	250	.	.	.
63	DS	65	-1212	1217	.	.	.	.	.	143	.	.	.
64	DS	66	-1219	1224	.	.	.	.	.	232	.	.	.
65	DS	67	-1225	1230	.	.	.	.	.	143	.	.	.
66	DS	68	-1239	1244	.	.	.	.	.	149	1242	.	1
67	DS	69	-1256	1261	.	.	.	.	.	204	.	.	.
68	DS	70	-1255	1260	.	.	.	.	.	166	.	.	.
69	DS	71	-1259	1264	.	.	.	.	.	138	.	.	.
70	DS	72	-1264	1269	.	.	.	.	.	198	.	.	.
71	DS	73	-1276	1281	.	.	.	.	.	169	.	.	.
72	DS	74	-1282	1287	.	.	.	.	.	77	.	.	.
73	DS	75	-1335	1340	.	.	.	.	.	248	.	.	.
74	DS	76	-1327	1332	.	.	.	.	.	108	.	.	.
75	DS	78	-1344	1349	.	.	.	.	.	284	.	.	.
76	DS	79	-1378	1383	.	.	.	.	.	169	.	.	.
77	DS	81	-1376	1381	.	.	.	.	.	266	.	.	.
78	DS	83	-1388	1393	.	.	.	.	.	173	.	.	.
79	DS	84	-1379	1384	.	.	.	.	.	295	.	.	.
80	DS	85	-1412	1417	1416	-1	1	901	.	178	1416	.	1
81	DS	86	-1420	1425	.	.	.	.	.	178	1424	.	1
82	DS	89	-1504	1509	.	.	.	.	.	149	1509	.	1
83	DS	92	-1605	1610	1610	.	1	917	.	202	1610	.	1
84	DS	93	-1642	1647	.	.	.	.	.	202	1647	.	1
85	DS	96	-1627	1632	.	.	.	.	.	184	.	.	.
86	DS	98	-1691	1696	.	.	.	.	.	120	.	.	.
87	DS	103	-1748	1753	.	.	.	.	.	149	.	.	.
88	DS	108	-1833	1839	.	.	.	.	.	252	.	.	.
89	DS	109	-1837	1843	.	.	.	.	.	228	1842	.	1
90	DS	110	-1843	1849	.	.	.	.	.	228	1848	.	1
91	DS	111	-1840	1846	1845	-1	1	962	.	149	1845	.	1
92	DS	112	-1955	1961	.	.	.	.	.	149	.	.	.
93	DS	113	-2041	2047	.	.	.	.	.	256	.	.	.
94	DS	114	-2042	2048	.	.	.	.	.	252	2046	.	1
95	DS	115	-2049	2055	.	.	.	.	.	252	.	.	.
96	DS	116	-2122	2128	.	.	.	.	.	252	2126	.	1
97	DS	117	-2221	2227	.	.	.	.	.	268	.	.	.
98	DS	118	-2499	2505	.	.	.	.	.	276	.	.	.
99	DS	119	-2500	2506	.	.	.	.	.	278	.	.	.
100	DS	120	-2598	2604	.	.	.	.	.	276	.	.	.
101	DS	128	-2421	2427	.	.	.	.	.	279	.	.	.
102	DS	37	-847	852	.	.	.	.	.	122	.	.	.

Quantitation Report File: AD23S13585

Data: AD23S13585.TI
06/15/91 1:56:00
Sample: S1 91-13585
Conds.: MS-B CASE: EOH0022
Submitted by: Analyst: JOHNSON

AMOUNT=AREA * REF AMNT/(REF AREA * RESP FACT)
Resp. fac. from Library Entry

No	Name
1	ISTD D4-1,4-DICHLOROBENZENE
2	ISTD D-8-NAPHTHALENE
3	ISTD ACENAPHTHENE-D10
4	INTERNAL STANDARD D-10-PHENANTHRENE
5	INTERNAL STANDARD D-12-CHRYSENE
6	ISTD D-12 PERYLENE
7	SURROGATE 2-FLUOROPHENOL
8	SURROGATE D-6-PHENOL
9	SURROGATE D5-NITROBENZENE
10	SURROGATE 2-FLUOROBIPHENYL
11	SURROGATE STANDARD 2,4,6-TRIBROMOPHENOL
12	SURROGATE STANDARD P-TERPHENYL D-14
13	N-NITROSODIMETHYLAMINE
14	2-PICOLINE
15	METHYL METHANESULFONATE
16	ETHYL METHANESULFONATE
17	C315 PHENOL
18	ANILINE
19	BIS(2-CHLOROETHYL)ETHER
20	2-CHLOROPHENOL
21	1,3-DICHLOROBENZENE
22	1,4-DICHLOROBENZENE
23	BENZYL ALCOHOL
24	1,2-DICHLOROBENZENE
25	2-METHYLPHENOL
26	BIS(2-CHLOROISOPROPYL)ETHER
27	4-METHYLPHENOL
28	N-NITROSO-DI-N-PROPYLAMINE
29	HEXACHLOROETHANE
30	ACETOPHENONE
31	NITROBENZENE
32	N-NITROSOPIPERIDINE
33	ISOPHORONE
34	2-NITROPHENOL
35	2,4-DIMETHYLPHENOL
36	BIS(2-CHLOROETHOXY)METHANE
37	2,4-DICHLOROPHENOL
38	1,2,4-TRICHLOROBENZENE
39	NAPHTHALENE
40	4-CHLOROANILINE
41	2,6-DICHLOROPHENOL
42	HEXACHLOROBUTADIENE
43	N-NITROSO-DI-N-BUTYLAMINE
44	4-CHLORO-3-METHYLPHENOL
45	2-METHYL NAPHTHALENE
46	1,2,4,5-TETRACHLOROBENZENE
47	HEXACHLOROCYCLOPENTADIENE
48	2,4,6-TRICHLOROPHENOL
49	2,4,5-TRICHLOROPHENOL
50	2-CHLORONAPHTHALENE

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount	%Tot
1	152	688	11:04	1	1.000	A BB	25337.	40.000 UG	2.91
2	136	886	14:15	2	1.000	A BB	93922.	40.000 UG	2.91
3	164	1170	18:49	3	1.000	A BB	56052.	40.000 UG	2.91
4	188	1412	22:42	4	1.000	A BB	77436.	40.000 UG	2.91
5	240	1844	29:39	5	1.000	A BB	26704.	40.000 UG	2.91
6	264	2141	34:25	6	1.000	A BB	17780.	40.000 UG	2.91
7	112	497	7:59	1	0.722	A BB	109819.	106.027 UG	7.72
8	99	635	10:13	1	0.923	A BV	177097.	133.554 UG	9.72
9	82	773	12:26	2	0.872	A BB	72374.	46.272 UG	3.37
10	172	1062	17:04	3	0.908	A BB	123265.	73.186 UG	5.33
11	330	1298	20:52	3	1.109	A BB	43663.	209.307 UG	15.23
12	244	1673	26:54	5	0.907	A BB	116751.	106.527 UG	7.75
13	NOT FOUND								
14	NOT FOUND								
15	NOT FOUND								
16	NOT FOUND								
17	NOT FOUND								
18	NOT FOUND								
19	NOT FOUND								
20	NOT FOUND								
21	NOT FOUND								
~~22~~	~~146~~	~~671~~	~~11:07~~	~~1~~	~~1.004~~	~~A BB~~	~~172.~~	~~0.163 UG~~	~~0.01~~ ms
23	NOT FOUND								
24	NOT FOUND								
25	NOT FOUND								
26	NOT FOUND								
27	NOT FOUND								
28	NOT FOUND								
29	NOT FOUND								
30	NOT FOUND								
31	NOT FOUND								
32	NOT FOUND								
33	NOT FOUND								
34	NOT FOUND								
35	NOT FOUND								
36	NOT FOUND								
37	NOT FOUND								
38	NOT FOUND								
~~39~~	~~128~~	~~870~~	~~14.18~~	~~2~~	~~1.005~~	~~A BB~~	~~585.~~	~~0.201 UG~~	~~0.01~~ ms
40	NOT FOUND								
41	NOT FOUND								
42	NOT FOUND								
43	NOT FOUND								
44	NOT FOUND								
~~45~~	~~142~~	~~1001~~	~~16:06~~	~~2~~	~~1.130~~	~~A BB~~	~~397.~~	~~0.225 UG~~	~~0.02~~ m)
46	NOT FOUND								
47	NOT FOUND								
48	NOT FOUND								
49	NOT FOUND								
50	NOT FOUND								

No	Ret(L)	Ratio	RRT(L)	Ratio	Amnt	Amnt(L)	R.Fac	R.Fac(L)	Ratio
1	10:59	1.01	1.000	1.00	40.00	40.00	1.000	1.000	1.00
2	14:11	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
3	18:44	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
4	22:37	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
5	29:34	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
6	34:20	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
7	7:51	1.02	0.714	1.01	106.03	50.00	3.467	1.635	2.12
8	10:08	1.01	0.922	1.00	133.55	50.00	5.592	2.093	2.67
9	12:22	1.01	0.872	1.00	46.27	50.00	0.616	0.668	0.93
10	17:00	1.00	0.907	1.00	73.19	50.00	1.759	1.202	1.46
11	20:48	1.00	1.111	1.00	209.31	50.00	0.623	0.149	4.19
12	26:49	1.00	0.907	1.00	106.53	50.00	3.498	1.642	2.13
13	4:14		0.385						

14	6:19		0.575						
15	7:26		0.676						
16	9:09		0.833						
17	10:10		0.925						
18	10:12		0.928						
19	10:23		0.946						
20	10:28		0.953						
21	10:50		0.987						
22	11:02	1.01	1.004	1.00	0.16	50.00	0.005	1.670	0.00
23	11:21		1.034						
24	11:23		1.037						
25	11:37		1.059						
26	11:41		1.064						
27	11:37		1.059						
28	12:02		1.097						
29	12:14		1.114						
30	12:01		0.847						
31	12:26		0.876						
32	12:49		0.904						
33	13:02		0.920						
34	13:13		0.932						
35	13:21		0.941						
36	13:36		0.959						
37	13:50		0.975						
38	14:02		0.990						
39	14:14	1.01	1.003	1.00	0.20	50.00	0.005	1.239	0.00
40	14:23		1.015						
41	14:24		1.016						
42	14:34		1.027						
43	15:17		1.078						
44	15:39		1.103						
45	16:02	1.00	1.130	1.00	0.22	50.00	0.003	0.752	0.00
46	16:28		0.879						
47	16:26		0.877						
48	16:45		0.894						
49	16:51		0.900						
50	17:18		0.924						

Quantitation Report File: AD23S13585

Data: AD23S13585.TI
06/15/91 1:56:00
Sample: S1 91-13585
Conds.: MS-B CASE: EOH0022
Submitted by: Analyst: JOHNSON

AMOUNT=AREA * REF AMNT/(REF AREA * RESP FACT)
Resp. fac. from Library Entry

No	Name
51	1-CHLORONAPHTHALENE
52	2-NITROANILINE
53	DIMETHYL PHTHALATE
54	2,6-DINITROTOLUENE
55	ACENAPHTHYLENE
56	3-NITROANILINE
57	ACENAPHTHENE
58	2,4-DINITROPHENOL
59	4-NITROPHENOL
60	DIBENZOFURAN
61	2,4-DINITROTOLUENE
62	PENTACHLOROBENZENE
63	1-NAPHTHYLAMINE
64	2,3,4,6-TETRACHLOROPHENOL
65	2-NAPHTHYLAMINE
66	DIETHYL PHTHALATE
67	4-CHLOROPHENYL PHENYL ETHER
68	FLUORENE
69	4-NITROANILINE
70	4,6-DINITRO-2-METHYLPHENOL
71	N-NITROSODIPHENYLAMINE
72	1,2-DIPHENYLHYDRAZINE
73	4-BROMOPHENYL PHENYL ETHER
74	PHENACETIN
75	HEXACHLOROBENZENE
76	4-AMINOBIPHENYL
77	PENTACHLOROPHENOL
78	PRONAMIDE (PROPYZAMIDE)
79	PENTACHLORONITROBENZENE
80	PHENANTHRENE
81	ANTHRACENE
82	DI-N-BUTYL PHTHALATE
83	FLUORANTHENE
84	PYRENE
85	BENZIDINE
86	P-DIMETHYLAMINOAZOBENZENE
87	BUTYL BENZYL PHTHALATE
88	3,3'-DICHLOROBENZIDINE
89	BENZO(A)ANTHRACENE
90	CHRYSENE
91	BIS(2-ETHYLHEXYL)PHTHALATE
92	DI-N-OCTYL PHTHALATE
93	7,12-DIMETHYLBENZ(A)ANTHRACENE
94	BENZO(B)FLUORANTHENE
95	BENZO(K)FLUORANTHENE
96	BENZO(A)PYRENE
97	3-METHYLCHOLANTHRENE
98	INDENO (1,2,3-CD)PYRENE
99	DIBENZ(A,H)ANTHRACENE
100	BENZO (G,H,I)PERYLENE

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount	%Tot
51	NOT FOUND								
52	NOT FOUND								
53	NOT FOUND								
54	NOT FOUND								
55	NOT FOUND								
56	NOT FOUND								
57	NOT FOUND								
58	NOT FOUND								
59	NOT FOUND								
~~60~~	~~168~~	~~1203~~	~~17:20~~	~~3~~	~~1.028~~	~~A BB~~	~~287.~~	~~0.118 UG~~	~~0.01~~ M1
61	NOT FOUND								
62	NOT FOUND								
63	NOT FOUND								
64	NOT FOUND								
65	NOT FOUND								
~~66~~	~~149~~	~~1242~~	~~17:58~~	~~3~~	~~1.062~~	~~A BB~~	~~1464.~~	~~0.701 UG~~	~~0.05~~ M1
67	NOT FOUND								
68	NOT FOUND								
69	NOT FOUND								
70	NOT FOUND								
71	NOT FOUND								
72	NOT FOUND								
73	NOT FOUND								
74	NOT FOUND								
75	NOT FOUND								
76	NOT FOUND								
77	NOT FOUND								
78	NOT FOUND								
79	NOT FOUND								
80	178	1416	22:46	4	1.003	A BB	2782.	1.350 UG	0.10 M1
~~81~~	~~178~~	~~1424~~	~~22:54~~	~~4~~	~~1.008~~	~~A BB~~	~~250.~~	~~0.120 UG~~	~~0.01~~
~~82~~	~~149~~	~~1509~~	~~24:16~~	~~4~~	~~1.069~~	~~A BB~~	~~616.~~	~~0.242 UG~~	~~0.02~~
83	202	1610	25:53	4	1.140	A BB	5552.	3.464 UG	0.25 M1
84	202	1647	26:29	5	0.893	A BB	4843.	4.126 UG	0.30 M1
85	NOT FOUND								
86	NOT FOUND								
87	NOT FOUND								
88	NOT FOUND								
~~89~~	~~228~~	~~1842~~	~~27:37~~	~~5~~	~~0.999~~	~~A BV~~	~~1761.~~	~~2.331 UG~~	~~0.17~~ M1
~~90~~	~~228~~	~~1848~~	~~27:43~~	~~5~~	~~1.002~~	~~A VB~~	~~2518.~~	~~3.278 UG~~	~~0.24~~ M1
~~91~~	~~149~~	~~1845~~	~~27:40~~	~~5~~	~~1.001~~	~~A BB~~	~~6507.~~	~~6.770 UG~~	~~0.49~~ M1
92	NOT FOUND								
93	NOT FOUND								
~~94~~	~~252~~	~~2046~~	~~32:54~~	~~6~~	~~0.956~~	~~A BB~~	~~4840.~~	~~8.061 UG~~	~~0.59~~ M1
95	NOT FOUND								
~~96~~	~~252~~	~~2126~~	~~34:11~~	~~6~~	~~0.993~~	~~A BB~~	~~1211.~~	~~2.400 UG~~	~~0.17~~ M1
97	NOT FOUND								
98	NOT FOUND								
99	NOT FOUND								
100	NOT FOUND								

No	Ret(L)	Ratio	RRT(L)	Ratio	Amnt	Amnt(L)	R.Fac	R.Fac(L)	Ratio
51	17:18		0.924						
52	17:34		0.938						
53	18:04		0.965						
54	18:13		0.973						
55	18:22		0.980						
56	18:39		0.996						
57	18:50		1.005						
58	18:55		1.010						
59	19:05		1.019						
60	19:17	1.00	1.029	1.00	0.12	50.00	0.004	1.741	0.00
61	19:17		1.029						
62	19:10		1.023						
63	19:29		1.040						

00339

64	19:36		1.046						
65	19:42		1.052						
66	19:55	1.00	1.064	1.00	0.70	50.00	0.021	1.491	0.01
67	20:12		1.078						
68	20:11		1.077						
69	20:14		1.081						
70	20:19		0.898						
71	20:31		0.907						
72	20:37		0.911						
73	21:28		0.949						
74	21:20		0.943						
75	21:36		0.955						
76	22:09		0.979						
77	22:07		0.978						
78	22:19		0.986						
79	22:10		0.980						
80	22:42	1.00	1.004	1.00	1.35	50.00	0.029	1.065	0.03
81	22:50	1.00	1.009	1.00	0.12	50.00	0.003	1.072	0.00
82	24:11	1.00	1.069	1.00	0.24	50.00	0.006	1.313	0.00
83	25:48	1.00	1.141	1.00	3.46	50.00	0.057	0.828	0.07
84	26:24	1.00	0.893	1.00	4.13	50.00	0.145	1.758	0.08
85	26:09		0.885						
86	27:11		0.920						
87	28:06		0.951						
88	29:28		0.997						
89	29:32	1.00	0.999	1.00	2.33	50.00	0.053	1.132	0.05
90	29:38	1.00	1.002	1.00	3.30	50.00	0.075	1.144	0.07
91	29:35	1.00	1.001	1.00	6.77	50.00	0.195	1.440	0.14
92	31:26		0.915						
93	32:49		0.956						
94	32:50	1.00	0.956	1.00	8.06	50.00	0.218	1.351	0.16
95	32:56		0.959						
96	34:07	1.00	0.993	1.00	2.40	50.00	0.054	1.135	0.05
97	35:42		1.040						
98	40:11		1.170						
99	40:11		1.170						
100	41:46		1.216						

Quantitation Report File: AD23S13585

Data: AD23S13585.TI
06/15/91 1:56:00
Sample: S1 91-13585
Conds.: MS-B CASE: EOH0022
Submitted by: Analyst: JOHNSON

AMOUNT=AREA * REF AMNT/(REF AREA * RESP FACT)
Resp. fac. from Library Entry

No	Name
101	DIBENZ(A,J)ACRIDINE
102	BENZOIC ACID

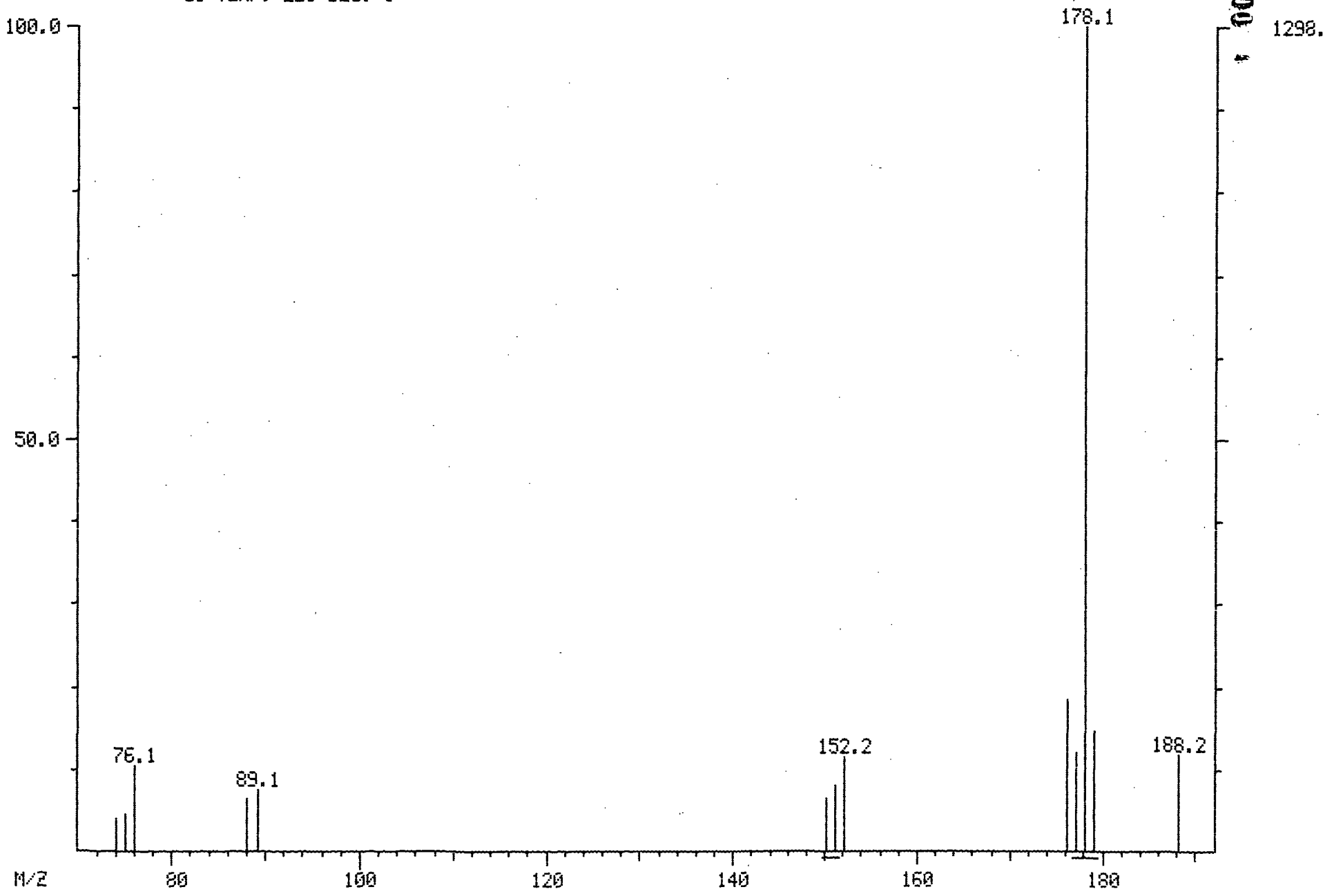
No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount	%Tot
101	NOT FOUND								
102	NOT FOUND								

No	Ret(L)	Ratio	RRT(L)	Ratio	Amnt	Amnt(L)	R.Fac	R.Fac(L)	Ratio
101	38:55		1.133						
102	13:37		0.960						

MID MASS SPECTRUM
06/15/91 1:56:00 + 22:46
SAMPLE: S1 91-13585
CONDS.: MS-B CASE: EOH0022
GC TEMP: 228 DEG. C

DATA: AD23513585 #1416
CALI: AD23513585 #2

BASE M/Z: 178
RIC: 2808.



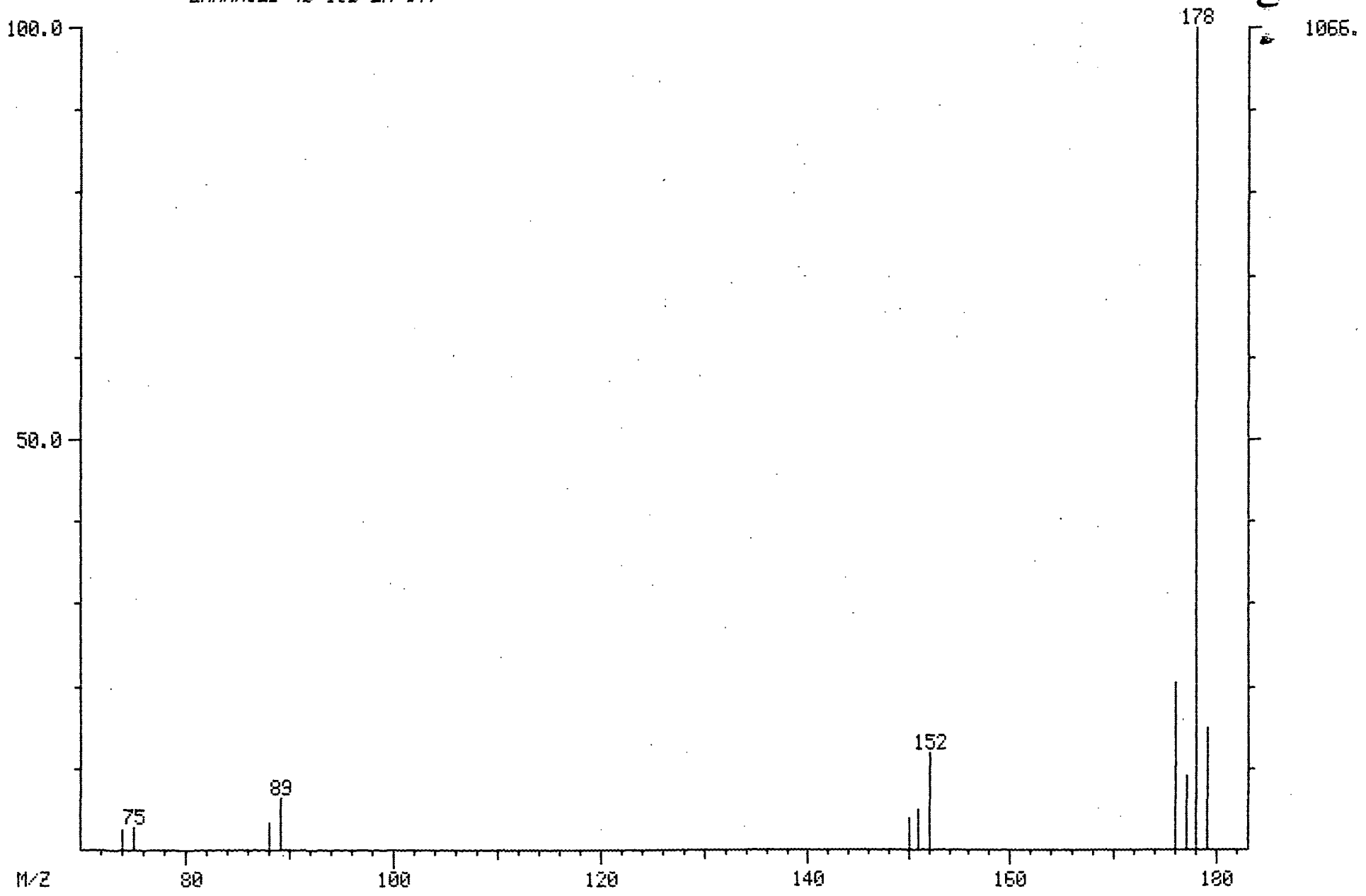
00342

MID MASS SPECTRUM
06/15/91 1:56:00 + 22:46
SAMPLE: S1 91-13585
CONDS.: MS-B CASE: EOH0022
GC TEMP: 228 DEG. C
ENHANCED (S 15B 2N 0T)

DATA: AD23S13585 #1416
CALI: AD23S13585 #2

BASE M/Z: 178
RIC: 1922.

00343

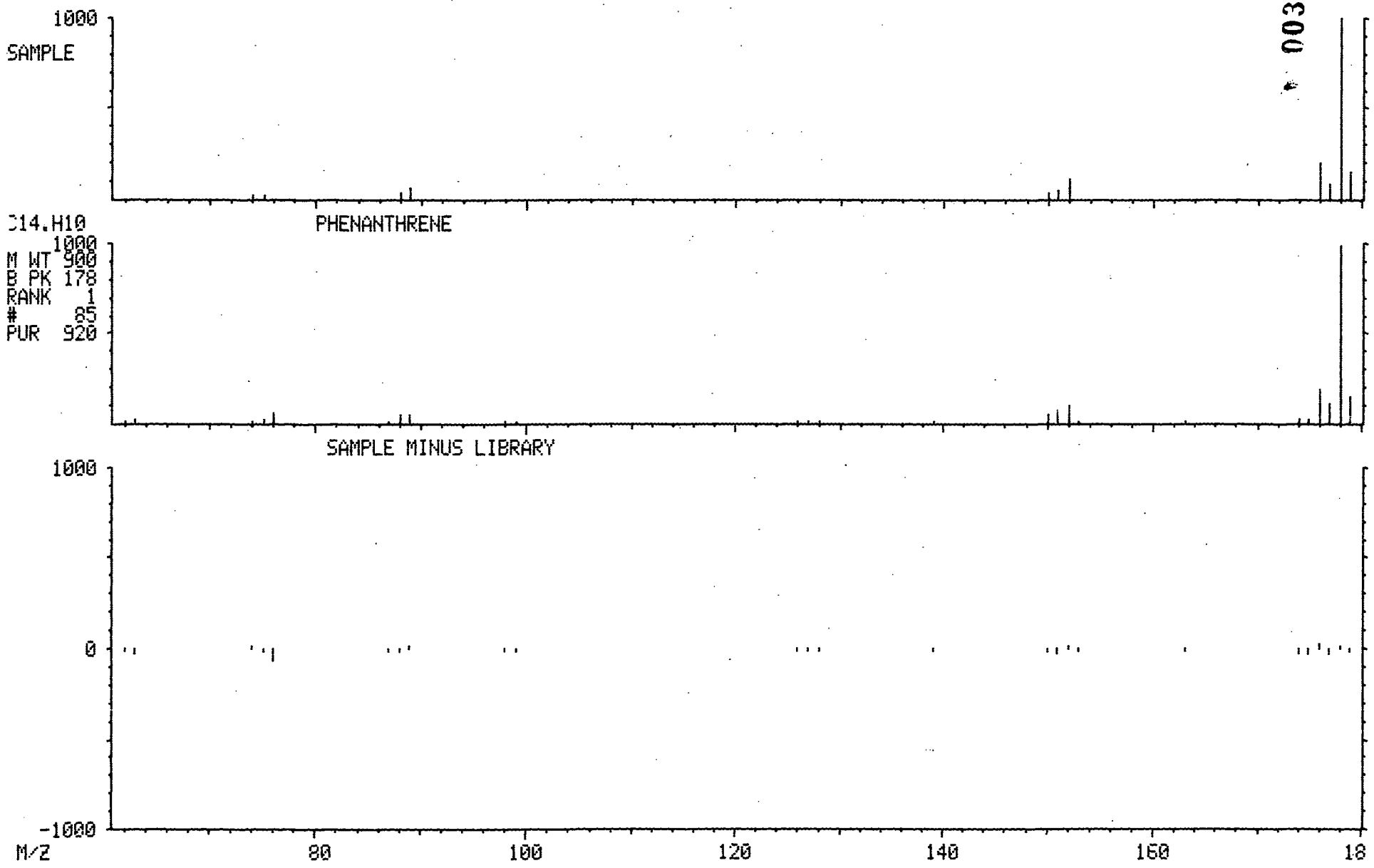


MID LIBRARY SEARCH
06/15/91 1:56:00 + 22:46
SAMPLE: S1 91-13585
CONDS.: MS-B CASE: EOH0022
ENHANCED (S 15B 2N 0T)

DATA: AD23513585 #1416
CALI: AD23513585 # 2

BASE M/Z: 178
RIC: 1921.

00344

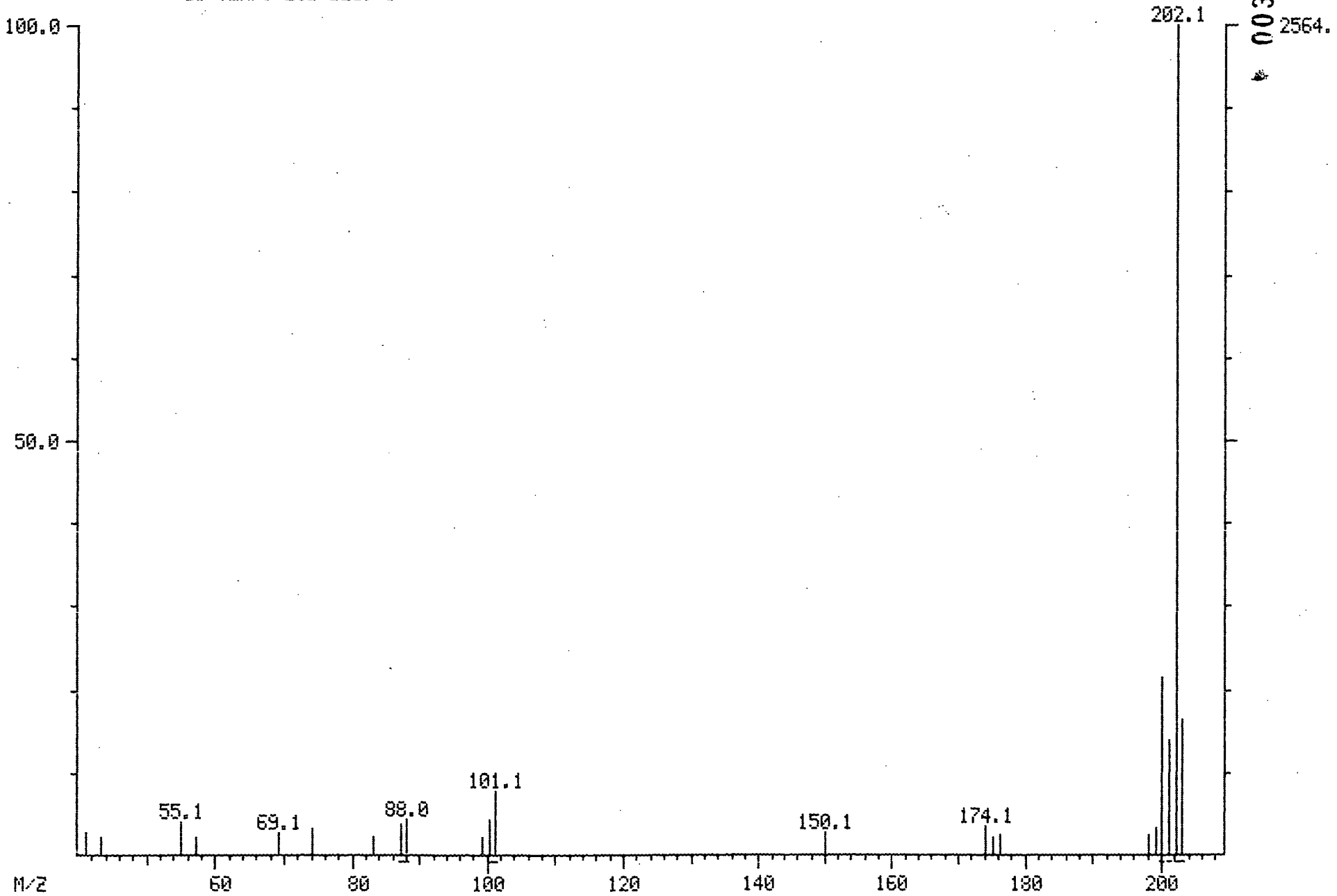


MID MASS SPECTRUM
06/15/91 1:56:00 + 25:53
SAMPLE: S1 91-13585
CONDS.: MS-B CASE: EOH0022
GC TEMP: 259 DEG. C

DATA: AD23S13585 #1610
CALI: AD23S13585 #2

BASE M/Z: 202
RIC: 5400.

00345

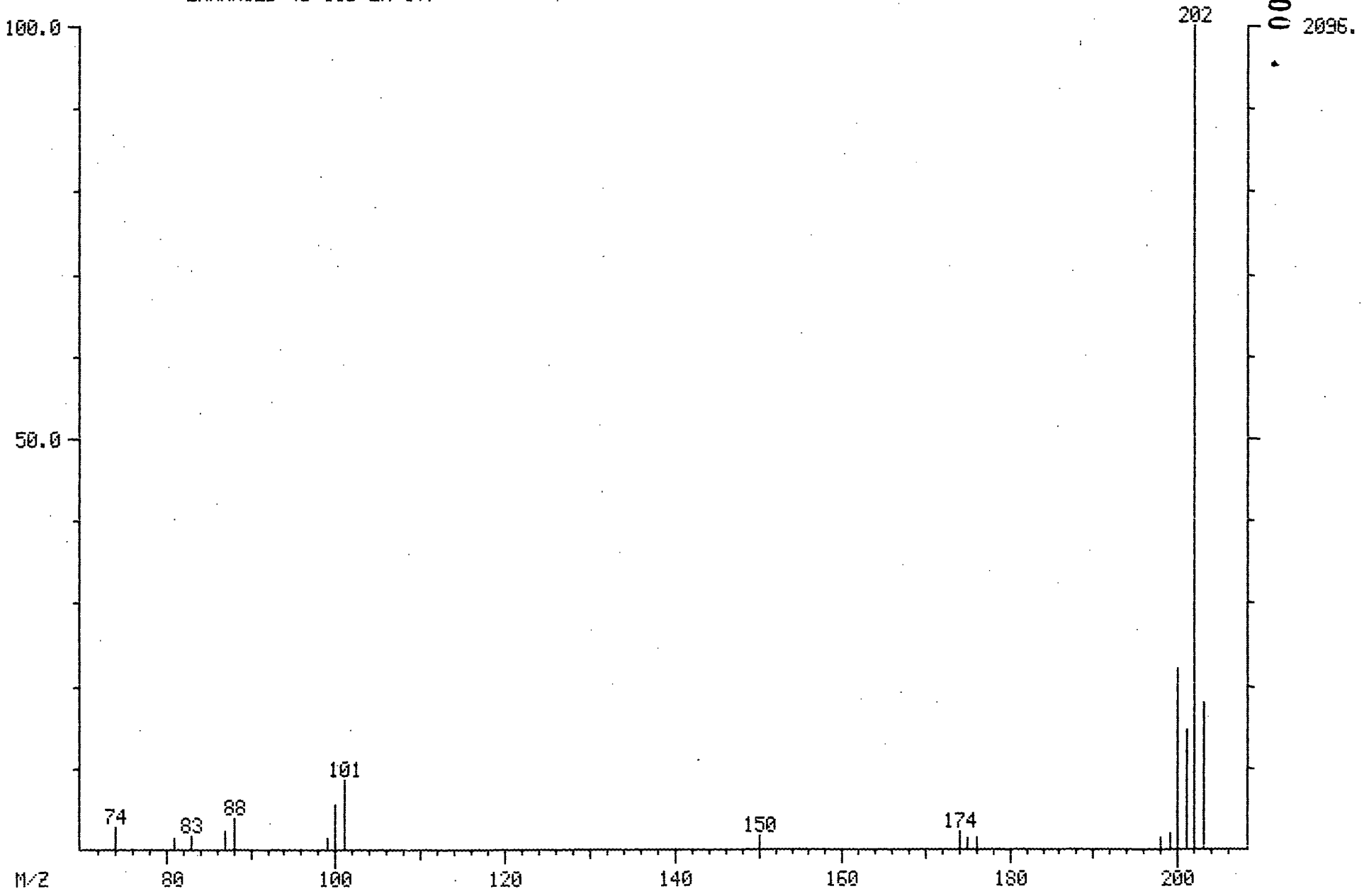


MID MASS SPECTRUM
06/15/91 1:56:00 + 25:53
SAMPLE: S1 91-13585
CONDS.: MS-B CASE: EOH0022
GC TEMP: 259 DEG. C
ENHANCED (S 15B 2N 0T)

DATA: AD23513585 #1610
CALI: AD23513585 #2

BASE M/Z: 202
RIC: 4036.

00346

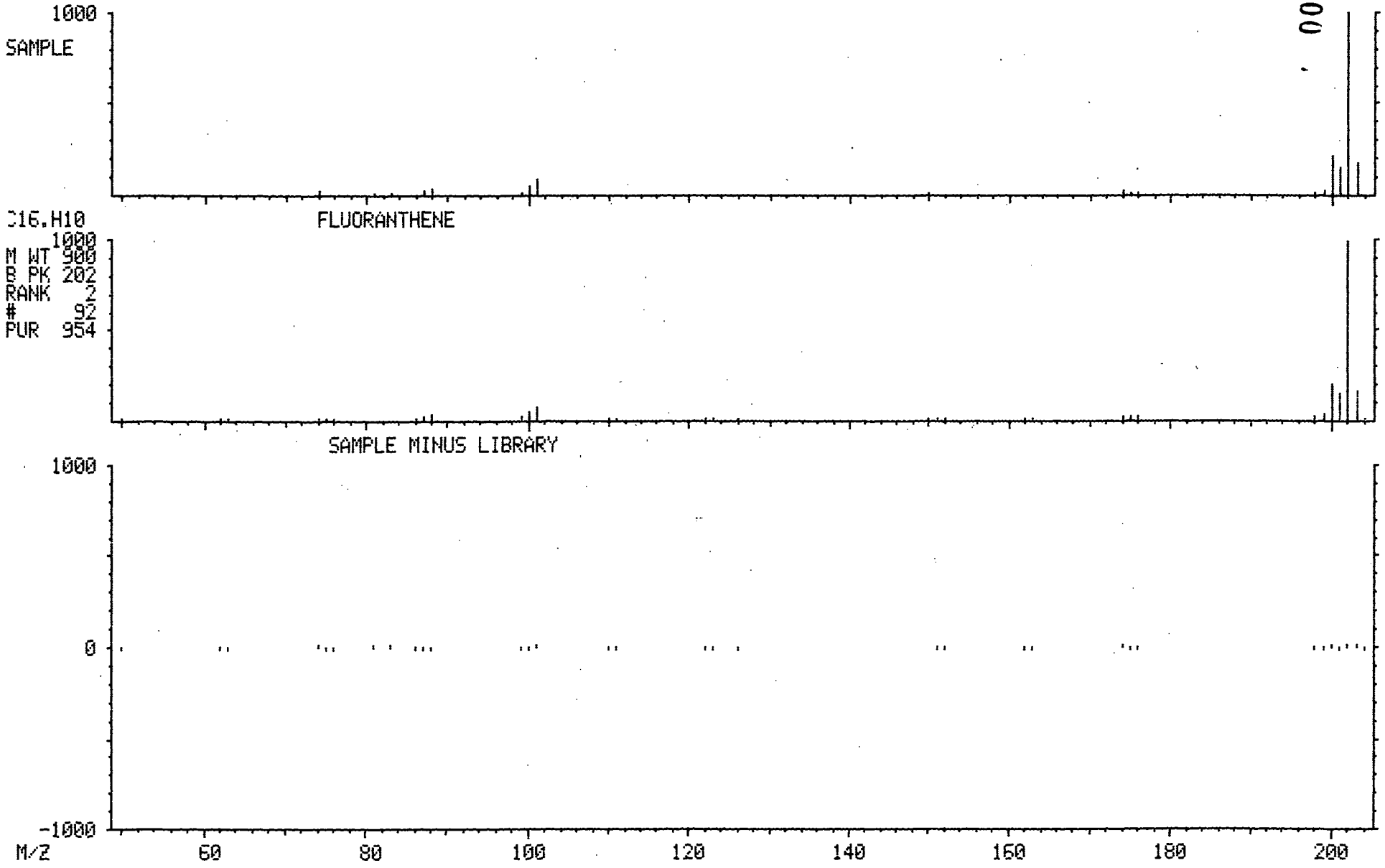


MID LIBRARY SEARCH
06/15/91 1:56:00 + 25:53
SAMPLE: S1 91-13585
CONDS.: MS-B CASE: EOH0022
ENHANCED (S 15B 2N 0T)

DATA: AD23S13585 #1610
CALI: AD23S13585 # 2

BASE M/Z: 202
RIC: 4035.

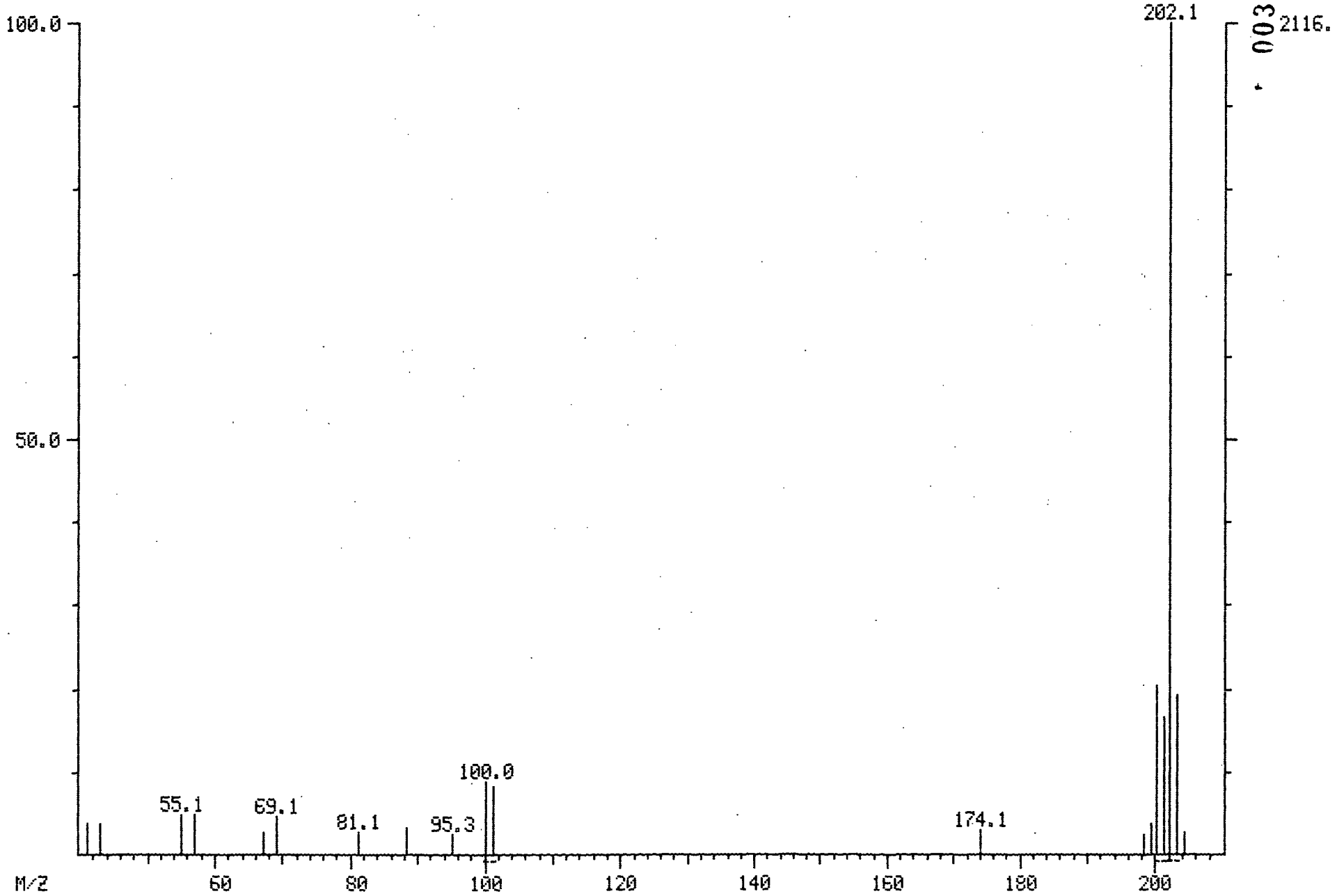
00347



MID MASS SPECTRUM
06/15/91 1:56:00 + 26:29
SAMPLE: S1 91-13585
CONDS.: MS-B CASE: EOH0022
GC TEMP: 265 DEG. C

DATA: AD23513585 #1647
CALI: AD23513585 #2

BASE M/Z: 202
RIC: 4640.

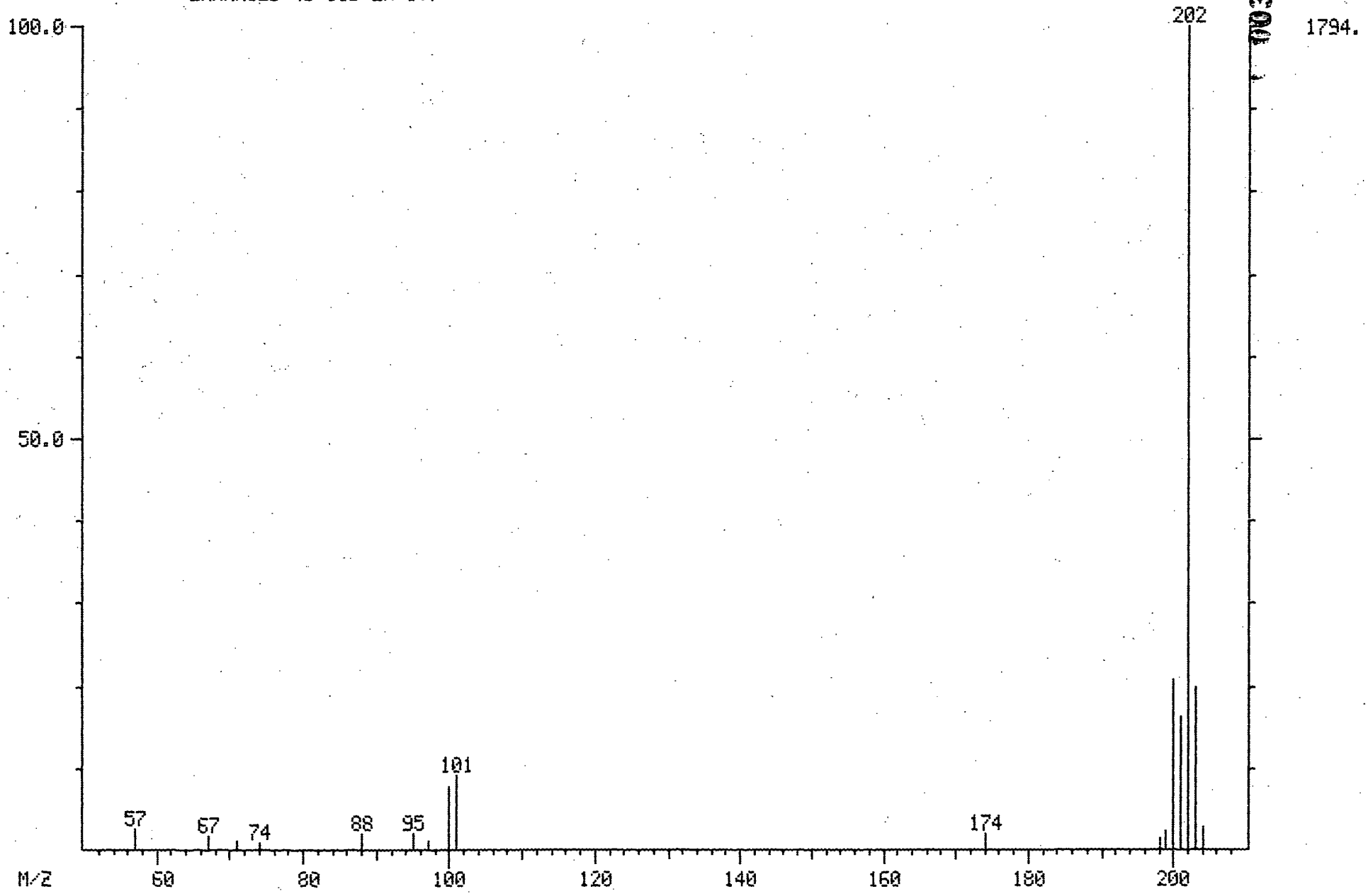


00348

MID MASS SPECTRUM
06/15/91 1:56:00 + 26:29
SAMPLE: S1 91-13585
CONDS.: MS-B CASE: EOH0022
GC TEMP: 265 DEG. C
ENHANCED (S 15B 2N 0T)

DATA: AD23513585 #1647
CALI: AD23513585 #2

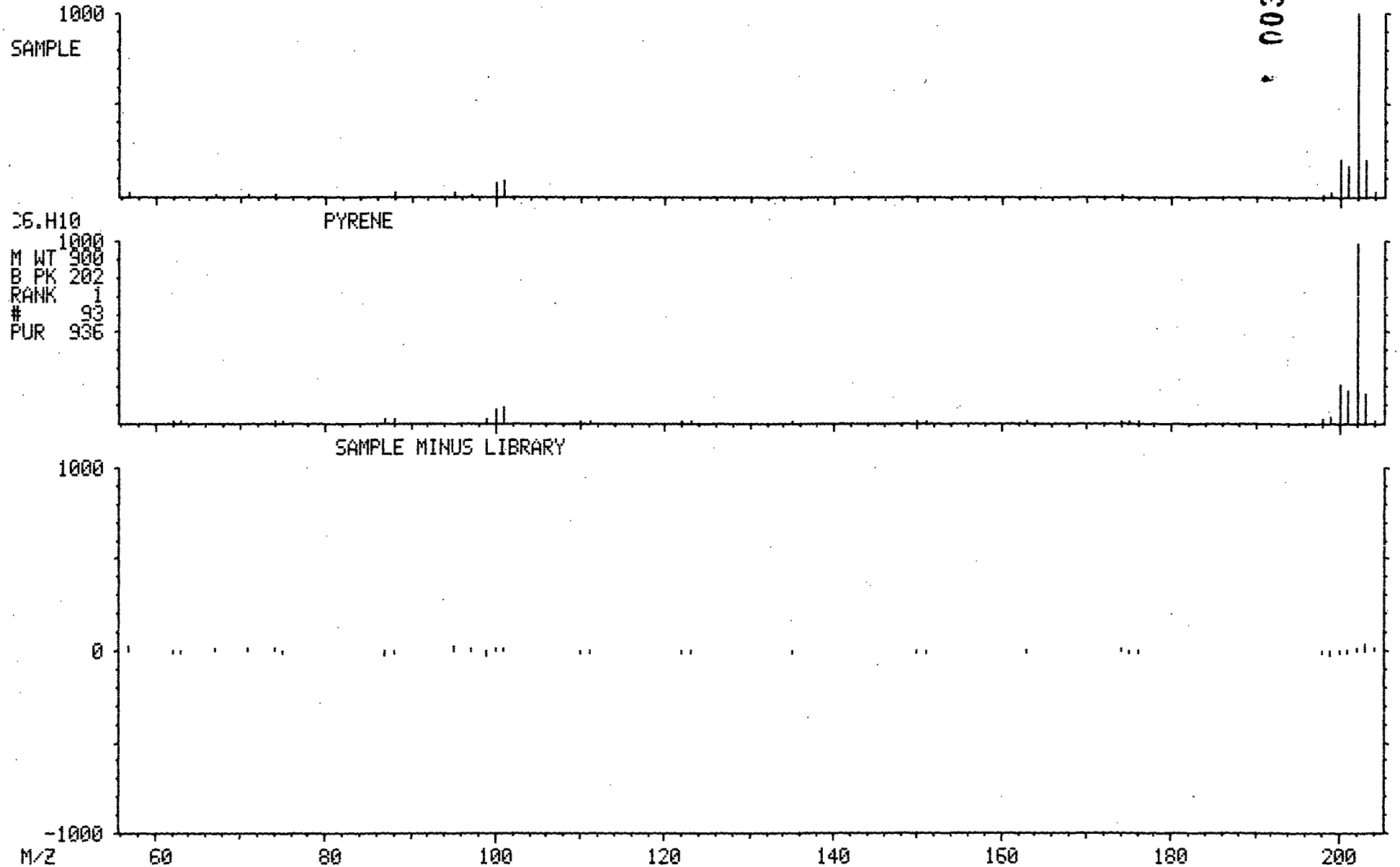
BASE M/Z: 202
RIC: 3468.



MID LIBRARY SEARCH
06/15/91 1:56:00 + 26:29
SAMPLE: S1 91-13585
CONDS.: MS-B CASE: EOH0022
ENHANCED (S 15B 2N 0T)

DATA: AD23S13585 #1647 BASE M/Z: 202
CALI: AD23S13585 # 2 RIC: 3467.

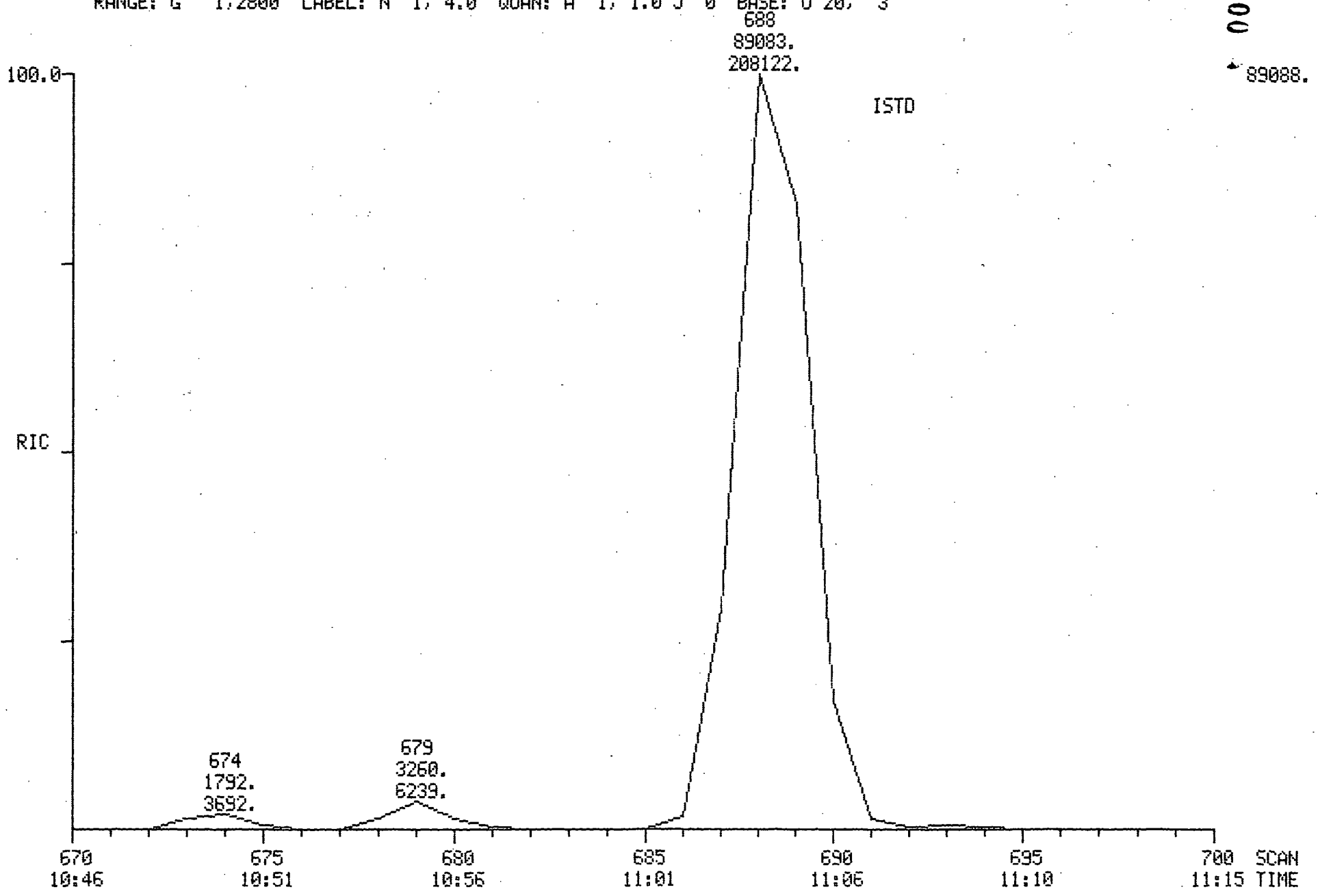
00350



MIDRIC
06/15/91 1:56:00
SAMPLE: S1 91-13585
CONDS.: MS-B CASE: EOH0022
RANGE: G 1,2800 LABEL: N 1, 4.0 QUAN: A 1, 1.0 J 0 BASE: U 20, 3

DATA: AD23S13585 #688 SCANS 670 TO 700
CALI: AD23S13585 #2

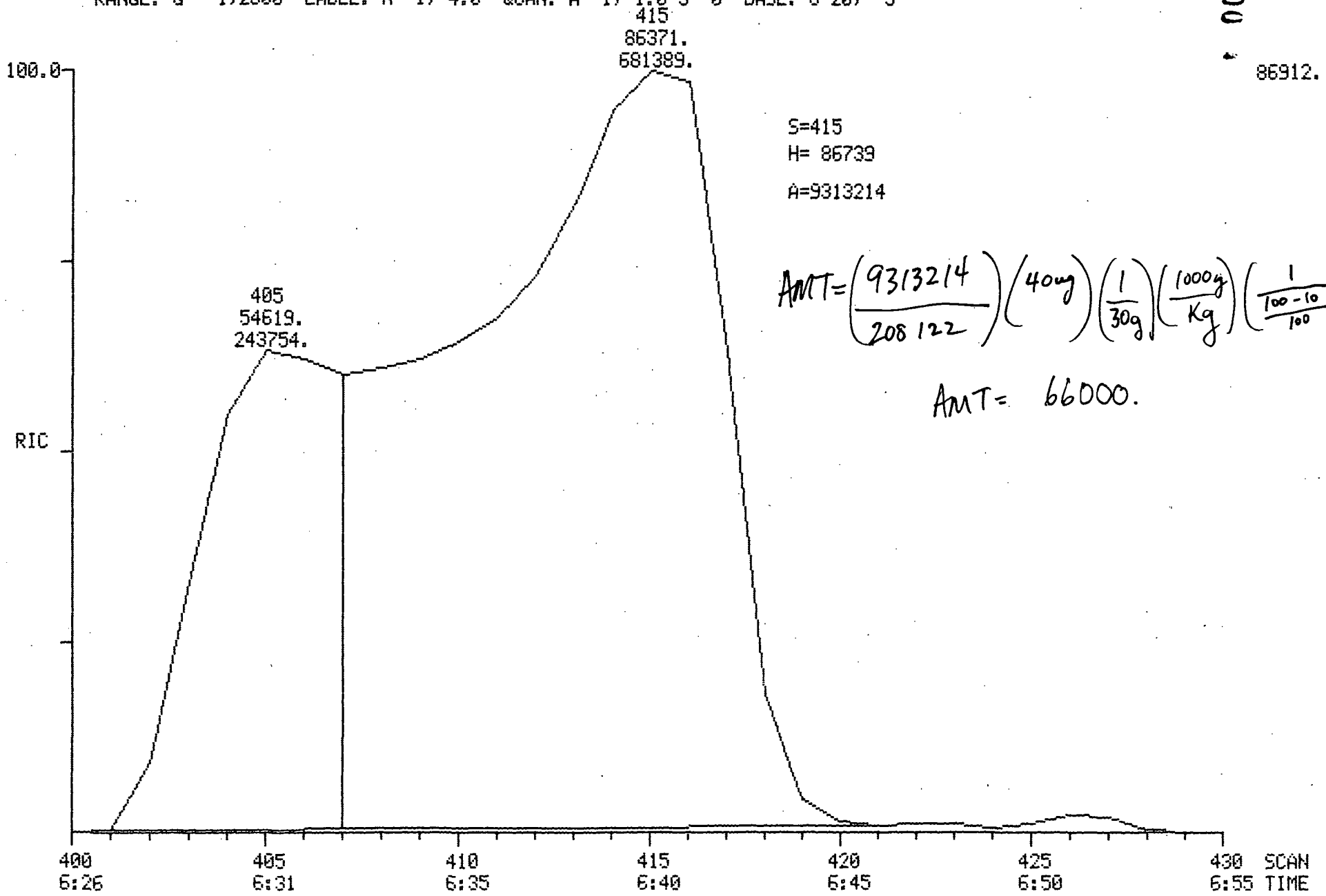
00351



MIDRIC
06/15/91 1:56:00
SAMPLE: S1 91-13585
CONDS.: MS-B CASE: EOH0022
RANGE: G 1,2800 LABEL: N 1, 4.0 QUAN: A 1, 1.0 J 0 BASE: U 20, 3

DATA: AD23513585 #1 SCANS 400 TO 430
CALI: AD23513585 #2

00352



S=415
H= 86739
A=9313214

$$AMT = \left(\frac{9313214}{208\,122}\right)\left(40mg\right)\left(\frac{1}{30g}\right)\left(\frac{1000g}{Kg}\right)\left(\frac{1}{\frac{100-10}{100}}\right) =$$

AMT = 66000.

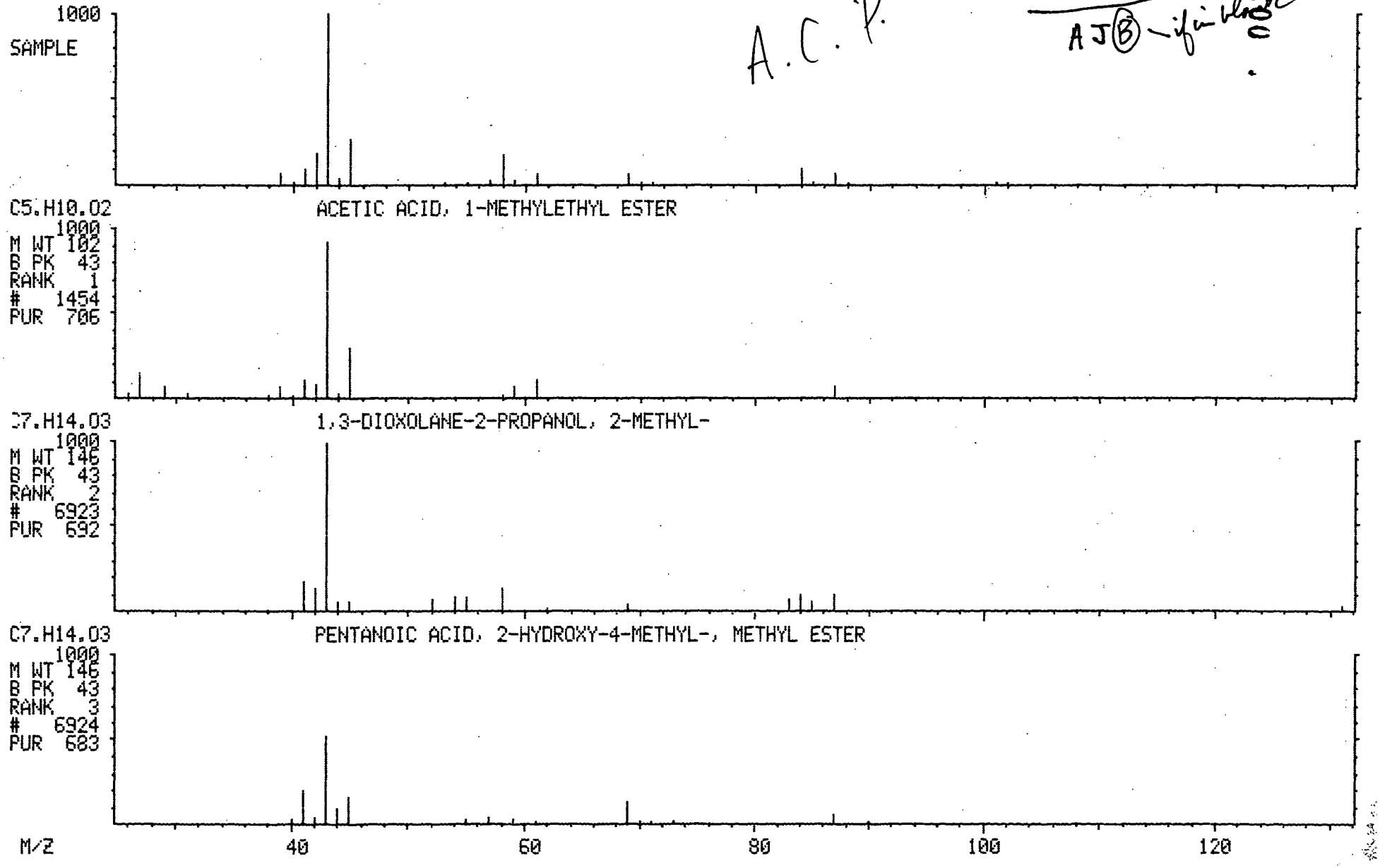
MID LIBRARY SEARCH
06/15/91 1:56:00 + 6:40
SAMPLE: S1 91-13585
CONDS.: MS-B CASE: EOH0022
ENHANCED (S 15B 2N 0T)

DATA: AD23S13585 # 415 BASE M/Z: 43
CALI: AD23S13585 # 2 RIC: 61951.

A.C.P.

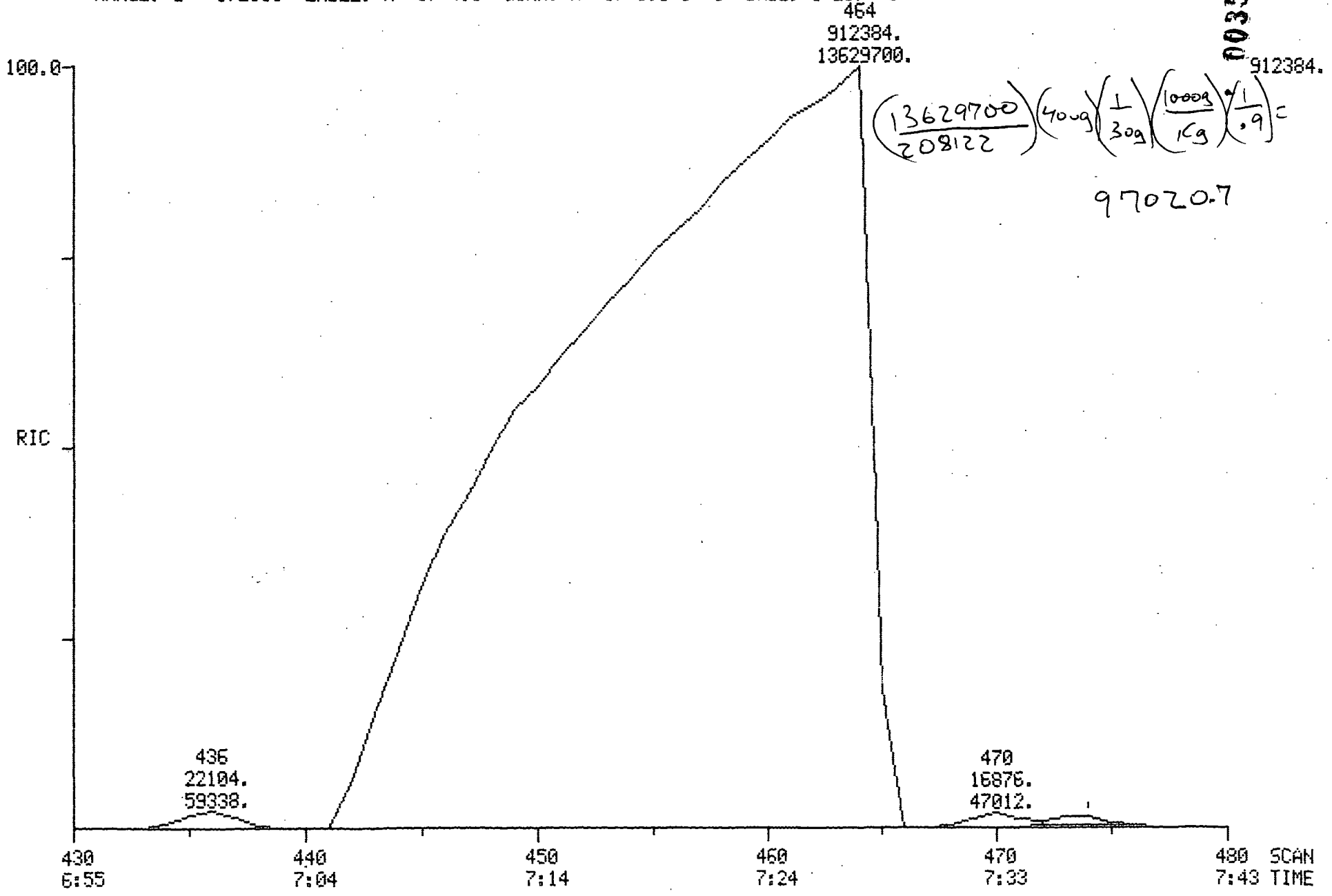
QUALIFIERS
AJ(B) - if in blank

00353



MIDRIC
06/15/91 1:56:00
SAMPLE: S1 91-13585
CONDS.: MS-B CASE: EOH0022
RANGE: G 1,2800 LABEL: N 1, 4.0 QUAN: A 1, 1.0 J 0 BASE: U 20, 3

DATA: AD23S13585 #1 SCANS 430 TO 480
CALI: AD23S13585 #2



$\left(\frac{13629700}{208122}\right)(400g)\left(\frac{1}{30g}\right)\left(\frac{1000g}{1Kg}\right)\left(\frac{1}{.9}\right) =$

970207

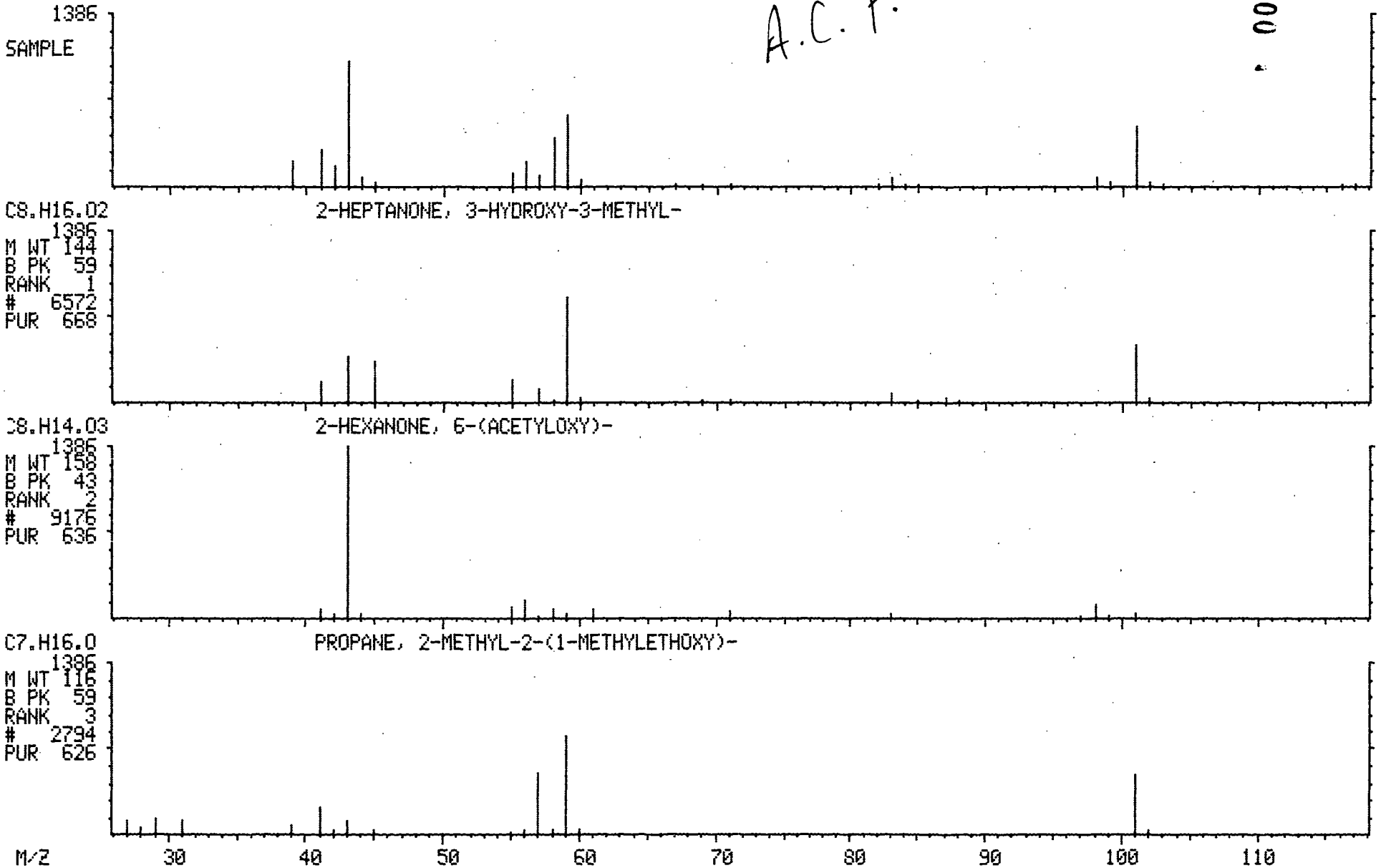
00354

MID LIBRARY SEARCH
06/15/91 1:56:00 + 7:28
SAMPLE: S1 91-13585
CONDS.: MS-B CASE: EOH0022
ENHANCED (S 15B 2N 0T)

DATA: AD23513585 # 464 BASE M/Z: 43
CALI: AD23513585 # 2 RIC: 406015.

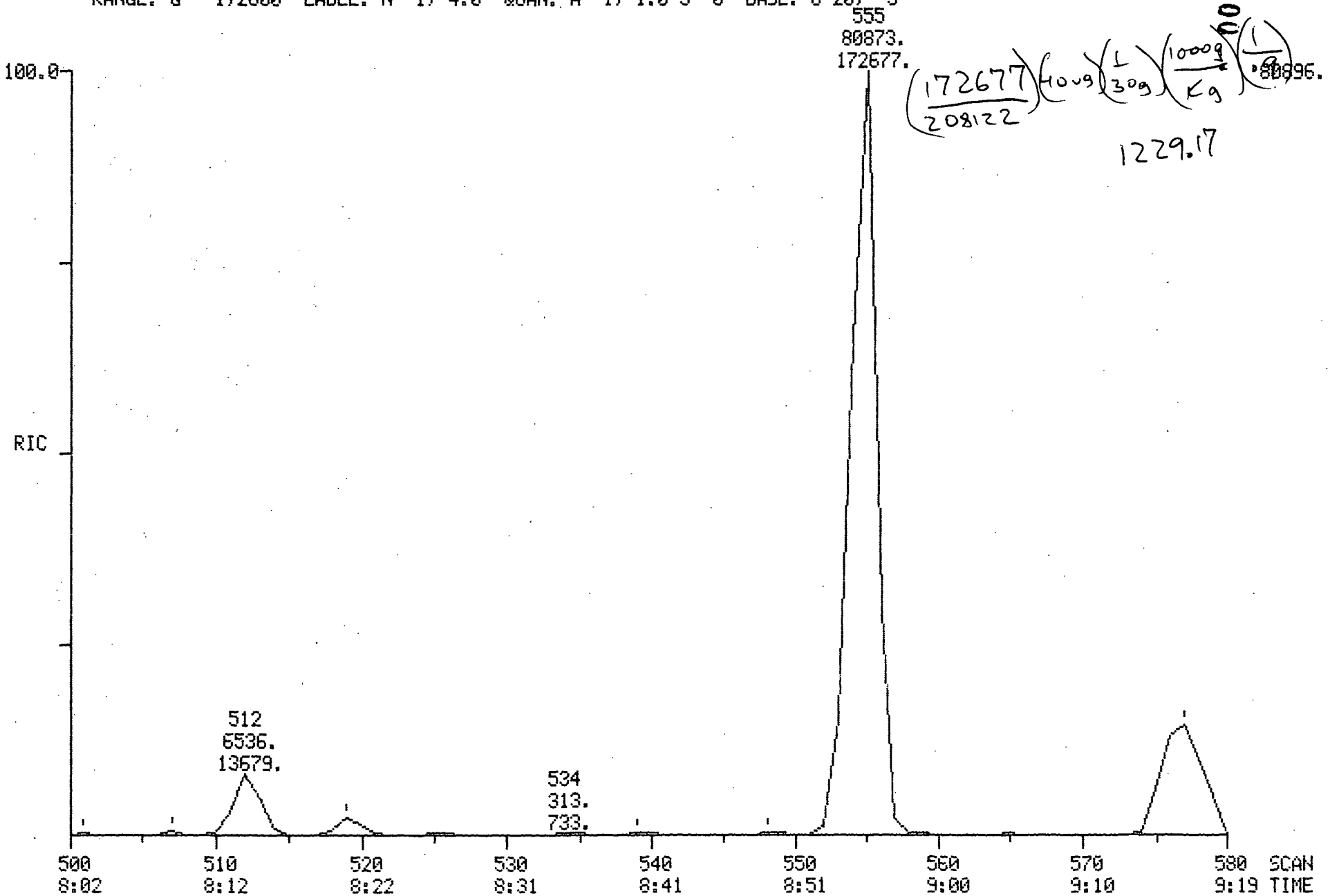
A.C.P.

00355



MIDRIC
06/15/91 1:56:00
SAMPLE: S1 91-13585
CONDS.: MS-B CASE: EOH0022
RANGE: G 1,2800 LABEL: N 1, 4.0 QUAN: A 1, 1.0 J 0 BASE: U 20, 3

DATA: AD23513585 #470 SCANS 500 TO 580
CALI: AD23513585 #2



$\left(\frac{172677}{208122}\right)\left(100g\right)\left(\frac{1}{30g}\right)\left(\frac{1000g}{Kg}\right)\left(\frac{1}{8}\right)$

1229.17

00356

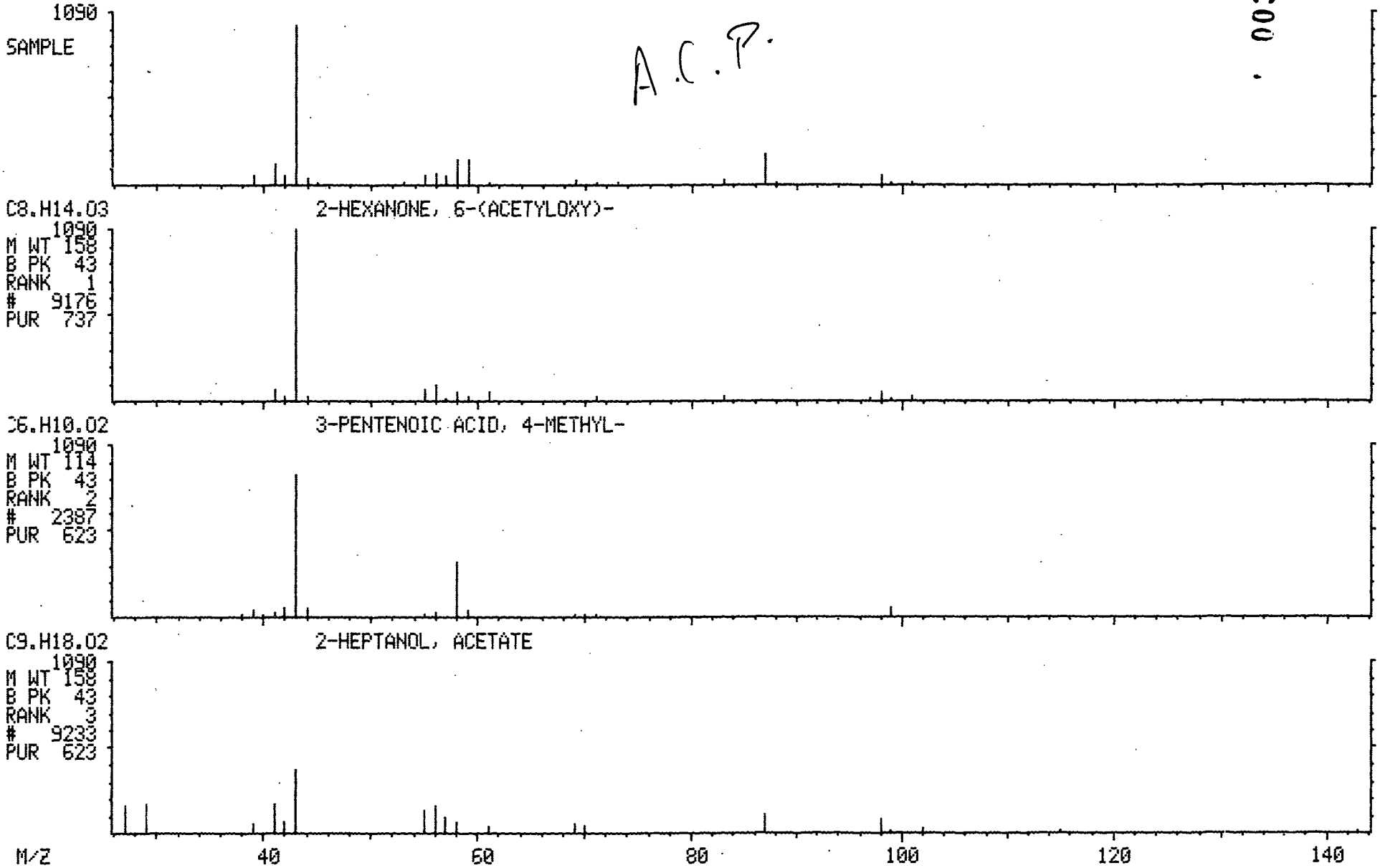
MID LIBRARY SEARCH
06/15/91 1:56:00 + 8:55
SAMPLE: S1 91-13585
CONDS.: MS-B CASE: EOH0022
ENHANCED (S 15B 2N 0T)

DATA: AD23S13585 # 555
CALI: AD23S13585 # 2

BASE M/Z: 43
RIC: 63167.

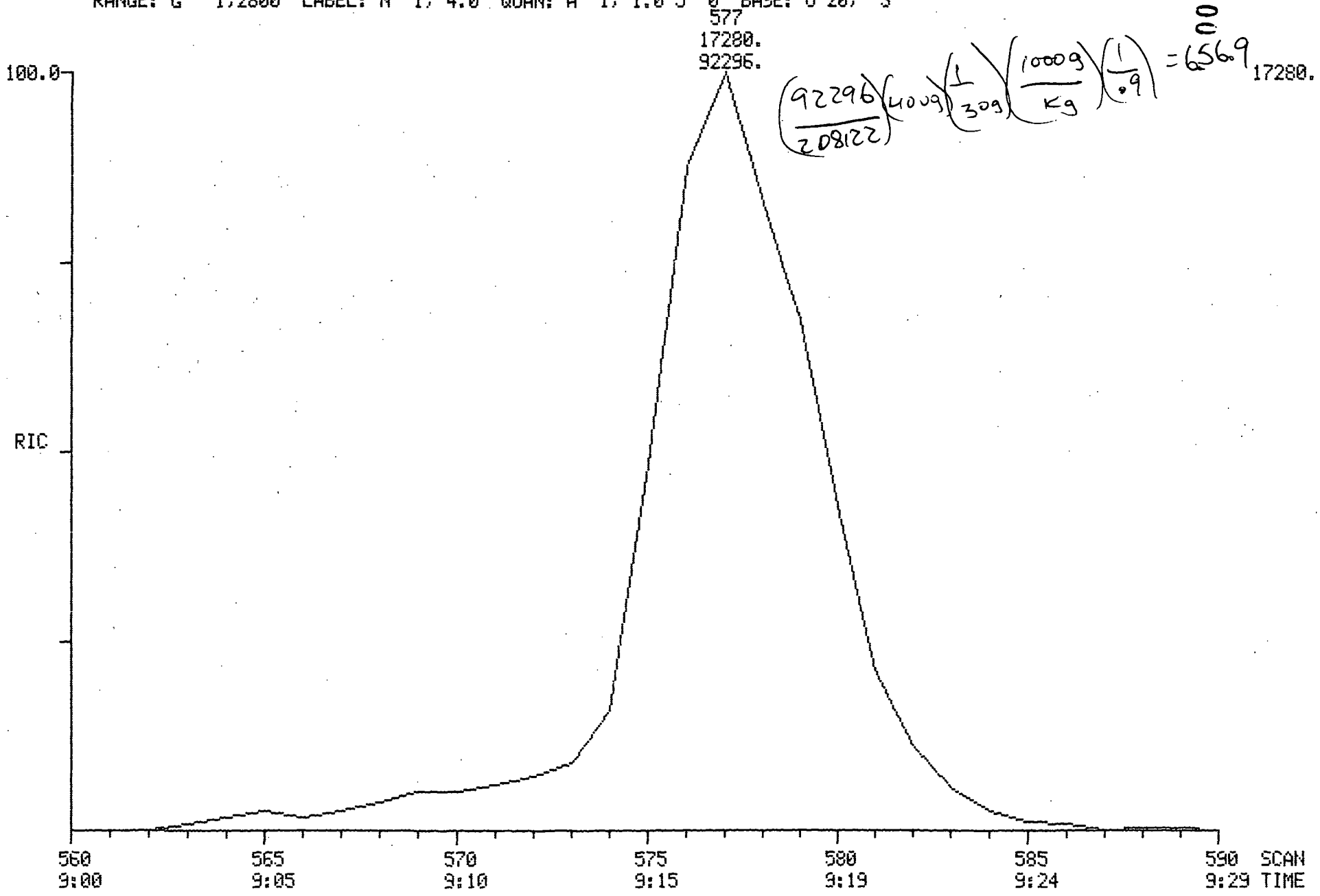
A.C.P.

. 00357



MIDRIC
06/15/91 1:56:00
SAMPLE: S1 91-13585
CONDS.: MS-B CASE: EOH0022
RANGE: G 1,2800 LABEL: N 1, 4.0 QUAN: A 1, 1.0 J 0 BASE: U 20, 3

DATA: AD23S13585 #470 SCANS 560 TO 590
CALI: AD23S13585 #2



$\left(\frac{92296}{208122}\right)\left(400g\right)\left(\frac{1}{30g}\right)\left(\frac{1000g}{kg}\right)\left(\frac{1}{.9}\right) = 6569$

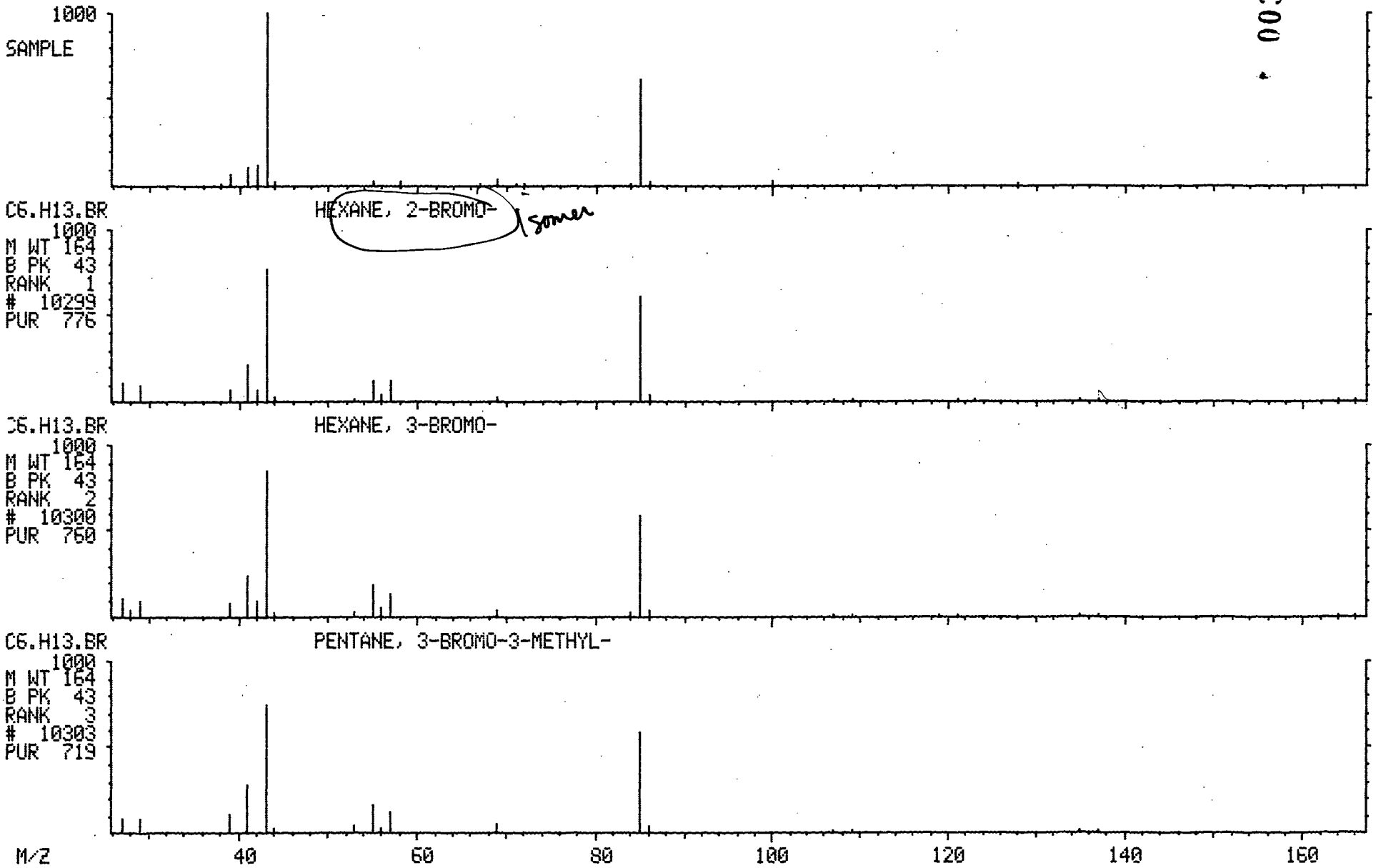
00358

MID LIBRARY SEARCH
06/15/91 1:56:00 + 9:17
SAMPLE: S1 91-13585
CONDS.: MS-B CASE: EOH0022
ENHANCED (S 15B 2N 0T)

DATA: AD23513585 # 577
CALI: AD23513585 # 2

BASE M/Z: 43
RIC: 15519.

00359

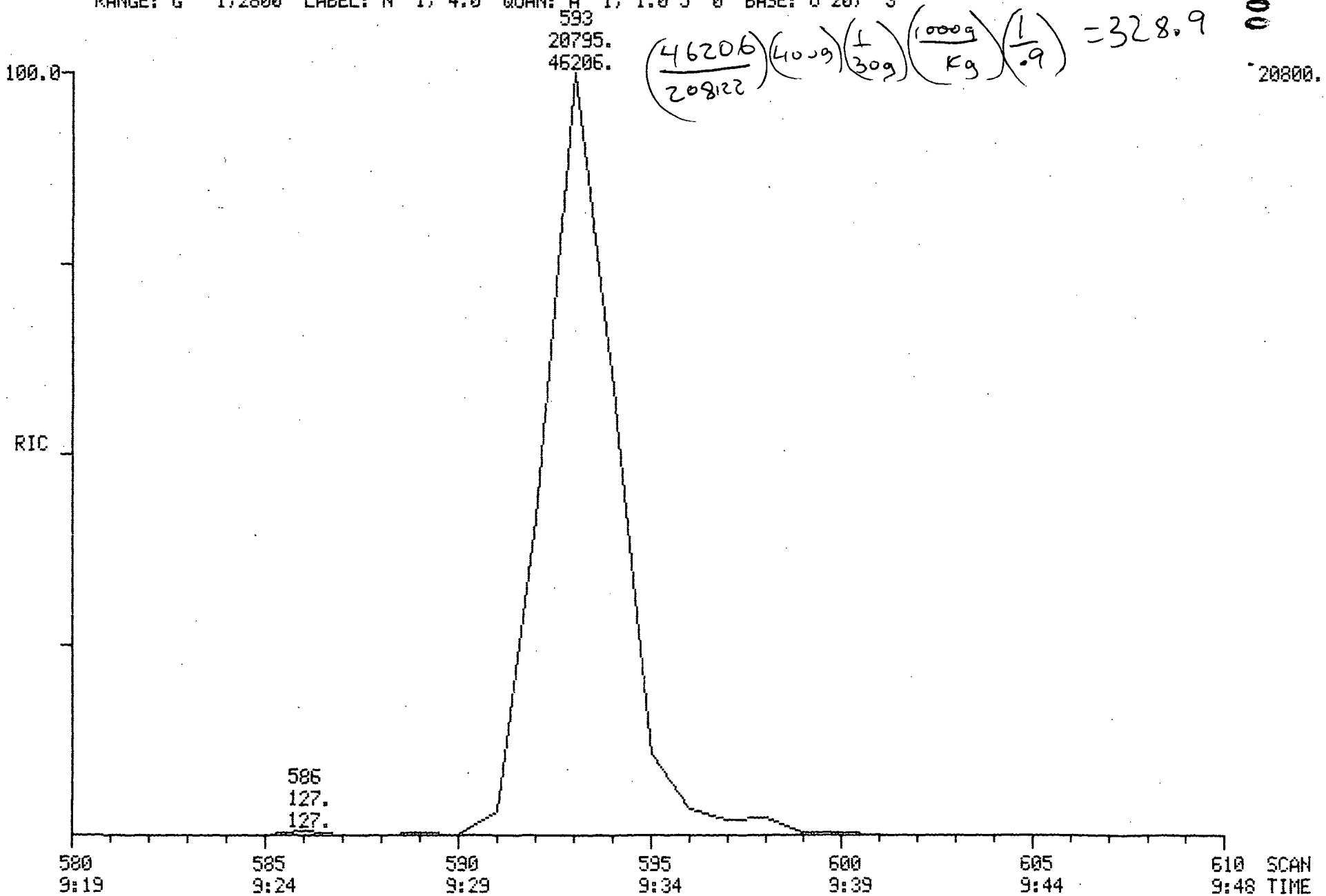


MIDRIC
06/15/91 1:56:00
SAMPLE: S1 91-13585
CONDS.: MS-B CASE: EOH0022
RANGE: G 1,2800 LABEL: N 1, 4.0 QUAN: A 1, 1.0 J 0 BASE: U 20, 3

DATA: AD23513585 #470 SCANS 580 TO 610
CALI: AD23513585 #2

00360

$\left(\frac{46206}{208122}\right)\left(400g\right)\left(\frac{1}{30g}\right)\left(\frac{1000g}{Kg}\right)\left(\frac{1}{.9}\right) = 328.9$

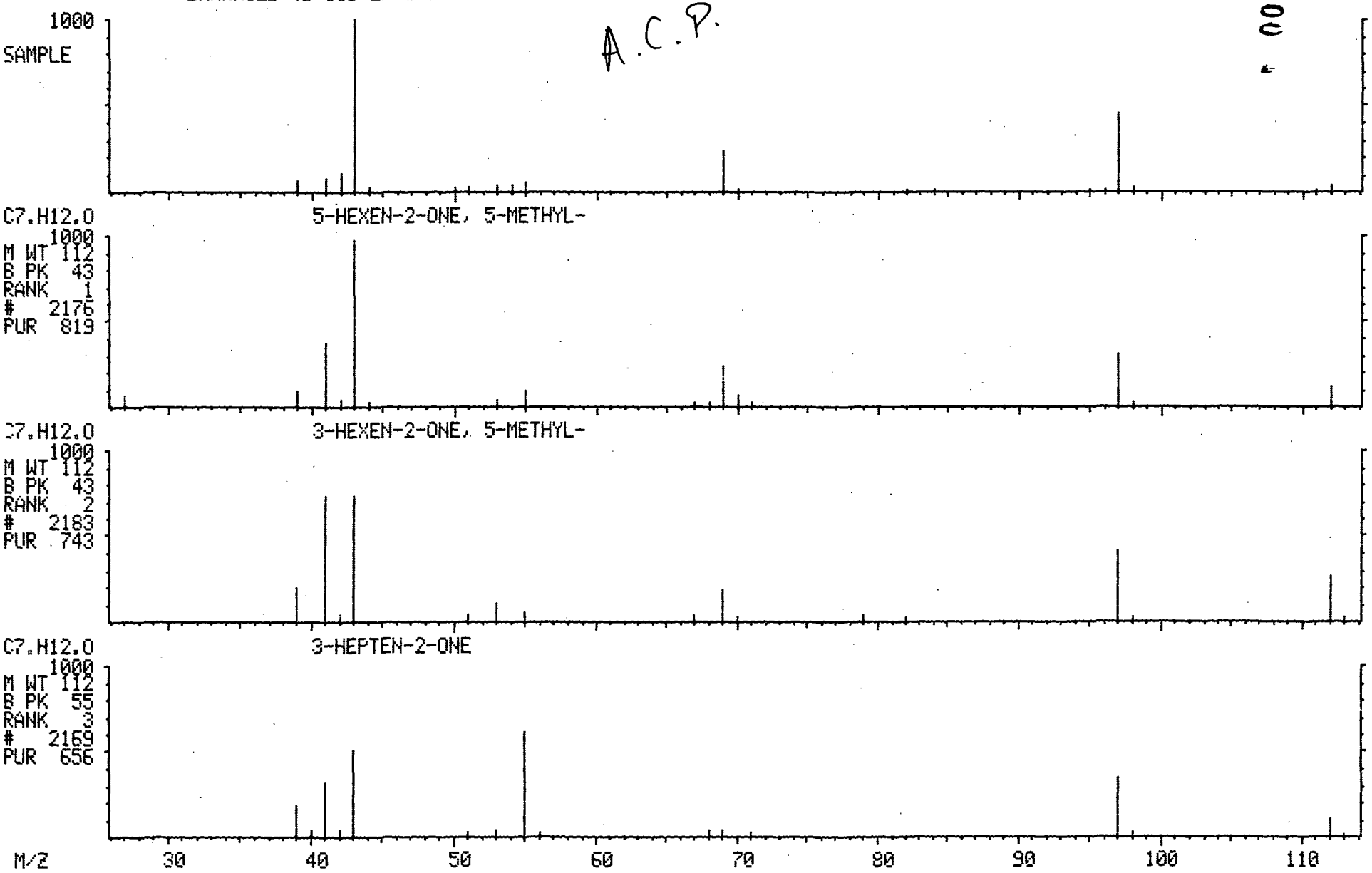


MID LIBRARY SEARCH
06/15/91 1:56:00 + 9:32
SAMPLE: S1 91-13585
CONDS.: MS-B CASE: EOH0022
ENHANCED (S 15B 2N 0T)

DATA: AD23513585 # 593 BASE M/Z: 43
CALI: AD23513585 # 2 RIC: 16703.

A.C.P.

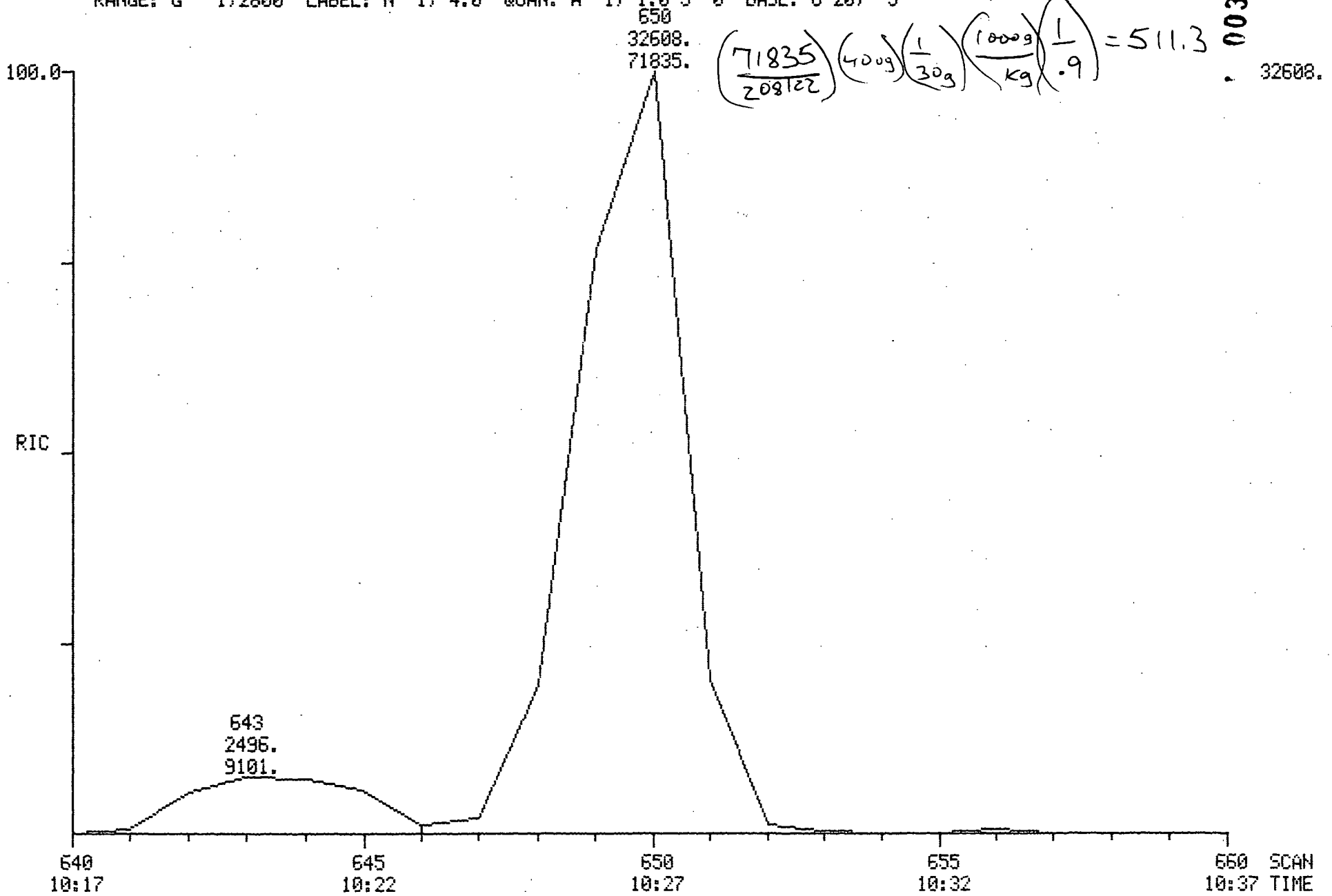
00361



MIDRIC
06/15/91 1:56:00
SAMPLE: S1 91-13585
CONDS.: MS-B CASE: EOH0022
RANGE: G 1,2800 LABEL: N 1, 4.0 QUAN: A 1, 1.0 J 0 BASE: U 20, 3

DATA: AD23S13585 #470 SCANS 640 TO 660
CALI: AD23S13585 #2

00362



$\left(\frac{71835}{208122}\right)(400g)\left(\frac{1}{30g}\right)\left(\frac{1000g}{kg}\right)\left(\frac{1}{.9}\right) = 511.3$

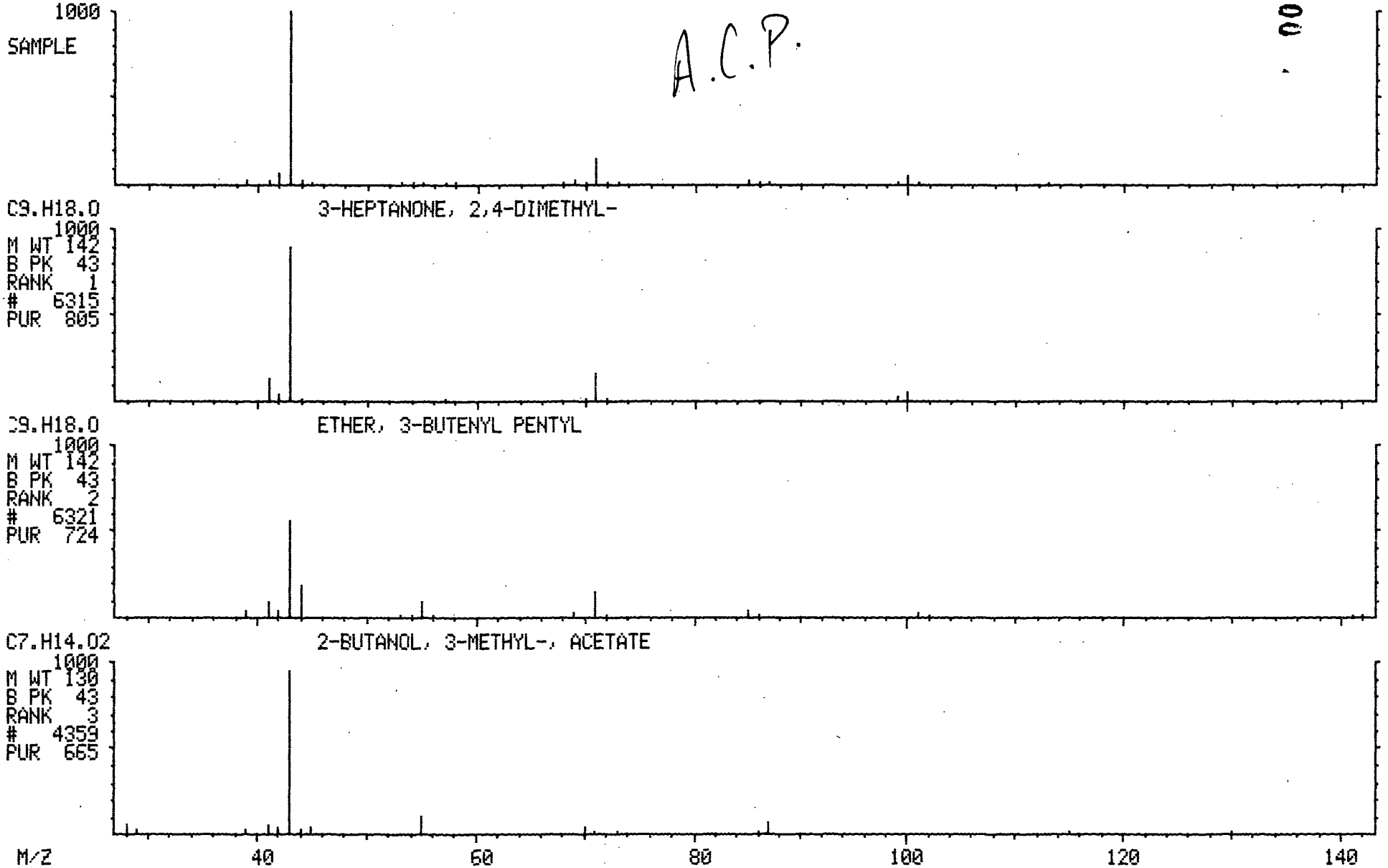
MID LIBRARY SEARCH
06/15/91 1:56:00 + 10:26
SAMPLE: S1 91-13585
CONDS.: MS-B CASE: EOH0022
ENHANCED (S 15B 2N 0T)

DATA: AD23S13585 # 649
CALI: AD23S13585 # 2

BASE M/Z: 43
RIC: 24607.

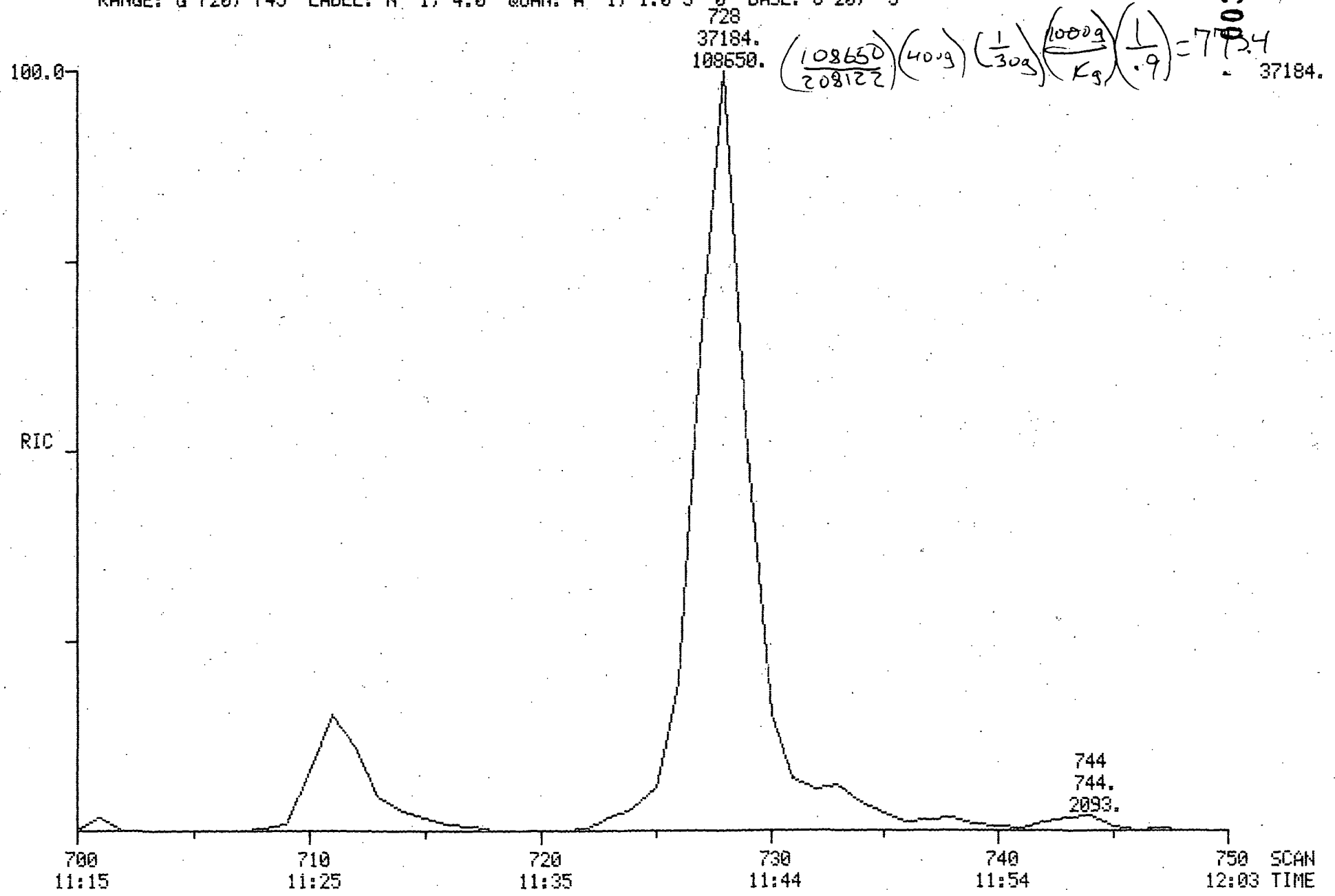
00363

A.C.P.



MIDRIC
06/15/91 1:56:00
SAMPLE: S1 91-13585
CONDS.: MS-B CASE: EOH0022
RANGE: G 720, 745 LABEL: N 1, 4.0 QUAN: A 1, 1.0 J 0 BASE: U 20, 3

DATA: AD23513585 #688 SCANS 700 TO 750
CALI: AD23513585 #2



$\left(\frac{108650}{208122}\right)(40g)\left(\frac{1}{30g}\right)\left(\frac{1000g}{Kg}\right)\left(\frac{1}{.9}\right) = 773.4$

00364

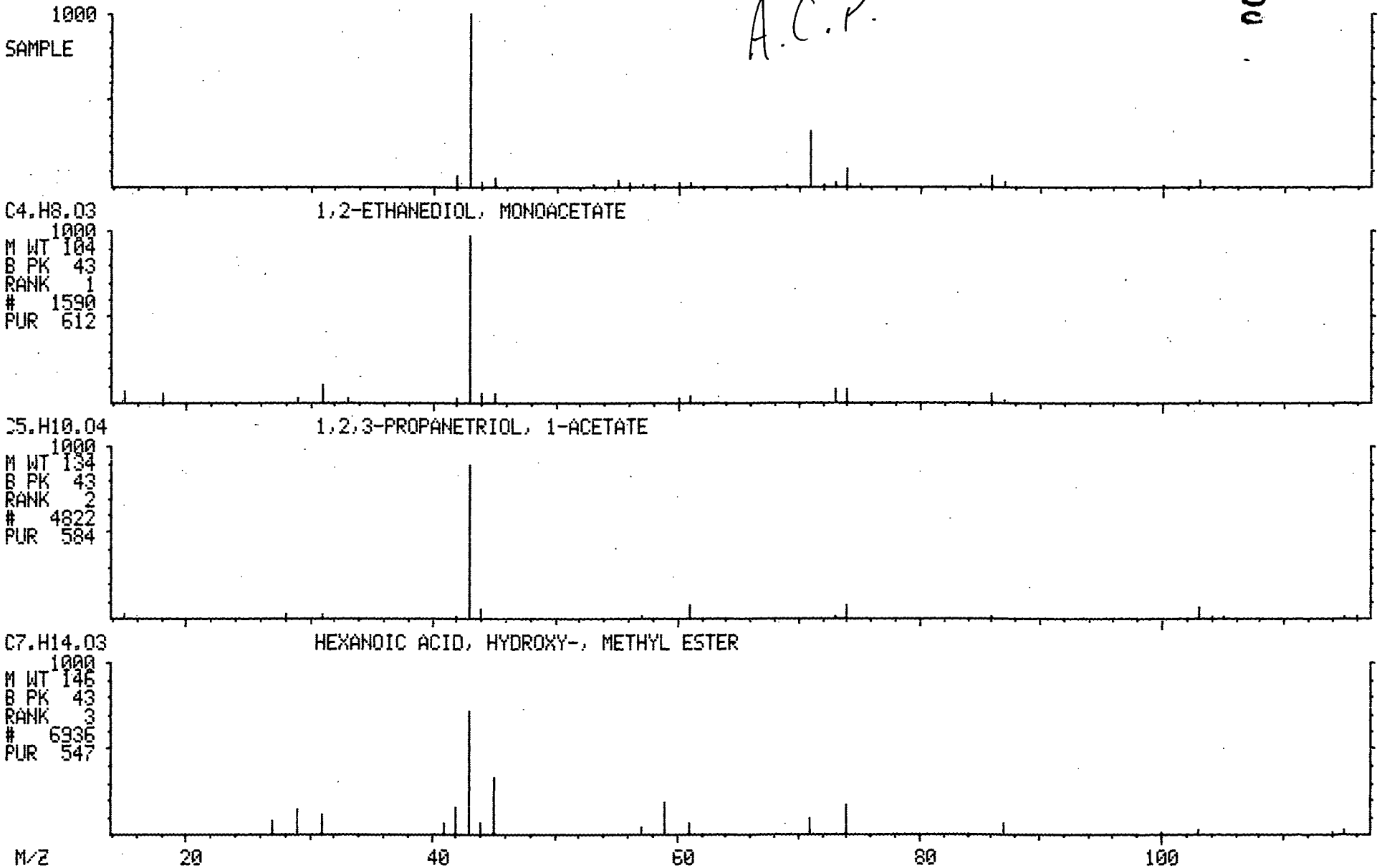
MID LIBRARY SEARCH
06/15/91 1:56:00 + 11:42
SAMPLE: S1 91-13585
CONDS.: MS-B CASE: EOH0022
ENHANCED (S 15B 2N 0T)

DATA: AD23513585 # 728
CALI: AD23513585 # 2

BASE M/Z: 43
RIC: 30847.

A.C.P.

00365



1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S2

Lab Name: DATACHEM LABS Contract: 19005

Lab Code: DATAC Case No.: E0H00022 SAS No.: _____ SDG No.: 13585

Matrix: (soil/water) SOIL Lab Sample ID: 91-13586

Sample wt/vol: 30 (g/mL) G Lab File ID: AD30S13586

Level: (low/med) LOW Date Received: 06/07/91

% Moisture: not dec. _____ dec. 9 Date Extracted: 06/14/91

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 06/15/91

GPC Cleanup: (Y/N) N pH: 5.0 Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	360.	u
111-44-4	bis(2-Chloroethyl)ether	360.	u
95-57-8	2-Chlorophenol	360.	u
541-73-1	1,3-Dichlorobenzene	360.	u
106-46-7	1,4-Dichlorobenzene	360.	u
100-51-6	Benzyl alcohol	360.	u
95-50-1	1,2-Dichlorobenzene	360.	u
95-48-7	2-Methylphenol	360.	u
108-60-1	bis(2-Chloroisopropyl)ether	360.	u
106-44-5	4-Methylphenol	360.	u
621-64-7	N-Nitroso-di-n-propylamine	360.	u
67-72-1	Hexachloroethane	360.	u
98-95-3	Nitrobenzene	360.	u
78-59-1	Isophorone	360.	u
88-75-5	2-Nitrophenol	360.	u
105-67-9	2,4-Dimethylphenol	360.	u
65-85-0	Benzoic acid	1800.	u
111-91-1	bis(2-Chloroethoxy)methane	360.	u
120-83-2	2,4-Dichlorophenol	360.	u
120-82-1	1,2,4-Trichlorobenzene	360.	u
91-20-3	Naphthalene	360.	u
106-47-8	4-Chloroaniline	360.	u
87-68-3	Hexachlorobutadiene	360.	u
59-50-7	4-Chloro-3-methylphenol	360.	u
91-57-6	2-Methylnaphthalene	360.	u
77-47-4	Hexachlorocyclopentadiene	360.	u
88-06-2	2,4,6-Trichlorophenol	360.	u
95-95-4	2,4,5-Trichlorophenol	1800.	u
91-58-7	2-Chloronaphthalene	360.	u
88-74-4	2-Nitroaniline	1800.	u
131-11-3	Dimethylphthalate	~~3600.~~ 360.	u
208-96-8	Acenaphthylene	360.	u
606-20-2	2,6-Dinitrotoluene	360.	u

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SZ

Lab Name: DATACHEM LABS Contract: 19005

Lab Code: DATAC Case No.: [illegible] SAS No.: _____ SDG No.: 13585

Matrix: (soil/water) SOIL Lab Sample ID: 91-13586

Sample wt/vol: 30 (g/ml) G Lab File ID: AD30S13586

Level: (low/med) LOW Date Received: 06/07/91

% Moisture: not dec. _____ dec. 9. Date Extracted: 06/14/91

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 06/15/91

GPC Cleanup: (Y/N) N pH: 5.0 Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
99-09-2	3-Nitroaniline	1800.	U
83-32-9	Acenaphthene	360.	U
51-28-5	2,4-Dinitrophenol	1800.	U
100-02-7	4-Nitrophenol	1800.	U
132-64-9	Dibenzofuran	360.	U
121-14-2	2,4-Dinitrotoluene	360.	U
84-66-2	Diethylphthalate	360.	U
7005-72-3	4-Chlorophenyl-phenylether	360.	U
86-73-7	Fluorene	360.	U
100-01-6	4-Nitroaniline	1800.	U
534-52-1	4,6-Dinitro-2-methylphenol	1800.	U
86-30-6	N-Nitrosodiphenylamine (1)	360.	U
101-55-3	4-Bromophenyl-phenylether	360.	U
118-74-1	Hexachlorobenzene	360.	U
87-86-5	Pentachlorophenol	1800.	U
85-01-8	Phenanthrene	30.	J
120-12-7	Anthracene	360.	U
84-74-2	Di-n-butylphthalate	360.	U
206-44-0	Fluoranthene	85.	J
129-00-0	Pyrene	81.	J
85-68-7	Butylbenzylphthalate	360.	U
91-94-1	3,3'-Dichlorobenzidine	730.	U
56-55-3	Benzo(a)anthracene	360.	U
218-01-9	Chrysene	360.	U
117-81-7	bis(2-Ethylhexyl)phthalate	410.	B
117-84-0	Di-n-octylphthalate	360.	U
205-99-2	Benzo(b)fluoranthene	360.	U
207-08-9	Benzo(k)fluoranthene	360.	U
50-32-8	Benzo(a)pyrene	360.	U
193-39-5	Indeno(1,2,3-cd)pyrene	360.	U
53-70-3	Dibenz(a,h)anthracene	360.	U
191-24-2	Benzo(g,h,i)perylene	360.	U

(1) - Cannot be separated from Diphenylamine

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

S2

Lab Name: DATACHEM LABS Contract: 19005

Lab Code: DATAC Case No.: E040022 SAS No.: _____ SDG No.: 13585

Matrix: (soil/water) SOIL Lab Sample ID: 91-13586

Sample wt/vol: 30 (g/mL) G Lab File ID: AD30S13586

Level: (low/med) LOW Date Received: 06/07/91

% Moisture: not dec. _____ dec. 9. Date Extracted: 06/14/91

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 06/15/91

GPC Cleanup: (Y/N) N pH: 5.0 Dilution Factor: 1.0

Number TICs found: 12

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

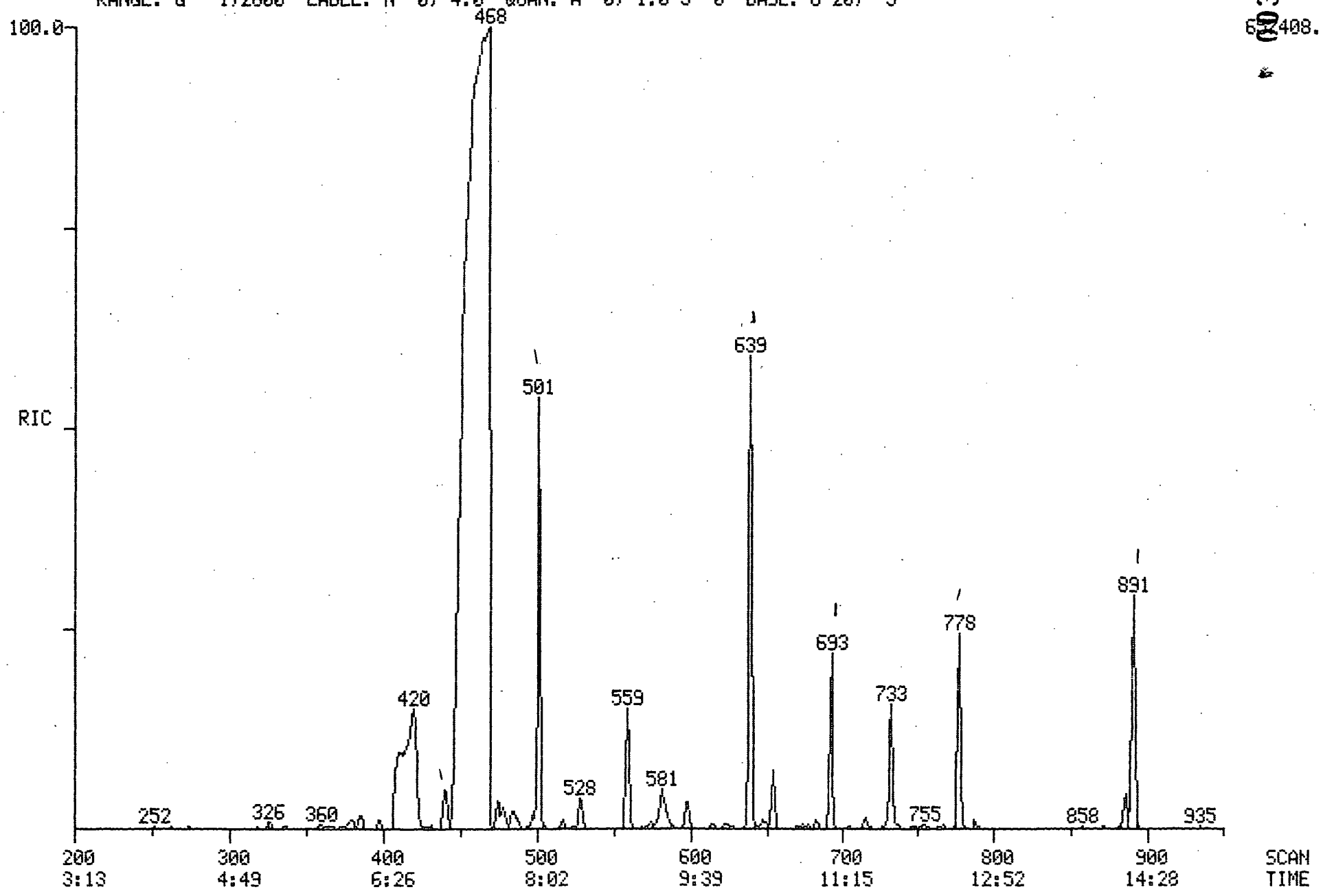
	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.		ALDOL CONDENSATION PRODUCT	6:45	4800.	AJB
2.		ALDOL CONDENSATION PRODUCT	7:31	55000.	AJB
3.		ALDOL CONDENSATION PRODUCT	8:29	300.	AJ
4.		ALDOL CONDENSATION PRODUCT	8:59	1000.	AJB
5.		ALDOL CONDENSATION PRODUCT	9:20	710.	AJB
6.		ALDOL CONDENSATION PRODUCT	9:36	250.	AJ
7.		ALDOL CONDENSATION PRODUCT	10:31	460.	AJ
8.		ALDOL CONDENSATION PRODUCT	11:47	1200.	AJ
9.		SUBSTITUTE BENZENE	22:14	230.	AJ
10.		SUBSTITUTED BENZENE	29:15	160.	AJ
11.		SUBSTITUTED BENZENE	30:22	160.	AJ
12.		SUBSTITUTED BENZENE	30:07	360.	AJ
13.					
14.					
15.					
16.					
17.					
18.					
19.					
20.					
21.					
22.					
23.					
24.					
25.					
26.					
27.					
28.					
29.					
30.					

MIDRIC
06/15/91 21:24:00
SAMPLE: S2 91-13586
CONDS.: MS-B CASE: EOH0022
RANGE: G 1,2800 LABEL: N 0, 4.0 QUAN: A 0, 1.0 J 0 BASE: U 20, 3

DATA: AD30S13586 #1 SCANS 200 TO 950
CALI: AD30S13586 #2

T.J. Masoran
6-17-91

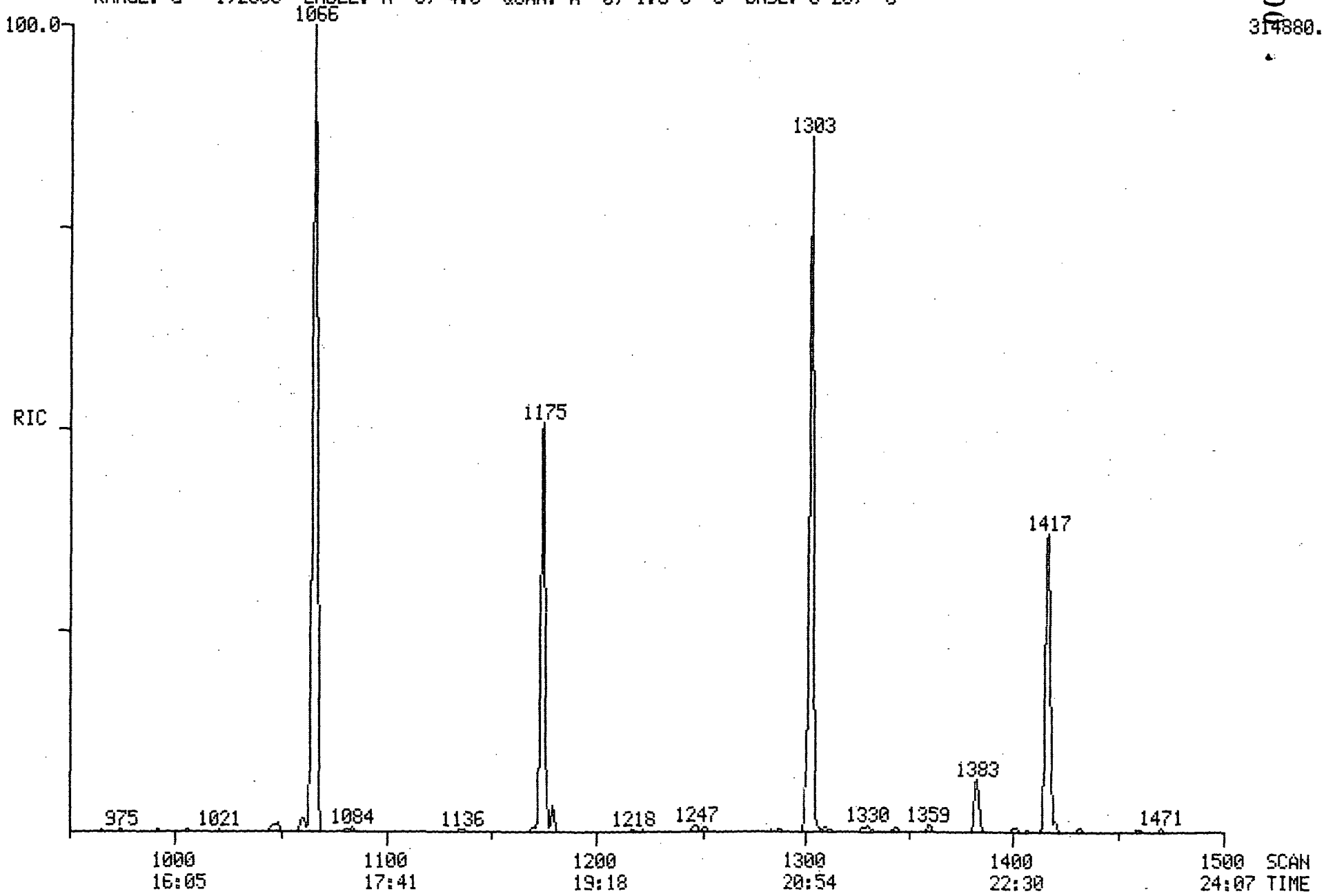
00369



MIDRIC
06/15/91 21:24:00
SAMPLE: S2 91-13586
CONDS.: MS-B CASE: EOH0022
RANGE: G 1,2800 LABEL: N 0, 4.0 QUAN: A 0, 1.0 J 0 BASE: U 20, 3

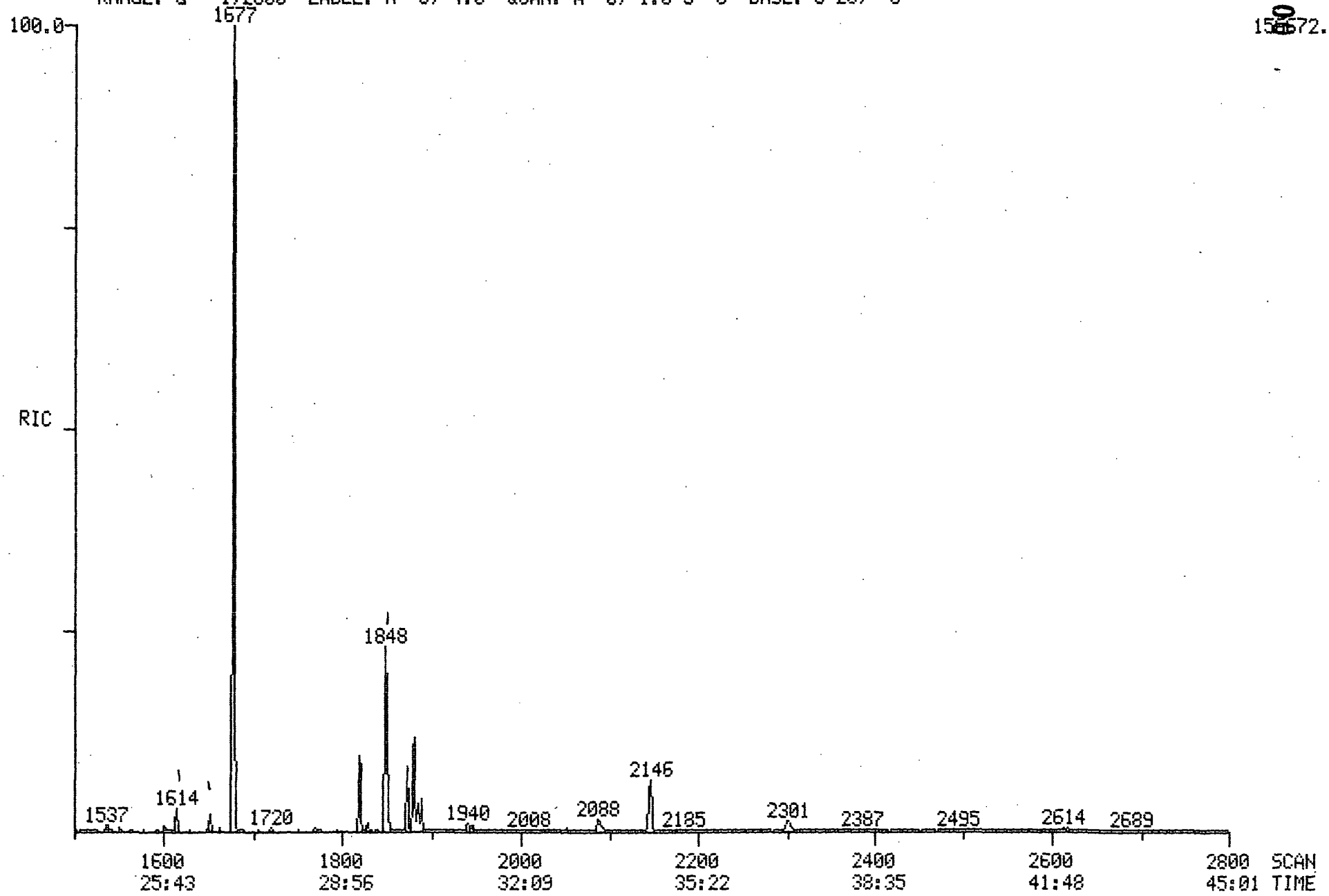
DATA: AD30S13586 #1 SCANS 950 TO 1500
CALI: AD30S13586 #2

D0370



MIDRIC
06/15/91 21:24:00
SAMPLE: S2 91-13586
CONDS.: MS-B CASE: EOH0022
RANGE: G 1,2800 LABEL: N 0, 4.0 QUAN: A 0, 1.0 J 0 BASE: U 20, 3

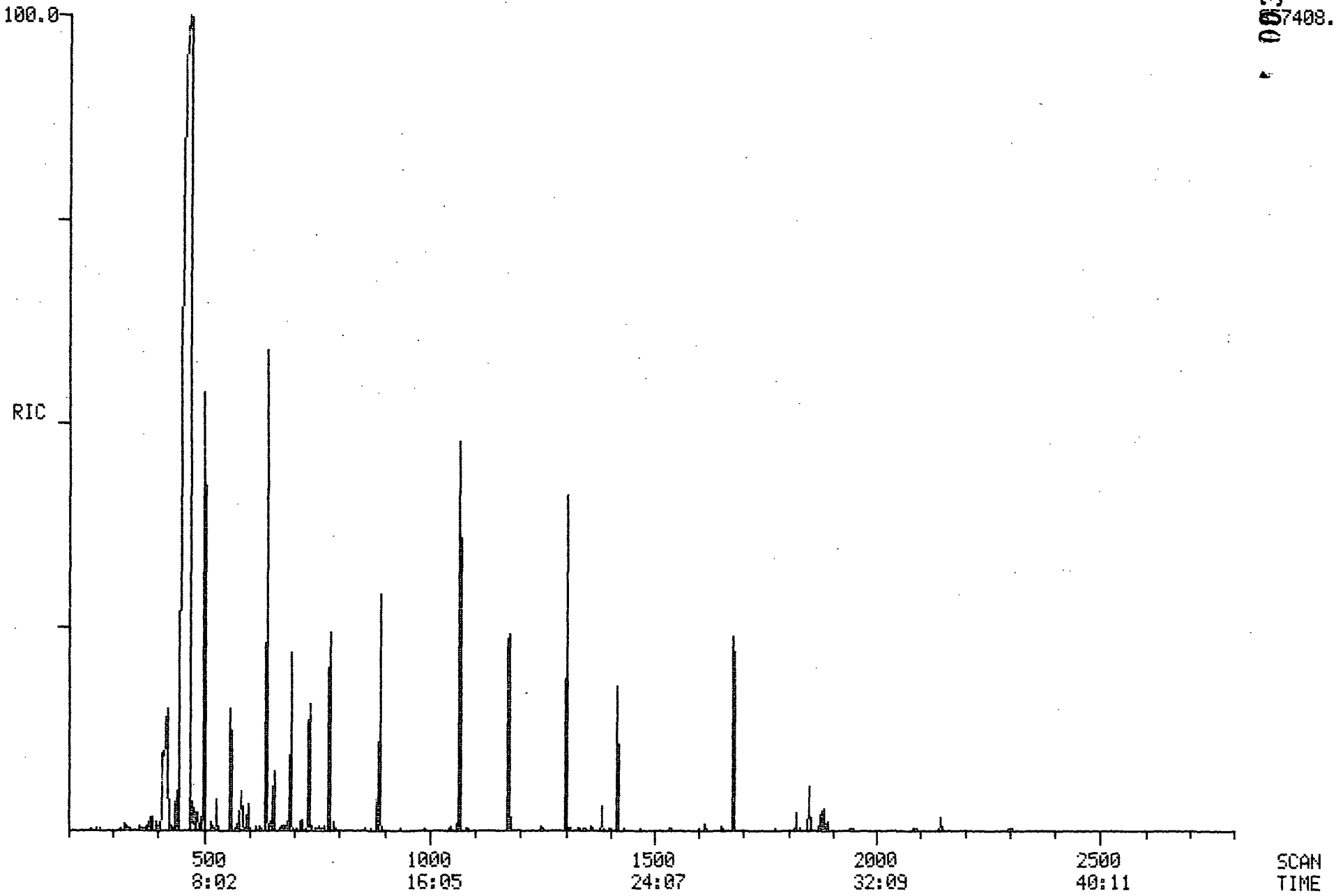
DATA: AD30S13586 #1 SCANS 1500 TO 2800
CALI: AD30S13586 #2



00371

MIDRIC
06/15/91 21:24:00
SAMPLE: S2 91-13586
CONDS.: MS-B CASE: EOH0022
RANGE: G 1,2800 LABEL: N 0, 4.0 QUAN: A 0, 1.0 J 0 BASE: U 20, 3

DATA: AD30S13586 #1 SCANS 200 TO 2800
CALI: AD30S13586 #2



00372

PROCEDURE: TCA DIAGNOSTIC REPORT 6/17/91 0:19:03
DATA FILE: AD30S13586
REFERENCE: 82711
NAME LIST: 8270 INITIALIZATION OPTION: 4 PROCESSING OPTION: 3
REPORT: DSISTD

< ---- STANDARDS ----- ><				--- PLUS UNKNOWNS --- ><				- LIST NAMES - >
PROC	USED	POSS	RMS	PROC	USED	POSS	RMS	STANDARD/UNKNOWN
6	4	1	70	12	12	1	127	DSISTD/DSSURR
6	6	1	56	21	6	1	56	DSISTD/82701
6	6	1	56	21	6	1	56	DSISTD/82702
6	6	1	56	21	6	1	56	DSISTD/82703
6	6	1	56	21	6	1	56	DSISTD/82704
6	6	1	56	21	7	1	81	DSISTD/82705
6	6	1	56	21	7	1	52	DSISTD/82706

102 COMPOUNDS PROCESSED, 12 FOUND

< COMPOUND ><			---------- SEARCH ---------- >< SAT >< ------ CHRO -------										
NO	LIB	ENTRY	REF	PRED	SEL	DELTA	PEAKS	FIT	PEAKS	M/Z	TOP	DELTA	PEAKS
1	DS	1	-683	692	693	1	1	970	.	152	693	.	1
2	DS	2	-882	891	.	.	.	.	.	136	891	.	1
3	DS	3	-1165	1174	1174	.	1	953	.	164	1174	.	1
4	DS	4	-1407	1417	1416	-1	1	993	.	188	1416	.	1
5	DS	5	-1839	1849	.	.	.	.	.	240	1848	.	1
6	DS	6	-2136	2146	2146	.	1	929	.	264	2146	.	1
7	DS	7	-488	498	501	3	1	988	-1	112	501	.	1
8	DS	8	-630	640	639	-1	1	958	-1	99	639	.	1
9	DS	9	-769	779	778	-1	1	976	.	82	778	.	1
10	DS	10	-1057	1067	1066	-1	1	983	.	172	1066	.	1
11	DS	11	-1294	1303	1302	-1	1	970	.	330	1302	.	1
12	DS	12	-1668	1677	1677	.	1	983	.	244	1677	.	1
13	DS	13	-263	272	.	.	.	.	.	42	.	.	.
14	DS	14	-393	402	.	.	.	.	.	93	.	.	.
15	DS	15	-462	471	.	.	.	.	.	80	.	.	.
16	DS	16	-569	578	.	.	.	.	.	79	.	.	.
17	DS	17	-632	641	.	.	.	.	.	94	641	.	1
18	DS	18	-634	643	.	.	.	.	.	93	.	.	.
19	DS	19	-646	655	.	.	.	.	.	93	.	.	.
20	DS	20	-651	660	.	.	.	.	.	128	660	.	1
21	DS	21	-674	683	.	.	.	.	.	146	.	.	.
22	DS	22	-686	695	.	.	.	.	.	146	695	.	1
23	DS	23	-706	715	.	.	.	.	.	108	.	.	.
24	DS	24	-708	717	.	.	.	.	.	146	.	.	.
25	DS	25	-723	732	.	.	.	.	.	108	.	.	.
26	DS	26	-727	736	.	.	.	.	.	45	.	.	.
27	DS	27	-723	732	.	.	.	.	.	108	.	.	.
28	DS	28	-749	758	.	.	.	.	.	70	.	.	.
29	DS	29	-761	770	.	.	.	.	.	117	.	.	.
30	DS	30	-747	756	.	.	.	.	.	105	754	.	1
31	DS	31	-773	782	.	.	.	.	.	77	.	.	.
32	DS	32	-797	806	.	.	.	.	.	42	.	.	.
33	DS	33	-811	820	.	.	.	.	.	82	.	.	.
34	DS	34	-822	831	.	.	.	.	.	139	.	.	.
35	DS	35	-830	839	.	.	.	.	.	122	.	.	.
36	DS	36	-846	855	.	.	.	.	.	93	.	.	.
37	DS	39	-860	869	.	.	.	.	.	162	.	.	.
38	DS	40	-873	882	.	.	.	.	.	180	.	.	.
39	DS	41	-885	894	.	.	.	.	.	128	894	.	1
40	DS	42	-895	904	.	.	.	.	.	127	.	.	.
41	DS	43	-896	905	.	.	.	.	.	162	.	.	.
42	DS	44	-906	915	.	.	.	.	.	225	.	.	.
43	DS	45	-951	960						84			

00373

44	DS	46	-973	982	.	.	.	.	.	107	.	.	.
45	DS	47	-997	1006	.	.	.	.	.	142	1006	.	1
46	DS	48	-1024	1033	.	.	.	.	.	216	.	.	.
47	DS	49	-1022	1031	.	.	.	.	.	237	.	.	.
48	DS	50	-1042	1051	.	.	.	.	.	196	.	.	.
49	DS	51	-1048	1057	.	.	.	.	.	196	.	.	.
50	DS	52	-1076	1085	.	.	.	.	.	162	.	.	.
51	DS	53	-1076	1085	.	.	.	.	.	162	.	.	.
52	DS	54	-1093	1102	.	.	.	.	.	65	.	.	.
53	DS	55	-1124	1133	.	.	.	.	.	163	.	.	.
54	DS	56	-1133	1142	.	.	.	.	.	165	.	.	.
55	DS	57	-1142	1151	.	.	.	.	.	152	.	.	.
56	DS	58	-1160	1169	.	.	.	.	.	138	.	.	.
57	DS	59	-1171	1180	.	.	.	.	.	154	1179	.	1
58	DS	60	-1177	1186	.	.	.	.	.	184	.	.	.
59	DS	61	-1187	1196	.	.	.	.	.	139	.	.	.
60	DS	62	-1199	1208	.	.	.	.	.	168	1208	.	1
61	DS	63	-1199	1208	.	.	.	.	.	165	.	.	.
62	DS	64	-1192	1201	.	.	.	.	.	250	.	.	.
63	DS	65	-1212	1221	.	.	.	.	.	143	.	.	.
64	DS	66	-1219	1228	.	.	.	.	.	232	.	.	.
65	DS	67	-1225	1234	.	.	.	.	.	143	.	.	.
66	DS	68	-1239	1248	.	.	.	.	.	149	1247	.	1
67	DS	69	-1256	1265	.	.	.	.	.	204	.	.	.
68	DS	70	-1255	1264	.	.	.	.	.	166	1264	.	1
69	DS	71	-1259	1268	.	.	.	.	.	138	.	.	.
70	DS	72	-1264	1273	.	.	.	.	.	198	.	.	.
71	DS	73	-1276	1285	.	.	.	.	.	169	.	.	.
72	DS	74	-1282	1291	.	.	.	.	.	77	.	.	.
73	DS	75	-1335	1344	.	.	.	.	.	248	.	.	.
74	DS	76	-1327	1336	.	.	.	.	.	108	.	.	.
75	DS	78	-1344	1353	.	.	.	.	.	284	.	.	.
76	DS	79	-1378	1387	.	.	.	.	.	169	.	.	.
77	DS	81	-1376	1385	.	.	.	.	.	266	.	.	.
78	DS	83	-1388	1397	.	.	.	.	.	173	.	.	.
79	DS	84	-1379	1388	.	.	.	.	.	295	.	.	.
80	DS	85	-1412	1421	1420	-1	1	910	.	178	1420	.	1
81	DS	86	-1420	1429	.	.	.	.	.	178	1428	.	1
82	DS	89	-1504	1513	.	.	.	.	.	149	1513	.	1
83	DS	92	-1605	1614	.	.	.	.	.	202	1614	.	1
84	DS	93	-1642	1651	.	.	.	.	.	202	1651	.	1
85	DS	96	-1627	1636	.	.	.	.	.	184	.	.	.
86	DS	98	-1691	1700	.	.	.	.	.	120	.	.	.
87	DS	103	-1748	1757	.	.	.	.	.	149	.	.	.
88	DS	108	-1833	1843	.	.	.	.	.	252	.	.	.
89	DS	109	-1837	1847	.	.	.	.	.	228	1846	.	1
90	DS	110	-1843	1853	.	.	.	.	.	228	1852	.	1
91	DS	111	-1840	1850	1850	.	1	974	.	149	1850	.	1
92	DS	112	-1955	1965	.	.	.	.	.	149	.	.	.
93	DS	113	-2041	2051	.	.	.	.	.	256	.	.	.
94	DS	114	-2042	2052	.	.	.	.	.	252	2051	.	1
95	DS	115	-2049	2059	.	.	.	.	.	252	2057	.	1
96	DS	116	-2122	2132	.	.	.	.	.	252	2131	.	1
97	DS	117	-2221	2231	.	.	.	.	.	268	.	.	.
98	DS	118	-2499	2509	.	.	.	.	.	276	.	.	.
99	DS	119	-2500	2510	.	.	.	.	.	278	.	.	.
100	DS	120	-2598	2608	.	.	.	.	.	276	.	.	.
101	DS	128	-2421	2431	.	.	.	.	.	279	.	.	.
102	DS	37	-847	856	.	.	.	.	.	122	.	.	.

2	136	891	14:19	2	1.000	A	BB	156776.	40.000	UG	1.00
3	164	1174	18:52	3	1.000	A	BB	78449.	40.000	UG	1.00
4	188	1416	22:46	4	1.000	A	BV	102470.	40.000	UG	1.00
5	240	1848	29:43	5	1.000	A	BB	27674.	40.000	UG	1.00
6	264	2146	34:30	6	1.000	A	BB	16232.	40.000	UG	1.00
7	112	501	8:03	1	0.723	A	BB	184370.	112.438	UG	2.81
8	99	639	10:16	1	0.922	A	BV	301646.	121.203	UG	3.03
9	82	778	12:30	2	0.873	A	BB	115410.	51.078	UG	1.28
10	172	1066	17:08	3	0.908	A	BB	183208.	75.510	UG	1.89
11	330	1302	20:56	3	1.109	A	BB	48764.	200.314	UG	5.00
12	244	1677	26:58	5	0.907	A	BB	128104.	90.812	UG	2.27
13	NOT FOUND										
14	NOT FOUND										
15	NOT FOUND										
16	NOT FOUND										
~~17~~	~~94~~	~~641~~	~~10:18~~	~~1~~	~~0.925~~	~~A~~	~~BB~~	~~462.~~	~~0.174~~	~~UG~~	~~0.00~~ MJ
18	NOT FOUND										
19	NOT FOUND										
~~20~~	~~128~~	~~660~~	~~10:37~~	~~1~~	~~0.952~~	~~A~~	~~BB~~	~~277.~~	~~0.158~~	~~UG~~	~~0.00~~ MJ
21	NOT FOUND										
~~22~~	~~148~~	~~695~~	~~11:10~~	~~1~~	~~1.003~~	~~A~~	~~BB~~	~~266.~~	~~0.151~~	~~UG~~	~~0.00~~ MJ
23	NOT FOUND										
24	NOT FOUND										
25	NOT FOUND										
26	NOT FOUND										
27	NOT FOUND										
28	NOT FOUND										
29	NOT FOUND										
~~30~~	~~105~~	~~754~~	~~12:07~~	~~2~~	~~0.846~~	~~A~~	~~BB~~	~~1340.~~	~~0.484~~	~~UG~~	~~0.01~~ MJ
31	NOT FOUND										
32	NOT FOUND										
33	NOT FOUND										
34	NOT FOUND										
35	NOT FOUND										
36	NOT FOUND										
37	NOT FOUND										
38	NOT FOUND										
~~39~~	~~128~~	~~874~~	~~14:22~~	~~2~~	~~1.003~~	~~A~~	~~BB~~	~~470.~~	~~0.108~~	~~UG~~	~~0.00~~ MJ
40	NOT FOUND										
41	NOT FOUND										
42	NOT FOUND										
43	NOT FOUND										
44	NOT FOUND										
~~45~~	~~142~~	~~1006~~	~~16:10~~	~~2~~	~~1.127~~	~~A~~	~~BB~~	~~284.~~	~~0.078~~	~~UG~~	~~0.00~~ MJ
46	NOT FOUND										
47	NOT FOUND										
48	NOT FOUND										
49	NOT FOUND										
50	NOT FOUND										

No	Ret(L)	Ratio	RRT(L)	Ratio	Amnt	Amnt(L)	R.Fac	R.Fac(L)	Ratio
1	10:59	1.01	1.000	1.00	40.00	40.00	1.000	1.000	1.00
2	14:11	1.01	1.000	1.00	40.00	40.00	1.000	1.000	1.00
3	18:44	1.01	1.000	1.00	40.00	40.00	1.000	1.000	1.00
4	22:37	1.01	1.000	1.00	40.00	40.00	1.000	1.000	1.00
5	29:34	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
6	34:20	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
7	7:51	1.03	0.714	1.01	112.44	50.00	3.643	1.620	2.25
8	10:08	1.01	0.922	1.00	121.20	50.00	5.960	2.459	2.42
9	12:22	1.01	0.872	1.00	51.08	50.00	0.589	0.576	1.02
10	17:00	1.01	0.907	1.00	75.51	50.00	1.868	1.237	1.51
11	20:48	1.01	1.111	1.00	200.31	50.00	0.497	0.124	4.01
12	26:49	1.01	0.907	1.00	90.81	50.00	3.703	2.039	1.82
13	4:14		0.385						
14	6:19		0.575						
15	7:26		0.676						

16	9:09		0.833						
17	10:10	1.01	0.925	1.00	0.17	50.00	0.009	2.623	0.00
18	10:12		0.928						
19	10:23		0.946						
20	10:28	1.01	0.953	1.00	0.16	50.00	0.005	1.732	0.00
21	10:50		0.987						
22	11:02	1.01	1.004	1.00	0.15	50.00	0.005	1.740	0.00
23	11:21		1.034						
24	11:23		1.037						
25	11:37		1.059						
26	11:41		1.064						
27	11:37		1.059						
28	12:02		1.097						
29	12:14		1.114						
30	12:01	1.01	0.847	1.00	0.48	50.00	0.007	0.706	0.01
31	12:26		0.876						
32	12:49		0.904						
33	13:02		0.920						
34	13:13		0.932						
35	13:21		0.941						
36	13:36		0.959						
37	13:50		0.975						
38	14:02		0.990						
39	14:14	1.01	1.003	1.00	0.11	50.00	0.003	1.179	0.00
40	14:23		1.015						
41	14:24		1.016						
42	14:34		1.027						
43	15:17		1.078						
44	15:39		1.103						
45	16:02	1.01	1.130	1.00	0.10	50.00	0.001	0.742	0.00
46	16:28		0.879						
47	16:26		0.877						
48	16:45		0.894						
49	16:51		0.900						
50	17:18		0.924						

Quantitation Report File: AD30S13586

Data: AD30S13586.TI
06/15/91 21:24:00
Sample: S2 91-13586
Conds.: MS-B CASE: EOH0022
Submitted by: Analyst: JOHNSON

AMOUNT=AREA * REF AMNT/(REF AREA * RESP FACT)
Resp. fac. from Library Entry

No	Name
51	1-CHLORONAPHTHALENE
52	2-NITROANILINE
53	DIMETHYL PHTHALATE
54	2,6-DINITROTOLUENE
55	ACENAPHTHYLENE
56	3-NITROANILINE
57	ACENAPHTHENE
58	2,4-DINITROPHENOL
59	4-NITROPHENOL
60	DIBENZOFURAN
61	2,4-DINITROTOLUENE
62	PENTACHLOROBENZENE
63	1-NAPHTHYLAMINE
64	2,3,4,6-TETRACHLOROPHENOL
65	2-NAPHTHYLAMINE
66	DIETHYL PHTHALATE
67	4-CHLOROPHENYL PHENYL ETHER
68	FLUORENE
69	4-NITROANILINE
70	4,6-DINITRO-2-METHYLPHENOL
71	N-NITROSODIPHENYLAMINE
72	1,2-DIPHENYLHYDRAZINE
73	4-BROMOPHENYL PHENYL ETHER
74	PHENACETIN
75	HEXACHLOROBENZENE
76	4-AMINOBIPHENYL
77	PENTACHLOROPHENOL
78	PRONAMIDE (PROPYZAMIDE)
79	PENTACHLORONITROBENZENE
80	PHENANTHRENE
81	ANTHRACENE
82	DI-N-BUTYL PHTHALATE
83	FLUORANTHENE
84	PYRENE
85	BENZIDINE
86	P-DIMETHYLAMINOAZOBENZENE
87	BUTYL BENZYL PHTHALATE
88	3,3'-DICHLOROBENZIDINE
89	BENZO(A)ANTHRACENE
90	CHRYSENE
91	BIS(2-ETHYLHEXYL)PHTHALATE
92	DI-N-OCTYL PHTHALATE
93	7,12-DIMETHYLBENZ(A)ANTHRACENE
94	BENZO(B)FLUORANTHENE
95	BENZO(K)FLUORANTHENE
96	BENZO(A)PYRENE
97	3-METHYLCHOLANTHRENE
98	INDENO (1,2,3-CD)PYRENE
99	DIBENZ(A,H)ANTHRACENE
100	BENZO (G,H,I)PERYLENE

00377

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount	%Tot
51	NOT FOUND								

52	NOT FOUND									
53	NOT FOUND									
54	NOT FOUND									
55	NOT FOUND									
56	NOT FOUND									
~~57~~	~~154~~	~~1179~~	~~18:57~~	~~3~~	~~1.004~~	~~A BB~~	~~144.~~	~~0.062 UG~~	~~0.00~~	ms
58	NOT FOUND									
59	NOT FOUND									
~~60~~	~~168~~	~~1208~~	~~19:25~~	~~3~~	~~1.027~~	~~A BB~~	~~324.~~	~~0.078 UG~~	~~0.00~~	ms
61	NOT FOUND									
62	NOT FOUND									
63	NOT FOUND									
64	NOT FOUND									
65	NOT FOUND									
~~66~~	~~147~~	~~1247~~	~~20:03~~	~~3~~	~~1.062~~	~~A BB~~	~~1774.~~	~~0.703 UG~~	~~0.02~~	ms
67	NOT FOUND									
~~68~~	~~166~~	~~1264~~	~~20:19~~	~~3~~	~~1.077~~	~~A BB~~	~~158.~~	~~0.062 UG~~	~~0.00~~	ms
69	NOT FOUND									
70	NOT FOUND									
71	NOT FOUND									
72	NOT FOUND									
73	NOT FOUND									
74	NOT FOUND									
75	NOT FOUND									
76	NOT FOUND									
77	NOT FOUND									
78	NOT FOUND									
79	NOT FOUND									
80	178	1420	22:50	4	1.003	A BB	3287.	0.811 UG	0.02	ms
~~81~~	~~178~~	~~1428~~	~~22:57~~	~~4~~	~~1.008~~	~~A BB~~	~~173.~~	~~0.043 UG~~	~~0.00~~	ms
~~82~~	~~149~~	~~1513~~	~~24:19~~	~~4~~	~~1.069~~	~~A BB~~	~~638.~~	~~0.157 UG~~	~~0.00~~	ms
83	202	1614	25:57	4	1.140	A BB	5023.	2.334 UG	0.06	ms
84	202	1651	26:33	5	0.893	A BB	3787.	2.220 UG	0.06	ms
85	NOT FOUND									
86	NOT FOUND									
87	NOT FOUND									
88	NOT FOUND									
~~89~~	~~228~~	~~1846~~	~~29:41~~	~~5~~	~~0.979~~	~~A BV~~	~~1237.~~	~~1.575 UG~~	~~0.04~~	ms
~~90~~	~~228~~	~~1852~~	~~29:46~~	~~5~~	~~1.002~~	~~A VB~~	~~1472.~~	~~1.836 UG~~	~~0.05~~	ms
91	149	1850	29:44	5	1.001	A BB	7876.	11.318 UG	0.28	ms
92	NOT FOUND									
93	NOT FOUND									
~~94~~	~~252~~	~~2051~~	~~32:58~~	~~6~~	~~0.956~~	~~A BV~~	~~1444.~~	~~2.357 UG~~	~~0.06~~	ms
~~95~~	~~252~~	~~2057~~	~~33:04~~	~~6~~	~~0.957~~	~~A VB~~	~~411.~~	~~0.755 UG~~	~~0.02~~	ms
~~96~~	~~252~~	~~2131~~	~~34:16~~	~~6~~	~~0.993~~	~~A BB~~	~~744.~~	~~1.608 UG~~	~~0.04~~	ms
97	NOT FOUND									
98	NOT FOUND									
99	NOT FOUND									
100	NOT FOUND									

No	Ret(L)	Ratio	RRT(L)	Ratio	Amnt	Amnt(L)	R.Fac	R.Fac(L)	Ratio
51	17:18		0.924						
52	17:34		0.938						
53	18:04		0.965						
54	18:13		0.973						
55	18:22		0.980						
56	18:39		0.996						
57	18:50	1.01	1.005	1.00	0.06	50.00	0.001	1.187	0.00
58	18:55		1.010						
59	19:05		1.019						
60	19:17	1.01	1.029	1.00	0.10	50.00	0.003	1.688	0.00
61	19:17		1.029						
62	19:10		1.023						
63	19:29		1.040						
64	19:36		1.046						
65	19:42		1.052						

66	19:55	1.01	1.064	1.00	0.70	50.00	0.020	1.446	0.01
67	20:12		1.078						
68	20:11	1.01	1.077	1.00	0.06	50.00	0.002	1.295	0.00
69	20:14		1.081						
70	20:19		0.898						
71	20:31		0.907						
72	20:37		0.911						
73	21:28		0.949						
74	21:20		0.943						
75	21:36		0.955						
76	22:09		0.979						
77	22:07		0.978						
78	22:19		0.986						
79	22:10		0.980						
80	22:42	1.01	1.004	1.00	0.81	50.00	0.026	1.582	0.02
81	22:50	1.01	1.009	1.00	0.04	50.00	0.001	1.582	0.00
82	24:11	1.01	1.069	1.00	0.16	50.00	0.005	1.568	0.00
83	25:48	1.01	1.141	1.00	2.33	50.00	0.039	0.840	0.05
84	26:24	1.01	0.893	1.00	2.22	50.00	0.109	2.466	0.04
85	26:09		0.885						
86	27:11		0.920						
87	28:06		0.951						
88	29:28		0.997						
89	29:32	1.00	0.999	1.00	1.57	50.00	0.036	1.135	0.03
90	29:38	1.00	1.002	1.00	1.84	50.00	0.043	1.159	0.04
91	29:35	1.01	1.001	1.00	11.32	50.00	0.228	1.006	0.23
92	31:26		0.915						
93	32:49		0.956						
94	32:50	1.00	0.956	1.00	2.36	50.00	0.071	1.510	0.05
95	32:56	1.00	0.959	1.00	0.76	50.00	0.020	1.341	0.02
96	34:07	1.00	0.993	1.00	1.61	50.00	0.037	1.140	0.03
97	35:42		1.040						
98	40:11		1.170						
99	40:11		1.170						
100	41:46		1.216						

Quantitation Report File: AD30S13586

Data: AD30S13586.TI
06/15/91 21:24:00
Sample: S2 91-13586
Conds.: MS-B CASE: EOH0022
Submitted by: Analyst: JOHNSON

AMOUNT=AREA * REF AMNT/(REF AREA * RESP FACT)
Resp. fac. from Library Entry

No	Name
101	DIBENZ(A,J)ACRIDINE
102	BENZOIC ACID

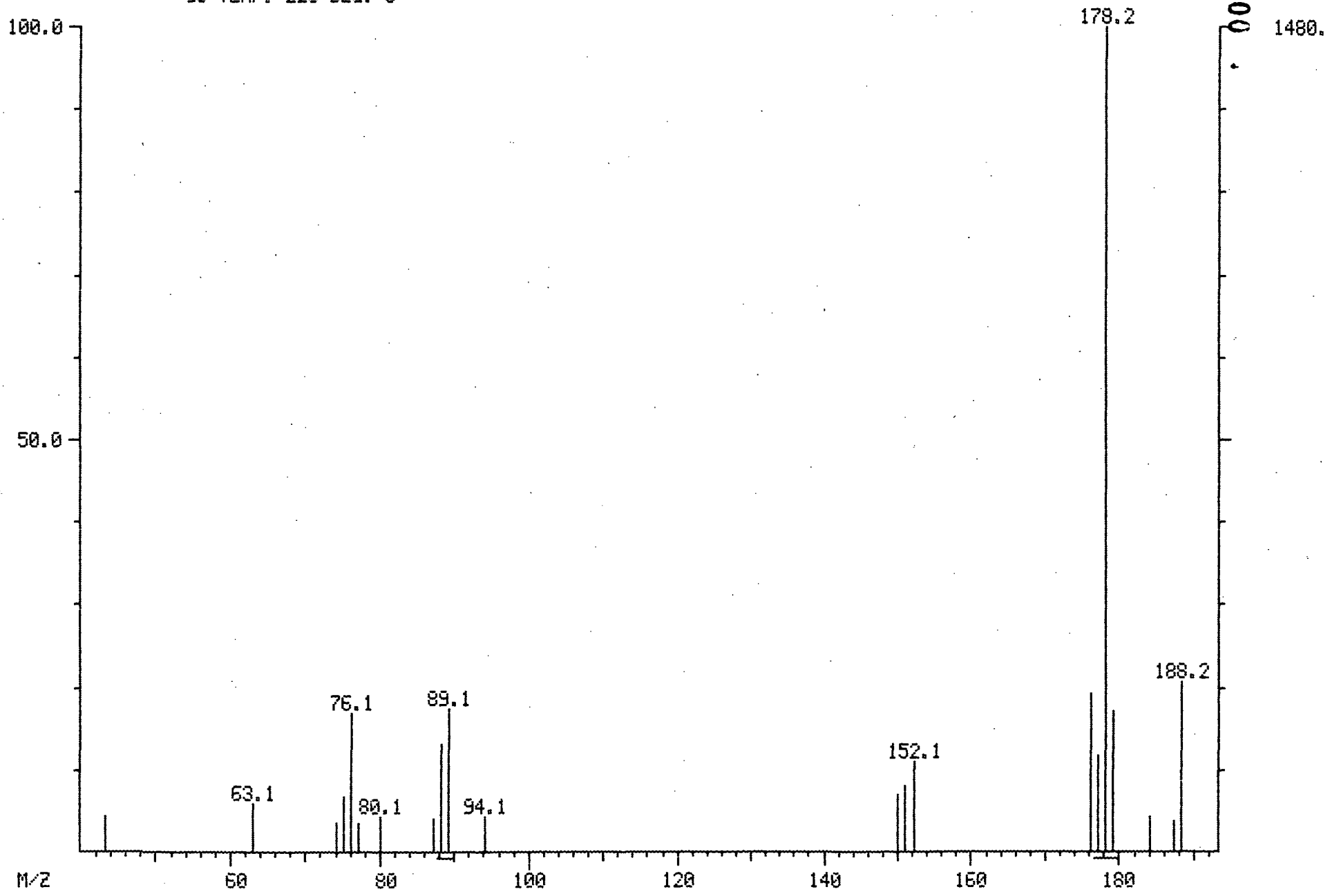
No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount	%Tot
101	NOT FOUND								
102	NOT FOUND								

No	Ret(L)	Ratio	RRT(L)	Ratio	Amnt	Amnt(L)	R.Fac	R.Fac(L)	Ratio
101	38:55		1.133						
102	13:37		0.960						

MID MASS SPECTRUM
06/15/91 21:24:00 + 22:50
SAMPLE: S2 91-13586
CONDS.: MS-B CASE: EOH0022
GC TEMP: 228 DEG. C

DATA: AD30513586 #1420
CALI: AD30513586 #2

BASE M/Z: 178
RIC: 4256.



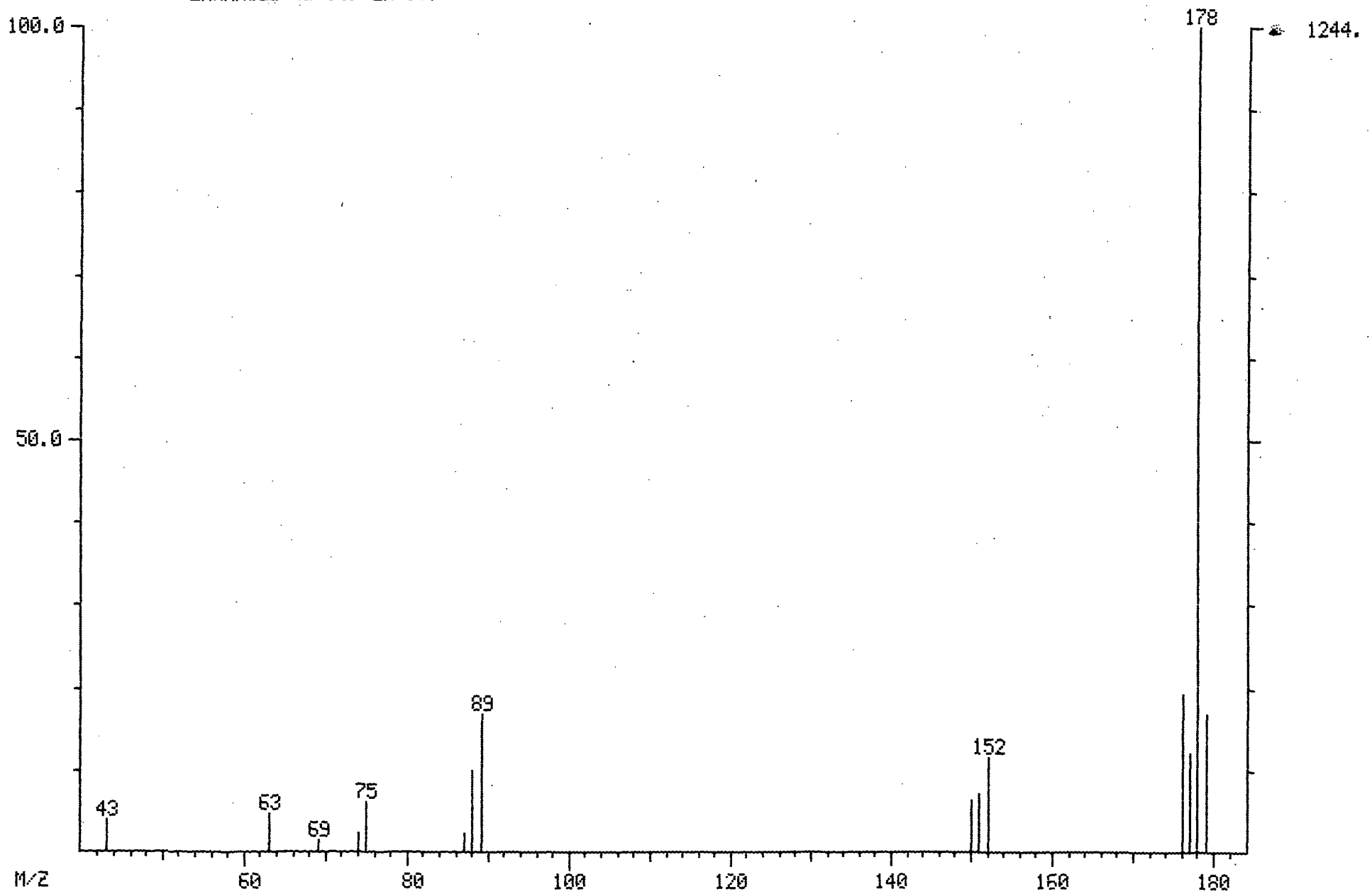
00381

MID MASS SPECTRUM
06/15/91 21:24:00 + 22:50
SAMPLE: S2 91-13586
CONDS.: MS-B CASE: EOH0022
GC TEMP: 228 DEG. C
ENHANCED (S 15B 2N 0T)

DATA: AD30513586 #1420
CALI: AD30513586 #2

BASE M/Z: 178
RIC: 2748.

00382

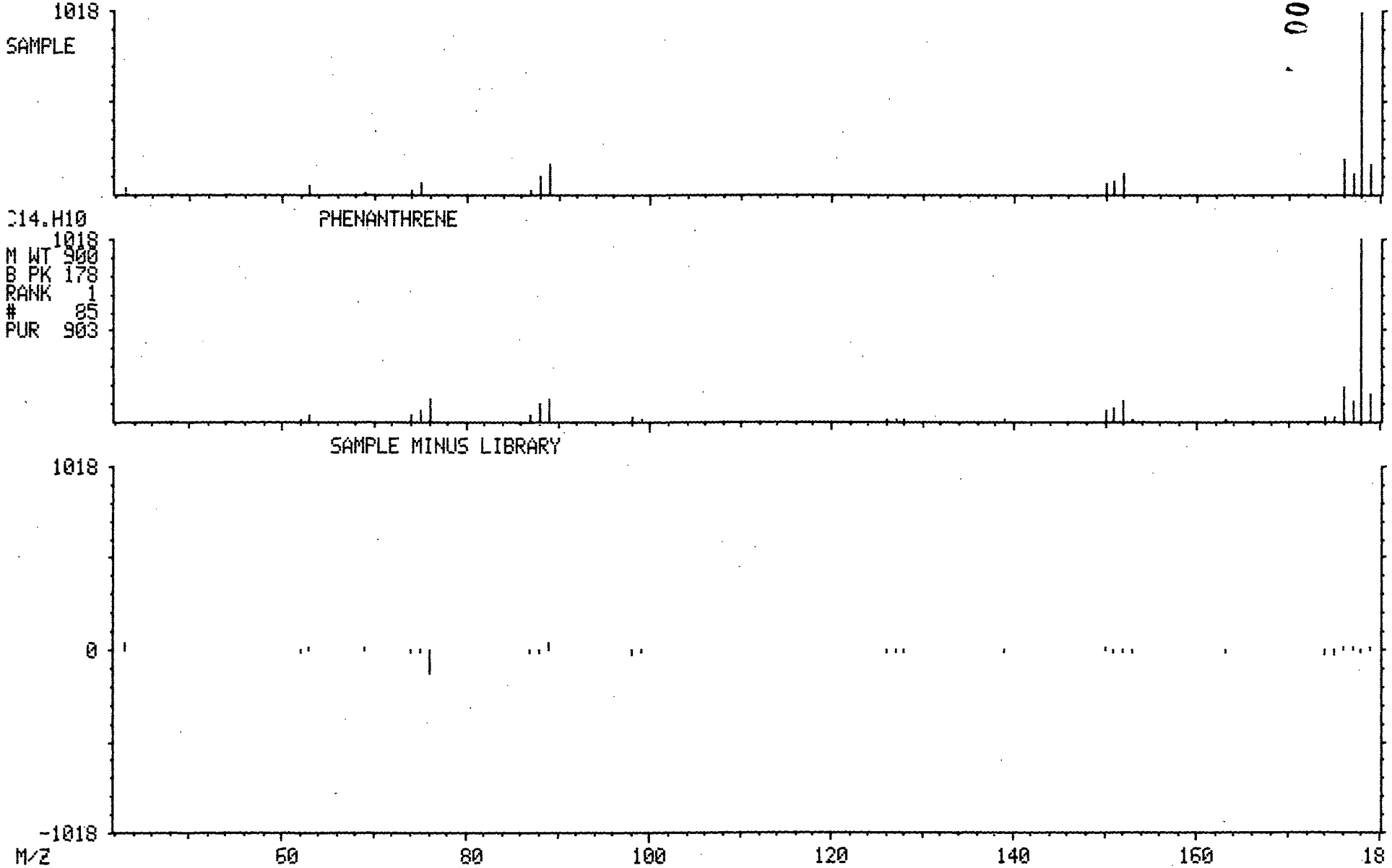


MID LIBRARY SEARCH
06/15/91 21:24:00 + 22:50
SAMPLE: S2 91-13586
CONDS.: MS-B CASE: EOH0022
ENHANCED (S 15B 2N 0T)

DATA: AD30513586 #1420
CALI: AD30513586 # 2

BASE M/Z: 178
RIC: 2747.

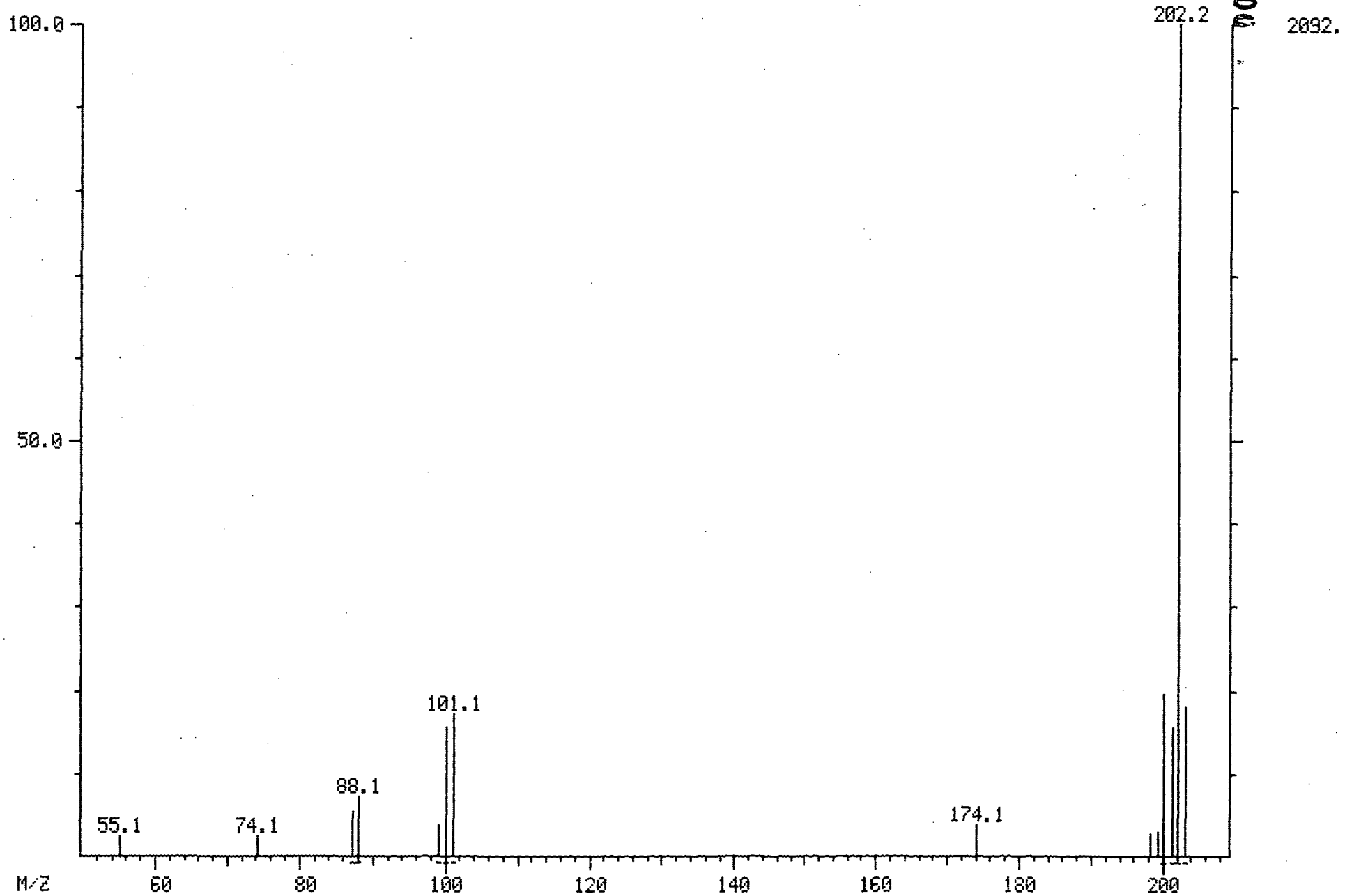
00383



MID MASS SPECTRUM
06/15/91 21:24:00 + 25:57
SAMPLE: S2 91-13586
CONDS.: MS-B CASE: EOH0022
GC TEMP: 259 DEG. C

DATA: AD30513586 #1614
CALI: AD30513586 #2

BASE M/Z: 202
RIC: 4544.



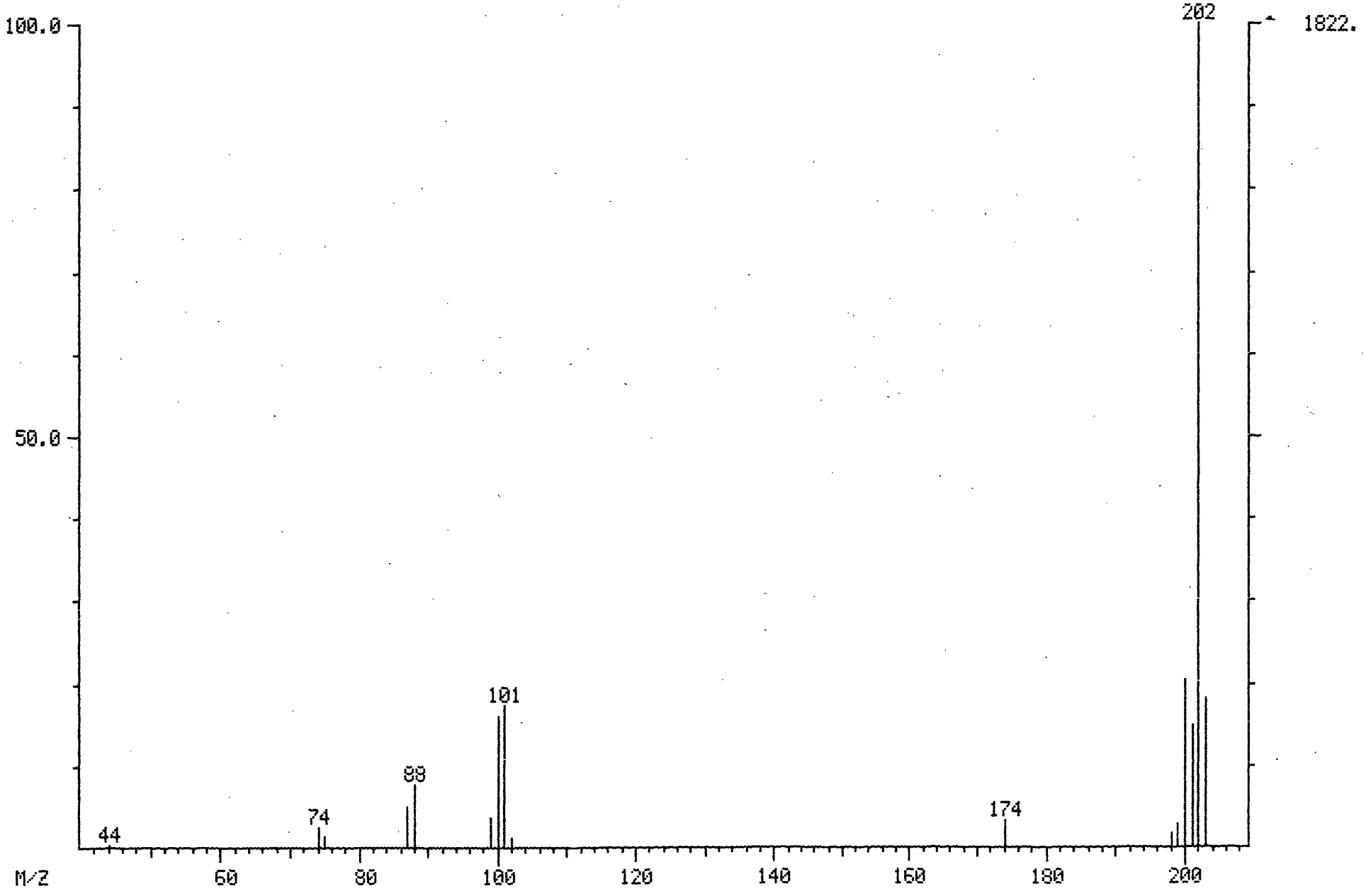
00384

MID MASS SPECTRUM
06/15/91 21:24:00 + 25:57
SAMPLE: S2 91-13586
CONDS.: MS-B CASE: EQH0022
GC TEMP: 259 DEG. C
ENHANCED (S 15B 2N 0T)

DATA: AD30S13586 #1614
CALI: AD30S13586 #2

BASE M/Z: 202
RIC: 3940.

00385

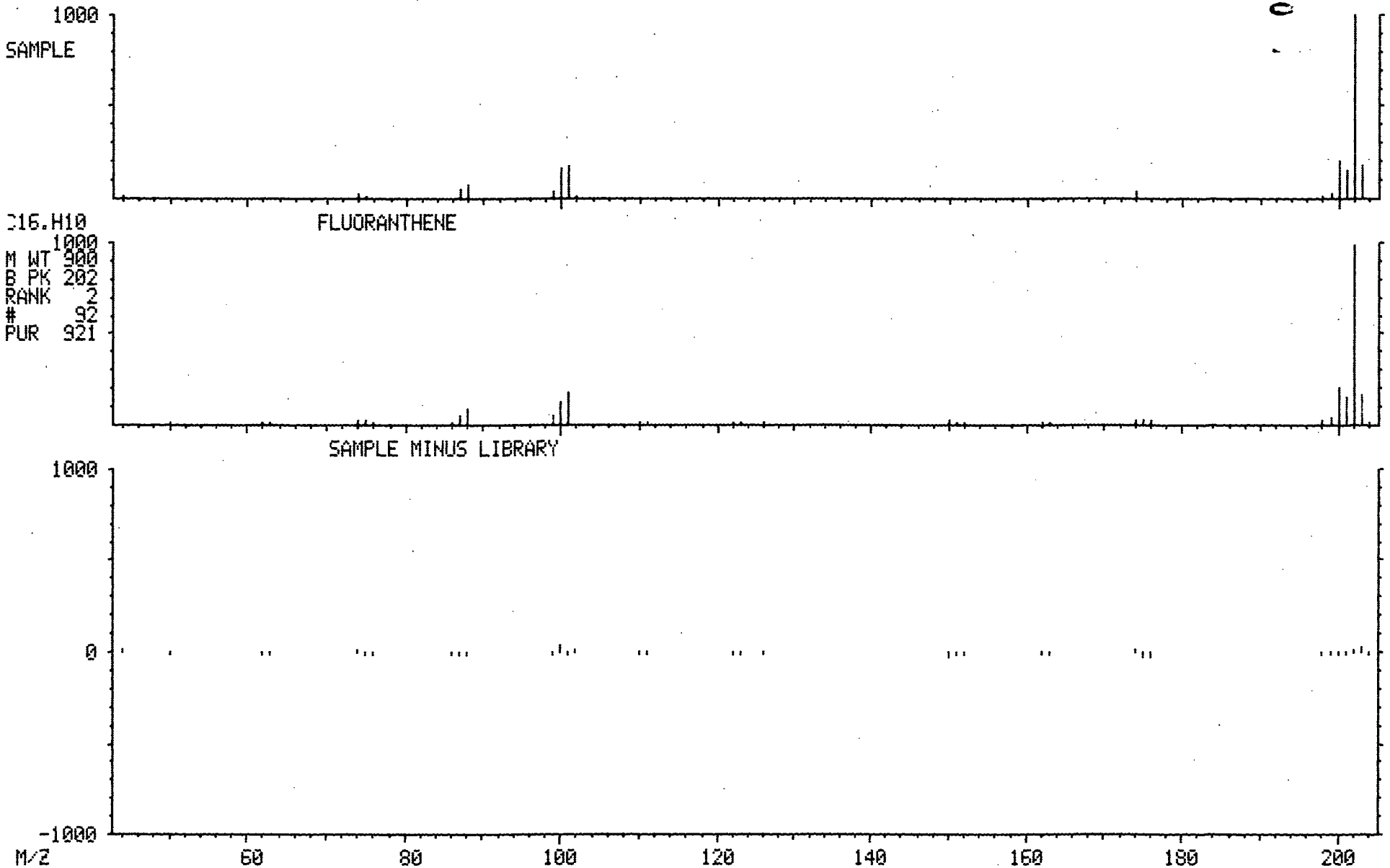


MID LIBRARY SEARCH
06/15/91 21:24:00 + 25:57
SAMPLE: S2 91-13586
CONDS.: MS-B CASE: EOH0022
ENHANCED (S 15B 2N 0T)

DATA: AD30513586 #1614
CALI: AD30513586 # 2

BASE M/Z: 202
RIC: 3939.

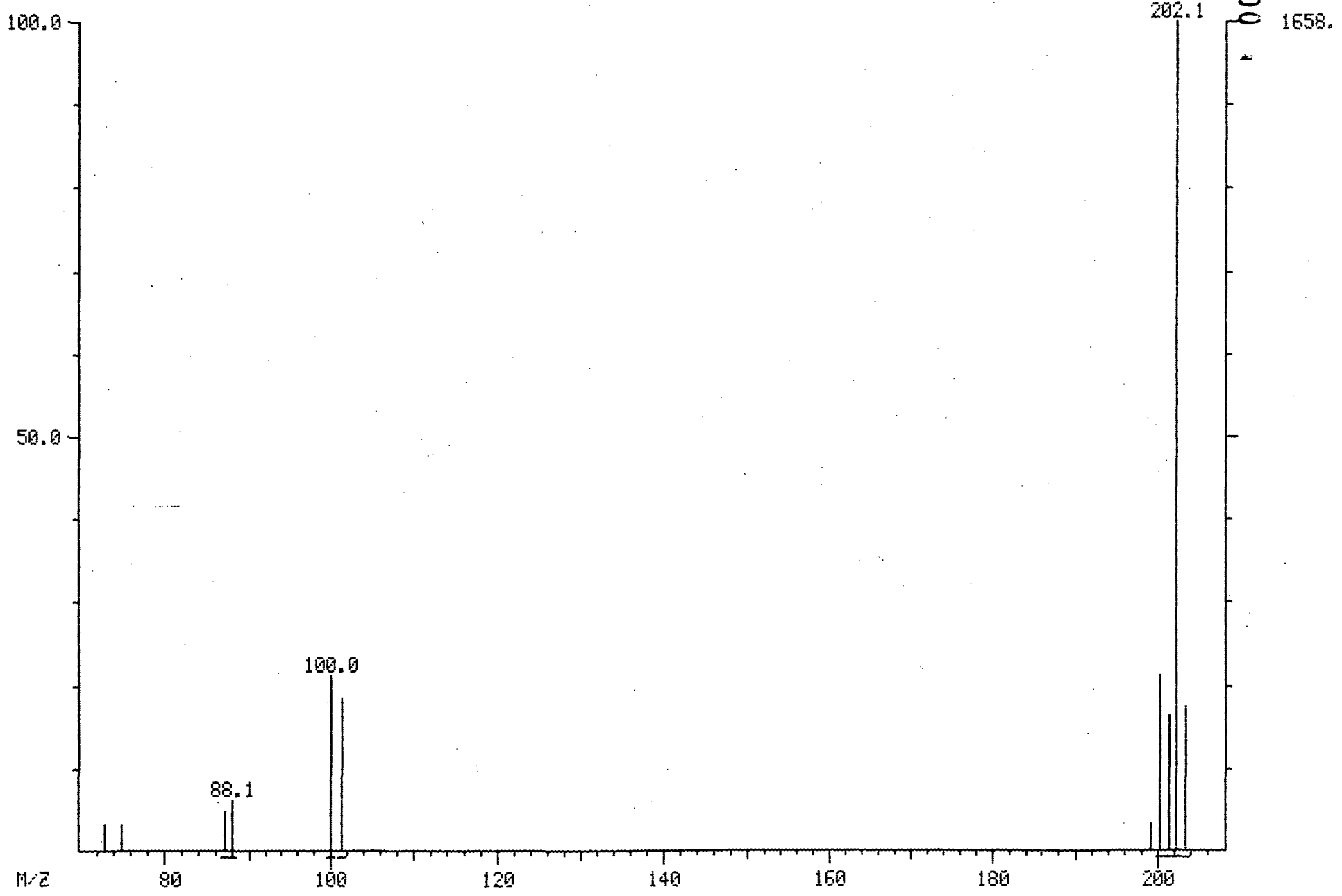
00386



MID MASS SPECTRUM
06/15/91 21:24:00 + 26:33
SAMPLE: S2 91-13586
CONDS.: MS-B CASE: EOH0022
GC TEMP: 265 DEG. C

DATA: AD30513585 #1651
CALI: AD30513586 #2

BASE M/Z: 202
RIC: 3572.

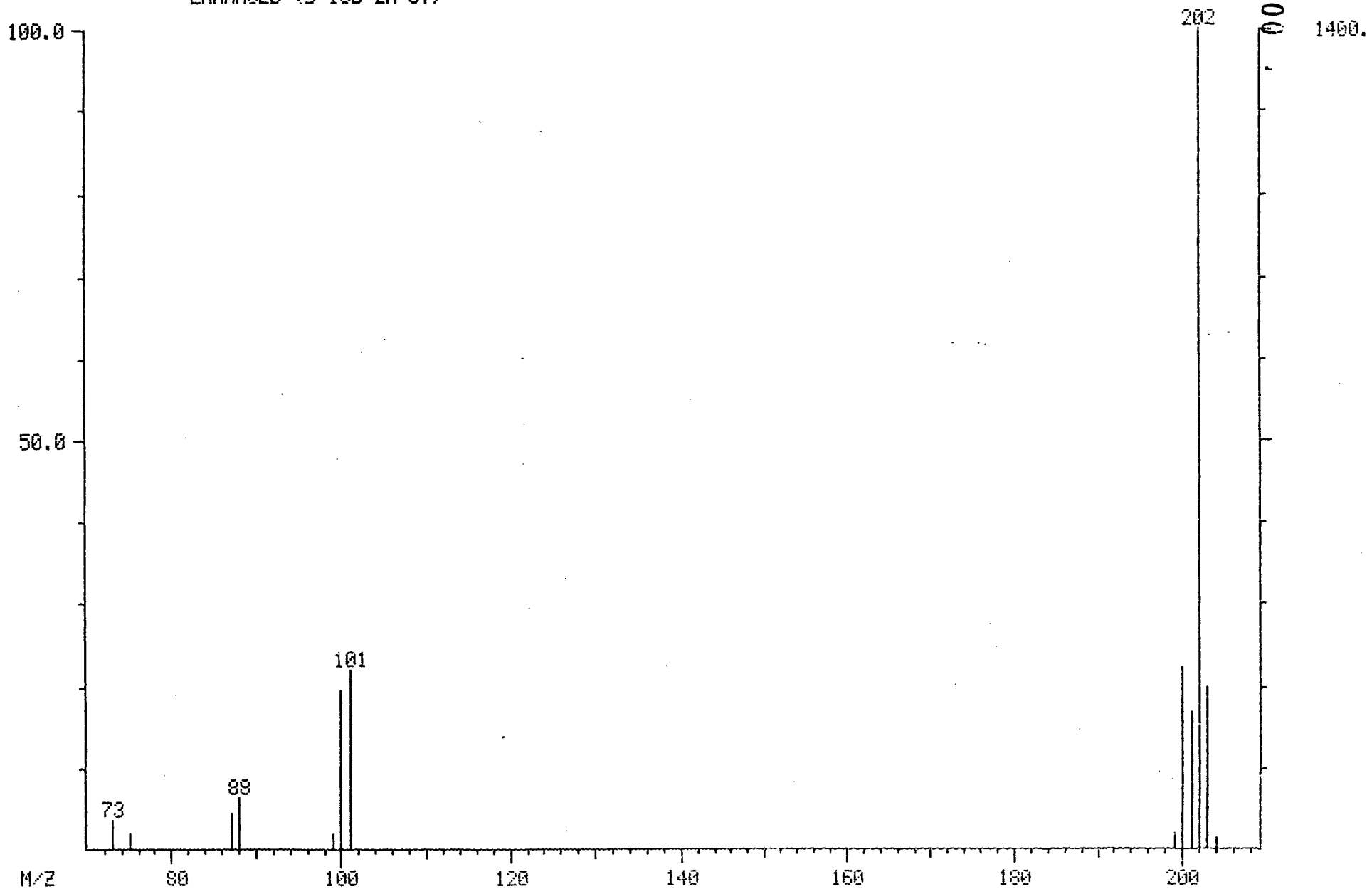


00387

MID MASS SPECTRUM
06/15/91 21:24:00 + 26:33
SAMPLE: S2 91-13586
CONDS.: MS-B CASE: EOH0022
GC TEMP: 265 DEG. C
ENHANCED (S 15B 2N 0T)

DATA: AD30513586 #1651
CALI: AD30513586 #2

BASE M/Z: 202
RIC: 3108.



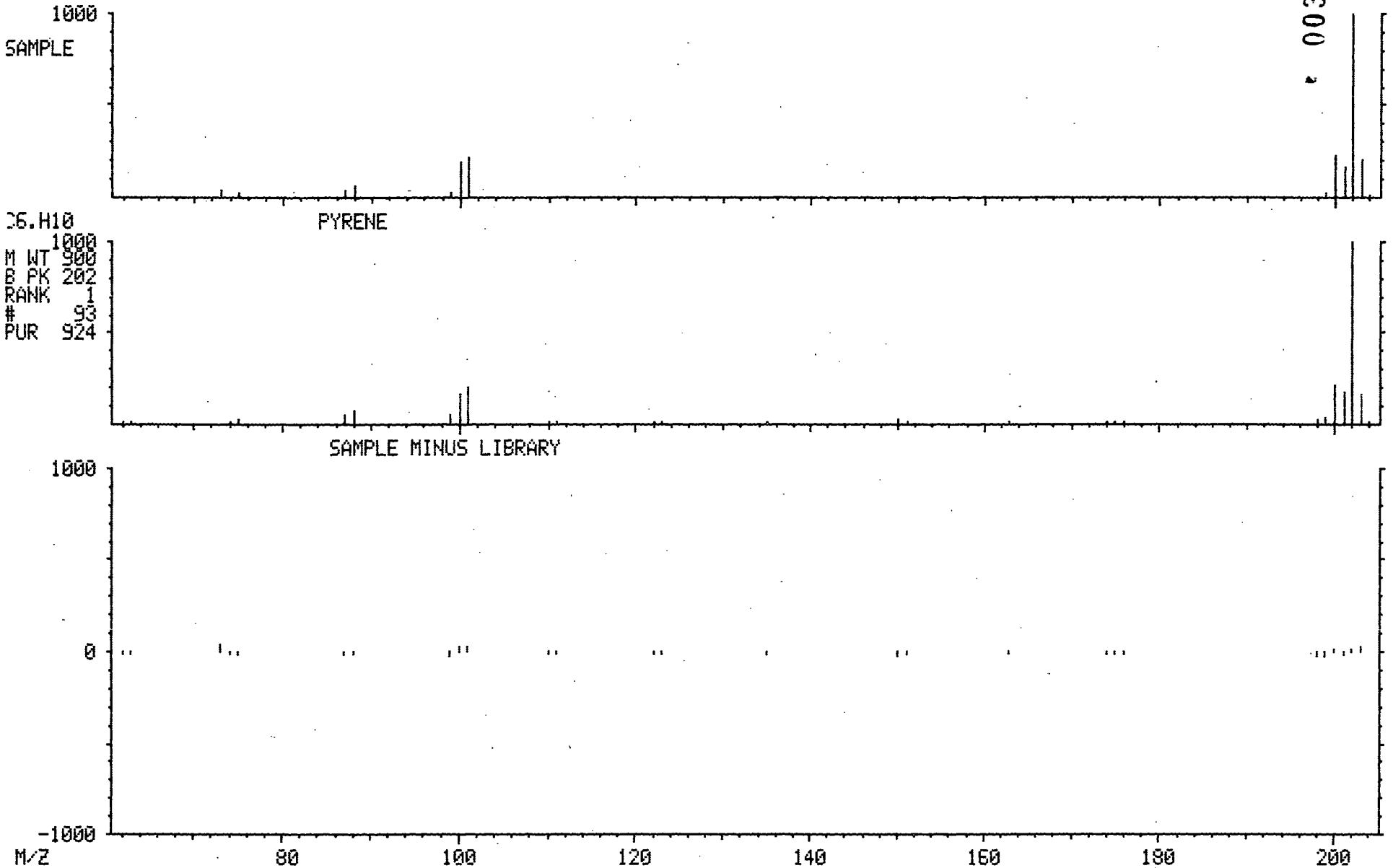
00358

MID LIBRARY SEARCH
06/15/91 21:24:00 + 26:33
SAMPLE: S2 91-13586
CONDS.: MS-B CASE: EOH0022
ENHANCED (S 15B 2N 0T)

DATA: AD30513586 #1651
CALI: AD30513586 # 2

BASE M/Z: 202
RIC: 3107.

00389

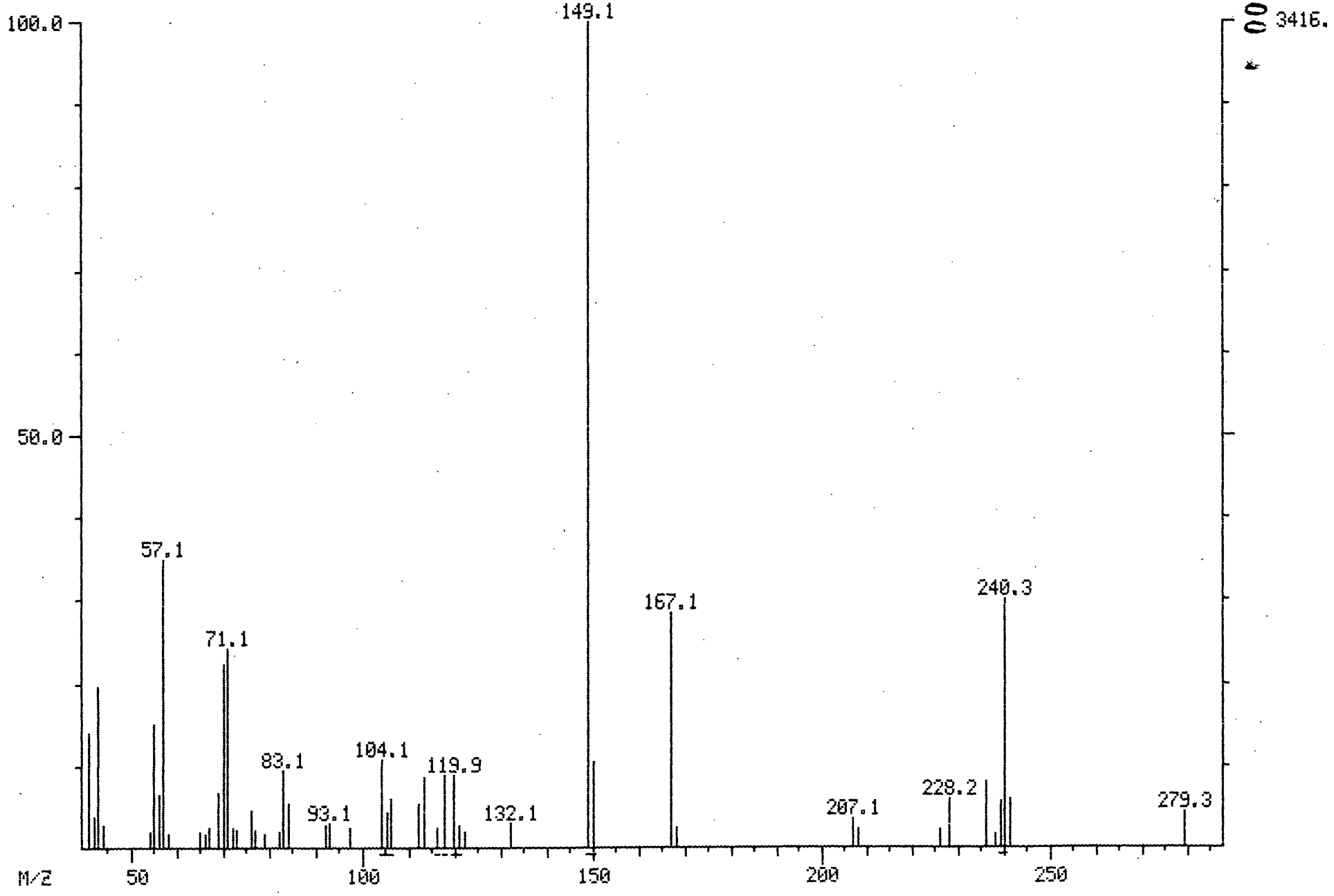


MID MASS SPECTRUM
06/15/91 21:24:00 + 29:44
SAMPLE: S2 91-13586
CONDS.: MS-B CASE: EOH0022
GC TEMP: 297 DEG. C

DATA: AD30S13586 #1850
CALI: AD30S13586 #2

BASE M/Z: 149
RIC: 16080.

00390

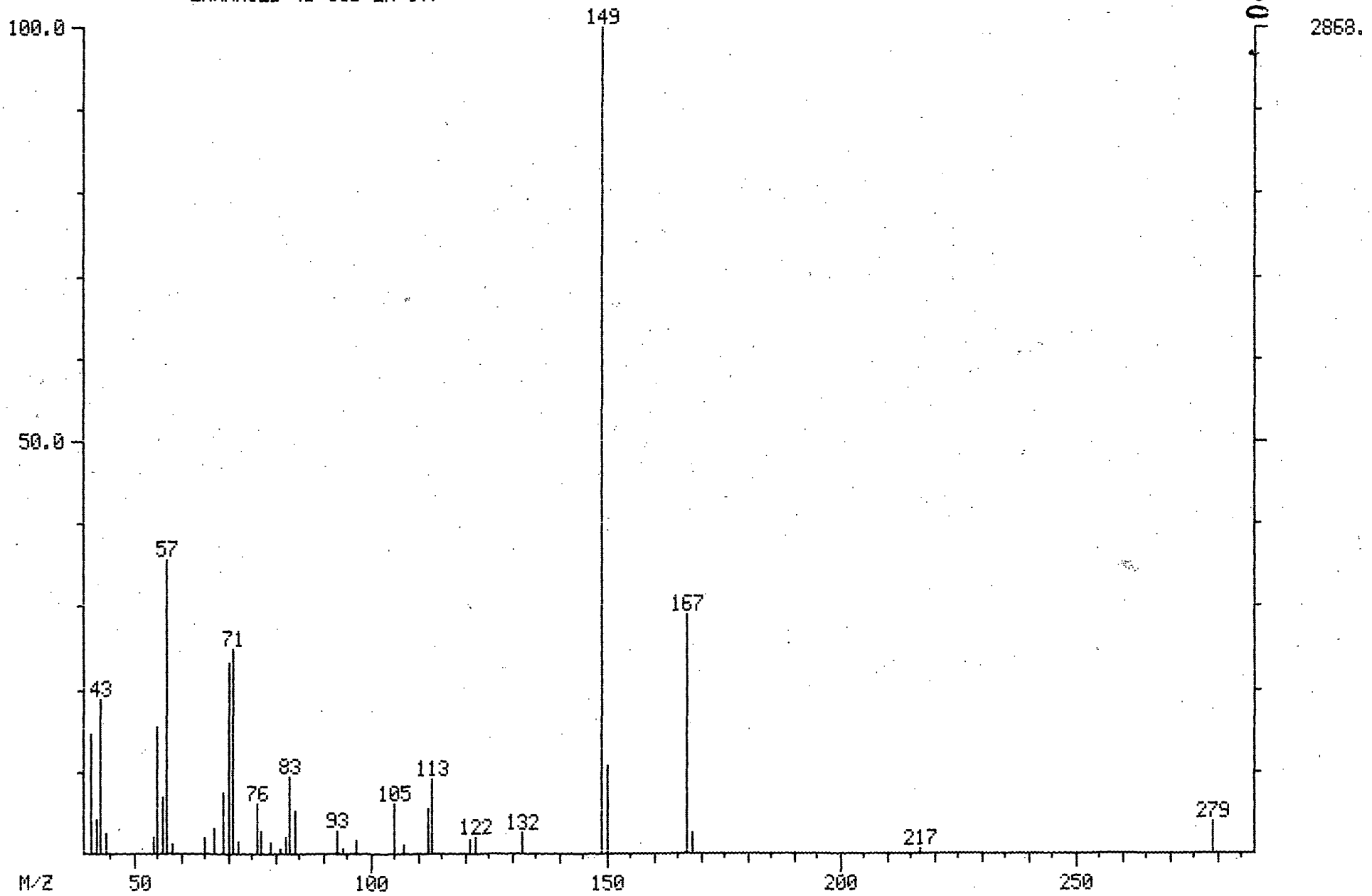


MID MASS SPECTRUM
06/15/91 21:24:00 + 29:44
SAMPLE: S2 91-13586
CONDS.: MS-B CASE: EOH0022
GC TEMP: 297 DEG. C
ENHANCED (S 15B 2N 0T)

DATA: AD30513586 #1850
CALI: AD30513586 #2

BASE M/Z: 149
RIC: 10624.

00391

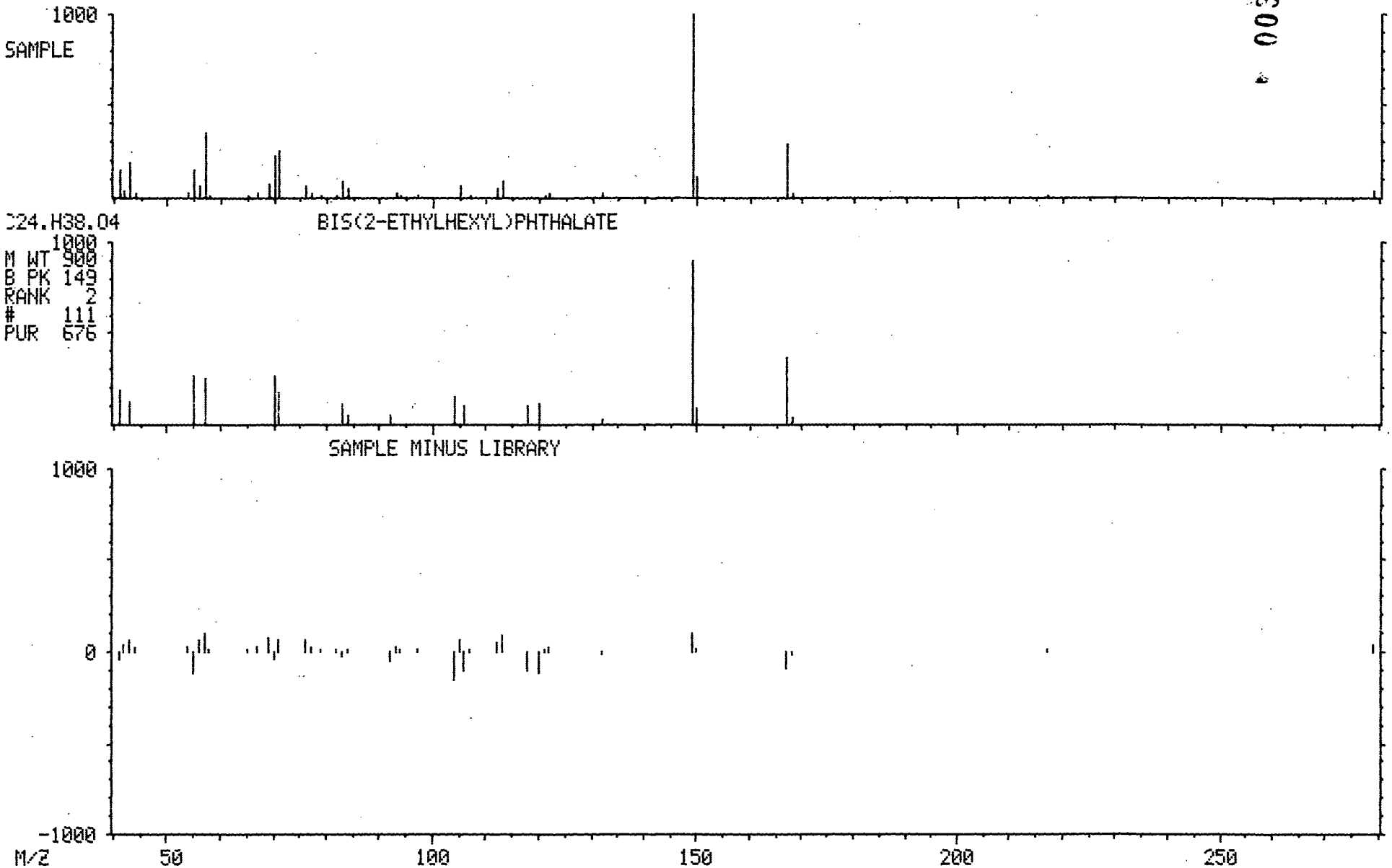


MID LIBRARY SEARCH
06/15/91 21:24:00 + 29:44
SAMPLE: S2 91-13586
CONDS.: MS-B CASE: EOH0022
ENHANCED (S 15B 2N 0T)

DATA: AD30513586 #1850
CALI: AD30513586 # 2

BASE M/Z: 149
RIC: 10575.

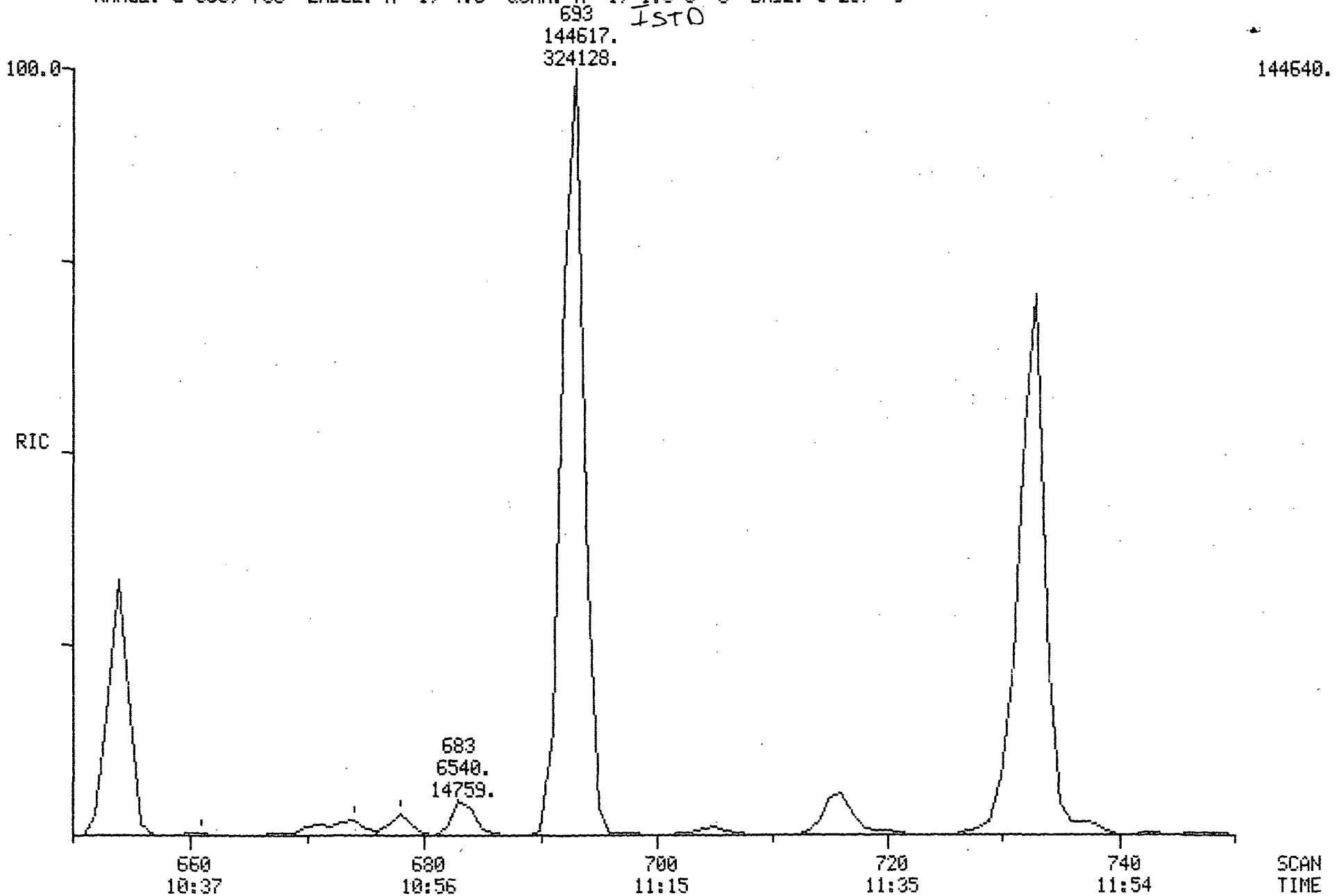
00392



MIDRIC
06/15/91 21:24:00
SAMPLE: S2 91-13586
CONDS.: MS-B CASE: EOH0022
RANGE: G 660, 700 LABEL: N 1, 4.0 QUAN: A 1, 1.0 J 0 BASE: U 20, 3

DATA: AD30S13586 #1 SCANS 650 TO 750
CALI: AD30S13586 #2

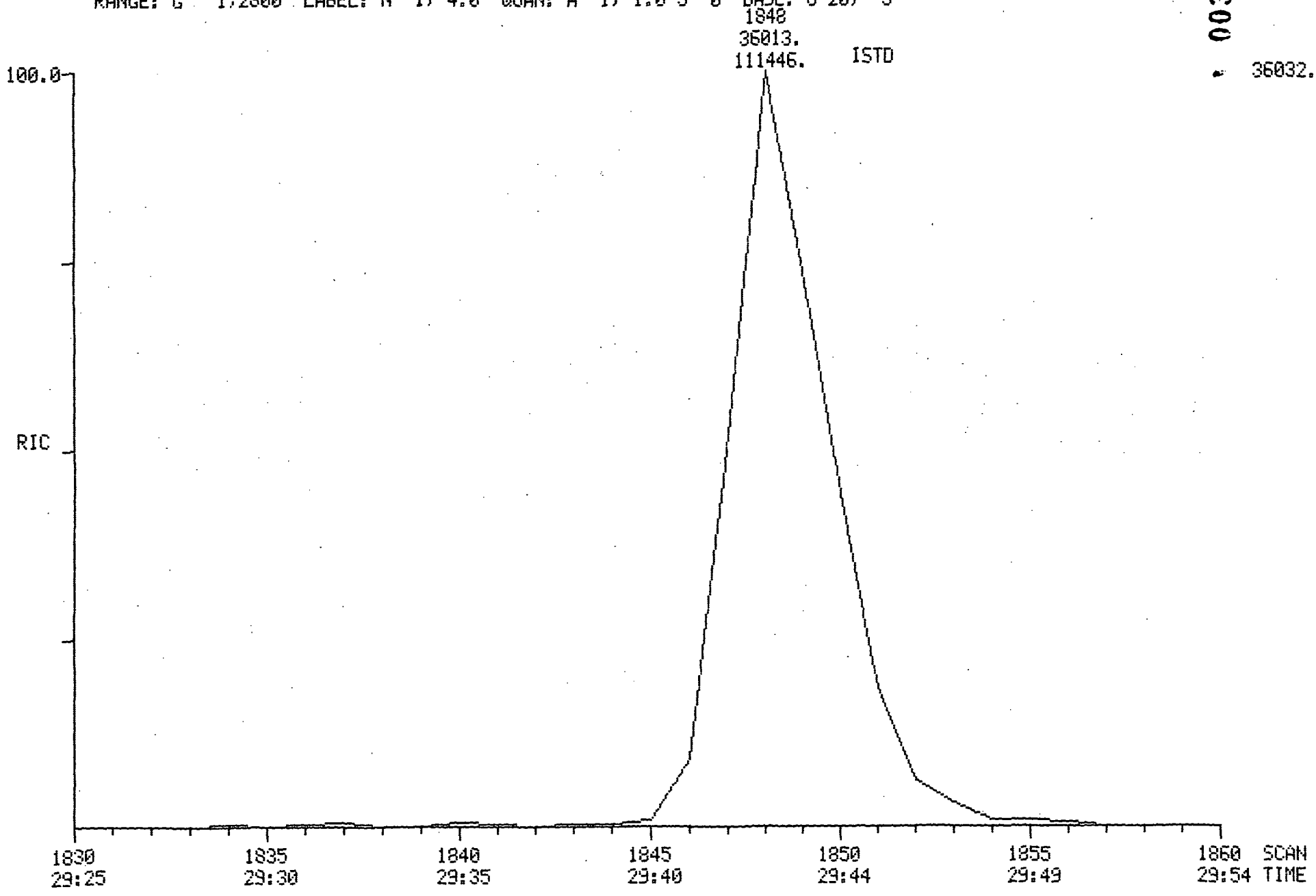
00393



MIDRIC
06/15/91 21:24:00
SAMPLE: S2 91-13586
CONDS.: MS-B CASE: EOH0022
RANGE: G 1,2800 LABEL: N 1, 4.0 QUAN: A 1, 1.0 J 0 BASE: U 20, 3

DATA: AD30513586 #410 SCANS 1830 TO 1860
CALI: AD30513586 #2

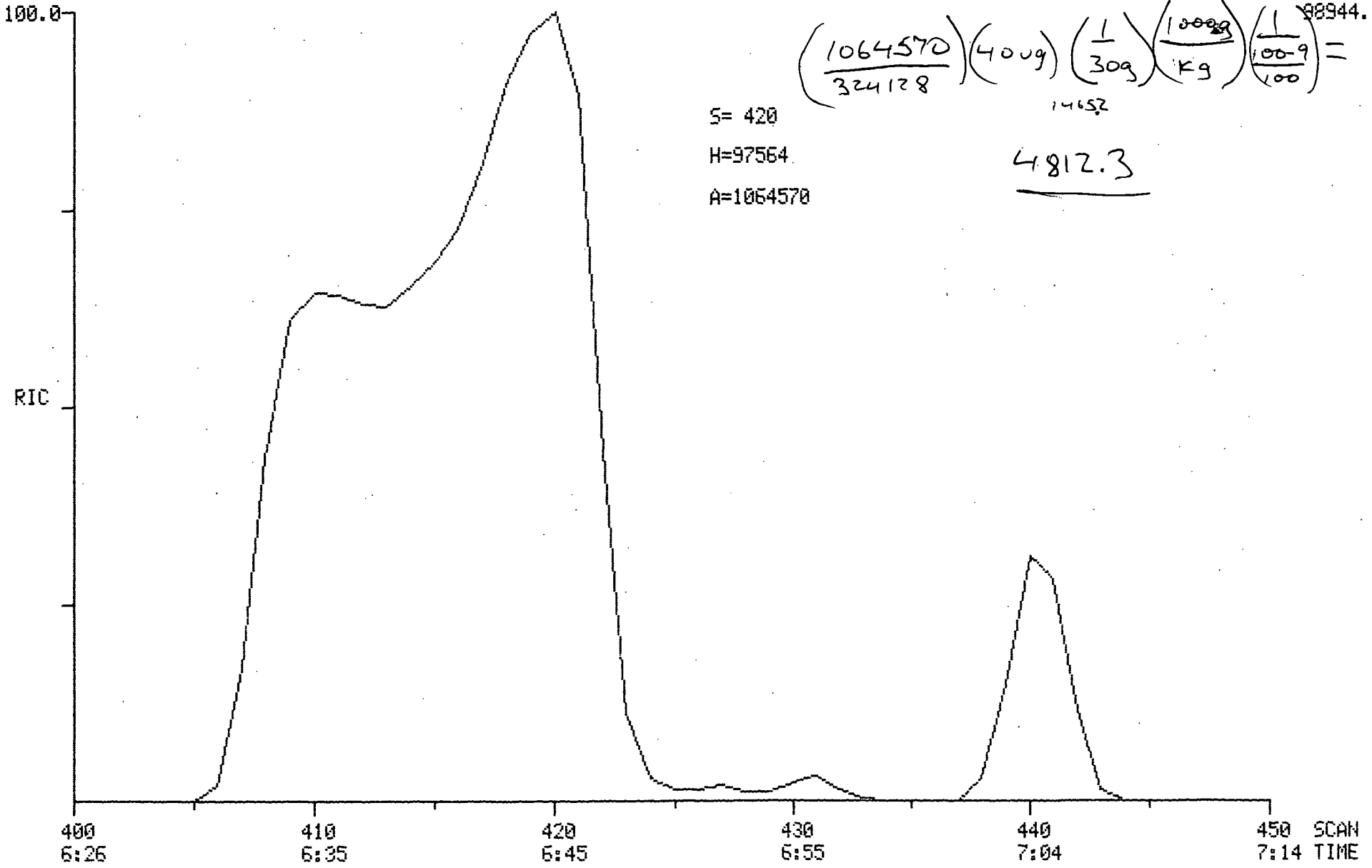
00394



MIDRIC
06/15/91 21:24:00
SAMPLE: S2 91-13586
CONDS.: MS-B CASE: EOH0022
RANGE: G 1, 200 LABEL: N 1, 4.0 QUAN: A 1, 1.0 J 0 BASE: U 20, 3

DATA: AD30513586 #410 SCANS 400 TO 450
CALI: AD30513586 #2

00395



$\left(\frac{1064570}{324128}\right)(400g)\left(\frac{1}{30g}\right)\left(\frac{1000g}{Kg}\right)\left(\frac{1}{\frac{100-9}{100}}\right) =$ 88944.

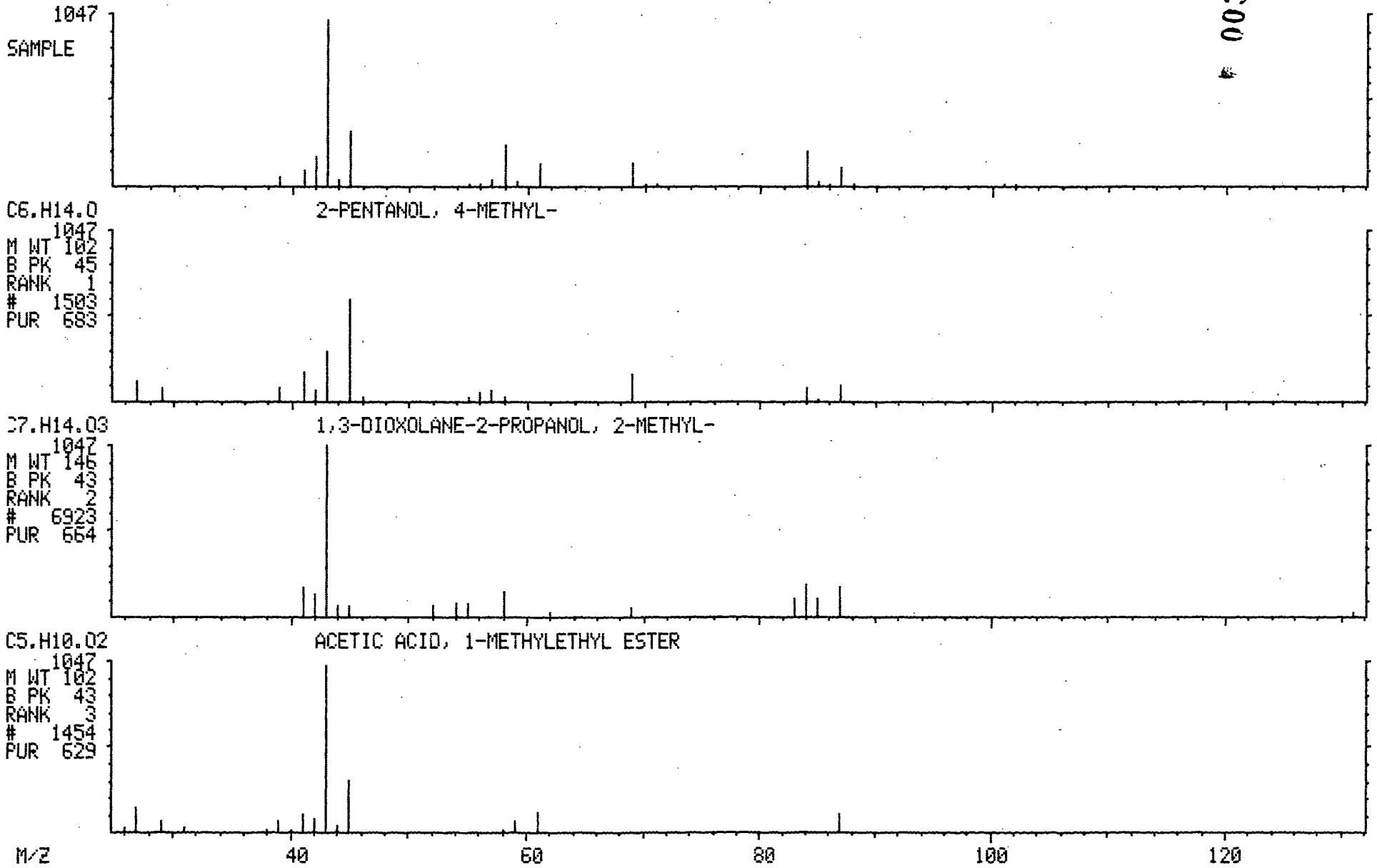
14652

4812.3

MID LIBRARY SEARCH
06/15/91 21:24:00 + 6:45
SAMPLE: S2 91-13586
CONDS.: MS-B CASE: EDH0022
ENHANCED (S 15B 2N 0T)

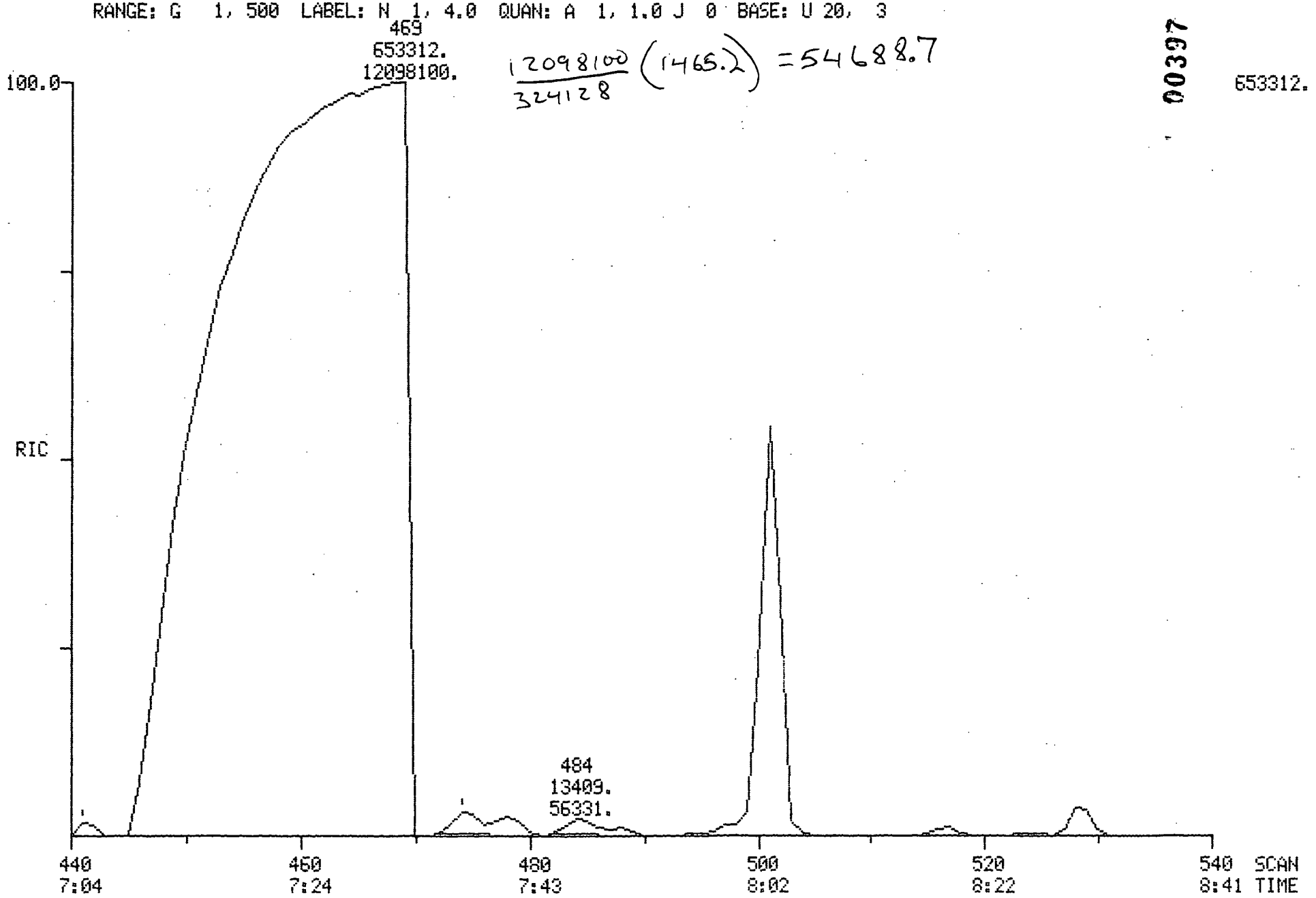
DATA: AD30513586 # 420 BASE M/Z: 43
CALI: AD30513586 # 2 RIC: 66943.

00396



MIDRIC
06/15/91 21:24:00
SAMPLE: S2 91-13586
CONDS.: MS-B CASE: EOH0022
RANGE: G 1, 500 LABEL: N 1, 4.0 QUAN: A 1, 1.0 J 0 BASE: U 20, 3

DATA: AD30513586 #410 SCANS 440 TO 540
CALI: AD30513586 #2



$\frac{12098100}{324128}(1465.2) = 54688.7$

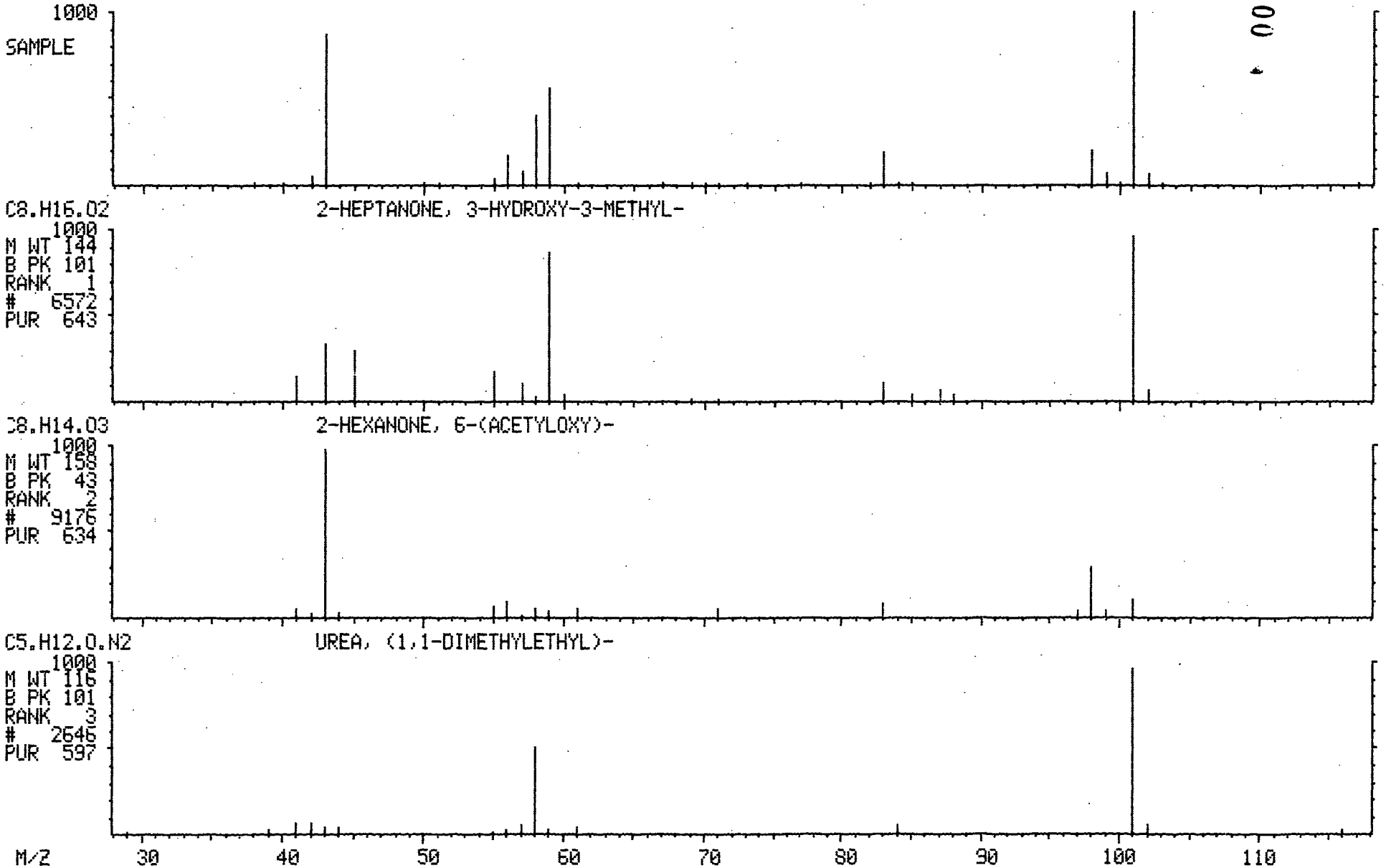
00397

MID LIBRARY SEARCH
06/15/91 21:24:00 + 7:31
SAMPLE: S2 91-13586
CONDS.: MS-B CASE: EOH0022
ENHANCED (S 15B 2N 0T)

DATA: AD30513586 # 468
CALI: AD30513586 # 2

BASE M/Z: 101
RIC: 335359.

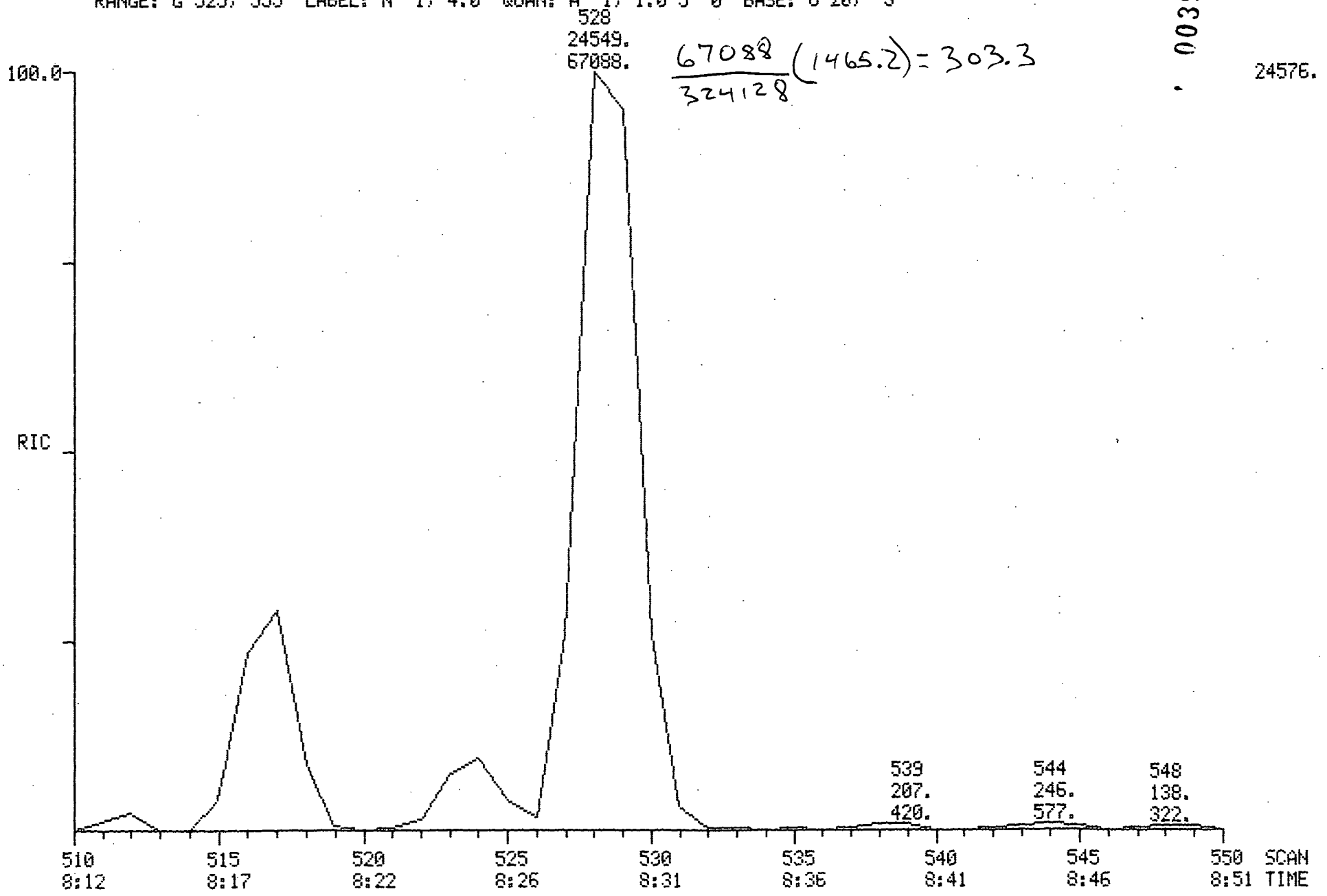
00398



MIDRIC
06/15/91 21:24:00
SAMPLE: S2 91-13586
CONDS.: MS-B CASE: EOH0022
RANGE: G 525, 555 LABEL: N 1, 4.0 QUAN: A 1, 1.0 J 0 BASE: U 20, 3

DATA: AD30513586 #410 SCANS 510 TO 550
CALI: AD30513586 #2

00399

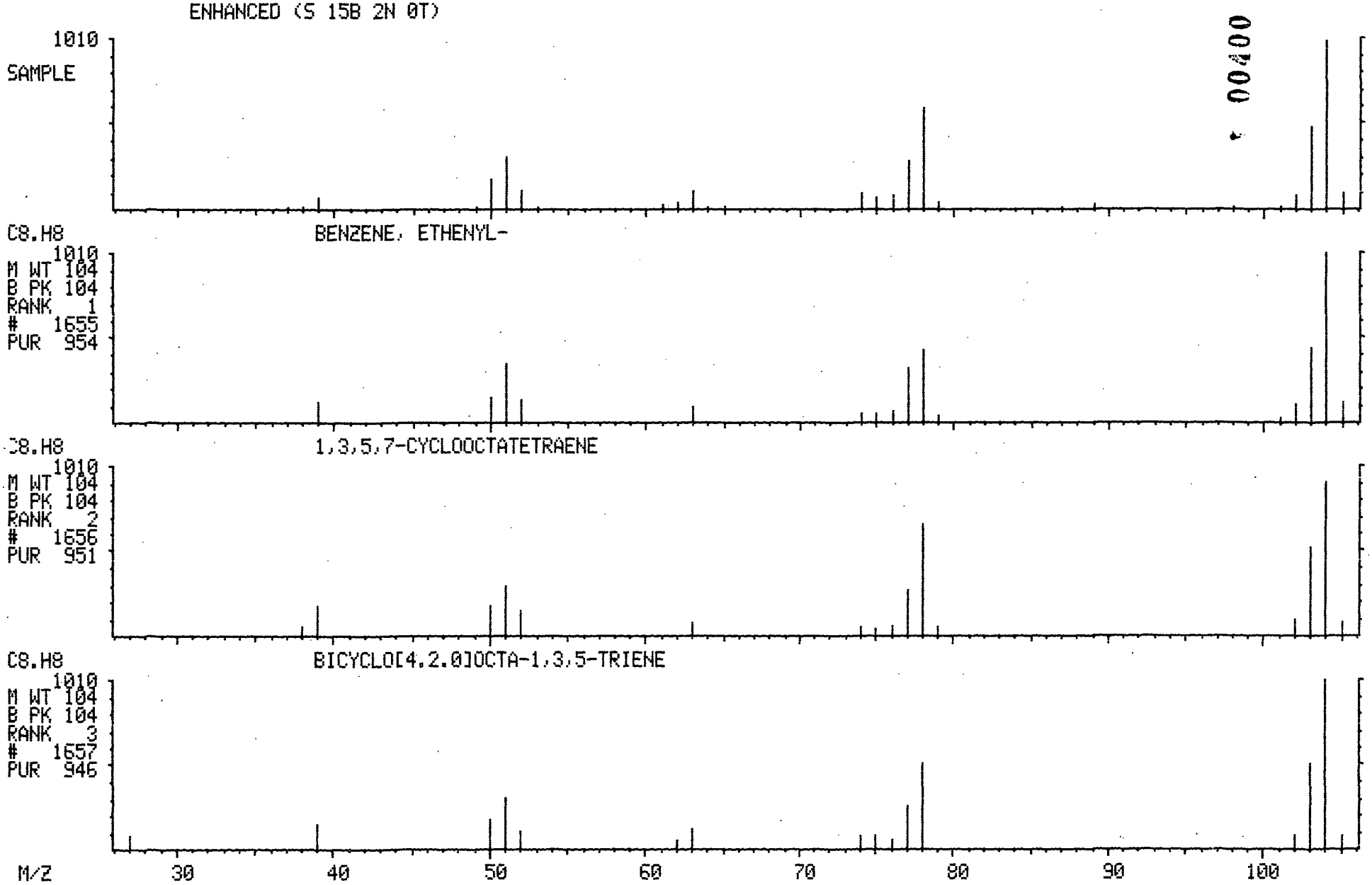


$\frac{67088}{324128}(1465.2) = 303.3$

MID LIBRARY SEARCH
06/15/91 21:24:00 + 8:29
SAMPLE: S2 91-13586
CONDS.: MS-B CASE: EOH0022
ENHANCED (S 15B 2N 0T)

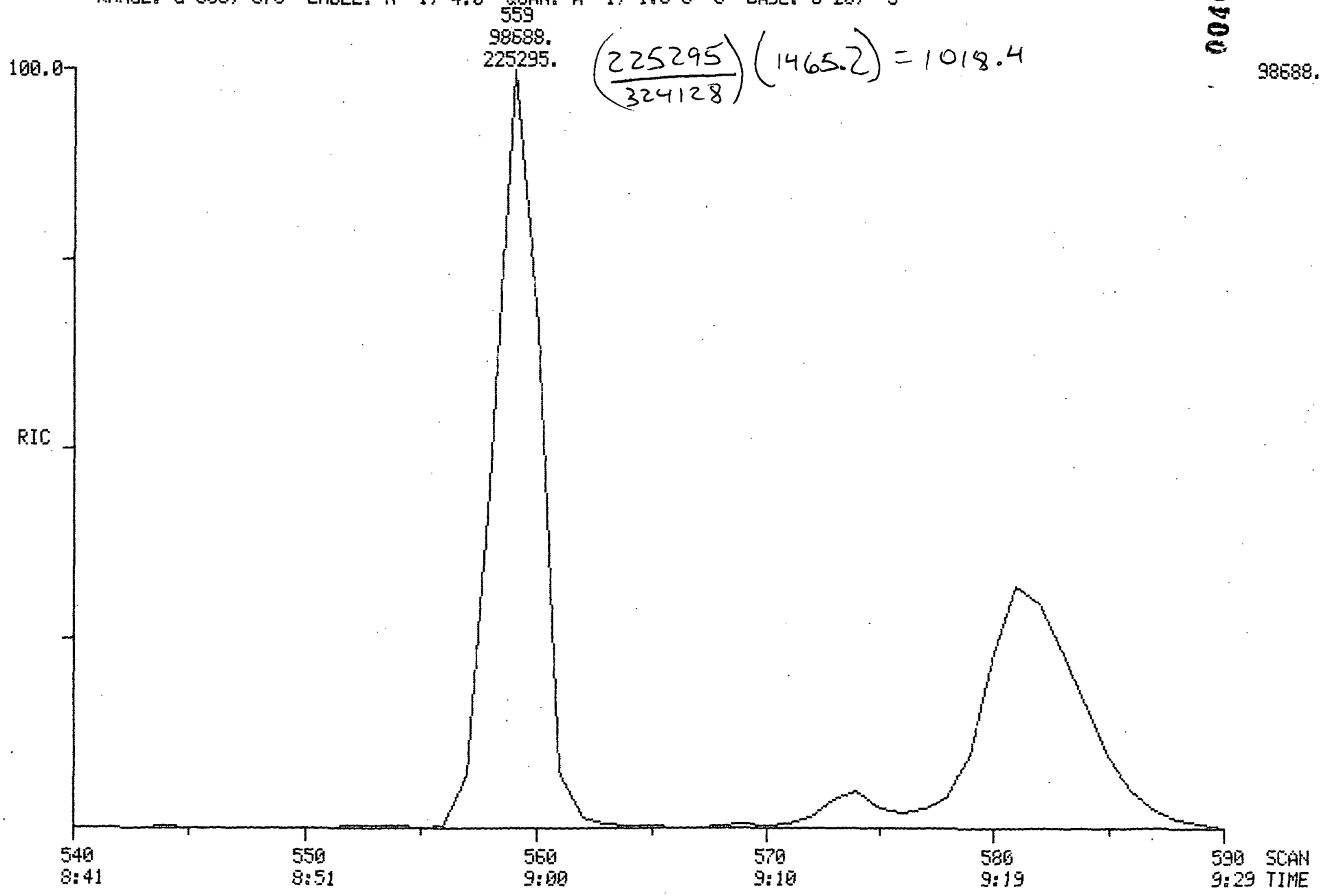
DATA: AD30513586 # 528
CALI: AD30513586 # 2

BASE M/Z: 104
RIC: 21439.



MIDRIC
06/15/91 21:24:00
SAMPLE: S2 91-13586
CONDS.: MS-B CASE: EOH0022
RANGE: G 550, 570 LABEL: N 1, 4.0 QUAN: A 1, 1.0 J 0 BASE: U 20, 3

DATA: AD30S13586 #410 SCANS 540 TO 590
CALI: AD30S13586 #2



$\left(\frac{225295}{324128}\right)(1465.2) = 1018.4$

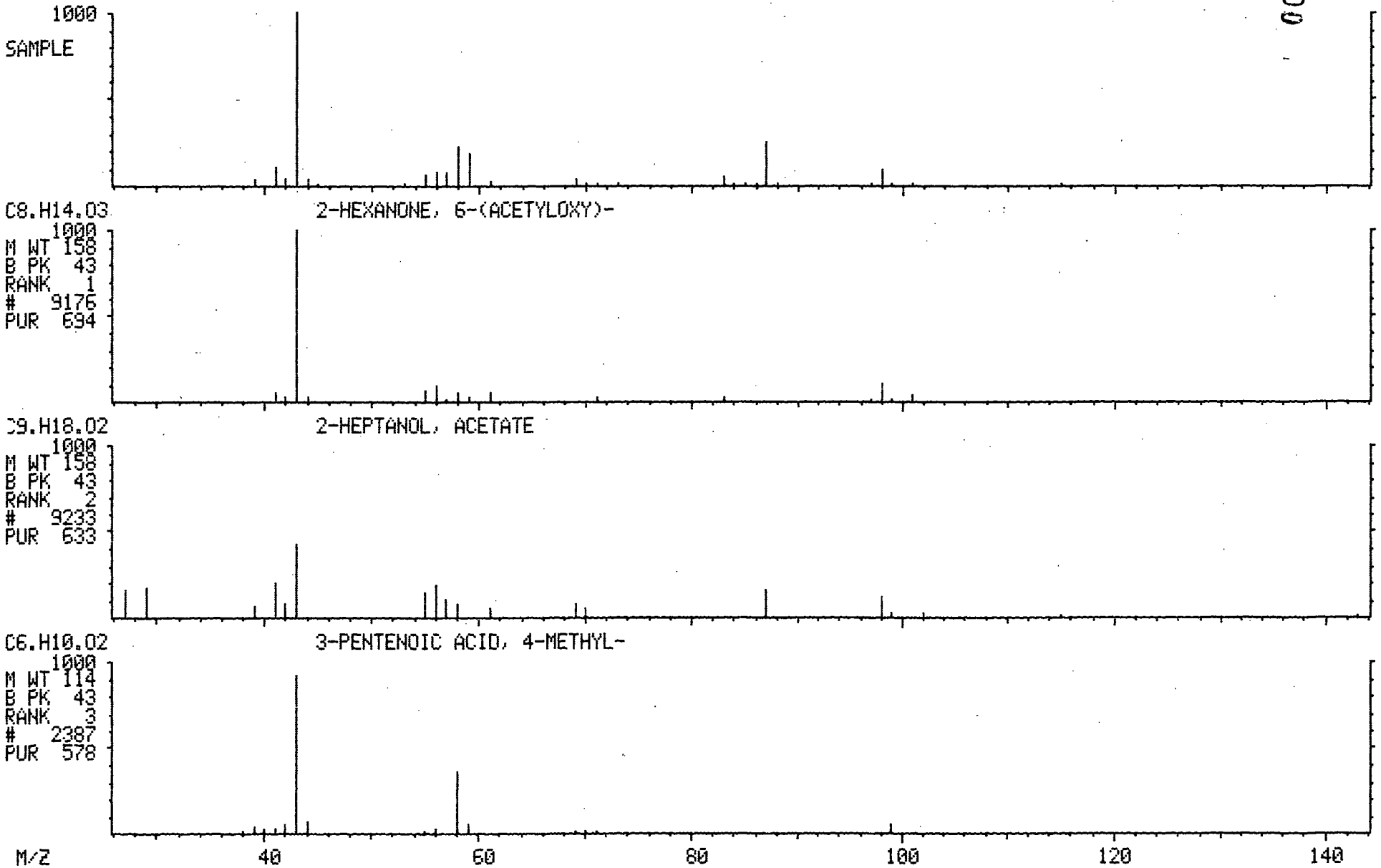
10400

MID LIBRARY SEARCH
06/15/91 21:24:00 + 8:59
SAMPLE: S2 91-13586
CONDS.: MS-B CASE: EOH0022
ENHANCED (S 15B 2N 0T)

DATA: AD30S13586 # 559
CALI: AD30S13586 # 2

BASE M/Z: 43
RIC: 82943.

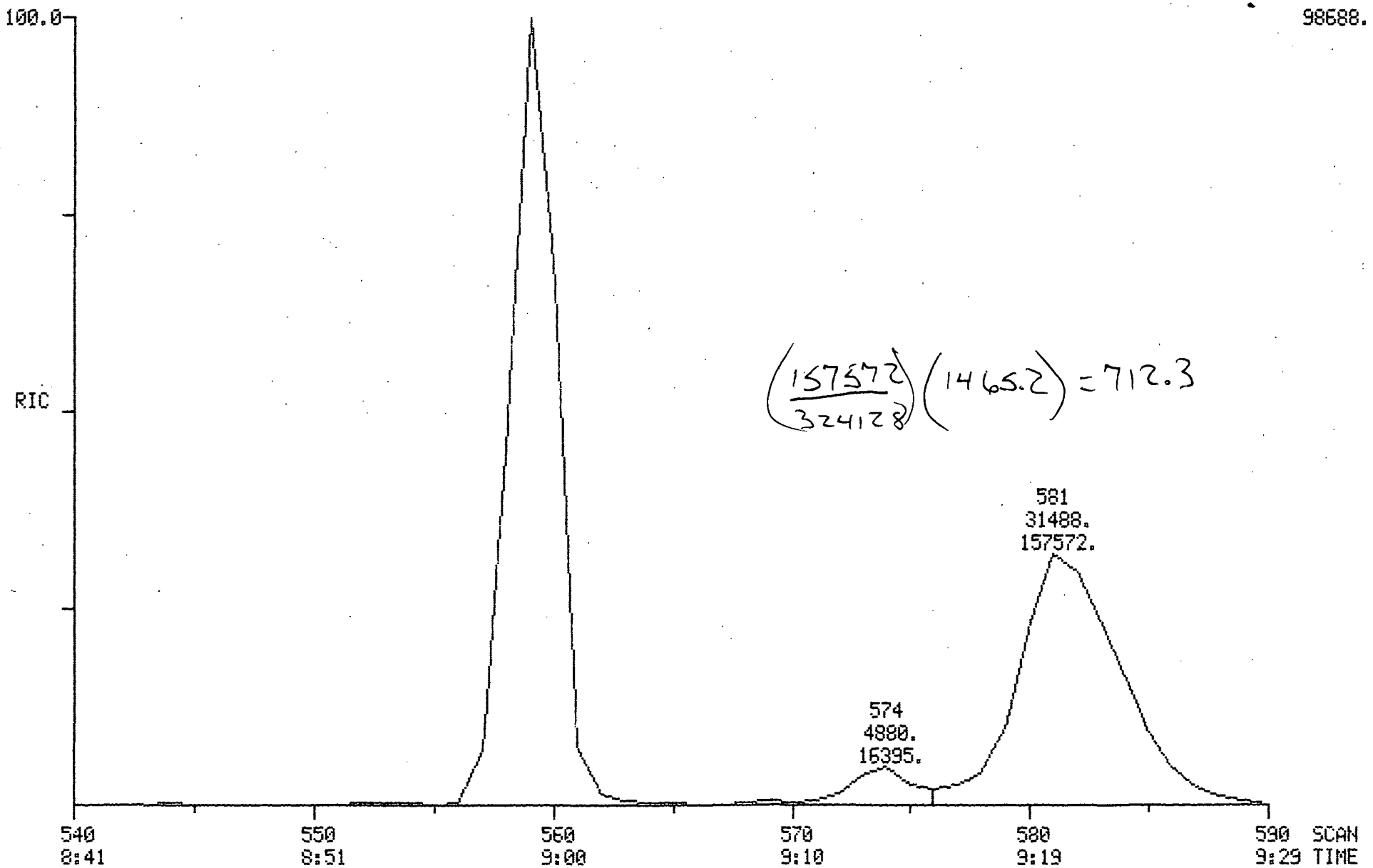
00402



MIDRIC
06/15/91 21:24:00
SAMPLE: S2 91-13586
CONDS.: MS-B CASE: EOH0022
RANGE: G 570, 590 LABEL: N 1, 4.0 QUAN: A 1, 1.0 J 0 BASE: U 20, 3

DATA: AD30513586 #410 SCANS 540 TO 590
CALI: AD30513586 #2

00403



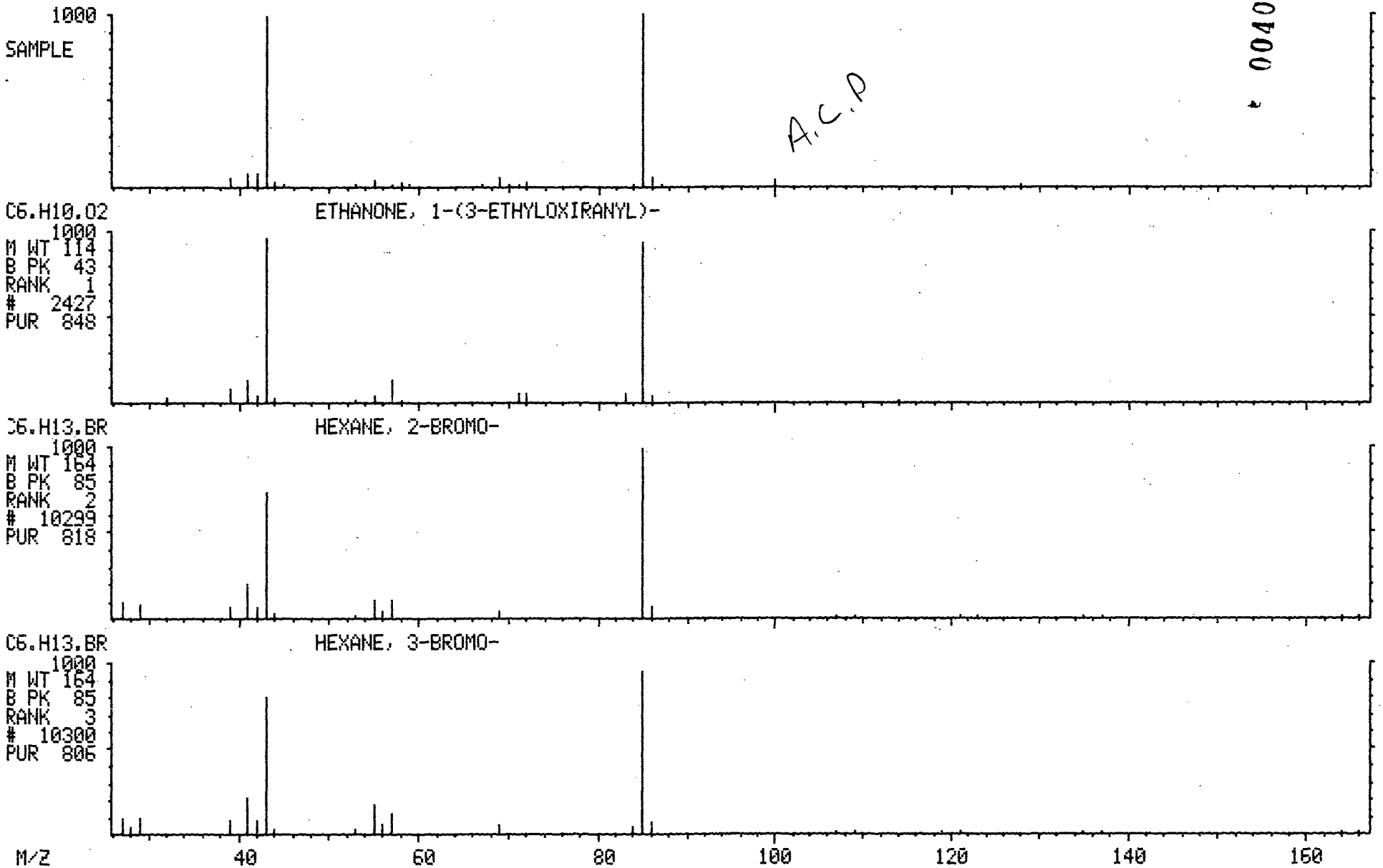
$\left(\frac{157572}{324128}\right)\left(1465.2\right) = 712.3$

MID LIBRARY SEARCH
06/15/91 21:24:00 + 9:20
SAMPLE: S2 91-13586
CONDS.: MS-B CASE: EOH0022
ENHANCED (S 15B 2N 0T)

DATA: AD30513586 # 581 BASE M/Z: 85
CALI: AD30513586 # 2 RIC: 28447.

A.C.P

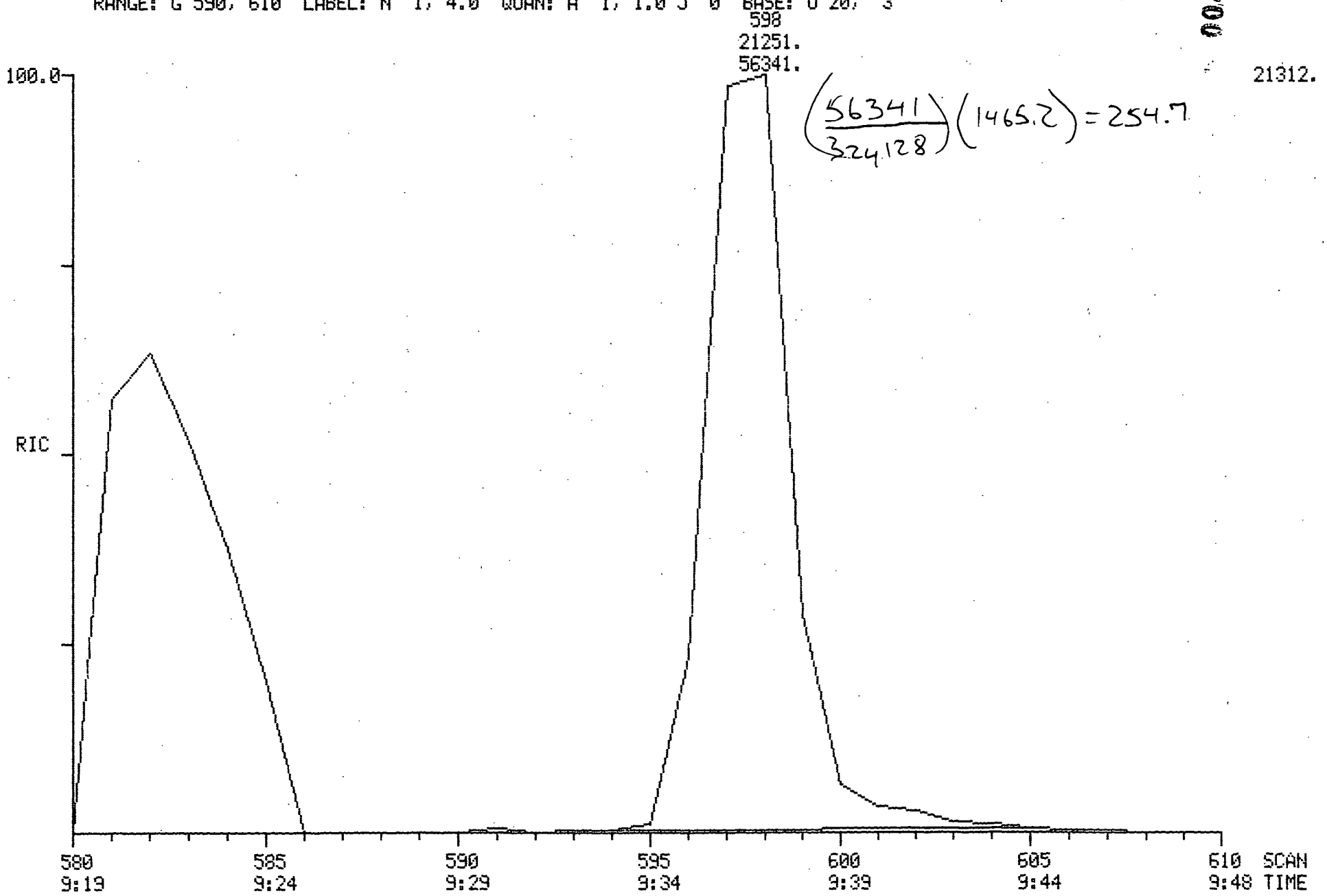
00404



MIDRIC
06/15/91 21:24:00
SAMPLE: S2 91-13586
CONDS.: MS-B CASE: EOH0022
RANGE: G 590, 610 LABEL: N 1, 4.0 QUAN: A 1, 1.0 J 0 BASE: U 20, 3

DATA: AD30513586 #410 SCANS 580 TO 610
CALI: AD30513586 #2

00405



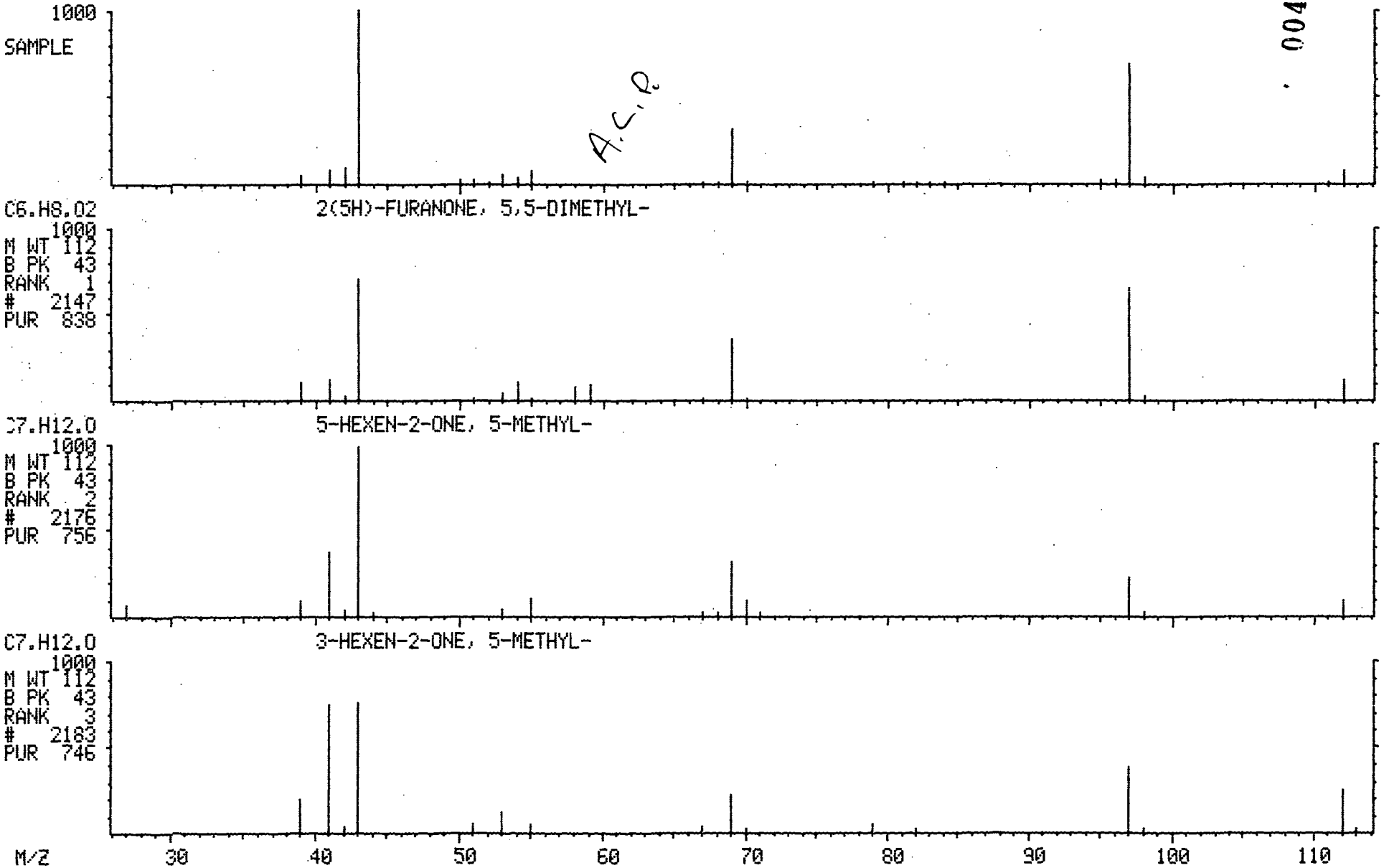
$\left(\frac{56341}{324128}\right)(1465.2) = 254.7$

MID LIBRARY SEARCH
06/15/91 21:24:00 + 9:36
SAMPLE: S2 91-13586
CONDS.: MS-B CASE: EOH0022
ENHANCED (S 15B 2N 0T)

DATA: AD30513586 # 597 BASE M/Z: 43
CALI: AD30513586 # 2 RIC: 18207.

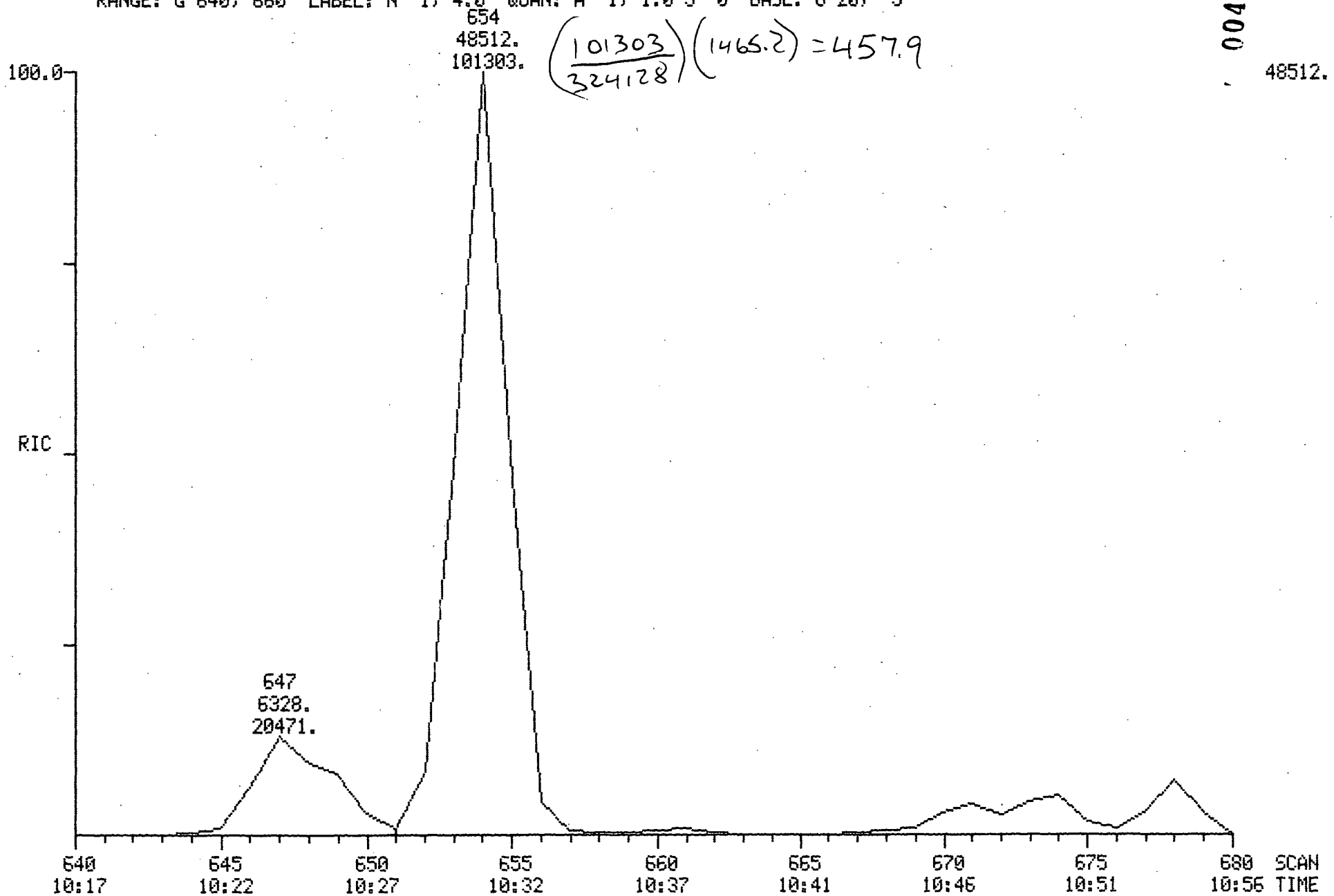
00406

A.C.R.



MIDRIC
06/15/91 21:24:00
SAMPLE: S2 91-13586
CONDS.: MS-B CASE: EOH0022
RANGE: G 640, 660 LABEL: N 1, 4.0 QUAN: A 1, 1.0 J 0 BASE: U 20, 3

DATA: AD30513586 #410 SCANS 640 TO 680
CALI: AD30513586 #2



$\left(\frac{101303}{324128}\right)(1465.2) = 457.9$

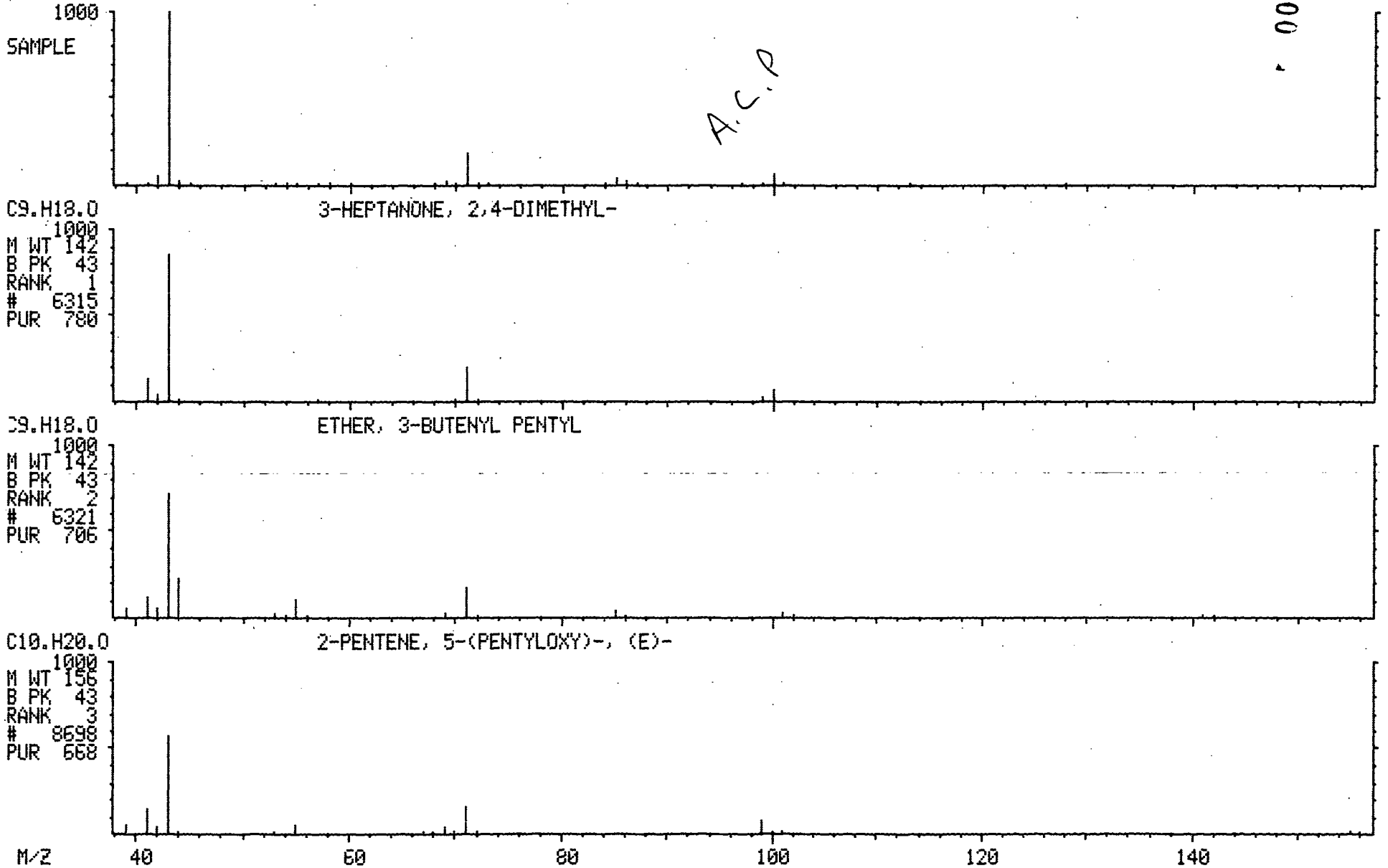
00407

MID LIBRARY SEARCH
06/15/91 21:24:00 + 10:31
SAMPLE: S2 91-13586
CONDS.: MS-B CASE: EOH0022
ENHANCED (S 15B 2N 0T)

DATA: AD30S13586 # 654 BASE M/Z: 43
CALI: AD30S13586 # 2 RIC: 38783.

A.C.P

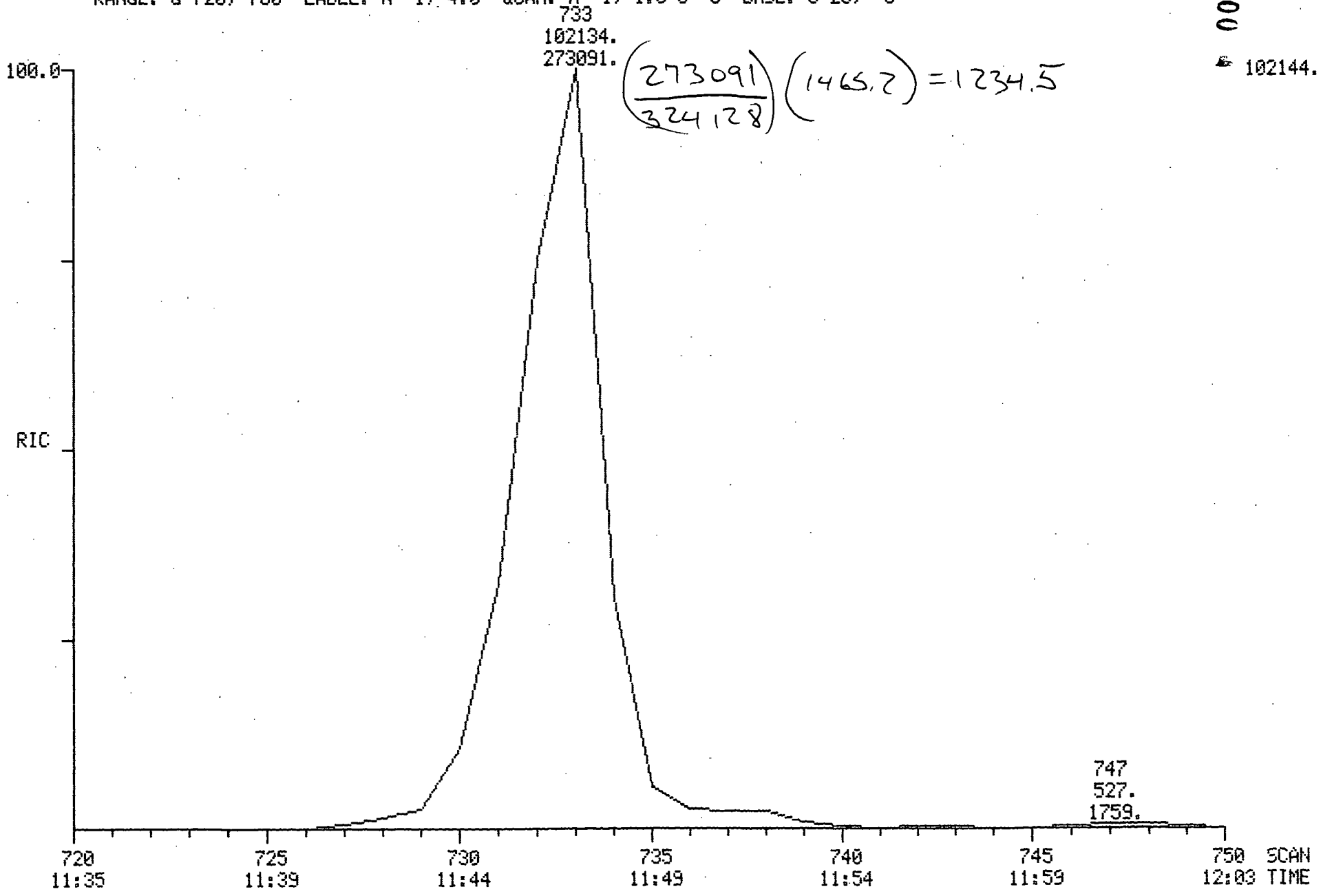
00408



MIDRIC
06/15/91 21:24:00
SAMPLE: S2 91-13586
CONDS.: MS-B CASE: EOH0022
RANGE: G 720, 760 LABEL: N 1, 4.0 QUAN: A 1, 1.0 J 0 BASE: U 20, 3

DATA: AD30513586 #410 SCANS 720 TO 750
CALI: AD30513586 #2

00409

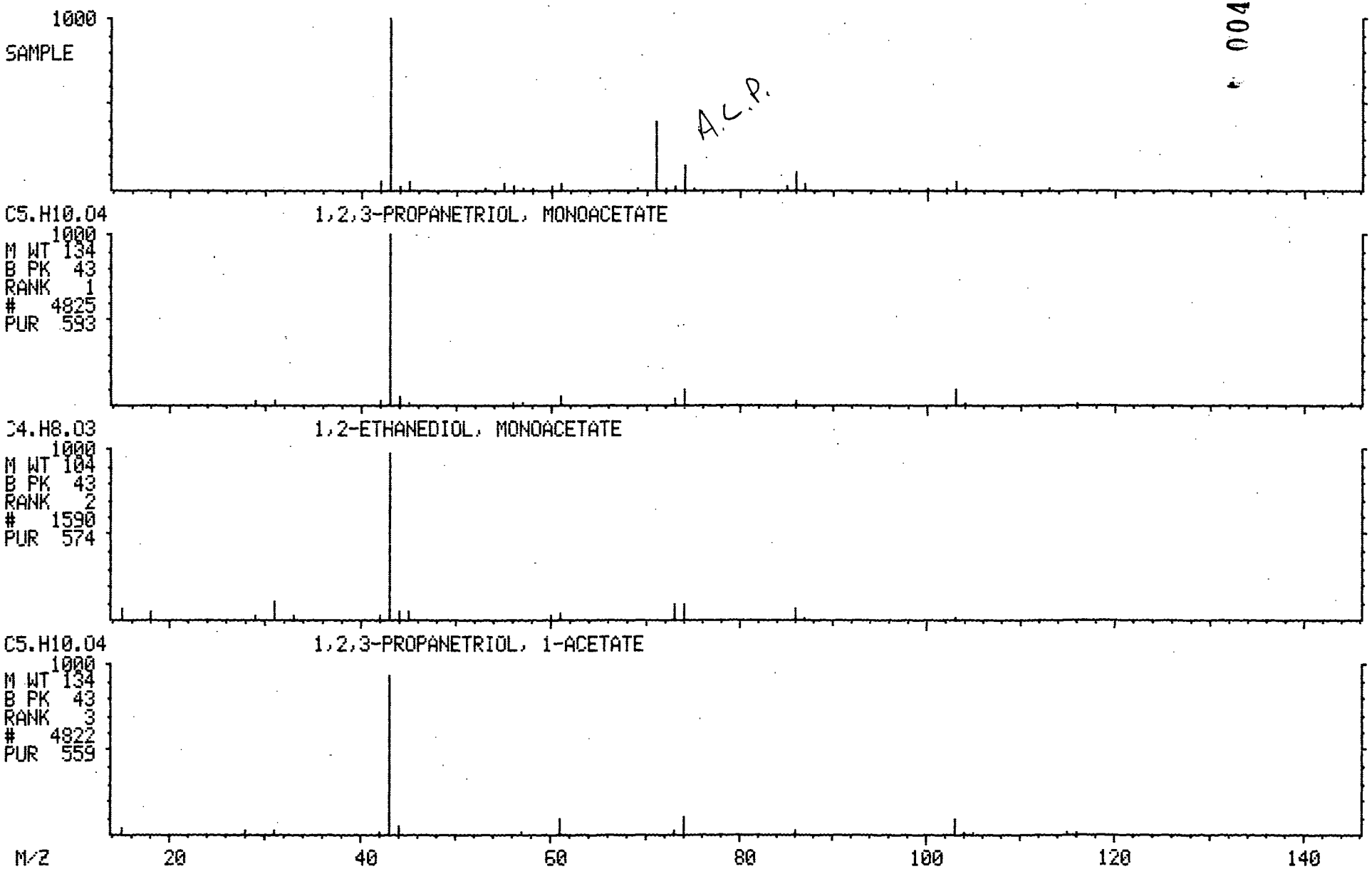


$\left(\frac{273091}{324128}\right)(1465.2) = 1234.5$

MID LIBRARY SEARCH
06/15/91 21:24:00 + 11:47
SAMPLE: S2 91-13586
CONDS.: MS-B CASE: EOH0022
ENHANCED (S 15B 2N 0T)

DATA: AD30S13586 # 733 BASE M/Z: 43
CALI: AD30S13586 # 2 RIC: 81151.

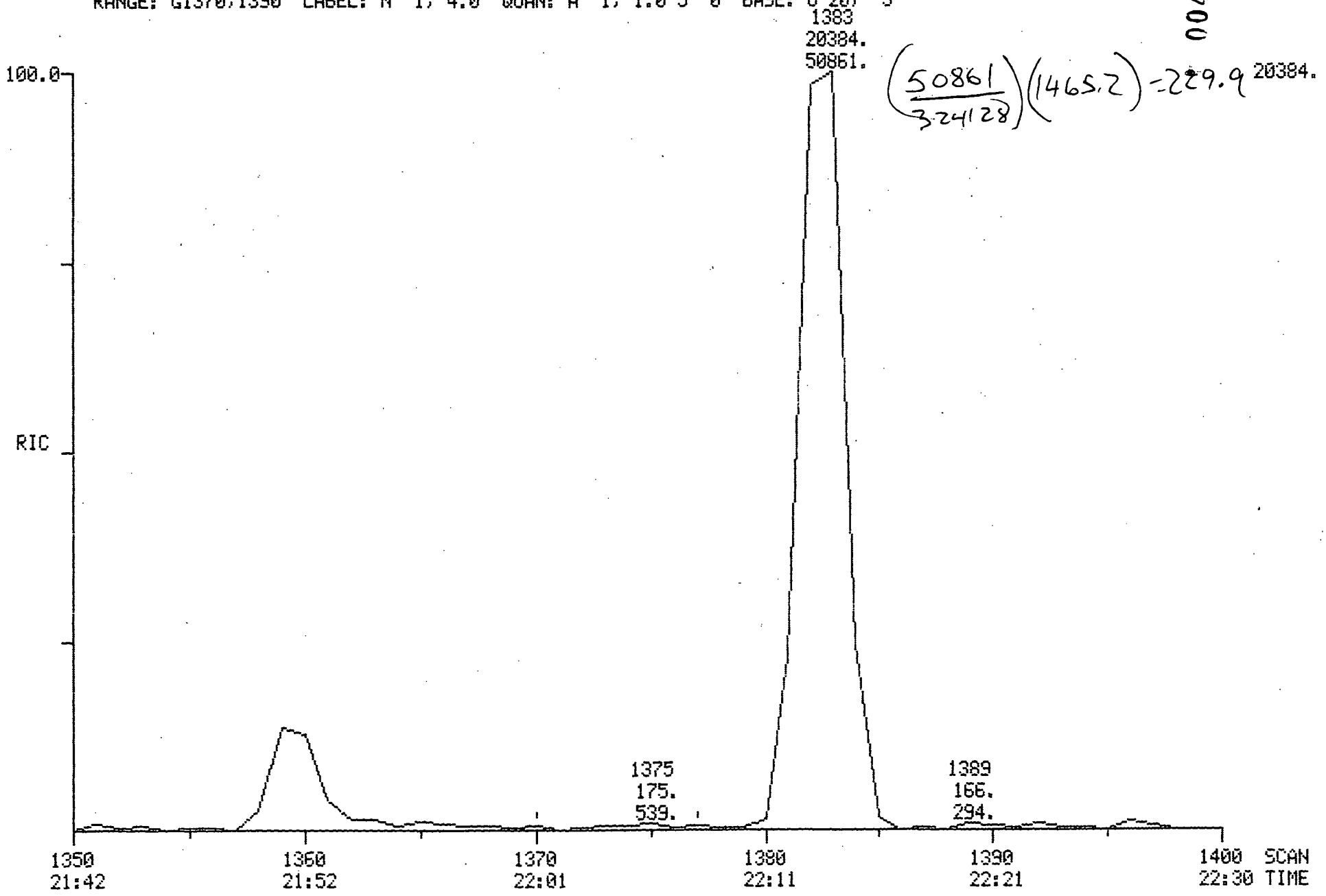
00410



MIDRIC
06/15/91 21:24:00
SAMPLE: S2 91-13586
CONDS.: MS-B CASE: EOH0022
RANGE: G1370,1390 LABEL: N 1, 4.0 QUAN: A 1, 1.0 J 0 BASE: U 20, 3

DATA: AD30513586 #410 SCANS 1350 TO 1400
CALI: AD30513586 #2

00411



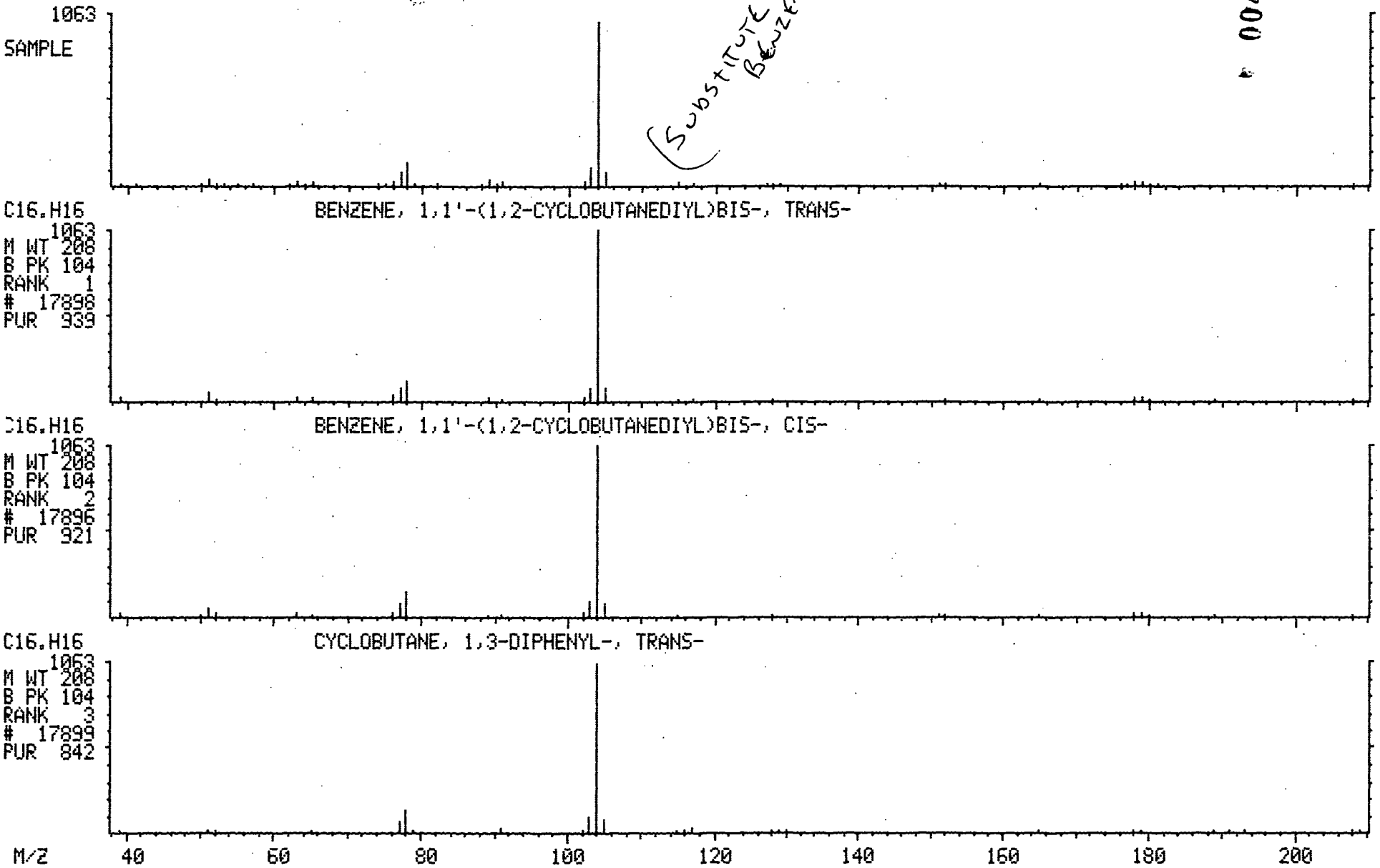
$\left(\frac{50861}{324128}\right)(1465.2) = 229.9$

MID LIBRARY SEARCH
06/15/91 21:24:00 + 22:14
SAMPLE: S2 91-13586
CONDS.: MS-B CASE: EOH0022
ENHANCED (S 15B 2N 0T)

DATA: AD30513586 #1383
CALI: AD30513586 # 2

BASE M/Z: 104
RIC: 18047.

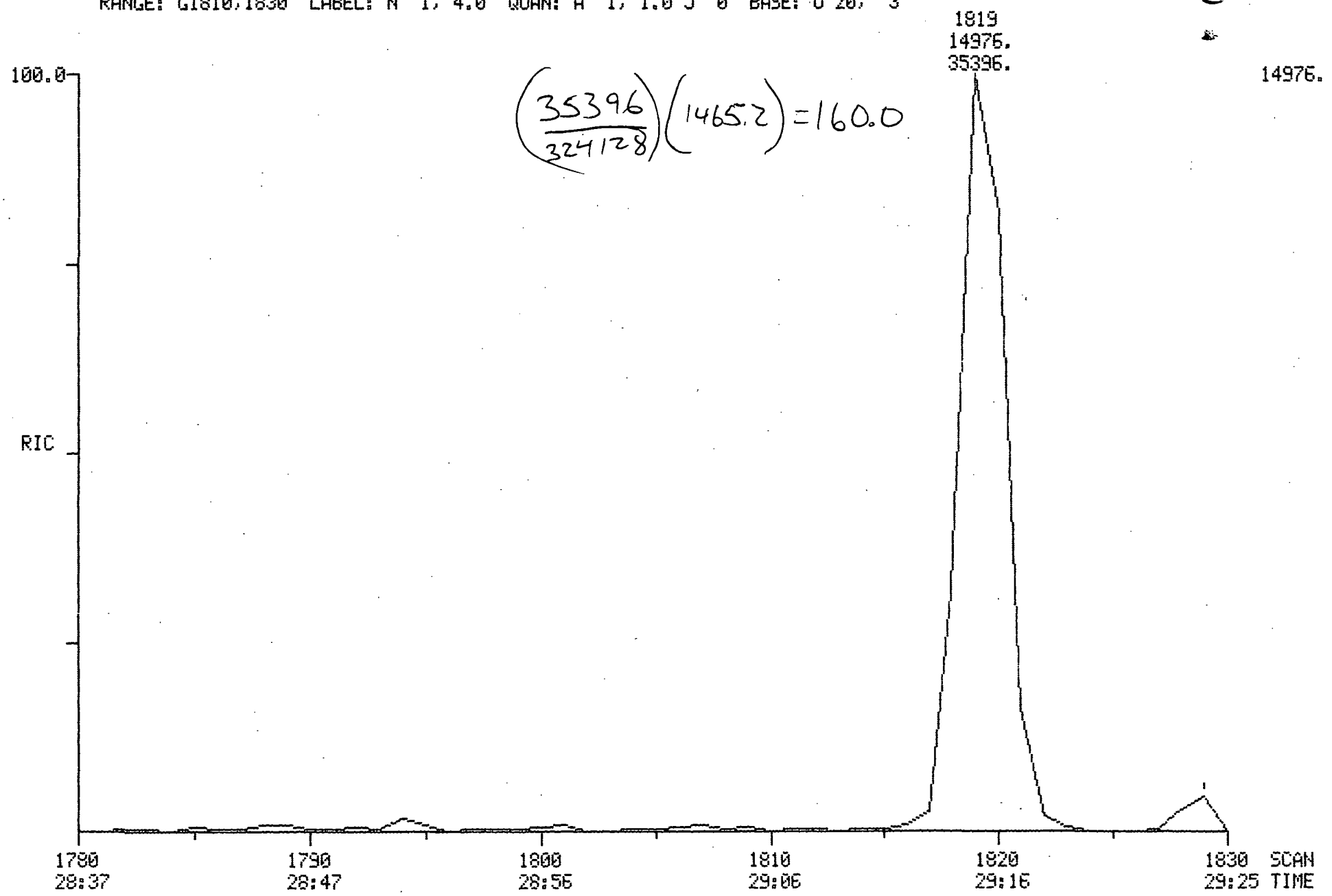
00412



MIDRIC
06/15/91 21:24:00
SAMPLE: S2 91-13586
CONDS.: MS-B CASE: EOH0022
RANGE: G1810,1830 LABEL: N 1, 4.0 QUAN: A 1, 1.0 J 0 BASE: U 20, 3

DATA: AD30513586 #410 SCANS 1780 TO 1830
CALI: AD30513586 #2

00413

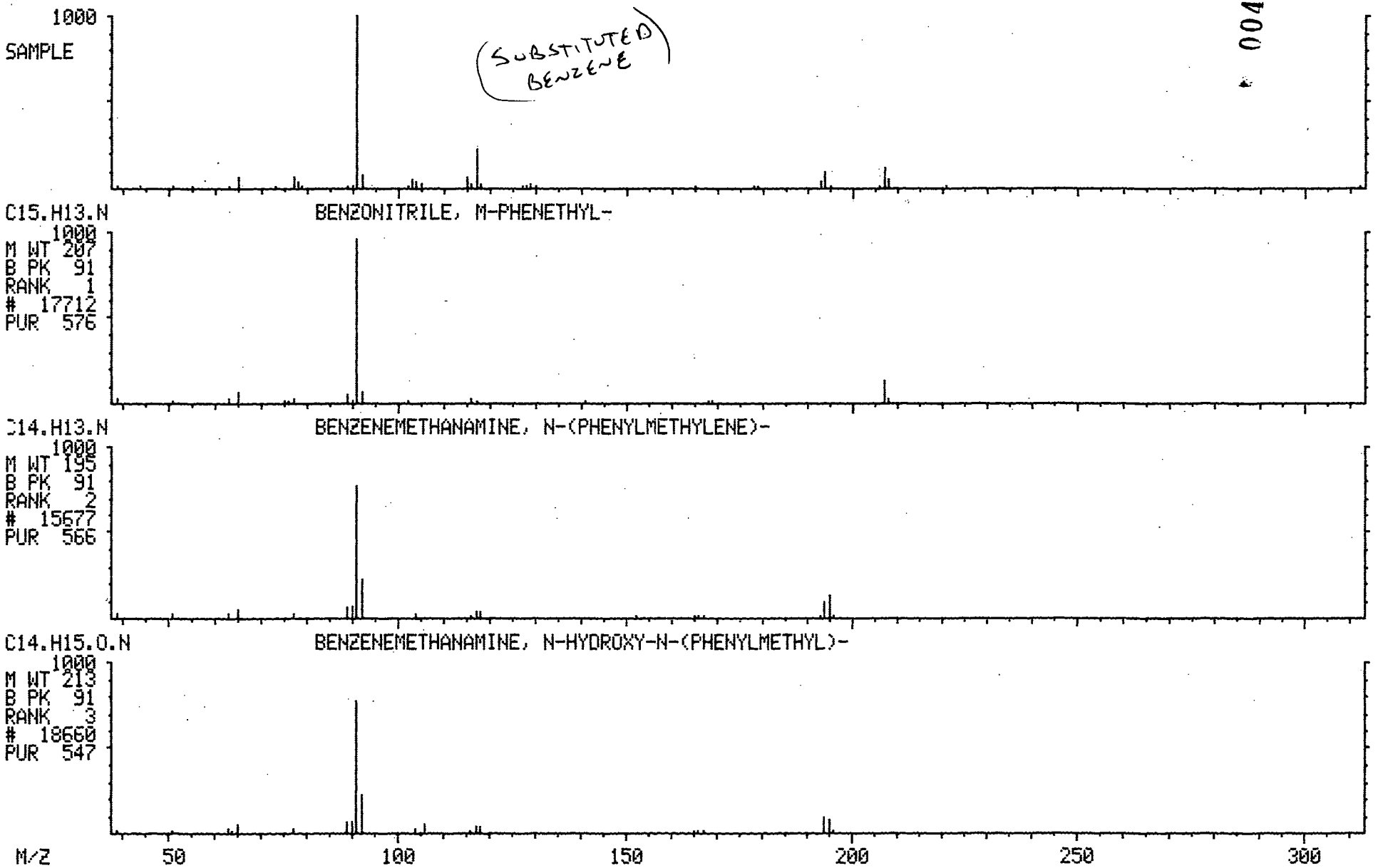


$\left(\frac{35396}{324128}\right)(1465.2) = 160.0$

MID LIBRARY SEARCH
06/15/91 21:24:00 + 29:15
SAMPLE: S2 91-13586
CONDS.: MS-B CASE: EOH0022
ENHANCED (S 15B 2N 0T)

DATA: AD30513586 #1819 BASE M/Z: 91
CALI: AD30513586 # 2 RIC: 12959.

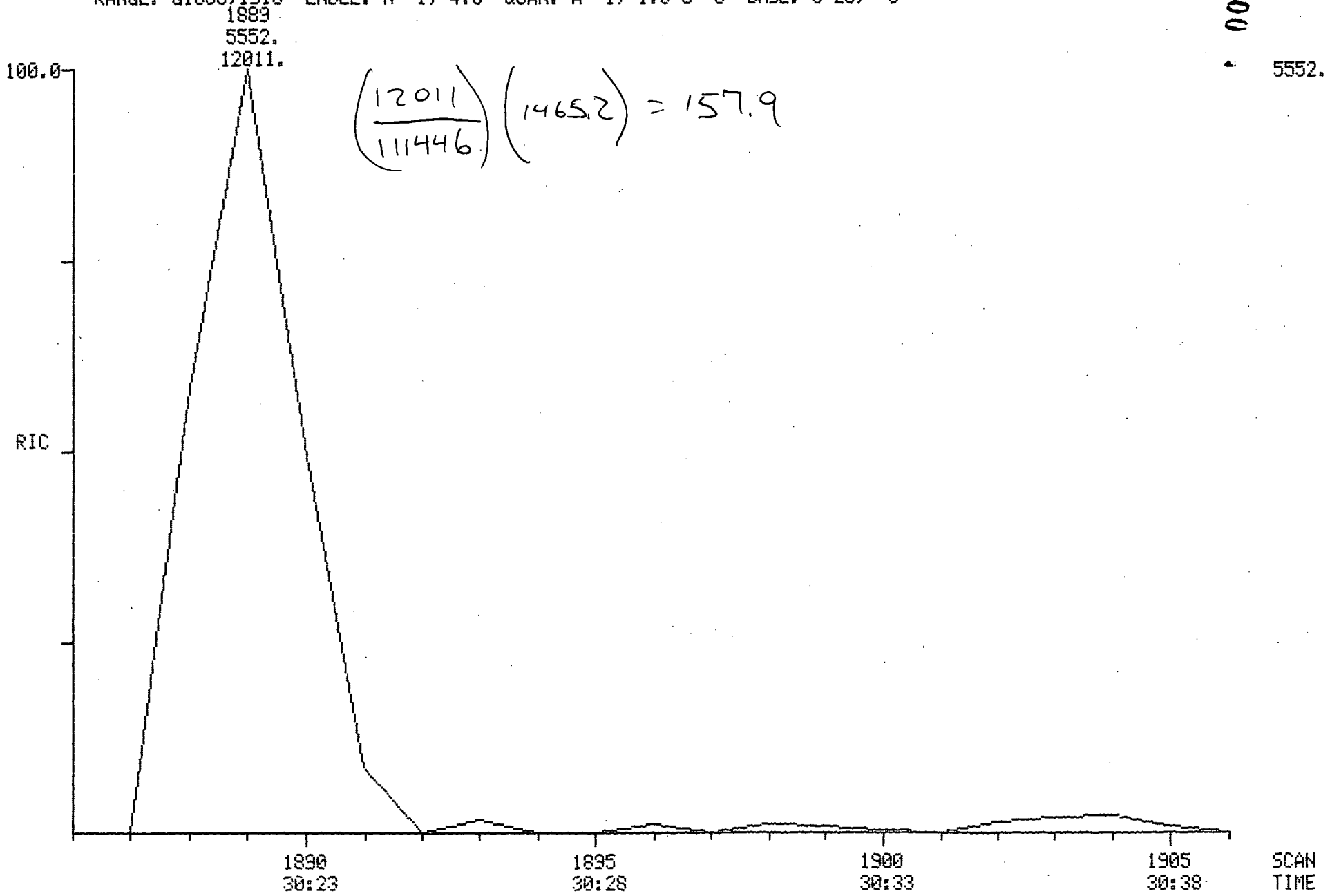
00414



MIDRIC
06/15/91 21:24:00
SAMPLE: S2 91-13586
CONDS.: MS-B CASE: EOH0022
RANGE: G1886,1916 LABEL: N 1, 4.0 QUAN: A 1, 1.0 J 0 BASE: U 20, 3

DATA: AD30513586 #410 SCANS 1886 TO 1906
CALI: AD30513586 #2

00415



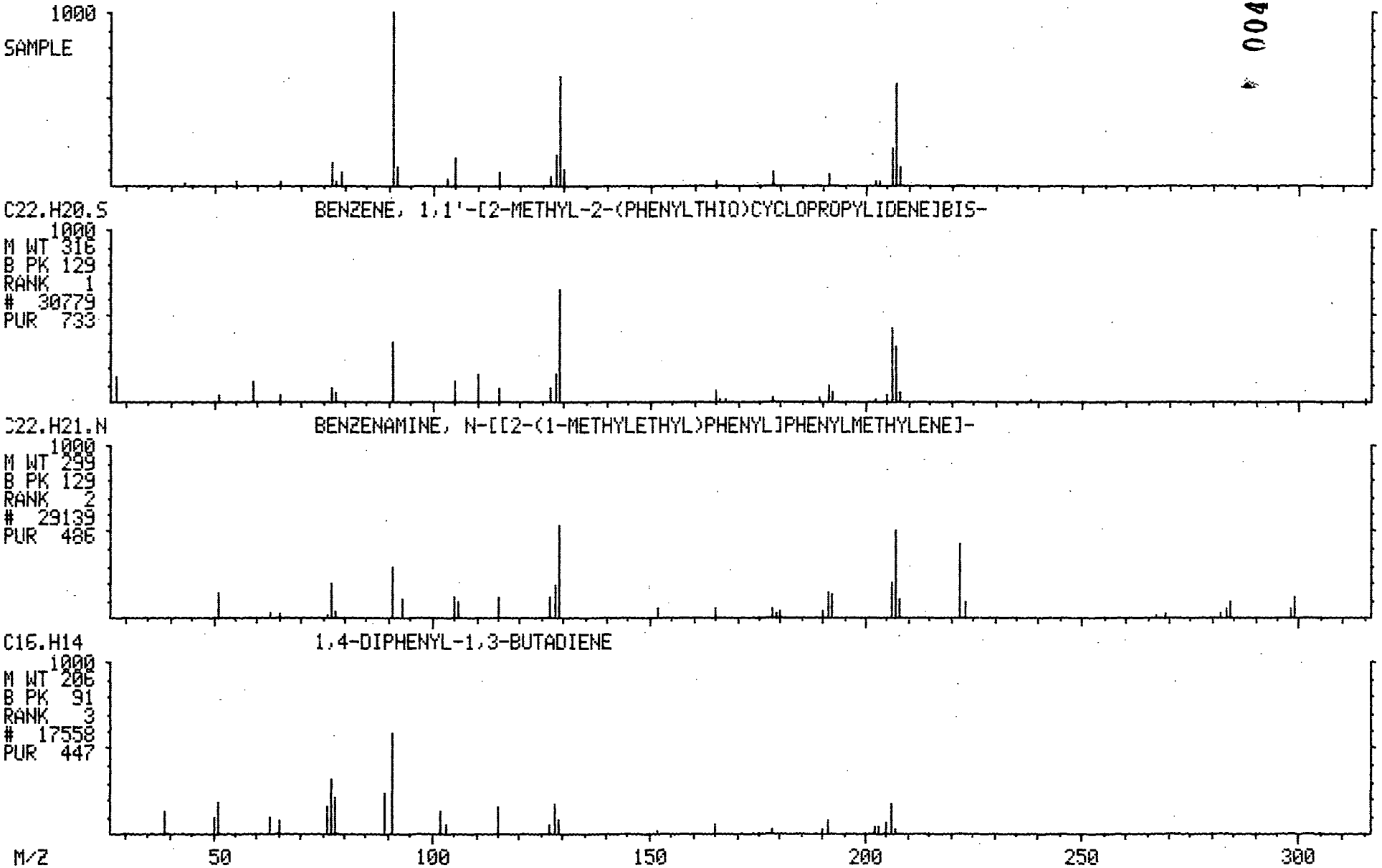
$$\left(\frac{12011}{111446}\right)\left(1465.2\right) = 157.9$$

MID LIBRARY SEARCH
06/15/91 21:24:00 + 30:22
SAMPLE: S2 91-13586
CONDS.: MS-B CASE: EOH0022
ENHANCED (S 15B 2N 0T)

DATA: AD30513586 #1889
CALI: AD30513586 # 2

BASE M/Z: 91
RIC: 4567.

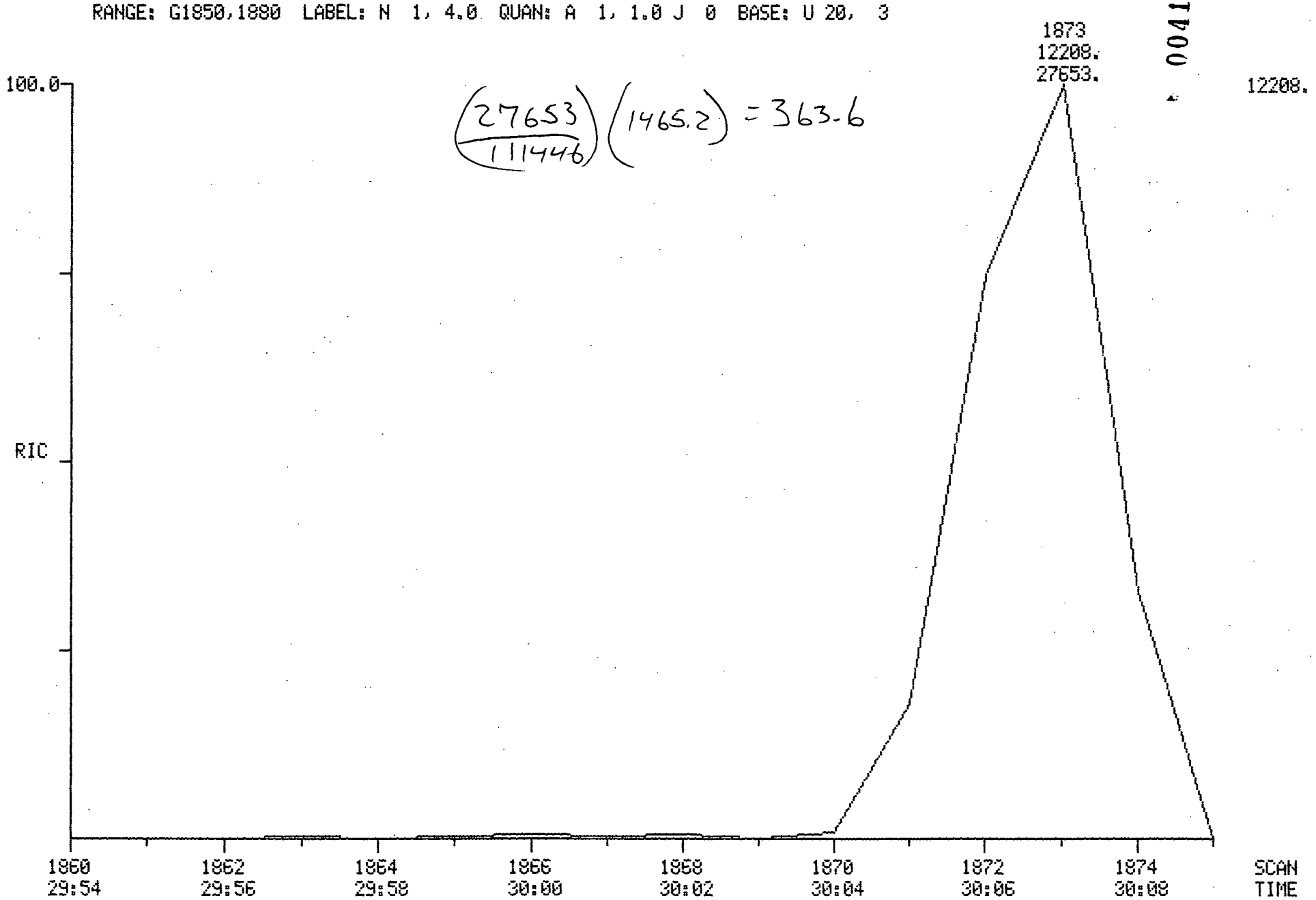
00416



MIDRIC
06/15/91 21:24:00
SAMPLE: S2 91-13586
CONDS.: MS-B CASE: EOH0022
RANGE: G1850,1880 LABEL: N 1, 4.0 QUAN: A 1, 1.0 J 0 BASE: U 20, 3

DATA: AD30513586 #410 SCANS 1860 TO 1875
CALI: AD30513586 #2

00417



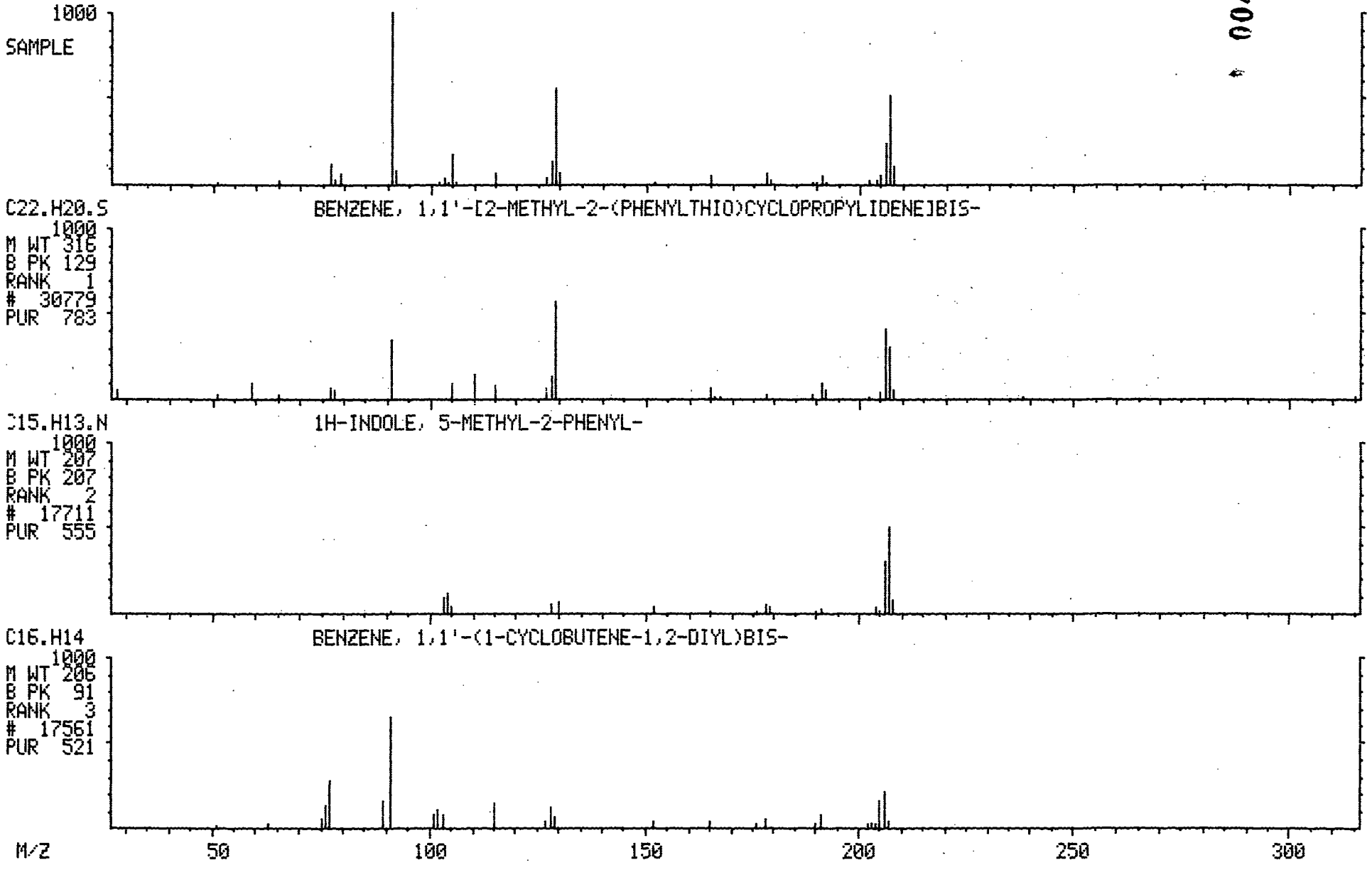
$\left(\frac{27653}{111446}\right)(1465.2) = 363.6$

MID LIBRARY SEARCH
06/15/91 21:24:00 + 30:07
SAMPLE: S2 91-13586
CONDS.: MS-B CASE: EOH0022
ENHANCED (S 15B 2N 0T)

DATA: AD30513586 #1873
CALI: AD30513586 # 2

BASE M/Z: 91
RIC: 10383.

00418



1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S3

Lab Name: DATACHEM LABS Contract: 19005

Lab Code: DATAC Case No.: E0H00022 SAS No.: _____ SDG No.: 13585

Matrix: (soil/water) SOIL Lab Sample ID: 91-13587

Sample wt/vol: 30 (g/mL) G Lab File ID: AD22513587

Level: (low/med) LOW Date Received: 06/07/91

% Moisture: not dec. _____ dec. 14. Date Extracted: 06/14/91

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 06/15/91

GPC Cleanup: (Y/N) N pH: 6.0 Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	380.	u
111-44-4	bis(2-Chloroethyl)ether	380.	u
95-57-8	2-Chlorophenol	380.	u
541-73-1	1,3-Dichlorobenzene	380.	u
106-46-7	1,4-Dichlorobenzene	380.	u
100-51-6	Benzyl alcohol	380.	u
95-50-1	1,2-Dichlorobenzene	380.	u
95-48-7	2-Methylphenol	380.	u
108-60-1	bis(2-Chloroisopropyl)ether	380.	u
106-44-5	4-Methylphenol	380.	u
621-64-7	N-Nitroso-di-n-propylamine	380.	u
67-72-1	Hexachloroethane	380.	u
98-95-3	Nitrobenzene	380.	u
78-59-1	Isophorone	380.	u
88-75-5	2-Nitrophenol	380.	u
105-67-9	2,4-Dimethylphenol	380.	u
65-85-0	Benzoic acid	1900.	u
111-91-1	bis(2-Chloroethoxy)methane	380.	u
120-83-2	2,4-Dichlorophenol	380.	u
120-82-1	1,2,4-Trichlorobenzene	380.	u
91-20-3	Naphthalene	380.	u
106-47-8	4-Chloroaniline	380.	u
87-68-3	Hexachlorobutadiene	380.	u
59-50-7	4-Chloro-3-methylphenol	380.	u
91-57-6	2-Methylnaphthalene	380.	u
77-47-4	Hexachlorocyclopentadiene	380.	u
88-06-2	2,4,6-Trichlorophenol	380.	u
95-95-4	2,4,5-Trichlorophenol	1900.	u
91-58-7	2-Chloronaphthalene	380.	u
88-74-4	2-Nitroaniline	1900.	u
131-11-3	Dimethylphthalate	380.	u
208-96-8	Acenaphthylene	380.	u
606-20-2	2,6-Dinitrotoluene	380.	

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S3

Lab Name: DATACHEM LABS Contract: 19005

Lab Code: DATAC Case No.: 91-5022 SAS No.: _____ SDG No.: 13585

Matrix: (soil/water) SOIL Lab Sample ID: 91-13587

Sample wt/vol: 30 (g/ml) G Lab File ID: AD22513587

Level: (low/med) LOW Date Received: 06/07/91

% Moisture: not dec. _____ dec. 14. Date Extracted: 06/14/91

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 06/15/91

GPC Cleanup: (Y/N) N pH: 6.0 Dilution Factor: 1.0

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

CAS NO.	COMPOUND		Q
99-09-2	3-Nitroaniline	1900.	U
83-32-9	Acenaphthene	380.	U
51-28-5	2,4-Dinitrophenol	1900.	U
100-02-7	4-Nitrophenol	1900.	U
132-64-9	Dibenzofuran	380.	U
121-14-2	2,4-Dinitrotoluene	380.	U
84-66-2	Diethylphthalate	380.	U
7005-72-3	4-Chlorophenyl-phenylether	380.	U
86-73-7	Fluorene	380.	U
100-01-6	4-Nitroaniline	1900.	U
534-52-1	4,6-Dinitro-2-methylphenol	1900.	U
86-30-6	N-Nitrosodiphenylamine (1)	380.	U
101-55-3	4-Bromophenyl-phenylether	380.	U
118-74-1	Hexachlorobenzene	380.	U
87-86-5	Pentachlorophenol	1900.	U
85-01-8	Phenanthrene	190.	J
120-12-7	Anthracene	380.	U
84-74-2	Di-n-butylphthalate	380.	U
206-44-0	Fluoranthene	310.	J
129-00-0	Pyrene	380.	U
85-68-7	Butylbenzylphthalate	380.	U
91-94-1	3,3'-Dichlorobenzidine	770.	U
56-55-3	Benzo(a)anthracene	140.	J
218-01-9	Chrysene	180.	J
117-81-7	bis(2-Ethylhexyl)phthalate	210.	JB
117-84-0	Di-n-octylphthalate	380.	U
205-99-2	Benzo(b)fluoranthene	380.	U
207-08-9	Benzo(k)fluoranthene	380.	U
50-32-8	Benzo(a)pyrene	380.	U
193-39-5	Indeno(1,2,3-cd)pyrene	380.	U
53-70-3	Dibenz(a,h)anthracene	380.	U
191-24-2	Benzo(g,h,i)perylene	380.	U

← NO QUALIFIER

(1) - Cannot be separated from Diphenylamine

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

S3

Lab Name: DATACHEM LABS Contract: 19005

Lab Code: DATAC Case No.: E040022 SAS No.: _____ SDG No.: 13585

Matrix: (soil/water) SOIL Lab Sample ID: 91-13587

Sample wt/vol: 30 (g/mL) G Lab File ID: AD22513587

Level: (low/med) LOW Date Received: 06/07/91

% Moisture: not dec. _____ dec. 14. Date Extracted: 06/14/91

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 06/15/91

GPC Cleanup: (Y/N) N pH: 6.0 Dilution Factor: 1.0

Number TICs found: 8

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	ALDOL CONDENSATION PRODUCT	6:42	6500	AJB
2.	ALDOL CONDENSATION PRODUCT	7:03	450	AJB
3.	ALDOL CONDENSATION PRODUCT	7:29	57,000	AJB
4.	ALDOL CONDENSATION PRODUCT	8:58	1100.	AJB
5.	ALDOL CONDENSATION PRODUCT	9:19	710.	AJ
6.	ALDOL CONDENSATION PRODUCT	9:35	220.	AJ
7.	ALDOL CONDENSATION PRODUCT	11:45	700.	AJ
8.	UNKNOWN PNA	29:42	4300.	AJ
9.				
10.				
11.				
12.				
13.				
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16.				
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18.				
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20.				
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22.				
23.				
24.				
25.				
26.				
27.				
28.				
29.				
30.				

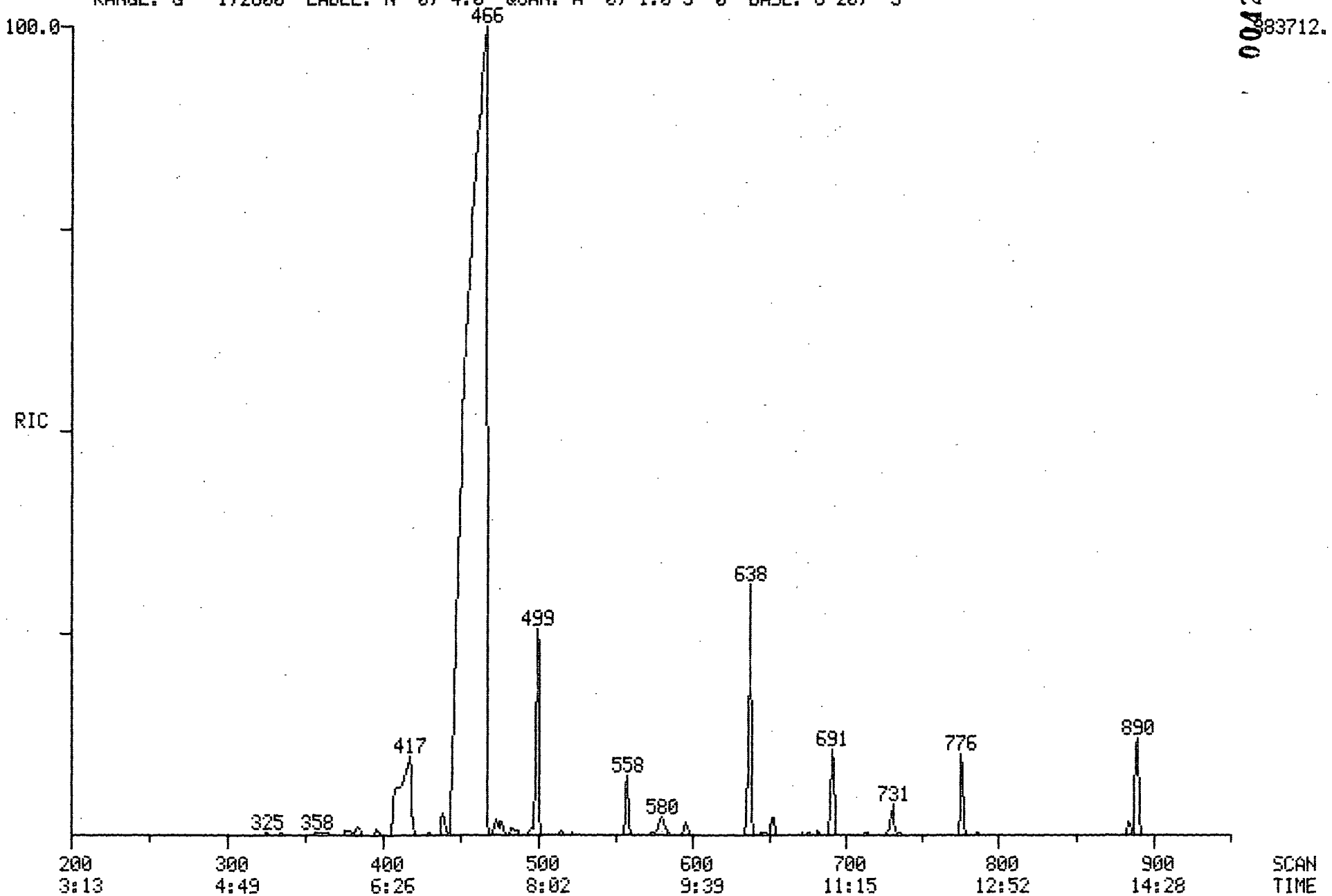
MIDRIC
06/15/91 1:01:00
SAMPLE: S3 91-13587
CONDS.: MS-B CASE: EOH0022
RANGE: G 1,2800 LABEL: N 0, 4.0 QUAN: A 0, 1.0 J 0 BASE: U 20, 3

DATA: AD22513587 #1
CALI: AD22513587 #2

SCANS 200 TO 950

T.J. Masoian
6-17-91

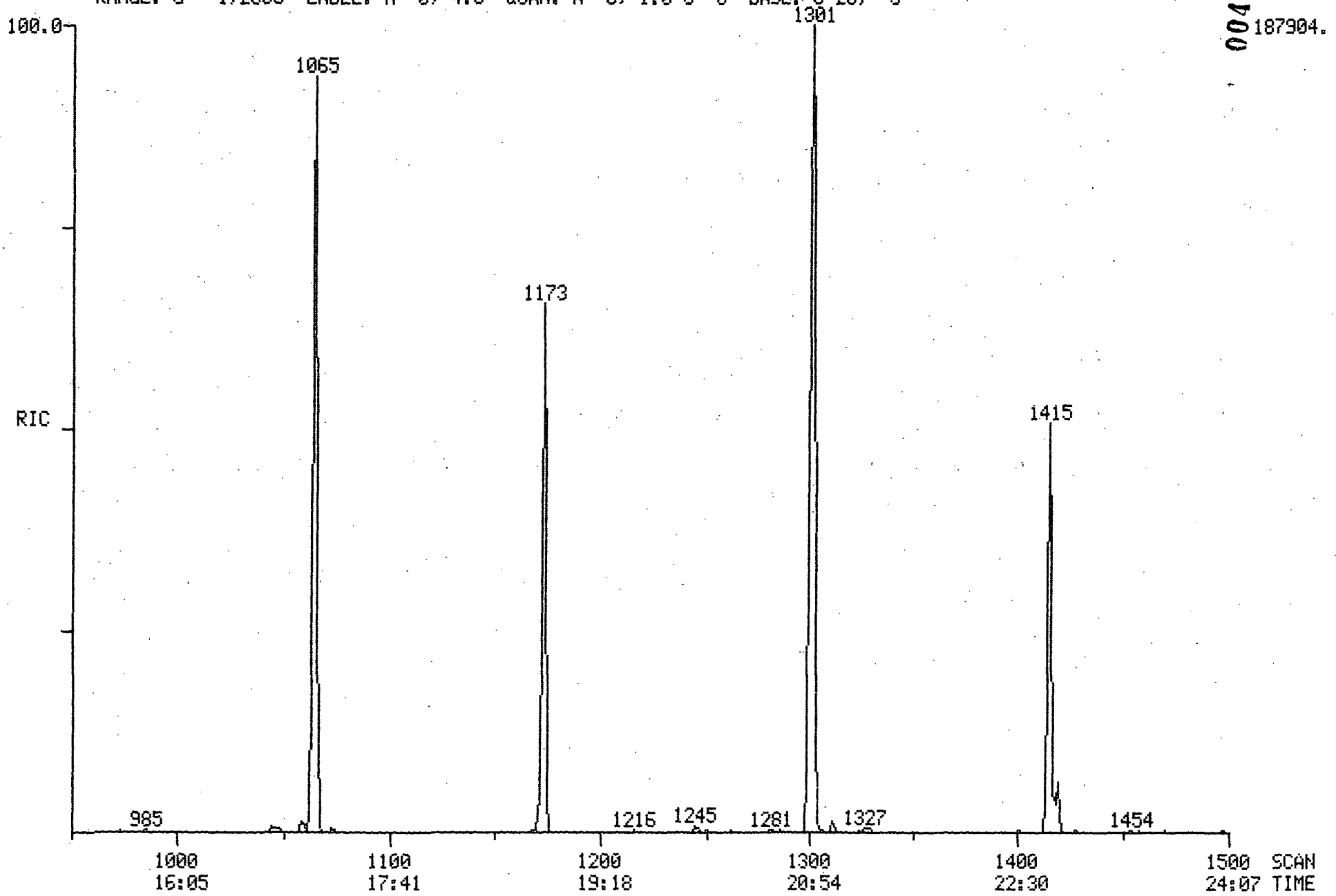
00422



MIDRIC
06/15/91 1:01:00
SAMPLE: S3 91-13587
CONDS.: MS-B CASE: EOH0022
RANGE: G 1.2800 LABEL: N 0, 4.0 QUAN: A 0, 1.0 J 0 BASE: U 20, 3

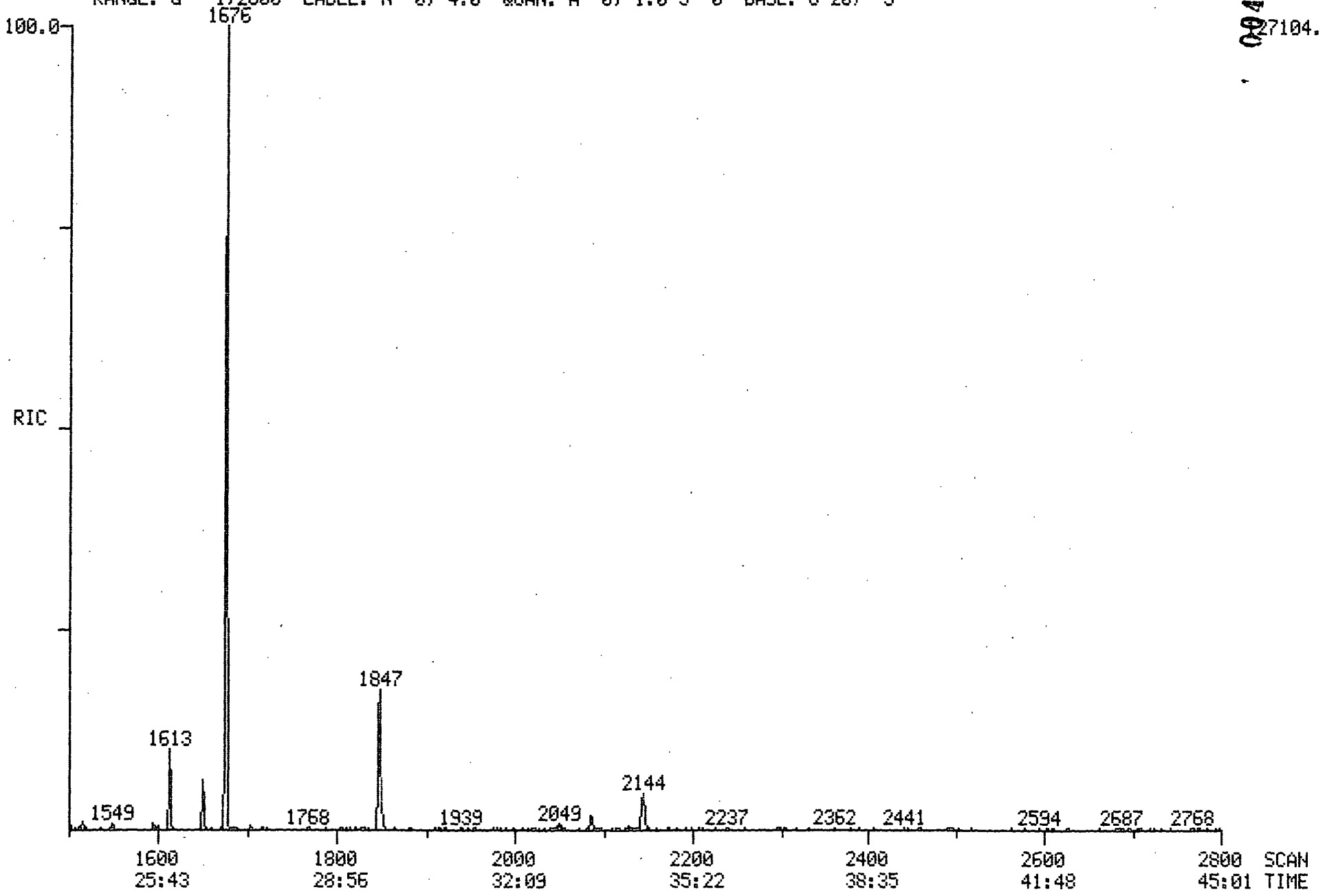
DATA: AD22S13587 #1 SCANS 950 TO 1500
CALI: AD22S13587 #2

00423



MIDRIC
06/15/91 1:01:00
SAMPLE: S3 91-13587
CONDS.: MS-B CASE: EOH0022
RANGE: G 1,2800 LABEL: N 0, 4.0 QUAN: A 0, 1.0 J 0 BASE: U 20, 3

DATA: AD22S13587 #1 SCANS 1500 TO 2800
CALI: AD22S13587 #2

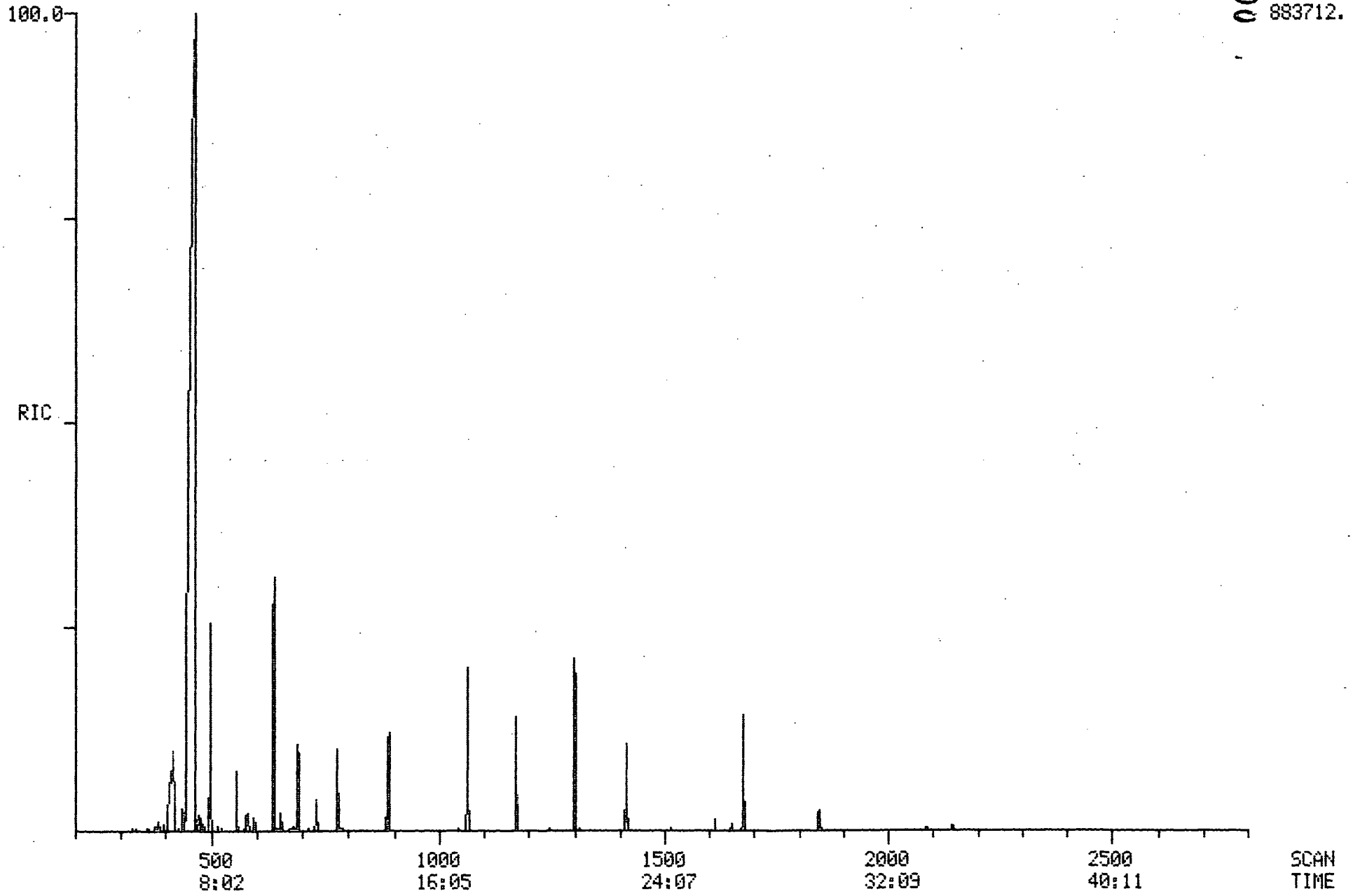


00424

MIDRIC
06/15/91 1:01:00
SAMPLE: S3 91-13587
CONDS.: MS-B CASE: EOH0022
RANGE: G 1,2800 LABEL: N 0, 4.0 QUAN: A 0, 1.0 J 0 BASE: U 20, 3

DATA: AD22S13587 #1 SCANS 200 TO 2800
CALI: AD22S13587 #2

00425



PROCEDURE: TCA DIAGNOSTIC REPORT 6/16/91 19:09:02
DATA FILE: AD22S13587
REFERENCE: 82711
NAME LIST: 8270 INITIALIZATION OPTION: 4 PROCESSING OPTION: 3
REPORT: DSISTD

< ---- STANDARDS ----- ><				--- PLUS UNKNOWNS --- ><				- LIST NAMES - >
PROC	USED	POSS	RMS	PROC	USED	POSS	RMS	STANDARD/UNKNOWN
6	5	1	48	12	12	1	106	DSISTD/DSSURR
6	6	1	42	21	6	1	42	DSISTD/82701
6	6	1	42	21	6	1	42	DSISTD/82702
6	6	1	42	21	6	1	42	DSISTD/82703
6	6	1	42	21	6	1	42	DSISTD/82704
6	6	1	42	21	10	1	297	DSISTD/82705
6	6	1	42	21	7	1	37	DSISTD/82706

102 COMPOUNDS PROCESSED, 16 FOUND

< COMPOUND ><			---------- SEARCH ---------- >< SAT >< ------ CHRO -------										
NO	LIB	ENTRY	REF	PRED	SEL	DELTA	PEAKS	FIT	PEAKS	M/Z	TOP	DELTA	PEAKS
1	DS	1	-683	691	691	.	1	979	.	152	691	.	1
2	DS	2	-882	890	889	-1	1	909	.	136	889	.	1
3	DS	3	-1165	1173	1173	.	1	951	.	164	1173	.	1
4	DS	4	-1407	1415	1415	.	1	993	.	188	1415	.	1
5	DS	5	-1839	1847	.	.	.	.	.	240	1846	.	1
6	DS	6	-2136	2144	2144	.	1	926	.	264	2144	.	1
7	DS	7	-488	496	499	3	1	987	.	112	499	.	1
8	DS	8	-630	638	638	.	1	946	.	99	638	.	1
9	DS	9	-769	777	776	-1	1	973	.	82	776	.	1
10	DS	10	-1057	1065	1065	.	1	987	.	172	1065	.	1
11	DS	11	-1294	1302	1301	-1	1	944	.	330	1301	.	1
12	DS	12	-1668	1676	1676	.	1	974	.	244	1676	.	1
13	DS	13	-263	271	.	.	.	.	.	42	.	.	.
14	DS	14	-393	401	.	.	.	.	.	93	.	.	.
15	DS	15	-462	470	.	.	.	.	.	80	.	.	.
16	DS	16	-569	577	.	.	.	.	.	79	.	.	.
17	DS	17	-632	640	.	.	.	.	.	94	.	.	.
18	DS	18	-634	642	.	.	.	.	.	93	.	.	.
19	DS	19	-646	654	.	.	.	.	.	93	.	.	.
20	DS	20	-651	659	.	.	.	.	.	128	.	.	.
21	DS	21	-674	682	.	.	.	.	.	146	.	.	.
22	DS	22	-686	694	.	.	.	.	.	146	.	.	.
23	DS	23	-706	714	.	.	.	.	.	108	.	.	.
24	DS	24	-708	716	.	.	.	.	.	146	.	.	.
25	DS	25	-723	731	.	.	.	.	.	108	.	.	.
26	DS	26	-727	735	.	.	.	.	.	45	.	.	.
27	DS	27	-723	731	.	.	.	.	.	108	.	.	.
28	DS	28	-749	757	.	.	.	.	.	70	.	.	.
29	DS	29	-761	769	.	.	.	.	.	117	.	.	.
30	DS	30	-747	755	.	.	.	.	.	105	.	.	.
31	DS	31	-773	781	.	.	.	.	.	77	.	.	.
32	DS	32	-797	805	.	.	.	.	.	42	.	.	.
33	DS	33	-811	819	.	.	.	.	.	82	.	.	.
34	DS	34	-822	830	.	.	.	.	.	139	.	.	.
35	DS	35	-830	838	.	.	.	.	.	122	.	.	.
36	DS	36	-846	854	.	.	.	.	.	93	.	.	.
37	DS	39	-860	868	.	.	.	.	.	162	.	.	.
38	DS	40	-873	881	.	.	.	.	.	180	.	.	.
39	DS	41	-885	893	.	.	.	.	.	128	.	.	.
40	DS	42	-895	903	.	.	.	.	.	127	.	.	.
41	DS	43	-896	904	.	.	.	.	.	162	.	.	.
42	DS	44	-906	914	.	.	.	.	.	225	.	.	.
43	DS	45	-951	959						84			

00426

44	DS	46	-973	981	.	.	.	.	.	107	.	.	.
45	DS	47	-997	1005	.	.	.	.	.	142	.	.	.
46	DS	48	-1024	1032	.	.	.	.	.	216	.	.	.
47	DS	49	-1022	1030	.	.	.	.	.	237	.	.	.
48	DS	50	-1042	1050	.	.	.	.	.	196	.	.	.
49	DS	51	-1048	1056	.	.	.	.	.	196	.	.	.
50	DS	52	-1076	1084	.	.	.	.	.	162	.	.	.
51	DS	53	-1076	1084	.	.	.	.	.	162	.	.	.
52	DS	54	-1093	1101	.	.	.	.	.	65	.	.	.
53	DS	55	-1124	1132	.	.	.	.	.	163	.	.	.
54	DS	56	-1133	1141	.	.	.	.	.	165	.	.	.
55	DS	57	-1142	1150	.	.	.	.	.	152	.	.	.
56	DS	58	-1160	1168	.	.	.	.	.	138	.	.	.
57	DS	59	-1171	1179	.	.	.	.	.	154	.	.	.
58	DS	60	-1177	1185	.	.	.	.	.	184	.	.	.
59	DS	61	-1187	1195	.	.	.	.	.	139	.	.	.
60	DS	62	-1199	1207	.	.	.	.	.	168	1207	.	1
61	DS	63	-1199	1207	.	.	.	.	.	165	.	.	.
62	DS	64	-1192	1200	.	.	.	.	.	250	.	.	.
63	DS	65	-1212	1220	.	.	.	.	.	143	.	.	.
64	DS	66	-1219	1227	.	.	.	.	.	232	.	.	.
65	DS	67	-1225	1233	.	.	.	.	.	143	.	.	.
66	DS	68	-1239	1247	.	.	.	.	.	149	1245	.	1
67	DS	69	-1256	1264	.	.	.	.	.	204	.	.	.
68	DS	70	-1255	1263	.	.	.	.	.	166	1262	.	1
69	DS	71	-1259	1267	.	.	.	.	.	138	.	.	.
70	DS	72	-1264	1272	.	.	.	.	.	198	.	.	.
71	DS	73	-1276	1284	.	.	.	.	.	169	.	.	.
72	DS	74	-1282	1290	.	.	.	.	.	77	.	.	.
73	DS	75	-1335	1342	.	.	.	.	.	248	.	.	.
74	DS	76	-1327	1334	.	.	.	.	.	108	.	.	.
75	DS	78	-1344	1351	.	.	.	.	.	284	.	.	.
76	DS	79	-1378	1385	.	.	.	.	.	169	.	.	.
77	DS	81	-1376	1383	.	.	.	.	.	266	.	.	.
78	DS	83	-1388	1395	.	.	.	.	.	173	.	.	.
79	DS	84	-1379	1386	.	.	.	.	.	295	.	.	.
80	DS	85	-1412	1419	1419	.	1	984	.	178	1419	.	1
81	DS	86	-1420	1427	1419	-8	1	909	.	178	1419	.	1
82	DS	89	-1504	1511	.	.	.	.	.	149	1512	.	1
83	DS	92	-1605	1612	1613	1	1	969	.	202	1613	.	1
84	DS	93	-1642	1649	1650	1	1	944	.	202	1650	.	1
85	DS	96	-1627	1634	.	.	.	.	.	184	.	.	.
86	DS	98	-1691	1698	.	.	.	.	.	120	.	.	.
87	DS	103	-1748	1755	.	.	.	.	.	149	.	.	.
88	DS	108	-1833	1841	.	.	.	.	.	252	.	.	.
89	DS	109	-1837	1845	.	.	.	.	.	228	1845	.	1
90	DS	110	-1843	1851	.	.	.	.	.	228	1851	.	1
91	DS	111	-1840	1848	1848	.	1	966	.	149	1848	.	1
92	DS	112	-1955	1963	.	.	.	.	.	149	.	.	.
93	DS	113	-2041	2049	.	.	.	.	.	256	.	.	.
94	DS	114	-2042	2050	.	.	.	.	.	252	2049	.	1
95	DS	115	-2049	2057	.	.	.	.	.	252	.	.	.
96	DS	116	-2122	2130	.	.	.	.	.	252	2129	.	1
97	DS	117	-2221	2229	.	.	.	.	.	268	.	.	.
98	DS	118	-2499	2507	.	.	.	.	.	276	.	.	.
99	DS	119	-2500	2508	.	.	.	.	.	278	.	.	.
100	DS	120	-2598	2606	.	.	.	.	.	276	.	.	.
101	DS	128	-2421	2429	.	.	.	.	.	279	.	.	.
102	DS	37	-847	855	.	.	.	.	.	122	.	.	.

Quantitation Report File: AD22S13587

Data: AD22S13587.TI
06/15/91 1:01:00
Sample: S3 91-13587
Conds.: MS-B CASE: EOH0022
Submitted by: Analyst: JOHNSON

AMOUNT=AREA * REF AMNT/(REF AREA * RESP FACT)
Resp. fac. from Library Entry

No	Name
1	ISTD D4-1,4-DICHLOROBENZENE
2	ISTD D-8-NAPHTHALENE
3	ISTD ACENAPHTHENE-D10
4	INTERNAL STANDARD D-10-PHENANTHRENE
5	INTERNAL STANDARD D-12-CHRYSENE
6	ISTD D-12 PERYLENE
7	SURROGATE 2-FLUOROPHENOL
8	SURROGATE D-6-PHENOL
9	SURROGATE D5-NITROBENZENE
10	SURROGATE 2-FLUOROBIPHENYL
11	SURROGATE STANDARD 2,4,6-TRIBROMOPHENOL
12	SURROGATE STANDARD P-TERPHENYL D-14
13	N-NITROSODIMETHYLAMINE
14	2-PICOLINE
15	METHYL METHANESULFONATE
16	ETHYL METHANESULFONATE
17	C315 PHENOL
18	ANILINE
19	BIS(2-CHLOROETHYL)ETHER
20	2-CHLOROPHENOL
21	1,3-DICHLOROBENZENE
22	1,4-DICHLOROBENZENE
23	BENZYL ALCOHOL
24	1,2-DICHLOROBENZENE
25	2-METHYLPHENOL
26	BIS(2-CHLOROISOPROPYL)ETHER
27	4-METHYLPHENOL
28	N-NITROSO-DI-N-PROPYLAMINE
29	HEXACHLOROETHANE
30	ACETOPHENONE
31	NITROBENZENE
32	N-NITROSOPIPERIDINE
33	ISOPHORONE
34	2-NITROPHENOL
35	2,4-DIMETHYLPHENOL
36	BIS(2-CHLOROETHOXY)METHANE
37	2,4-DICHLOROPHENOL
38	1,2,4-TRICHLOROBENZENE
39	NAPHTHALENE
40	4-CHLOROANILINE
41	2,6-DICHLOROPHENOL
42	HEXACHLOROBUTADIENE
43	N-NITROSO-DI-N-BUTYLAMINE
44	4-CHLORO-3-METHYLPHENOL
45	2-METHYL NAPHTHALENE
46	1,2,4,5-TETRACHLOROBENZENE
47	HEXACHLOROCYCLOPENTADIENE
48	2,4,6-TRICHLOROPHENOL
49	2,4,5-TRICHLOROPHENOL
50	2-CHLORONAPHTHALENE

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount	%Tot
1	152	691	11:07	1	1.000	A BB	26093.	40.000 UG	2.99
2	136	889	14:18	2	1.000	A BB	101369.	40.000 UG	2.99
3	164	1173	18:51	3	1.000	A BB	59915.	40.000 UG	2.99
4	188	1415	22:45	4	1.000	A BB	82839.	40.000 UG	2.99
5	240	1846	29:41	5	1.000	A BB	21560.	40.000 UG	2.99
6	264	2144	34:28	6	1.000	A BB	12892.	40.000 UG	2.99
7	112	499	8:01	1	0.722	A BB	105641.	99.038 UG	7.41
8	99	638	10:15	1	0.923	A BB	164914.	120.764 UG	9.03
9	82	776	12:29	2	0.873	A BB	65628.	38.877 UG	2.91
10	172	1065	17:07	3	0.908	A BB	118239.	65.676 UG	4.91
11	330	1301	20:55	3	1.109	A BB	45173.	202.584 UG	15.16
12	244	1676	26:57	5	0.908	A BB	100034.	113.052 UG	8.46
13	NOT FOUND								
14	NOT FOUND								
15	NOT FOUND								
16	NOT FOUND								
17	NOT FOUND								
18	NOT FOUND								
19	NOT FOUND								
20	NOT FOUND								
21	NOT FOUND								
22	NOT FOUND								
23	NOT FOUND								
24	NOT FOUND								
25	NOT FOUND								
26	NOT FOUND								
27	NOT FOUND								
28	NOT FOUND								
29	NOT FOUND								
30	NOT FOUND								
31	NOT FOUND								
32	NOT FOUND								
33	NOT FOUND								
34	NOT FOUND								
35	NOT FOUND								
36	NOT FOUND								
37	NOT FOUND								
38	NOT FOUND								
39	NOT FOUND								
40	NOT FOUND								
41	NOT FOUND								
42	NOT FOUND								
43	NOT FOUND								
44	NOT FOUND								
45	NOT FOUND								
46	NOT FOUND								
47	NOT FOUND								
48	NOT FOUND								
49	NOT FOUND								
50	NOT FOUND								

No	Ret(L)	Ratio	RRT(L)	Ratio	Amnt	Amnt(L)	R.Fac	R.Fac(L)	Ratio
1	10:59	1.01	1.000	1.00	40.00	40.00	1.000	1.000	1.00
2	14:11	1.01	1.000	1.00	40.00	40.00	1.000	1.000	1.00
3	18:44	1.01	1.000	1.00	40.00	40.00	1.000	1.000	1.00
4	22:37	1.01	1.000	1.00	40.00	40.00	1.000	1.000	1.00
5	29:34	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
6	34:20	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
7	7:51	1.02	0.714	1.01	99.04	50.00	3.239	1.635	1.98
8	10:08	1.01	0.922	1.00	120.76	50.00	5.056	2.093	2.42
9	12:22	1.01	0.872	1.00	38.88	50.00	0.518	0.666	0.78
10	17:00	1.01	0.907	1.00	65.68	50.00	1.579	1.202	1.31
11	20:48	1.01	1.111	1.00	202.58	50.00	0.603	0.149	4.05
12	26:49	1.00	0.907	1.00	113.05	50.00	3.712	1.642	2.26
13	4:14		0.385						

14	6:19	0.575
15	7:26	0.676
16	9:09	0.833
17	10:10	0.925
18	10:12	0.928
19	10:23	0.946
20	10:28	0.953
21	10:50	0.987
22	11:02	1.004
23	11:21	1.034
24	11:23	1.037
25	11:37	1.059
26	11:41	1.064
27	11:37	1.059
28	12:02	1.097
29	12:14	1.114
30	12:01	0.847
31	12:26	0.876
32	12:49	0.904
33	13:02	0.920
34	13:13	0.932
35	13:21	0.941
36	13:36	0.959
37	13:50	0.975
38	14:02	0.990
39	14:14	1.003
40	14:23	1.015
41	14:24	1.016
42	14:34	1.027
43	15:17	1.078
44	15:39	1.103
45	16:02	1.130
46	16:28	0.879
47	16:26	0.877
48	16:45	0.894
49	16:51	0.900
50	17:18	0.924

Quantitation Report File: AD22S13587

Data: AD22S13587.TI
06/15/91 1:01:00
Sample: S3 91-13587
Conds.: MS-B CASE: EQH0022
Submitted by: Analyst: JOHNSON

AMOUNT=AREA * REF AMNT/(REF AREA * RESP FACT)
Resp. fac. from Library Entry

No	Name
51	1-CHLORONAPHTHALENE
52	2-NITROANILINE
53	DIMETHYL PHTHALATE
54	2,6-DINITROTOLUENE
55	ACENAPHTHYLENE
56	3-NITROANILINE
57	ACENAPHTHENE
58	2,4-DINITROPHENOL
59	4-NITROPHENOL
60	DIBENZOFURAN
61	2,4-DINITROTOLUENE
62	PENTACHLOROBENZENE
63	1-NAPHTHYLAMINE
64	2,3,4,6-TETRACHLOROPHENOL
65	2-NAPHTHYLAMINE
66	DIETHYL PHTHALATE
67	4-CHLOROPHENYL PHENYL ETHER
68	FLUORENE
69	4-NITROANILINE
70	4,6-DINITRO-2-METHYLPHENOL
71	N-NITROSODIPHENYLAMINE
72	1,2-DIPHENYLHYDRAZINE
73	4-BROMOPHENYL PHENYL ETHER
74	PHENACETIN
75	HEXACHLOROBENZENE
76	4-AMINOBIPHENYL
77	PENTACHLOROPHENOL
78	PRONAMIDE (PROPYZAMIDE)
79	PENTACHLORONITROBENZENE
80	PHENANTHRENE
81	ANTHRACENE
82	DI-N-BUTYL PHTHALATE
83	FLUORANTHENE
84	PYRENE
85	BENZIDINE
86	P-DIMETHYLAMINOAZOBENZENE
87	BUTYL BENZYL PHTHALATE
88	3,3'-DICHLOROBENZIDINE
89	BENZO(A)ANTHRACENE
90	CHRYSENE
91	BIS(2-ETHYLHEXYL)PHTHALATE
92	DI-N-OCTYL PHTHALATE
93	7,12-DIMETHYLBENZ(A)ANTHRACENE
94	BENZO(B)FLUORANTHENE
95	BENZO(K)FLUORANTHENE
96	BENZO(A)PYRENE
97	3-METHYLCHOLANTHRENE
98	INDENO (1,2,3-CD)PYRENE
99	DIBENZ(A,H)ANTHRACENE
100	BENZO (G,H,I)PERYLENE

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount	%Tot
51	NOT FOUND								
52	NOT FOUND								
53	NOT FOUND								
54	NOT FOUND								
55	NOT FOUND								
56	NOT FOUND								
57	NOT FOUND								
58	NOT FOUND								
59	NOT FOUND								
~~60~~	~~168~~	~~1207~~	~~19:24~~	~~3~~	~~1.029~~	~~A BB~~	~~206.~~	~~0.079 UG~~	~~0.01~~ ms
61	NOT FOUND								
62	NOT FOUND								
63	NOT FOUND								
64	NOT FOUND								
65	NOT FOUND								
~~66~~	~~149~~	~~1245~~	~~20:01~~	~~3~~	~~1.061~~	~~A BB~~	~~1431.~~	~~0.641 UG~~	~~0.05~~ ms
67	NOT FOUND								
~~68~~	~~166~~	~~1262~~	~~20:17~~	~~3~~	~~1.076~~	~~A BB~~	~~303.~~	~~0.150 UG~~	~~0.01~~ ms
69	NOT FOUND								
70	NOT FOUND								
71	NOT FOUND								
72	NOT FOUND								
73	NOT FOUND								
74	NOT FOUND								
75	NOT FOUND								
76	NOT FOUND								
77	NOT FOUND								
78	NOT FOUND								
79	NOT FOUND								
80	178	1419	22:49	4	1.003	A BB	10604.	4.808 UG	0.36 ms
~~81~~	~~178~~	~~1419~~	~~22:49~~	~~4~~	~~1.003~~	~~A BB~~	~~10604.~~	~~4.774 UG~~	~~0.36~~ ms
~~82~~	~~149~~	~~1512~~	~~24:18~~	~~4~~	~~1.069~~	~~A BB~~	~~429.~~	~~0.158 UG~~	~~0.01~~ ms
83	202	1613	25:56	4	1.140	A BB	13515.	7.883 UG	0.59 ms
84	202	1650	26:32	5	0.894	A BB	9208.	9.718 UG	0.73 ms
85	NOT FOUND								
86	NOT FOUND								
87	NOT FOUND								
88	NOT FOUND								
89	228	1845	29:40	5	0.999	A BV	2182.	3.577 UG	0.27 ms
90	228	1851	29:45	5	1.003	A VB	2785.	4.518 UG	0.34 ms
91	149	1848	29:43	5	1.001	A BB	4227.	5.447 UG	0.41 ms
92	NOT FOUND								
93	NOT FOUND								
~~94~~	~~252~~	~~2049~~	~~32:56~~	~~6~~	~~0.956~~	~~A BB~~	~~3131.~~	~~7.192 UG~~	~~0.54~~ ms
95	NOT FOUND								
~~96~~	~~252~~	~~2129~~	~~34:14~~	~~6~~	~~0.993~~	~~A BB~~	~~1271.~~	~~3.474 UG~~	~~0.26~~ ms
97	NOT FOUND								
98	NOT FOUND								
99	NOT FOUND								
100	NOT FOUND								

No	Ret(L)	Ratio	RRT(L)	Ratio	Amnt	Amnt(L)	R.Fac	R.Fac(L)	Ratio
51	17:18		0.924						
52	17:34		0.938						
53	18:04		0.965						
54	18:13		0.973						
55	18:22		0.980						
56	18:39		0.996						
57	18:50		1.005						
58	18:55		1.010						
59	19:05		1.019						
60	19:17	1.01	1.029	1.00	0.08	50.00	0.003	1.741	0.00
61	19:17		1.029						
62	19:10		1.023						
63	19:29		1.040						

00432

64	19:36		1.046						
65	19:42		1.052						
66	19:55	1.00	1.064	1.00	0.64	50.00	0.019	1.491	0.01
67	20:12		1.078						
68	20:11	1.01	1.077	1.00	0.15	50.00	0.004	1.349	0.00
69	20:14		1.081						
70	20:19		0.898						
71	20:31		0.907						
72	20:37		0.911						
73	21:28		0.949						
74	21:20		0.943						
75	21:36		0.955						
76	22:09		0.979						
77	22:07		0.978						
78	22:19		0.986						
79	22:10		0.980						
80	22:42	1.00	1.004	1.00	4.81	50.00	0.102	1.065	0.10
81	22:50	1.00	1.009	0.99	4.77	50.00	0.102	1.072	0.10
82	24:11	1.01	1.069	1.00	0.16	50.00	0.004	1.313	0.00
83	25:48	1.00	1.141	1.00	7.88	50.00	0.131	0.828	0.16
84	26:24	1.00	0.893	1.00	9.72	50.00	0.342	1.758	0.19
85	26:09		0.885						
86	27:11		0.920						
87	28:06		0.951						
88	29:28		0.997						
89	29:32	1.00	0.999	1.00	3.58	50.00	0.081	1.132	0.07
90	29:38	1.00	1.002	1.00	4.52	50.00	0.103	1.144	0.09
91	29:35	1.00	1.001	1.00	5.45	50.00	0.157	1.440	0.11
92	31:26		0.915						
93	32:49		0.956						
94	32:50	1.00	0.956	1.00	7.19	50.00	0.194	1.351	0.14
95	32:56		0.959						
96	34:07	1.00	0.993	1.00	3.47	50.00	0.079	1.135	0.07
97	35:42		1.040						
98	40:11		1.170						
99	40:11		1.170						
100	41:46		1.216						

Quantitation Report File: AD22S13587

Data: AD22S13587.TI
06/15/91 1:01:00
Sample: S3 91-13587
Conds.: MS-B CASE: EOH0022
Submitted by: Analyst: JOHNSON

AMOUNT=AREA * REF AMNT/(REF AREA * RESP FACT)
Resp. fac. from Library Entry

No	Name
101	DIBENZ(A,J)ACRIDINE
102	BENZOIC ACID

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount	%Tot
101	NOT FOUND								
102	NOT FOUND								

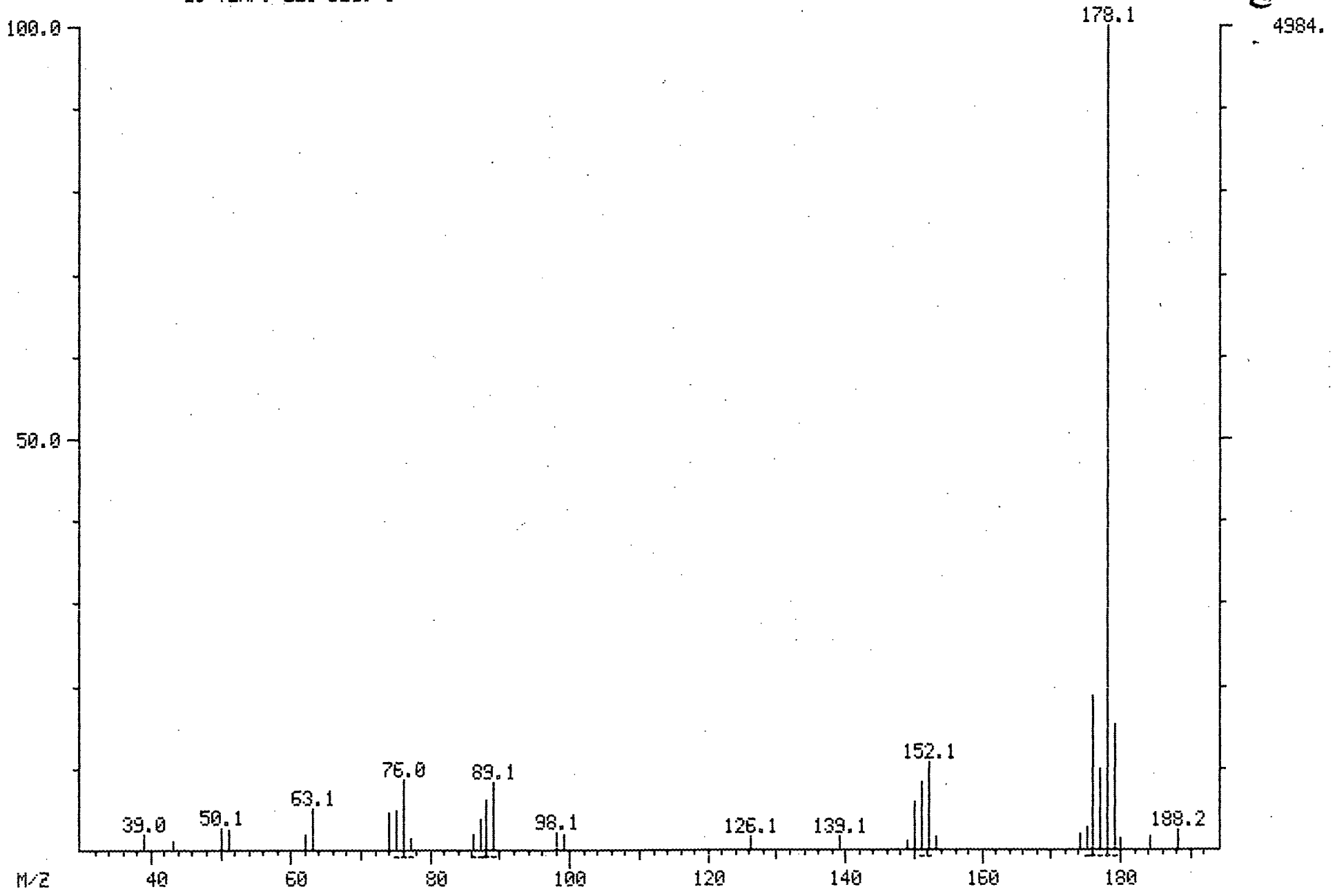
No	Ret(L)	Ratio	RRT(L)	Ratio	Amnt	Amnt(L)	R.Fac	R.Fac(L)	Ratio
101	38:55		1.133						
102	13:37		0.960						

MID MASS SPECTRUM
06/15/91 1:01:00 + 22:49
SAMPLE: S3 91-13587
CONDS.: MS-B CASE: EOH0022
GC TEMP: 228 DEG. C

DATA: AD22S13587 #1419
CALI: AD22S13587 #2

BASE M/Z: 178
RIC: 12144.

00435

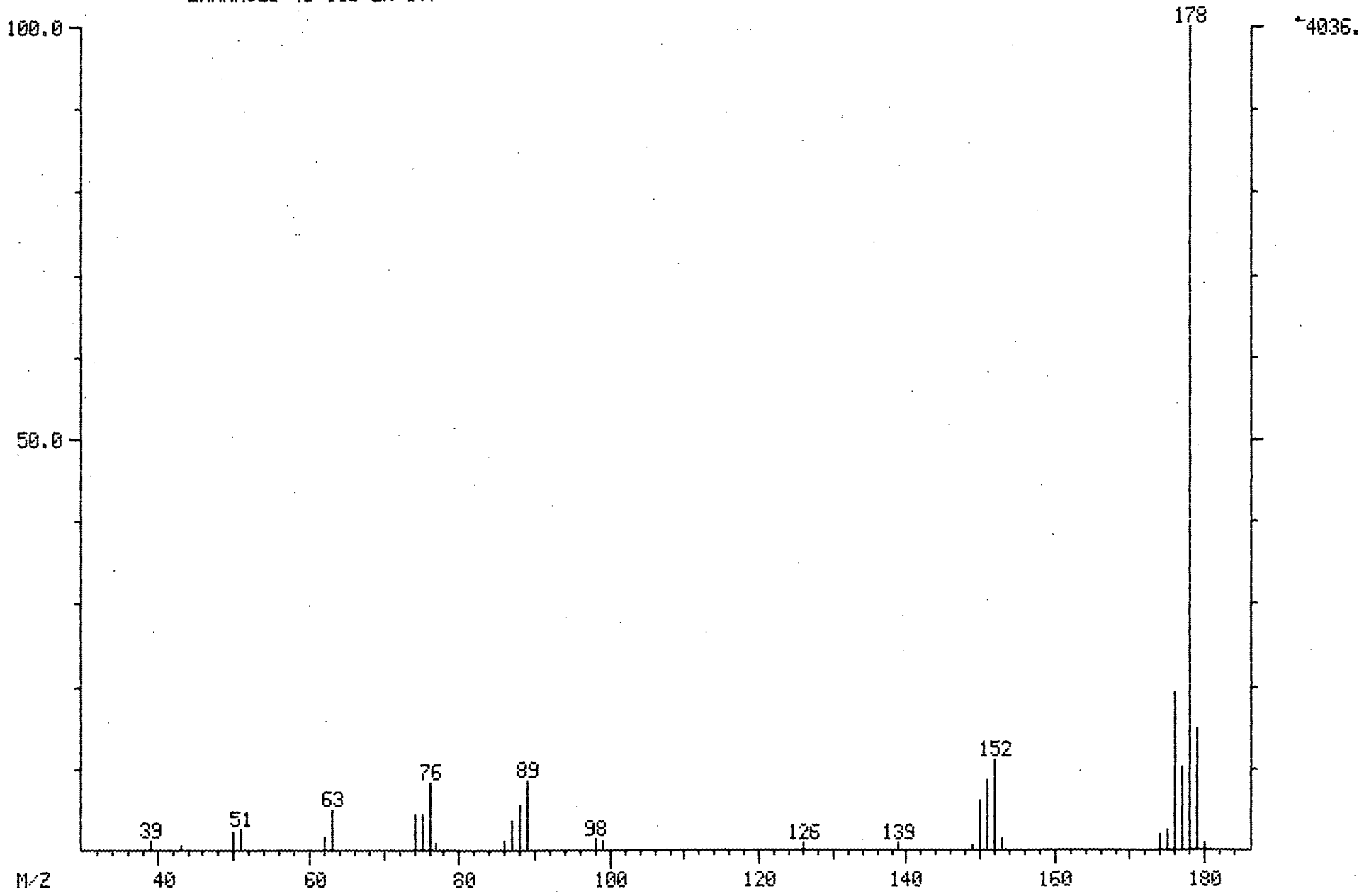


MID MASS SPECTRUM
06/15/91 1:01:00 + 22:49
SAMPLE: S3 91-13587
CONDS.: MS-B CASE: EDH0022
GC TEMP: 228 DEG. C
ENHANCED (S 15B 2N 0T)

DATA: AD22S13587 #1419
CALI: AD22S13587 #2

BASE M/Z: 178
RIC: 9360.

00436

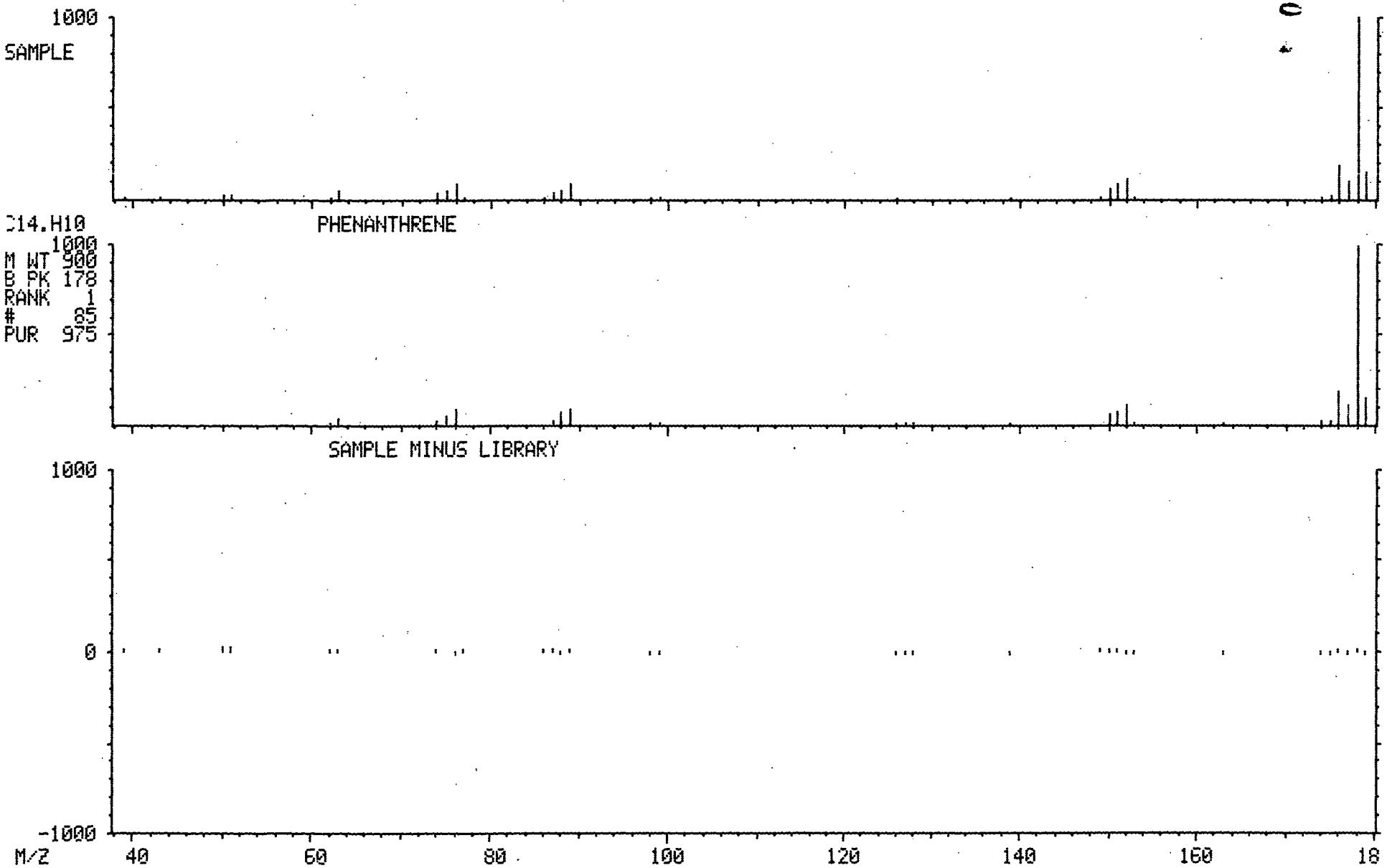


MID LIBRARY SEARCH
06/15/91 1:01:00 + 22:49
SAMPLE: S3 91-13587
CONDS.: MS-B CASE: EOH0022
ENHANCED (S 15B 2N 0T)

DATA: AD22513587 #1419
CALI: AD22513587 # 2

BASE M/Z: 178
RIC: 9327.

00437

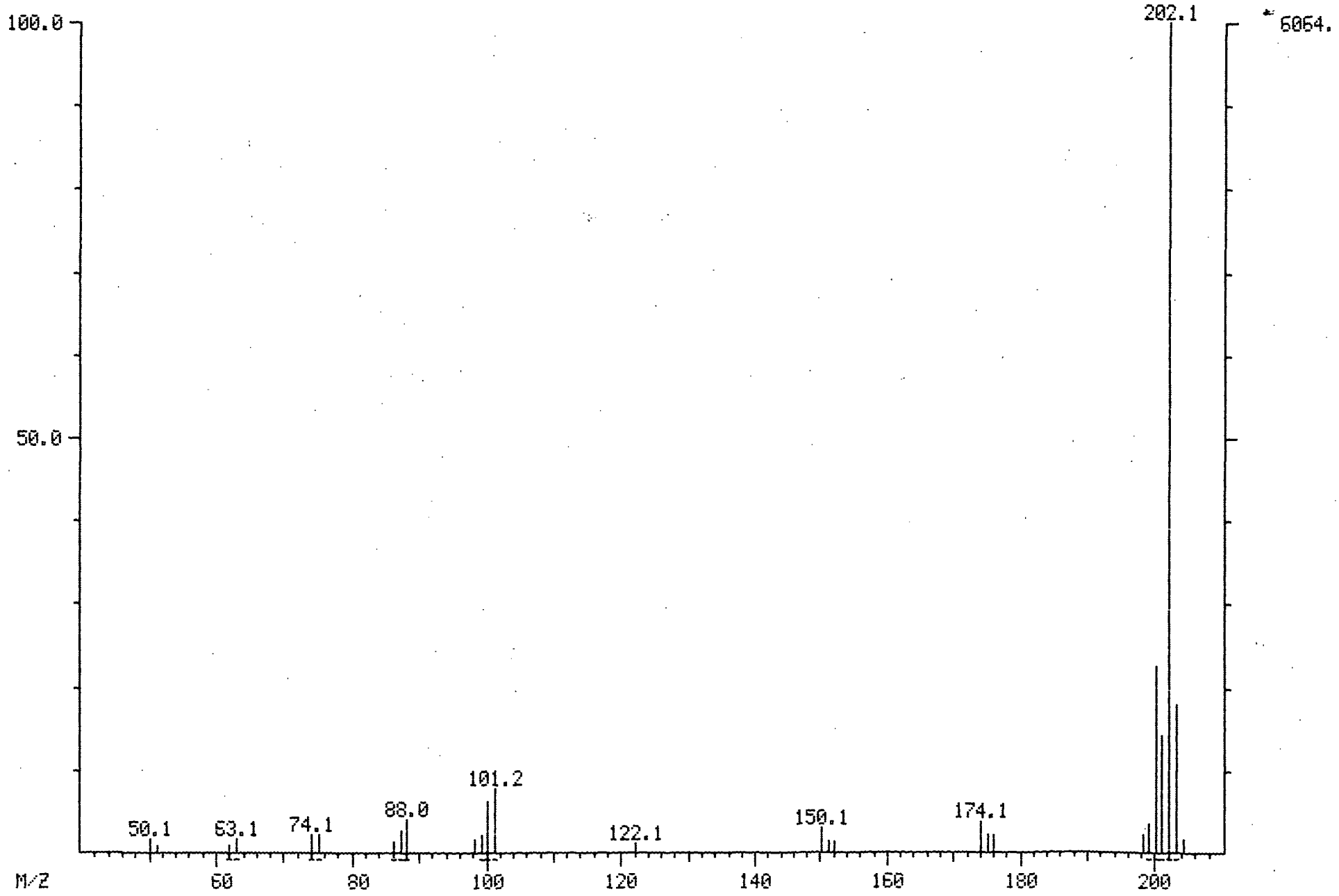


MID MASS SPECTRUM
06/15/91 1:01:00 + 25:56
SAMPLE: S3 91-13587
CONDS.: MS-B CASE: EOH0022
GC TEMP: 259 DEG. C

DATA: AD22S13587 #1613
CALI: AD22S13587 #2

BASE M/Z: 202
RIC: 12880.

00438

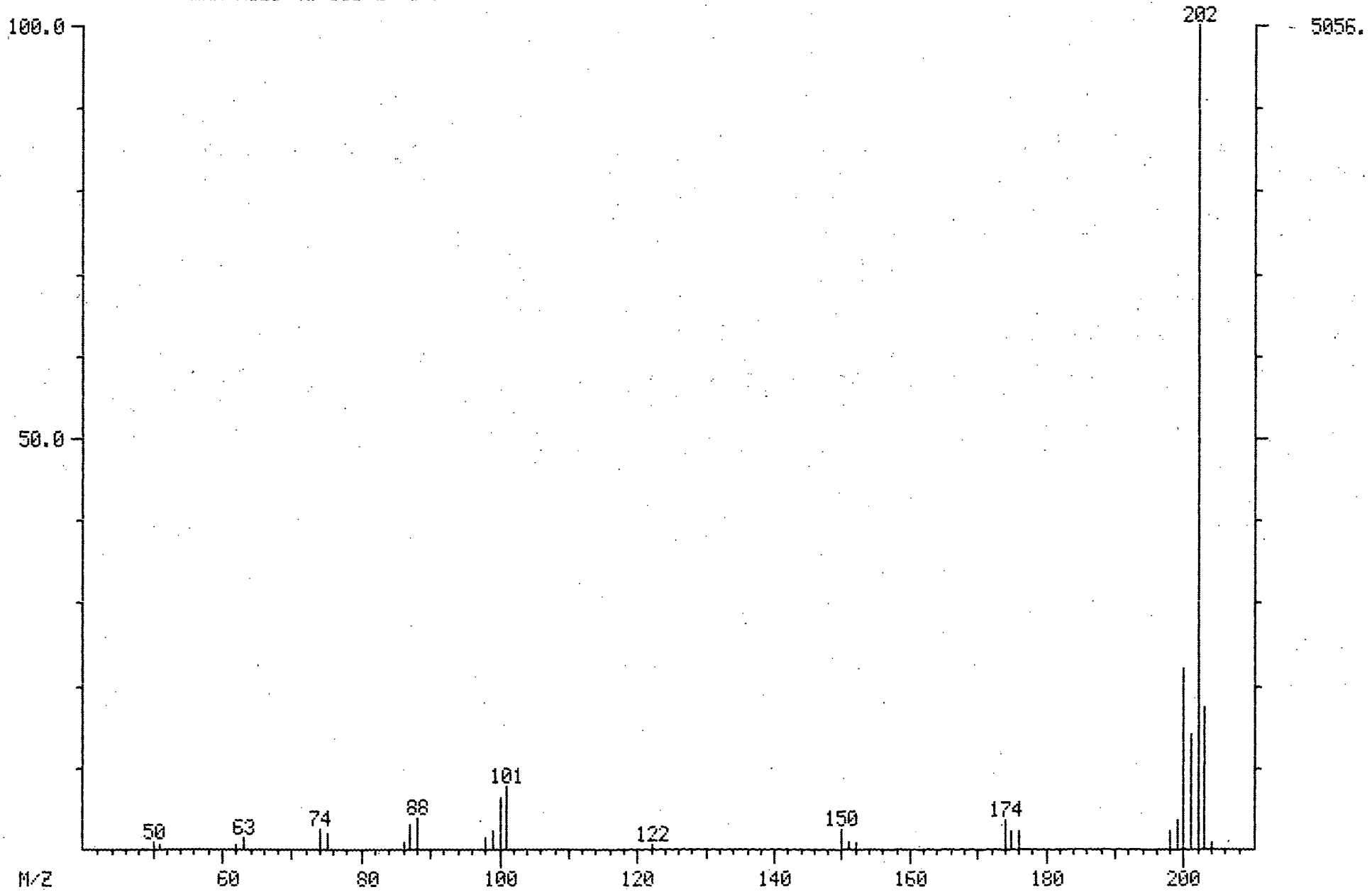


MID MASS SPECTRUM
06/15/91 1:01:00 + 25:56
SAMPLE: S3 91-13587
CONDS.: MS-B CASE: EOH0022
GC TEMP: 259 DEG. C
ENHANCED (S 15B 2N 0T)

DATA: AD22513587 #1613
CALI: AD22513587 #2

BASE M/Z: 202
RIC: 10432.

00439

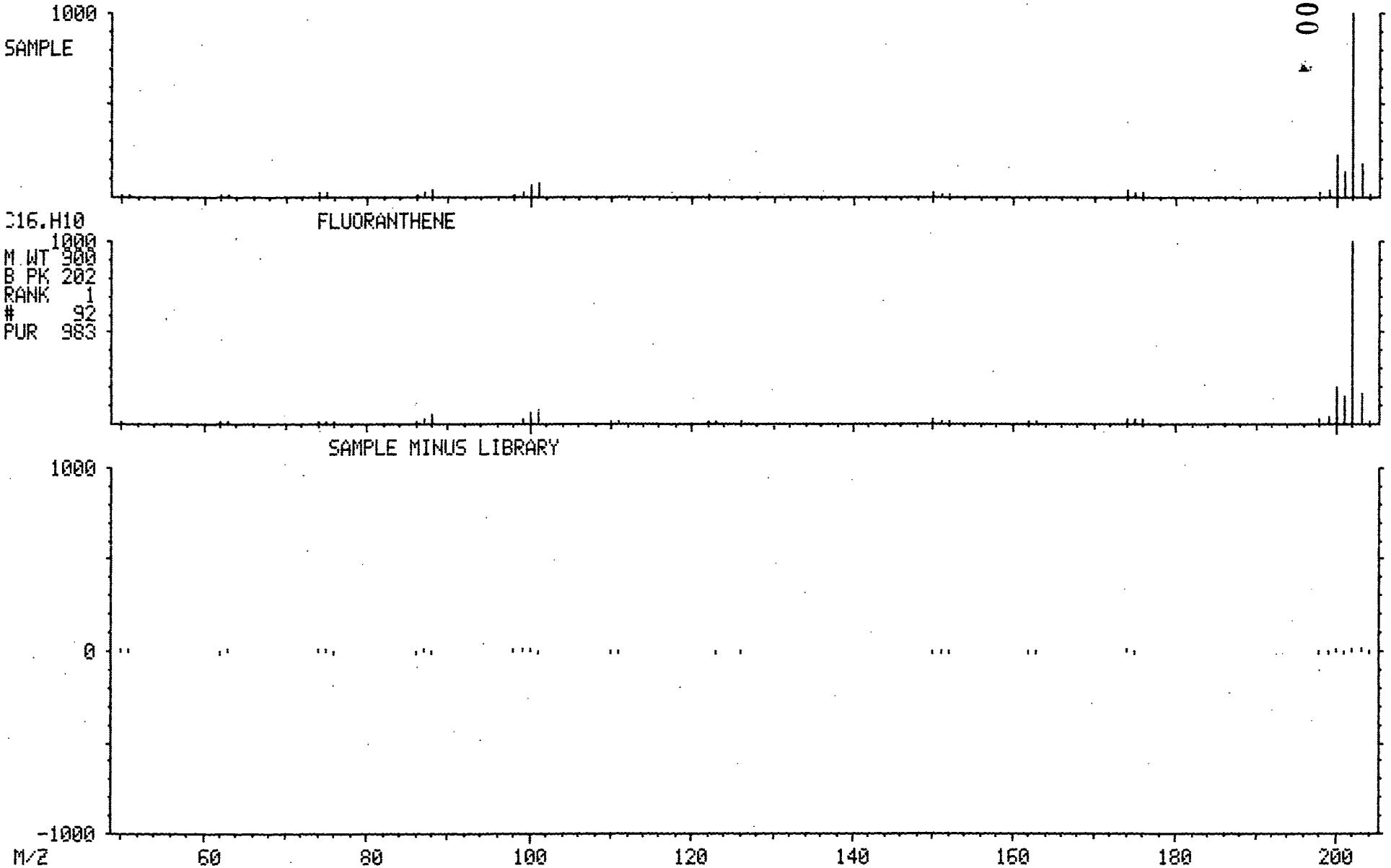


MID LIBRARY SEARCH
06/15/91 1:01:00 + 25:56
SAMPLE: S3 91-13587
CONDS.: MS-B CASE: EOH0022
ENHANCED (S 15B 2N 0T)

DATA: AD22513587 #1613
CALI: AD22513587 # 2

BASE M/Z: 202
RIC: 10431.

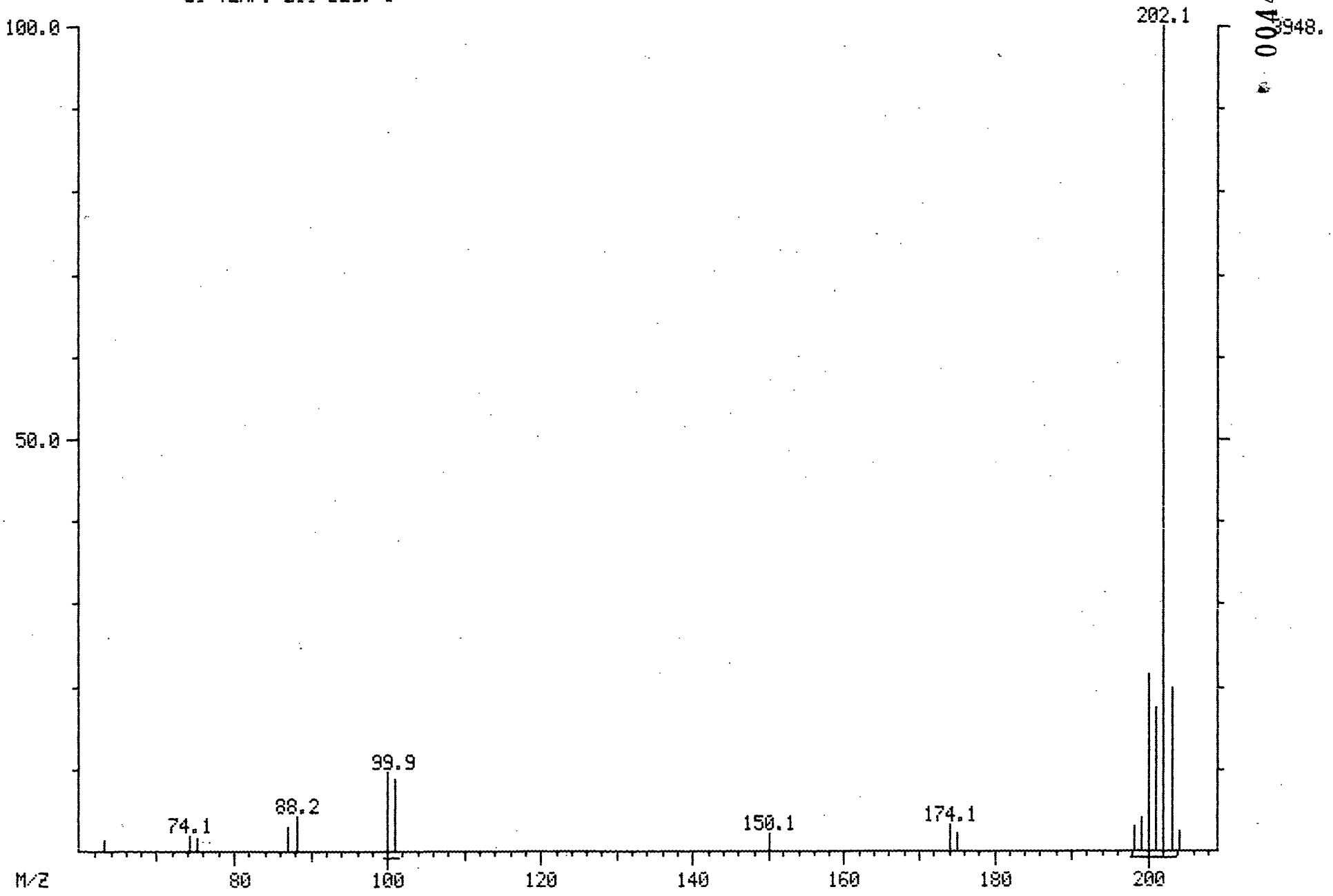
00440



MID MASS SPECTRUM
06/15/91 1:01:00 + 26:32
SAMPLE: S3 91-13587
CONDS.: MS-B CASE: EOH0022
GC TEMP: 265 DEG. C

DATA: AD22S13587 #1650
CALI: AD22S13587 #2

BASE M/Z: 202
RIC: 8144.



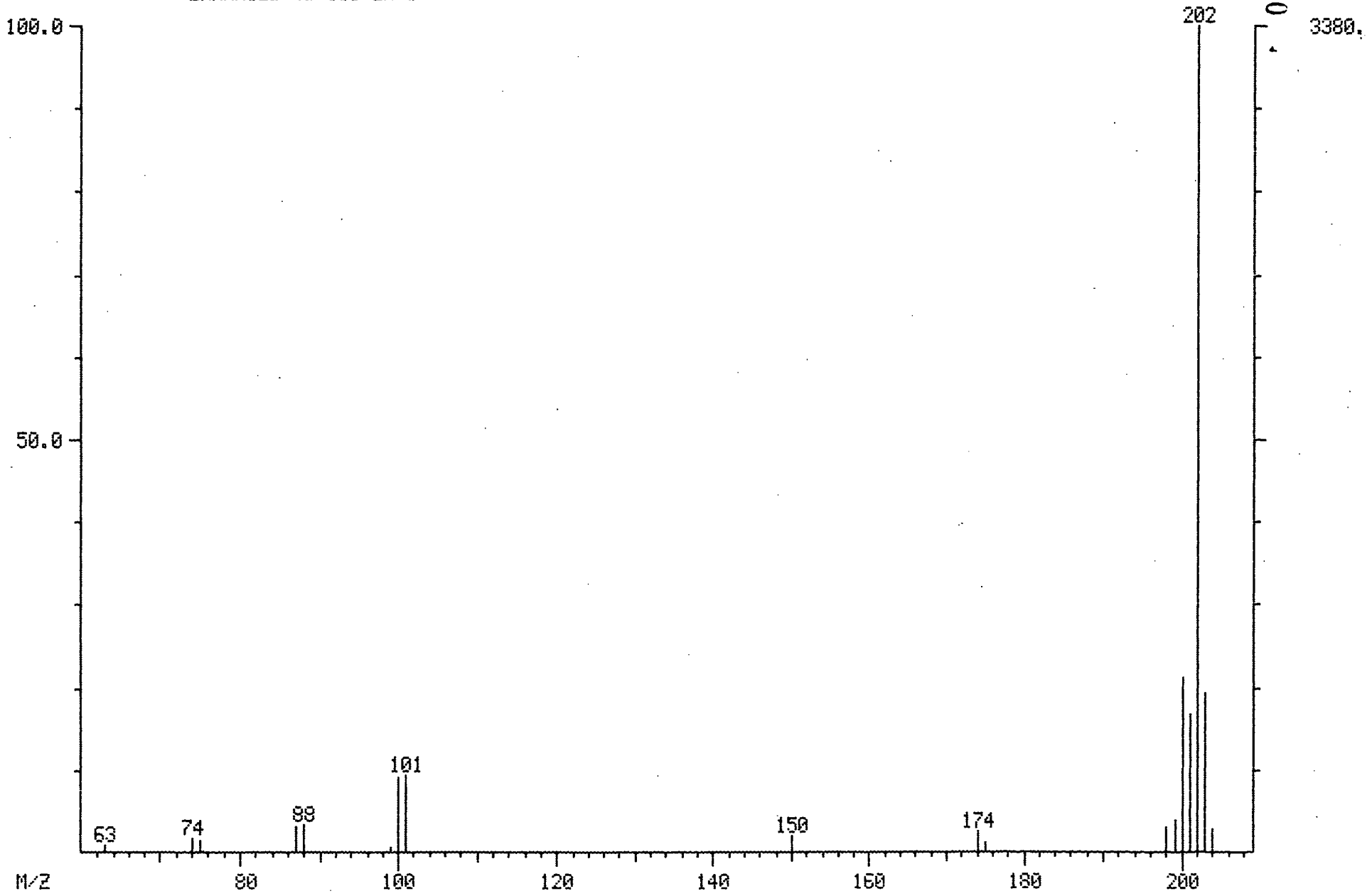
00441

MID MASS SPECTRUM
06/15/91 1:01:00 + 26:32
SAMPLE: S3 91-13587
CONDS.: MS-B CASE: EOH0022
GC TEMP: 265 DEG. C
ENHANCED (S 15B 2N 0T)

DATA: AD22513587 #1650
CALI: AD22513587 #2

BASE M/Z: 202
RIC: 6832.

00442

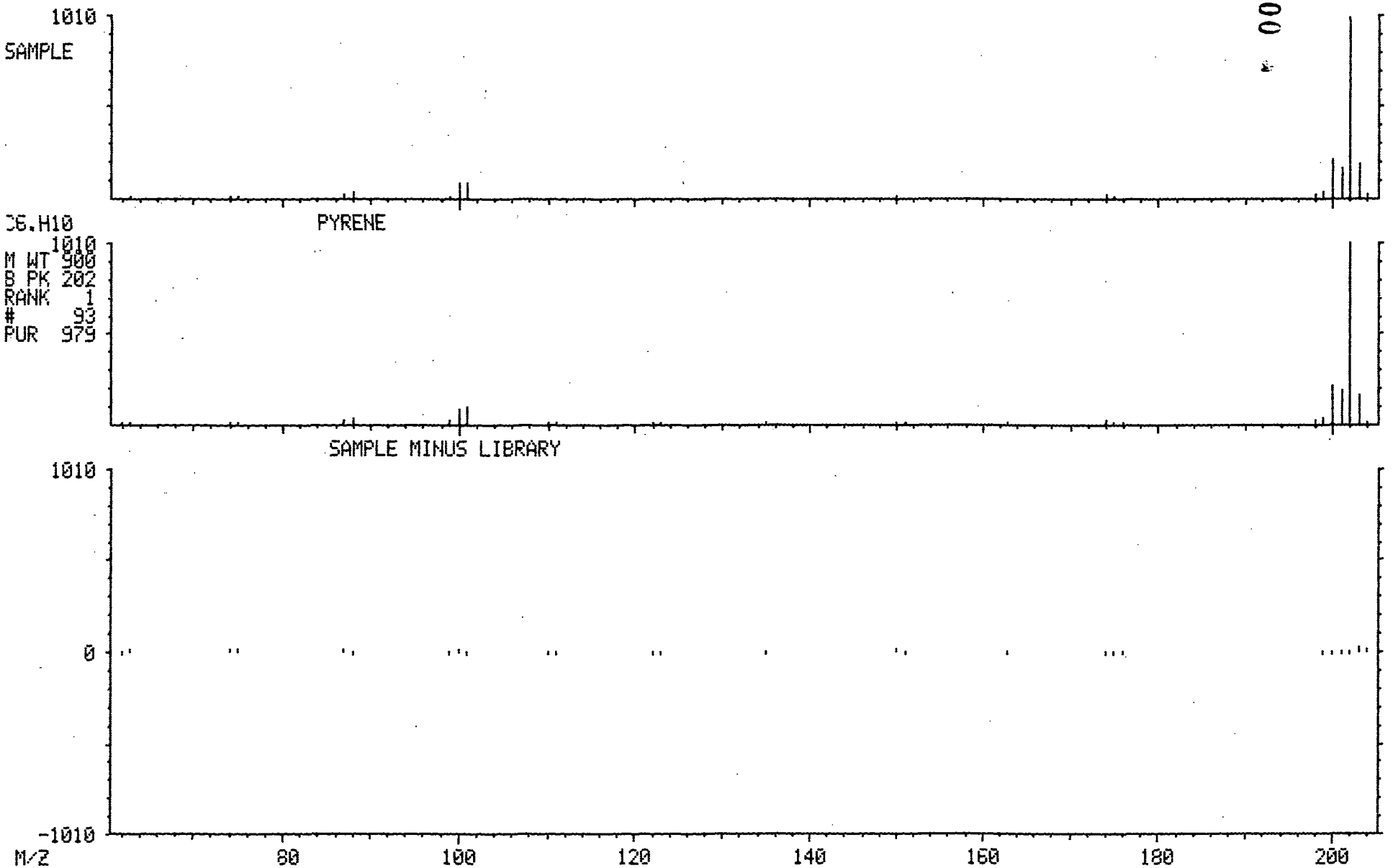


MID LIBRARY SEARCH
06/15/91 1:01:00 + 26:32
SAMPLE: S3 91-13587
CONDS.: MS-B CASE: EOH0022
ENHANCED (S 15B 2N 0T)

DATA: AD22513587 #1650
CALI: AD22513587 # 2

BASE M/Z: 202
RIC: 6831.

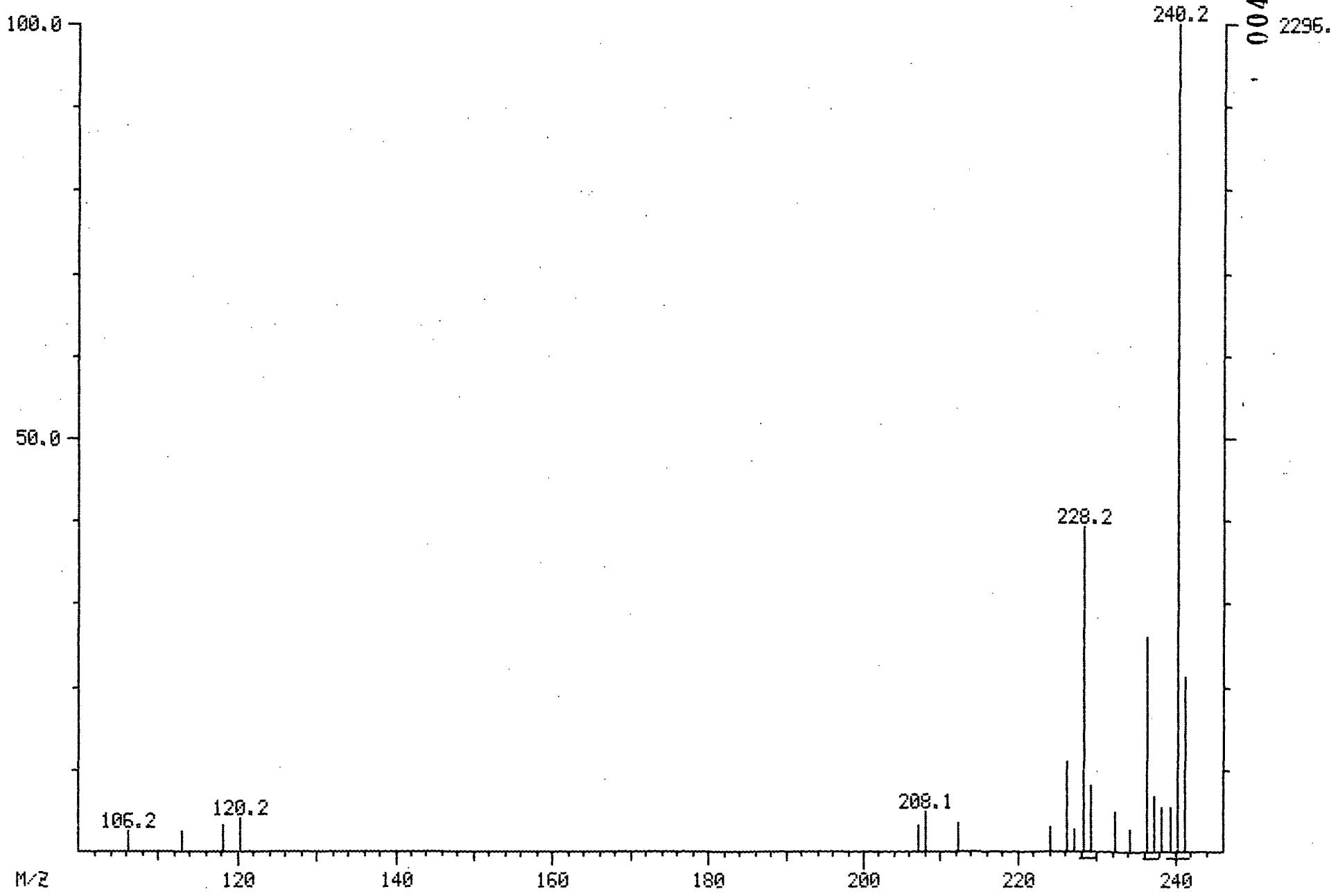
00443



MID MASS SPECTRUM
06/15/91 1:01:00 + 29:40
SAMPLE: S3 91-13587
CONDS.: MS-B CASE: EOH0022
GC TEMP: 297 DEG. C

DATA: AD22S13587 #1845
CALI: AD22S13587 #2

BASE M/Z: 240
RIC: 5968.

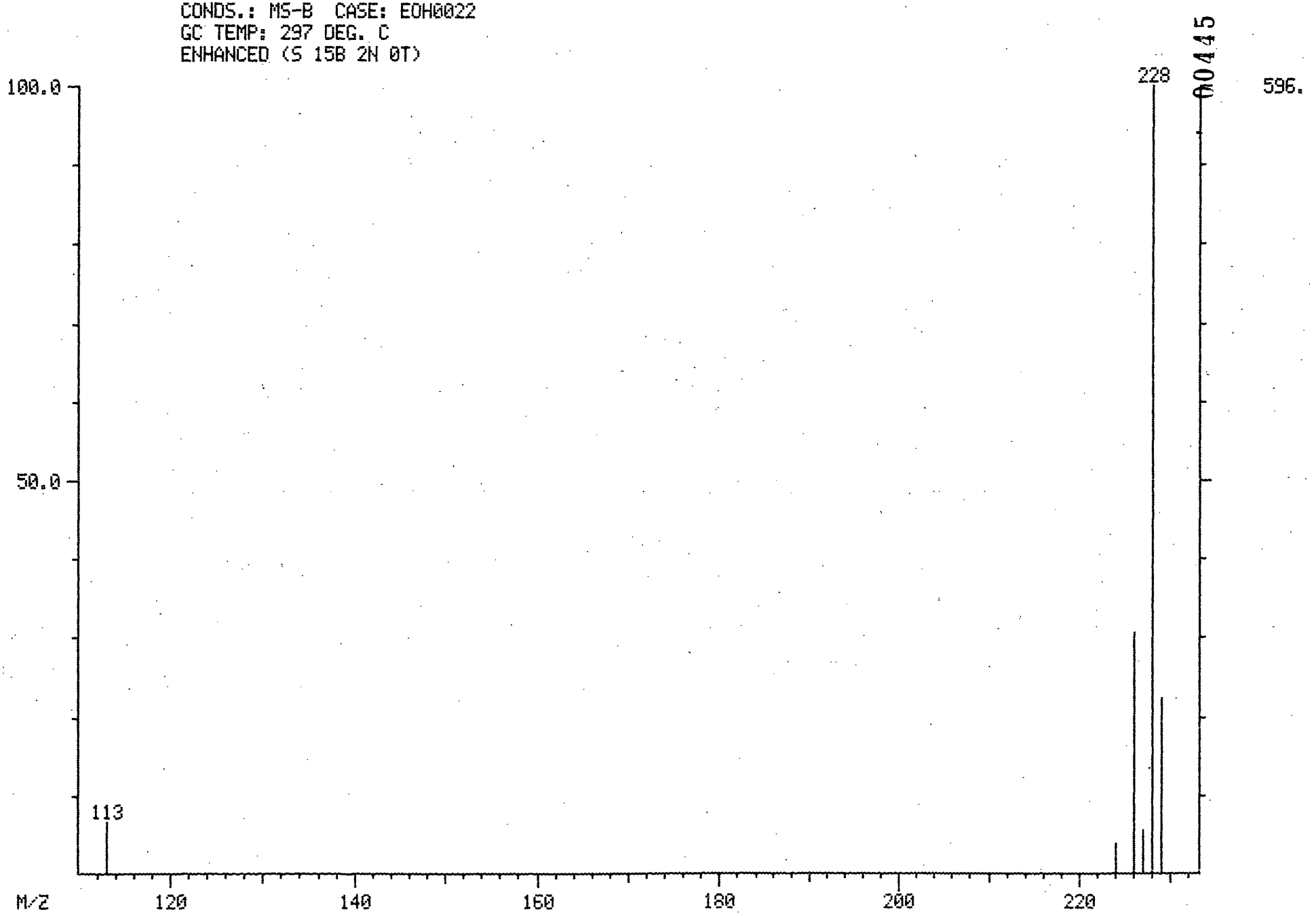


00444

MID MASS SPECTRUM
06/15/91 1:01:00 + 29:40
SAMPLE: S3 91-13587
CONDS.: M5-B CASE: EOH0022
GC TEMP: 297 DEG. C
ENHANCED (S 15B 2N 0T)

DATA: AD22S13587 #1845
CALI: AD22S13587 #2

BASE M/Z: 228
RIC: 1007.

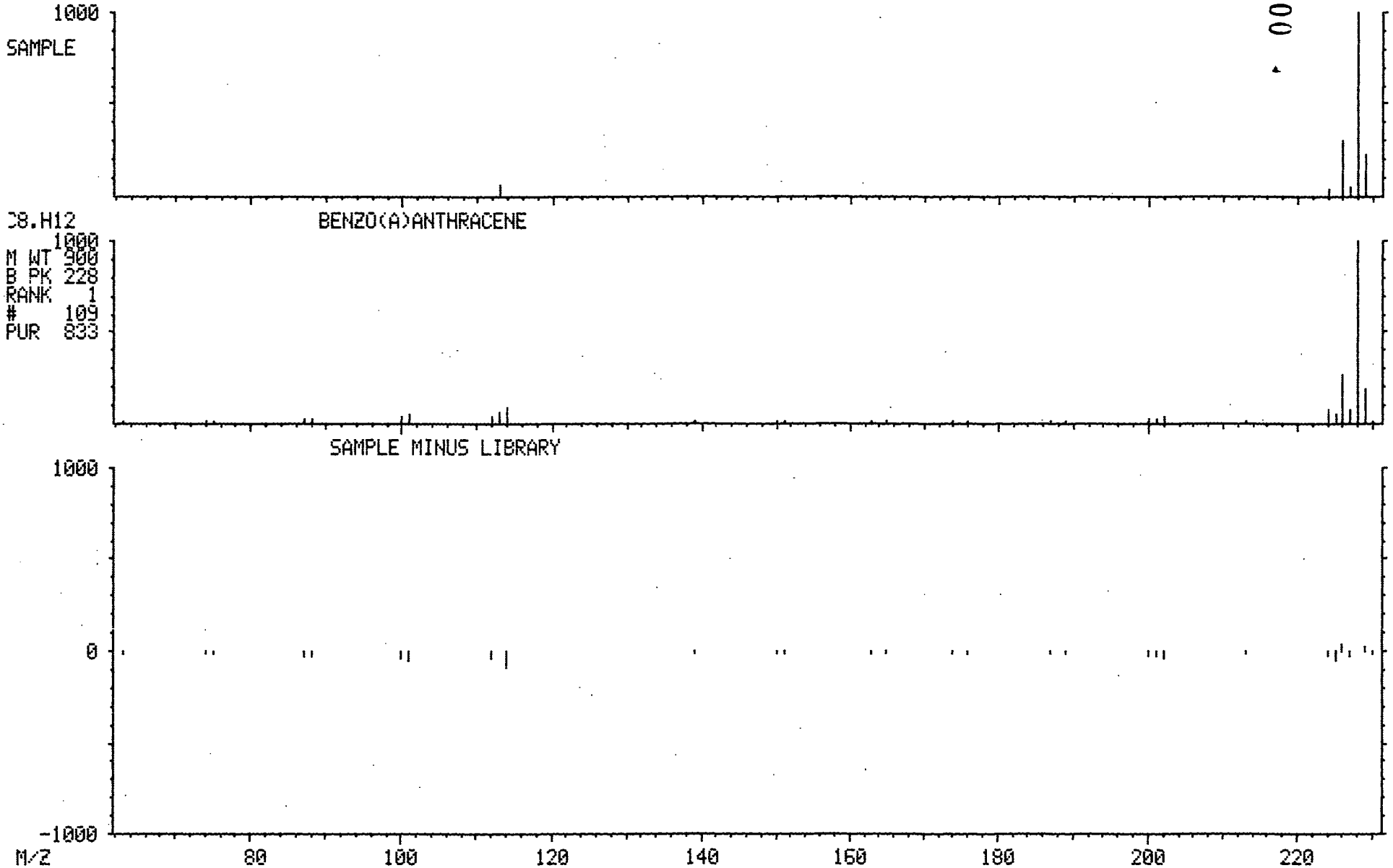


MID LIBRARY SEARCH
06/15/91 1:01:00 + 29:40
SAMPLE: S3 91-13587
CONDS.: MS-B CASE: EOH0022
ENHANCED (S 15B 2N 0T)

DATA: AD22S13587 #1845
CALI: AD22S13587 # 2

BASE M/Z: 228
RIC: 1006.

00446

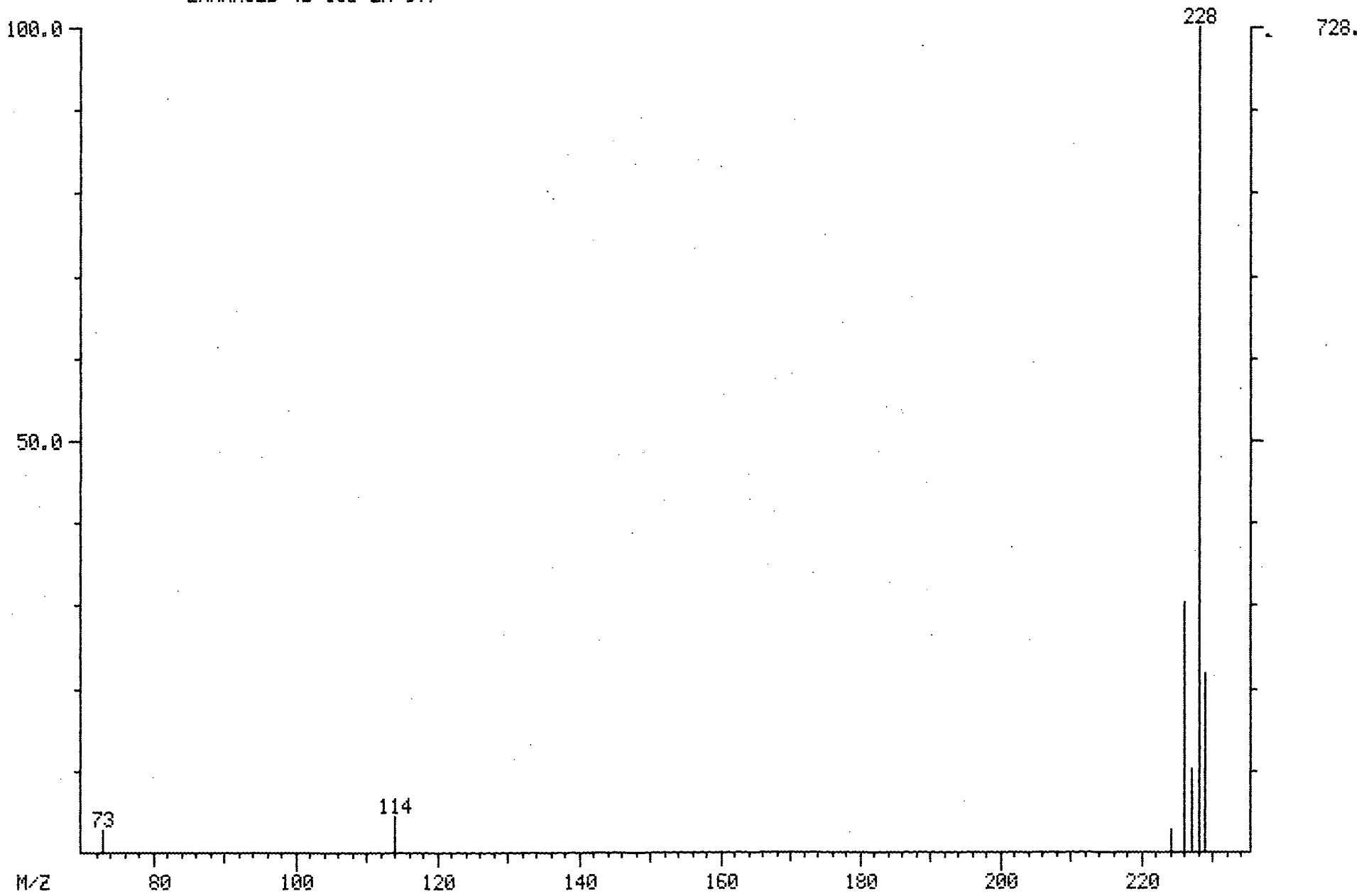


MID MASS SPECTRUM
06/15/91 1:01:00 + 29:45
SAMPLE: S3 91-13587
CONDS.: MS-B CASE: EOH0022
GC TEMP: 298 DEG. C
ENHANCED (S 15B 2N 0T)

DATA: AD22513587 #1851
CALI: AD22513587 #2

BASE M/Z: 228
RIC: 1258.

00447

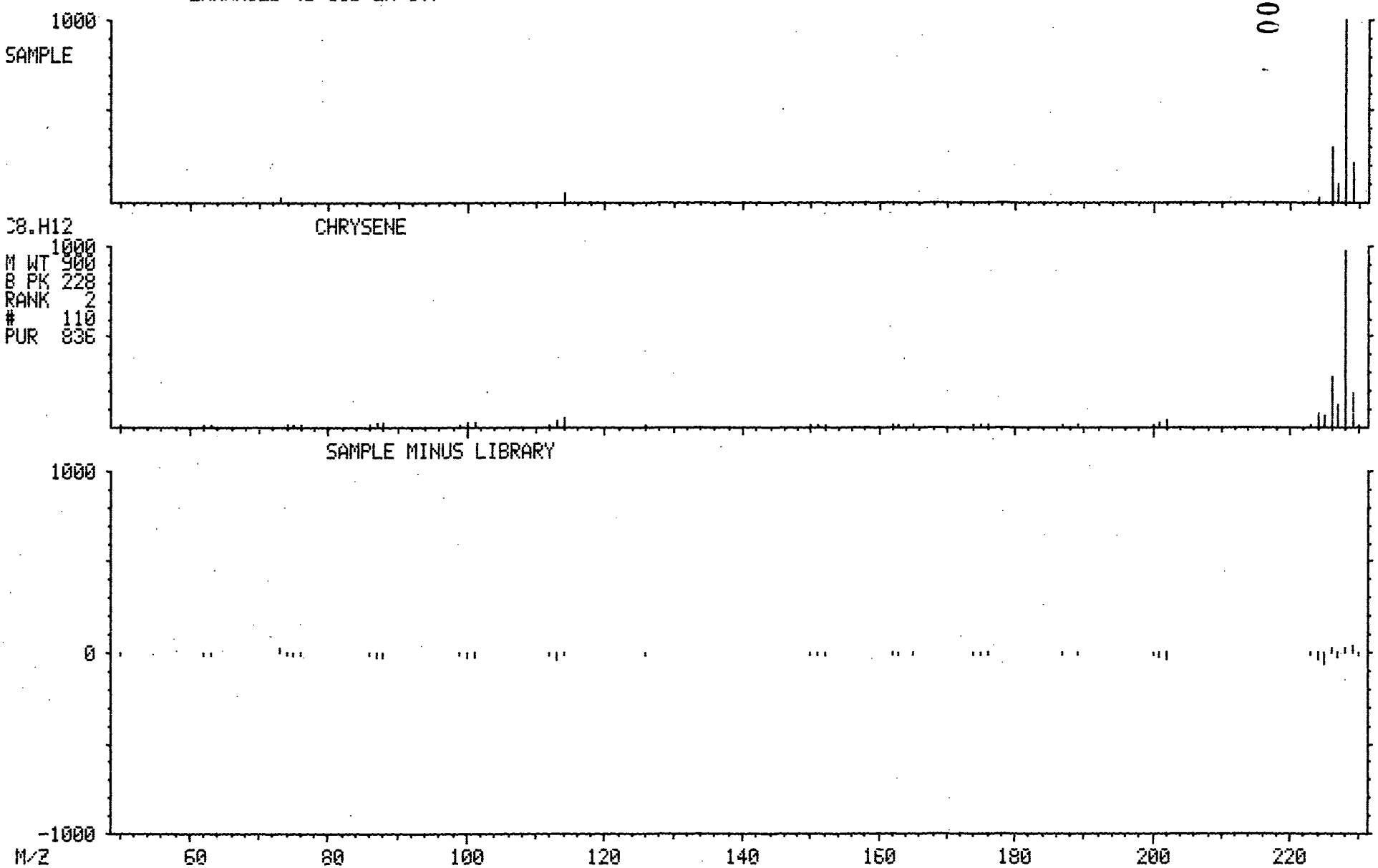


MID LIBRARY SEARCH
06/15/91 1:01:00 + 29:45
SAMPLE: S3 91-13587
CONDS.: MS-B CASE: EOH0022
ENHANCED (S 15B 2N 0T)

DATA: AD22513587 #1851
CALI: AD22513587 # 2

BASE M/Z: 228
RIC: 1257.

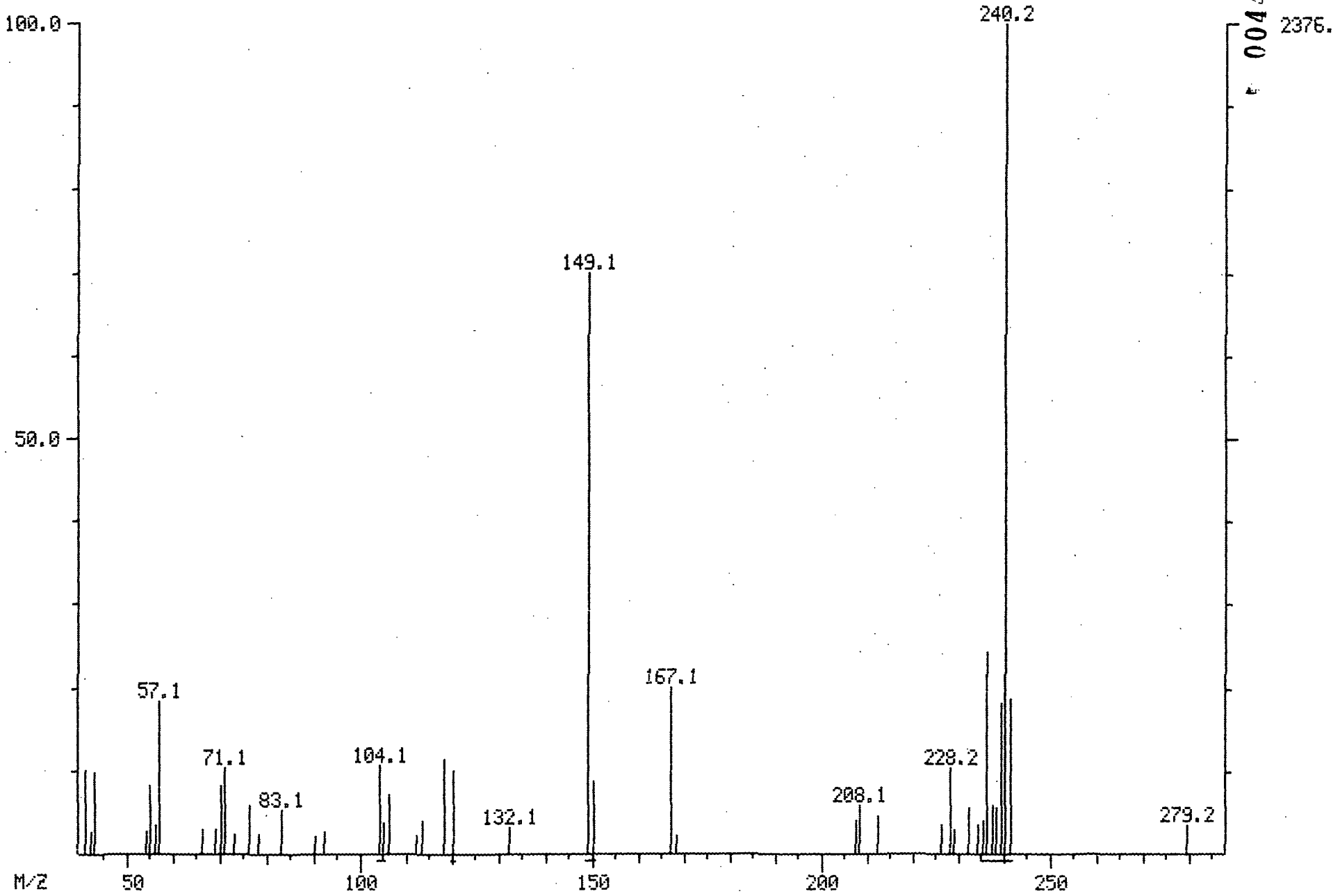
00448



MID MASS SPECTRUM
06/15/91 1:01:00 + 29:43
SAMPLE: S3 91-13587
CONDS.: MS-B CASE: EOH0022
GC TEMP: 297 DEG. C

DATA: AD22S13587 #1848
CALI: AD22S13587 #2

BASE M/Z: 240
RIC: 11376.

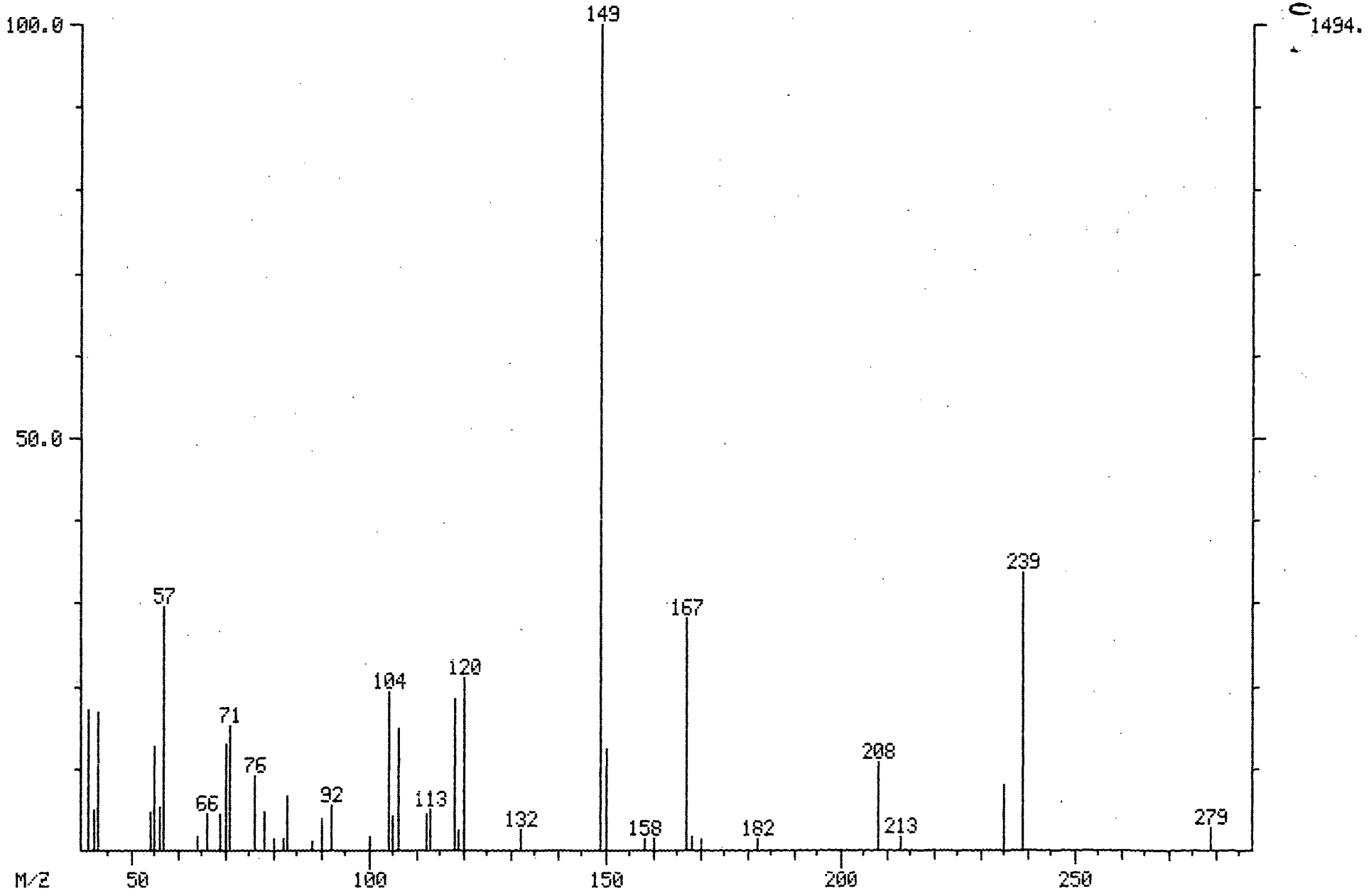


00449

MID MASS SPECTRUM
06/15/91 1:01:00 + 29:43
SAMPLE: S3 91-13587
CONDS.: MS-B CASE: EOH0022
GC TEMP: 297 DEG. C
ENHANCED (S 15B 2N 0T)

DATA: AD22513587 #1848
CALI: AD22513587 #2

BASE M/Z: 149
RIC: 6888.

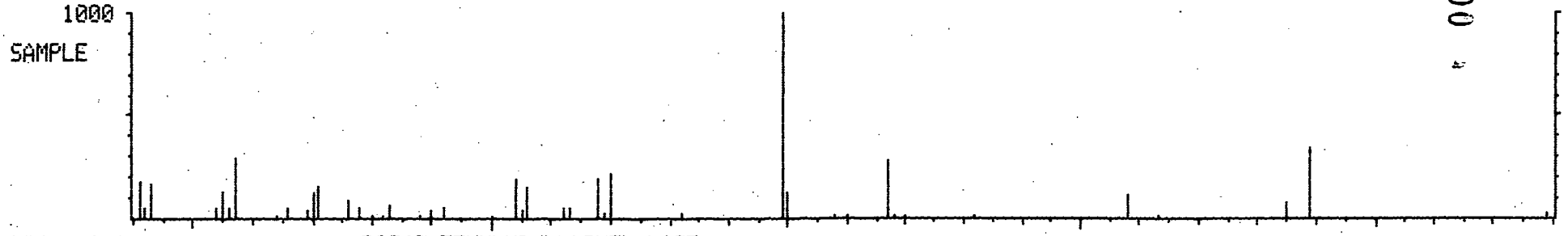


00450

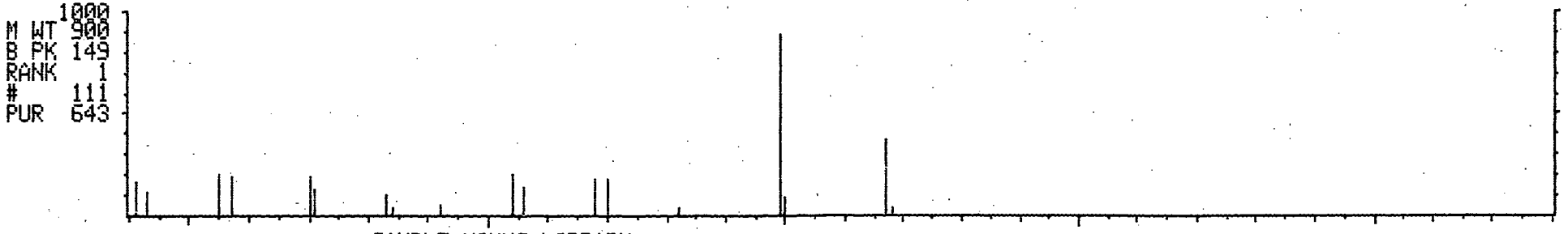
MID LIBRARY SEARCH
06/15/91 1:01:00 + 29:43
SAMPLE: S3 91-13587
CONDS.: MS-B CASE: EOH0022
ENHANCED (S 15B 2N 0T)

DATA: AD22513587 #1848 BASE M/Z: 149
CALI: AD22513587 # 2 RIC: 6887.

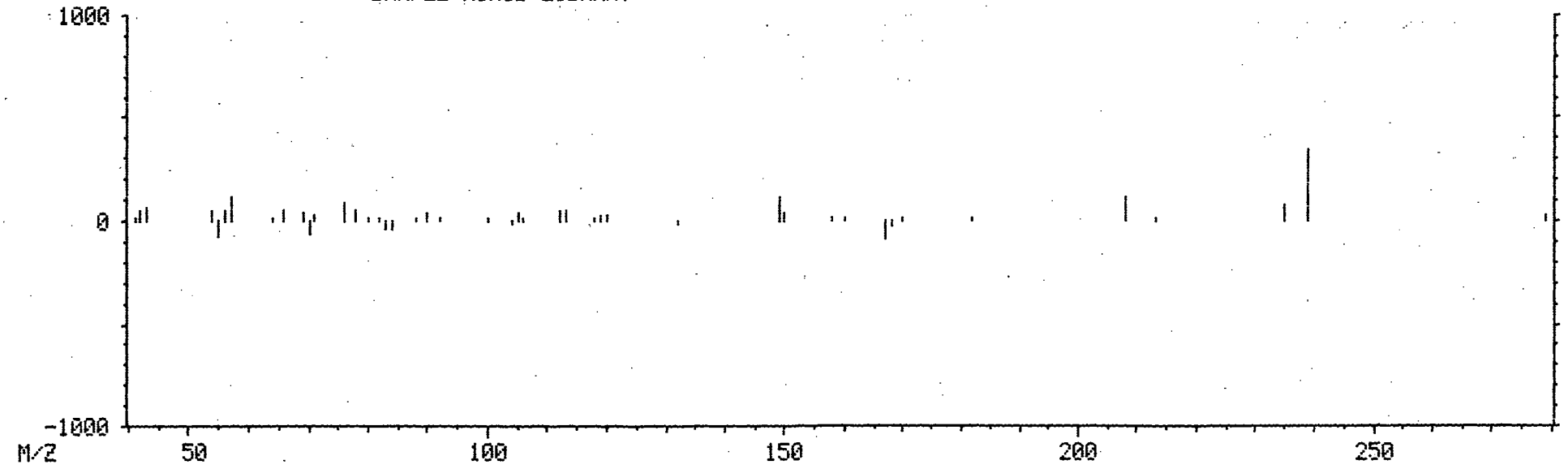
00451



C24.H38.04 BIS(2-ETHYLHEXYL)PHTHALATE



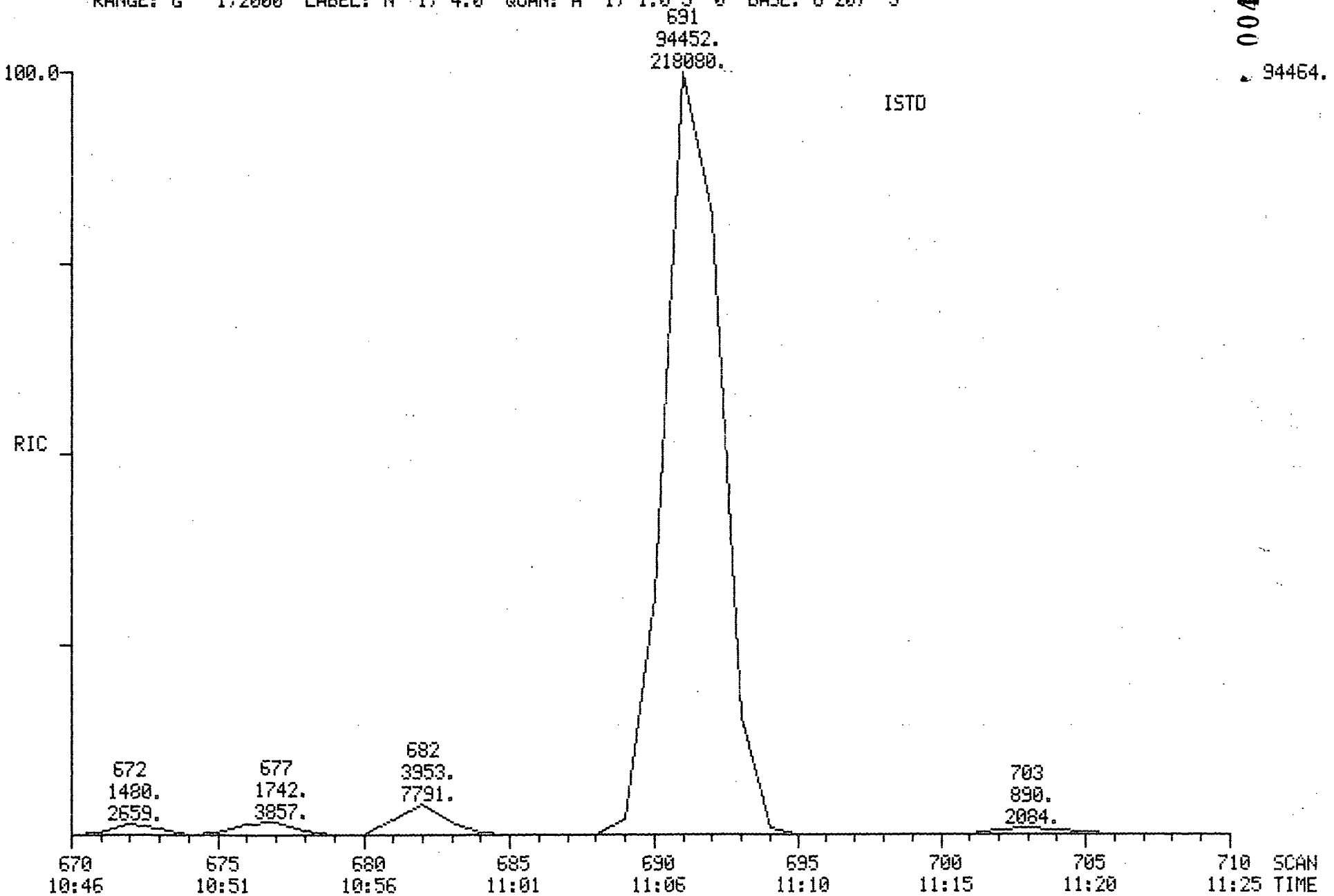
SAMPLE MINUS LIBRARY



MIDRIC
06/15/91 1:01:00
SAMPLE: S3 91-13587
CONDS.: MS-B CASE: EOH0022
RANGE: G 1,2000 LABEL: N 1, 4.0 QUAN: A 1, 1.0 J 0 BASE: U 20, 3

DATA: AD22513587 #1 SCANS 670 TO 710
CALI: AD22513587 #2

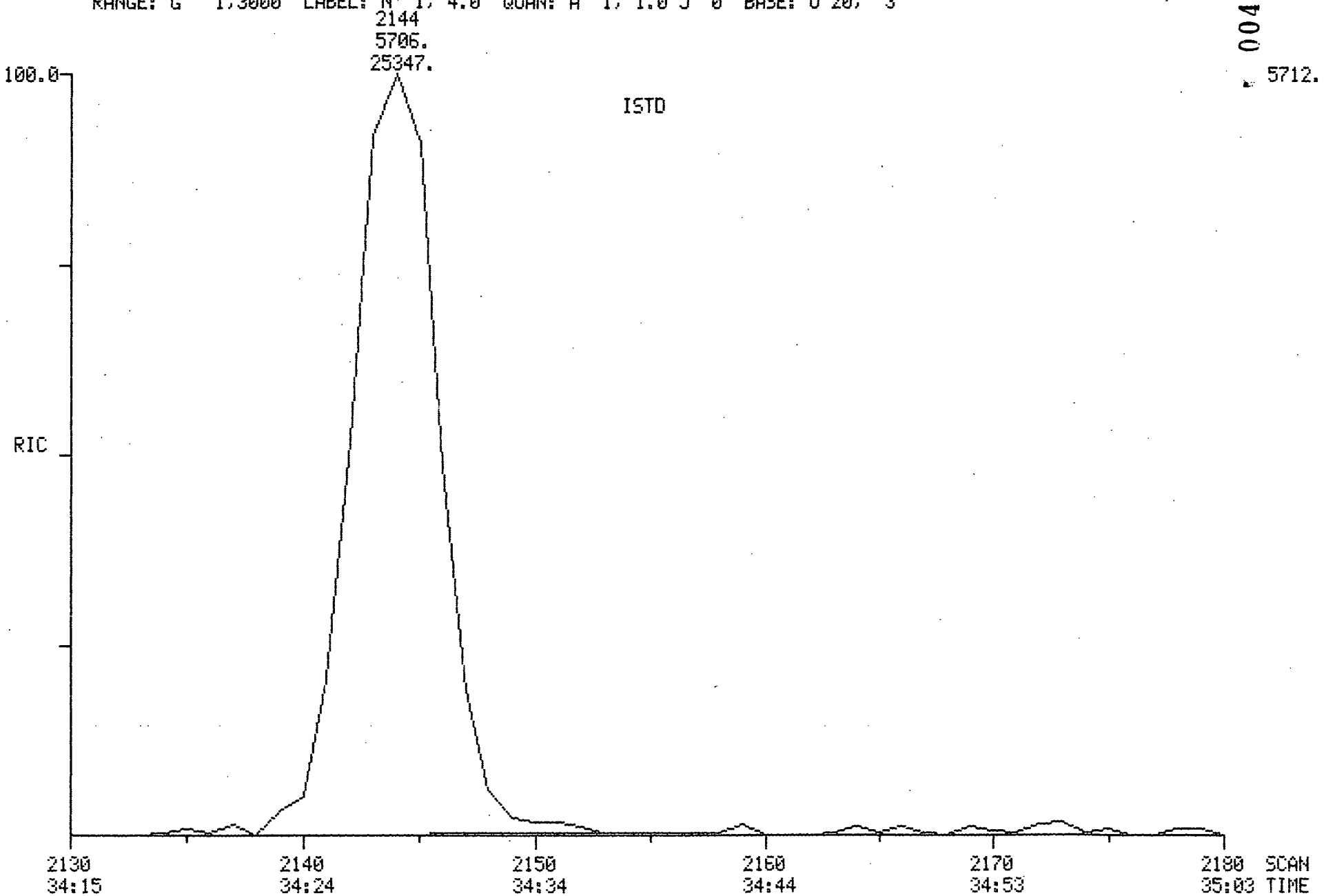
00452



MIDRIC
06/15/91 1:01:00
SAMPLE: S3 91-13587
CONDS.: MS-B CASE: EOH0022
RANGE: G 1,3000 LABEL: N 1, 4.0 QUAN: A 1, 1.0 J 0 BASE: U 20, 3

DATA: AD22513587 #1847 SCANS 2130 TO 2180
CALI: AD22513587 #2

00453



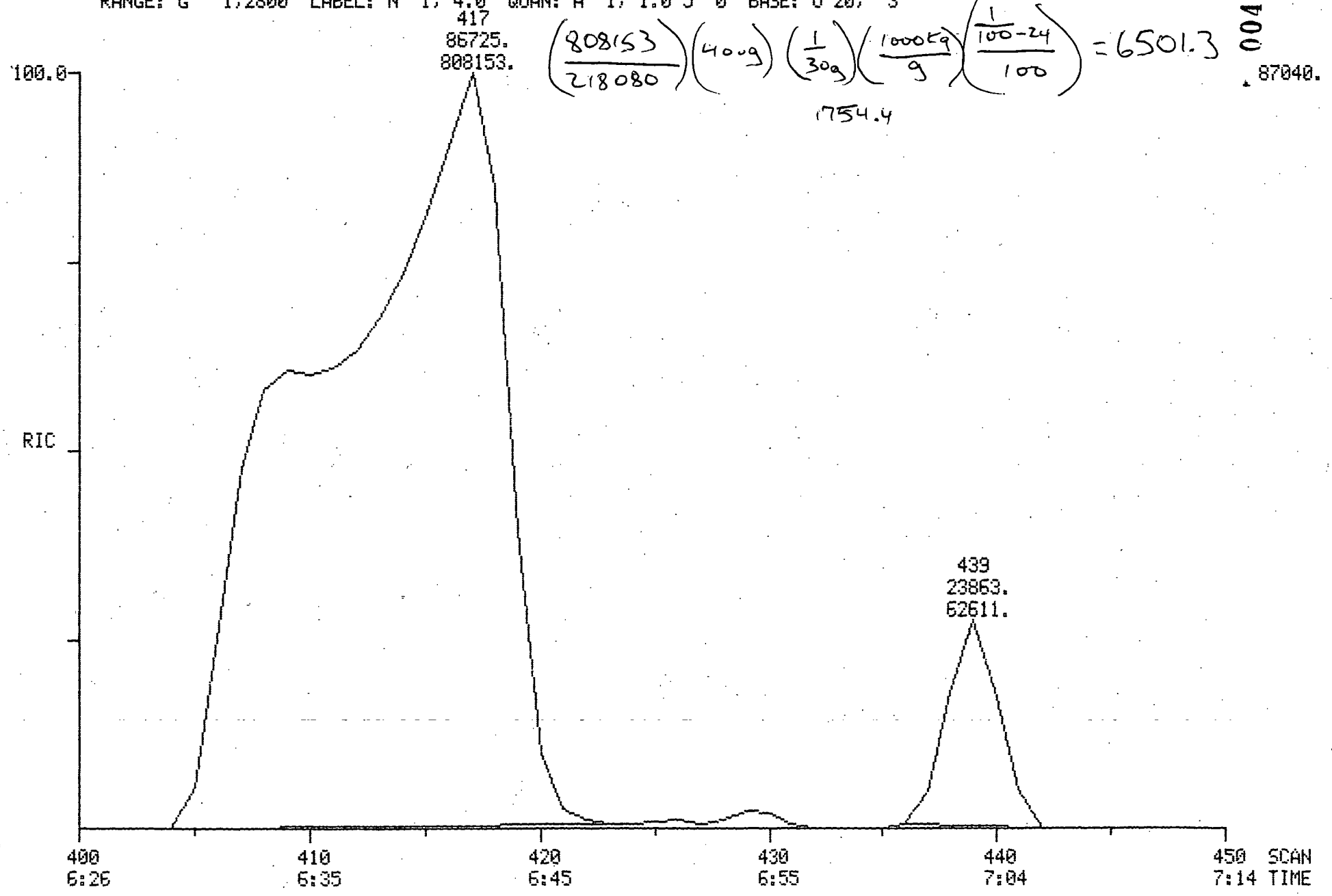
MIDRIC
06/15/91 1:01:00
SAMPLE: S3 91-13587
CONDS.: MS-B CASE: EOH0022
RANGE: G 1,2800 LABEL: N 1, 4.0 QUAN: A 1, 1.0 J 0 BASE: U 20, 3

DATA: AD22513587 #1
CALI: AD22513587 #2

SCANS 400 TO 450

$$\left(\frac{808153}{218080}\right)\left(400g\right)\left(\frac{1}{30g}\right)\left(\frac{1000ug}{g}\right)\left(\frac{\frac{1}{100-24}}{100}\right) = 6501.3$$

1754.4



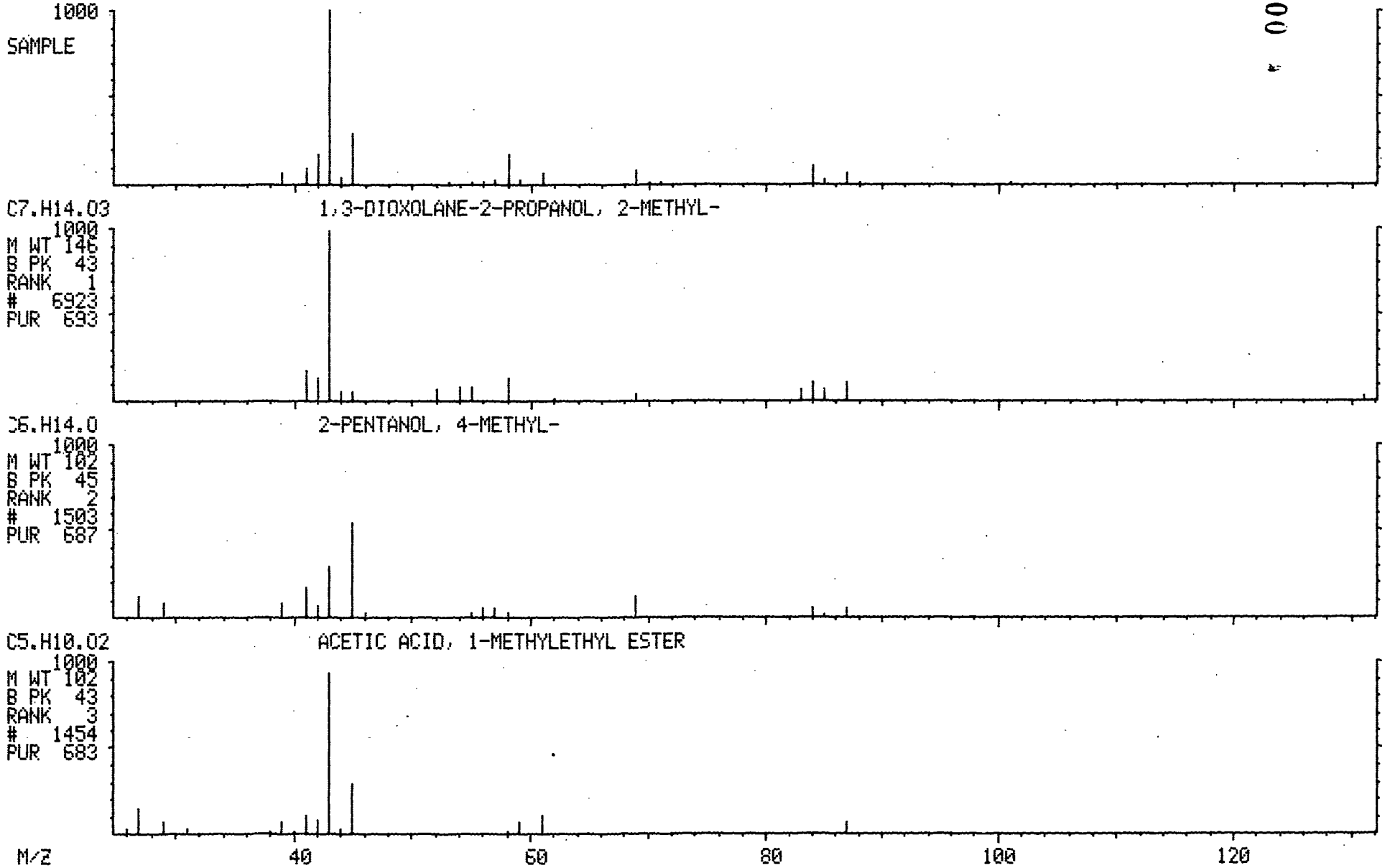
00454

MID LIBRARY SEARCH
06/15/91 1:01:00 + 6:42
SAMPLE: S3 91-13587
CONDS.: MS-B CASE: EDH0022
ENHANCED (S 15B 2N 0T)

DATA: AD22S13587 # 417
CALI: AD22S13587 # 2

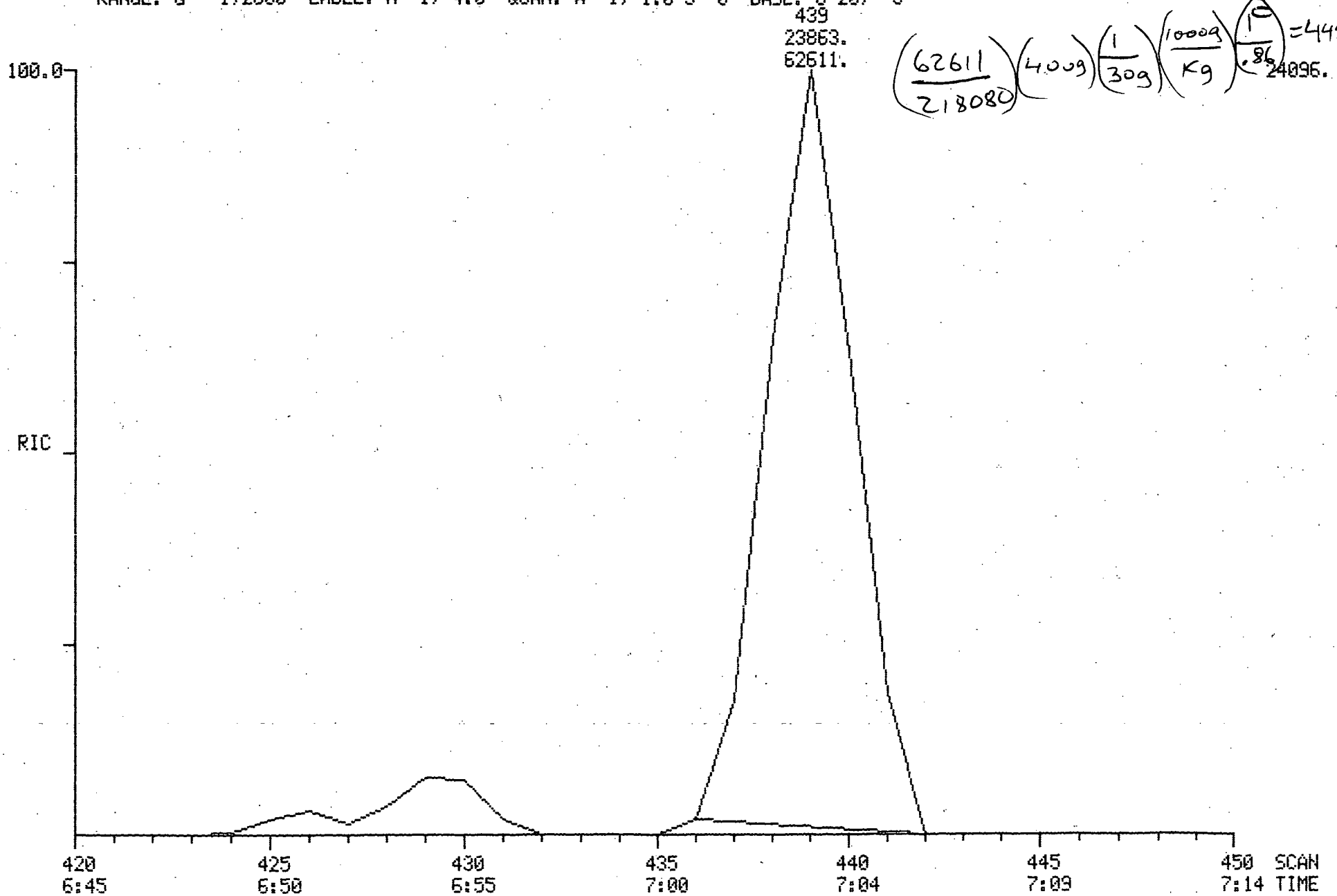
BASE M/Z: 43
RIC: 57471.

00455



MIDRIC
06/15/91 1:01:00
SAMPLE: S3 91-13587
CONDS.: MS-B CASE: EDH0022
RANGE: G 1,2800 LABEL: N 1, 4.0 QUAN: A 1, 1.0 J 0 BASE: U 20, 3

DATA: AD22513587 #1 SCANS 420 TO 450
CALI: AD22513587 #2



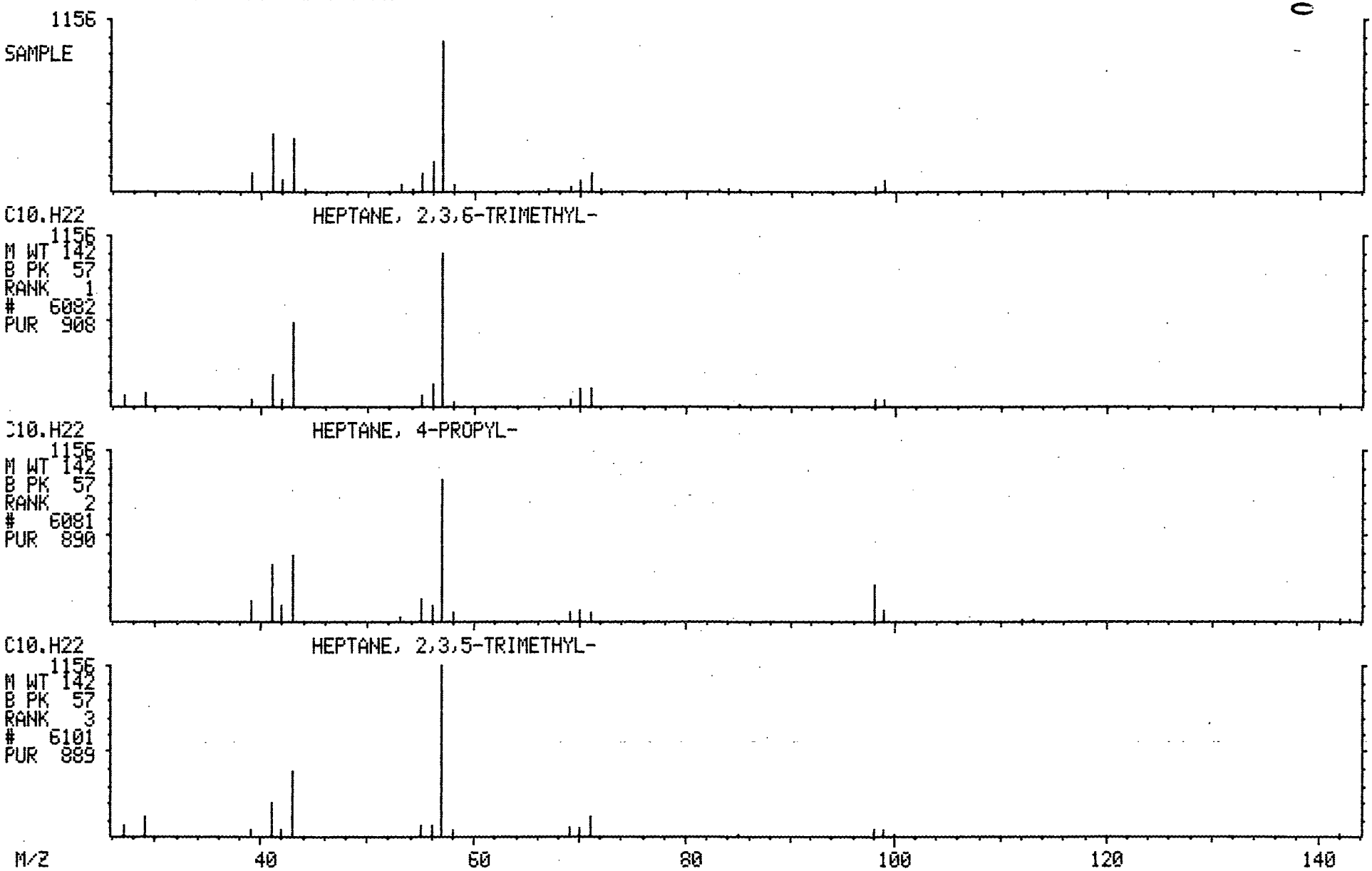
$\left(\frac{62611}{218080}\right)\left(4.009\right)\left(\frac{1}{30g}\right)\left(\frac{1000g}{Kg}\right)\left(\frac{1}{.86}\right) = 445.1$

004156

MID LIBRARY SEARCH
06/15/91 1:01:00 + 7:03
SAMPLE: S3 91-13587
CONDS.: MS-B CASE: EOH0022
ENHANCED (S 15B 2N 0T)

DATA: AD22S13587 # 439 BASE M/Z: 57
CALI: AD22S13587 # 2 RIC: 21759.

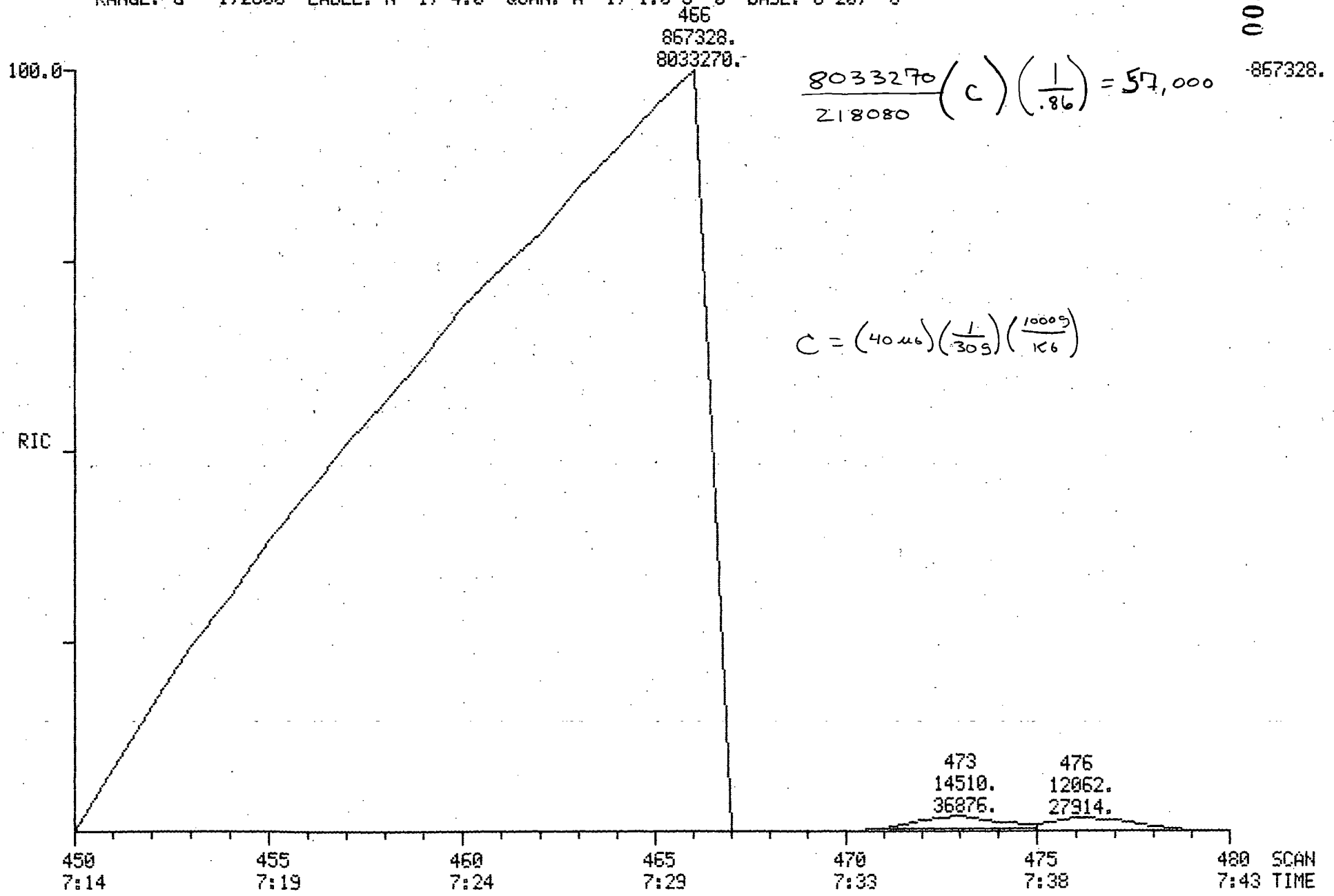
00457



MIDRIC
06/15/91 1:01:00
SAMPLE: S3 91-13587
CONDS.: MS-B CASE: EOH0022
RANGE: G 1,2800 LABEL: N 1, 4.0 QUAN: A 1, 1.0 J 0 BASE: U 20, 3

DATA: AD22513587 #1 SCANS 450 TO 480
CALI: AD22513587 #2

00458



$\frac{8033270}{218080}(C)\left(\frac{1}{.86}\right) = 57{,}000$

$C = (40\,\mu g)\left(\frac{1}{30\,g}\right)\left(\frac{1000\,g}{1\,kg}\right)$

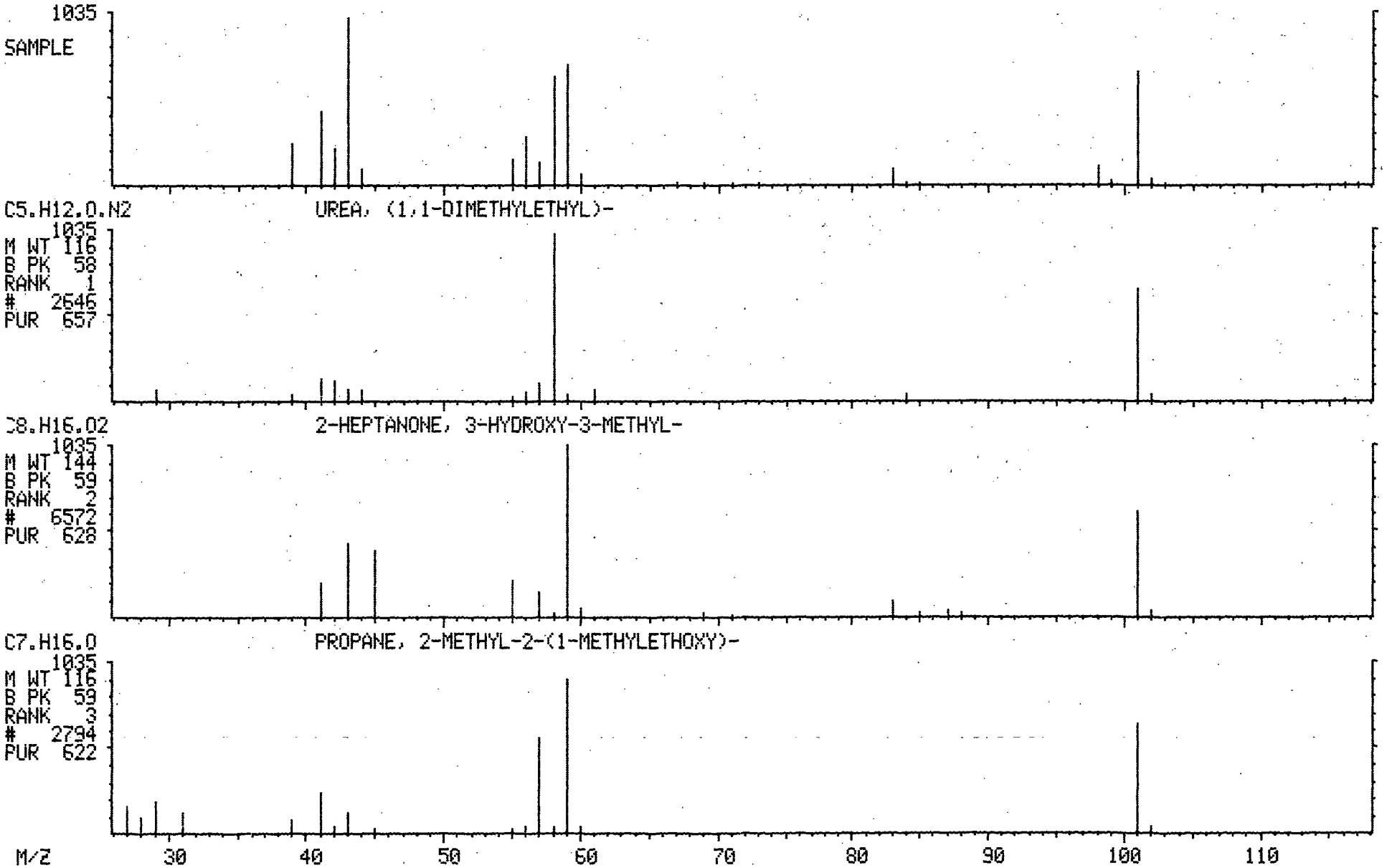
867328.

MID LIBRARY SEARCH
06/15/91 1:01:00 + 7:29
SAMPLE: S3 91-13587
CONDS.: MS-B CASE: EOH0022
ENHANCED (S 15B 2N 0T)

DATA: AD22513587 # 466
CALI: AD22513587 # 2

BASE M/Z: 43
RIC: 335359.

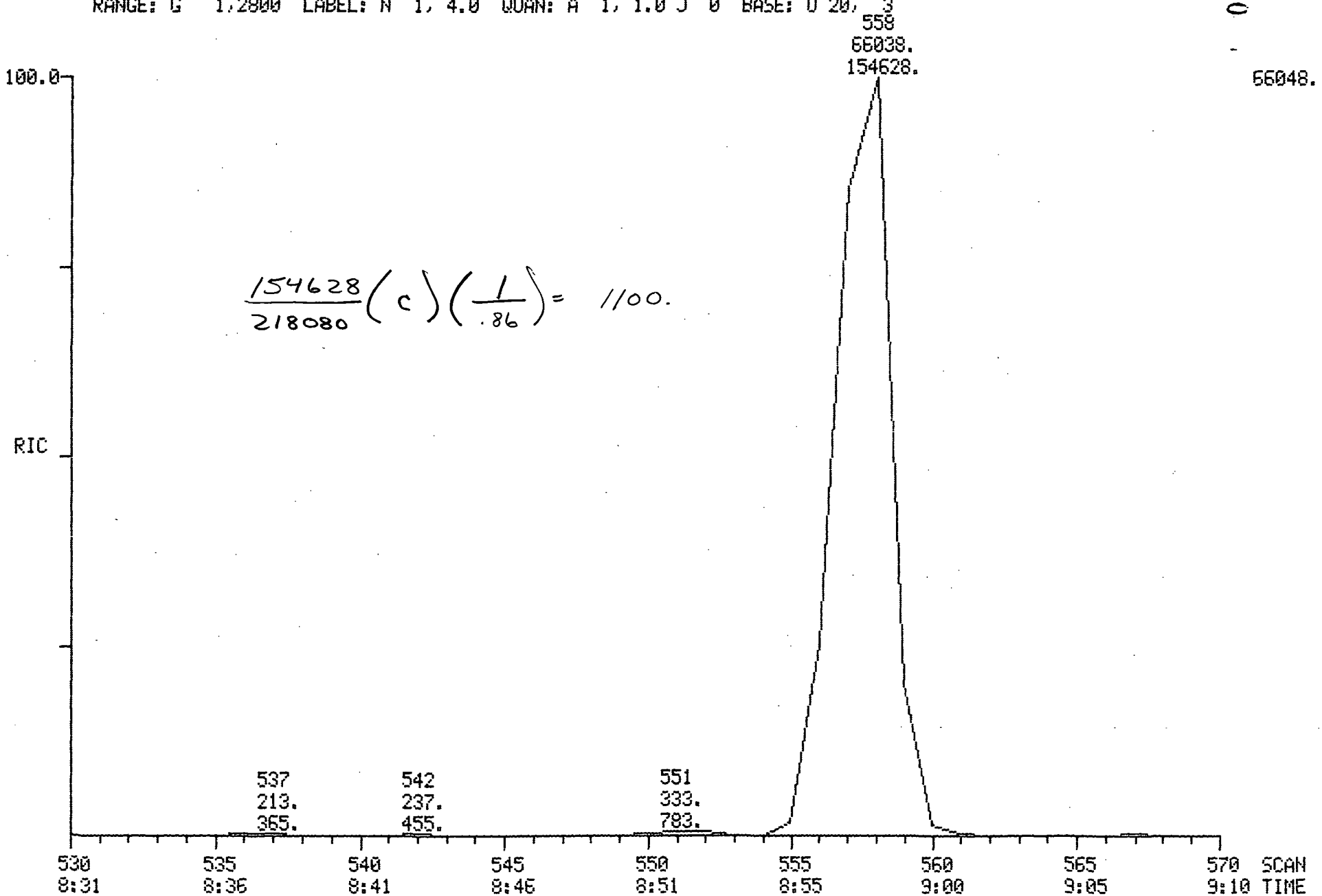
00459



MIDRIC
06/15/91 1:01:00
SAMPLE: S3 91-13587
CONDS.: MS-B CASE: EOH0022
RANGE: G 1,2800 LABEL: N 1, 4.0 QUAN: A 1, 1.0 J 0 BASE: U 20, 3

DATA: AD22513587 #1 SCANS 530 TO 570
CALI: AD22513587 #2

00460

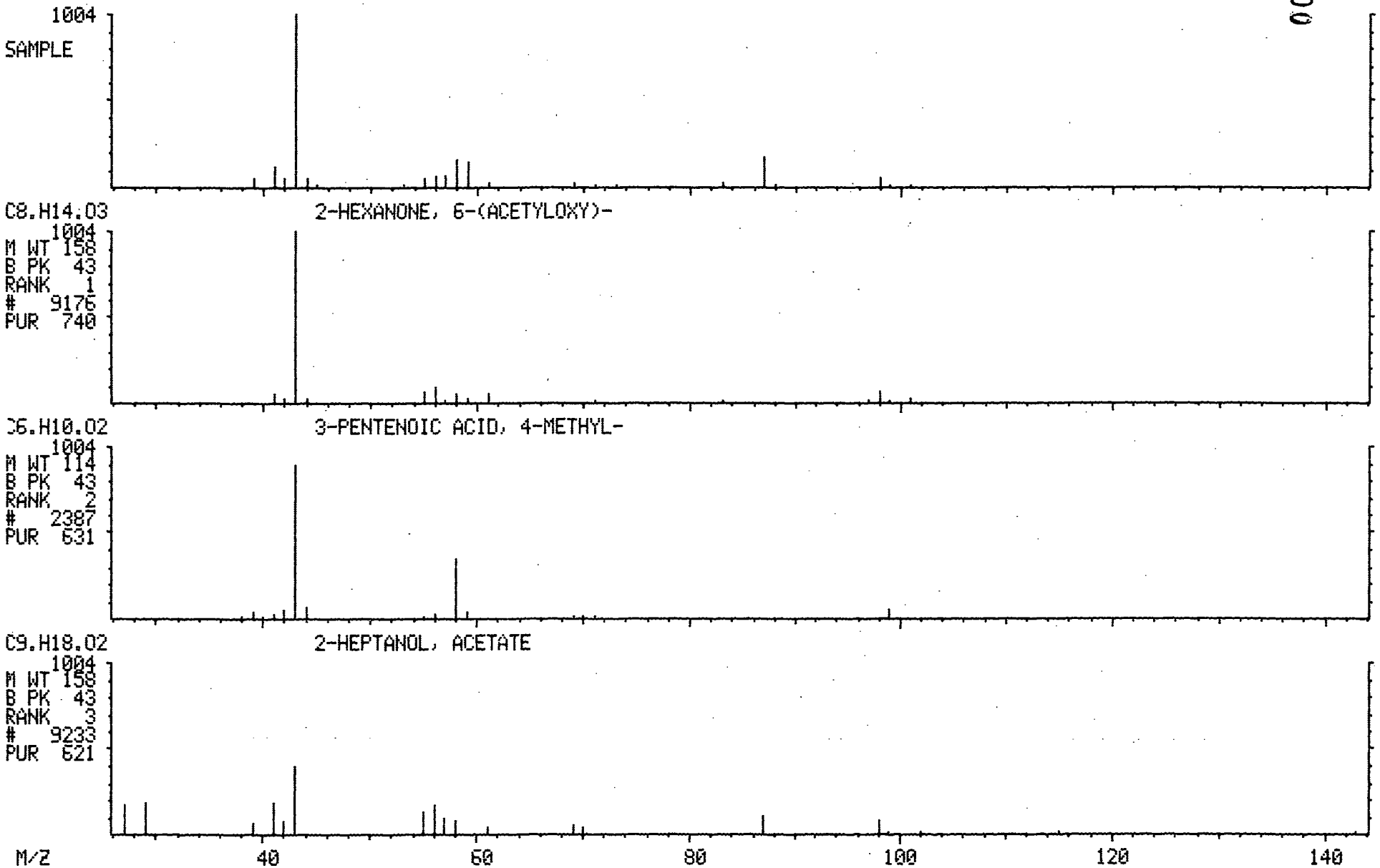


$\frac{154628}{218080}(c)\left(\frac{1}{.86}\right) = 1100.$

MID LIBRARY SEARCH
06/15/91 1:01:00 + 8:58
SAMPLE: S3 91-13587
CONDS.: MS-B CASE: EOH0022
ENHANCED (S 15B 2N 0T)

DATA: AD22513587 # 558 BASE M/Z: 43
CALI: AD22513587 # 2 RIC: 53503.

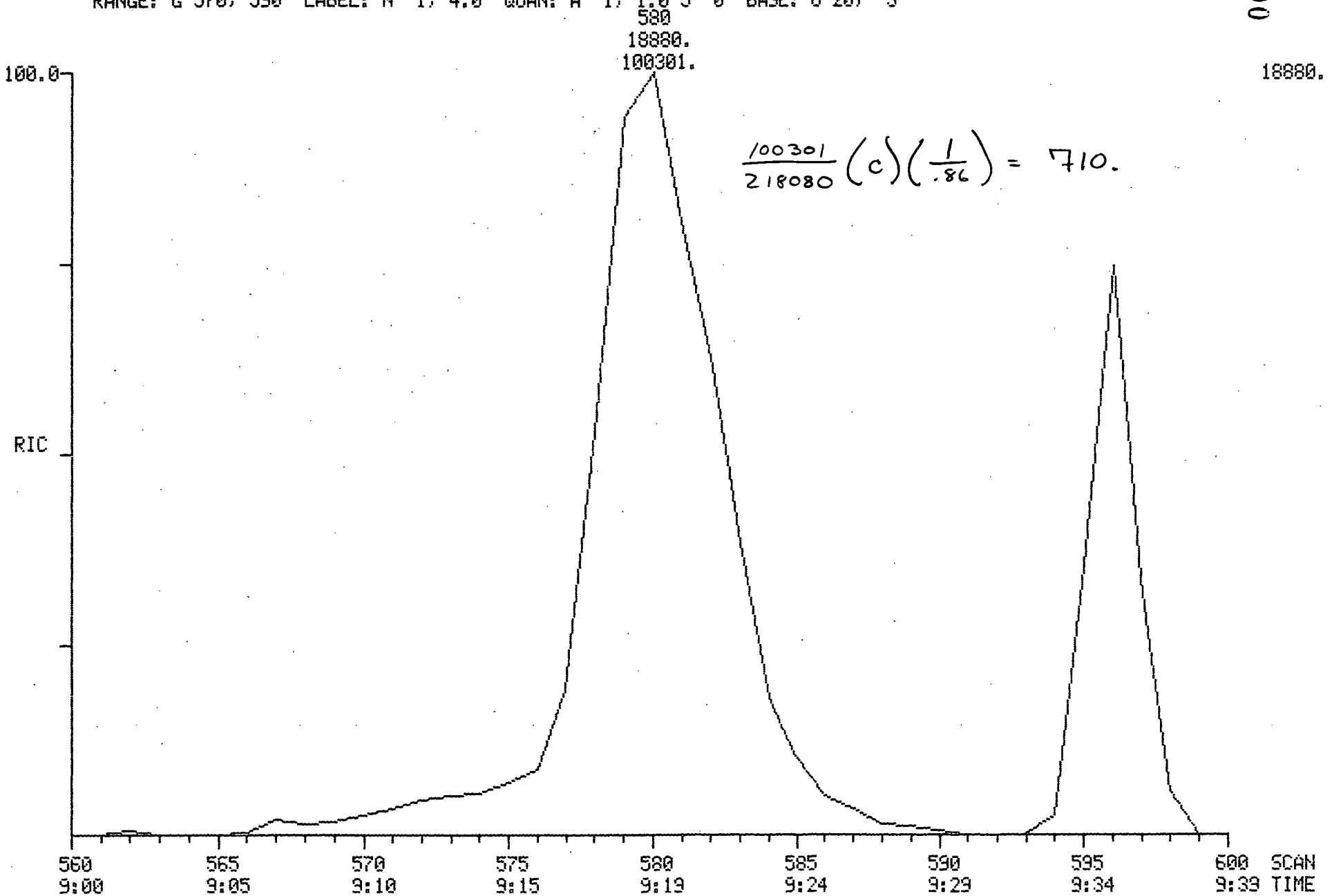
19400



MIDRIC
06/15/91 1:01:00
SAMPLE: S3 91-13587
CONDS.: MS-B CASE: EOH0022
RANGE: G 570, 590 LABEL: N 1, 4.0 QUAN: A 1, 1.0 J 0 BASE: U 20, 3

DATA: AD22513587 #1 SCANS 560 TO 600
CALI: AD22513587 #2

00462



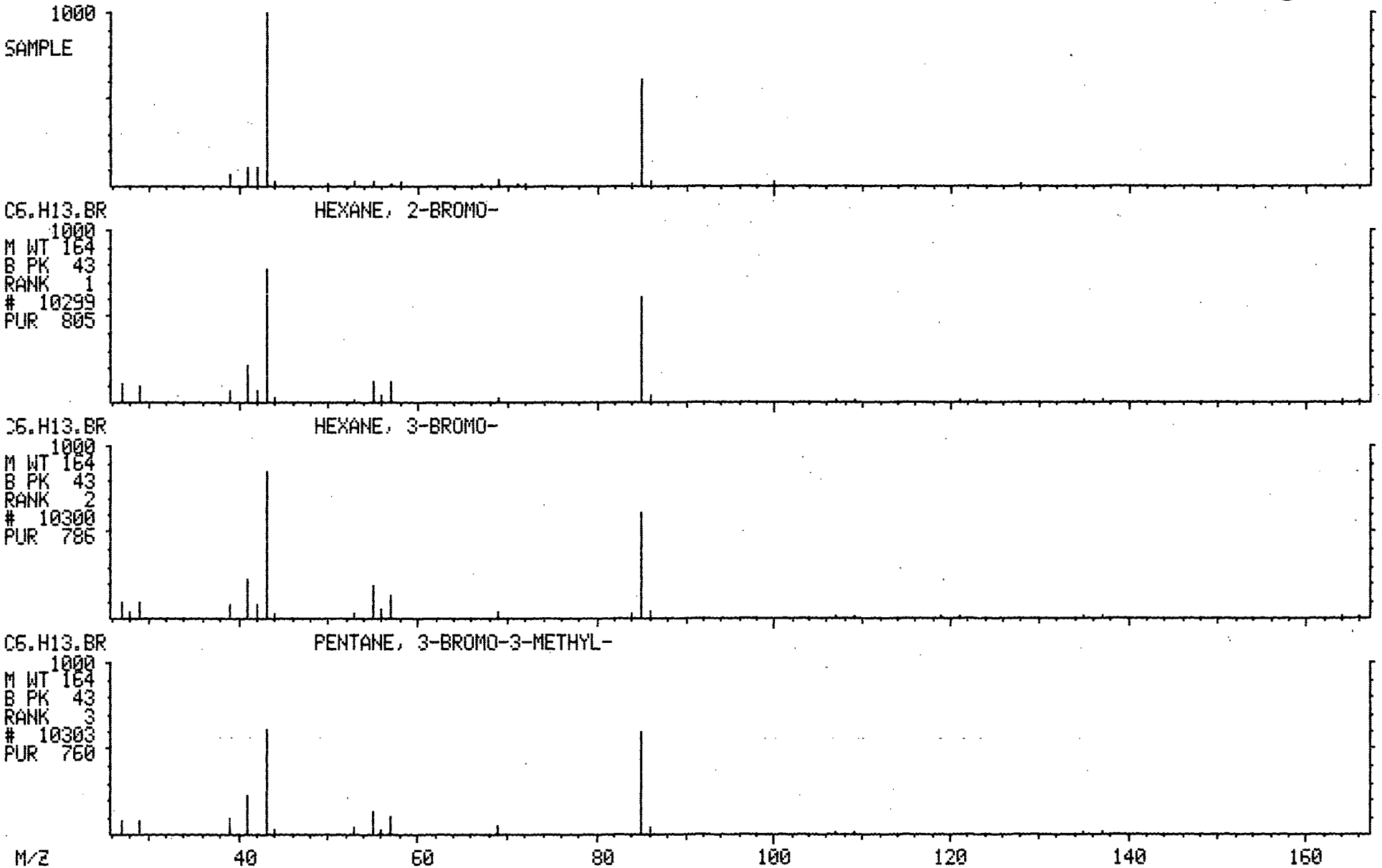
$\frac{100301}{218080}(c)\left(\frac{1}{.86}\right) = 710.$

MID LIBRARY SEARCH
06/15/91 1:01:00 + 9:19
SAMPLE: S3 91-13587
CONDS.: MS-B CASE: EOH0022
ENHANCED (S 15B 2N 0T)

DATA: AD22513587 # 580
CALI: AD22513587 # 2

BASE M/Z: 43
RIC: 17279.

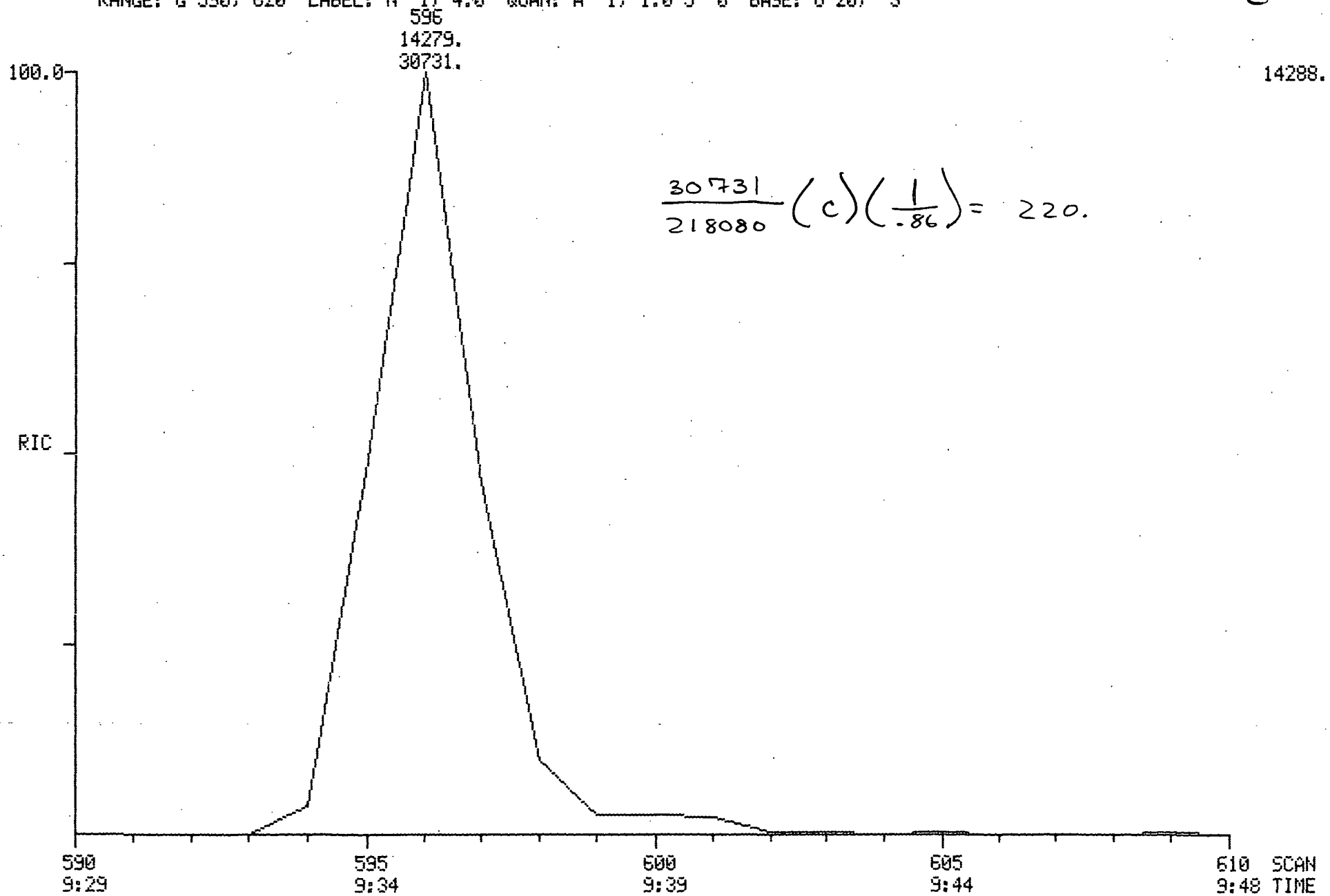
00463



MIDRIC
06/15/91 1:01:00
SAMPLE: S3 91-13587
CONDS.: MS-B CASE: EOH0022
RANGE: G 590, 620 LABEL: N 1, 4.0 QUAN: A 1, 1.0 J 0 BASE: U 20, 3

DATA: AD22513587 #1 SCANS 590 TO 610
CALI: AD22513587 #2

00464



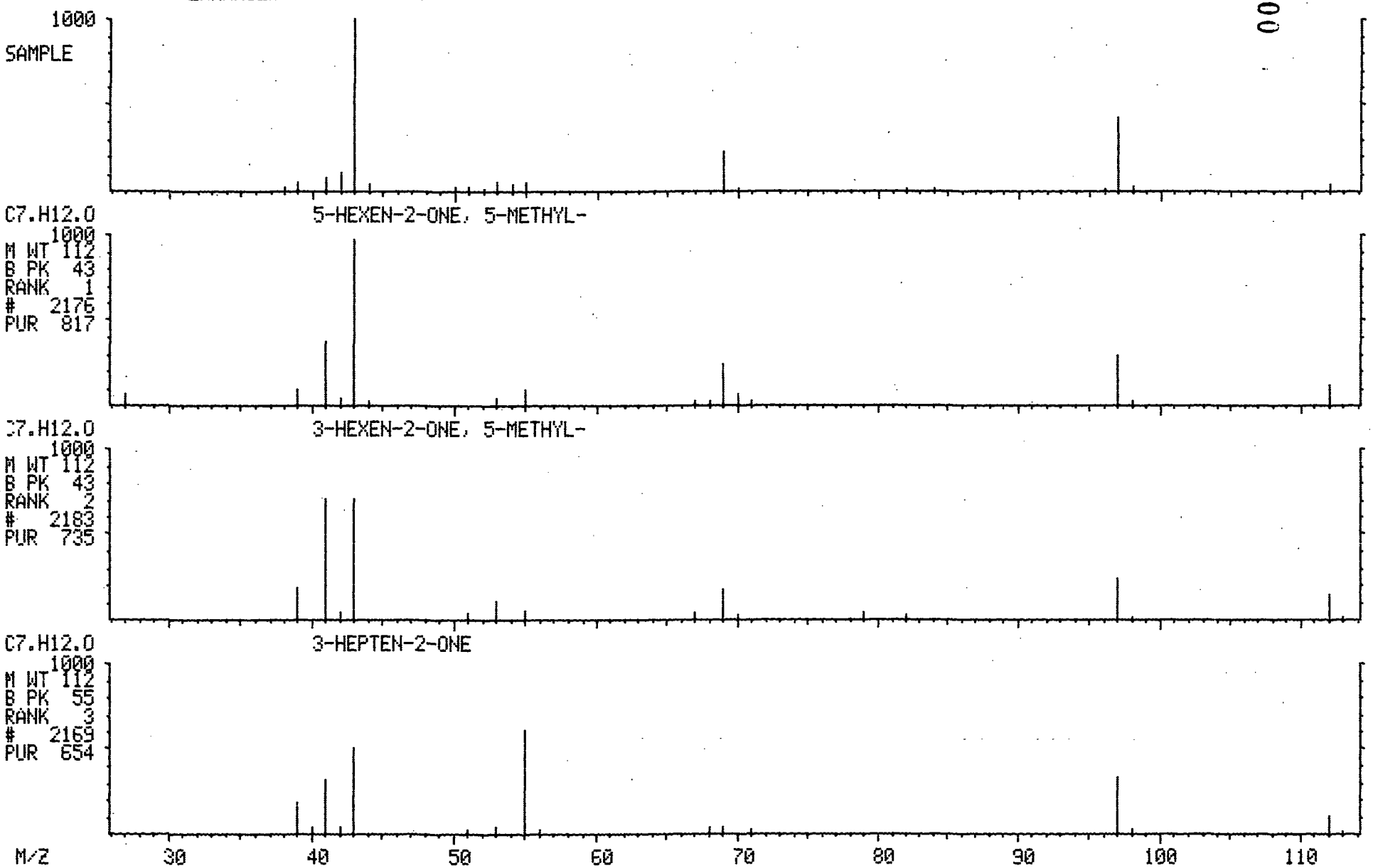
$$\frac{30731}{218080}(c)\left(\frac{1}{.86}\right) = 220.$$

MID LIBRARY SEARCH
06/15/91 1:01:00 + 9:35
SAMPLE: S3 91-13587
CONDS.: MS-B CASE: EOH0022
ENHANCED (S 15B 2N 0T)

DATA: AD22513587 # 596
CALI: AD22513587 # 2

BASE M/Z: 43
RIC: 11327.

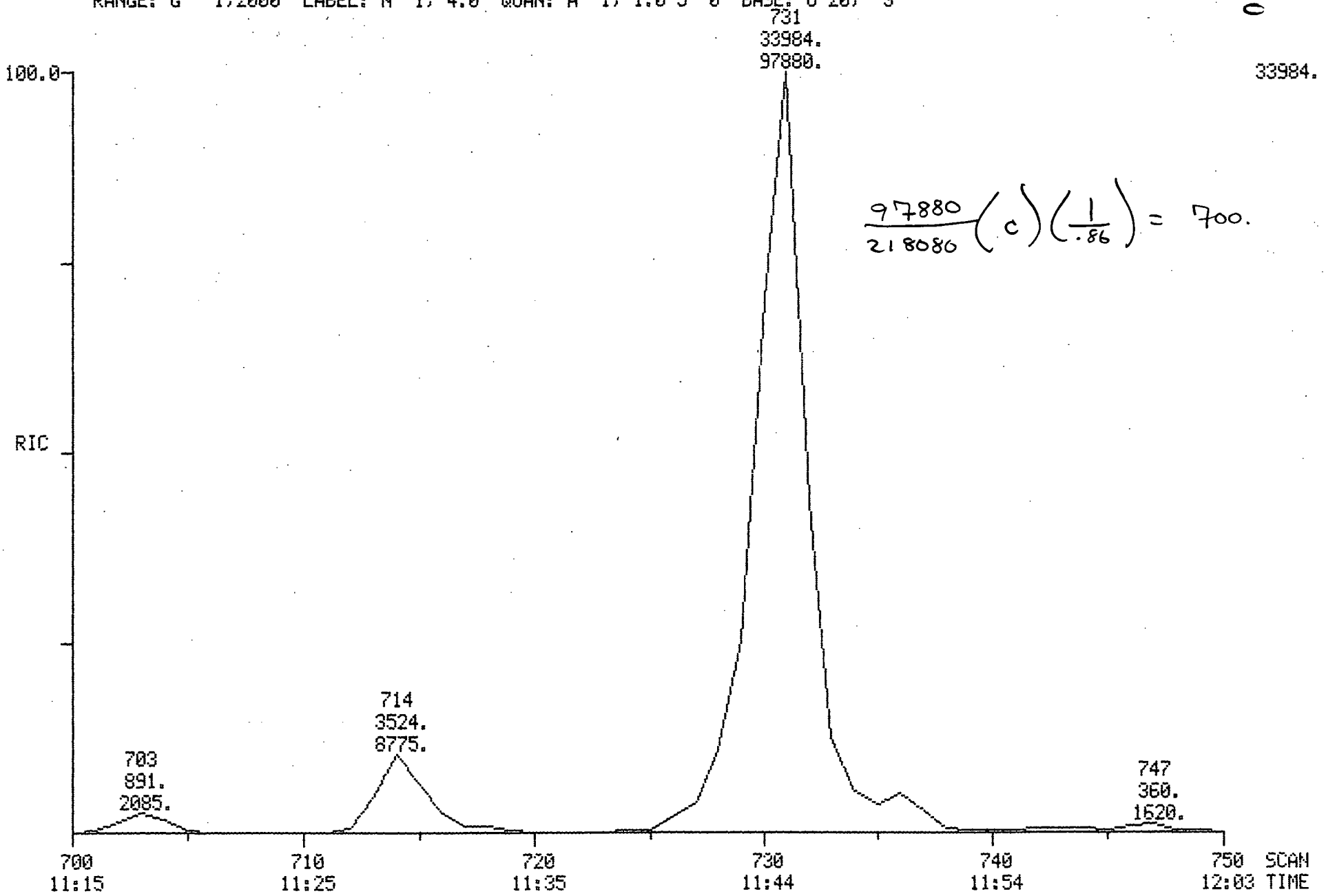
00465



MIDRIC
06/15/91 1:01:00
SAMPLE: S3 91-13587
CONDS.: MS-B CASE: EOH0022
RANGE: G 1,2000 LABEL: N 1, 4.0 QUAN: A 1, 1.0 J 0 BASE: U 20, 3

DATA: AD22513587 #1 SCANS 700 TO 750
CALI: AD22513587 #2

00466

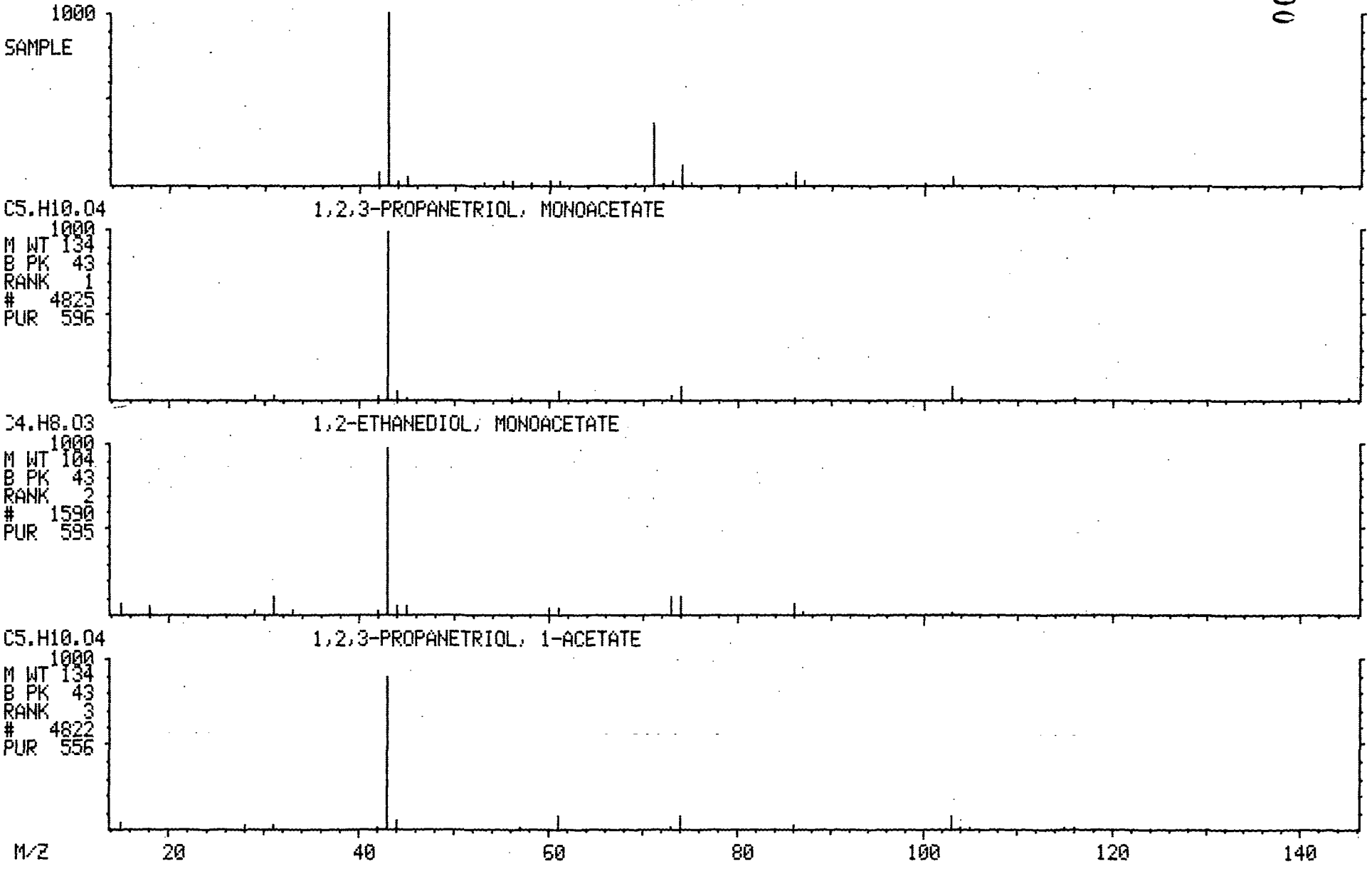


$\frac{97880}{218080}(c)\left(\frac{1}{.86}\right) = 700.$

MID LIBRARY SEARCH
06/15/91 1:01:00 + 11:45
SAMPLE: S3 91-13587
CONDS.: MS-B CASE: EOH0022
ENHANCED (S 15B 2N 0T)

DATA: AD22513587 # 731 BASE M/Z: 43
CALI: AD22513587 # 2 RIC: 27679.

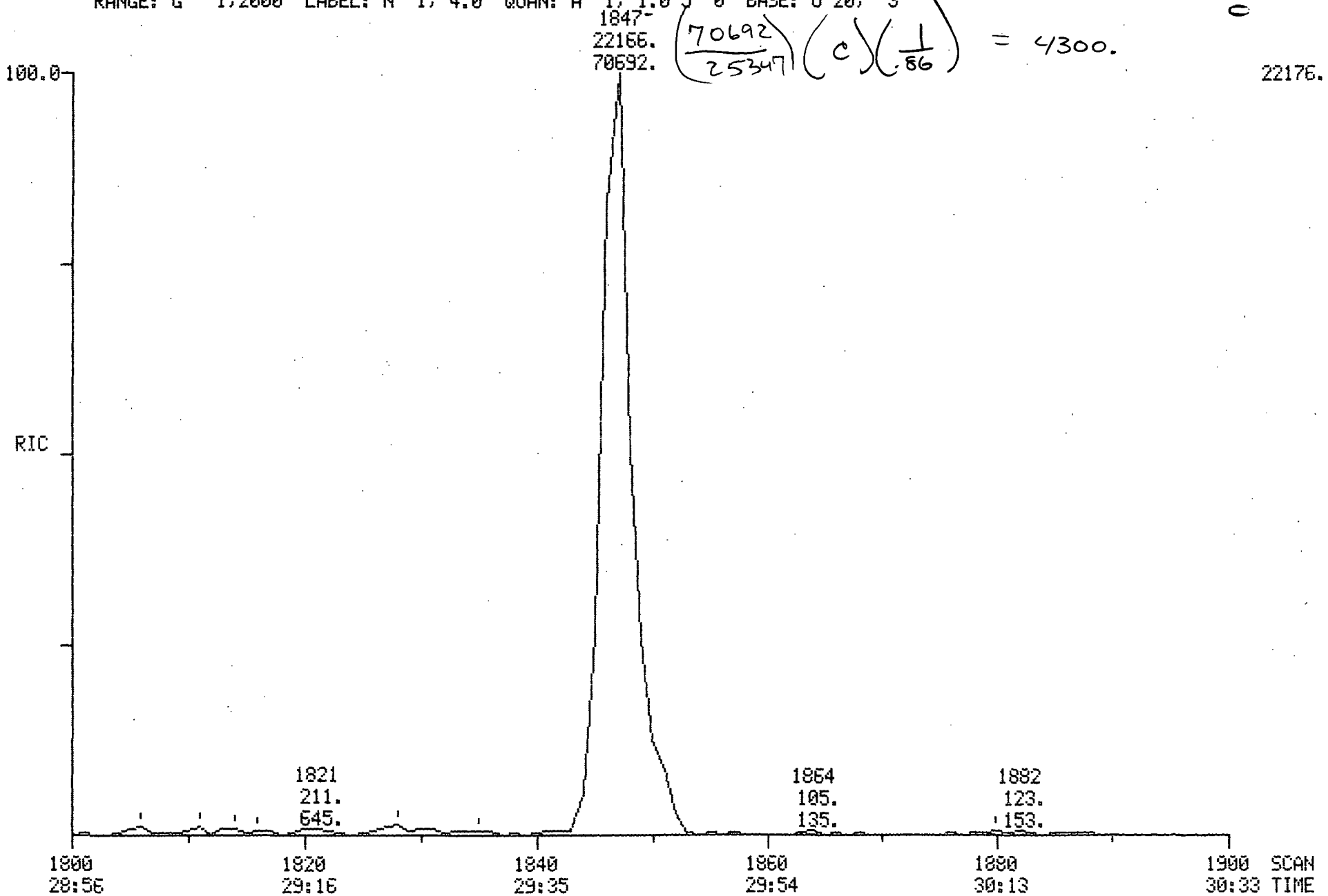
00467



MIDRIC
06/15/91 1:01:00
SAMPLE: S3 91-13587
CONDS.: MS-B CASE: EOH0022
RANGE: G 1,2000 LABEL: N 1, 4.0 QUAN: A 1, 1.0 J 0 BASE: U 20, 3

DATA: AD22513587 #1 SCANS 1800 TO 1900
CALI: AD22513587 #2

00468

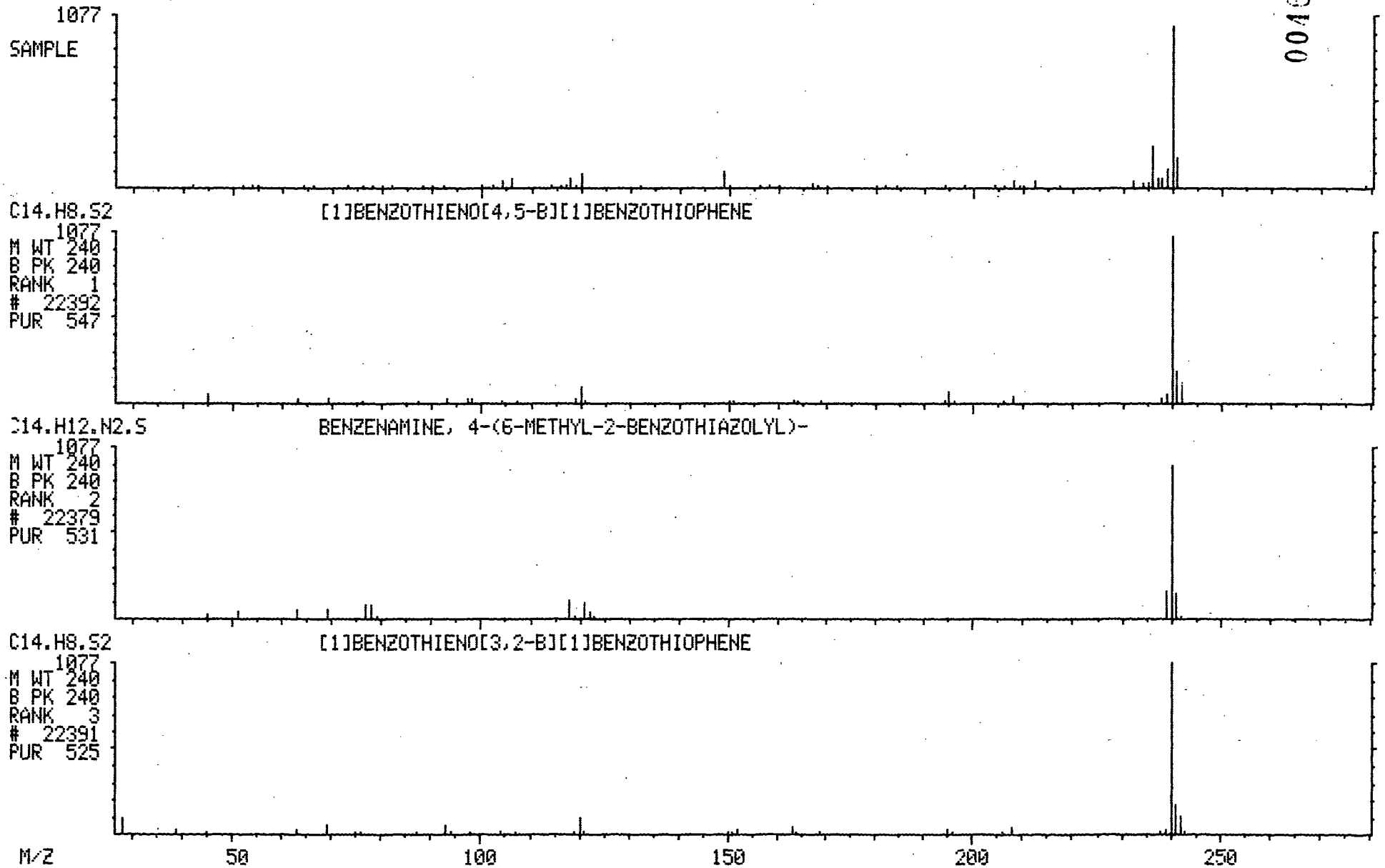


MID LIBRARY SEARCH
06/15/91 1:01:00 + 29:42
SAMPLE: S3 91-13587
CONDS.: MS-B CASE: EOH0022
ENHANCED (S 15B 2N 0T)

DATA: AD22513587 #1847
CALI: AD22513587 # 2

BASE M/Z: 240
RIC: 18719.

00469



SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S4

Lab Name: DATACHEM LABS Contract: 19005

Lab Code: DATAC Case No.: E0H002 2 SAS No.: _____ SDG No.: 13585

Matrix: (soil/water) SOIL Lab Sample ID: 91-13588

Sample wt/vol: 30 (g/mL) G Lab File ID: AD32S13588

Level: (low/med) LOW Date Received: 06/07/91

% Moisture: not dec. _____ dec. 24. Date Extracted: 06/14/91

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 06/15/91

GPC Cleanup: (Y/N) N pH: 5.0 Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	430.	u
111-44-4	bis(2-Chloroethyl)ether	430.	u
95-57-8	2-Chlorophenol	430.	u
541-73-1	1,3-Dichlorobenzene	430.	u
106-46-7	1,4-Dichlorobenzene	430.	u
100-51-6	Benzyl alcohol	430.	u
95-50-1	1,2-Dichlorobenzene	430.	u
95-48-7	2-Methylphenol	430.	u
108-60-1	bis(2-Chloroisopropyl)ether	430.	u
106-44-5	4-Methylphenol	430.	u
621-64-7	N-Nitroso-di-n-propylamine	430.	u
67-72-1	Hexachloroethane	430.	u
98-95-3	Nitrobenzene	430.	u
78-59-1	Isophorone	430.	u
88-75-5	2-Nitrophenol	430.	u
105-67-9	2,4-Dimethylphenol	430.	u
65-85-0	Benzoic acid	2100.	u
111-91-1	bis(2-Chloroethoxy)methane	430.	u
120-83-2	2,4-Dichlorophenol	430.	u
120-82-1	1,2,4-Trichlorobenzene	430.	u
91-20-3	Naphthalene	430.	u
106-47-8	4-Chloroaniline	430.	u
87-68-3	Hexachlorobutadiene	430.	u
59-50-7	4-Chloro-3-methylphenol	430.	u
91-57-6	2-Methylnaphthalene	430.	u
77-47-4	Hexachlorocyclopentadiene	430.	u
88-06-2	2,4,6-Trichlorophenol	430.	u
95-95-4	2,4,5-Trichlorophenol	2100.	u
91-58-7	2-Chloronaphthalene	430.	u
88-74-4	2-Nitroaniline	2100.	u
131-11-3	Dimethylphthalate	430.	u
208-96-8	Acenaphthylene	430.	u
606-20-2	2,6-Dinitrotoluene	430.	u

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S4

Lab Name: DATACHEM LABS Contract: 19005

Lab Code: DATAC Case No.: EOH0022 SAS No.: _____ SDG No.: 13585

Matrix: (soil/water) SOIL Lab Sample ID: 91-13588

Sample wt/vol: 30 (g/mL) G Lab File ID: AD32S13588

Level: (low/med) LOW Date Received: 06/07/91

% Moisture: not dec. _____ dec. 24. Date Extracted: 06/14/91

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 06/15/91

GPC Cleanup: (Y/N) N pH: 5.0 Dilution Factor: 1.0

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

CAS NO.	COMPOUND		Q
99-09-2	3-Nitroaniline	2100.	u
83-32-9	Acenaphthene	430.	u
51-28-5	2,4-Dinitrophenol	2100.	u
100-02-7	4-Nitrophenol	2100.	u
132-64-9	Dibenzofuran	430.	u
121-14-2	2,4-Dinitrotoluene	430.	u
84-66-2	Diethylphthalate	430.	u
7005-72-3	4-Chlorophenyl-phenylether	430.	u
86-73-7	Fluorene	430.	
100-01-6	4-Nitroaniline	2100.	u
534-52-1	4,6-Dinitro-2-methylphenol	2100.	u
86-30-6	N-Nitrosodiphenylamine (1)	430.	u
101-55-3	4-Bromophenyl-phenylether	430.	u
118-74-1	Hexachlorobenzene	430.	u
87-86-5	Pentachlorophenol	2100.	u
85-01-8	Phenanthrene	230.	J
120-12-7	Anthracene	430.	
84-74-2	Di-n-butylphthalate	430.	
206-44-0	Fluoranthene	530.	
129-00-0	Pyrene	490.	
85-68-7	Butylbenzylphthalate	430.	u
91-94-1	3,3'-Dichlorobenzidine	870.	u
56-55-3	Benzo(a)anthracene	430.	u
218-01-9	Chrysene	290.	J
117-81-7	bis(2-Ethylhexyl)phthalate	440.	B
117-84-0	Di-n-octylphthalate	430.	u
205-99-2	Benzo(b)fluoranthene	490.	
207-08-9	Benzo(k)fluoranthene	430.	u
50-32-8	Benzo(a)pyrene	280.	J
193-39-5	Indeno(1,2,3-cd)pyrene	430.	u
53-70-3	Dibenz(a,h)anthracene	430.	u
191-24-2	Benzo(g,h,i)perylene	430.	u

(1) - Cannot be separated from Diphenylamine

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

S4

Lab Name: DATACHEM LABS Contract: 19005

Lab Code: DATAC Case No.: E040022 SAS No.: _____ SDG No.: 13585

Matrix: (soil/water) SOIL Lab Sample ID: 91-13588

Sample wt/vol: 30 (g/mL) G Lab File ID: AD32S13588

Level: (low/med) LOW Date Received: 06/07/91

% Moisture: not dec. _____ dec. 24. Date Extracted: 06/14/91

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 06/15/91

GPC Cleanup: (Y/N) N pH: 5.0 Dilution Factor: 1.0

Number TICs found: 8

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	ALDOL CONDENSATION PRODUCT	6:38	5600.	AJB
2.	ALDOL CONDENSATION PRODUCT	7:24	59000.	AJB
3.	ALDOL CONDENSATION PRODUCT	8:53	1200.	AJB
4.	BROMO HEXANE ISOMER	9:15	630.	AJ
5.	ALDOL CONDENSATION PRODUCT	9:30	670.	AJ
6.	ALDOL CONDENSATION PRODUCT	10:24	310.	AJ
7.	ALDOL CONDENSATION PRODUCT	11:40	650.	AJ
8.	UNKNOWN P.N.A.	29:37	4600.	J
9.				
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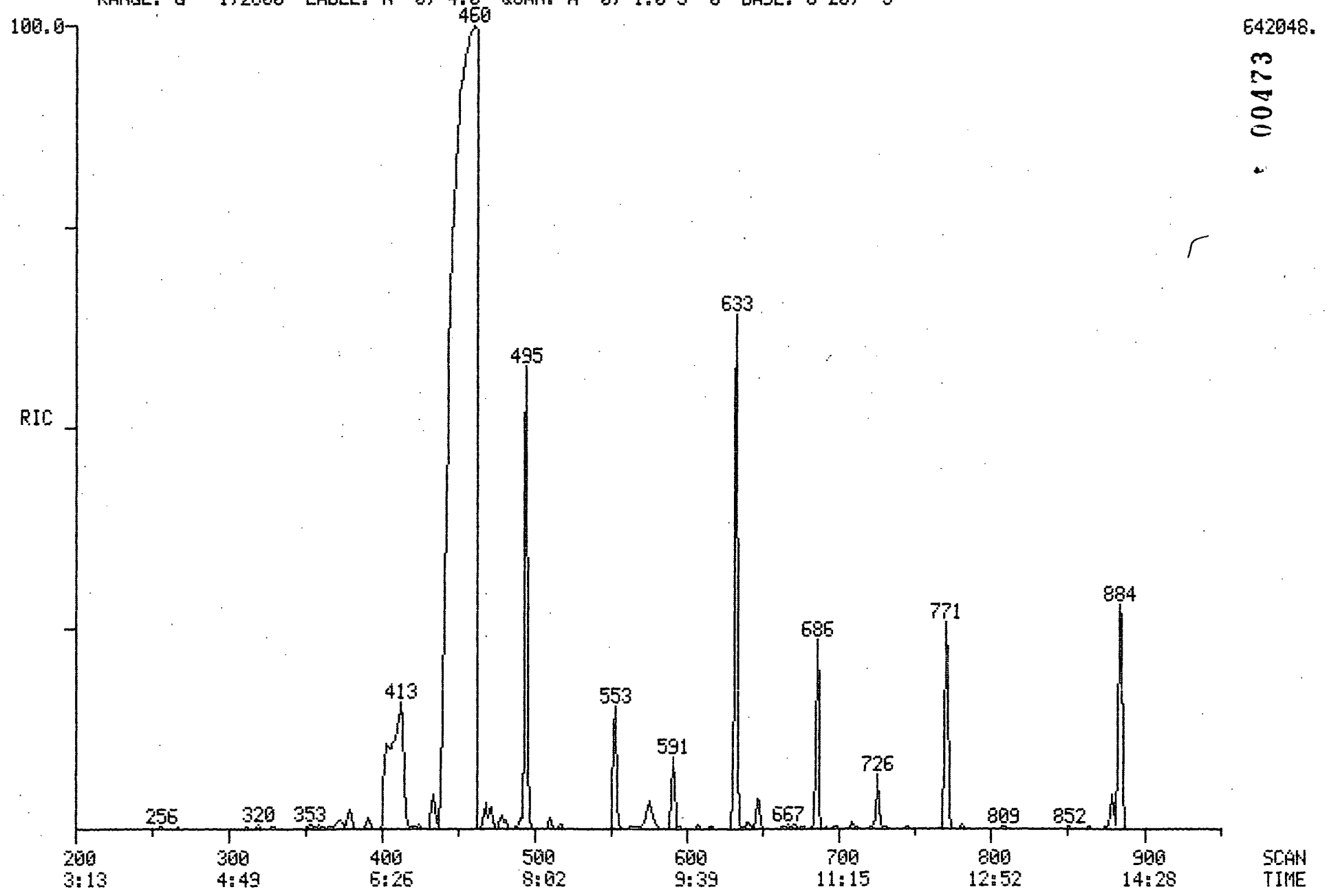
MIDRIC
06/15/91 23:13:00
SAMPLE: S4 91-13588
CONDS.: MS-B CASE: EOH0022
RANGE: G 1,2800 LABEL: N 0, 4.0 QUAN: A 0, 1.0 J 0 BASE: U 20, 3

DATA: AD32S13588 #1 SCANS 200 TO 950
CALI: AD32S13588 #2

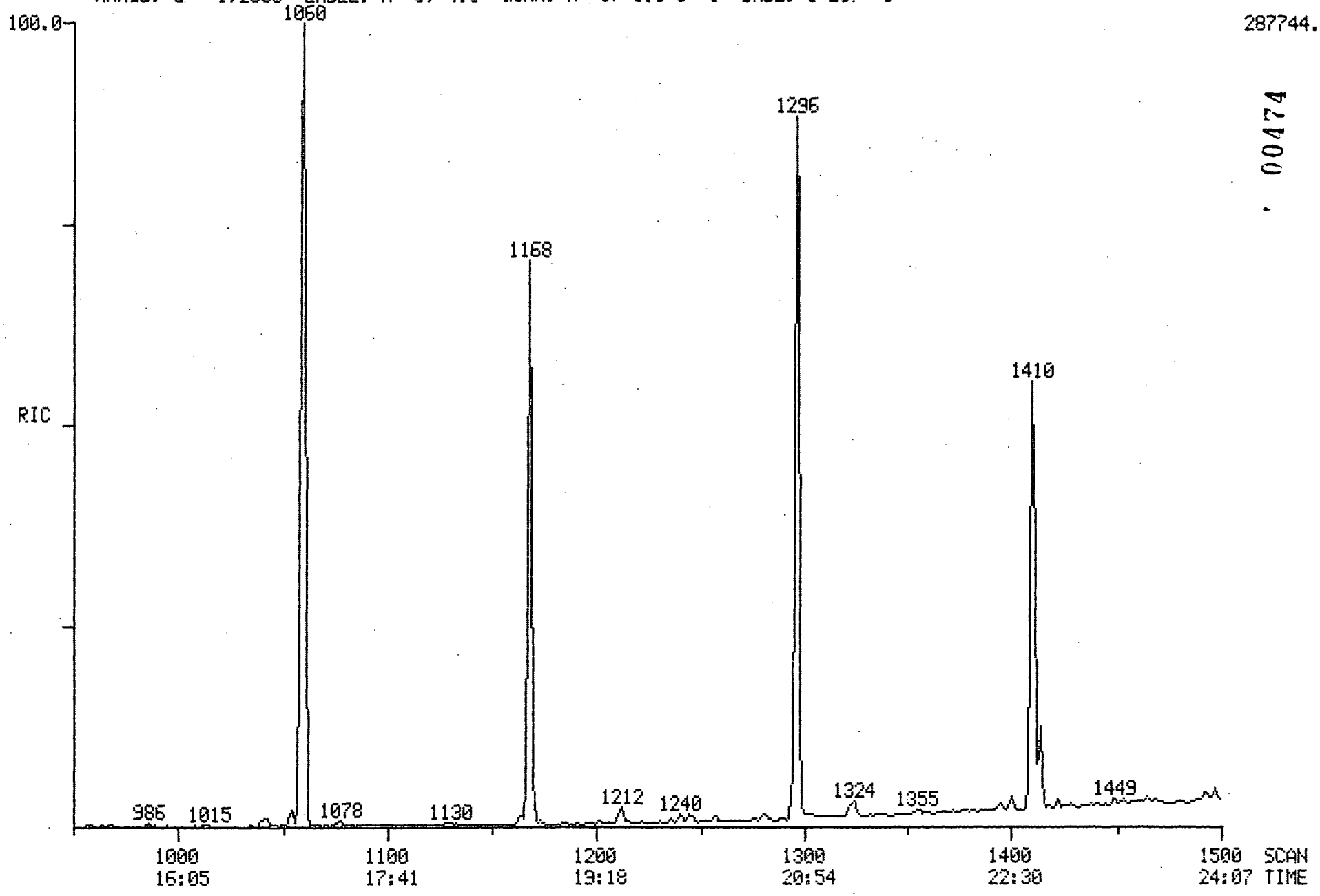
T.J. Masoian
6·17·91



00473

MIDRIC
06/15/91 23:13:00
SAMPLE: S4 91-13588
CONDS.: MS-B CASE: EOH0022
RANGE: G 1,2800 LABEL: N 0, 4.0 QUAN: A 0, 1.0 J 0 BASE: U 20, 3

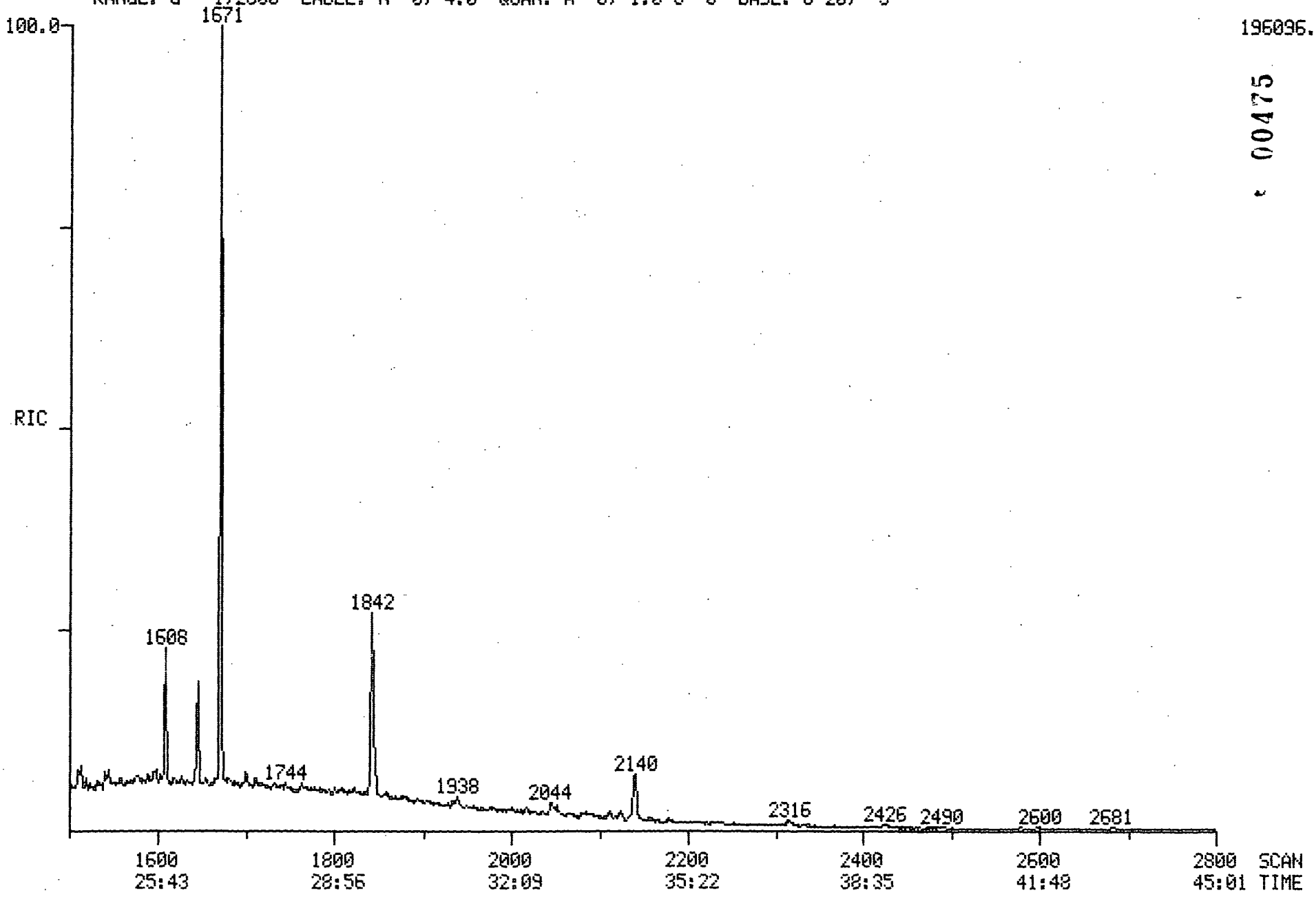
DATA: AD32S13588 #1 SCANS 950 TO 1500
CALI: AD32S13588 #2



00474

MIDRIC
06/15/91 23:13:00
SAMPLE: S4 91-13588
CONDS.: MS-B CASE: EOH0022
RANGE: G 1,2800 LABEL: N 0, 4.0 QUAN: A 0, 1.0 J 0 BASE: U 20, 3

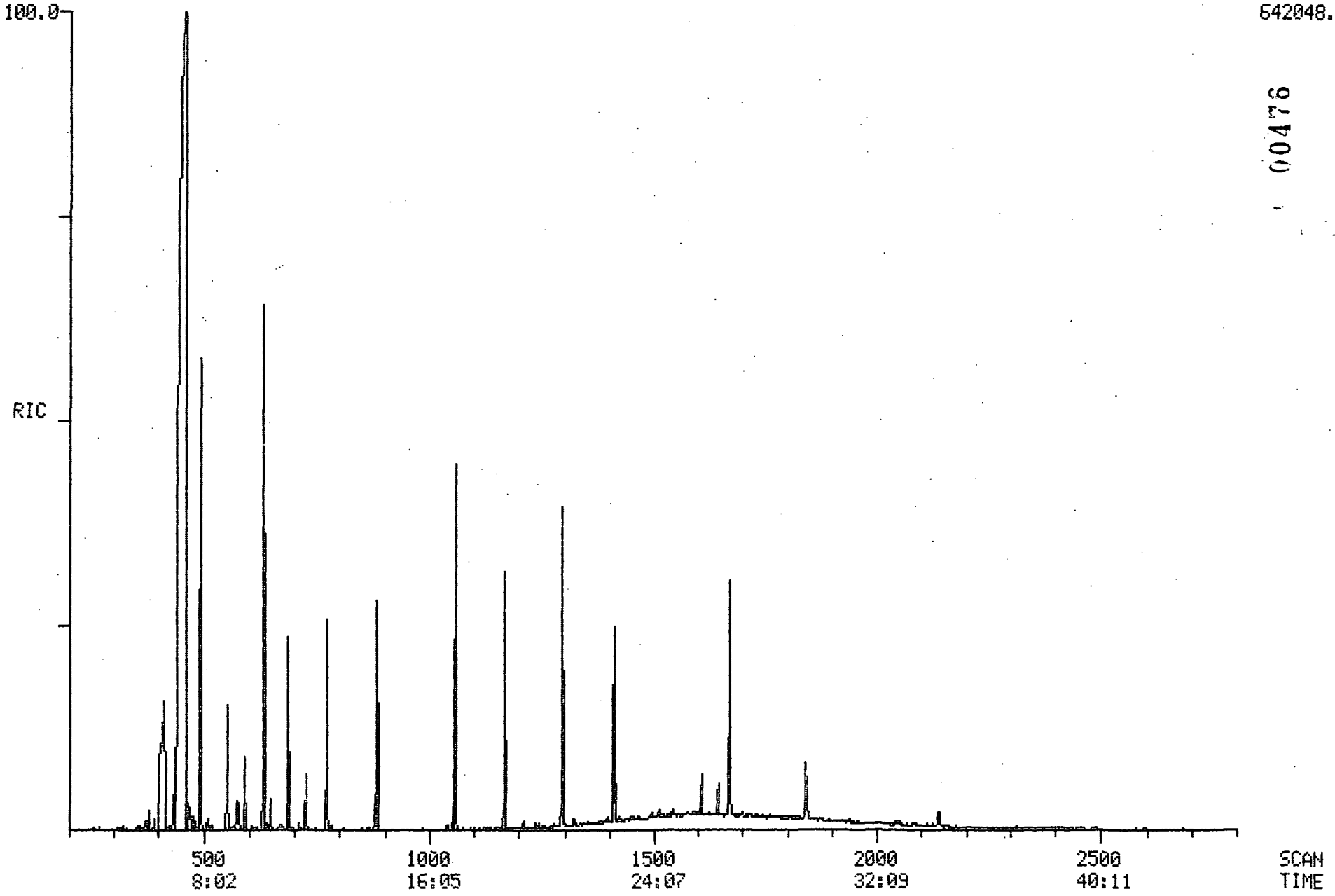
DATA: AD32513588 #1 SCANS 1500 TO 2800
CALI: AD32513588 #2



00475

MIDRIC
06/15/91 23:13:00
SAMPLE: S4 91-13588
CONDS.: MS-B CASE: EOH0022
RANGE: G 1,2800 LABEL: N 0, 4.0 QUAN: A 0, 1.0 J 0 BASE: U 20, 3

DATA: AD32513588 #1 SCANS 200 TO 2800
CALI: AD32513588 #2



00476

PROCEDURE: TCA DIAGNOSTIC REPORT 6/17/91 0:45:22
DATA FILE: AD32S13588
REFERENCE: 82711
NAME LIST: 8270 INITIALIZATION OPTION: 4 PROCESSING OPTION: 3
REPORT: DSISTD

< ---- STANDARDS ----- ><				--- PLUS UNKNOWNS --- ><				- LIST NAMES - >
PROC	USED	POSS	RMS	PROC	USED	POSS	RMS	STANDARD/UNKNOWN
6	5	1	51	12	12	1	142	DSISTD/DSSURR
6	6	1	47	21	6	1	47	DSISTD/82701
6	6	1	47	21	6	1	47	DSISTD/82702
6	6	1	47	21	6	1	47	DSISTD/82703
6	6	1	47	21	6	1	47	DSISTD/82704
6	6	1	47	21	10	1	307	DSISTD/82705
6	6	1	47	21	9	1	198	DSISTD/82706

102 COMPOUNDS PROCESSED, 18 FOUND

< COMPOUND ><			---------- SEARCH ---------- >< SAT >< ------ CHRO -------											
NO	LIB	ENTRY	REF	PRED	SEL	DELTA	PEAKS	FIT	PEAKS	M/Z	TOP	DELTA	PEAKS
1	DS	1	-683	685	686	1	1	978	.	152	686	.	1
2	DS	2	-882	885	884	-1	1	904	.	136	884	.	1
3	DS	3	-1165	1168	1168	.	1	950	.	164	1168	.	1
4	DS	4	-1407	1410	1410	.	1	985	.	188	1410	.	1
5	DS	5	-1839	1843	.	.	.	.	.	240	1842	.	1
6	DS	6	-2136	2140	2140	.	1	915	.	264	2139	-1	1
7	DS	7	-488	491	495	4	1	990	.	112	495	.	1
8	DS	8	-630	633	633	.	1	960	-1	99	633	.	1
9	DS	9	-769	772	771	-1	1	979	.	82	771	.	1
10	DS	10	-1057	1060	1060	.	1	978	.	172	1060	.	1
11	DS	11	-1294	1297	1296	-1	1	964	.	330	1296	.	1
12	DS	12	-1668	1671	1671	.	1	988	.	244	1671	.	1
13	DS	13	-263	265	.	.	.	.	.	42	.	.	.
14	DS	14	-393	395	.	.	.	.	.	93	.	.	.
15	DS	15	-462	464	.	.	.	.	.	80	.	.	.
16	DS	16	-569	571	.	.	.	.	.	79	.	.	.
17	DS	17	-632	634	.	.	.	.	.	94	634	.	1
18	DS	18	-634	636	.	.	.	.	.	93	.	.	.
19	DS	19	-646	648	.	.	.	.	.	93	.	.	.
20	DS	20	-651	653	.	.	.	.	.	128	654	.	1
21	DS	21	-674	676	.	.	.	.	.	146	.	.	.
22	DS	22	-686	688	.	.	.	.	.	146	689	.	1
23	DS	23	-706	708	.	.	.	.	.	108	.	.	.
24	DS	24	-708	710	.	.	.	.	.	146	.	.	.
25	DS	25	-723	725	.	.	.	.	.	108	.	.	.
26	DS	26	-727	729	.	.	.	.	.	45	.	.	.
27	DS	27	-723	725	.	.	.	.	.	108	.	.	.
28	DS	28	-749	751	.	.	.	.	.	70	753	.	1
29	DS	29	-761	764	.	.	.	.	.	117	.	.	.
30	DS	30	-747	749	.	.	.	.	.	105	.	.	.
31	DS	31	-773	776	.	.	.	.	.	77	.	.	.
32	DS	32	-797	800	.	.	.	.	.	42	.	.	.
33	DS	33	-811	814	.	.	.	.	.	82	.	.	.
34	DS	34	-822	825	.	.	.	.	.	139	.	.	.
35	DS	35	-830	833	.	.	.	.	.	122	.	.	.
36	DS	36	-846	849	.	.	.	.	.	93	.	.	.
37	DS	39	-860	863	.	.	.	.	.	127	.	.	.
38	DS	40	-873	876	.	.	.	.	.	180	.	.	.
39	DS	41	-885	888	.	.	.	.	.	128	888	.	1
40	DS	42	-895	898	.	.	.	.	.	127	.	.	.
41	DS	43	-896	899	.	.	.	.	.	162	.	.	.
42	DS	44	-906	909	.	.	.	.	.	225	.	.	.
43	DS	45	-951	954						84			

44	DS	46	-973	976	.	.	.	.	.	107	.	.	.
45	DS	47	-997	1000	.	.	.	.	.	142	999	.	1
46	DS	48	-1024	1027	.	.	.	.	.	216	.	.	.
47	DS	49	-1022	1025	.	.	.	.	.	237	.	.	.
48	DS	50	-1042	1045	.	.	.	.	.	196	.	.	.
49	DS	51	-1048	1051	.	.	.	.	.	196	.	.	.
50	DS	52	-1076	1079	.	.	.	.	.	162	.	.	.
51	DS	53	-1076	1079	.	.	.	.	.	162	.	.	.
52	DS	54	-1093	1096	.	.	.	.	.	65	.	.	.
53	DS	55	-1124	1127	.	.	.	.	.	163	.	.	.
54	DS	56	-1133	1136	.	.	.	.	.	165	.	.	.
55	DS	57	-1142	1145	.	.	.	.	.	152	.	.	.
56	DS	58	-1160	1163	.	.	.	.	.	138	.	.	.
57	DS	59	-1171	1174	.	.	.	.	.	154	1173	.	1
58	DS	60	-1177	1180	.	.	.	.	.	184	.	.	.
59	DS	61	-1187	1190	.	.	.	.	.	139	.	.	.
60	DS	62	-1199	1202	.	.	.	.	.	168	1201	.	1
61	DS	63	-1199	1202	.	.	.	.	.	165	.	.	.
62	DS	64	-1192	1195	.	.	.	.	.	250	.	.	.
63	DS	65	-1212	1215	.	.	.	.	.	143	.	.	.
64	DS	66	-1219	1222	.	.	.	.	.	232	.	.	.
65	DS	67	-1225	1228	.	.	.	.	.	143	.	.	.
66	DS	68	-1239	1242	.	.	.	.	.	149	1240	.	1
67	DS	69	-1256	1259	.	.	.	.	.	204	.	.	.
68	DS	70	-1255	1258	.	.	.	.	.	166	1257	.	1
69	DS	71	-1259	1262	.	.	.	.	.	138	.	.	.
70	DS	72	-1264	1267	.	.	.	.	.	198	.	.	.
71	DS	73	-1276	1279	.	.	.	.	.	169	.	.	.
72	DS	74	-1282	1285	.	.	.	.	.	77	1284	.	1
73	DS	75	-1335	1337	.	.	.	.	.	248	.	.	.
74	DS	76	-1327	1329	.	.	.	.	.	108	.	.	.
75	DS	78	-1344	1346	.	.	.	.	.	284	.	.	.
76	DS	79	-1378	1380	.	.	.	.	.	169	.	.	.
77	DS	81	-1376	1378	.	.	.	.	.	266	.	.	.
78	DS	83	-1388	1390	.	.	.	.	.	173	.	.	.
79	DS	84	-1379	1381	.	.	.	.	.	295	.	.	.
80	DS	85	-1412	1414	1414	.	1	976	.	178	1414	.	1
81	DS	86	-1420	1422	1414	-8	1	906	.	178	1414	.	1
82	DS	89	-1504	1506	.	.	.	.	.	149	1507	.	1
83	DS	92	-1605	1607	1608	1	1	976	.	202	1608	.	1
84	DS	93	-1642	1644	1645	1	1	972	.	202	1645	.	1
85	DS	96	-1627	1629	.	.	.	.	.	184	.	.	.
86	DS	98	-1691	1693	.	.	.	.	.	120	.	.	.
87	DS	103	-1748	1750	.	.	.	.	.	149	1751	.	1
88	DS	108	-1833	1837	.	.	.	.	.	252	.	.	.
89	DS	109	-1837	1841	1846	5	1	917	.	228	1846	.	1
90	DS	110	-1843	1847	1846	-1	1	902	.	228	1846	.	1
91	DS	111	-1840	1844	1843	-1	1	961	.	149	1843	.	1
92	DS	112	-1955	1960	.	.	.	.	.	149	.	.	.
93	DS	113	-2041	2046	.	.	.	.	.	256	.	.	.
94	DS	114	-2042	2047	.	.	.	.	.	252	2045	.	1
95	DS	115	-2049	2054	.	.	.	.	.	252	.	.	.
96	DS	116	-2122	2127	.	.	.	.	.	252	2125	.	1
97	DS	117	-2221	2226	.	.	.	.	.	268	.	.	.
98	DS	118	-2499	2504	.	.	.	.	.	276	.	.	.
99	DS	119	-2500	2505	.	.	.	.	.	278	.	.	.
100	DS	120	-2598	2604	.	.	.	.	.	276	.	.	.
101	DS	128	-2421	2426	.	.	.	.	.	279	.	.	.
102	DS	37	-847	850	.	.	.	.	.	122	851	.	1

Quantitation Report File: AD32S13588

Data: AD32S13588.TI
06/15/91 23:13:00
Sample: S4 91-13588
Conds.: MS-B CASE: EOH0022
Submitted by: Analyst: JOHNSON

AMOUNT=AREA * REF AMNT/(REF AREA * RESP FACT)
Resp. fac. from Library Entry

No	Name
1	ISTD D4-1,4-DICHLOROBENZENE
2	ISTD D-8-NAPHTHALENE
3	ISTD ACENAPHTHENE-D10
4	INTERNAL STANDARD D-10-PHENANTHRENE
5	INTERNAL STANDARD D-12-CHRYSENE
6	ISTD D-12 PERYLENE
7	SURROGATE 2-FLUOROPHENOL
8	SURROGATE D-6-PHENOL
9	SURROGATE D5-NITROBENZENE
10	SURROGATE 2-FLUOROBIPHENYL
11	SURROGATE STANDARD 2,4,6-TRIBROMOPHENOL
12	SURROGATE STANDARD P-TERPHENYL D-14
13	N-NITROSODIMETHYLAMINE
14	2-PICOLINE
15	METHYL METHANESULFONATE
16	ETHYL METHANESULFONATE
17	C315 PHENOL
18	ANILINE
19	BIS(2-CHLOROETHYL)ETHER
20	2-CHLOROPHENOL
21	1,3-DICHLOROBENZENE
22	1,4-DICHLOROBENZENE
23	BENZYL ALCOHOL
24	1,2-DICHLOROBENZENE
25	2-METHYLPHENOL
26	BIS(2-CHLOROISOPROPYL)ETHER
27	4-METHYLPHENOL
28	N-NITROSO-DI-N-PROPYLAMINE
29	HEXACHLOROETHANE
30	ACETOPHENONE
31	NITROBENZENE
32	N-NITROSOPIPERIDINE
33	ISOPHORONE
34	2-NITROPHENOL
35	2,4-DIMETHYLPHENOL
36	BIS(2-CHLOROETHOXY)METHANE
37	2,4-DICHLOROPHENOL
38	1,2,4-TRICHLOROBENZENE
39	NAPHTHALENE
40	4-CHLOROANILINE
41	2,6-DICHLOROPHENOL
42	HEXACHLOROBUTADIENE
43	N-NITROSO-DI-N-BUTYLAMINE
44	4-CHLORO-3-METHYLPHENOL
45	2-METHYL NAPHTHALENE
46	1,2,4,5-TETRACHLOROBENZENE
47	HEXACHLOROCYCLOPENTADIENE
48	2,4,6-TRICHLOROPHENOL
49	2,4,5-TRICHLOROPHENOL
50	2-CHLORONAPHTHALENE

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount	%Tot
1	152	686	11:02	1	1.000	A BB	42073.	40.000 UG	1.00
2	136	884	14:13	2	1.000	A BB	165418.	40.000 UG	1.00
3	164	1168	18:47	3	1.000	A BB	87492.	40.000 UG	1.00
4	188	1410	22:40	4	1.000	A BV	110241.	40.000 UG	1.00
5	240	1842	29:37	5	1.000	A BB	31130.	40.000 UG	1.00
6	264	2139	34:23	6	1.000	A BB	16880.	40.000 UG	1.00
7	112	495	7:57	1	0.722	A BB	205869.	120.825 UG	3.03
8	99	633	10:11	1	0.923	A BV	303381.	117.314 UG	2.94
9	82	771	12:24	2	0.872	A BB	131112.	54.996 UG	1.38
10	172	1060	17:02	3	0.908	A BB	179759.	66.431 UG	1.67
11	330	1296	20:50	3	1.110	A BB	48960.	180.332 UG	4.53
12	244	1671	26:52	5	0.907	A BB	125117.	78.848 UG	1.98
13	NOT FOUND								
14	NOT FOUND								
15	NOT FOUND								
16	NOT FOUND								
~~17~~	~~94~~	~~634~~	~~10:12~~	~~1~~	~~0.924~~	~~A BB~~	~~863.~~	~~0.313 UG~~	~~0.01~~ m)
18	NOT FOUND								
19	NOT FOUND								
~~20~~	~~128~~	~~654~~	~~10:31~~	~~1~~	~~0.953~~	~~A BB~~	~~204.~~	~~0.112 UG~~	~~0.00~~ m)
21	NOT FOUND								
~~22~~	~~146~~	~~687~~	~~11:05~~	~~1~~	~~1.004~~	~~A BB~~	~~150.~~	~~0.082 UG~~	~~0.00~~ m)
23	NOT FOUND								
24	NOT FOUND								
25	NOT FOUND								
26	NOT FOUND								
27	NOT FOUND								
~~28~~	~~70~~	~~753~~	~~12.06~~	~~1~~	~~1.098~~	~~A BB~~	~~173.~~	~~0.089 UG~~	~~0.00~~ m)
29	NOT FOUND								
30	NOT FOUND								
31	NOT FOUND								
32	NOT FOUND								
33	NOT FOUND								
34	NOT FOUND								
35	NOT FOUND								
36	NOT FOUND								
37	NOT FOUND								
38	NOT FOUND								
~~39~~	~~128~~	~~888~~	~~14:17~~	~~2~~	~~1.005~~	~~A BB~~	~~456.~~	~~0.093 UG~~	~~0.00~~ m)
40	NOT FOUND								
41	NOT FOUND								
42	NOT FOUND								
43	NOT FOUND								
44	NOT FOUND								
~~45~~	~~142~~	~~999~~	~~16:04~~	~~2~~	~~1.130~~	~~A BB~~	~~206.~~	~~0.067 UG~~	~~0.00~~ m)
46	NOT FOUND								
47	NOT FOUND								
48	NOT FOUND								
49	NOT FOUND								
50	NOT FOUND								

No	Ret(L)	Ratio	RRT(L)	Ratio	Amnt	Amnt(L)	R.Fac	R.Fac(L)	Ratio
1	10:59	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
2	14:11	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
3	18:44	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
4	22:37	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
5	29:34	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
6	34:20	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
7	7:51	1.01	0.714	1.01	120.83	50.00	3.915	1.620	2.42
8	10:08	1.00	0.922	1.00	117.31	50.00	5.769	2.459	2.35
9	12:22	1.00	0.872	1.00	55.00	50.00	0.634	0.576	1.10
10	17:00	1.00	0.907	1.00	66.43	50.00	1.644	1.237	1.33
11	20:48	1.00	1.111	1.00	180.33	50.00	0.448	0.124	3.61
12	26:49	1.00	0.907	1.00	78.85	50.00	3.215	2.039	1.58
13	4:14		0.385						

14	6:19		0.575						
15	7:26		0.676						
16	9:09		0.833						
17	10:10	1.00	0.925	1.00	0.31	50.00	0.016	2.623	0.01
18	10:12		0.928						
19	10:23		0.946						
20	10:28	1.00	0.953	1.00	0.11	50.00	0.004	1.732	0.00
21	10:50		0.987						
22	11:02	1.00	1.004	1.00	0.08	50.00	0.003	1.740	0.00
23	11:21		1.034						
24	11:23		1.037						
25	11:37		1.059						
26	11:41		1.064						
27	11:37		1.059						
28	12:02	1.01	1.097	1.00	0.09	50.00	0.004	2.065	0.00
29	12:14		1.114						
30	12:01		0.847						
31	12:26		0.876						
32	12:49		0.904						
33	13:02		0.920						
34	13:13		0.932						
35	13:21		0.941						
36	13:36		0.959						
37	13:50		0.975						
38	14:02		0.990						
39	14:14	1.00	1.003	1.00	0.09	50.00	0.002	1.179	0.00
40	14:23		1.015						
41	14:24		1.016						
42	14:34		1.027						
43	15:17		1.078						
44	15:39		1.103						
45	16:02	1.00	1.130	1.00	0.07	50.00	0.001	0.742	0.00
46	16:28		0.879						
47	16:26		0.877						
48	16:45		0.894						
49	16:51		0.900						
50	17:18		0.924						

Quantitation Report File: AD32S13588

Data: AD32S13588.TI
06/15/91 23:13:00
Sample: S4 91-13588
Conds.: MS-B CASE: EOH0022
Submitted by: Analyst: JOHNSON

AMOUNT=AREA * REF AMNT/(REF AREA * RESP FACT)
Resp. fac. from Library Entry

No	Name
51	1-CHLORONAPHTHALENE
52	2-NITROANILINE
53	DIMETHYL PHTHALATE
54	2,6-DINITROTOLUENE
55	ACENAPHTHYLENE
56	3-NITROANILINE
57	ACENAPHTHENE
58	2,4-DINITROPHENOL
59	4-NITROPHENOL
60	DIBENZOFURAN
61	2,4-DINITROTOLUENE
62	PENTACHLOROBENZENE
63	1-NAPHTHYLAMINE
64	2,3,4,6-TETRACHLOROPHENOL
65	2-NAPHTHYLAMINE
66	DIETHYL PHTHALATE
67	4-CHLOROPHENYL PHENYL ETHER
68	FLUORENE
69	4-NITROANILINE
70	4,6-DINITRO-2-METHYLPHENOL
71	N-NITROSODIPHENYLAMINE
72	1,2-DIPHENYLHYDRAZINE
73	4-BROMOPHENYL PHENYL ETHER
74	PHENACETIN
75	HEXACHLOROBENZENE
76	4-AMINOBIPHENYL
77	PENTACHLOROPHENOL
78	PRONAMIDE (PROPYZAMIDE)
79	PENTACHLORONITROBENZENE
80	PHENANTHRENE
81	ANTHRACENE
82	DI-N-BUTYL PHTHALATE
83	FLUORANTHENE
84	PYRENE
85	BENZIDINE
86	P-DIMETHYLAMINOAZOBENZENE
87	BUTYL BENZYL PHTHALATE
88	3,3'-DICHLOROBENZIDINE
89	BENZO(A)ANTHRACENE
90	CHRYSENE
91	BIS(2-ETHYLHEXYL)PHTHALATE
92	DI-N-OCTYL PHTHALATE
93	7,12-DIMETHYLBENZ(A)ANTHRACENE
94	BENZO(B)FLUORANTHENE
95	BENZO(K)FLUORANTHENE
96	BENZO(A)PYRENE
97	3-METHYLCHOLANTHRENE
98	INDENO (1,2,3-CD)PYRENE
99	DIBENZ(A,H)ANTHRACENE
100	BENZO (G,H,I)PERYLENE

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount	%Tot
51	NOT FOUND								
52	NOT FOUND								
53	NOT FOUND								
54	NOT FOUND								
55	NOT FOUND								
56	NOT FOUND								
~~57~~	~~154~~	~~1173~~	~~18:51~~	~~3~~	~~1.004~~	~~A BB~~	~~746.~~	~~0.287 UG~~	~~0.01~~
58	NOT FOUND								
59	NOT FOUND								
~~60~~	~~168~~	~~1201~~	~~19:18~~	~~3~~	~~1.028~~	~~A BB~~	~~852.~~	~~0.231 UG~~	~~0.01~~
61	NOT FOUND								
62	NOT FOUND								
63	NOT FOUND								
64	NOT FOUND								
65	NOT FOUND								
66	149	1240	19:56	3	1.062	A BB	2258.	0.714 UG	0.02
67	NOT FOUND								
~~68~~	~~166~~	~~1257~~	~~20:12~~	~~3~~	~~1.076~~	~~A BB~~	~~1337.~~	~~0.472 UG~~	~~0.01~~
69	NOT FOUND								
70	NOT FOUND								
71	NOT FOUND								
~~72~~	~~77~~	~~1284~~	~~20:39~~	~~4~~	~~0.911~~	~~A BV~~	~~438.~~	~~0.065 UG~~	~~0.00~~
73	NOT FOUND								
74	NOT FOUND								
75	NOT FOUND								
76	NOT FOUND								
77	NOT FOUND								
78	NOT FOUND								
79	NOT FOUND								
80	178	1414	22:44	4	1.003	A BV	22414.	5.141 UG	0.13
~~81~~	~~178~~	~~1414~~	~~22:44~~	~~4~~	~~1.003~~	~~A BV~~	~~22414.~~	~~5.141 UG~~	~~0.13~~
~~82~~	~~149~~	~~1507~~	~~24:14~~	~~4~~	~~1.089~~	~~A BB~~	~~677.~~	~~0.157 UG~~	~~0.00~~
83	202	1608	25:51	4	1.140	A BV	28233.	12.195 UG	0.31
84	202	1645	26:27	5	0.893	A BB	21627.	11.269 UG	0.28
85	NOT FOUND								
86	NOT FOUND								
~~87~~	~~149~~	~~1751~~	~~28:09~~	~~5~~	~~0.951~~	~~A BB~~	~~194.~~	~~0.357 UG~~	~~0.01~~
88	NOT FOUND								
~~89~~	~~228~~	~~1846~~	~~29:41~~	~~5~~	~~1.002~~	~~A VB~~	~~5913.~~	~~6.693 UG~~	~~0.17~~
90	228	1846	29:41	5	1.002	A VB	5913.	6.556 UG	0.16
91	149	1843	29:38	5	1.001	A BB	7924.	10.123 UG	0.25
92	NOT FOUND								
93	NOT FOUND								
94	252	2045	32:53	6	0.956	A BB	7105.	11.150 UG	0.28
95	NOT FOUND								
96	252	2125	34:10	6	0.993	A BB	3084.	6.410 UG	0.16
97	NOT FOUND								
98	NOT FOUND								
99	NOT FOUND								
100	NOT FOUND								

No	Ret(L)	Ratio	RRT(L)	Ratio	Amnt	Amnt(L)	R.Fac	R.Fac(L)	Ratio
51	17:18		0.924						
52	17:34		0.938						
53	18:04		0.965						
54	18:13		0.973						
55	18:22		0.980						
56	18:39		0.996						
57	18:50	1.00	1.005	1.00	0.29	50.00	0.007	1.187	0.01
58	18:55		1.010						
59	19:05		1.019						
60	19:17	1.00	1.029	1.00	0.23	50.00	0.008	1.688	0.00
61	19:17		1.029						
62	19:10		1.023						
63	19:29		1.040						

00483

64	19:36		1.046						
65	19:42		1.052						
66	19:55	1.00	1.064	1.00	0.71	50.00	0.021	1.446	0.01
67	20:12		1.078						
68	20:11	1.00	1.077	1.00	0.47	50.00	0.012	1.295	0.01
69	20:14		1.081						
70	20:19		0.898						
71	20:31		0.907						
72	20:37	1.00	0.911	1.00	0.07	50.00	0.003	2.426	0.00
73	21:28		0.949						
74	21:20		0.943						
75	21:36		0.955						
76	22:09		0.979						
77	22:07		0.978						
78	22:19		0.986						
79	22:10		0.980						
80	22:42	1.00	1.004	1.00	5.14	50.00	0.163	1.582	0.10
81	22:50	1.00	1.009	0.99	5.14	50.00	0.163	1.582	0.10
82	24:11	1.00	1.069	1.00	0.16	50.00	0.005	1.568	0.00
83	25:48	1.00	1.141	1.00	12.20	50.00	0.205	0.840	0.24
84	26:24	1.00	0.893	1.00	11.27	50.00	0.556	2.466	0.23
85	26:09		0.885						
86	27:11		0.920						
87	28:06	1.00	0.951	1.00	0.36	50.00	0.005	0.697	0.01
88	29:28		0.997						
89	29:32	1.00	0.999	1.00	6.69	50.00	0.152	1.135	0.13
90	29:38	1.00	1.002	1.00	6.56	50.00	0.152	1.159	0.13
91	29:35	1.00	1.001	1.00	10.12	50.00	0.204	1.006	0.20
92	31:26		0.915						
93	32:49		0.956						
94	32:50	1.00	0.956	1.00	11.15	50.00	0.337	1.510	0.22
95	32:56		0.959						
96	34:07	1.00	0.993	1.00	6.41	50.00	0.146	1.140	0.13
97	35:42		1.040						
98	40:11		1.170						
99	40:11		1.170						
100	41:46		1.216						

Quantitation Report File: AD32S13588

Data: AD32S13588.TI
06/15/91 23:13:00
Sample: S4 91-13588
Conds.: MS-B CASE: EOH0022
Submitted by: Analyst: JOHNSON

AMOUNT=AREA * REF AMNT/(REF AREA * RESP FACT)
Resp. fac. from Library Entry

No	Name
101	DIBENZ(A,J)ACRIDINE
102	BENZOIC ACID

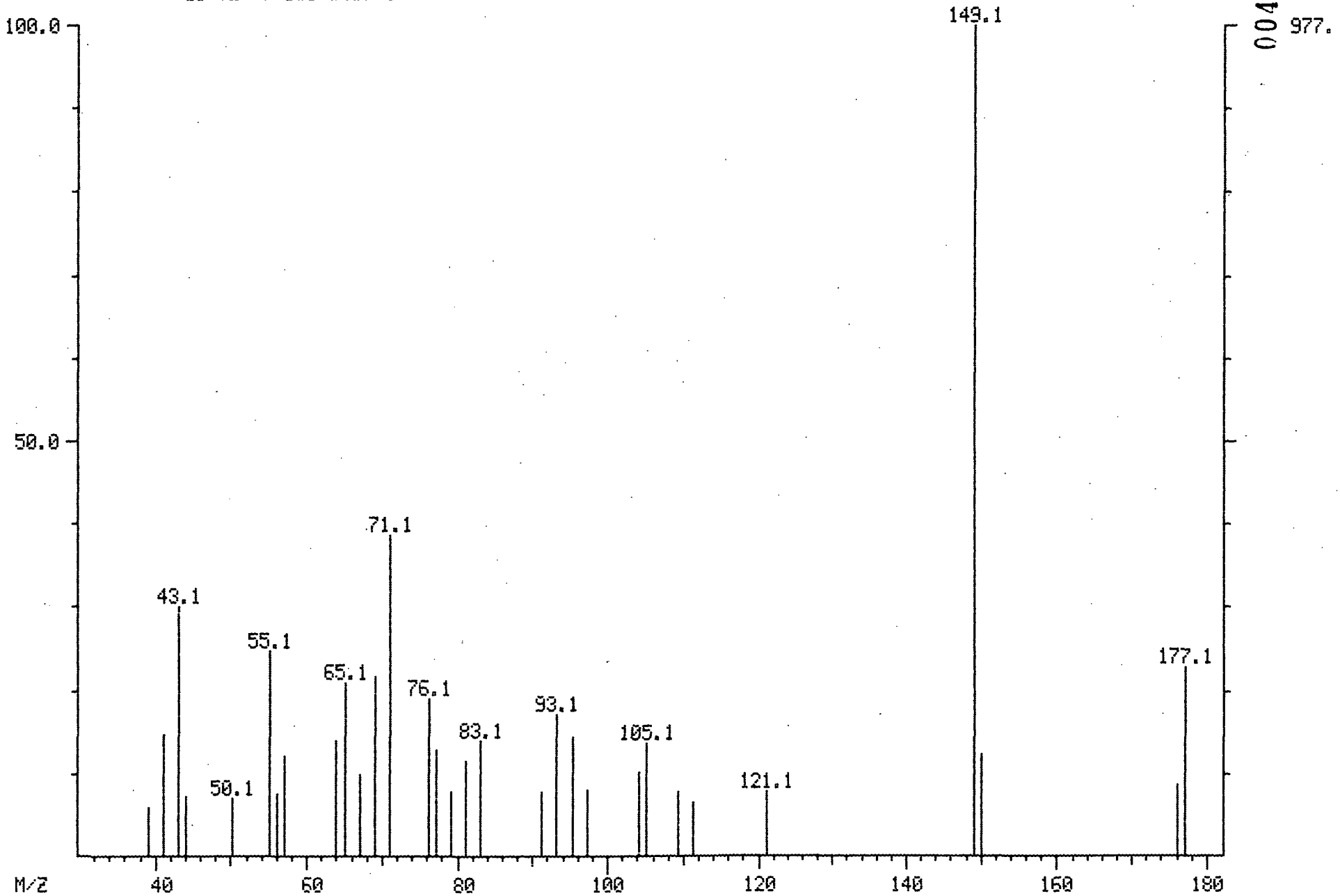
No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount	%Tot
101	NOT FOUND								
~~102~~	~~122~~	~~851~~	~~13:41~~	~~2~~	~~0.963~~	~~A BB~~	~~112.~~	~~8.197 UG~~	~~0.21~~

No	Ret(L)	Ratio	RRT(L)	Ratio	Amnt	Amnt(L)	R.Fac	R.Fac(L)	Ratio
101	38:55		1.133						
102	13:37	1.00	0.960	1.00	8.20	50.00	0.001	0.003	0.16

MID MASS SPECTRUM
06/15/91 23:13:00 + 19:56
SAMPLE: S4 91-13588
CONDS.: MS-B CASE: EOH0022
GC TEMP: 200 DEG. C

DATA: AD32513588 #1240
CALI: AD32513588 #2

BASE M/Z: 149
RIC: 5072.

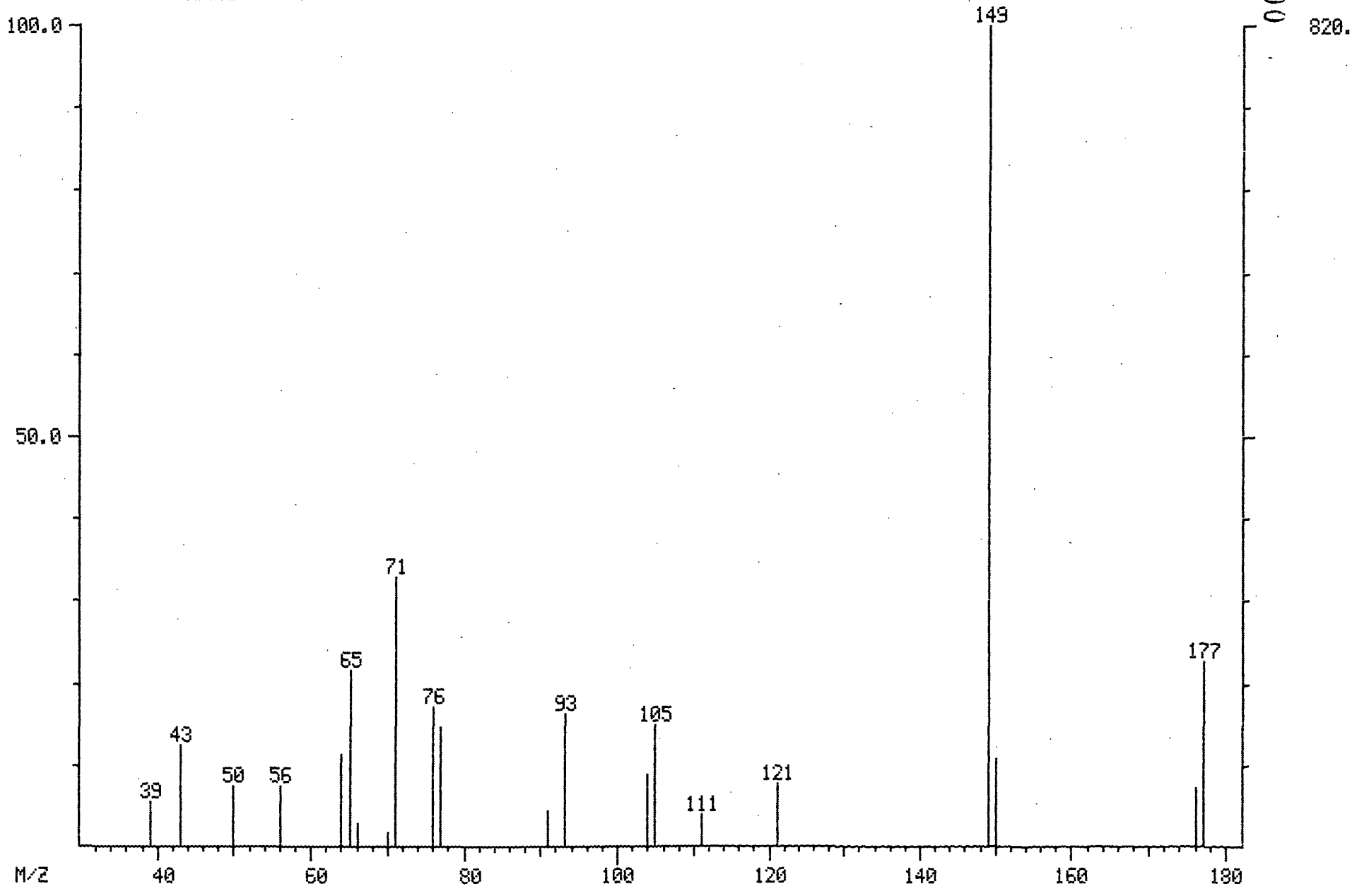


004486

MID MASS SPECTRUM
06/15/91 23:13:00 + 19:56
SAMPLE: S4 91-13588
CONDS.: MS-B CASE: EOH0022
GC TEMP: 200 DEG. C
ENHANCED (S 15B 2N 0T)

DATA: AD32513588 #1240
CALI: AD32513588 #2

BASE M/Z: 149
RIC: 2724.



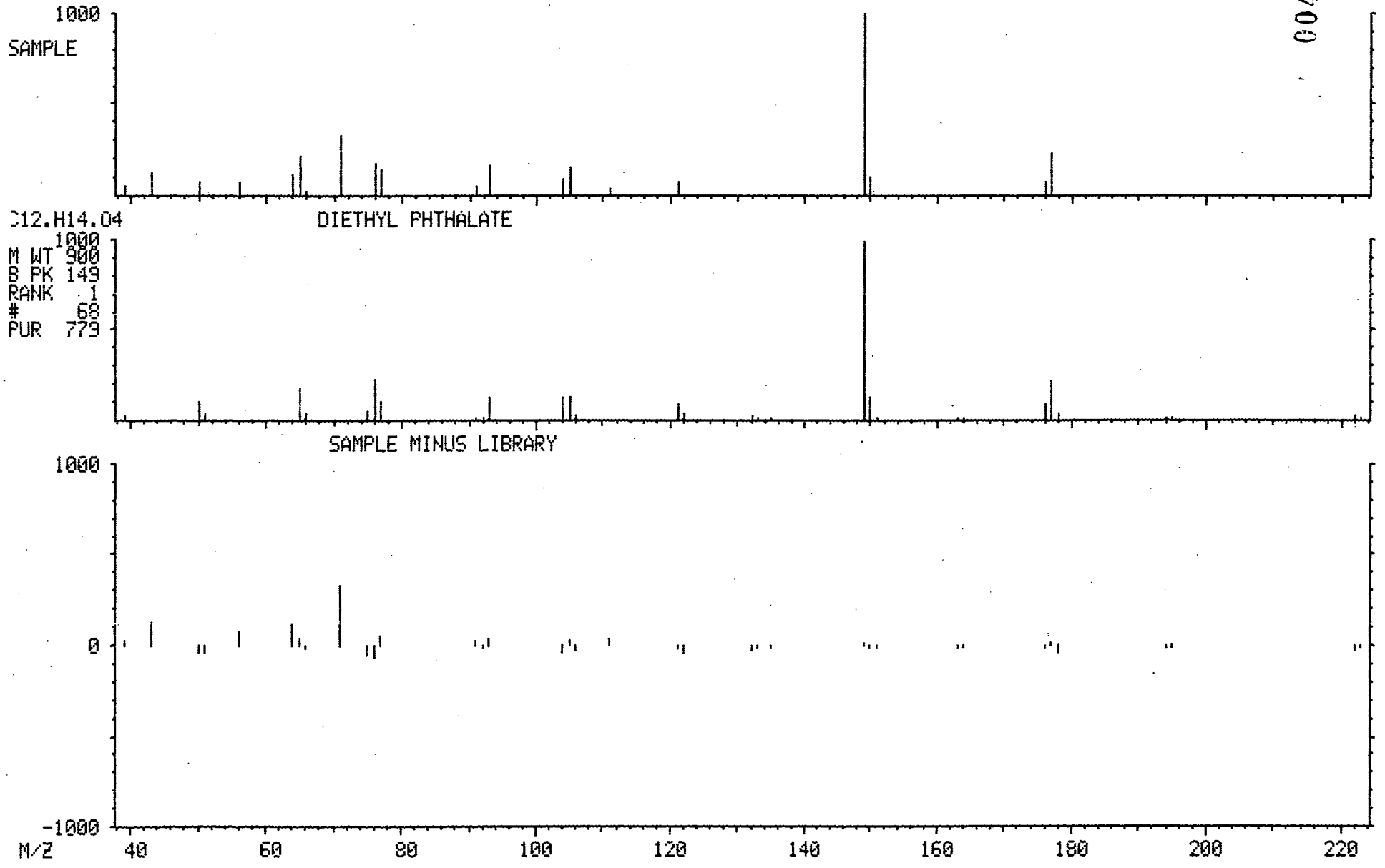
004457

MID LIBRARY SEARCH
06/15/91 23:13:00 + 19:56
SAMPLE: S4 91-13588
CONDS.: MS-B CASE: EOH0022
ENHANCED (S 15B 2N 0T)

DATA: AD32S13588 #1240
CALI: AD32S13588 # 2

BASE M/Z: 149
RIC: 2711.

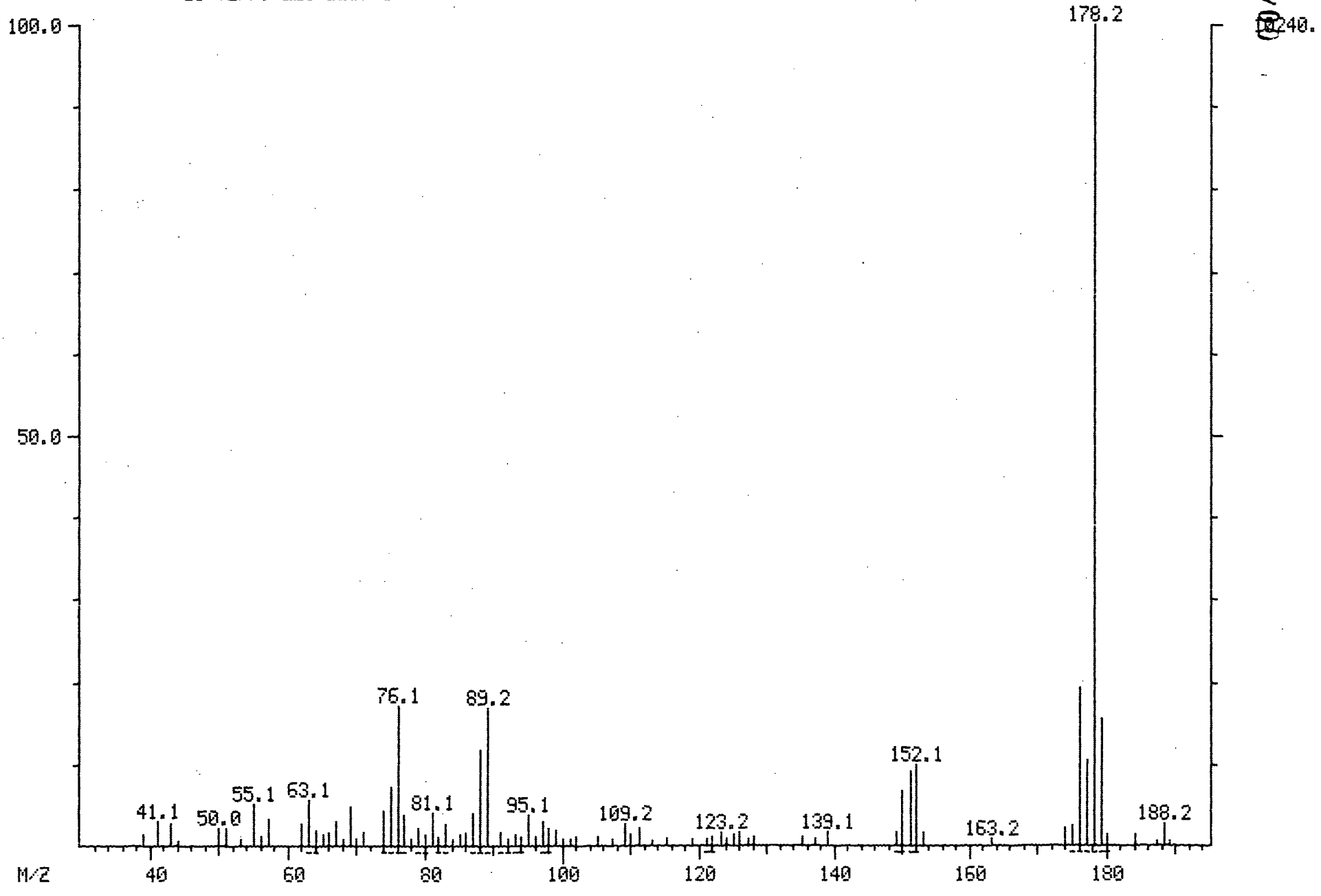
00488



MID MASS SPECTRUM
06/15/91 23:13:00 + 22:44
SAMPLE: S4 91-13588
CONDS.: MS-B CASE: EOH0022
GC TEMP: 228 DEG. C

DATA: AD32513588 #1414
CALI: AD32513588 #2

BASE M/Z: 178
RIC: 36608.



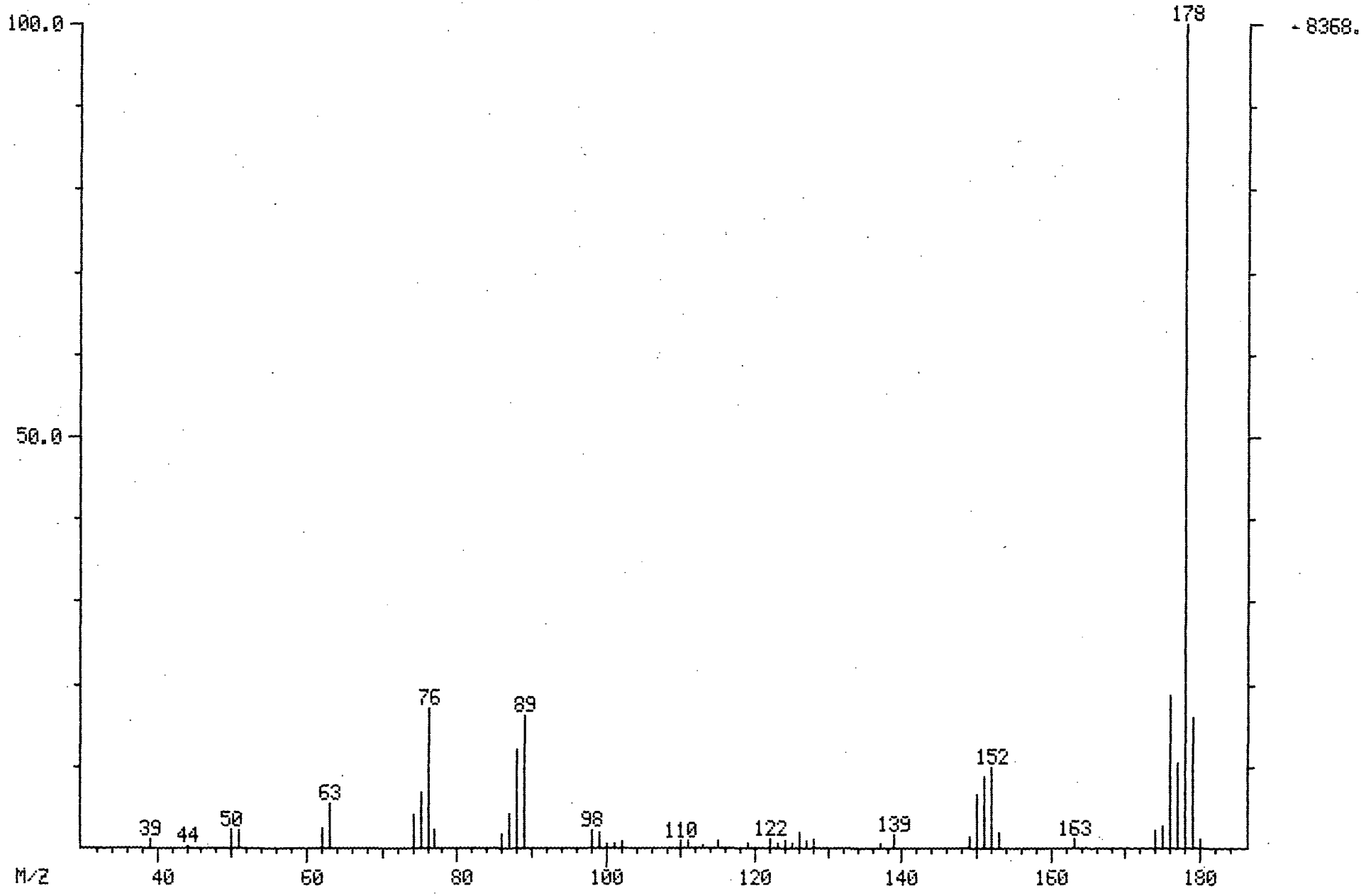
00489

MID MASS SPECTRUM
06/15/91 23:13:00 + 22:44
SAMPLE: S4 91-13588
CONDS.: MS-B CASE: EOH0022
GC TEMP: 228 DEG. C
ENHANCED (S 15B 2N 0T)

DATA: AD32513588 #1414
CALI: AD32513588 #2

BASE M/Z: 178
RIC: 23328.

00490

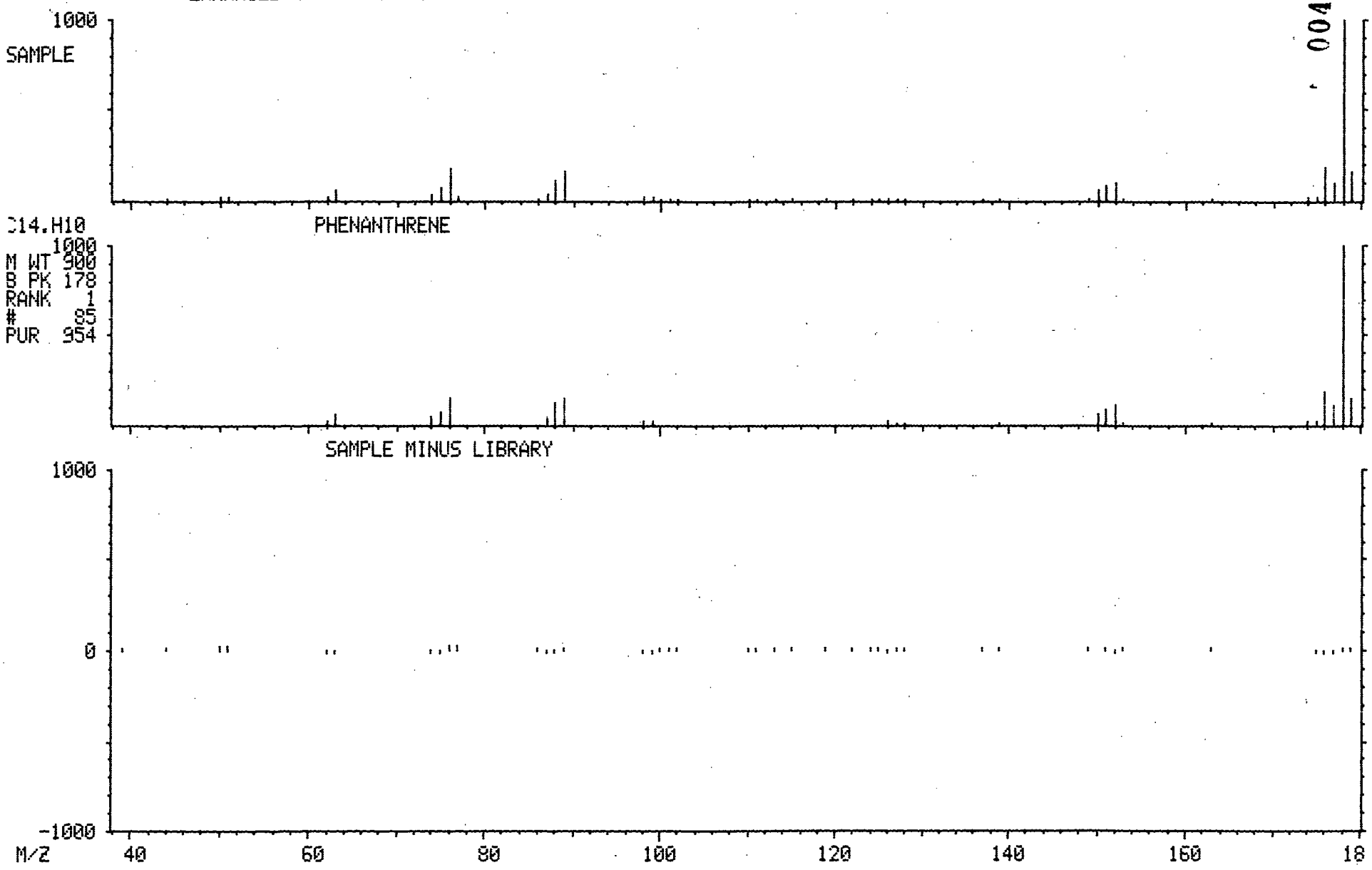


MID LIBRARY SEARCH
06/15/91 23:13:00 + 22:44
SAMPLE: S4 91-13588
CONDS.: MS-B CASE: EOH0022
ENHANCED (S 15B 2N 0T)

DATA: AD32513588 #1414
CALI: AD32513588 # 2

BASE M/Z: 178
RIC: 23199.

00491

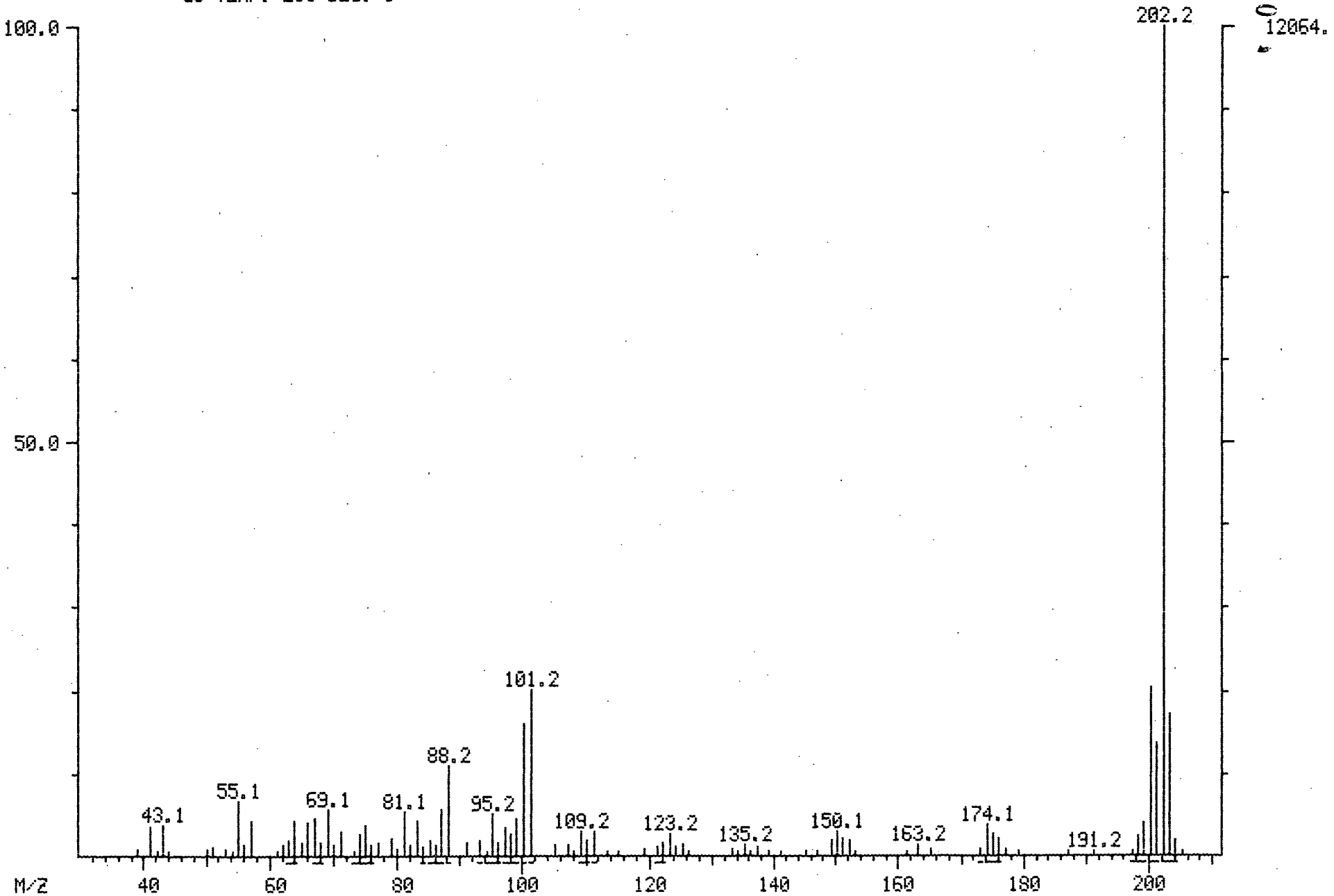


MID MASS SPECTRUM
06/15/91 23:13:00 + 25:51
SAMPLE: S4 91-13588
CONDS.: MS-B CASE: EOH0022
GC TEMP: 260 DEG. C

DATA: AD32513588 #1608
CALI: AD32513588 #2

BASE M/Z: 202
RIC: 44608.

00492

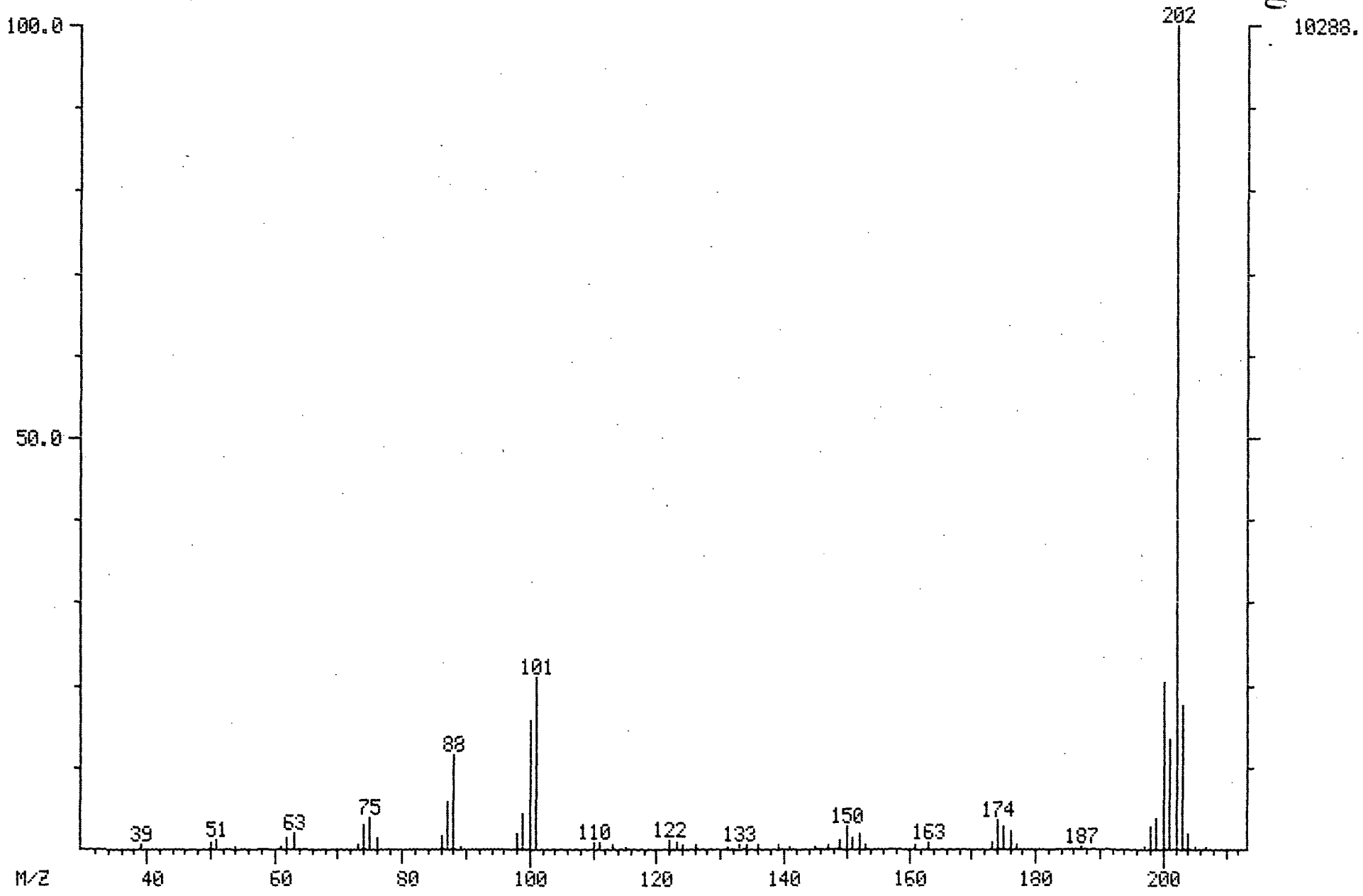


MID MASS SPECTRUM
06/15/91 23:13:00 + 25:51
SAMPLE: S4 91-13588
CONDS.: MS-B CASE: EOH0022
GC TEMP: 260 DEG. C
ENHANCED (S 15B 2N 0T)

DATA: AD32513588 #1608
CALI: AD32513588 #2

BASE M/Z: 202
RIC: 27584.

00493

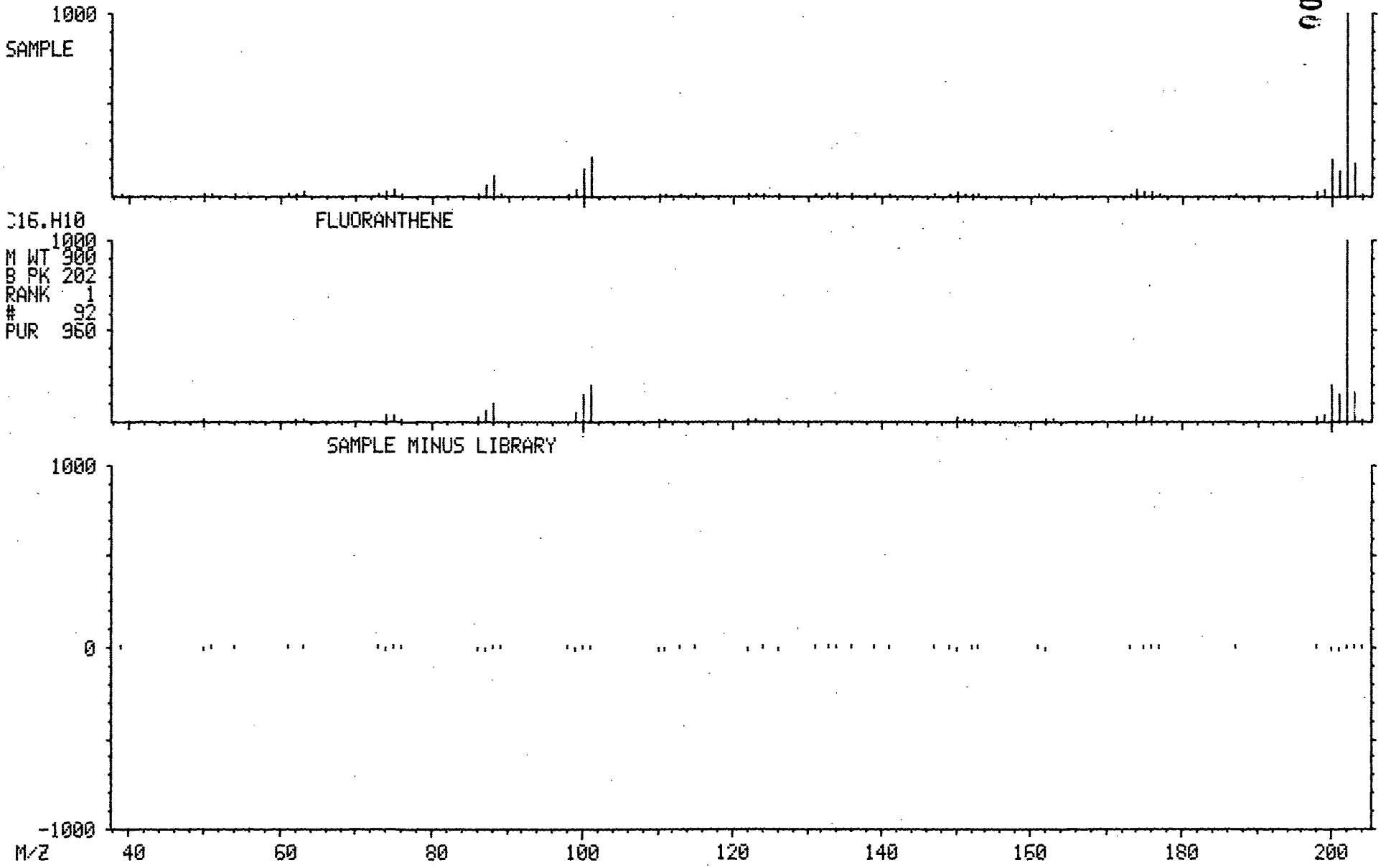


MID LIBRARY SEARCH
06/15/91 23:13:00 + 25:51
SAMPLE: S4 91-13588
CONDS.: MS-B CASE: EOH0022
ENHANCED (S 15B 2N 0T)

DATA: AD32513588 #1608
CALI: AD32513588 # 2

BASE M/Z: 202
RIC: 27423.

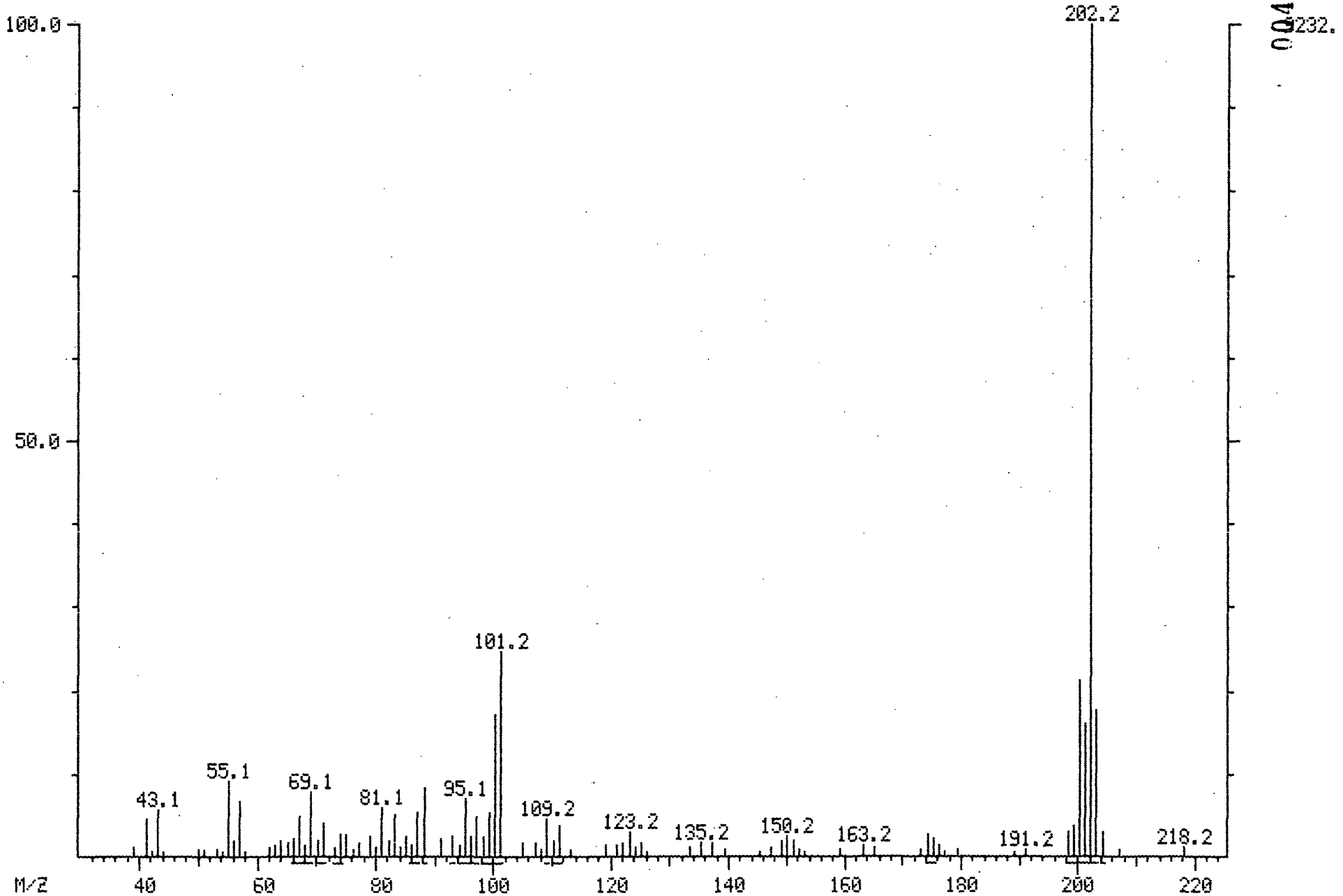
00434



MID MASS SPECTRUM
06/15/91 23:13:00 + 26:27
SAMPLE: S4 91-13588
CONDS.: MS-B CASE: EOH0022
GC TEMP: 265 DEG. C

DATA: AD32513588 #1645
CALI: AD32513588 #2

BASE M/Z: 202
RIC: 36480.



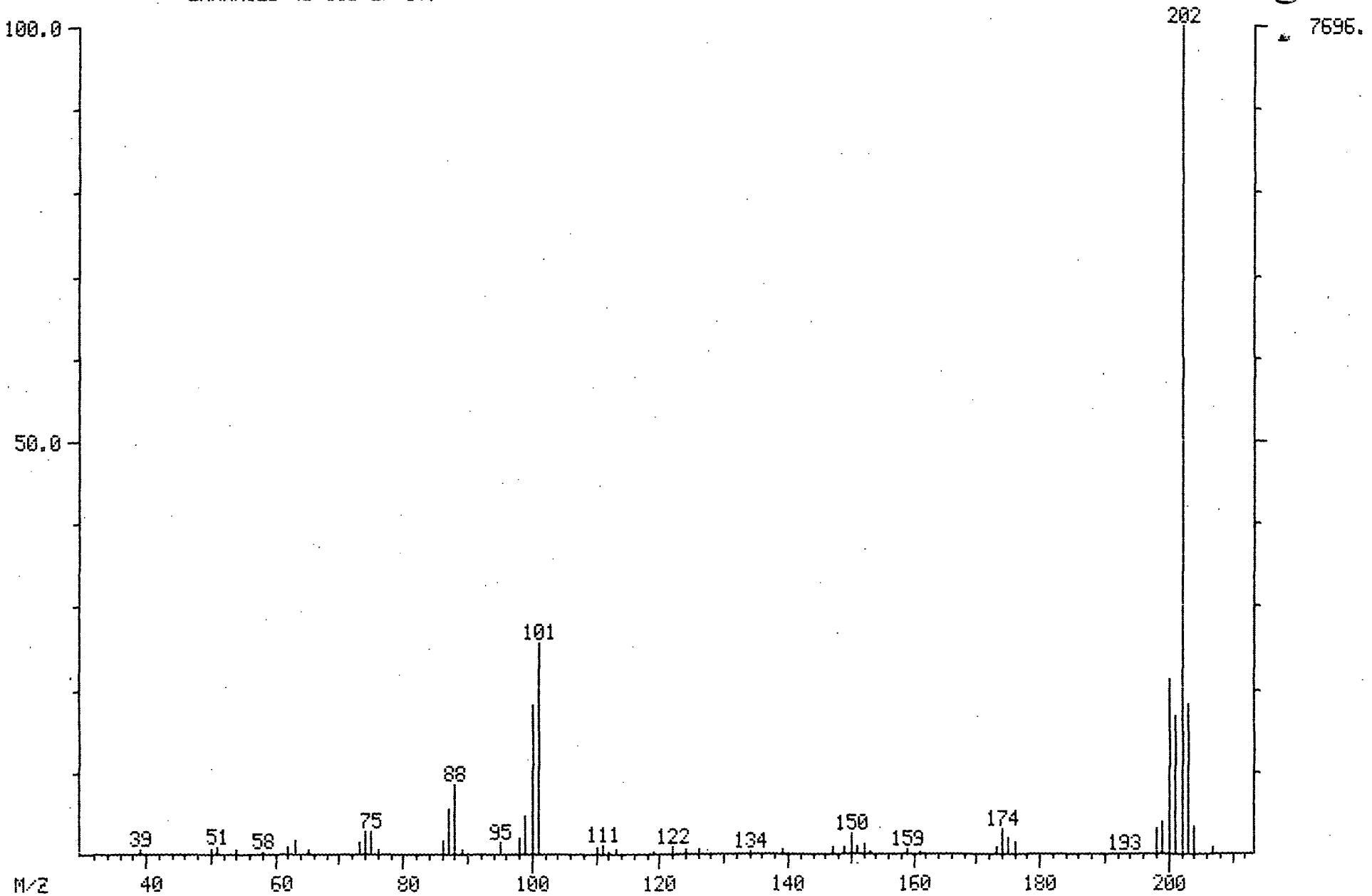
00495

MID MASS SPECTRUM
06/15/91 23:13:00 + 26:27
SAMPLE: S4 91-13588
CONDS.: MS-B CASE: EOH0022
GC TEMP: 265 DEG. C
ENHANCED (S 15B 2N 0T)

DATA: AD32513588 #1645
CALI: AD32513588 #2

BASE M/Z: 202
RIC: 20672.

00496

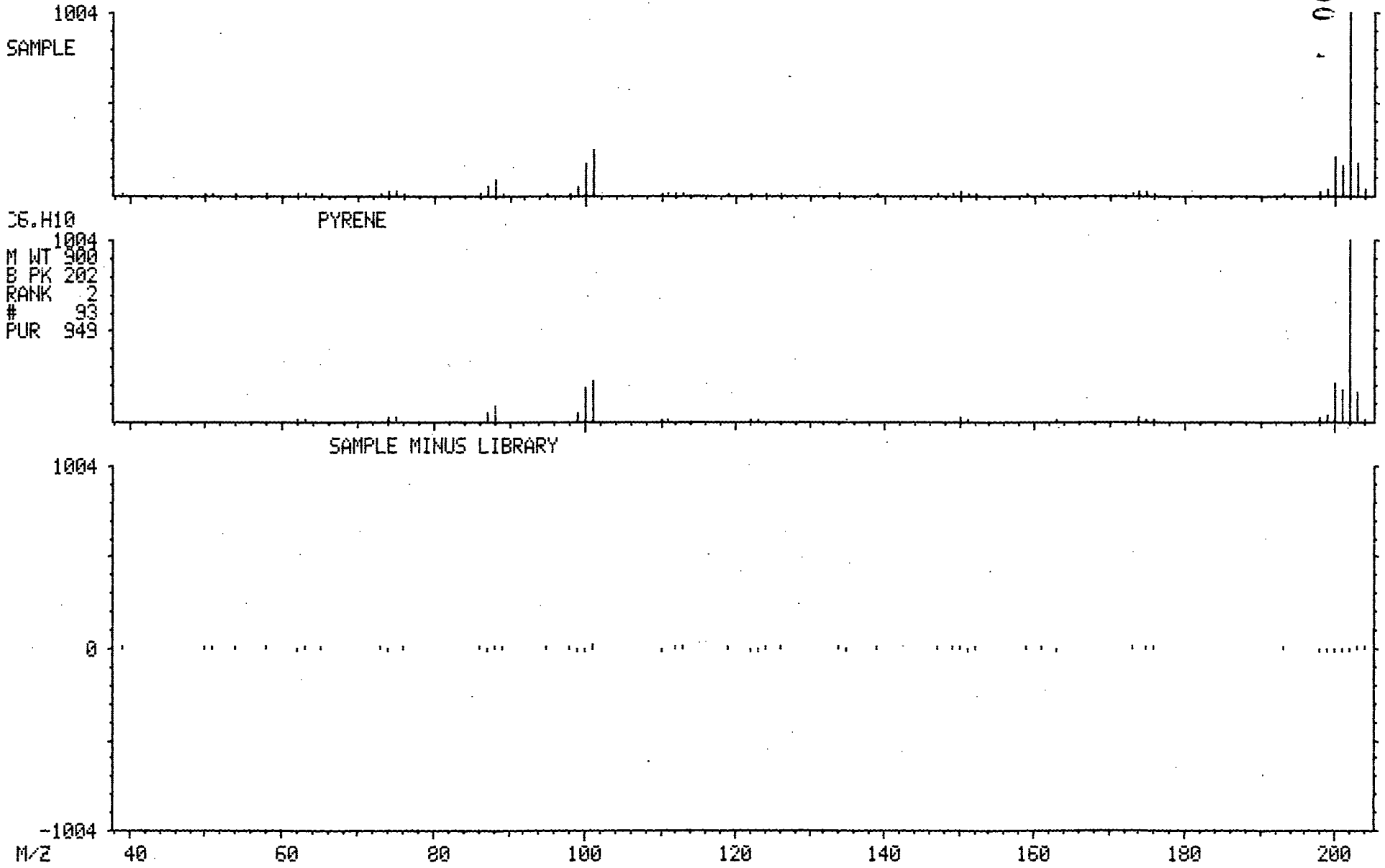


MID LIBRARY SEARCH
06/15/91 23:13:00 + 26:27
SAMPLE: S4 91-13588
CONDS.: MS-B CASE: EOH0022
ENHANCED (S 15B 2N 0T)

DATA: AD32513588 #1645
CALI: AD32513588 # 2

BASE M/Z: 202
RIC: 20575.

00497

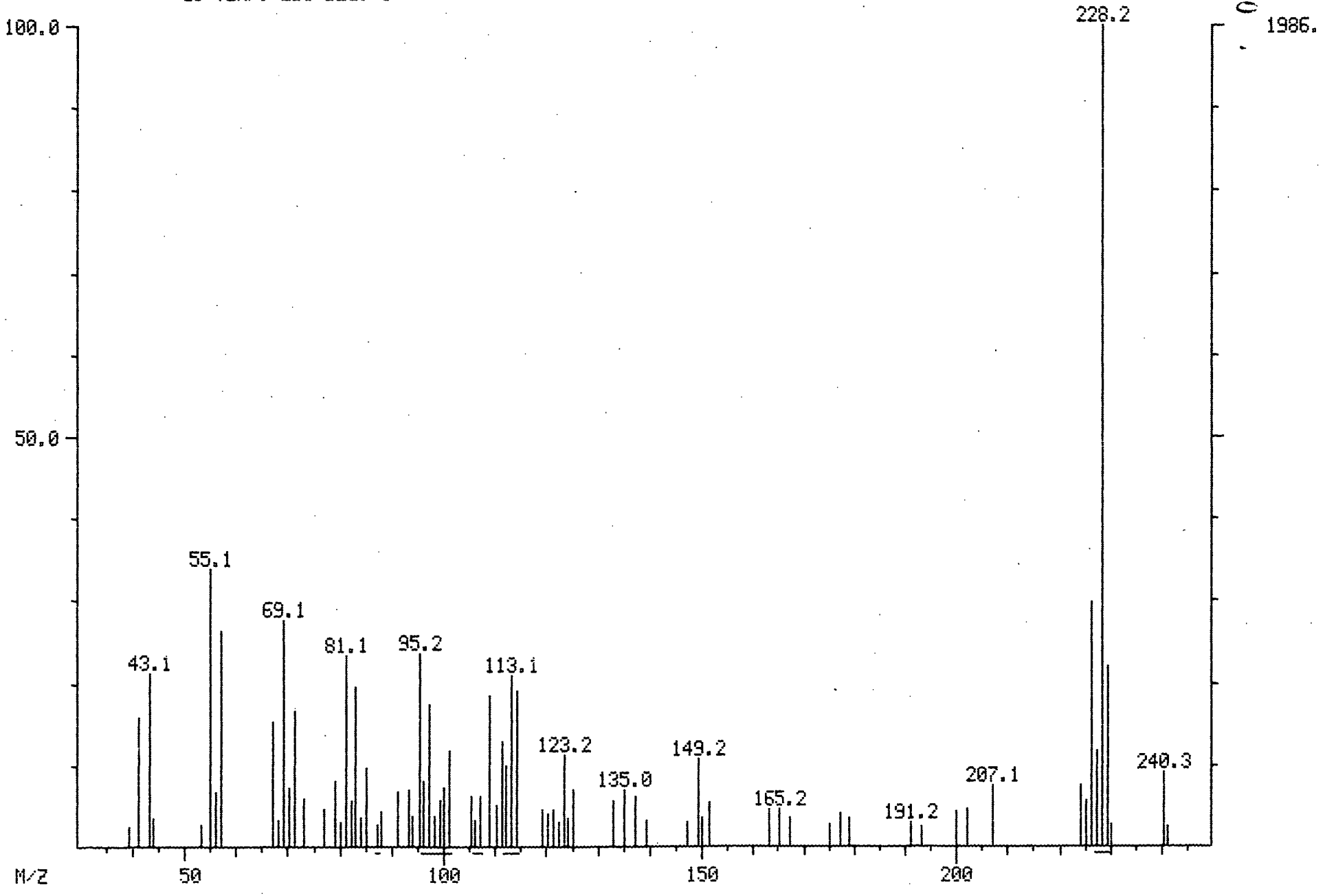


MID MASS SPECTRUM
06/15/91 23:13:00 + 23:41
SAMPLE: S4 91-13588
CONDS.: MS-B CASE: EOH0022
GC TEMP: 298 DEG. C

DATA: AD32513588 #1846
CALI: AD32513588 #2

BASE M/Z: 228
RIC: 15712.

00498

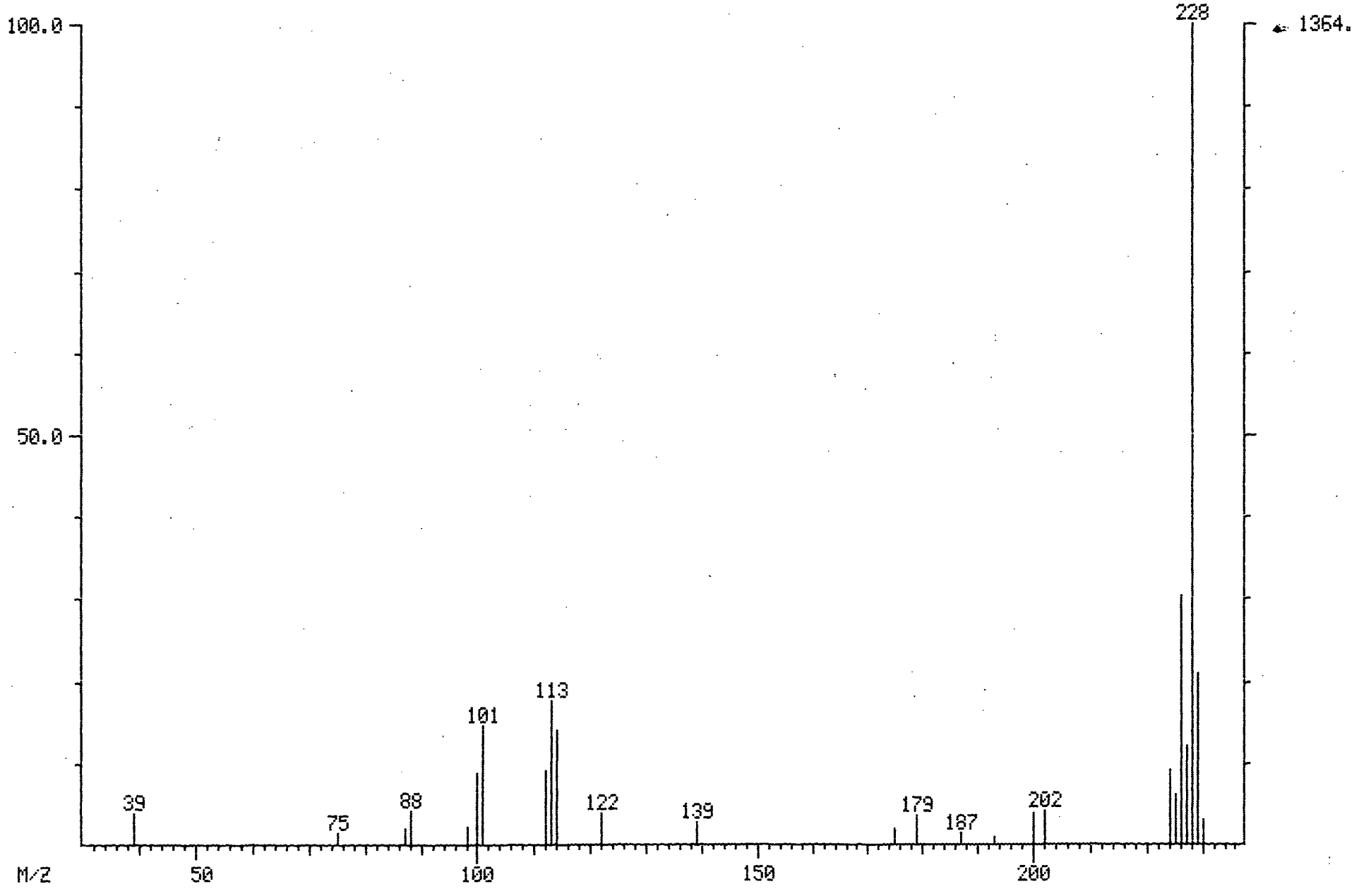


MID MASS SPECTRUM
06/15/91 23:13:00 + 29:41
SAMPLE: S4 91-13588
CONDS.: MS-B CASE: EOH0022
GC TEMP: 298 DEG. C
ENHANCED (S 15B 2N 0T)

DATA: AD32513588 #1846
CALI: AD32513588 #2

BASE M/Z: 228
RIC: 3844.

00499

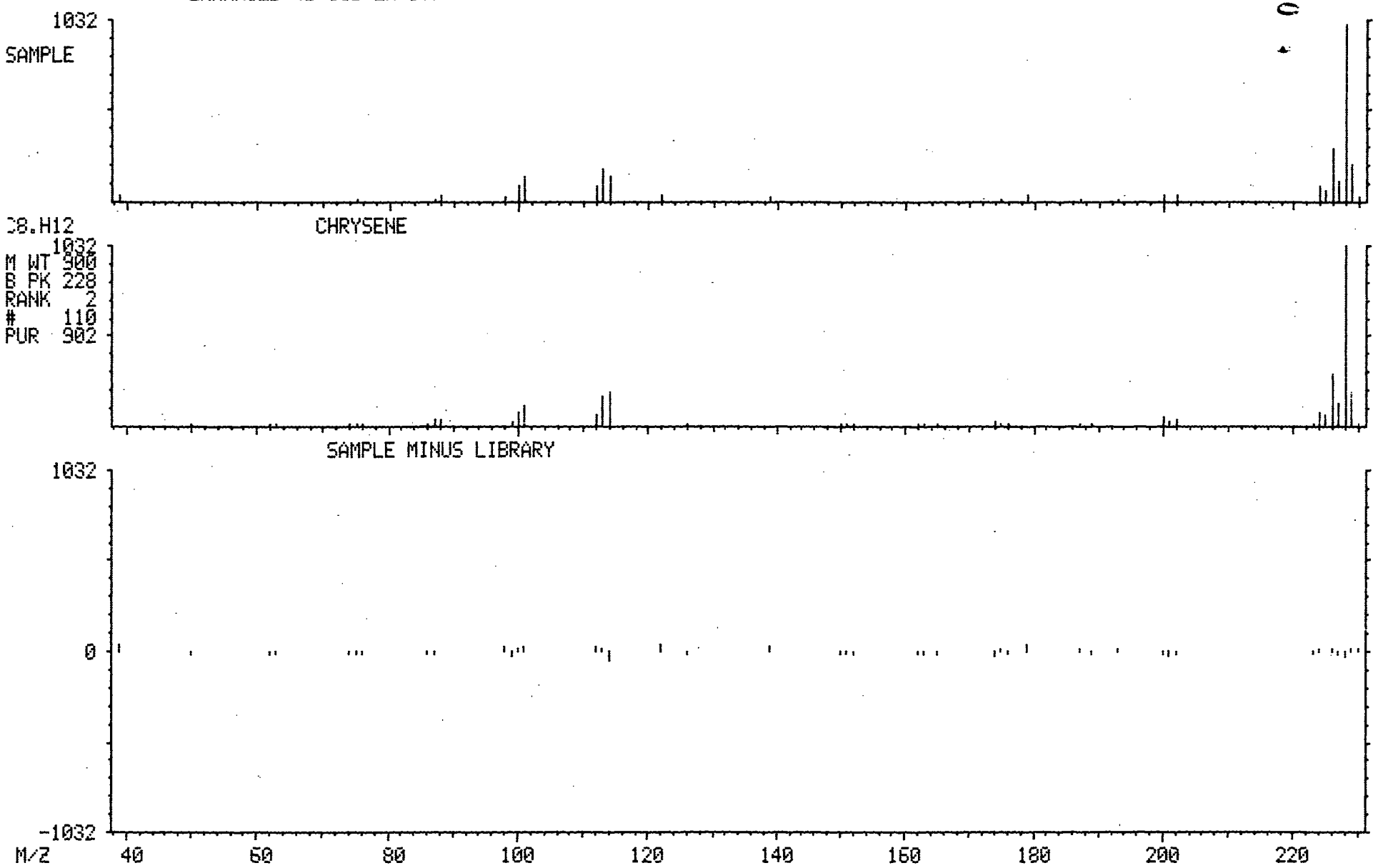


MID LIBRARY SEARCH
06/15/91 23:13:00 + 29:41
SAMPLE: S4 91-13588
CONDS.: MS-B CASE: EOH0022
ENHANCED (S 15B 2N 0T)

DATA: AD32513588 #1846
CALI: AD32513588 # 2

BASE M/Z: 228
RIC: 3843.

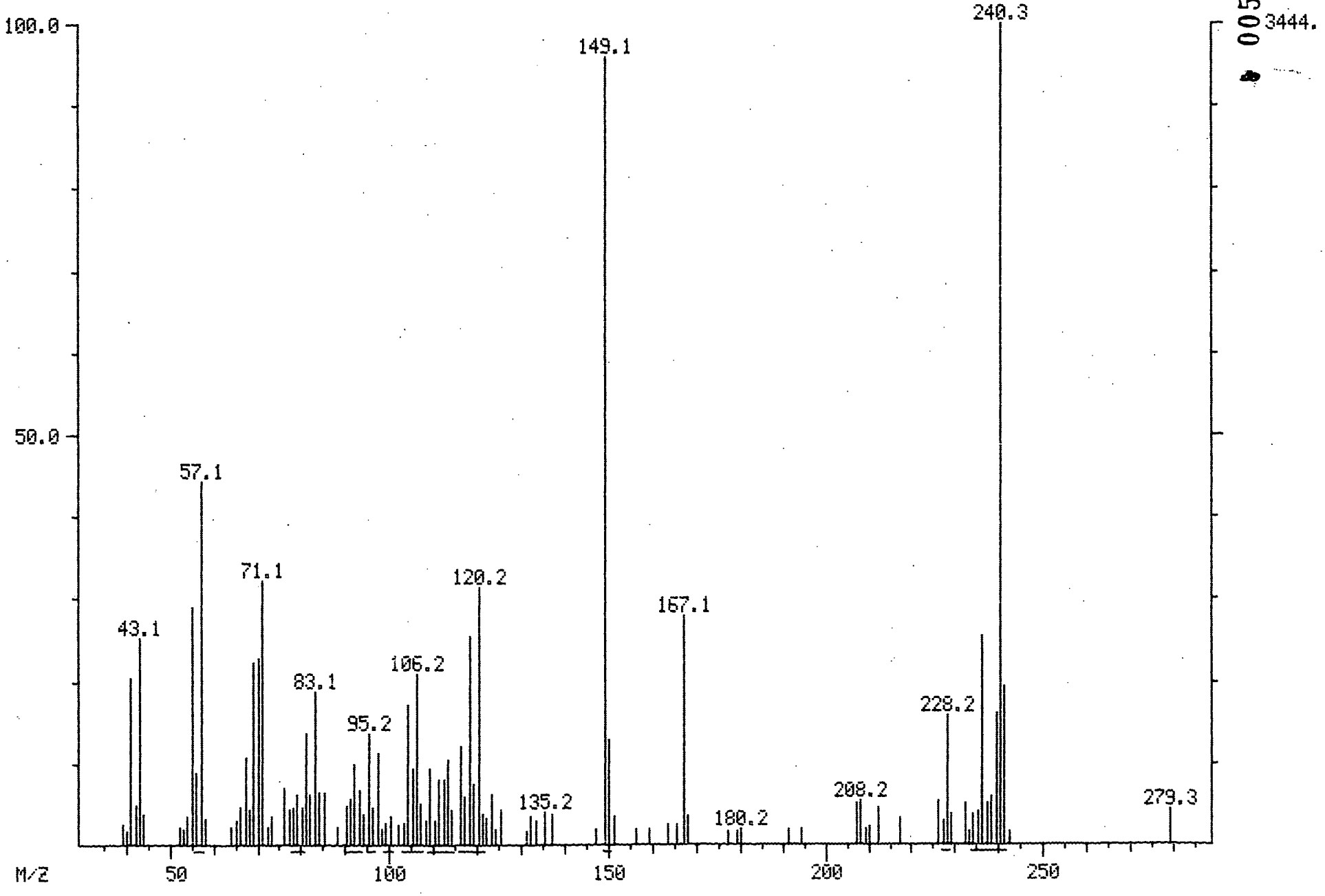
00500



MID MASS SPECTRUM
06/15/91 23:13:00 + 23:38
SAMPLE: S4 91-13588
CONDS.: MS-B CASE: EOH0022
GC TEMP: 297 DEG. C

DATA: AD32513588 #1843
CALI: AD32513588 #2

BASE M/Z: 240
RIC: 35776.



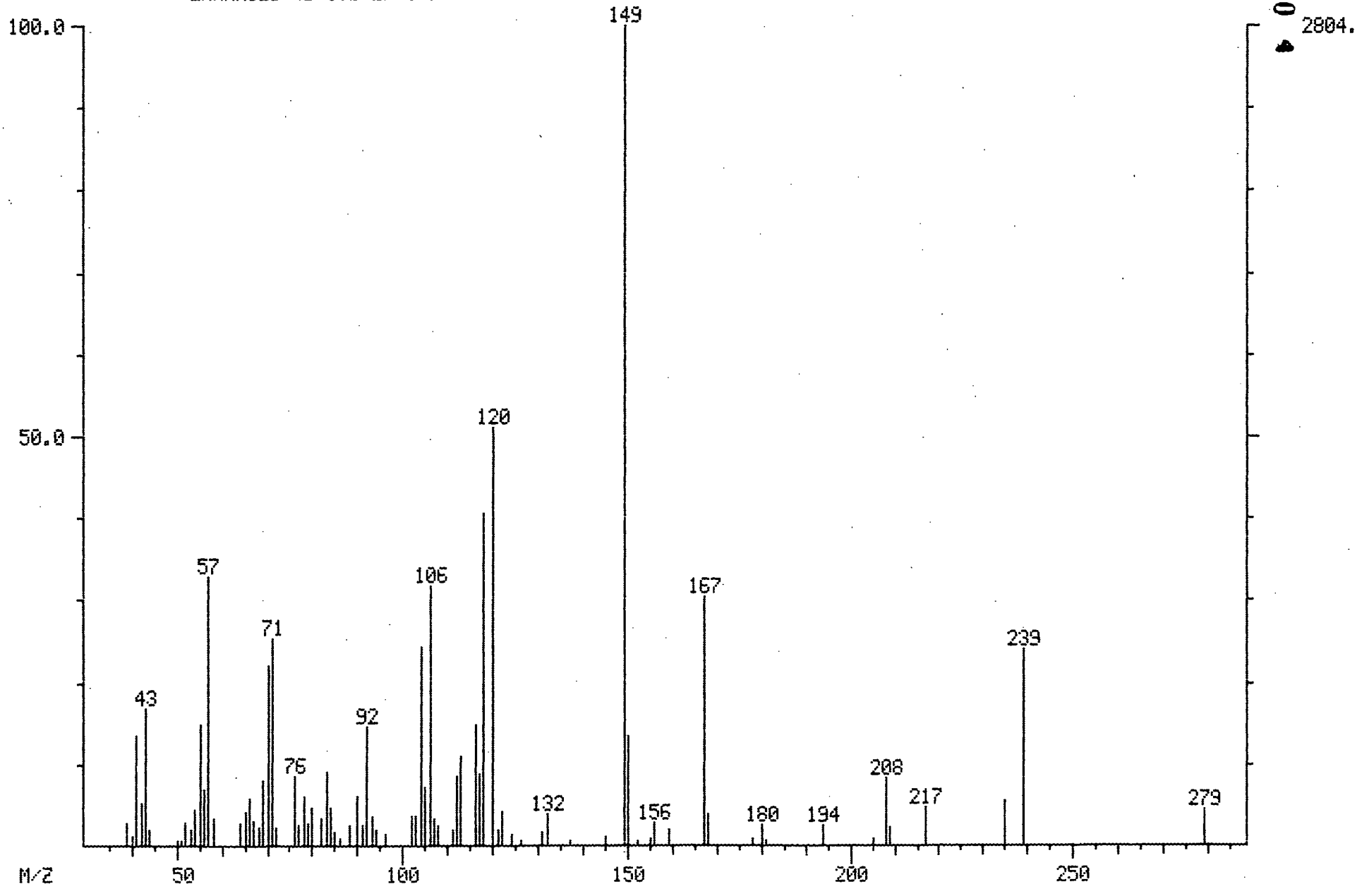
00501

MID MASS SPECTRUM
06/15/91 23:13:00 + 29:38
SAMPLE: S4 91-13588
CONDS.: MS-B CASE: EOH0022
GC TEMP: 297 DEG. C
ENHANCED (S 15B 2N 0T)

DATA: AD32513588 #1843
CALI: AD32513588 #2

BASE M/Z: 149
RIC: 19744.

00502

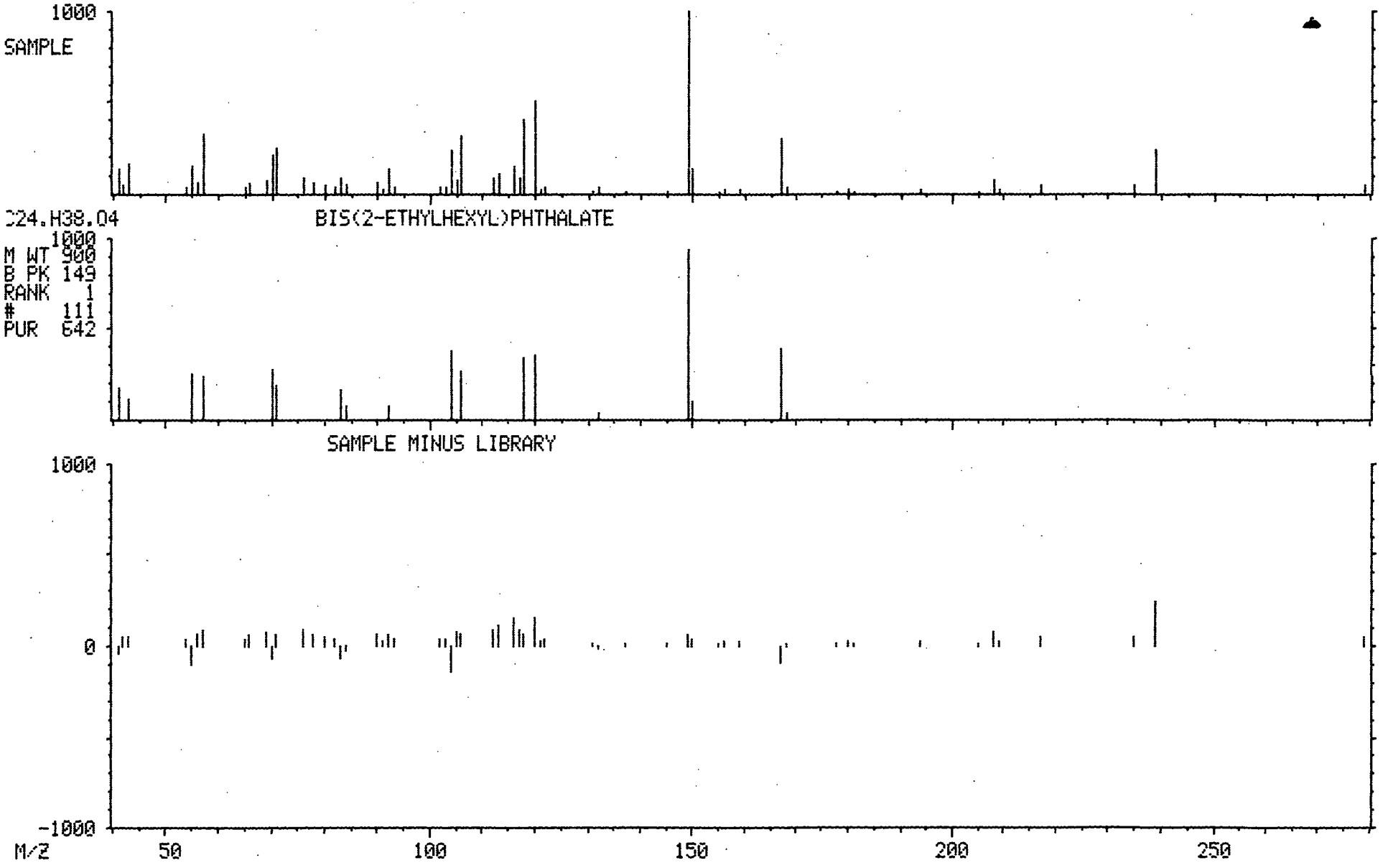


MID LIBRARY SEARCH
06/15/91 23:13:00 + 29:38
SAMPLE: S4 91-13588
CONDS.: MS-B CASE: EOH0022
ENHANCED (S 15B 2N 0T)

DATA: AD32513588 #1843
CALI: AD32513588 # 2

BASE M/Z: 149
RIC: 18335.

00503

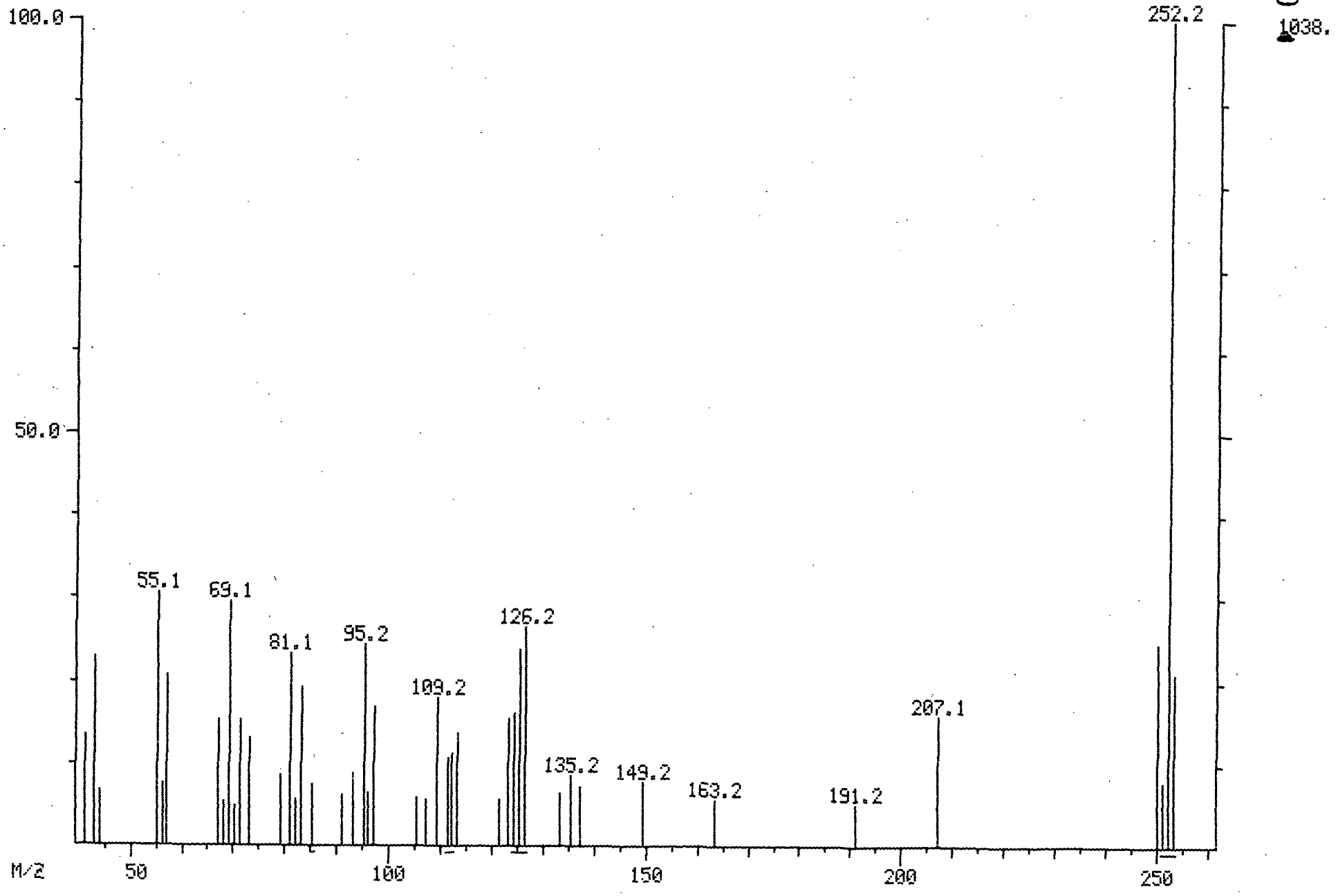


MID MASS SPECTRUM
06/15/91 23:13:00 + 32:53
SAMPLE: S4 91-13588
CONDS.: MS-B CASE: EOH0022
GC TEMP: 300 DEG. C

DATA: AD32S13588 #2045
CALI: AD32S13588 #2

BASE M/Z: 252
RIC: 7024.

00504

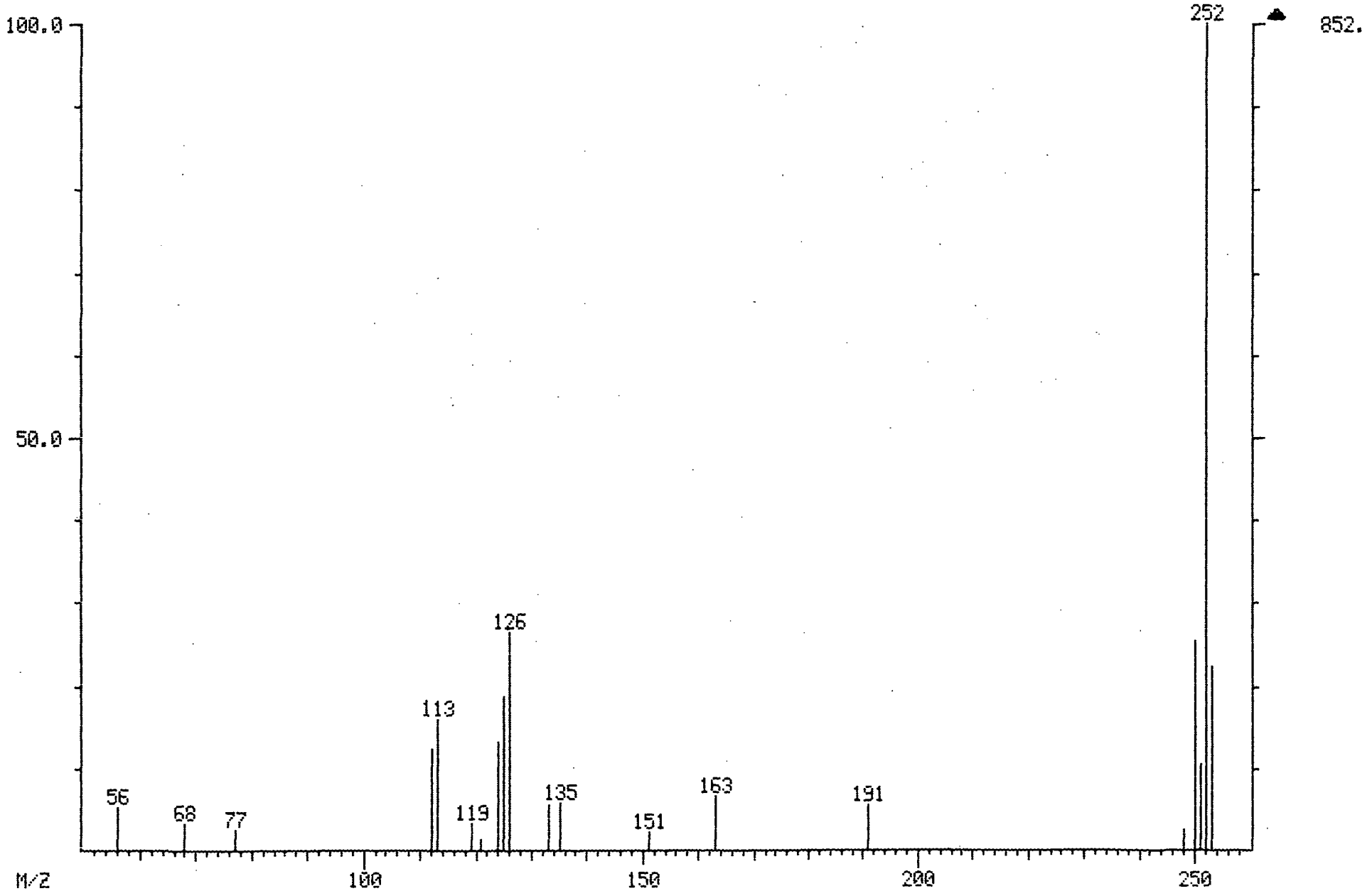


MID MASS SPECTRUM
06/15/91 23:13:00 + 32:53
SAMPLE: S4 91-13588
CONDS.: MS-B CASE: EOH0022
GC TEMP: 300 DEG. C
ENHANCED (S 15B 2N 0T)

DATA: AD32513588 #2045
CALI: AD32513588 #2

BASE M/Z: 252
RIC: 2464.

00505

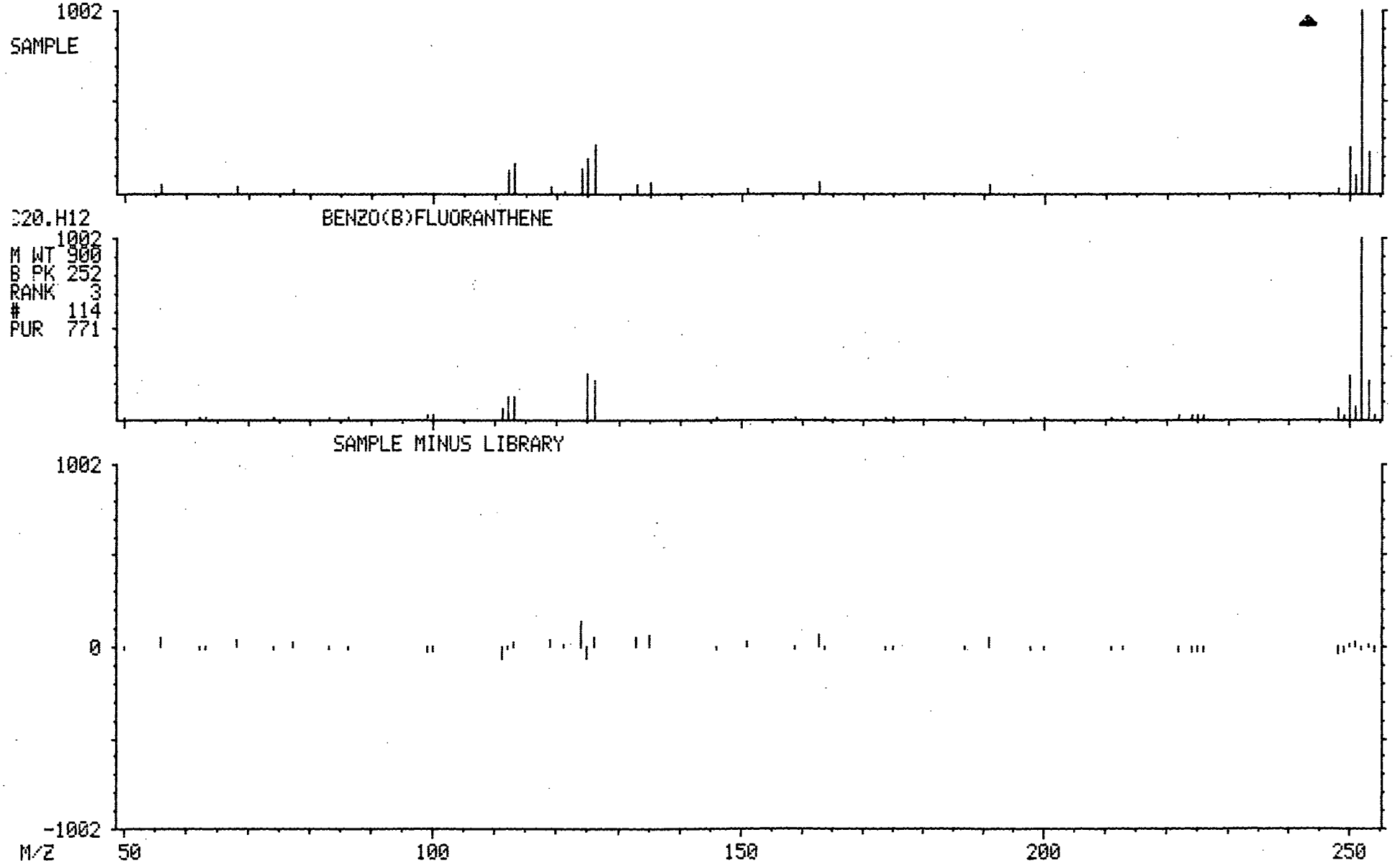


MID LIBRARY SEARCH
06/15/91 23:13:00 + 32:53
SAMPLE: S4 91-13588
CONDS.: MS-B CASE: EOH0022
ENHANCED (S 15B 2N 0T)

DATA: AD32S13588 #2045
CALI: AD32S13588 # 2

BASE M/Z: 252
RIC: 2463.

00506

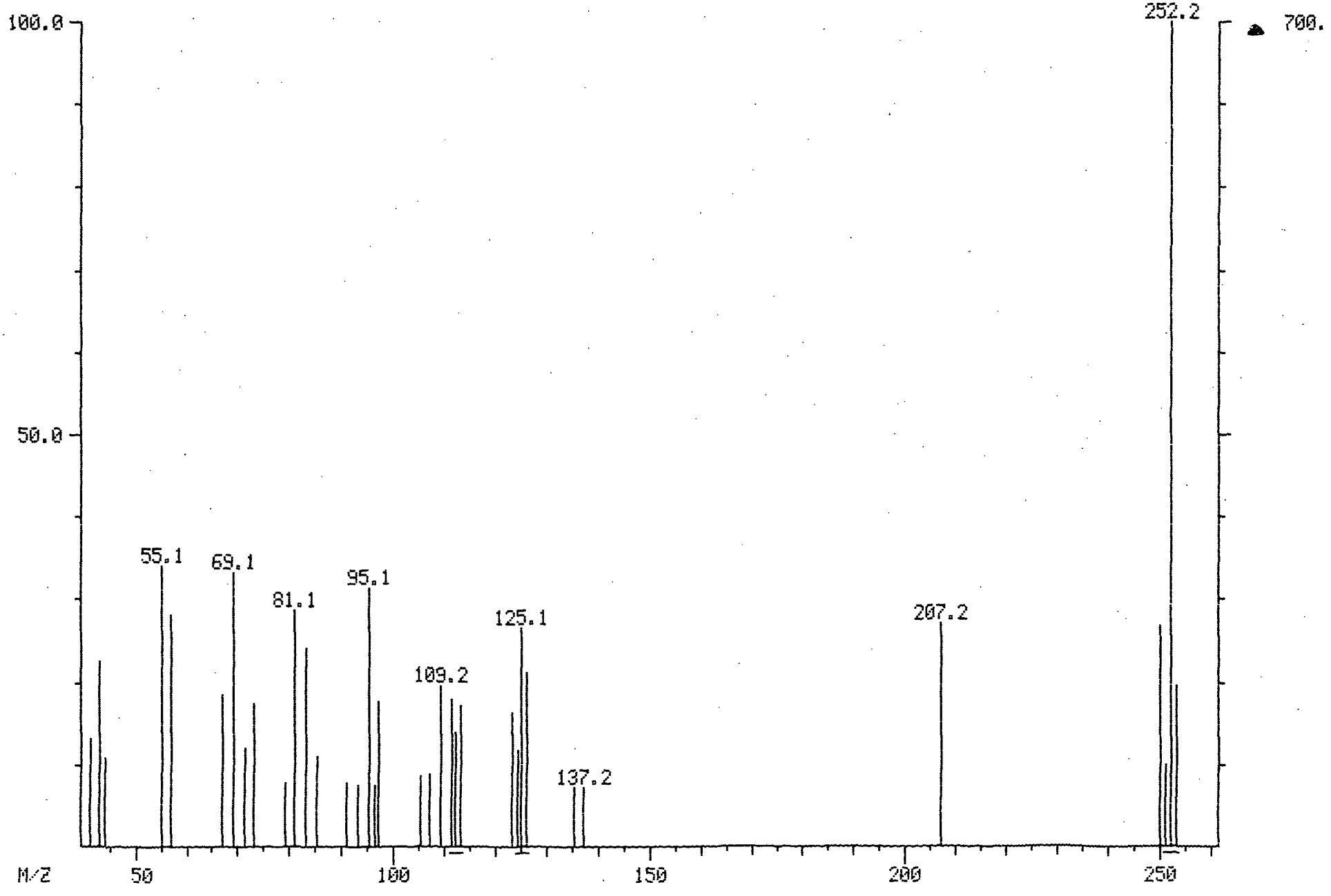


MID MASS SPECTRUM
06/15/91 23:13:00 + 34:10
SAMPLE: S4 91-13588
CONDS.: MS-B CASE: EOH0022
GC TEMP: 299 DEG. C

DATA: AD32513588 #2125
CALI: AD32513588 #2

BASE M/Z: 252
RIC: 4880.

00507

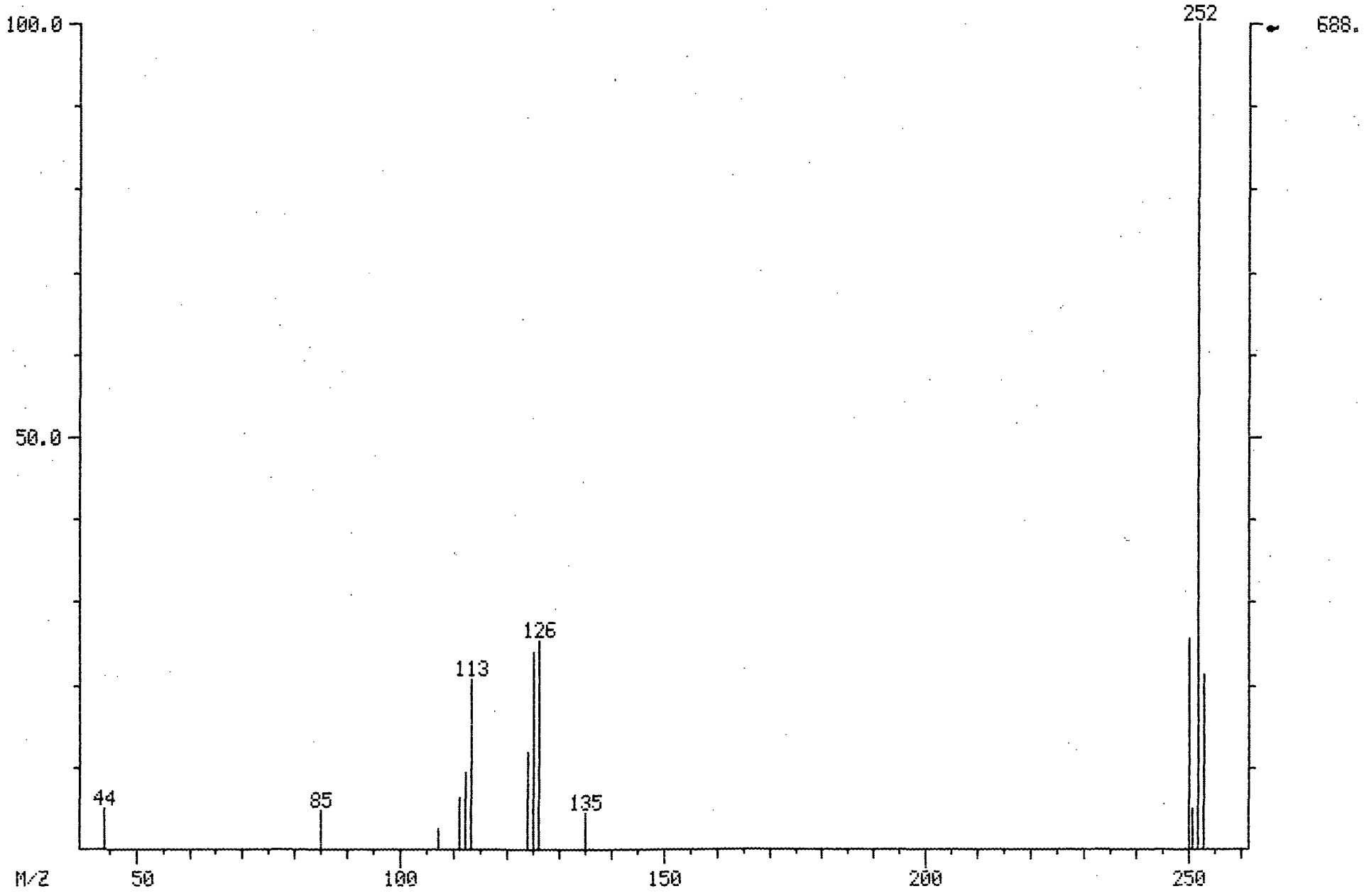


MID MASS SPECTRUM
06/15/91 23:13:00 + 34:10
SAMPLE: S4 91-13588
CONDS.: MS-B CASE: EOH0022
GC TEMP: 299 DEG. C
ENHANCED (S 15B 2N 0T)

DATA: AD32513588 #2125
CALI: AD32513588 #2

BASE M/Z: 252
RIC: 1830.

00508

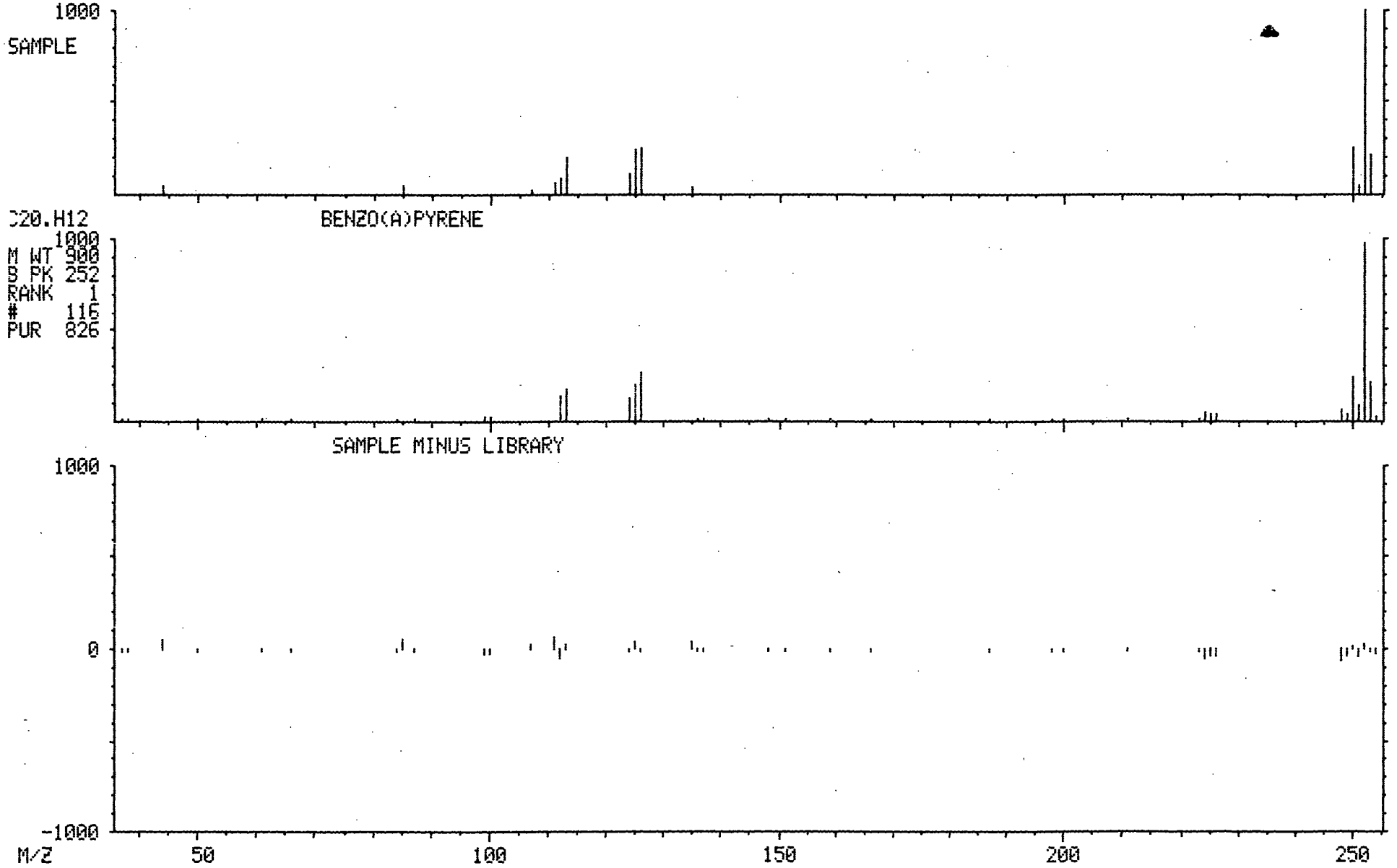


MID LIBRARY SEARCH
06/15/91 23:13:00 + 34:10
SAMPLE: S4 91-13588
CONDS.: MS-B CASE: EOH0022
ENHANCED (S 15B 2N 0T)

DATA: AD32S13588 #2125
CALI: AD32S13588 # 2

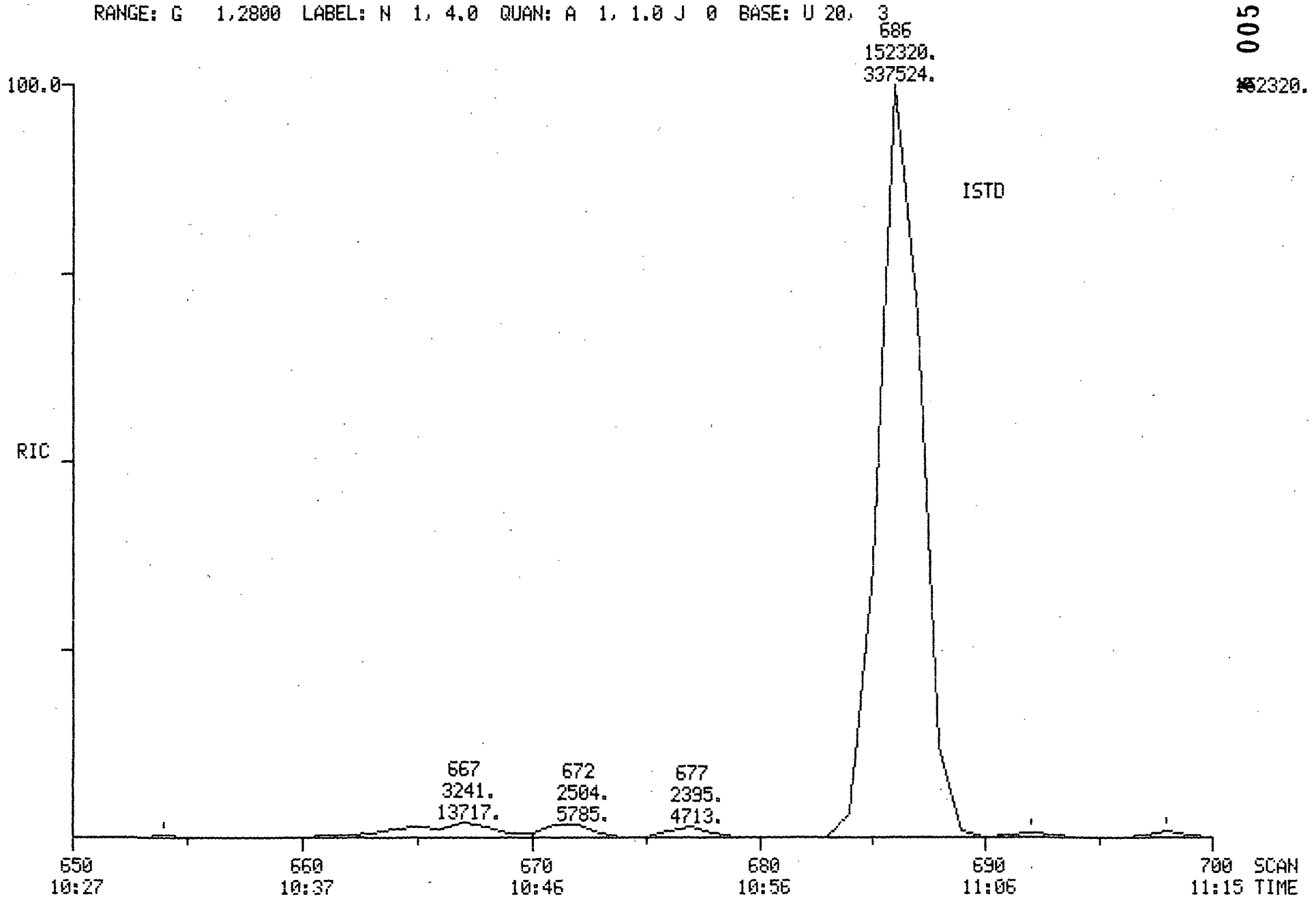
BASE M/Z: 252
RIC: 1829.

00509



MIDRIC
06/15/91 23:13:00
SAMPLE: S4 91-13588
CONDS.: MS-B CASE: EOH0022
RANGE: G 1,2800 LABEL: N 1, 4.0 QUAN: A 1, 1.0 J 0 BASE: U 20, 3

DATA: AD32513588 #1 SCANS 650 TO 700
CALI: AD32513588 #2

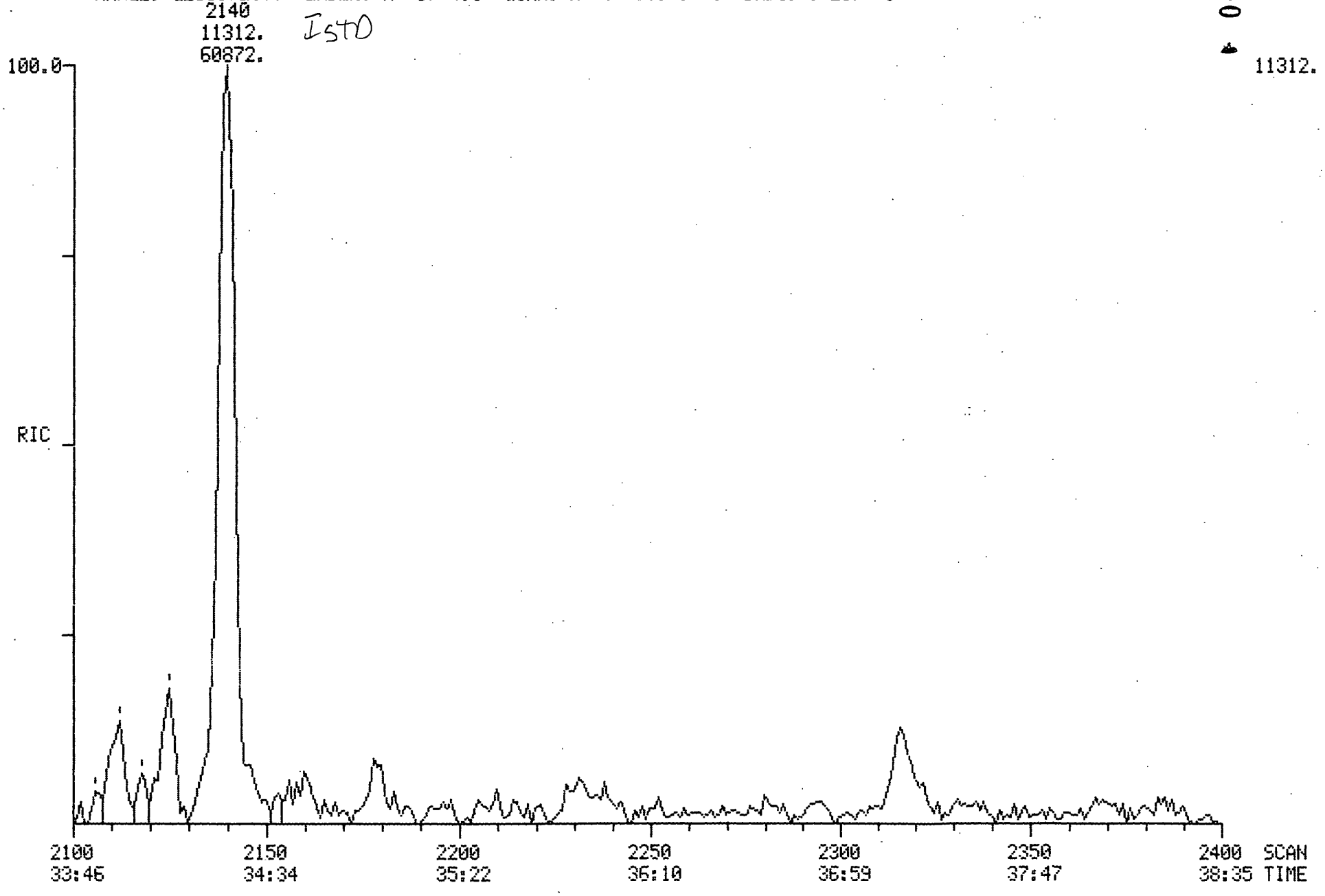


00510

MIDRIC
06/15/91 23:13:00
SAMPLE: S4 91-13588
CONDS.: MS-B CASE: EOH0022
RANGE: G2100,2150 LABEL: N 1, 4.0 QUAN: A 1, 1.0 J 0 BASE: U 20, 3

DATA: AD32513588 #1 SCANS 2100 TO 2400
CALI: AD32513588 #2

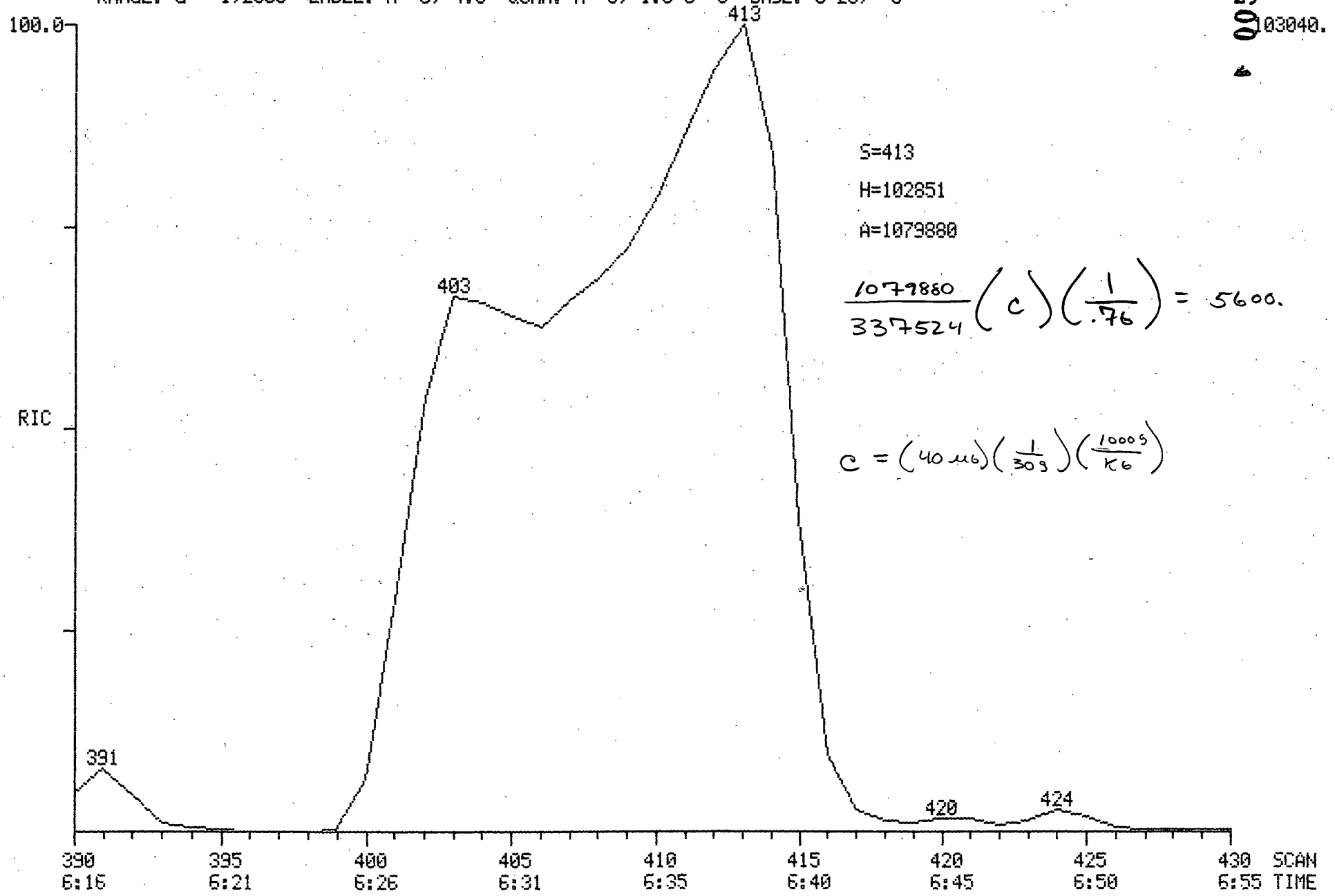
00511



MIDRIC
06/15/91 23:13:00
SAMPLE: S4 91-13588
CONDS.: MS-B CASE: EOH0022
RANGE: G 1,2800 LABEL: N 0, 4.0 QUAN: A 0, 1.0 J 0 BASE: U 20, 3

DATA: AD32513588 #1 SCANS 390 TO 430
CALI: AD32513588 #2

0512



S=413

H=102851

A=1079880

$$\frac{1079880}{337524}(c)\left(\frac{1}{.76}\right) = 5600.$$

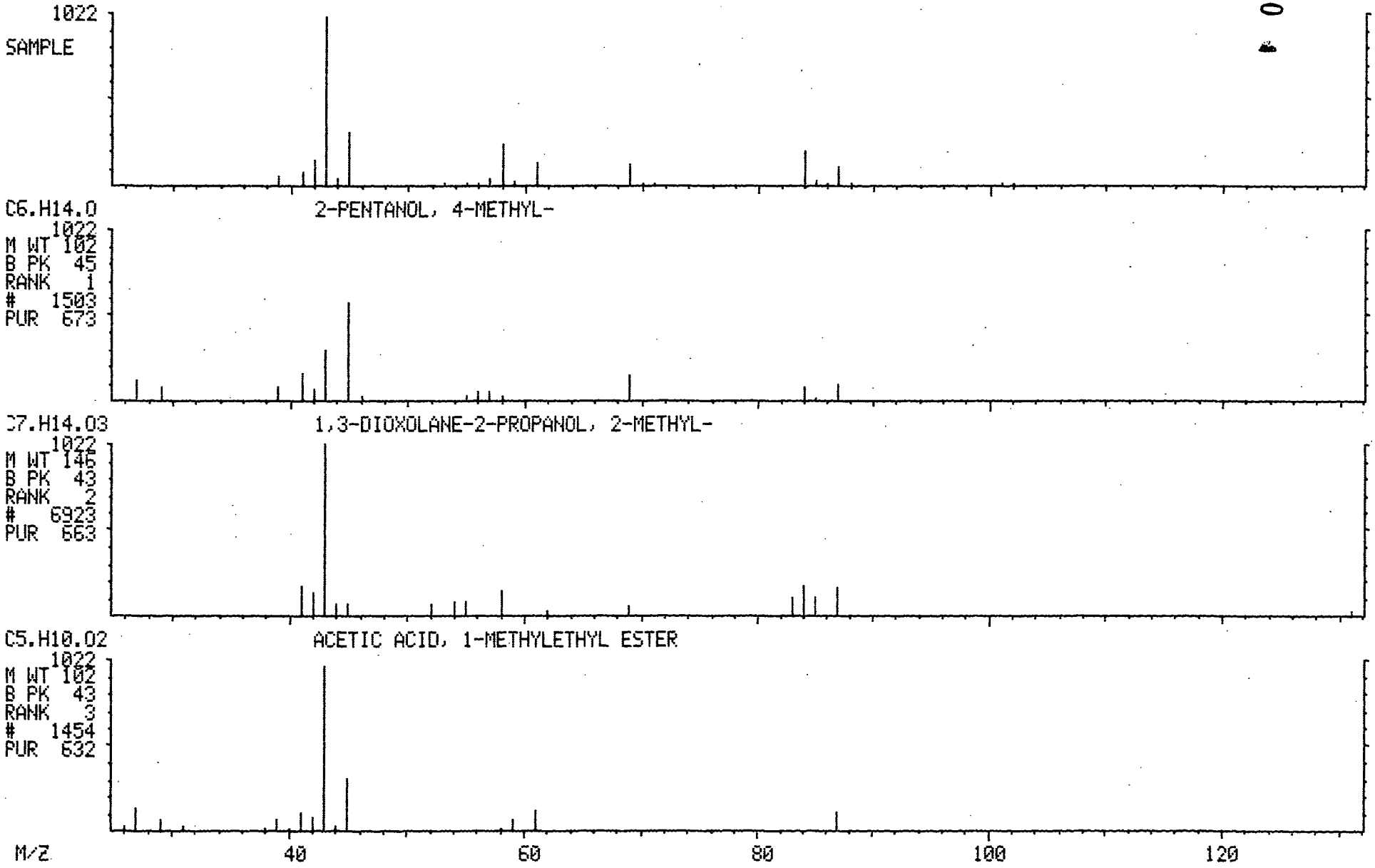
$$c = (40\,\mu g)\left(\frac{1}{30\,g}\right)\left(\frac{1000\,g}{kg}\right)$$

MID LIBRARY SEARCH
06/15/91 23:13:00 + 6:38
SAMPLE: S4 91-13588
CONDS.: MS-B CASE: EOH0022
ENHANCED (S 15B 2N 0T)

DATA: AD32S13588 # 413
CALI: AD32S13588 # 2

BASE M/Z: 43
RIC: 69119.

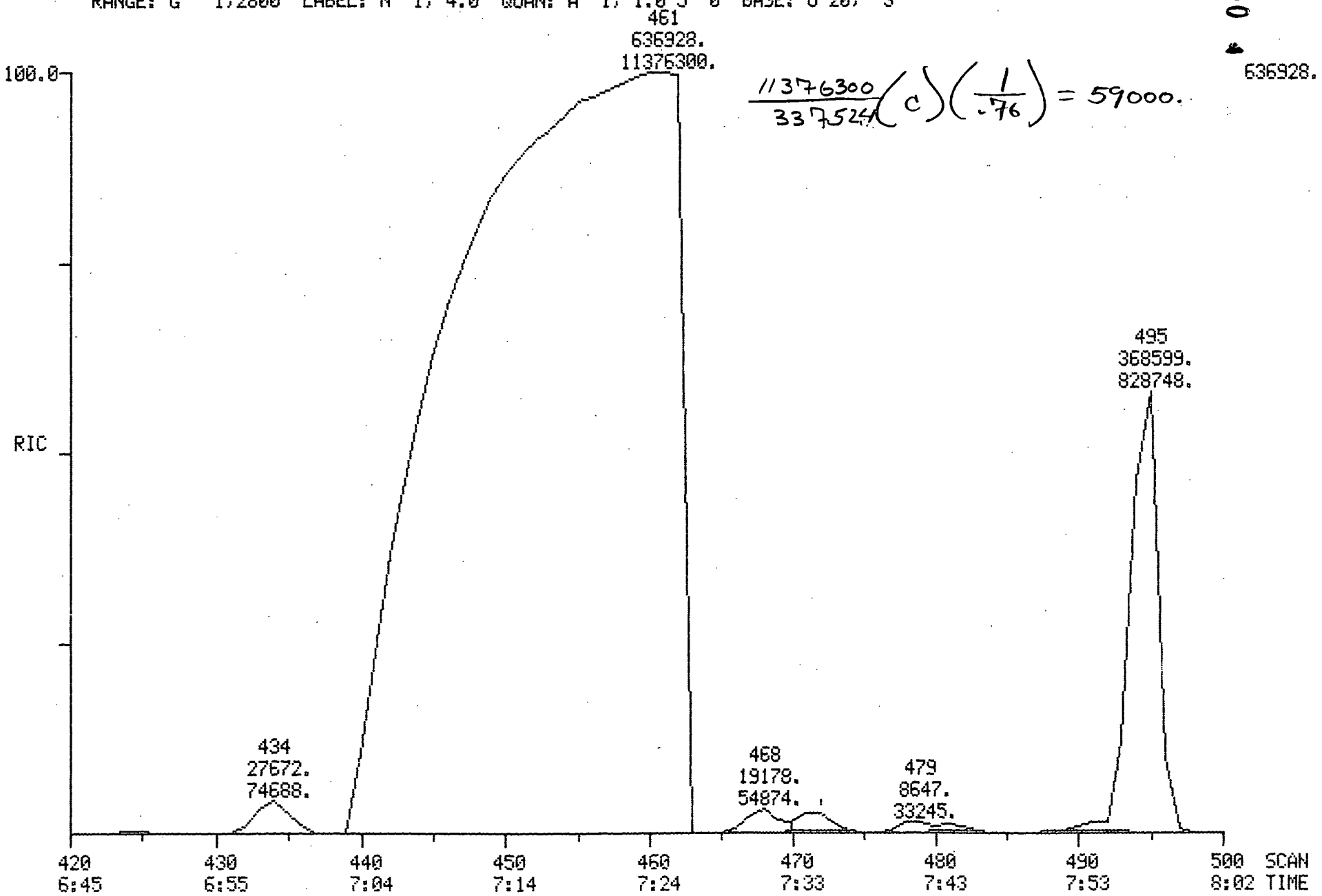
00513



MIDRIC
06/15/91 23:13:00
SAMPLE: S4 91-13588
CONDS.: MS-B CASE: EOH0022
RANGE: G 1,2800 LABEL: N 1, 4.0 QUAN: A 1, 1.0 J 0 BASE: U 20, 3

DATA: AD32513588 #1 SCANS 420 TO 500
CALI: AD32513588 #2

00514



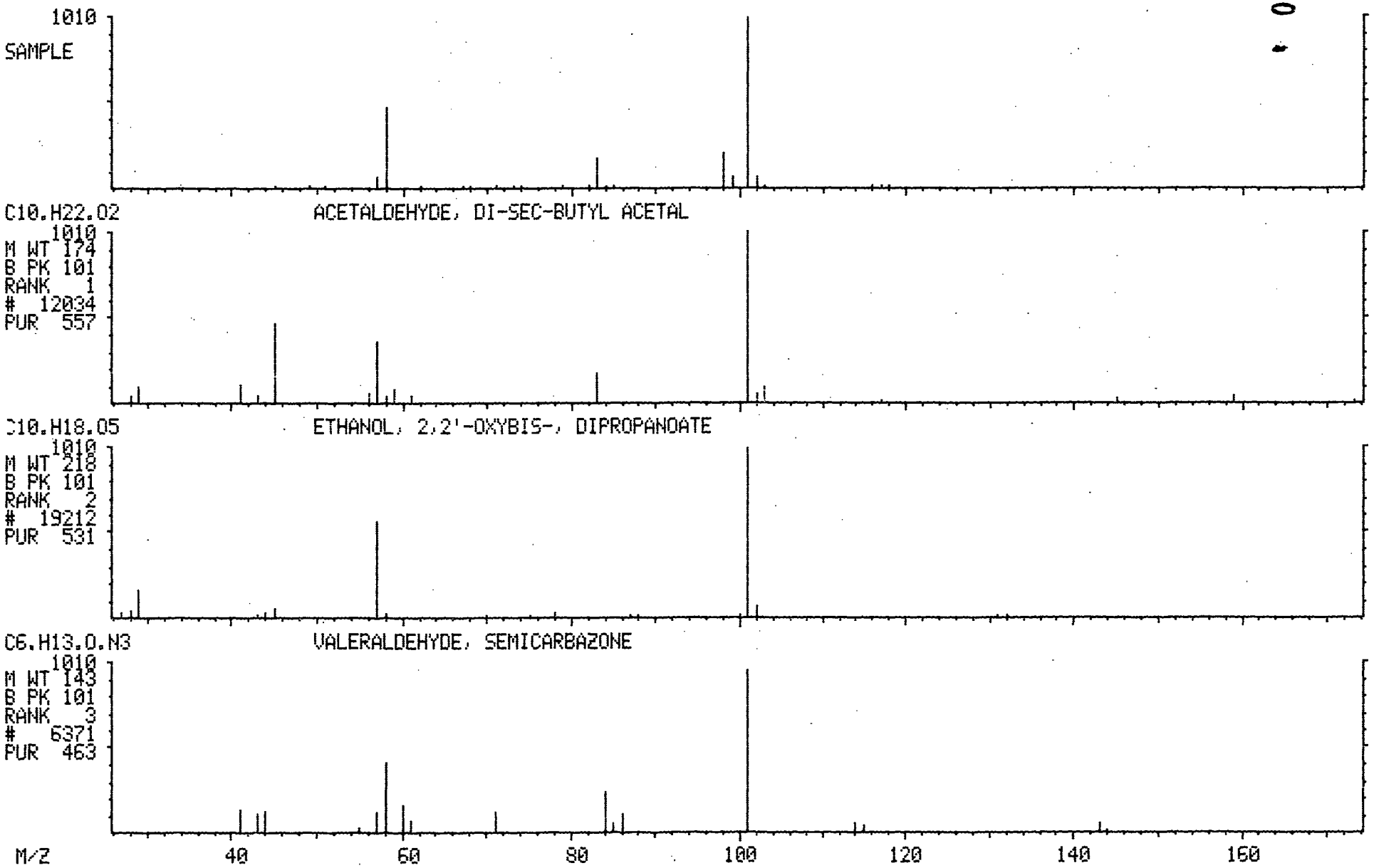
$\frac{11376300}{337524}(c)\left(\frac{1}{.76}\right) = 59000.$

MID LIBRARY SEARCH
06/15/91 23:13:00 + 7:24
SAMPLE: S4 91-13588
CONDS.: MS-B CASE: EOH0022
ENHANCED (S 15B 2N 0T)

DATA: AD32513588 # 460
CALI: AD32513588 # 2

BASE M/Z: 101
RIC: 165375.

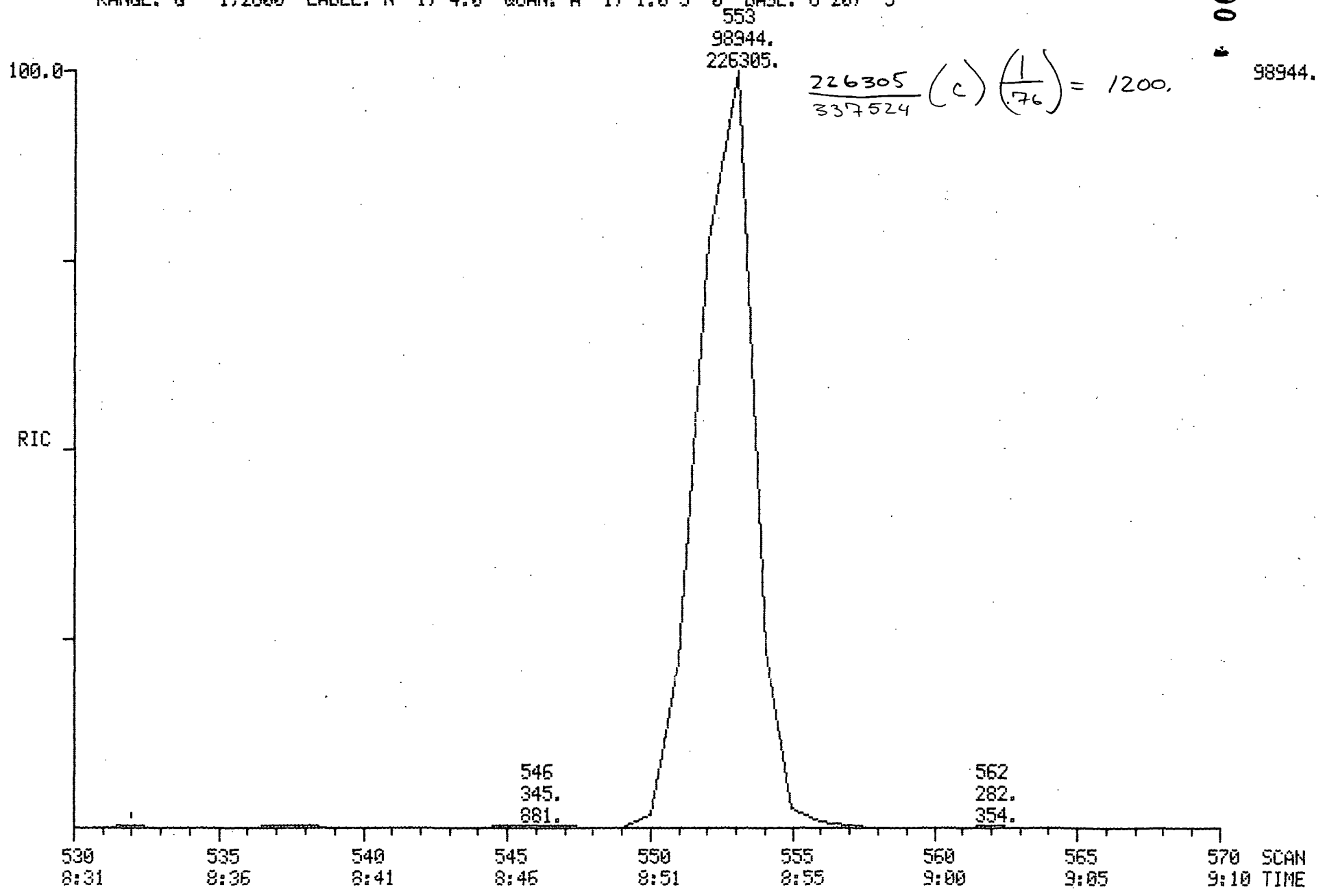
00515



MIDRIC
06/15/91 23:13:00
SAMPLE: S4 91-13588
CONDS.: MS-B CASE: EQH0022
RANGE: G 1,2800 LABEL: N 1, 4.0 QUAN: A 1, 1.0 J 0 BASE: U 20, 3

DATA: AD32513588 #1 SCANS 530 TO 570
CALI: AD32513588 #2

00516



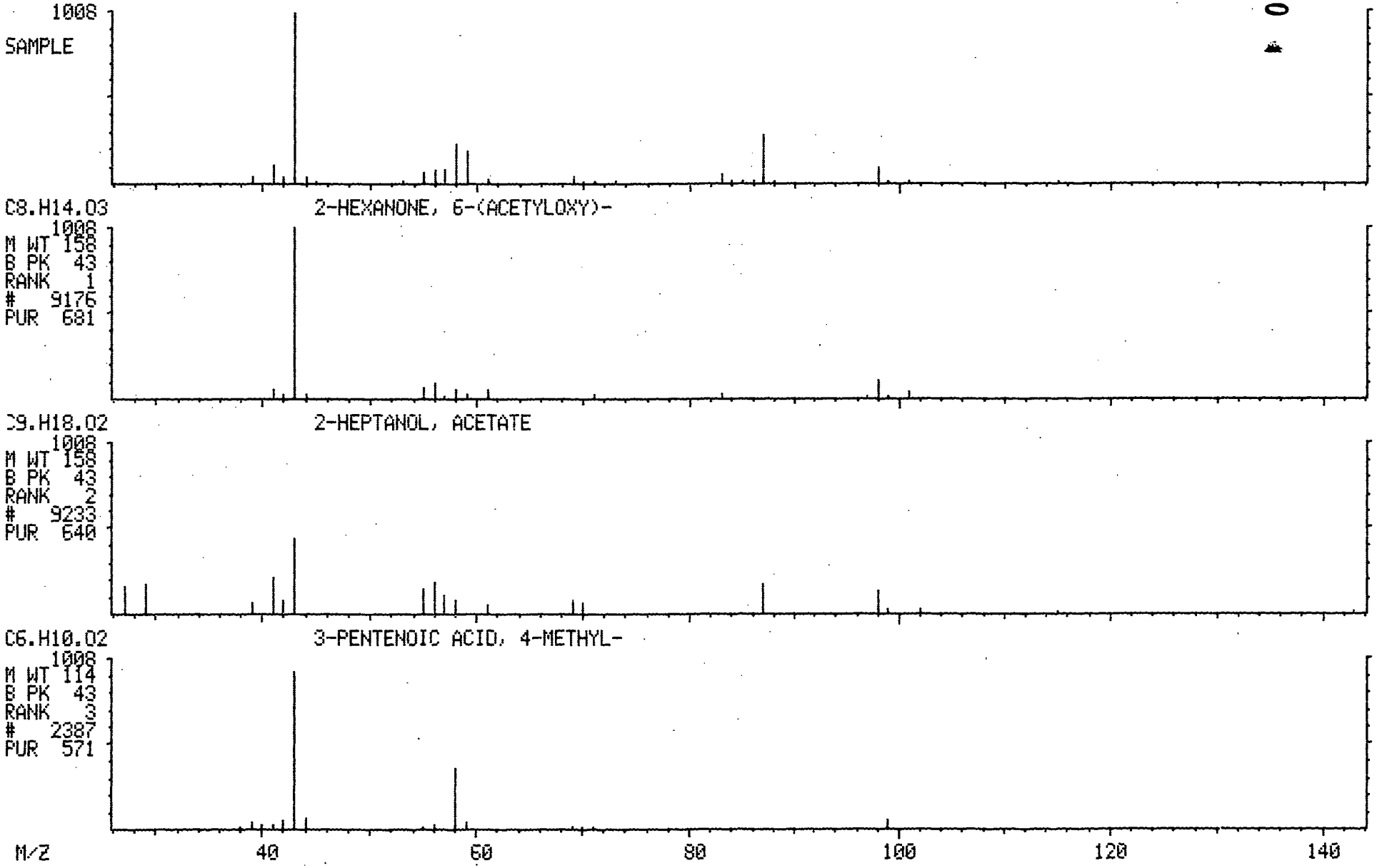
$\frac{226305}{337524}(c)\left(\frac{1}{.76}\right) = 1200.$

MID LIBRARY SEARCH
06/15/91 23:13:00 + 8:53
SAMPLE: S4 91-13588
CONDS.: MS-B CASE: EOH0022
ENHANCED (S 15B 2N 0T)

DATA: AD32513588 # 553
CALI: AD32513588 # 2

BASE M/Z: 43
RIC: 79359.

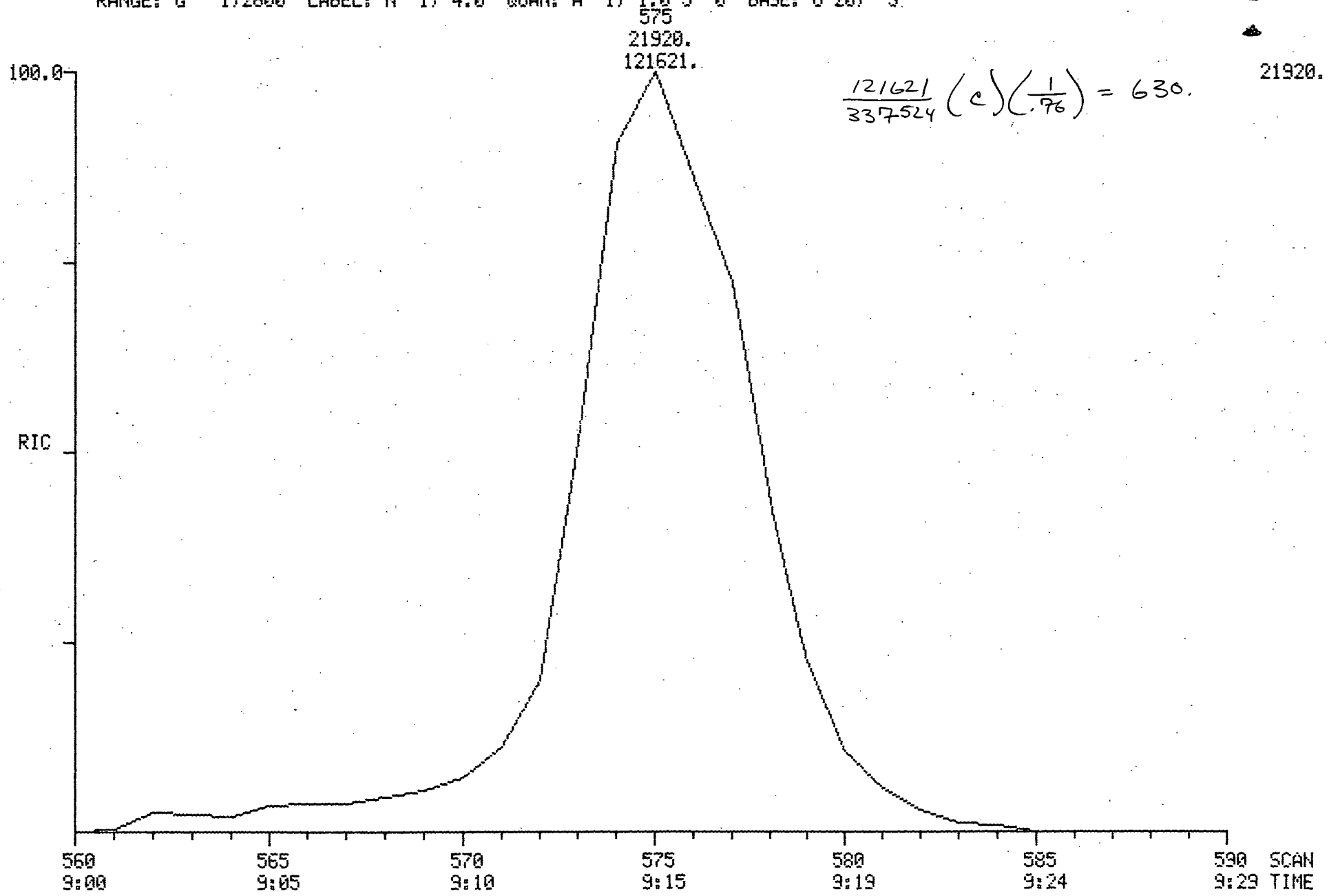
00517



MIDRIC
06/15/91 23:13:00
SAMPLE: S4 91-13588
CONDS.: MS-B CASE: EOH0022
RANGE: G 1,2800 LABEL: N 1, 4.0 QUAN: A 1, 1.0 J 0 BASE: U 20, 3

DATA: AD32513588 #1 SCANS 560 TO 590
CALI: AD32513588 #2

00518



$\frac{121621}{337524}(c)\left(\frac{1}{.96}\right) = 630.$

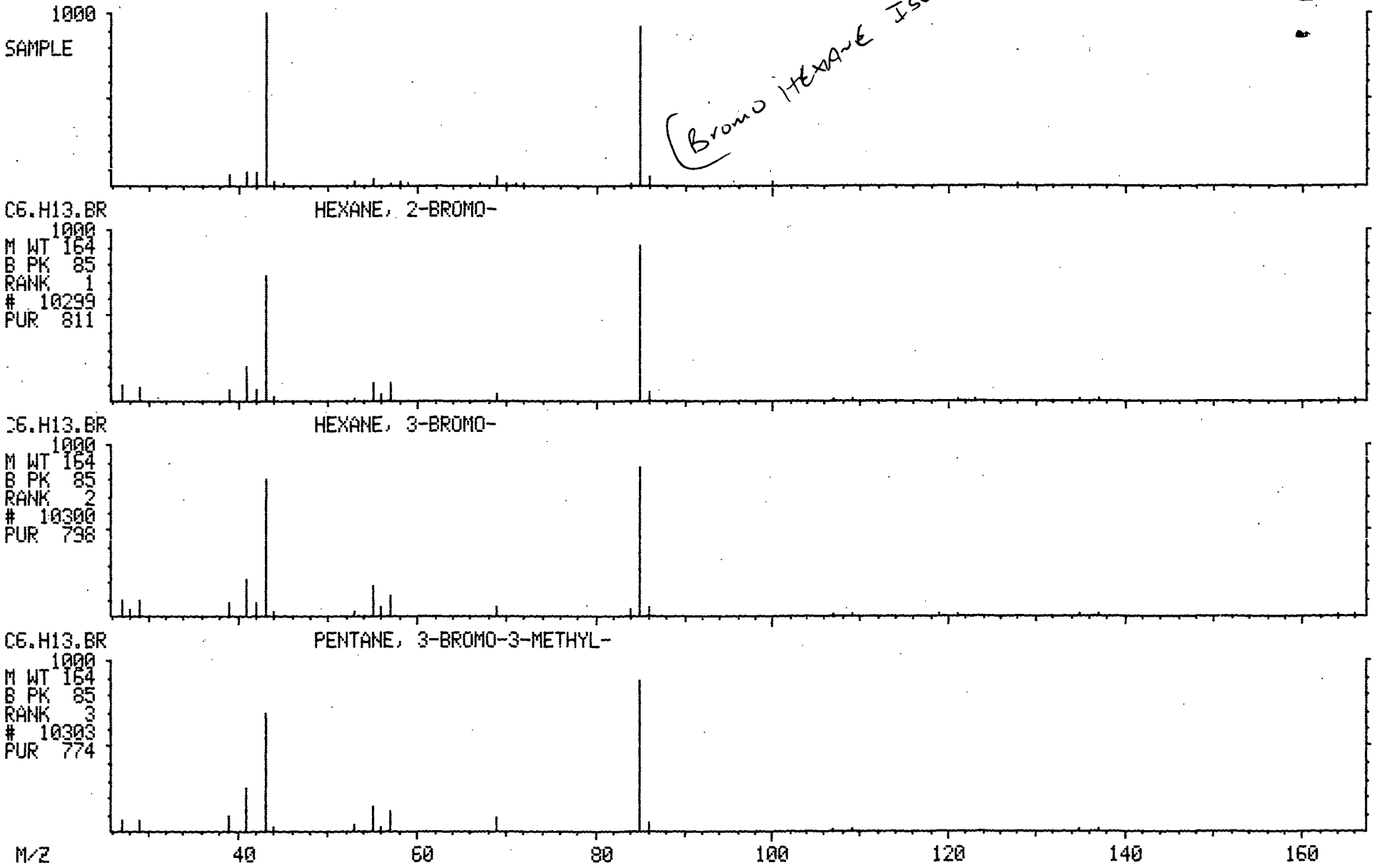
MID LIBRARY SEARCH
06/15/91 23:13:00 + 9:15
SAMPLE: S4 91-13588
CONDS.: MS-B CASE: EOH0022
ENHANCED (S 15B 2N 0T)

DATA: AD32513588 # 575
CALI: AD32513588 # 2

BASE M/Z: 43
RIC: 20127.

00519

(Bromo Hexane Isomer)



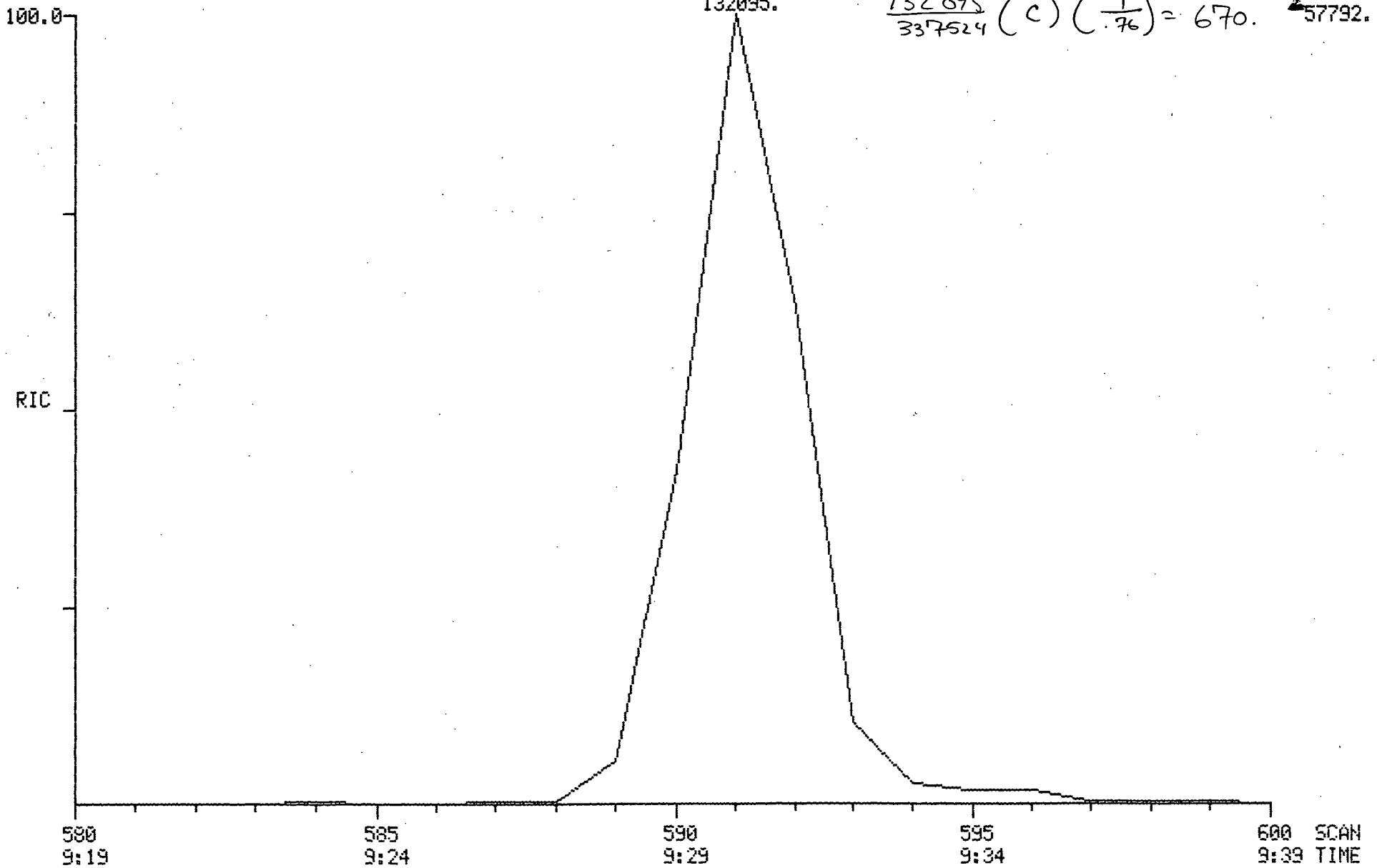
MIDRIC
06/15/91 23:13:00
SAMPLE: S4 91-13588
CONDS.: MS-B CASE: EOH0022
RANGE: G 1,2800 LABEL: N 1, 4.0 QUAN: A 1, 1.0 J 0 BASE: U 20, 3

DATA: AD32513588 #1 SCANS 580 TO 600
CALI: AD32513588 #2

00520

591
57792.
132095.

$\frac{132095}{337524}(c)\left(\frac{1}{.76}\right) = 670.$

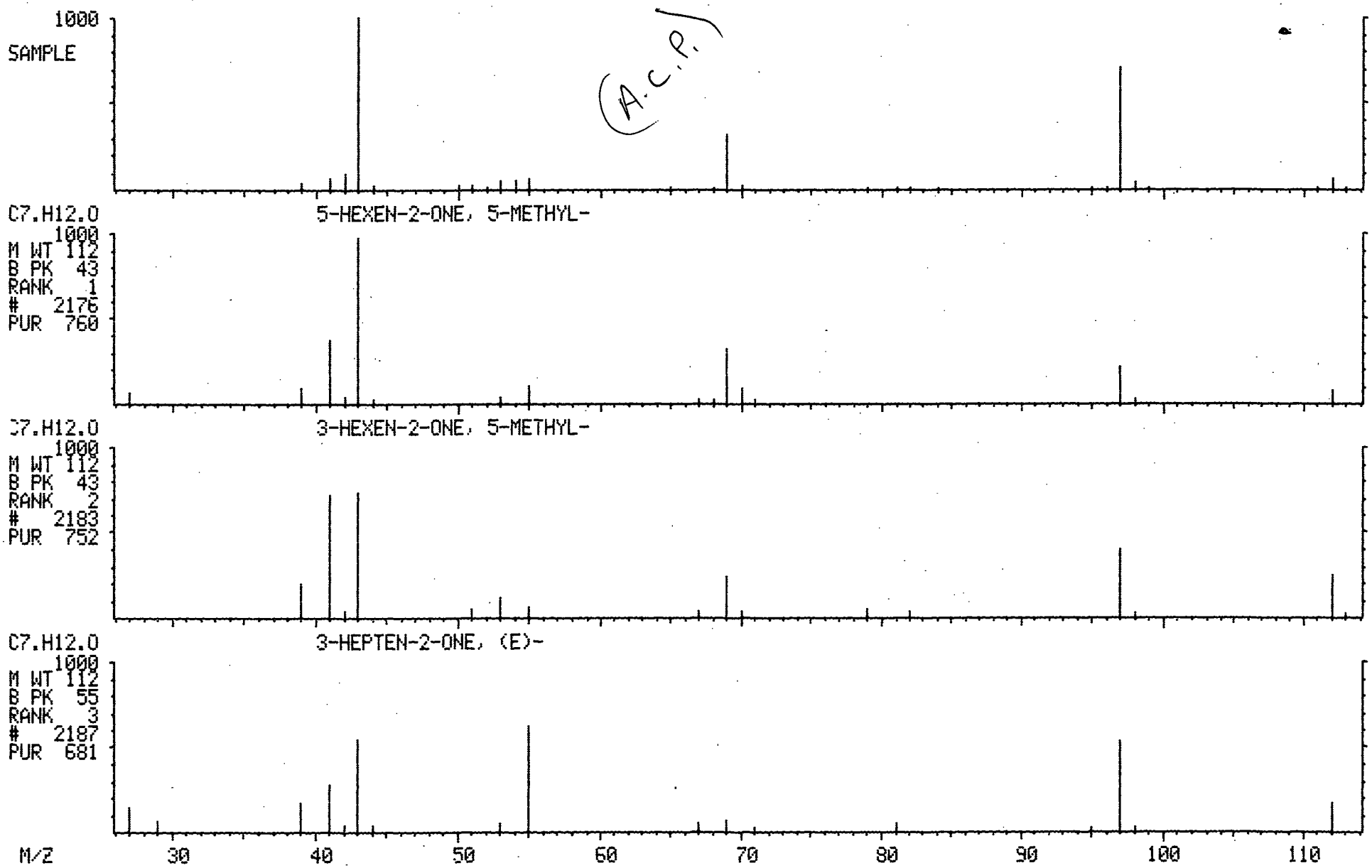


MID LIBRARY SEARCH
06/15/91 23:13:00 + 9:30
SAMPLE: S4 91-13588
CONDS.: MS-B CASE: EOH0022
ENHANCED (S 15B 2N 0T)

DATA: AD32513588 # 591 BASE M/Z: 43
CALI: AD32513588 # 2 RIC: 47295.

00521

(A.C.P.)

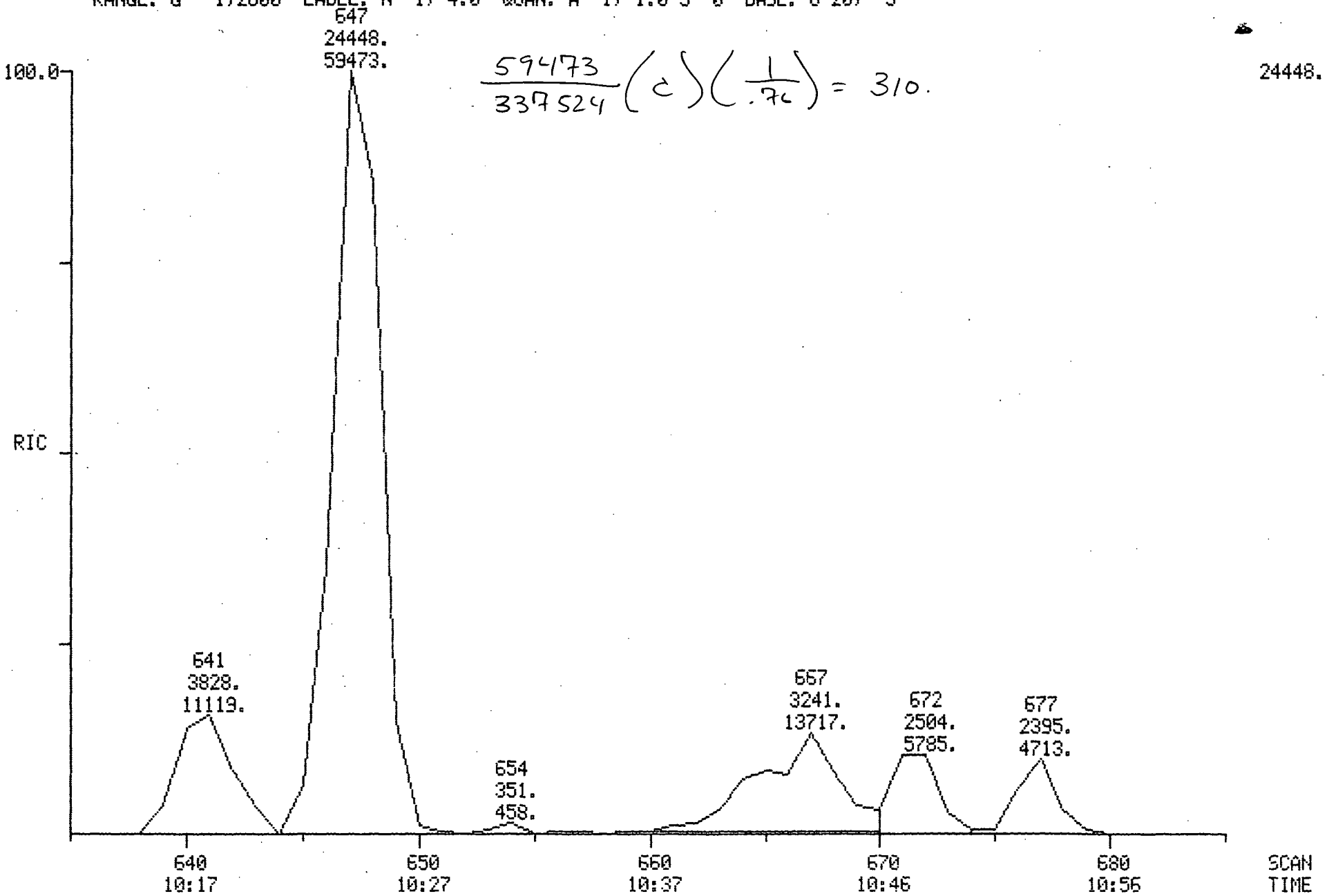


MIDRIC
06/15/91 23:13:00
SAMPLE: S4 91-13588
CONDS.: MS-B CASE: EOH0022
RANGE: G 1,2800 LABEL: N 1, 4.0 QUAN: A 1, 1.0 J 0 BASE: U 20, 3

DATA: AD32513588 #1 SCANS 635 TO 685
CALI: AD32513588 #2

00522

$$\frac{59473}{337524}(c)\left(\frac{1}{.76}\right) = 310.$$



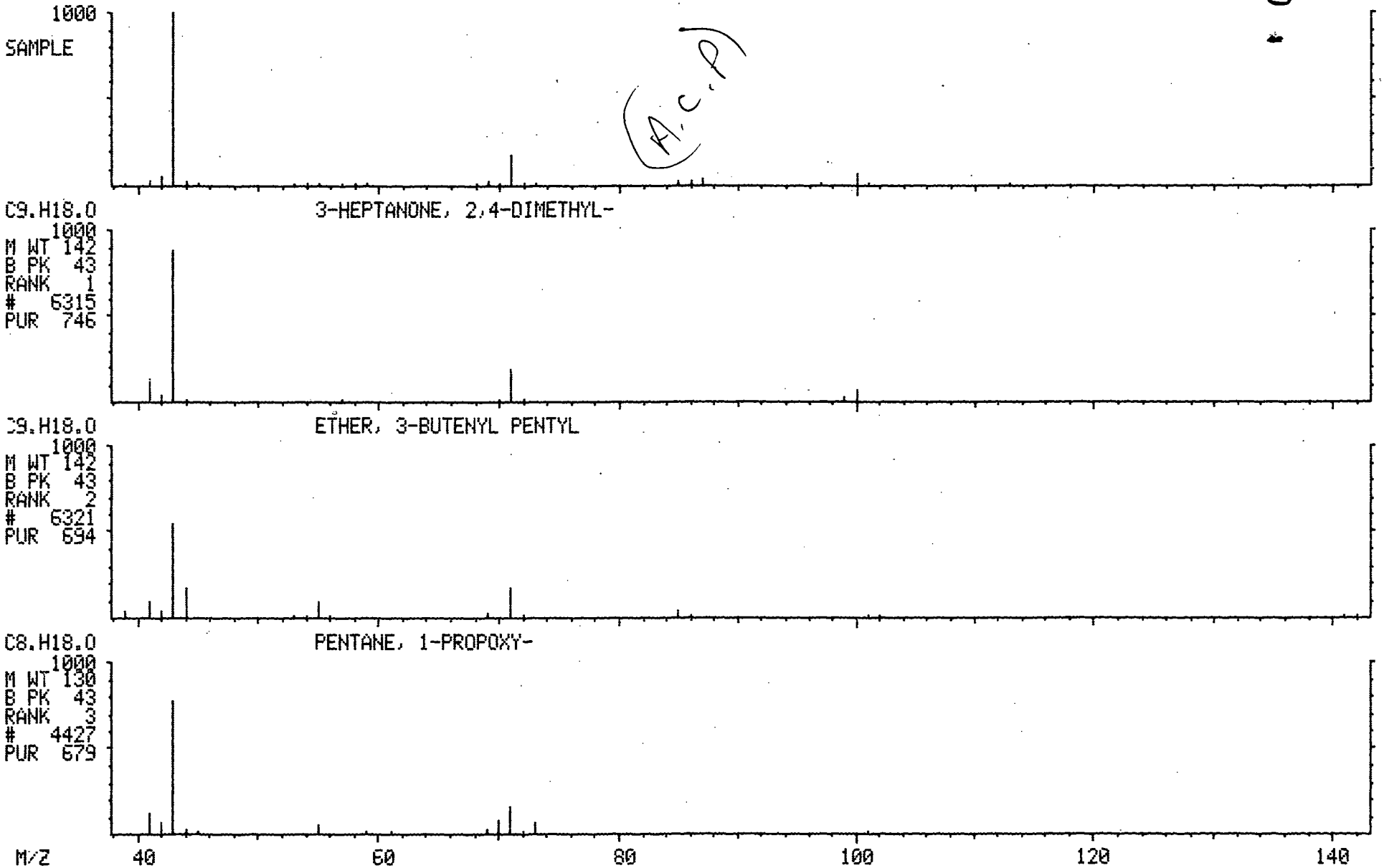
MID LIBRARY SEARCH
06/15/91 23:13:00 + 10:24
SAMPLE: S4 91-13588
CONDS.: MS-B CASE: EOH0022
ENHANCED (S 15B 2N 0T)

DATA: AD32513588 # 647
CALI: AD32513588 # 2

BASE M/Z: 43
RIC: 21503.

00523

(A.C.P)

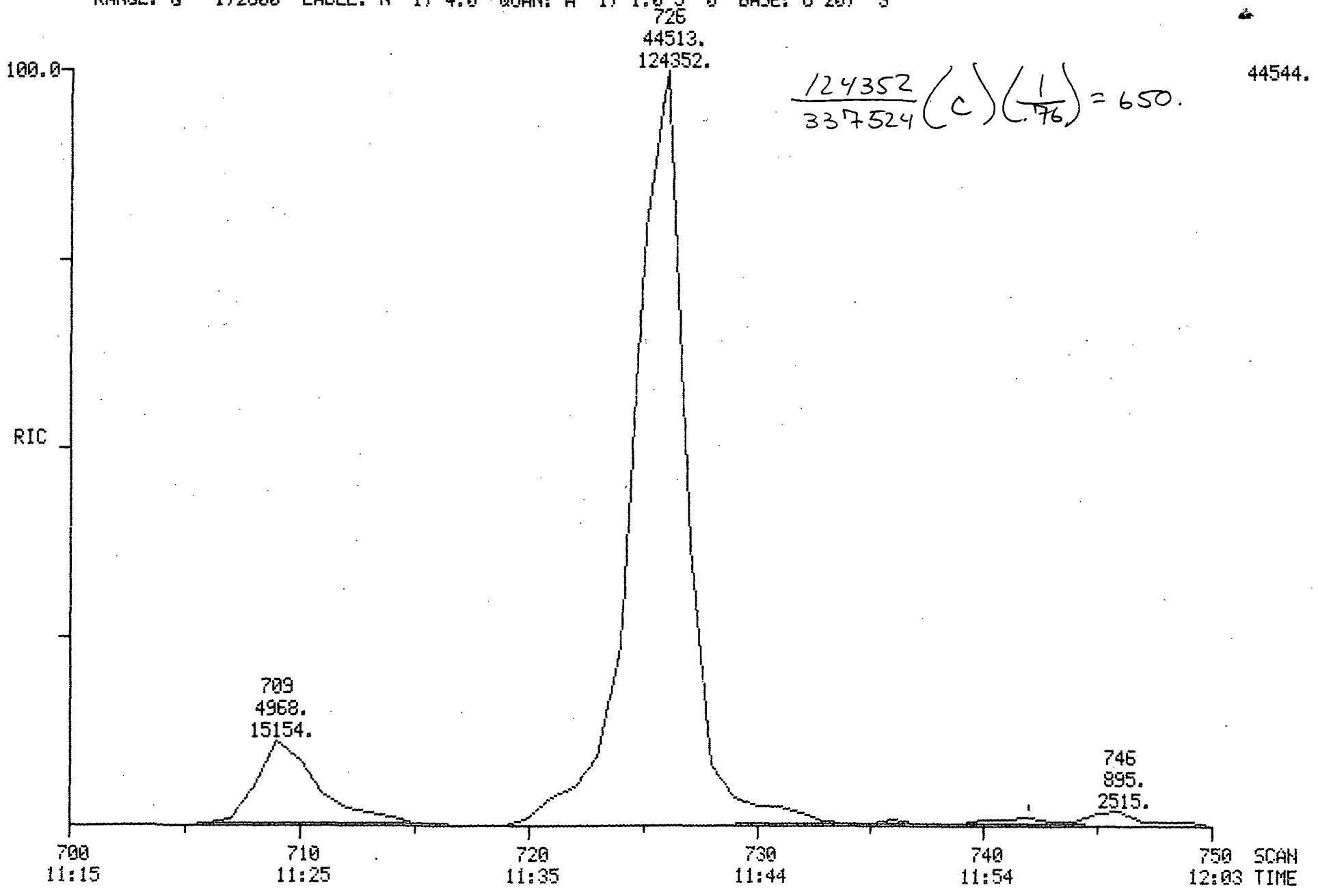


MIDRIC
06/15/91 23:13:00
SAMPLE: S4 91-13588
CONDS.: MS-B CASE: EOH0022
RANGE: G 1,2800 LABEL: N 1, 4.0 QUAN: A 1, 1.0 J 0 BASE: U 20, 3

DATA: AD32513588 #1
CALI: AD32513588 #2

SCANS 700 TO 750

00524



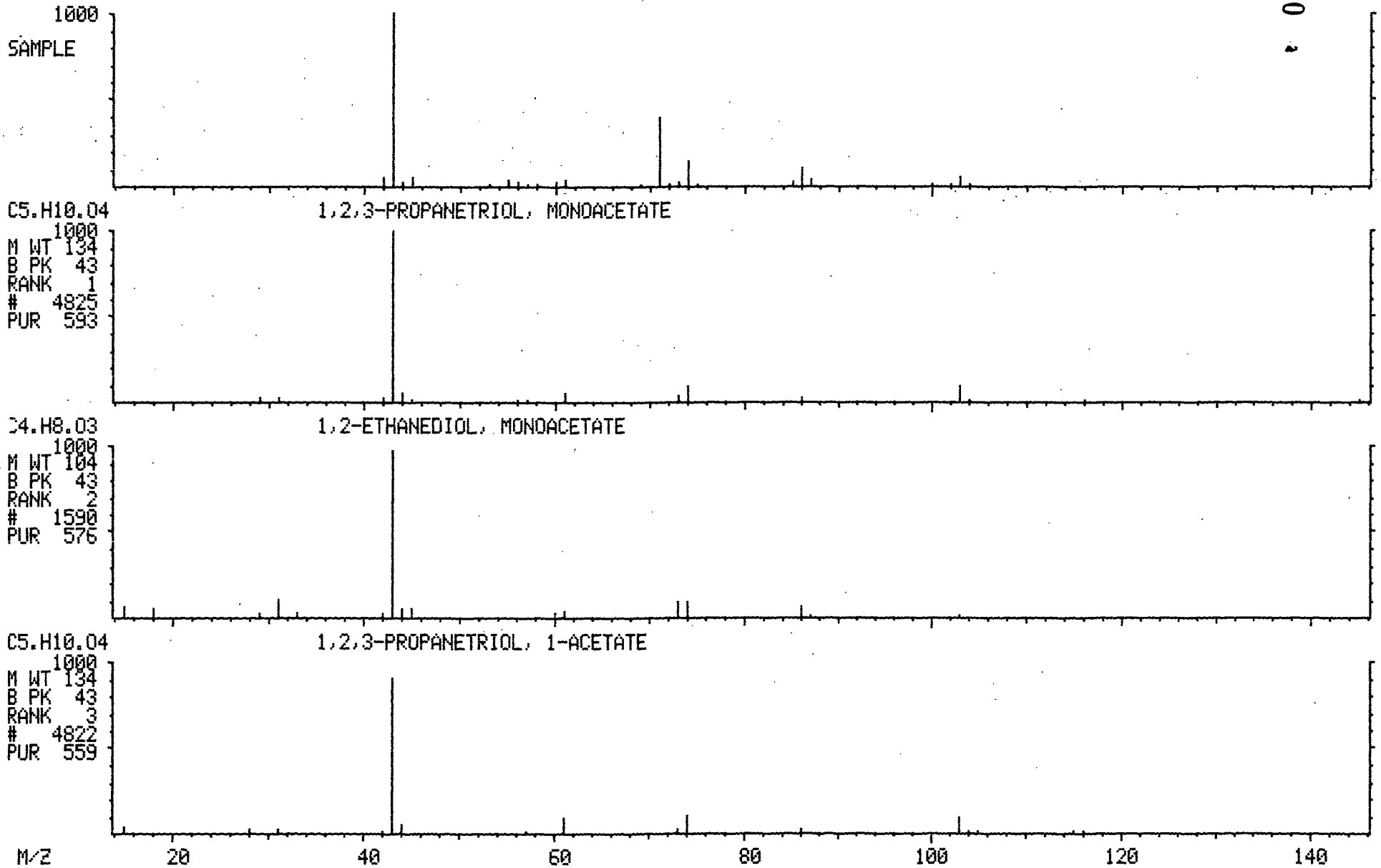
$\frac{124352}{337524}(c)\left(\frac{1}{.76}\right) = 650.$

MID LIBRARY SEARCH
06/15/91 23:13:00 + 11:40
SAMPLE: S4 91-13588
CONDS.: MS-B CASE: EDH0022
ENHANCED (S 15B 2N 0T)

DATA: AD32513588 # 726
CALI: AD32513588 # 2

BASE M/Z: 43
RIC: 37439.

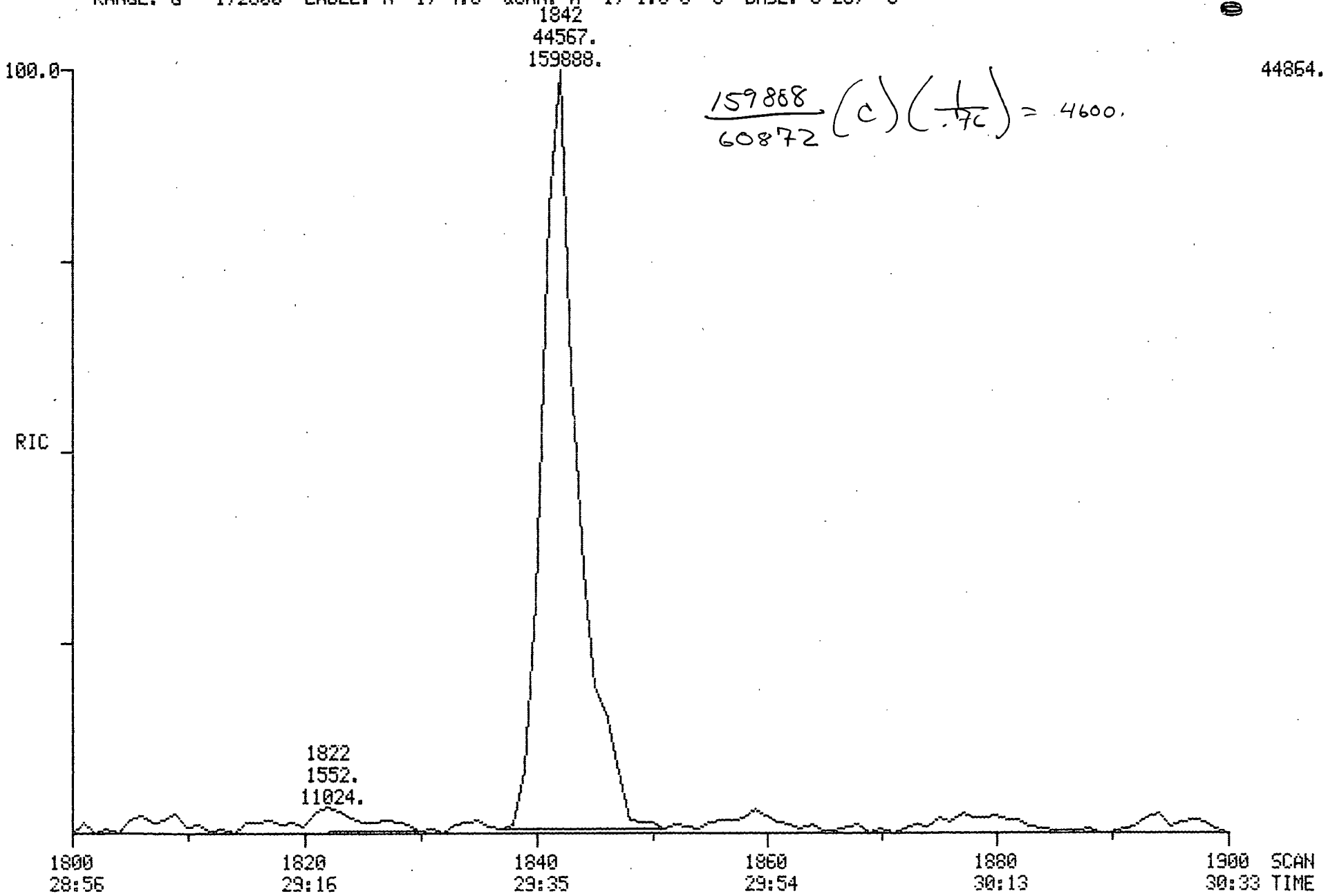
00525



MIDRIC
06/15/91 23:13:00
SAMPLE: S4 91-13588
CONDS.: MS-B CASE: EOH0022
RANGE: G 1,2800 LABEL: N 1, 4.0 QUAN: A 1, 1.0 J 0 BASE: U 20, 3

DATA: AD32513588 #1 SCANS 1800 TO 1900
CALI: AD32513588 #2

00526



$\frac{159888}{60872}(c)\left(\frac{1}{.7c}\right) = 4600.$

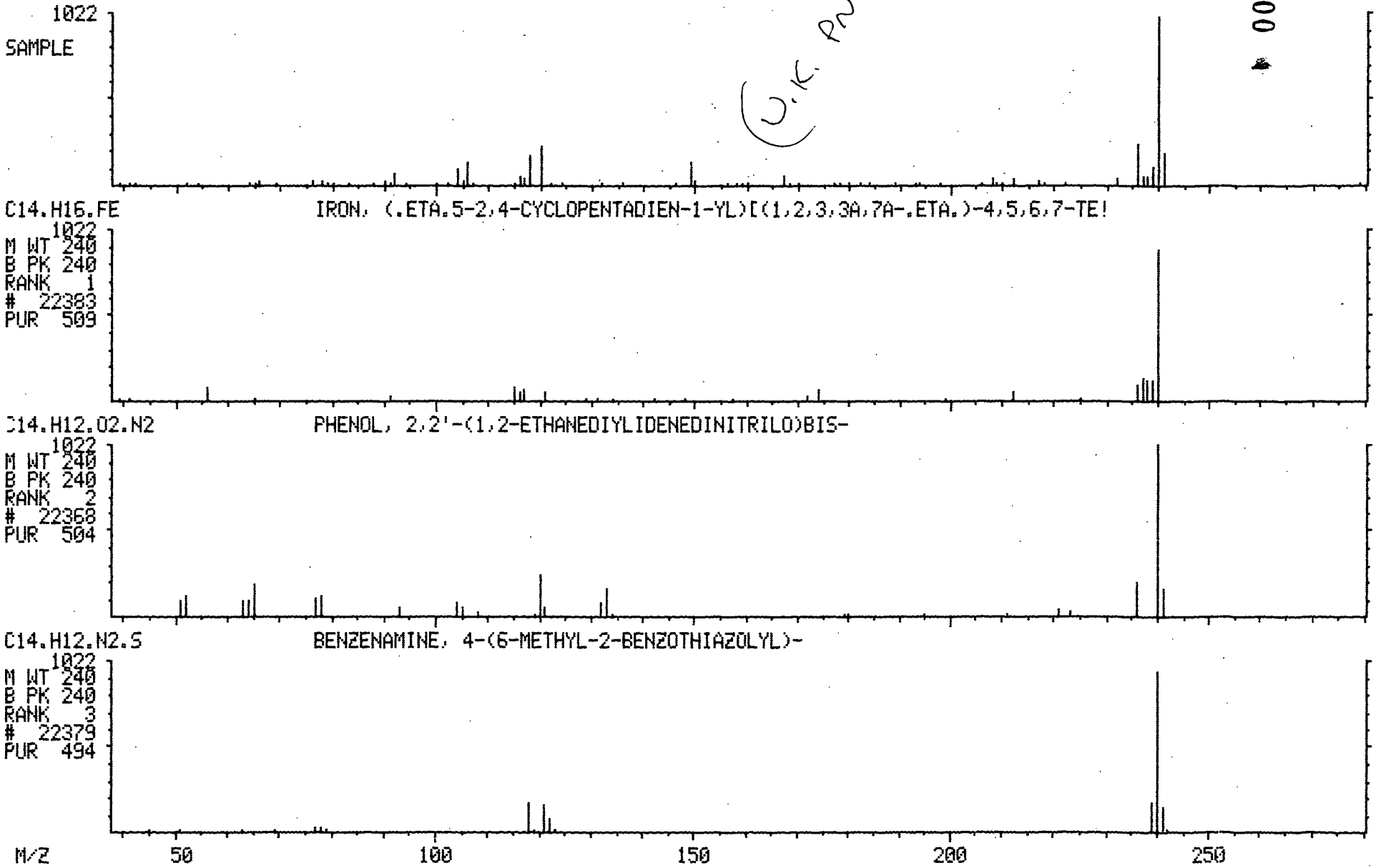
MID LIBRARY SEARCH
06/15/91 23:13:00 + 29:37
SAMPLE: S4 91-13588
CONDS.: MS-B CASE: EOH0022
ENHANCED (S 15B 2N 0T)

DATA: AD32513588 #1842
CALI: AD32513588 # 2

BASE M/Z: 240
RIC: 34751.

00527

(U.K. PNA)



1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

55

Lab Name: DATACHEM LABS Contract: 19005

Lab Code: DATAC Case No.: E0H002 SAS No.: _____ SDG No.: 13585

Matrix: (soil/water) SOIL Lab Sample ID: 91-13589

Sample wt/vol: 30 (g/mL) G Lab File ID: AD34S13589

Level: (low/med) LOW Date Received: 06/07/91

% Moisture: not dec. _____ dec. 11. Date Extracted: 06/14/91

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 06/16/91

GPC Cleanup: (Y/N) N pH: 5.0 Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	370.	
111-44-4	bis(2-Chloroethyl)ether	370.	u
95-57-8	2-Chlorophenol	370.	u
541-73-1	1,3-Dichlorobenzene	370.	u
106-46-7	1,4-Dichlorobenzene	370.	u
100-51-6	Benzyl alcohol	370.	u
95-50-1	1,2-Dichlorobenzene	370.	u
95-48-7	2-Methylphenol	370.	u
108-60-1	bis(2-Chloroisopropyl)ether	370.	u
106-44-5	4-Methylphenol	370.	u
621-64-7	N-Nitroso-di-n-propylamine	370.	u
67-72-1	Hexachloroethane	370.	u
98-95-3	Nitrobenzene	370.	u
78-59-1	Isophorone	370.	u
88-75-5	2-Nitrophenol	370.	u
105-67-9	2,4-Dimethylphenol	370.	u
65-85-0	Benzoic acid	1800.	u
111-91-1	bis(2-Chloroethoxy)methane	370.	u
120-83-2	2,4-Dichlorophenol	370.	u
120-82-1	1,2,4-Trichlorobenzene	370.	u
91-20-3	Naphthalene	370.	u
106-47-8	4-Chloroaniline	370.	u
87-68-3	Hexachlorobutadiene	370.	u
59-50-7	4-Chloro-3-methylphenol	370.	u
91-57-6	2-Methylnaphthalene	370.	u
77-47-4	Hexachlorocyclopentadiene	370.	u
88-06-2	2,4,6-Trichlorophenol	370.	u
95-95-4	2,4,5-Trichlorophenol	1800.	u
91-58-7	2-Chloronaphthalene	370.	u
88-74-4	2-Nitroaniline	1800.	u
131-11-3	Dimethylphthalate	370.	u
208-96-8	Acenaphthylene	370.	u
606-20-2	2,6-Dinitrotoluene	370.	u

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S5

Lab Name: DATACHEM LABS Contract: 19005

Lab Code: DATAC Case No.: EOH0022 SAS No.: _____ SDG No.: 13585

Matrix: (soil/water) SOIL Lab Sample ID: 91-13589

Sample wt/vol: 30 (g/mL) G Lab File ID: AD34S13589

Level: (low/med) LOW Date Received: 06/07/91

% Moisture: not dec. _____ dec. 11. Date Extracted: 06/14/91

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 06/16/91

GPC Cleanup: (Y/N) N pH: 5.0 Dilution Factor: 1.0

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

CAS NO.	COMPOUND		Q
99-09-2	3-Nitroaniline	1800.	u
83-32-9	Acenaphthene	370.	u
51-28-5	2,4-Dinitrophenol	1800.	u
100-02-7	4-Nitrophenol	1800.	u
132-64-9	Dibenzofuran	370.	u
121-14-2	2,4-Dinitrotoluene	370.	u
84-66-2	Diethylphthalate	40.	~~u~~ J
7005-72-3	4-Chlorophenyl-phenylether	370.	u
86-73-7	Fluorene	52.	J
100-01-6	4-Nitroaniline	1800.	u
534-52-1	4,6-Dinitro-2-methylphenol	1800.	u
86-30-6	N-Nitrosodiphenylamine (1)	370.	u
101-55-3	4-Bromophenyl-phenylether	370.	u
118-74-1	Hexachlorobenzene	370.	u
87-86-5	Pentachlorophenol	1800.	u
85-01-8	Phenanthrene	600.	
120-12-7	Anthracene	370.	u
84-74-2	Di-n-butylphthalate	370.	u
206-44-0	Fluoranthene	1300.	
129-00-0	Pyrene	1100.	
85-68-7	Butylbenzylphthalate	370.	u
91-94-1	3,3'-Dichlorobenzidine	740.	u
56-55-3	Benzo(a)anthracene	650.	
218-01-9	Chrysene	650.	
117-81-7	bis(2-Ethylhexyl)phthalate	620.	B
117-84-0	Di-n-octylphthalate	370.	u
205-99-2	Benzo(b)fluoranthene	1200.	
207-08-9	Benzo(k)fluoranthene	370.	u
50-32-8	Benzo(a)pyrene	700.	
193-39-5	Indeno(1,2,3-cd)pyrene	370.	u
53-70-3	Dibenz(a,h)anthracene	370.	u
191-24-2	Benzo(g,h,i)perylene	430.	~~u~~ NO QUALIFIER

(1) - Cannot be separated from Diphenylamine

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

S5

Lab Name: DATACHEM LABS Contract: _____

Lab Code: DATAC Case No.: E040022 SAS No.: _____ SDG No.: 13585

Matrix: (soil/water) SOIL Lab Sample ID: 91-13589

Sample wt/vol: 30 (g/mL) G Lab File ID: AD34S13589

Level: (low/med) LOW Date Received: 06/07/91

% Moisture: not dec. _____ dec. 11. Date Extracted: 06/14/91

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 06/16/91

GPC Cleanup: (Y/N) N pH: 5.0 Dilution Factor: 1.0

Number TICs found: 8

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	ALDOL CONDENSATION PRODUCT	6:14	3700.	AJB
2.	ALDOL CONDENSATION PRODUCT	7:02	43000.	AJB
3.	ALDOL CONDENSATION PRODUCT	8:32	840.	AJ
4.	ALDOL CONDENSATION PRODUCT	9:54	680.	AJB
5.	ALDOL CONDENSATION PRODUCT	9:10	370.	AJ
6.	ALDOL CONDENSATION PRODUCT	10:04	280.	AJ
7.	ALDOL CONDENSATION PRODUCT	11:19	360.	AJ
8.	UNKNOWN PNA	29:17	7000.	AJ
9.				
10.				
11.				
12.				
13.				
14.				
15.				
16.				
17.				
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21.				
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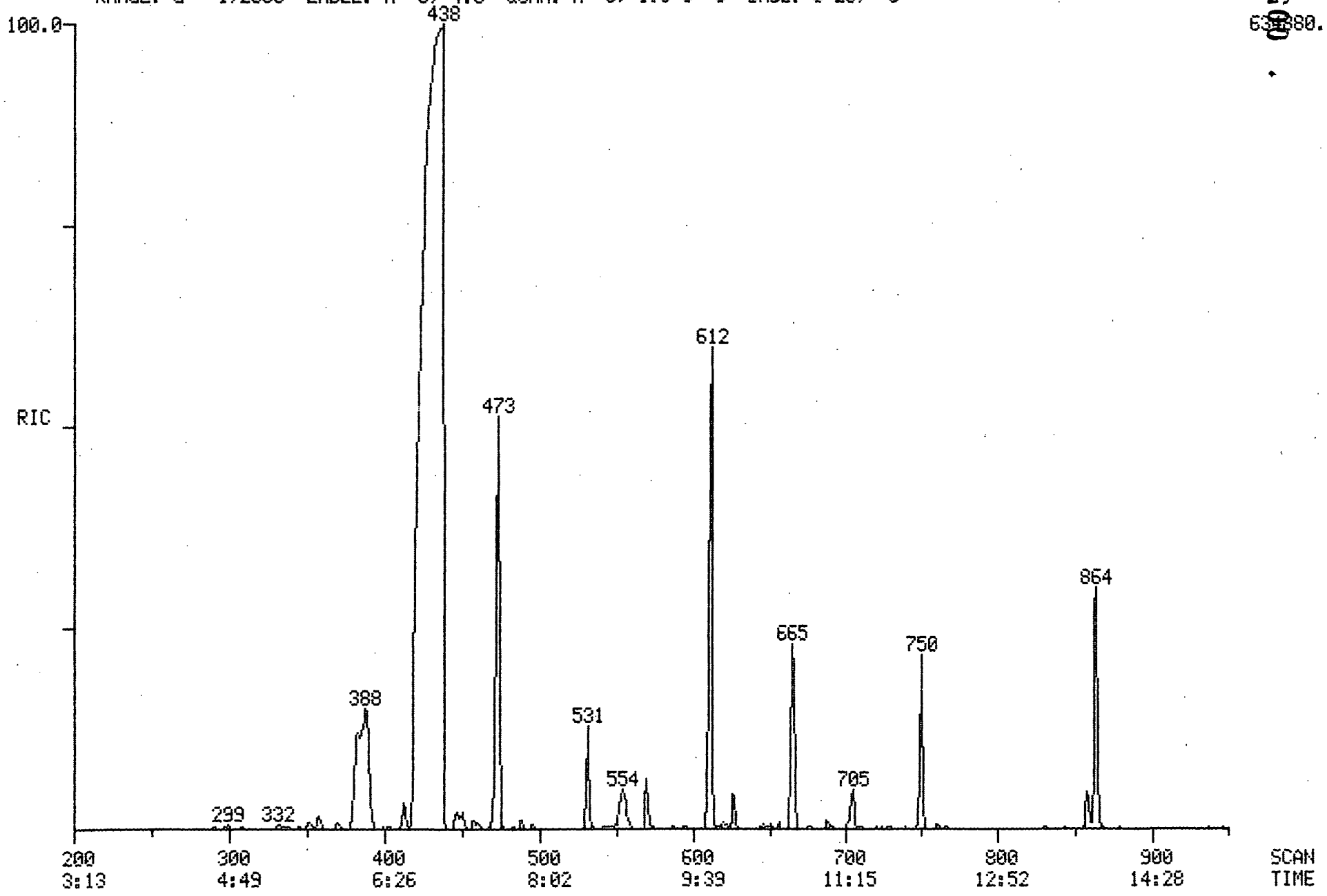
27.				
28.				
29.				
30.				

MIDRIC
06/16/91 1:02:00
SAMPLE: S5 91-13589
CONDS.: MS-B CASE: EOH0022
RANGE: G 1,2800 LABEL: N 0, 4.0 QUAN: A 0, 1.0 J 0 BASE: U 20, 3

DATA: AD34513589 #1 SCANS 200 TO 950
CALI: AD34513589 #2

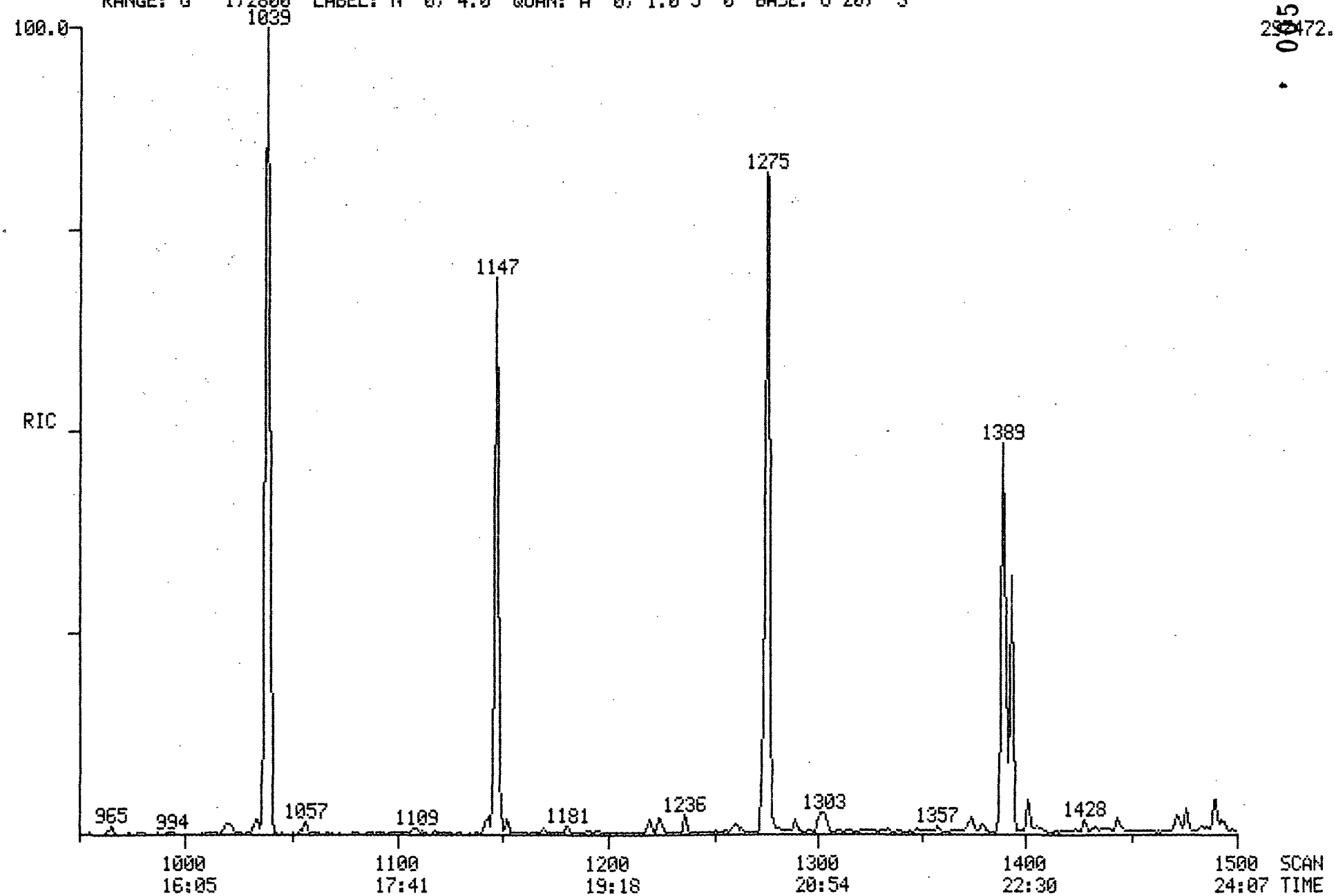
T.J. Masoni
6·17·91



0531

MIDRIC
06/16/91 1:02:00
SAMPLE: S5 91-13589
CONDS.: MS-B CASE: EOH0022
RANGE: G 1,2800 LABEL: N 0, 4.0 QUAN: A 0, 1.0 J 0 BASE: U 20, 3

DATA: AD34S13589 #1 SCANS 950 TO 1500
CALI: AD34S13589 #2

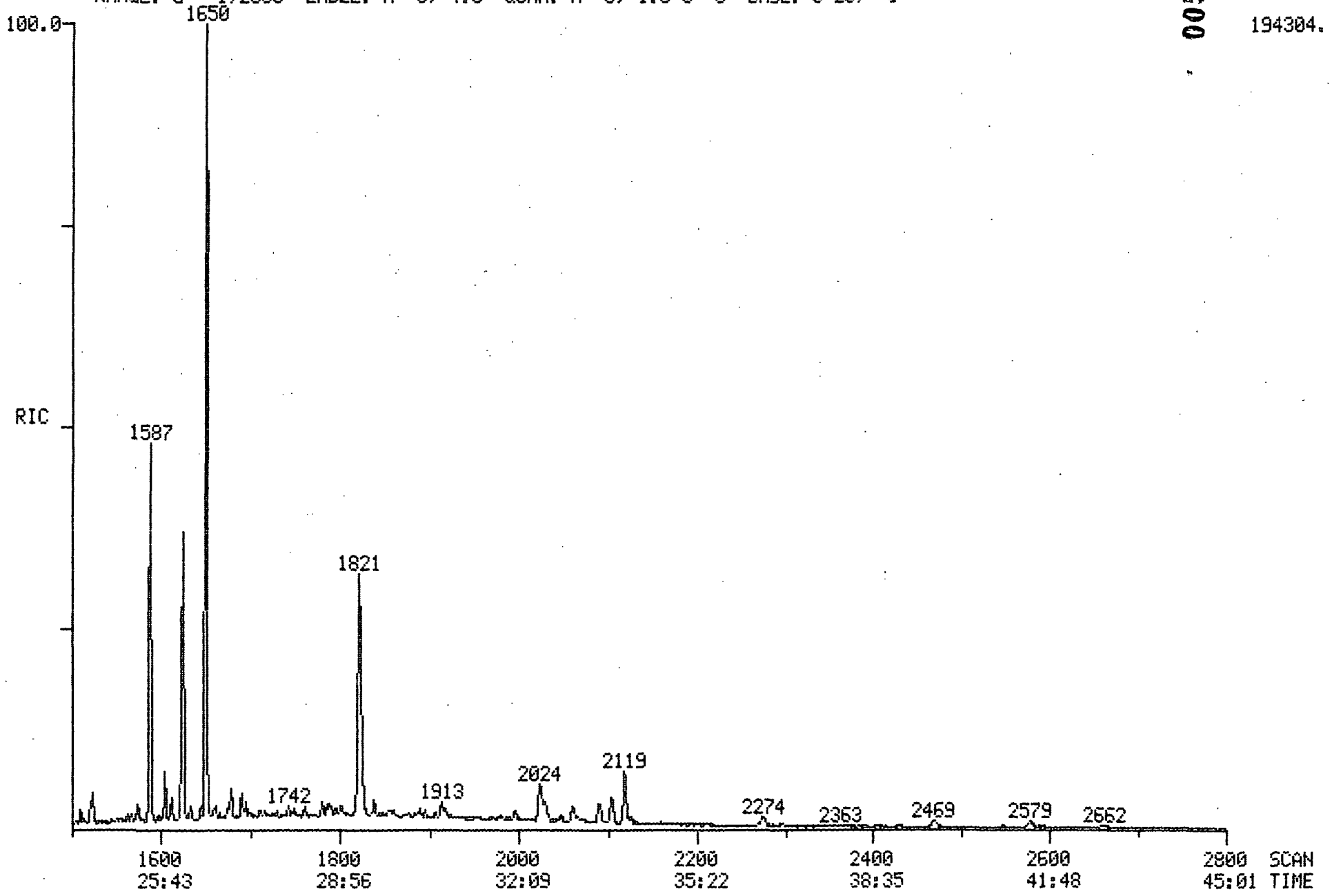


00532

MIDRIC
06/16/91 1:02:00
SAMPLE: S5 91-13589
CONDS.: MS-B CASE: EOH0022
RANGE: G 1,2800 LABEL: N 0, 4.0 QUAN: A 0, 1.0 J 0 BASE: U 20, 3

DATA: AD34513589 #1 SCANS 1500 TO 2800
CALI: AD34513589 #2

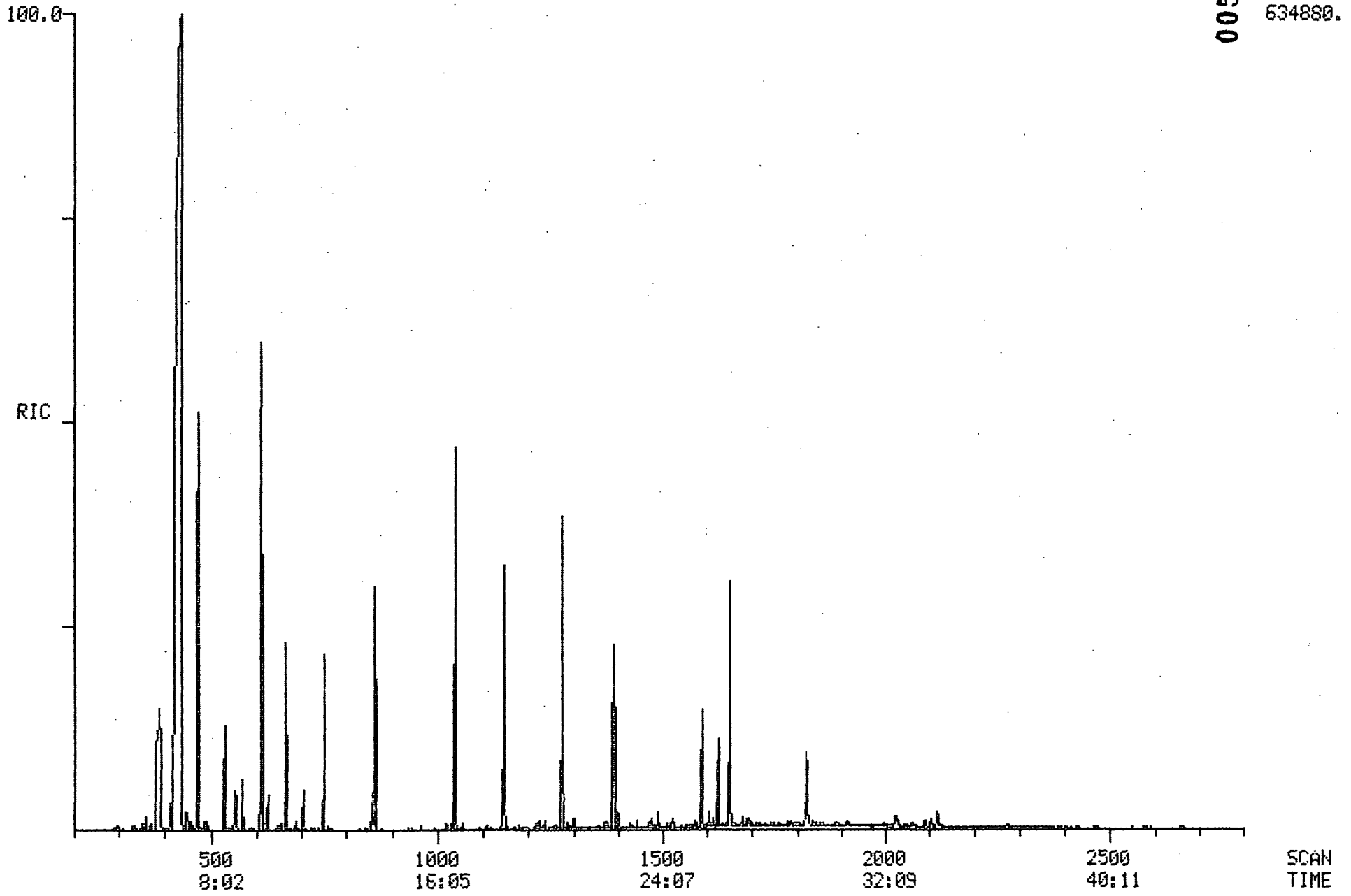
00533



MIDRIC
06/16/91 1:02:00
SAMPLE: S5 91-13589
CONDS.: MS-B CASE: EOH0022
RANGE: G 1,2800 LABEL: N 0, 4.0 QUAN: A 0, 1.0 J 0 BASE: U 20, 3

DATA: AD34513589 #1 SCANS 200 TO 2800
CALI: AD34513589 #2

00534



PROCEDURE: TCA DIAGNOSTIC REPORT 6/17/91 1:49:06
DATA FILE: AD34S13589
REFERENCE: 82711
NAME LIST: 8270 INITIALIZATION OPTION: 4 PROCESSING OPTION: 3
REPORT: DSISTD

< ---- STANDARDS -----				>< --- PLUS UNKNOWNS ---				>< - LIST NAMES - >
PROC	USED	POSS	RMS	PROC	USED	POSS	RMS	STANDARD/UNKNOWN
6	4	1	30	12	12	1	111	DSISTD/DSSURR
6	6	1	27	21	6	1	27	DSISTD/82701
6	6	1	27	21	6	1	27	DSISTD/82702
6	6	1	27	21	7	1	54	DSISTD/82703
6	6	1	27	21	7	1	57	DSISTD/82704
6	6	1	27	21	10	2	310	DSISTD/82705
6	6	1	27	21	12	32	77	DSISTD/82706

102 COMPOUNDS PROCESSED, 22 FOUND

< COMPOUND ><					---------- SEARCH ----------			>< SAT		>< ------ CHRO ------			
NO	LIB	ENTRY	REF	PRED	SEL	DELTA	PEAKS	FIT	PEAKS	M/Z	TOP	DELTA	PEAKS
1	DS	1	-683	665	665	.	1	977	.	152	665	.	1
2	DS	2	-882	864	.	.	.	.	.	136	863	.	1
3	DS	3	-1165	1147	1147	.	1	944	.	164	1147	.	1
4	DS	4	-1407	1389	1389	.	1	992	.	188	1389	.	1
5	DS	5	-1839	1822	.	.	.	.	.	240	1821	.	1
6	DS	6	-2136	2119	2119	.	1	917	.	264	2119	.	1
7	DS	7	-488	470	473	3	1	979	.	112	473	.	1
8	DS	8	-630	612	612	.	1	960	-1	99	612	.	1
9	DS	9	-769	751	750	-1	1	984	.	82	750	.	1
10	DS	10	-1057	1039	1039	.	1	980	.	172	1039	.	1
11	DS	11	-1294	1276	1275	-1	1	972	.	330	1275	.	1
12	DS	12	-1668	1650	1650	.	1	995	.	244	1650	.	1
13	DS	13	-263	244	.	.	.	.	.	42	.	.	.
14	DS	14	-393	375	.	.	.	.	.	93	.	.	.
15	DS	15	-462	444	.	.	.	.	.	80	.	.	.
16	DS	16	-569	551	.	.	.	.	.	79	.	.	.
17	DS	17	-632	614	.	.	.	.	.	94	613	.	1
18	DS	18	-634	616	.	.	.	.	.	93	.	.	.
19	DS	19	-646	628	.	.	.	.	.	93	.	.	.
20	DS	20	-651	633	.	.	.	.	.	128	633	.	1
21	DS	21	-674	656	.	.	.	.	.	146	.	.	.
22	DS	22	-686	668	.	.	.	.	.	146	.	.	.
23	DS	23	-706	688	.	.	.	.	.	108	.	.	.
24	DS	24	-708	690	.	.	.	.	.	146	.	.	.
25	DS	25	-723	705	.	.	.	.	.	108	.	.	.
26	DS	26	-727	709	.	.	.	.	.	45	.	.	.
27	DS	27	-723	705	.	.	.	.	.	108	.	.	.
28	DS	28	-749	731	.	.	.	.	.	70	.	.	.
29	DS	29	-761	743	.	.	.	.	.	117	.	.	.
30	DS	30	-747	729	.	.	.	.	.	105	.	.	.
31	DS	31	-773	755	.	.	.	.	.	77	.	.	.
32	DS	32	-797	779	.	.	.	.	.	42	.	.	.
33	DS	33	-811	793	.	.	.	.	.	82	.	.	.
34	DS	34	-822	804	.	.	.	.	.	139	.	.	.
35	DS	35	-830	812	.	.	.	.	.	122	.	.	.
36	DS	36	-846	828	.	.	.	.	.	93	.	.	.
37	DS	39	-860	842	.	.	.	.	.	162	.	.	.
38	DS	40	-873	855	.	.	.	.	.	180	.	.	.
39	DS	41	-885	867	.	.	.	.	.	128	867	.	1
40	DS	42	-895	877	.	.	.	.	.	127	.	.	.
41	DS	43	-896	878	.	.	.	.	.	162	.	.	.
42	DS	44	-906	888	.	.	.	.	.	225	.	.	.
43	DS	45	-951	933						84			

00535

44	DS	46	-973	955	.	.	.	.	.	107	.	.	.
45	DS	47	-997	979	.	.	.	.	.	142	978	.	1
46	DS	48	-1024	1006	.	.	.	.	.	216	.	.	.
47	DS	49	-1022	1004	.	.	.	.	.	237	.	.	.
48	DS	50	-1042	1024	.	.	.	.	.	196	.	.	.
49	DS	51	-1048	1030	.	.	.	.	.	196	.	.	.
50	DS	52	-1076	1058	.	.	.	.	.	162	.	.	.
51	DS	53	-1076	1058	.	.	.	.	.	162	.	.	.
52	DS	54	-1093	1075	.	.	.	.	.	65	.	.	.
53	DS	55	-1124	1106	.	.	.	.	.	163	.	.	.
54	DS	56	-1133	1115	.	.	.	.	.	165	.	.	.
55	DS	57	-1142	1124	.	.	.	.	.	152	1124	.	1
56	DS	58	-1160	1142	.	.	.	.	.	138	.	.	.
57	DS	59	-1171	1153	1152	-1	1	933	.	154	1152	.	1
58	DS	60	-1177	1159	.	.	.	.	.	184	.	.	.
59	DS	61	-1187	1169	.	.	.	.	.	139	.	.	.
60	DS	62	-1199	1181	.	.	.	.	.	168	1180	.	1
61	DS	63	-1199	1181	.	.	.	.	.	165	.	.	.
62	DS	64	-1192	1174	.	.	.	.	.	250	.	.	.
63	DS	65	-1212	1194	.	.	.	.	.	143	.	.	.
64	DS	66	-1219	1201	.	.	.	.	.	232	.	.	.
65	DS	67	-1225	1207	.	.	.	.	.	143	.	.	.
66	DS	68	-1239	1221	.	.	.	.	.	149	1219	.	1
67	DS	69	-1256	1238	.	.	.	.	.	204	.	.	.
68	DS	70	-1255	1237	1236	-1	1	903	.	166	1236	.	1
69	DS	71	-1259	1241	.	.	.	.	.	138	.	.	.
70	DS	72	-1264	1246	.	.	.	.	.	198	.	.	.
71	DS	73	-1276	1258	.	.	.	.	.	169	.	.	.
72	DS	74	-1282	1264	.	.	.	.	.	77	.	.	.
73	DS	75	-1335	1316	.	.	.	.	.	248	.	.	.
74	DS	76	-1327	1308	.	.	.	.	.	108	.	.	.
75	DS	78	-1344	1325	.	.	.	.	.	284	.	.	.
76	DS	79	-1378	1359	.	.	.	.	.	169	.	.	.
77	DS	81	-1376	1357	.	.	.	.	.	266	.	.	.
78	DS	83	-1388	1369	.	.	.	.	.	173	.	.	.
79	DS	84	-1379	1360	.	.	.	.	.	295	.	.	.
80	DS	85	-1412	1393	1393	.	2	973	.	178	1393	.	1
81	DS	86	-1420	1401	1393	-8	1	908	.	178	1393	.	1
82	DS	89	-1504	1485	.	.	.	.	.	149	1486	.	1
83	DS	92	-1605	1586	1587	1	1	985	.	202	1587	.	1
84	DS	93	-1642	1623	1624	1	1	985	.	202	1624	.	1
85	DS	96	-1627	1608	.	.	.	.	.	184	.	.	.
86	DS	98	-1691	1672	.	.	.	.	.	120	.	.	.
87	DS	103	-1748	1729	.	.	.	.	.	149	1730	.	1
88	DS	108	-1833	1815	.	.	.	.	.	252	.	.	.
89	DS	109	-1837	1819	1819	.	2	986	.	228	1819	.	1
90	DS	110	-1843	1825	1825	.	2	979	.	228	1825	.	1
91	DS	111	-1840	1822	1822	.	1	954	.	149	1823	1	1
92	DS	112	-1955	1937	.	.	.	.	.	149	.	.	.
93	DS	113	-2041	2023	.	.	.	.	.	256	.	.	.
94	DS	114	-2042	2024	2024	.	2	939	.	252	2024	.	1
95	DS	115	-2049	2031	2029	-2	2	951	.	252	.	.	.
96	DS	116	-2122	2104	2104	.	2	906	.	252	2104	.	1
97	DS	117	-2221	2203	.	.	.	.	.	268	.	.	.
98	DS	118	-2499	2481	.	.	.	.	.	276	.	.	.
99	DS	119	-2500	2482	.	.	.	.	.	278	.	.	.
100	DS	120	-2598	2580	.	.	.	.	.	276	2579	.	1
101	DS	128	-2421	2403	.	.	.	.	.	279	.	.	.
102	DS	37	-847	829	.	.	.	.	.	122	831	.	1

Quantitation Report File: AD34S13589

Data: AD34S13589.TI
06/16/91 1:02:00
Sample: S5 91-13589
Conds.: MS-B CASE: EOH0022
Submitted by: Analyst: JOHNSON

AMOUNT=AREA * REF AMNT/(REF AREA * RESP FACT)
Resp. fac. from Library Entry

No	Name
1	ISTD D4-1,4-DICHLOROBENZENE
2	ISTD D-8-NAPHTHALENE
3	ISTD ACENAPHTHENE-D10
4	INTERNAL STANDARD D-10-PHENANTHRENE
5	INTERNAL STANDARD D-12-CHRYSENE
6	ISTD D-12 PERYLENE
7	SURROGATE 2-FLUOROPHENOL
8	SURROGATE D-6-PHENOL
9	SURROGATE D5-NITROBENZENE
10	SURROGATE 2-FLUOROBIPHENYL
11	SURROGATE STANDARD 2,4,6-TRIBROMOPHENOL
12	SURROGATE STANDARD P-TERPHENYL D-14
13	N-NITROSODIMETHYLAMINE
14	2-PICOLINE
15	METHYL METHANESULFONATE
16	ETHYL METHANESULFONATE
17	C315 PHENOL
18	ANILINE
19	BIS(2-CHLOROETHYL)ETHER
20	2-CHLOROPHENOL
21	1,3-DICHLOROBENZENE
22	1,4-DICHLOROBENZENE
23	BENZYL ALCOHOL
24	1,2-DICHLOROBENZENE
25	2-METHYLPHENOL
26	BIS(2-CHLOROISOPROPYL)ETHER
27	4-METHYLPHENOL
28	N-NITROSO-DI-N-PROPYLAMINE
29	HEXACHLOROETHANE
30	ACETOPHENONE
31	NITROBENZENE
32	N-NITROSOPIPERIDINE
33	ISOPHORONE
34	2-NITROPHENOL
35	2,4-DIMETHYLPHENOL
36	BIS(2-CHLOROETHOXY)METHANE
37	2,4-DICHLOROPHENOL
38	1,2,4-TRICHLOROBENZENE
39	NAPHTHALENE
40	4-CHLOROANILINE
41	2,6-DICHLOROPHENOL
42	HEXACHLOROBUTADIENE
43	N-NITROSO-DI-N-BUTYLAMINE
44	4-CHLORO-3-METHYLPHENOL
45	2-METHYL NAPHTHALENE
46	1,2,4,5-TETRACHLOROBENZENE
47	HEXACHLOROCYCLOPENTADIENE
48	2,4,6-TRICHLOROPHENOL
49	2,4,5-TRICHLOROPHENOL
50	2-CHLORONAPHTHALENE

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount		%Tot
1	152	665	10:41	1	1.000	A BB	43296.	40.000	UG	1.00
2	136	863	13:52	2	1.000	A BB	174384.	40.000	UG	1.00
3	164	1147	18:26	3	1.000	A BB	91014.	40.000	UG	1.00
4	188	1389	22:20	4	1.000	A BV	109470.	40.000	UG	1.00
5	240	1821	29:17	5	1.000	A BB	34364.	40.000	UG	1.00
6	264	2119	34:04	6	1.000	A BB	18819.	40.000	UG	1.00
7	112	473	7:36	1	0.711	A BB	168230.	95.946	UG	2.41
8	99	612	9:50	1	0.920	A BB	290928.	109.321	UG	2.74
9	82	750	12:03	2	0.869	A BB	111769.	44.472	UG	1.12
10	172	1039	16:42	3	0.906	A BB	177282.	62.980	UG	1.58
11	330	1275	20:30	3	1.112	A BB	47396.	167.816	UG	4.21
12	244	1650	26:32	5	0.906	A BB	134140.	76.579	UG	1.92
13	NOT FOUND									
14	NOT FOUND									
15	NOT FOUND									
16	NOT FOUND									
~~17~~	~~94~~	~~613~~	~~9:51~~	~~1~~	~~0.922~~	~~A BB~~	~~446.~~	~~0.157~~	~~UG~~	~~0.00~~ ms
18	NOT FOUND									
19	NOT FOUND									
~~20~~	~~120~~	~~653~~	~~10:11~~	~~1~~	~~0.952~~	~~A BB~~	~~203.~~	~~0.108~~	~~UG~~	~~0.00~~ ms
21	NOT FOUND									
22	NOT FOUND									
23	NOT FOUND									
24	NOT FOUND									
25	NOT FOUND									
26	NOT FOUND									
27	NOT FOUND									
28	NOT FOUND									
29	NOT FOUND									
30	NOT FOUND									
31	NOT FOUND									
32	NOT FOUND									
33	NOT FOUND									
34	NOT FOUND									
35	NOT FOUND									
36	NOT FOUND									
37	NOT FOUND									
38	NOT FOUND									
~~39~~	~~128~~	~~867~~	~~13:56~~	~~2~~	~~1.005~~	~~A BB~~	~~777.~~	~~0.155~~	~~UG~~	~~0.00~~ ms
40	NOT FOUND									
41	NOT FOUND									
42	NOT FOUND									
43	NOT FOUND									
44	NOT FOUND									
~~45~~	~~142~~	~~978~~	~~15:43~~	~~2~~	~~1.133~~	~~A BB~~	~~498.~~	~~0.135~~	~~UG~~	~~0.00~~ ms
46	NOT FOUND									
47	NOT FOUND									
48	NOT FOUND									
49	NOT FOUND									
50	NOT FOUND									

No	Ret(L)	Ratio	RRT(L)	Ratio	Amnt	Amnt(L)	R.Fac	R.Fac(L)	Ratio
1	10:59	0.97	1.000	1.00	40.00	40.00	1.000	1.000	1.00
2	14:11	0.98	1.000	1.00	40.00	40.00	1.000	1.000	1.00
3	18:44	0.98	1.000	1.00	40.00	40.00	1.000	1.000	1.00
4	22:37	0.99	1.000	1.00	40.00	40.00	1.000	1.000	1.00
5	29:34	0.99	1.000	1.00	40.00	40.00	1.000	1.000	1.00
6	34:20	0.99	1.000	1.00	40.00	40.00	1.000	1.000	1.00
7	7:51	0.97	0.714	1.00	95.95	50.00	3.108	1.620	1.92
8	10:08	0.97	0.922	1.00	109.32	50.00	5.376	2.459	2.19
9	12:22	0.98	0.872	1.00	44.47	50.00	0.513	0.576	0.89
10	17:00	0.98	0.907	1.00	62.98	50.00	1.558	1.237	1.26
11	20:48	0.99	1.111	1.00	167.82	50.00	0.417	0.124	3.36
12	26:49	0.99	0.907	1.00	76.58	50.00	3.123	2.039	1.53
13	4:14		0.385						

00538

14	6:14		0.575						
15	7:26		0.676						
16	9:09		0.833						
17	10:10	0.97	0.925	1.00	0.16	50.00	0.008	2.623	0.00
18	10:12		0.928						
19	10:23		0.946						
20	10:28	0.97	0.953	1.00	0.11	50.00	0.004	1.732	0.00
21	10:50		0.987						
22	11:02		1.004						
23	11:21		1.034						
24	11:23		1.037						
25	11:37		1.059						
26	11:41		1.064						
27	11:37		1.059						
28	12:02		1.097						
29	12:14		1.114						
30	12:01		0.847						
31	12:26		0.876						
32	12:49		0.904						
33	13:02		0.920						
34	13:13		0.932						
35	13:21		0.941						
36	13:36		0.959						
37	13:50		0.975						
38	14:02		0.990						
39	14:14	0.98	1.003	1.00	0.16	50.00	0.004	1.179	0.00
40	14:23		1.015						
41	14:24		1.016						
42	14:34		1.027						
43	15:17		1.078						
44	15:39		1.103						
45	16:02	0.98	1.130	1.00	0.14	50.00	0.002	0.742	0.00
46	16:28		0.879						
47	16:26		0.877						
48	16:45		0.894						
49	16:51		0.900						
50	17:18		0.924						

Quantitation Report File: AD34S13589

Data: AD34S13589.TI
06/16/91 1:02:00
Sample: S5 91-13589
Conds.: MS-B CASE: EOH0022
Submitted by: Analyst: JOHNSON

AMOUNT=AREA * REF AMNT/(REF AREA * RESP FACT)
Resp. fac. from Library Entry

No	Name
51	1-CHLORONAPHTHALENE
52	2-NITROANILINE
53	DIMETHYL PHTHALATE
54	2,6-DINITROTOLUENE
55	ACENAPHTHYLENE
56	3-NITROANILINE
57	ACENAPHTHENE
58	2,4-DINITROPHENOL
59	4-NITROPHENOL
60	DIBENZOFURAN
61	2,4-DINITROTOLUENE
62	PENTACHLOROBENZENE
63	1-NAPHTHYLAMINE
64	2,3,4,6-TETRACHLOROPHENOL
65	2-NAPHTHYLAMINE
66	DIETHYL PHTHALATE
67	4-CHLOROPHENYL PHENYL ETHER
68	FLUORENE
69	4-NITROANILINE
70	4,6-DINITRO-2-METHYLPHENOL
71	N-NITROSODIPHENYLAMINE
72	1,2-DIPHENYLHYDRAZINE
73	4-BROMOPHENYL PHENYL ETHER
74	PHENACETIN
75	HEXACHLOROBENZENE
76	4-AMINOBIPHENYL
77	PENTACHLOROPHENOL
78	PRONAMIDE (PROPYZAMIDE)
79	PENTACHLORONITROBENZENE
80	PHENANTHRENE
81	ANTHRACENE
82	DI-N-BUTYL PHTHALATE
83	FLUORANTHENE
84	PYRENE
85	BENZIDINE
86	P-DIMETHYLAMINOAZOBENZENE
87	BUTYL BENZYL PHTHALATE
88	3,3'-DICHLOROBENZIDINE
89	BENZO(A)ANTHRACENE
90	CHRYSENE
91	BIS(2-ETHYLHEXYL)PHTHALATE
92	DI-N-OCTYL PHTHALATE
93	7,12-DIMETHYLBENZ(A)ANTHRACENE
94	BENZO(B)FLUORANTHENE
95	BENZO(K)FLUORANTHENE
96	BENZO(A)PYRENE
97	3-METHYLCHOLANTHRENE
98	INDENO (1,2,3-CD)PYRENE
99	DIBENZ(A,H)ANTHRACENE
100	BENZO (G,H,I)PERYLENE

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount	%Tot
51	NOT FOUND								
52	NOT FOUND								
53	NOT FOUND								
54	NOT FOUND								
~~55~~	~~152~~	~~1124~~	~~18:04~~	~~3~~	~~0.980~~	~~A BB~~	~~364.~~	~~0.087 UG~~	~~0.00~~
56	NOT FOUND								
~~57~~	~~154~~	~~1152~~	~~18:31~~	~~3~~	~~1.004~~	~~A BB~~	~~2324.~~	~~0.861 UG~~	~~0.02~~
58	NOT FOUND								
59	NOT FOUND								
~~60~~	~~168~~	~~1180~~	~~18:58~~	~~3~~	~~1.027~~	~~A BB~~	~~2358.~~	~~0.614 UG~~	~~0.02~~
61	NOT FOUND								
62	NOT FOUND								
63	NOT FOUND								
64	NOT FOUND								
65	NOT FOUND								
66	149	1219	19:36	3	1.063	A BB	3473.	1.056 UG	0.03
67	NOT FOUND								
68	166	1236	19:52	3	1.078	A BB	4088.	1.387 UG	0.03
69	NOT FOUND								
70	NOT FOUND								
71	NOT FOUND								
72	NOT FOUND								
73	NOT FOUND								
74	NOT FOUND								
75	NOT FOUND								
76	NOT FOUND								
77	NOT FOUND								
78	NOT FOUND								
79	NOT FOUND								
80	178	1393	22:24	4	1.003	A BV	69040.	15.947 UG	0.40
~~81~~	~~178~~	~~1393~~	~~22:24~~	~~4~~	~~1.003~~	~~A BV~~	~~69040.~~	~~15.947 UG~~	~~0.40~~
~~82~~	~~149~~	~~1486~~	~~23:53~~	~~4~~	~~1.070~~	~~A BB~~	~~1244.~~	~~0.290 UG~~	~~0.01~~
83	202	1587	25:31	4	1.143	A BV	81460.	35.435 UG	0.89
84	202	1624	26:06	5	0.892	A BV	62813.	29.649 UG	0.74
85	NOT FOUND								
86	NOT FOUND								
~~87~~	~~149~~	~~1730~~	~~27:49~~	~~5~~	~~0.950~~	~~A BB~~	~~958.~~	~~1.600 UG~~	~~0.04~~
88	NOT FOUND								
89	228	1819	29:15	5	0.999	A BV	16895.	17.323 UG	0.43
90	228	1825	29:20	5	1.002	A VV	17205.	17.281 UG	0.43
91	149	1823	29:18	5	1.001	A BV	14255.	16.497 UG	0.41
92	NOT FOUND								
93	NOT FOUND								
94	252	2024	32:32	6	0.955	A BB	21860.	30.772 UG	0.77
95	NOT FOUND								
96	252	2104	33:49	6	0.993	A BB	9994.	18.631 UG	0.47
97	NOT FOUND								
98	NOT FOUND								
99	NOT FOUND								
100	276	2579	41:28	6	1.217	A BB	4562.	11.598 UG	0.29

No	Ret(L)	Ratio	RRT(L)	Ratio	Amnt	Amnt(L)	R.Fac	R.Fac(L)	Ratio
51	17:18		0.924						
52	17:34		0.938						
53	18:04		0.965						
54	18:13		0.973						
55	18:22	0.98	0.980	1.00	0.09	50.00	0.003	1.838	0.00
56	18:39		0.996						
57	18:50	0.98	1.005	1.00	0.86	50.00	0.020	1.187	0.02
58	18:55		1.010						
59	19:05		1.019						
60	19:17	0.98	1.029	1.00	0.61	50.00	0.021	1.688	0.01
61	19:17		1.029						
62	19:10		1.023						
63	19:29		1.040						

0541

64	19:36		1.046						
65	19:42		1.052						
66	19:55	0.98	1.064	1.00	1.06	50.00	0.031	1.446	0.02
67	20:12		1.078						
68	20:11	0.98	1.077	1.00	1.39	50.00	0.036	1.295	0.03
69	20:14		1.081						
70	20:19		0.898						
71	20:31		0.907						
72	20:37		0.911						
73	21:28		0.949						
74	21:20		0.943						
75	21:36		0.955						
76	22:09		0.979						
77	22:07		0.978						
78	22:19		0.986						
79	22:10		0.980						
80	22:42	0.99	1.004	1.00	15.95	50.00	0.505	1.582	0.32
81	22:50	0.98	1.009	0.99	15.95	50.00	0.505	1.582	0.32
82	24:11	0.99	1.069	1.00	0.29	50.00	0.009	1.568	0.01
83	25:48	0.99	1.141	1.00	35.43	50.00	0.595	0.840	0.71
84	26:24	0.99	0.893	1.00	29.65	50.00	1.462	2.466	0.59
85	26:09		0.885						
86	27:11		0.920						
87	28:06	0.99	0.951	1.00	1.60	50.00	0.022	0.697	0.03
88	29:28		0.997						
89	29:32	0.99	0.999	1.00	17.32	50.00	0.393	1.135	0.35
90	29:38	0.99	1.002	1.00	17.28	50.00	0.401	1.159	0.35
91	29:35	0.99	1.001	1.00	16.50	50.00	0.332	1.006	0.33
92	31:26		0.915						
93	32:49		0.956						
94	32:50	0.99	0.956	1.00	30.77	50.00	0.929	1.510	0.62
95	32:56		0.959						
96	34:07	0.99	0.993	1.00	18.63	50.00	0.425	1.140	0.37
97	35:42		1.040						
98	40:11		1.170						
99	40:11		1.170						
100	41:46	0.99	1.216	1.00	11.60	50.00	0.194	0.836	0.23

Quantitation Report File: AD34S13589

Data: AD34S13589.TI
06/16/91 1:02:00
Sample: S5 91-13589
Conds.: MS-B CASE: EOH0022
Submitted by: Analyst: JOHNSON

AMOUNT=AREA * REF AMNT/(REF AREA * RESP FACT)
Resp. fac. from Library Entry

No	Name
101	DIBENZ(A,J)ACRIDINE
102	BENZOIC ACID

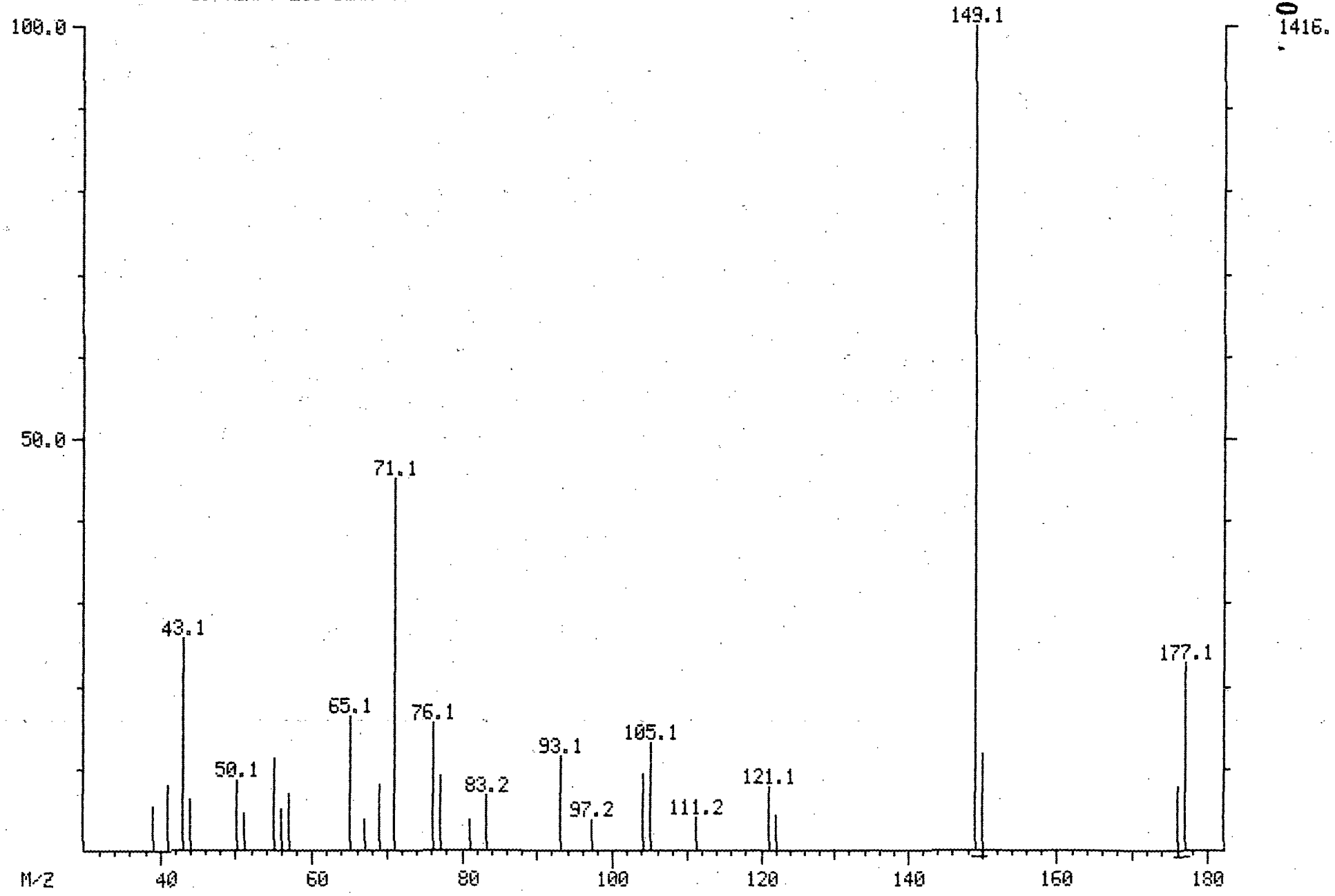
No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount	%Tot
101	NOT FOUND								
~~102~~	~~122~~	~~831~~	~~13:22~~	~~2~~	~~0.963~~	~~A BB~~	~~134.~~	~~9.303 UG~~	~~0.23~~ MJ

No	Ret(L)	Ratio	RRT(L)	Ratio	Amnt	Amnt(L)	R.Fac	R.Fac(L)	Ratio
101	38:55		1.133						
102	13:37	0.98	0.960	1.00	9.30	50.00	0.001	0.003	0.19

MID MASS SPECTRUM
06/16/91 1:02:00 + 19:36
SAMPLE: S5 91-13589
CONDS.: MS-B CASE: EOH0022
GC TEMP: 200 DEG. C

DATA: AD34513589 #1219
CALI: AD34513589 #2

BASE M/Z: 149
RIC: 5496.



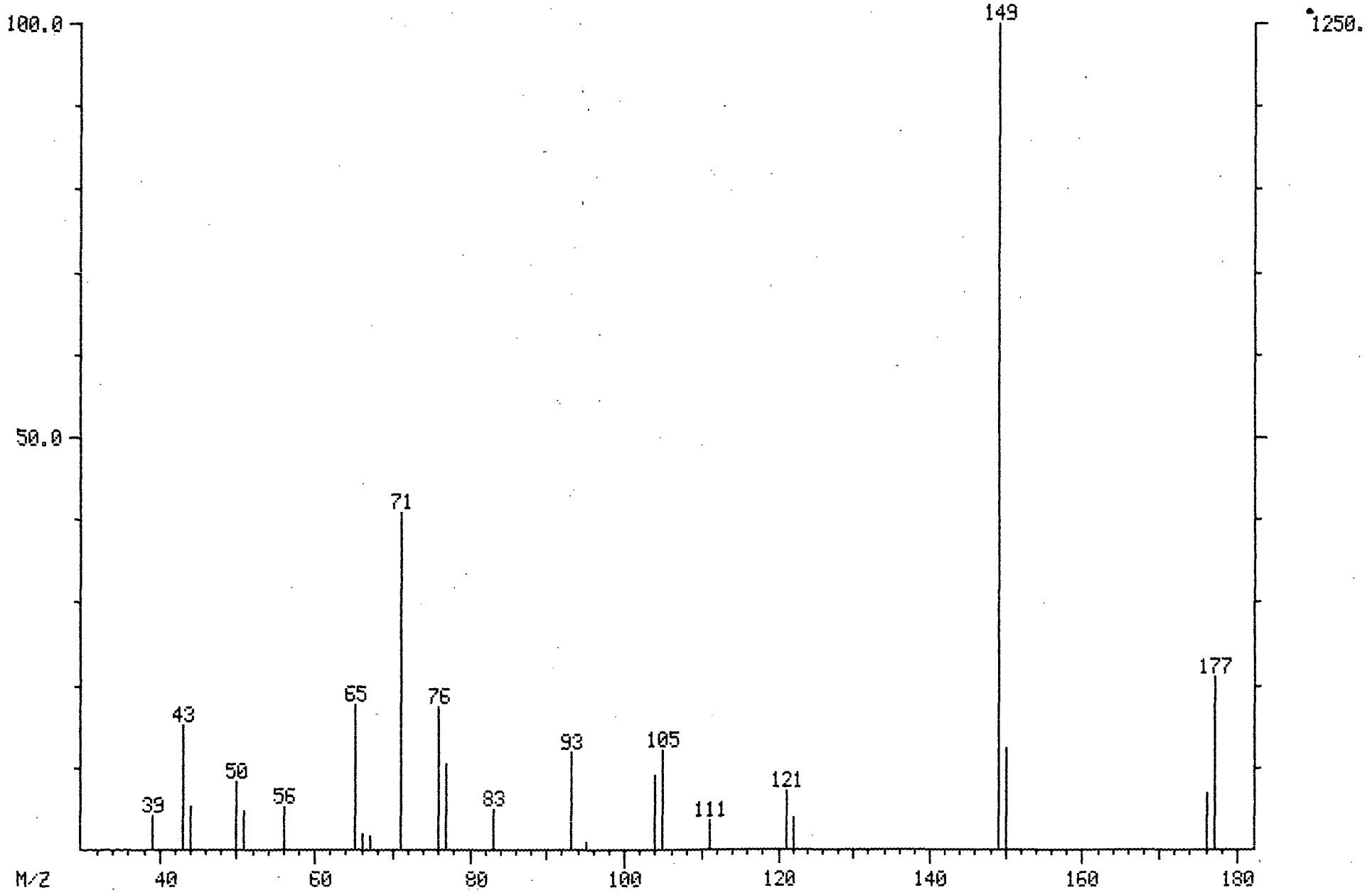
00544

MID MASS SPECTRUM
06/16/91 1:02:00 + 19:36
SAMPLE: S5 91-13589
CONDS.: MS-B CASE: EOH0022
GC TEMP: 200 DEG. C
ENHANCED (S 15B 2N 0T)

DATA: AD34513589 #1219
CALI: AD34513589 #2

BASE M/Z: 149
RIC: 4104.

00545

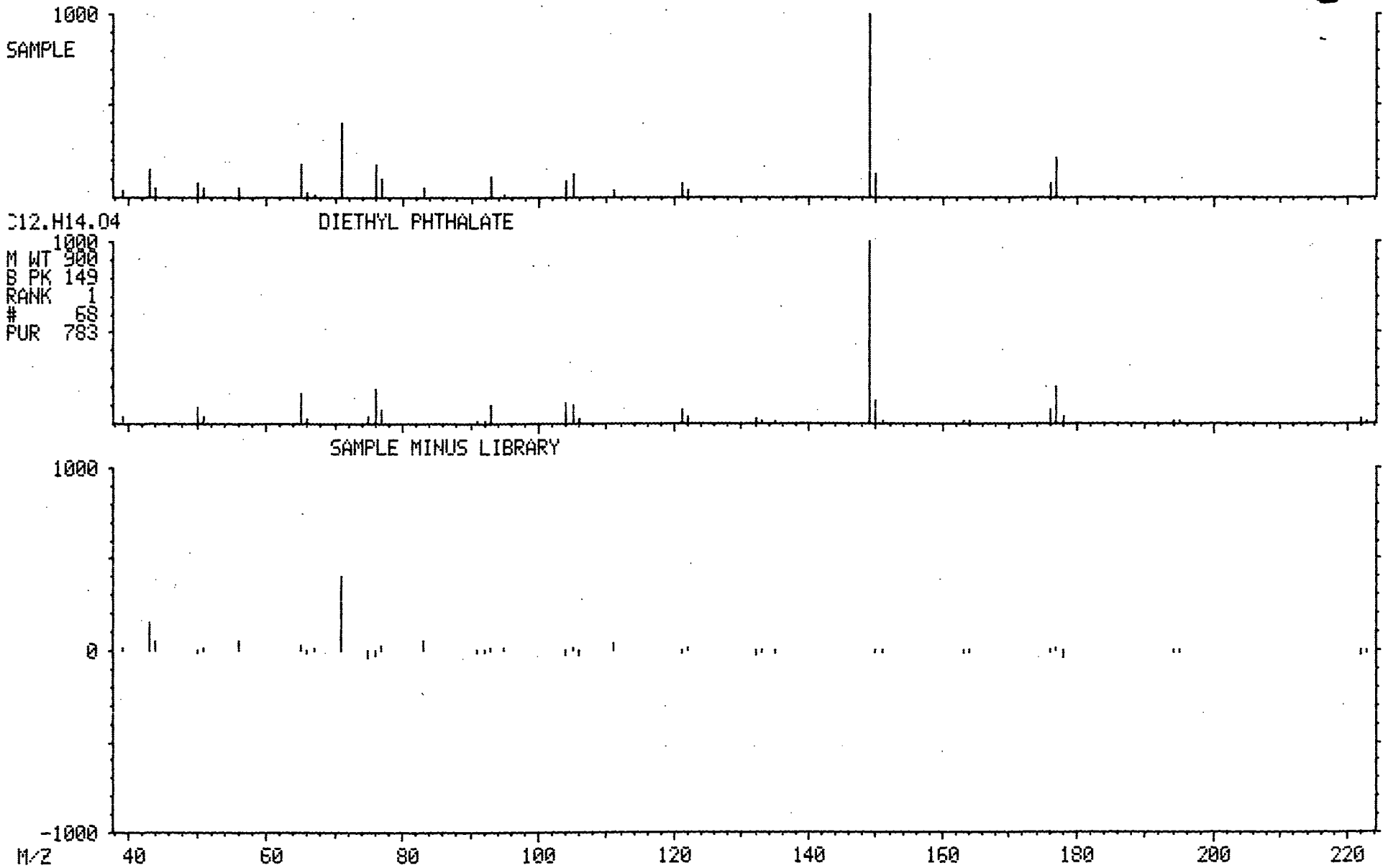


MID LIBRARY SEARCH
06/16/91 1:02:00 + 19:36
SAMPLE: S5 91-13589
CONDS.: MS-B CASE: EOH0022
ENHANCED (S 15B 2N 0T)

DATA: AD34513589 #1219
CALI: AD34513589 # 2

BASE M/Z: 149
RIC: 4103.

00546

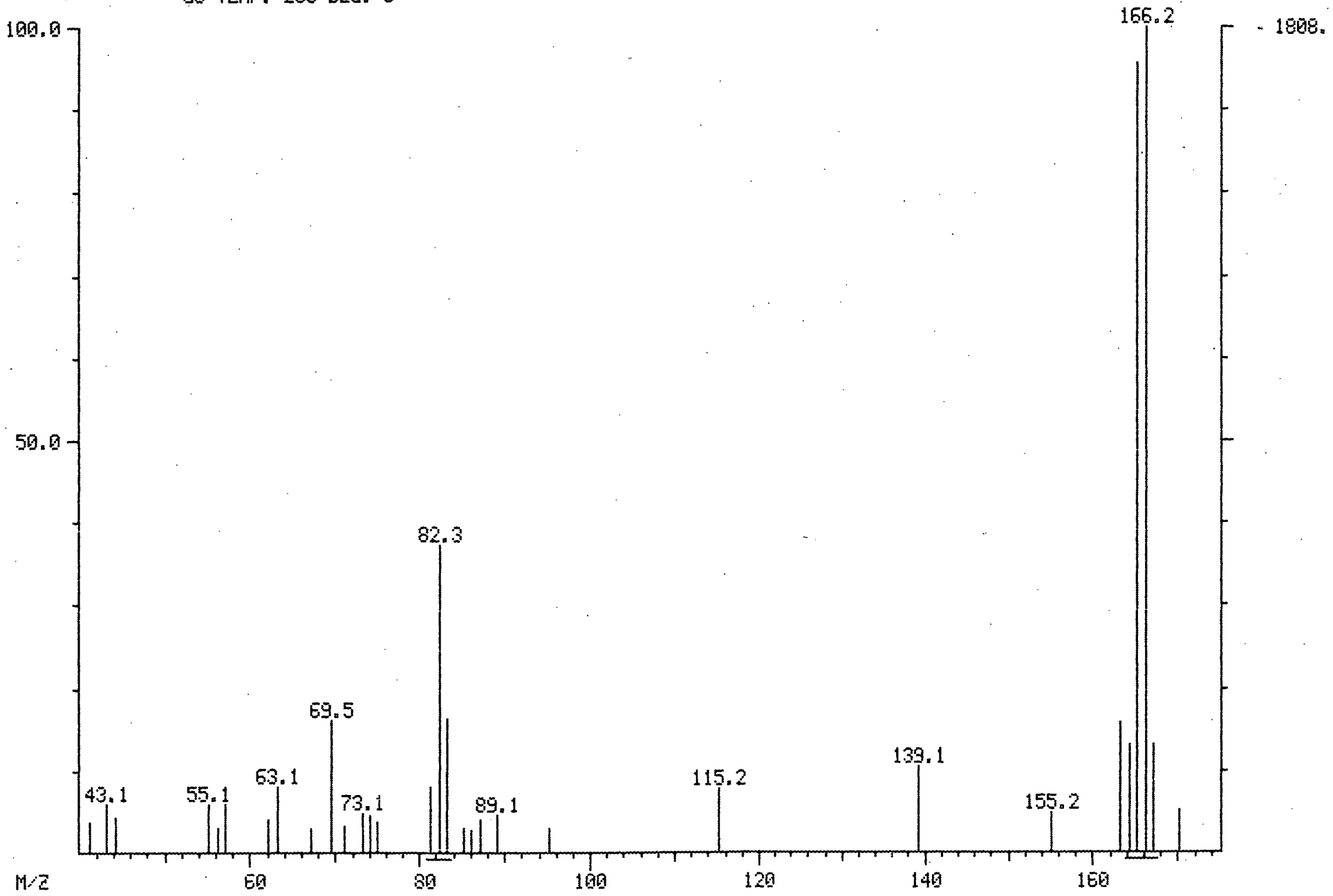


MID MASS SPECTRUM
06/16/91 1:02:00 + 19:52
SAMPLE: S5 91-13589
CONDS.: MS-B CASE: EOH0022
GC TEMP: 203 DEG. C

DATA: AD34513589 #1236
CALI: AD34513589 #2

BASE M/Z: 166
RIC: 7632.

00547

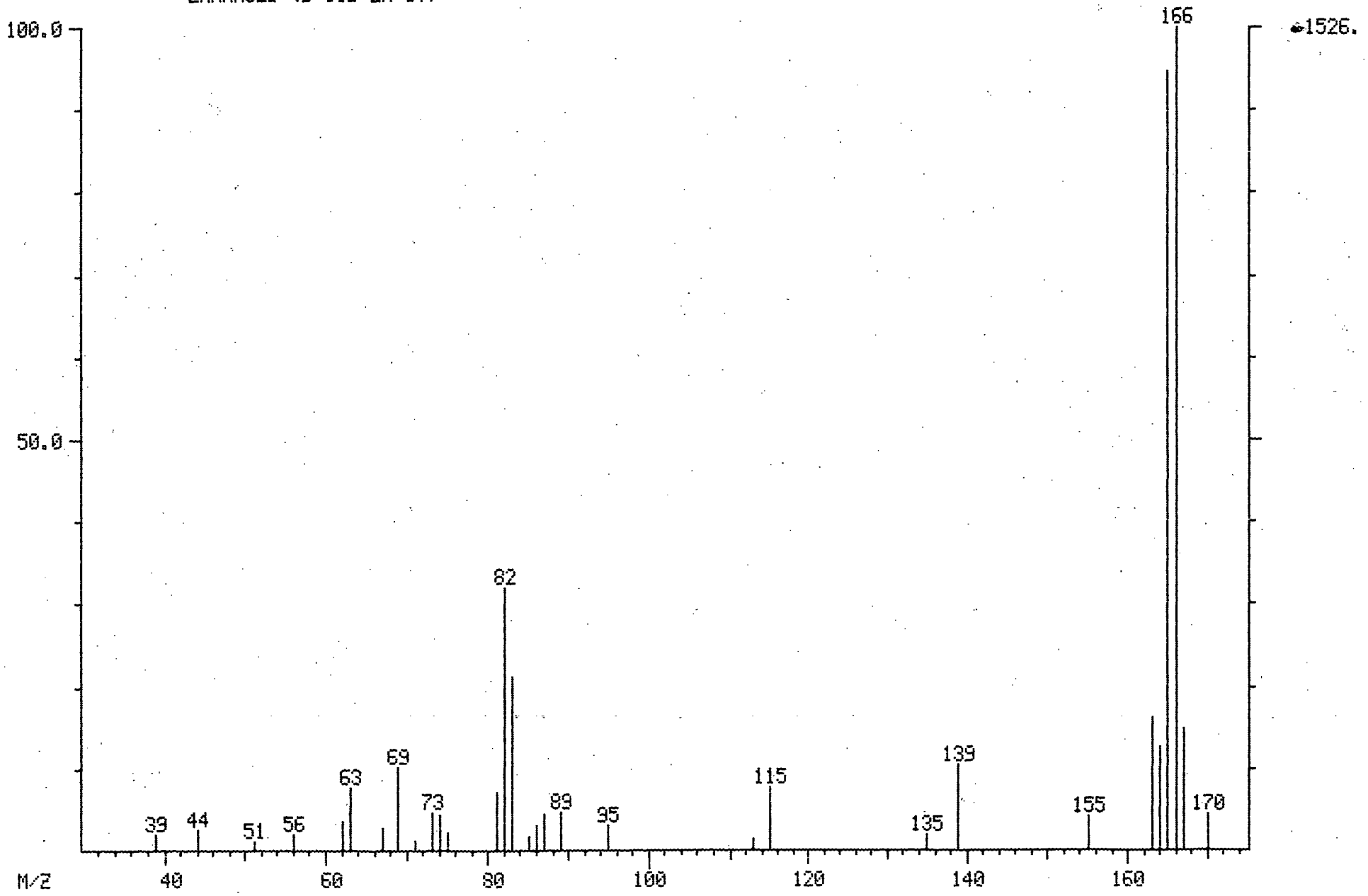


MID MASS SPECTRUM
06/16/91 1:02:00 + 19:52
SAMPLE: S5 91-13589
CONDS.: MS-B CASE: EOH0022
GC TEMP: 203 DEG. C
ENHANCED (S 15B 2N 0T)

DATA: AD34513589 #1236
CALI: AD34513589 #2

BASE M/Z: 166
RIC: 5960.

00548

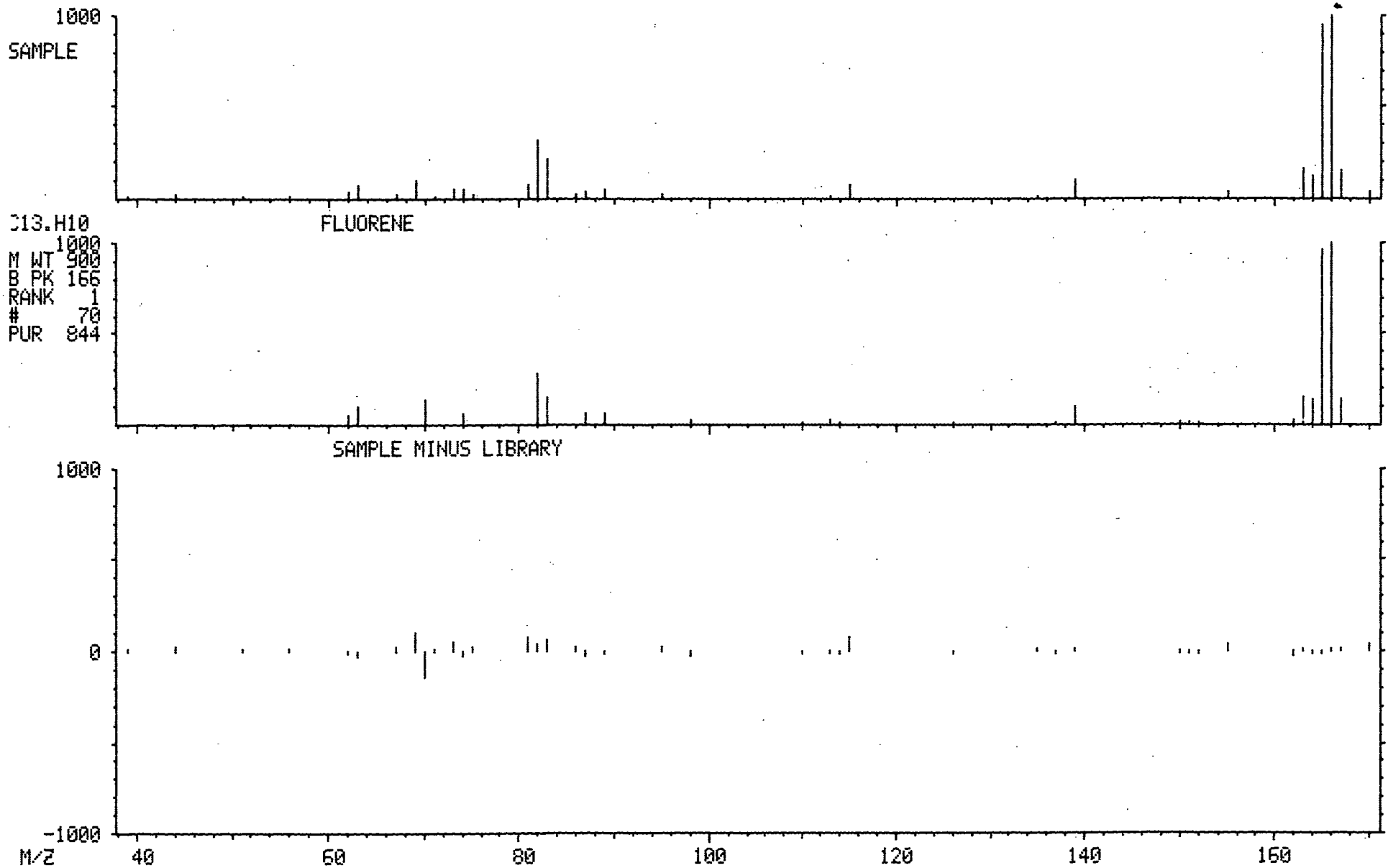


MID LIBRARY SEARCH
06/16/91 1:02:00 + 19:52
SAMPLE: S5 91-13589
CONDS.: MS-B CASE: EOH0022
ENHANCED (S 15B 2N 0T)

DATA: AD34S13589 #1236
CALI: AD34S13589 # 2

BASE M/Z: 166
RIC: 5927.

00549

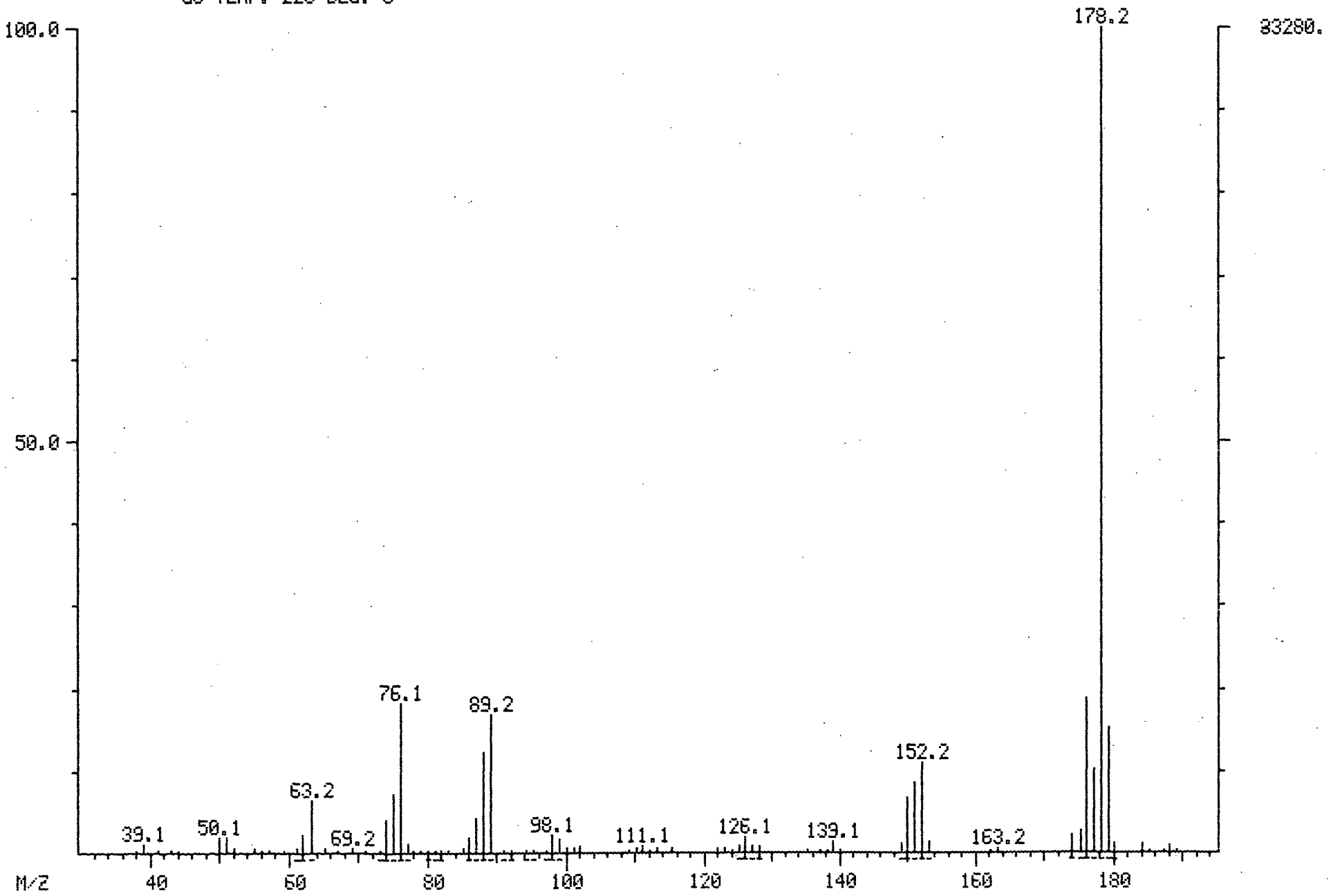


MID MASS SPECTRUM
06/16/91 1:02:00 + 22:24
SAMPLE: S5 91-13589
CONDS.: MS-B CASE: EOH0022
GC TEMP: 228 DEG. C

DATA: AD34513589 #1393
CALI: AD34513589 #2

BASE M/Z: 178
RIC: 95616.

00550

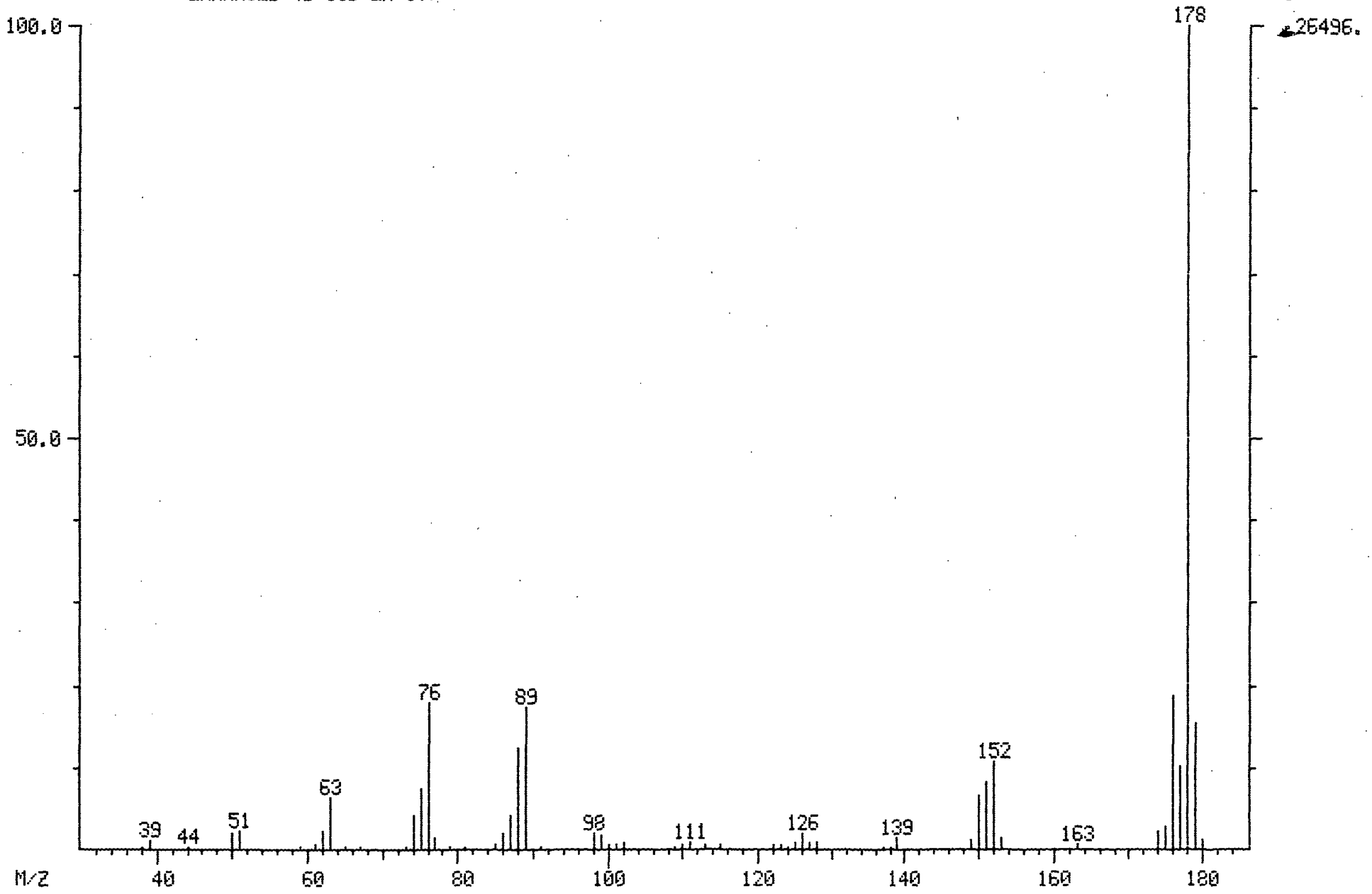


MID MASS SPECTRUM
06/16/91 1:02:00 + 22:24
SAMPLE: S5 91-13589
CONDS.: MS-B CASE: EOH0022
GC TEMP: 228 DEG. C
ENHANCED (S 15B 2N 0T)

DATA: AD34S13589 #1393
CALI: AD34S13589 #2

BASE M/Z: 178
RIC: 74112.

00551

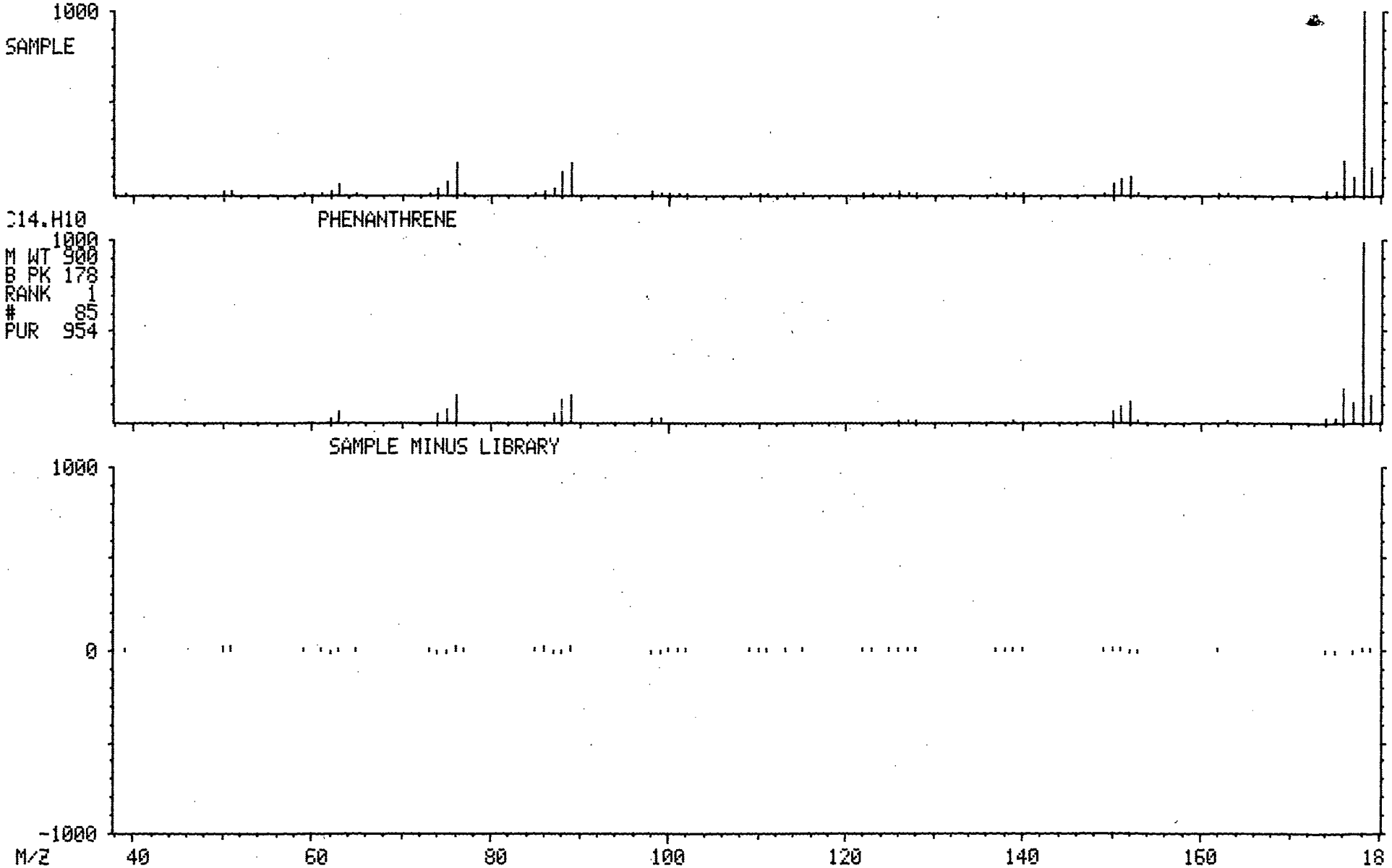


MID LIBRARY SEARCH
06/16/91 1:02:00 + 22:24
SAMPLE: S5 91-13589
CONDS.: MS-B CASE: EOH0022
ENHANCED (S 15B 2N 0T)

DATA: AD34513589 #1393
CALI: AD34513589 # 2

BASE M/Z: 178
RIC: 73343.

00552

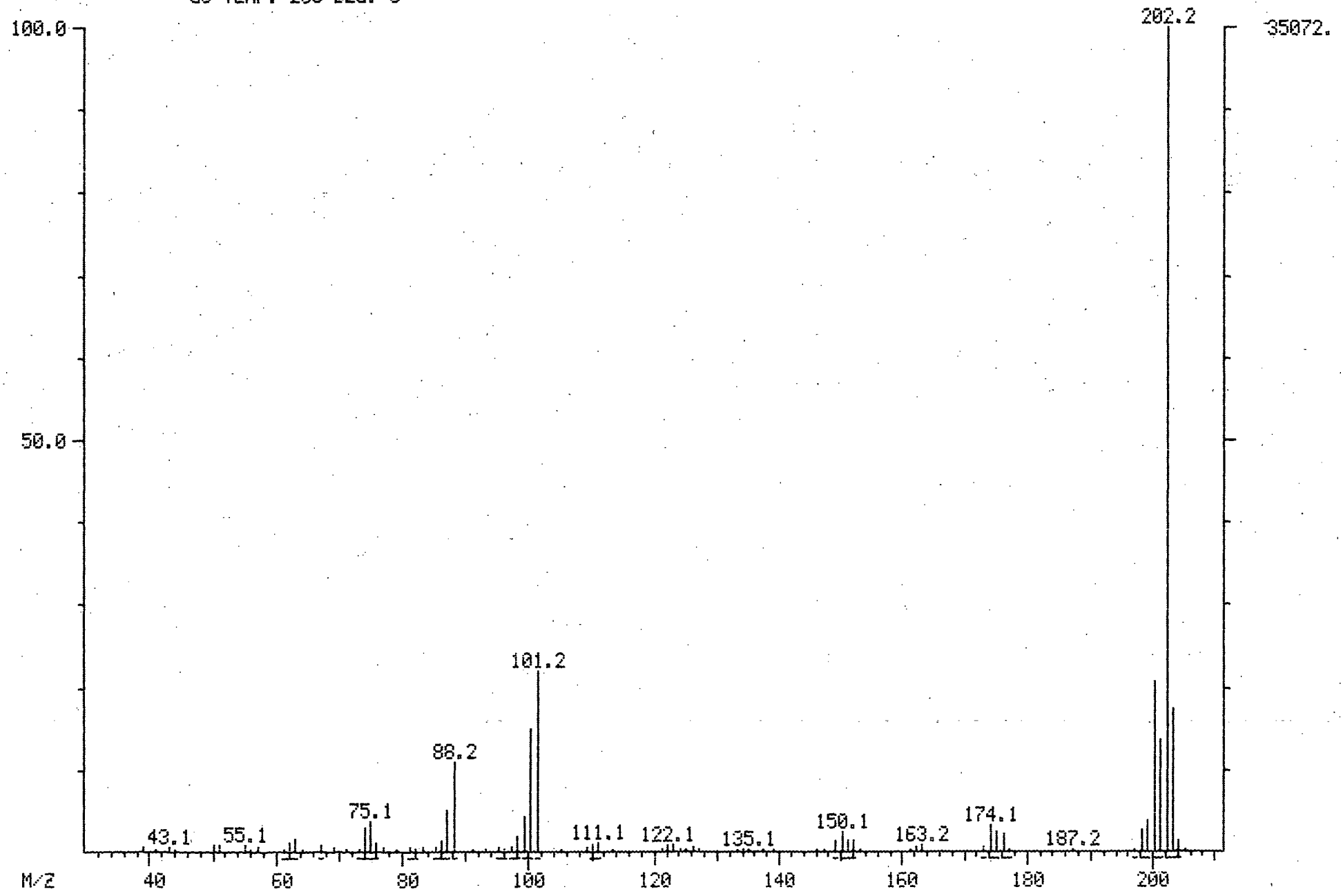


MID MASS SPECTRUM
06/16/91 1:02:00 + 25:31
SAMPLE: S5 91-13589
CONDS.: MS-B CASE: EOH0022
GC TEMP: 260 DEG. C

DATA: AD34S13589 #1587
CALI: AD34S13589 #2

BASE M/Z: 202
RIC: 93568.

00553

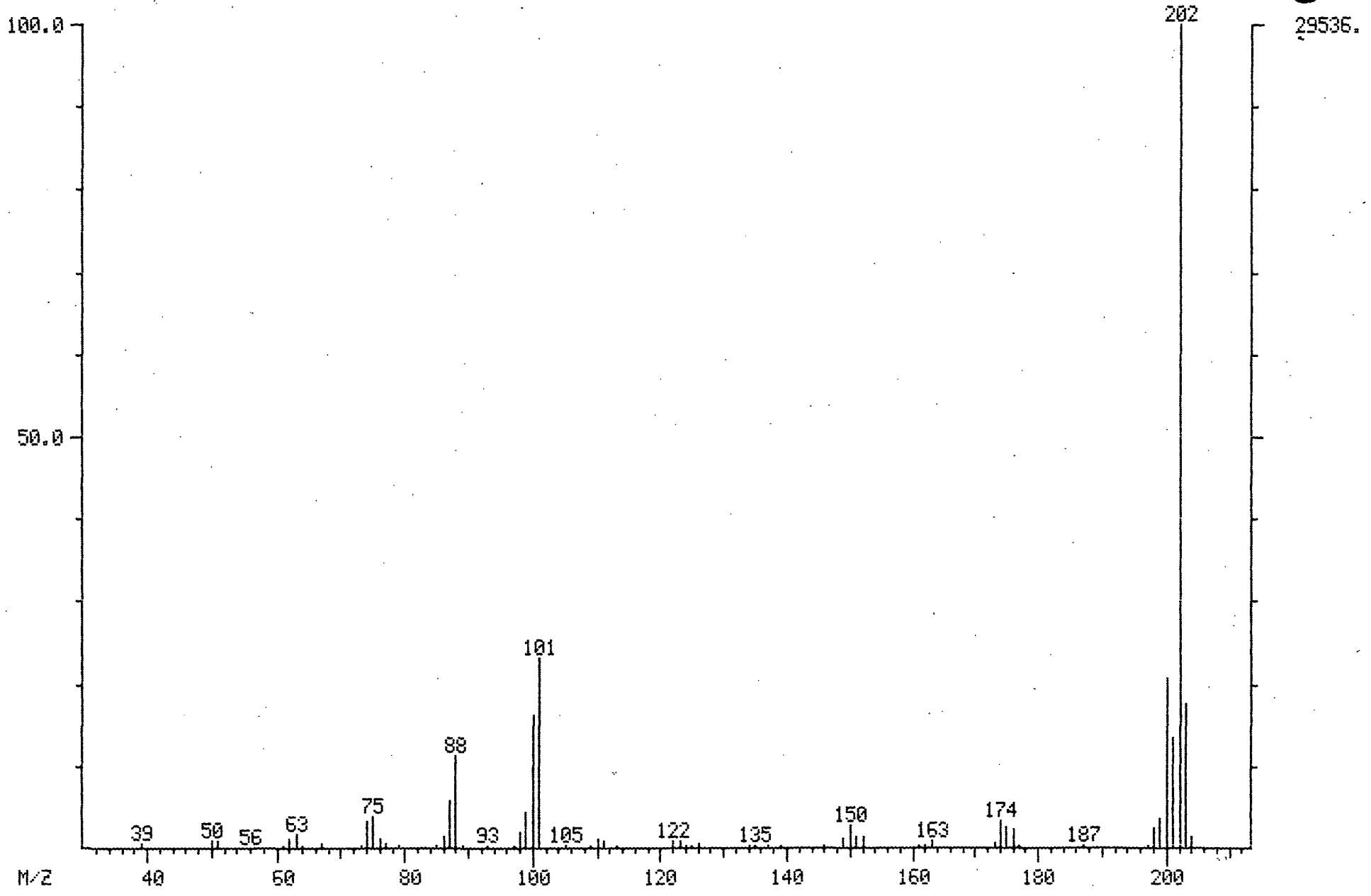


MID MASS SPECTRUM
06/16/91 1:02:00 + 25:31
SAMPLE: S5 91-13589
CONDS.: MS-B CASE: EOH0022
GC TEMP: 260 DEG. C
ENHANCED (S 15B 2N 0T)

DATA: AD34513589 #1587
CALI: AD34513589 #2

BASE M/Z: 202
RIC: 78464.

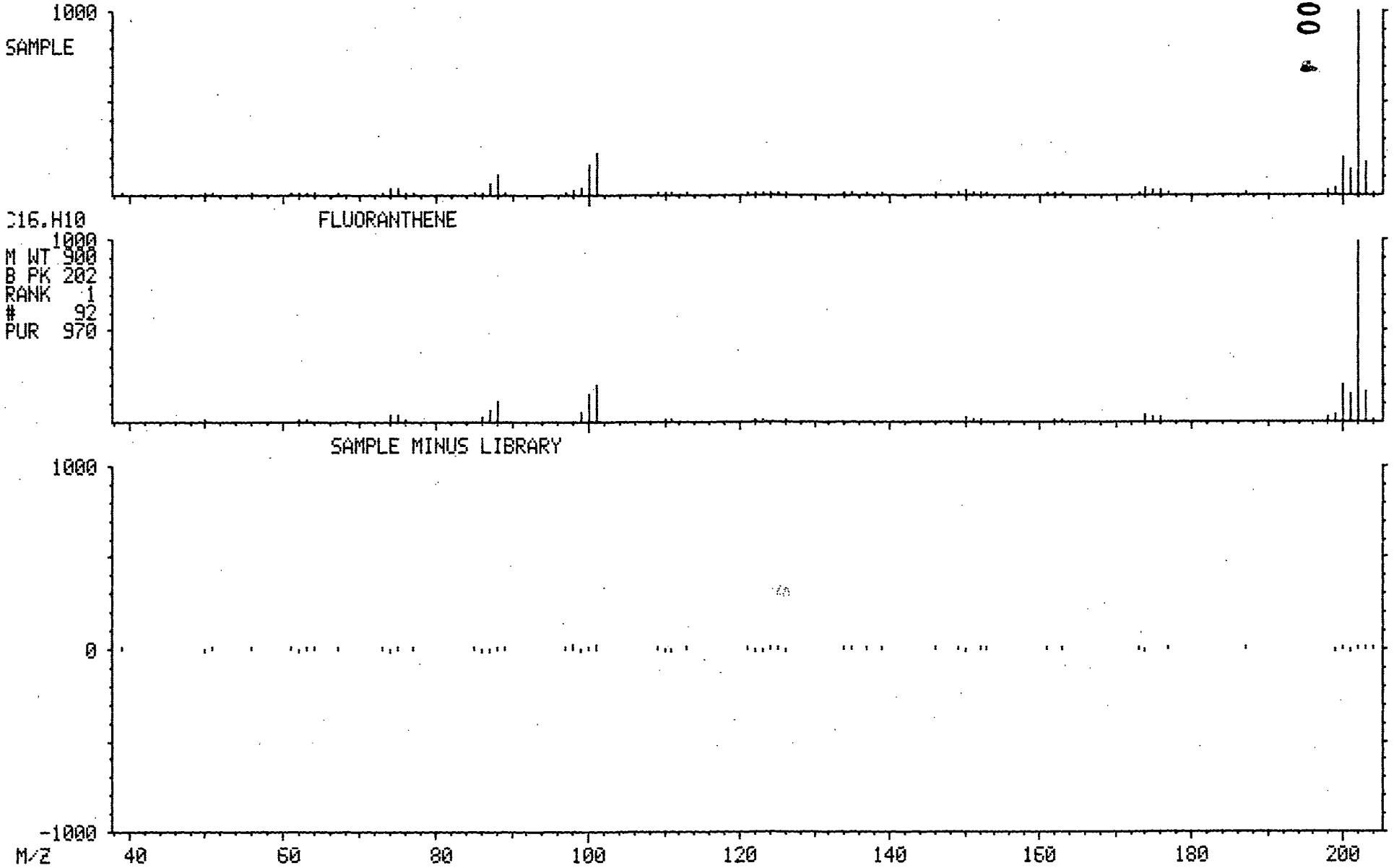
00554



MID LIBRARY SEARCH
06/16/91 1:02:00 + 25:31
SAMPLE: S5 91-13589
CONDS.: MS-B CASE: EOH0022
ENHANCED (S 15B 2N 0T)

DATA: AD34513589 #1587 BASE M/Z: 202
CALI: AD34513589 # 2 RIC: 78079.

00555

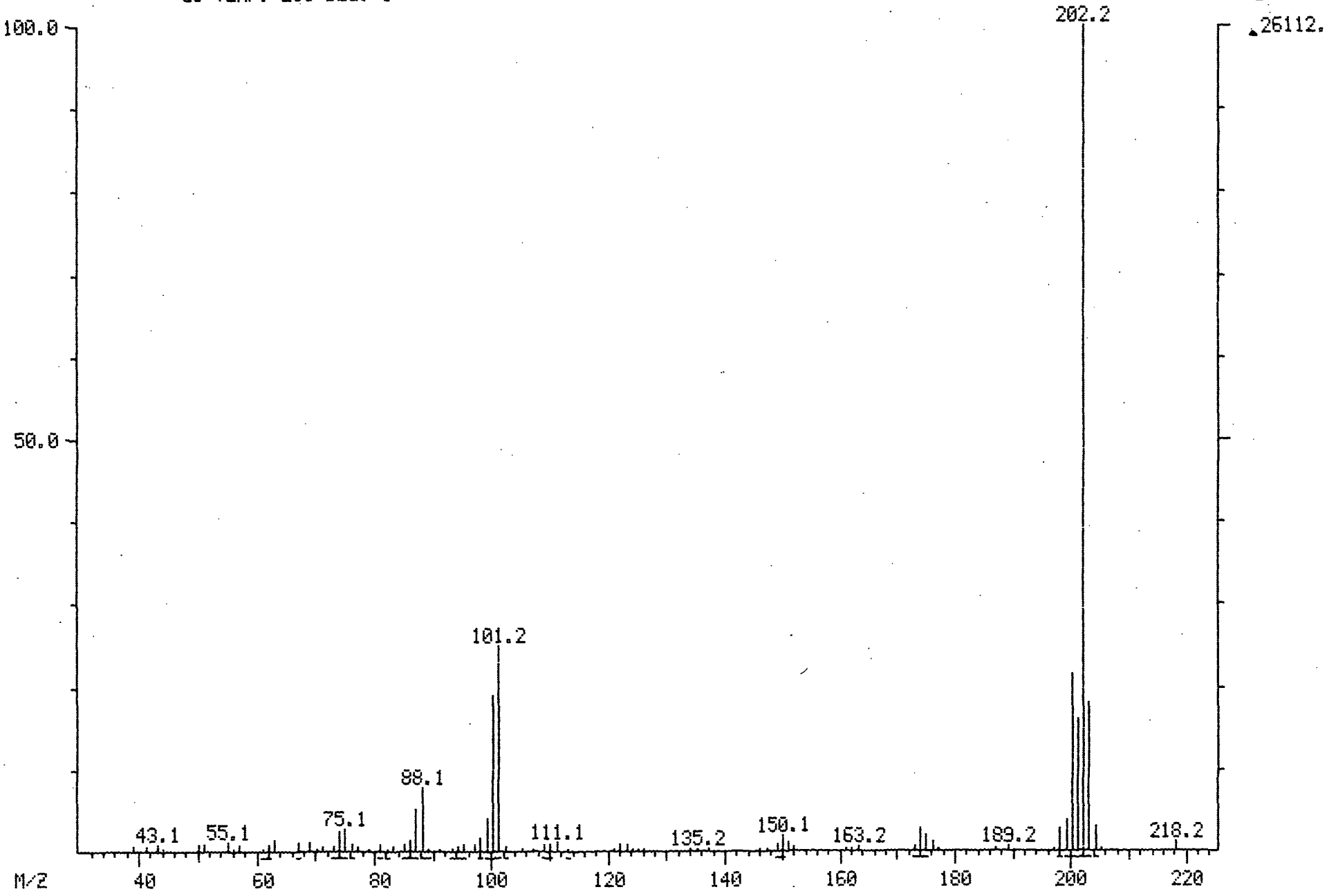


MID MASS SPECTRUM
06/16/91 1:02:00 + 26:06
SAMPLE: S5 91-13589
CONDS.: MS-B CASE: EOH0022
GC TEMP: 265 DEG. C

DATA: AD34S13589 #1624
CALI: AD34S13589 #2

BASE M/Z: 202
RIC: 72064.

00556

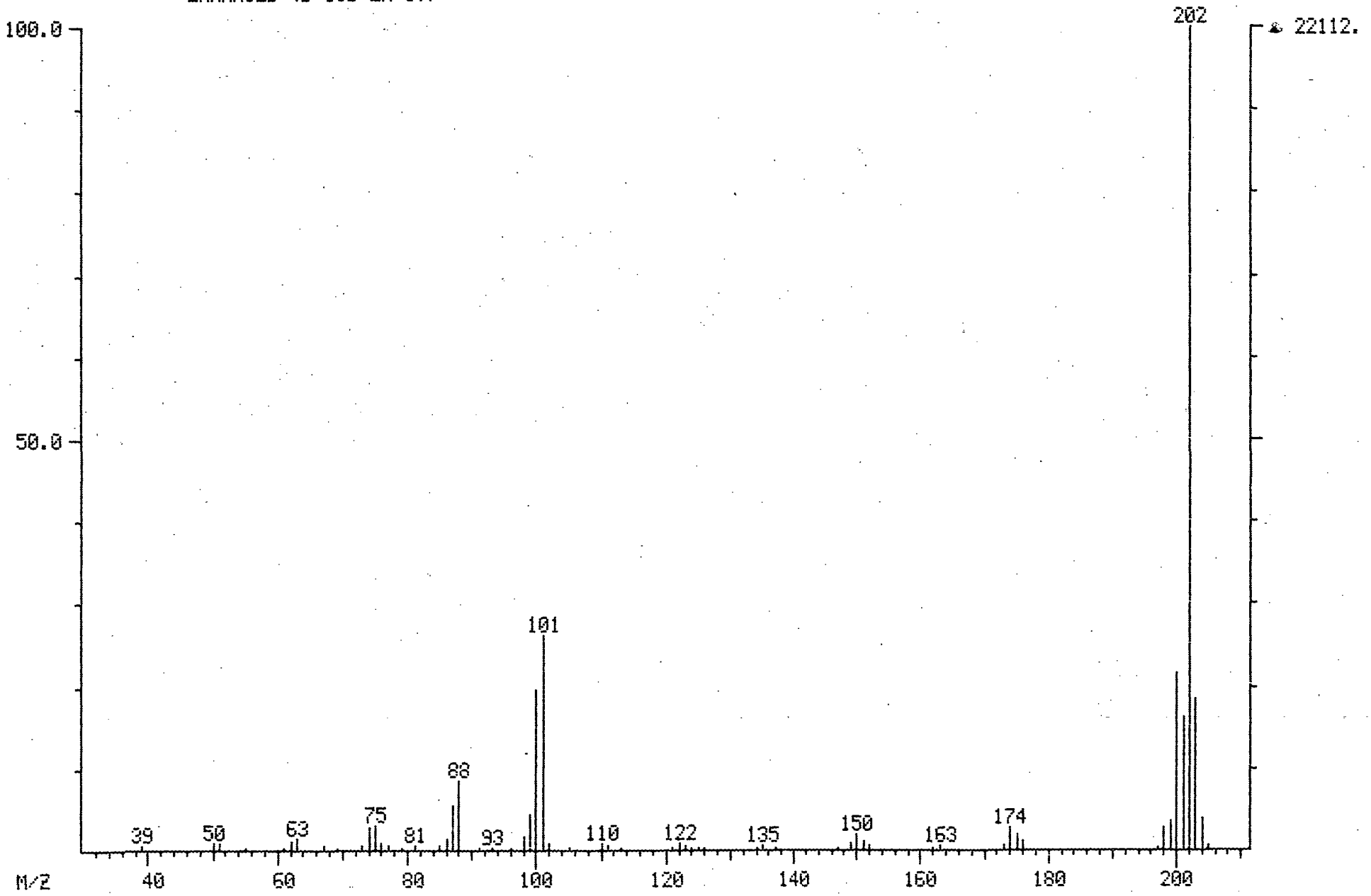


MID MASS SPECTRUM
06/16/91 1:02:00 + 26:06
SAMPLE: S5 91-13589
CONDS.: MS-B CASE: EOH0022
GC TEMP: 265 DEG. C
ENHANCED (S 15B 2N 0T)

DATA: AD34513589 #1624
CALI: AD34513589 #2

BASE M/Z: 202
RIC: 59840.

00557

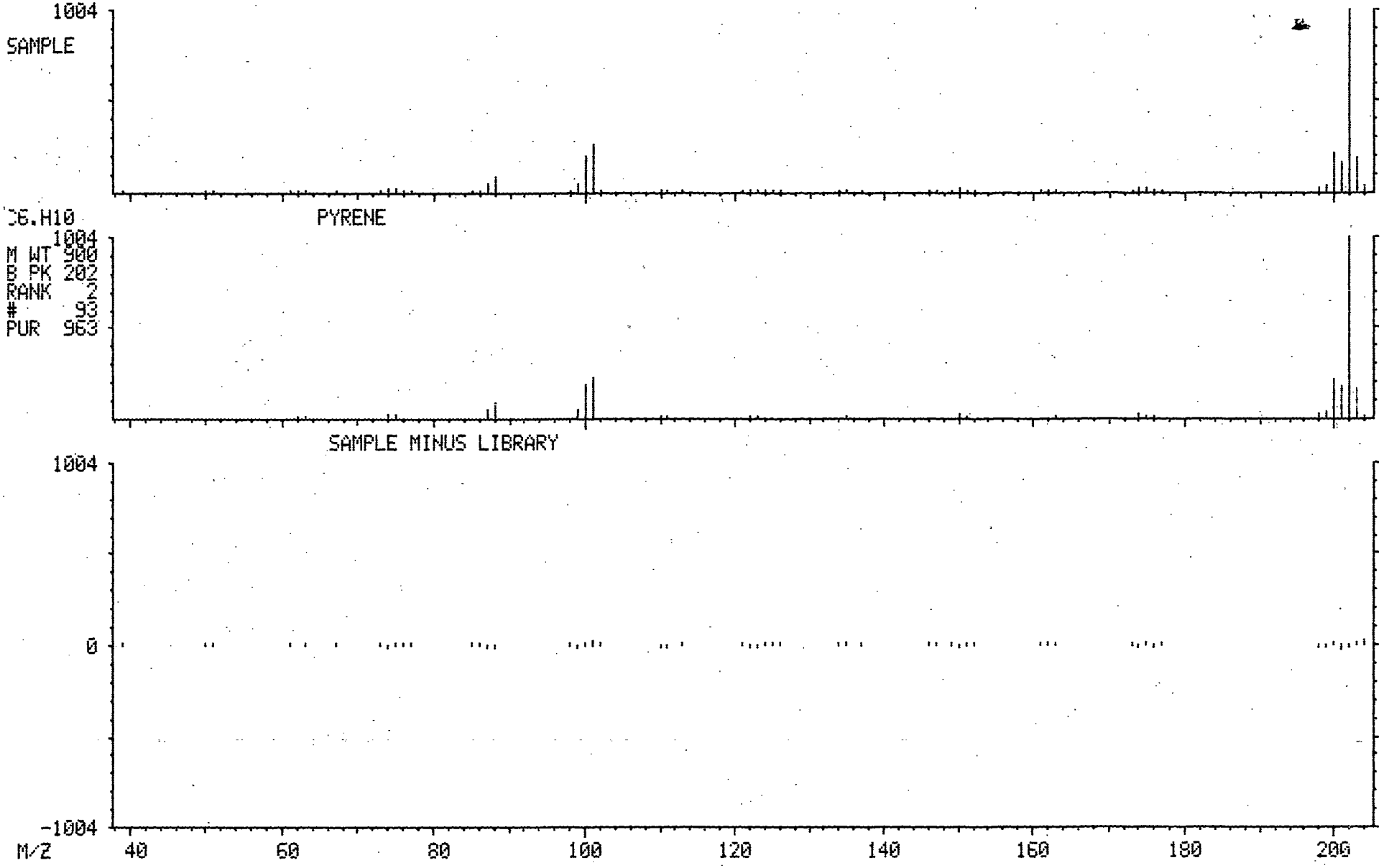


MID LIBRARY SEARCH
06/16/91 1:02:00 + 26:06
SAMPLE: S5 91-13589
CONDS.: MS-B CASE: EOH0022
ENHANCED (S 15B 2N 0T)

DATA: AD34S13589 #1624
CALI: AD34S13589 # 2

BASE M/Z: 202
RIC: 59135.

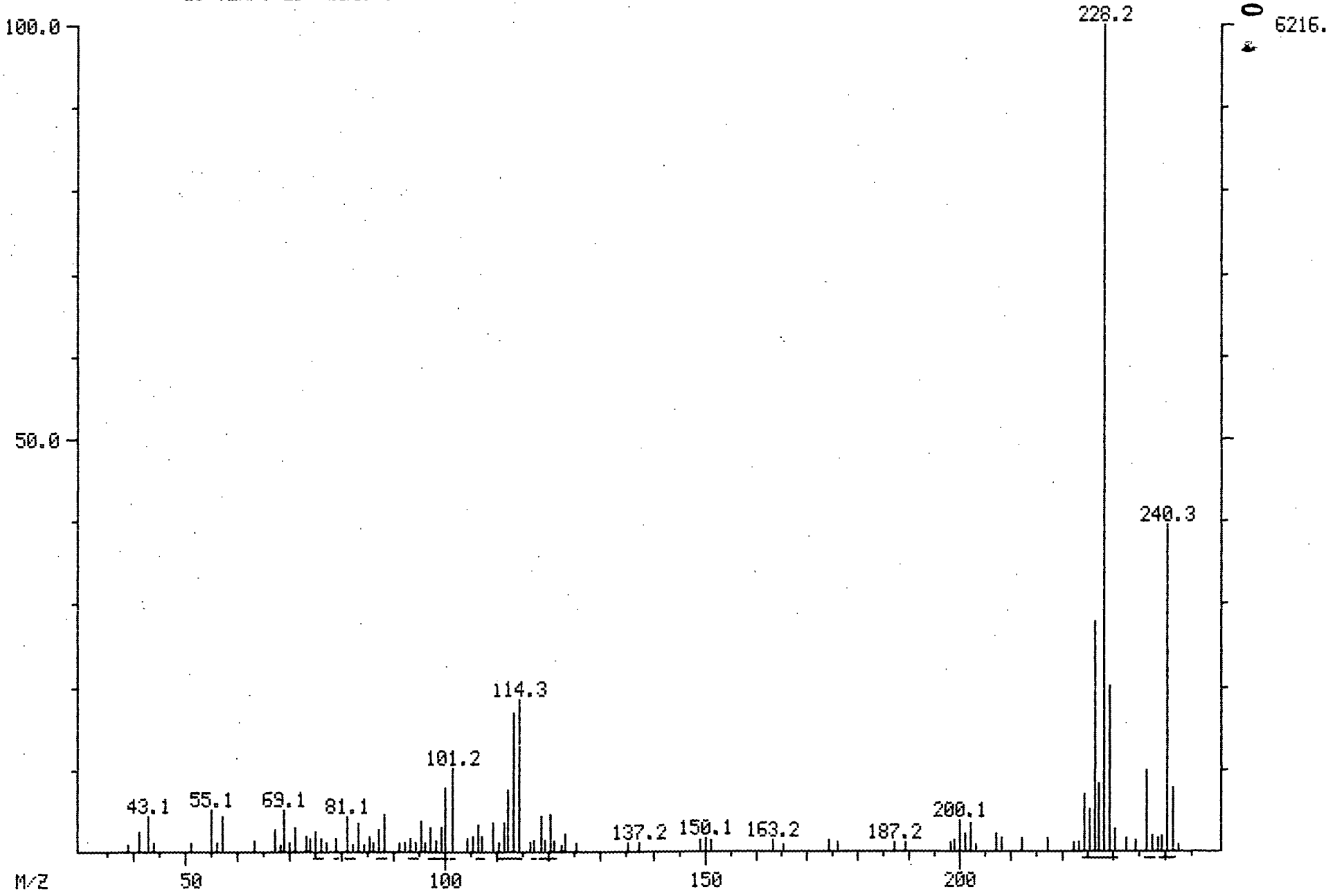
00558



MID MASS SPECTRUM
06/16/91 1:02:00 + 29:15
SAMPLE: S5 91-13589
CONDS.: MS-B CASE: EOH0022
GC TEMP: 297 DEG. C

DATA: AD34513589 #1819
CALI: AD34513589 #2

BASE M/Z: 228
RIC: 28000.



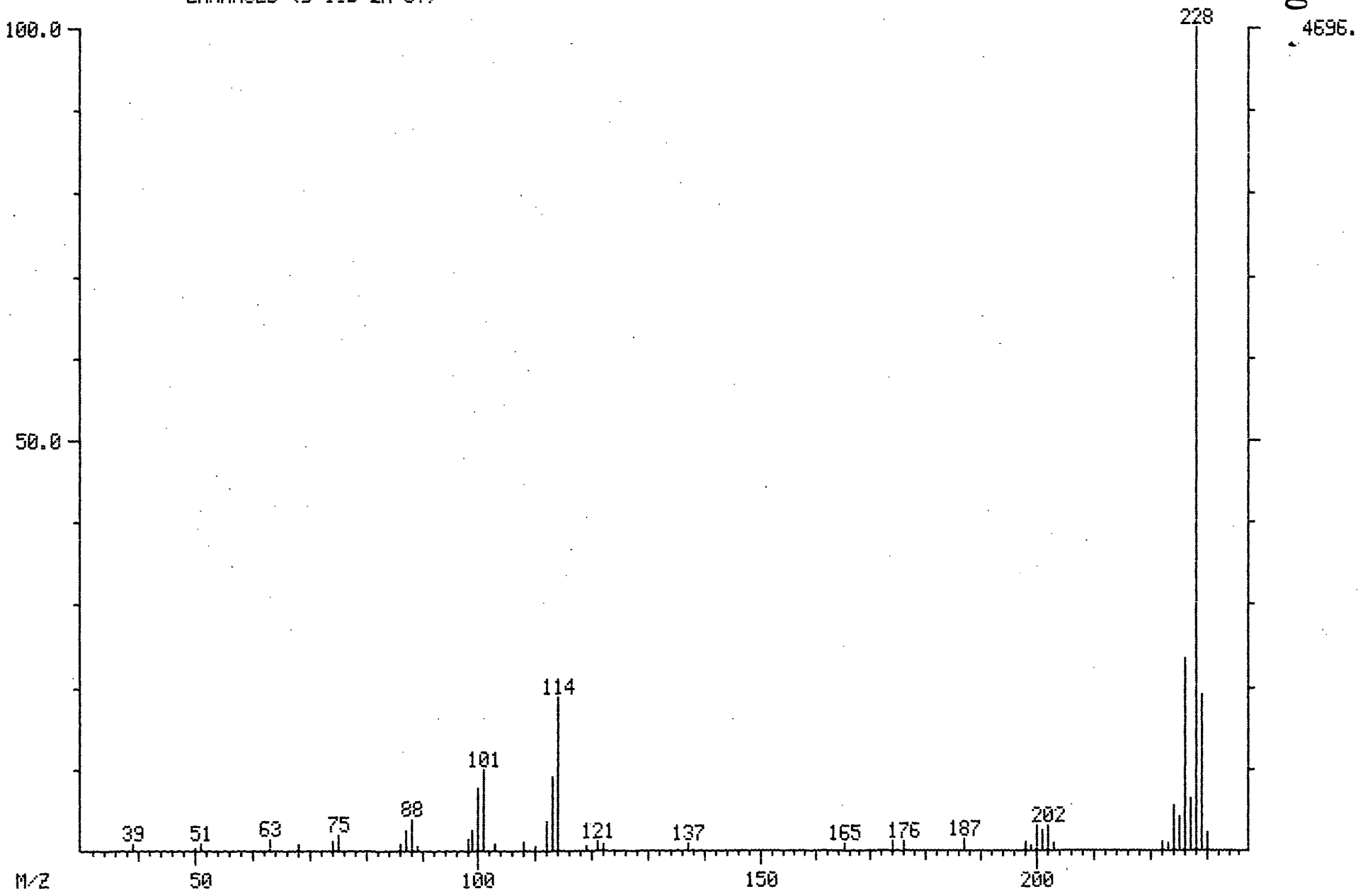
00559

MID MASS SPECTRUM
06/16/91 1:02:00 + 29:15
SAMPLE: S5 91-13589
CONDS.: MS-B CASE: EOH0022
GC TEMP: 297 DEG. C
ENHANCED (S 15B 2N 0T)

DATA: AD34S13589 #1819
CALI: AD34S13589 #2

BASE M/Z: 228
RIC: 11824.

00560

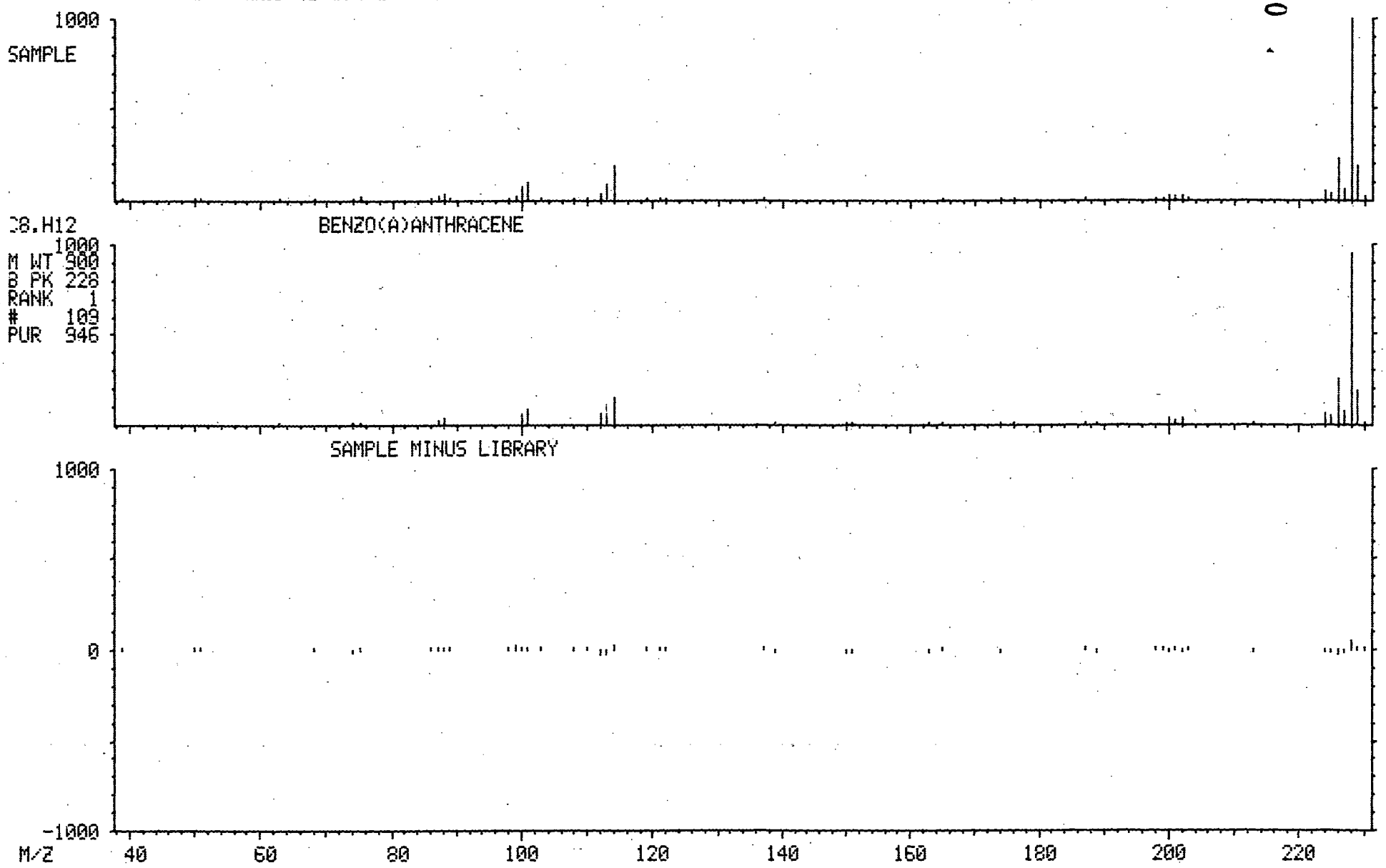


MID LIBRARY SEARCH
06/16/91 1:02:00 + 29:15
SAMPLE: S5 91-13589
CONDS.: MS-B CASE: EOH0022
ENHANCED (S 15B 2N 0T)

DATA: AD34513589 #1819
CALI: AD34513589 # 2

BASE M/Z: 228
RIC: 11727.

19500

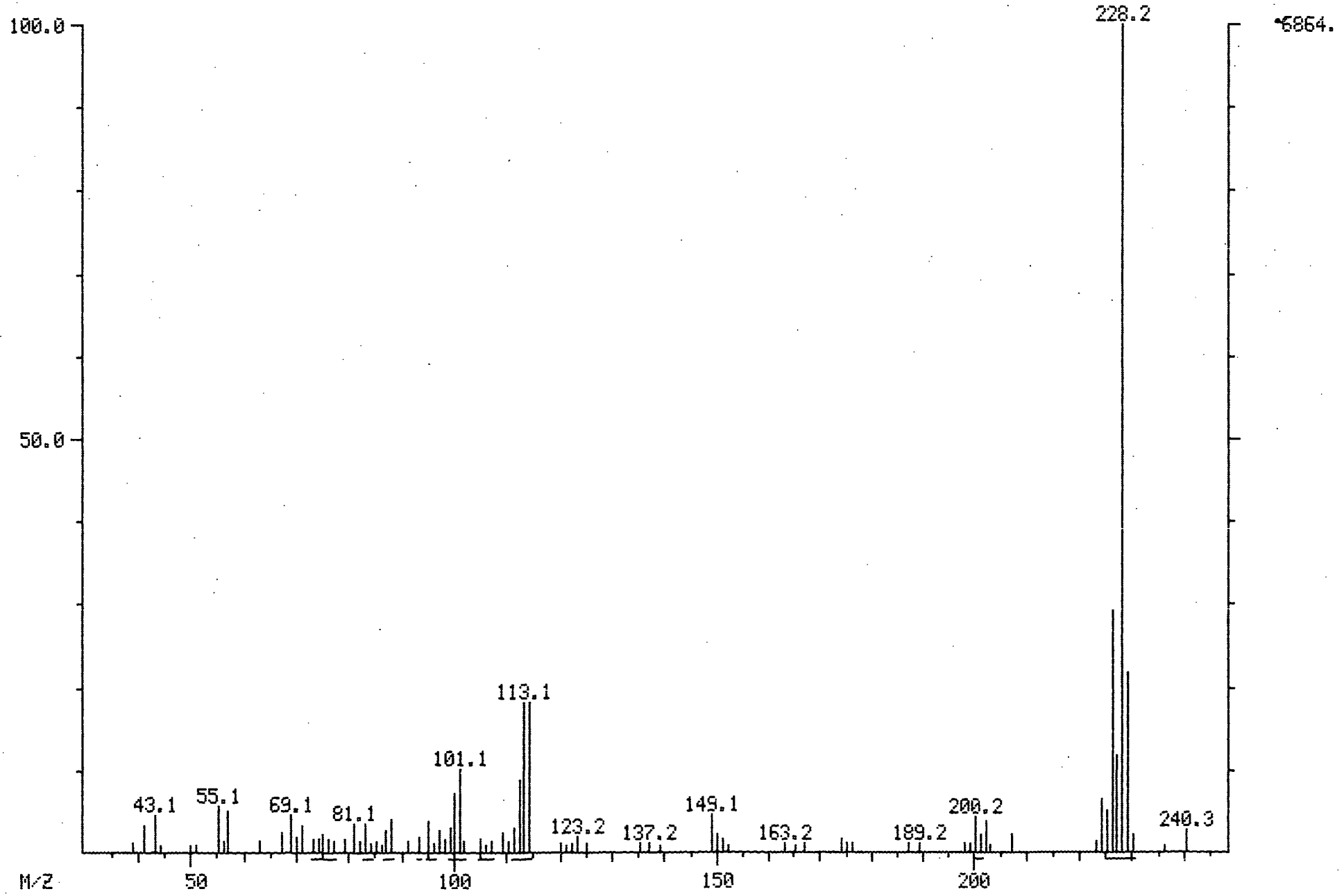


MID MASS SPECTRUM
06/16/91 1:02:00 + 29:20
SAMPLE: S5 91-13589
CONDS.: MS-B CASE: EOH0022
GC TEMP: 298 DEG. C

DATA: AD34S13589 #1825
CALI: AD34S13589 #2

BASE M/Z: 228
RIC: 26144.

00562

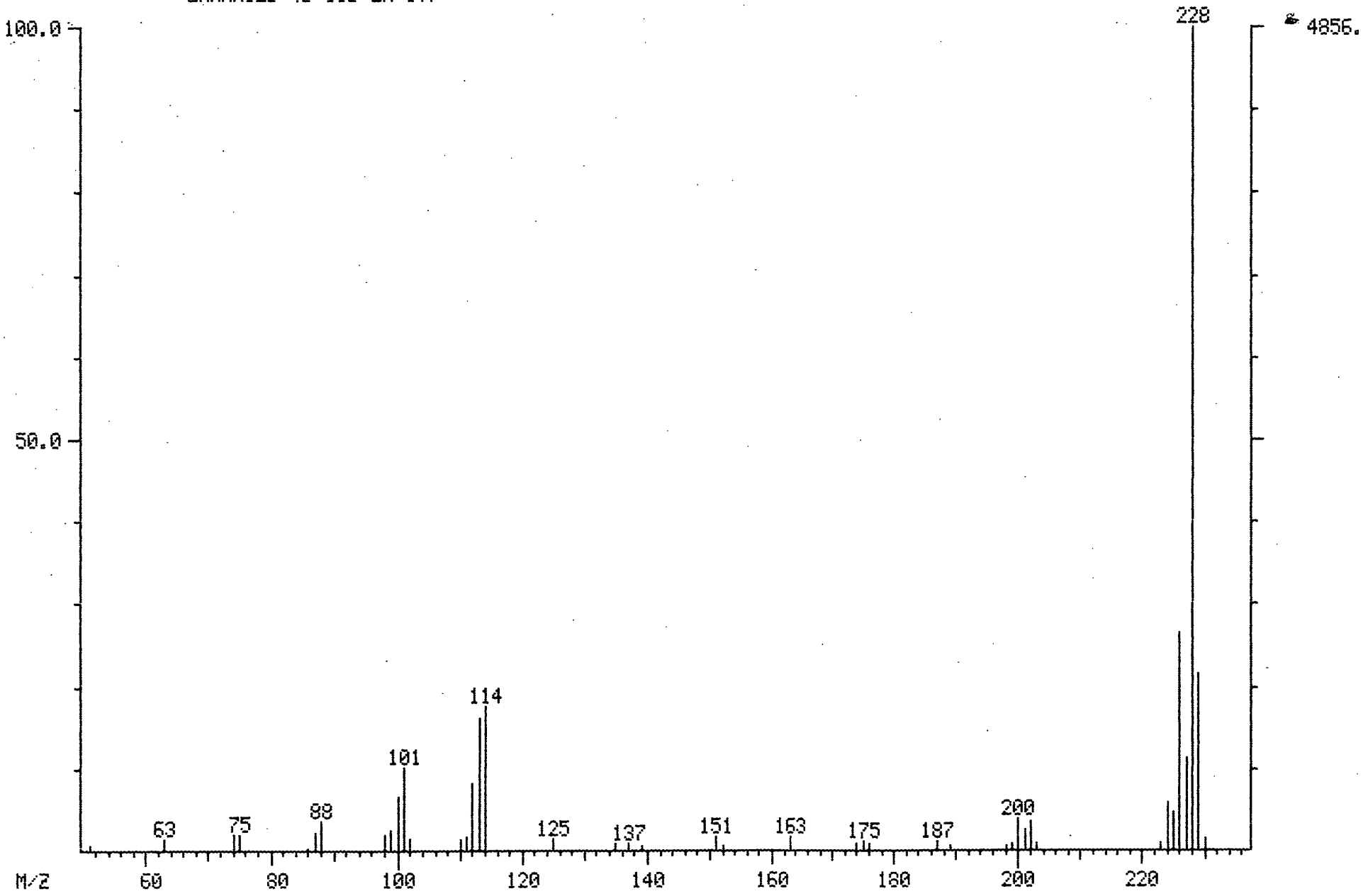


MID MASS SPECTRUM
06/16/91 1:02:00 + 29:20
SAMPLE: S5 91-13589
CONDS.: MS-B CASE: EOH0022
GC TEMP: 298 DEG. C
ENHANCED (S 15B 2N 0T)

DATA: AD34513589 #1825
CALI: AD34513589 #2

BASE M/Z: 228
RIC: 13440.

00563

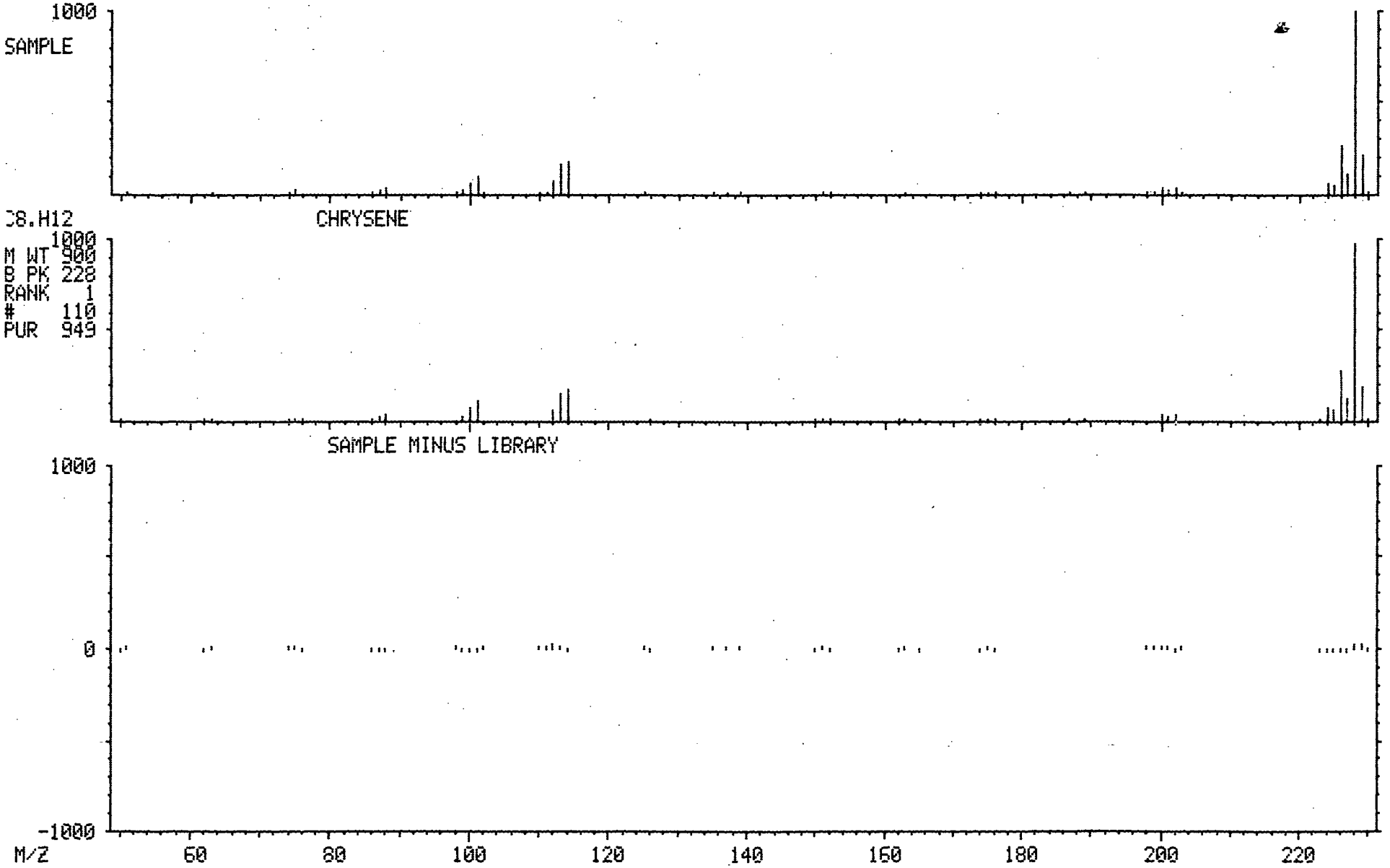


MID LIBRARY SEARCH
06/16/91 1:02:00 + 23:20
SAMPLE: S5 91-13589
CONDS.: MS-B CASE: EOH0022
ENHANCED (S 15B 2N 0T)

DATA: AD34513589 #1825
CALI: AD34513589 # 2

BASE M/Z: 228
RIC: 13407.

00564

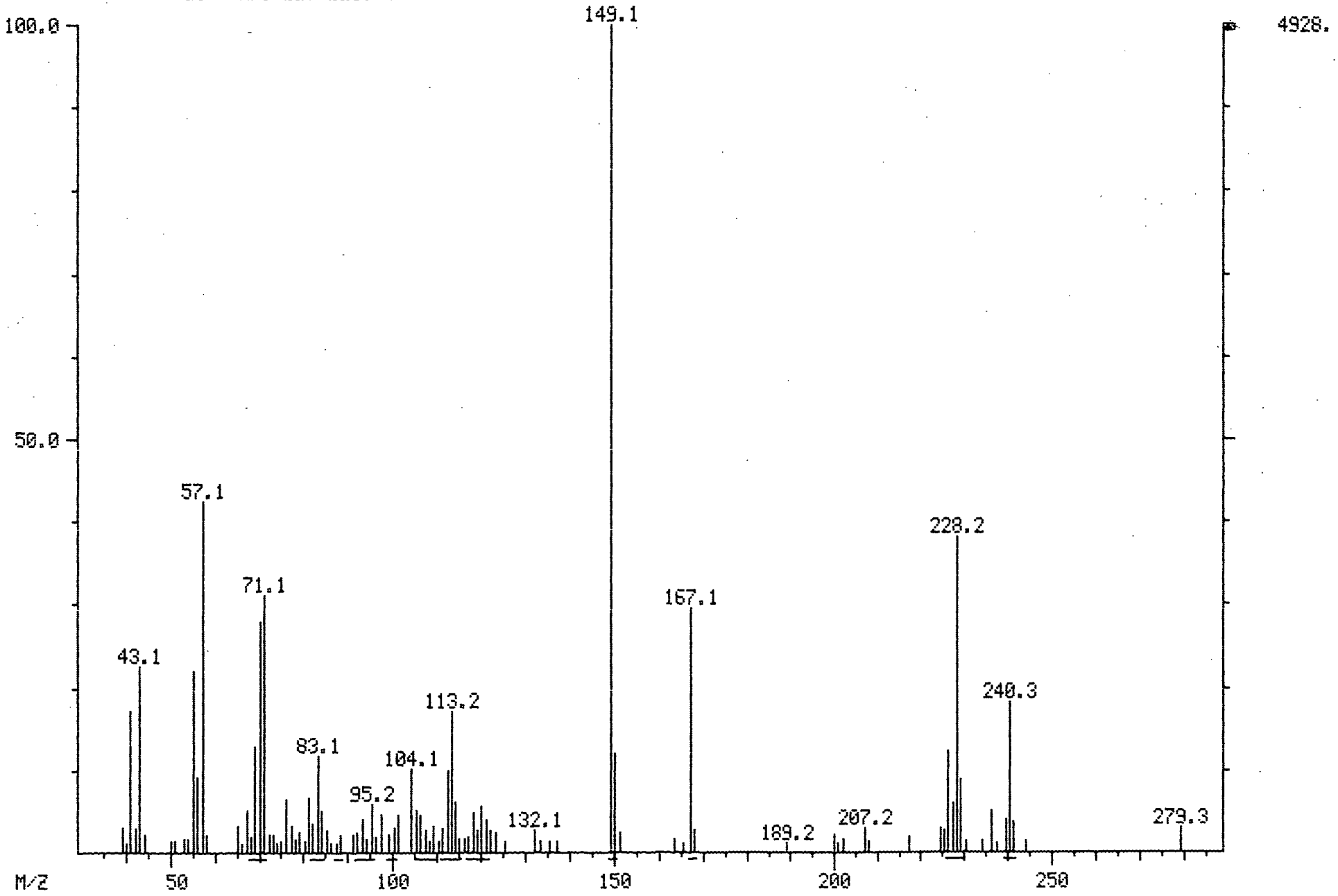


MID MASS SPECTRUM
06/16/91 1:02:00 + 29:18
SAMPLE: S5 91-13589
CONDS.: MS-B CASE: EOH0022
GC TEMP: 297 DEG. C

DATA: AD34513589 #1823
CALI: AD34513589 #2

BASE M/Z: 149
RIC: 33152.

00565

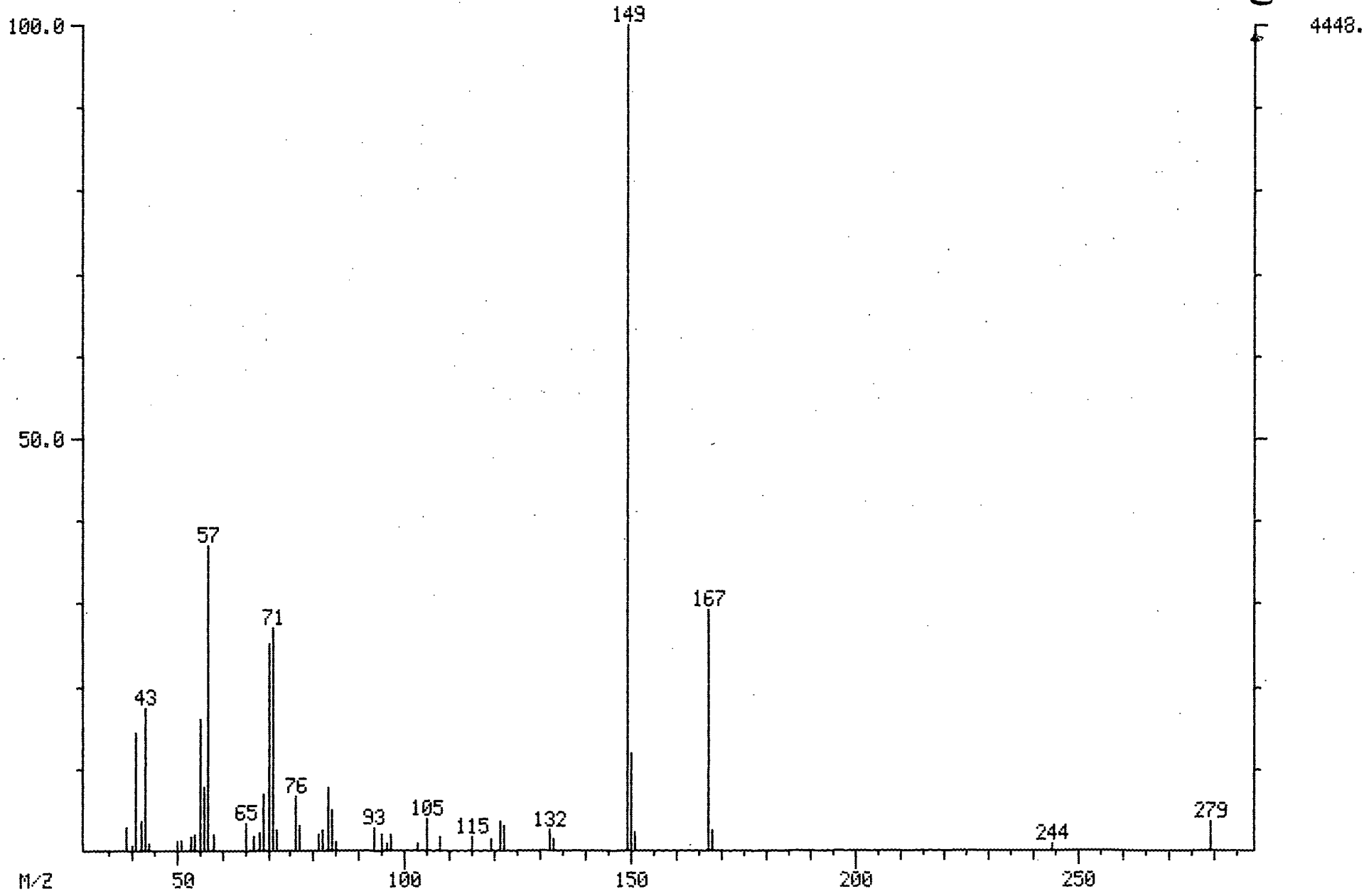


MID MASS SPECTRUM
06/16/91 1:02:00 + 29:18
SAMPLE: S5 91-13589
CONDS.: MS-B CASE: EOH0022
GC TEMP: 297 DEG. C
ENHANCED (S 15B 2N 0T)

DATA: AD34513589 #1823
CALI: AD34513589 #2

BASE M/Z: 149
RIC: 16992.

00566

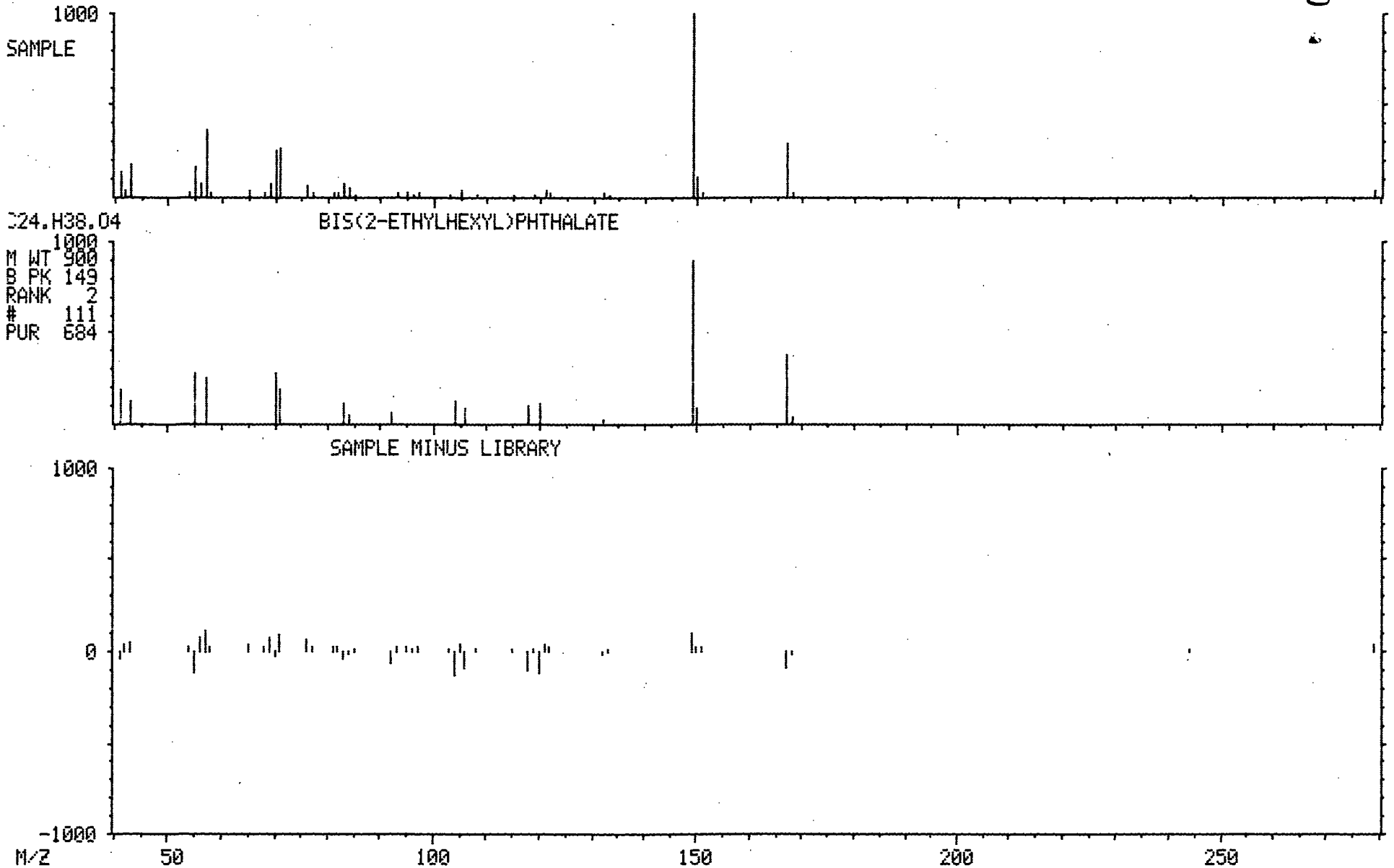


MID LIBRARY SEARCH
06/16/91 1:02:00 + 29:18
SAMPLE: S5 91-13589
CONDS.: MS-B CASE: EOH0022
ENHANCED (S 15B 2N 0T)

DATA: AD34513589 #1823
CALI: AD34513589 # 2

BASE M/Z: 149
RIC: 16479.

00567

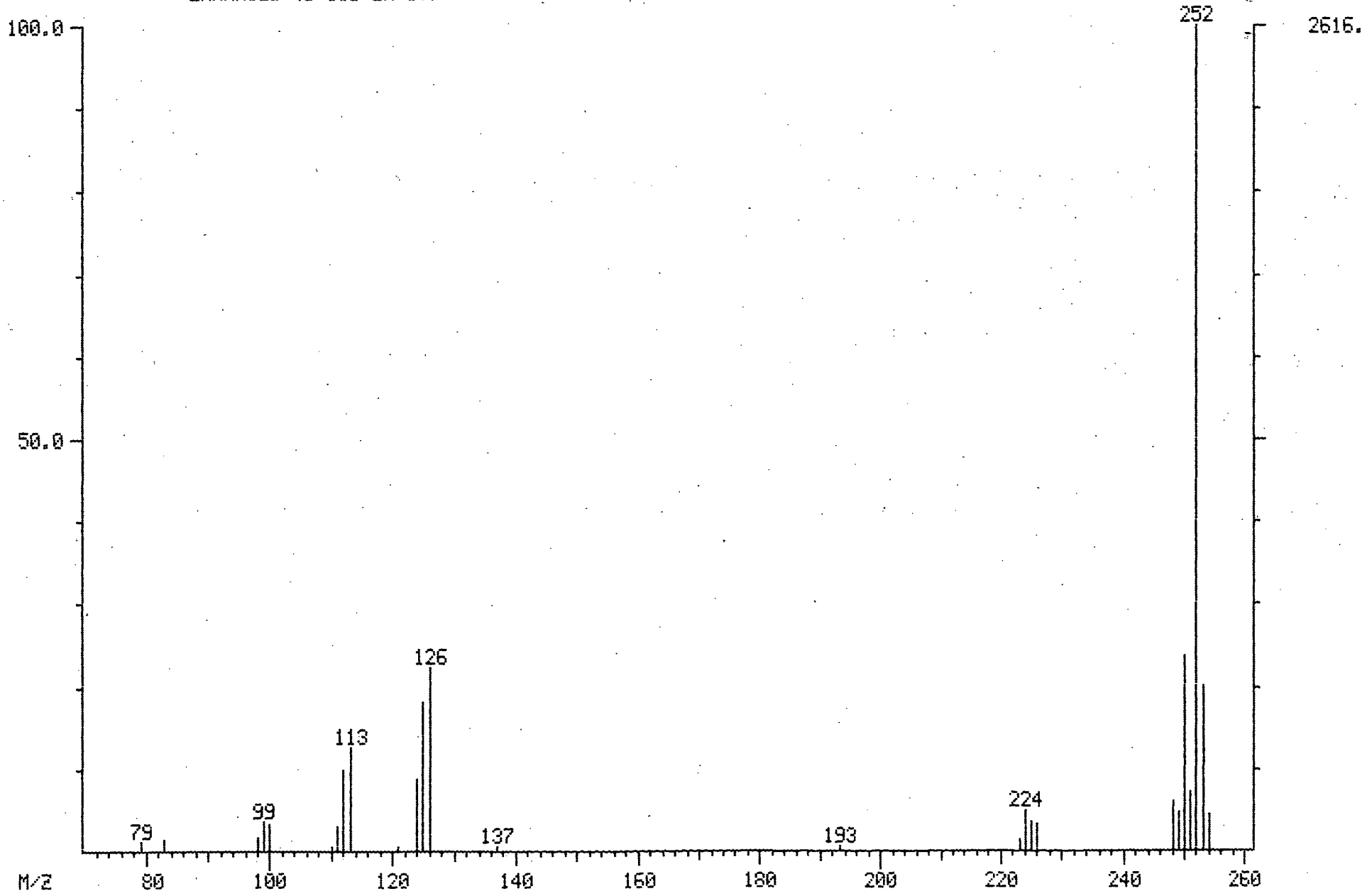


MID MASS SPECTRUM
06/16/91 1:02:00 + 32:32
SAMPLE: S5 91-13589
CONDS.: MS-B CASE: EOH0022
GC TEMP: 300 DEG. C
ENHANCED (S 15B 2N 0T)

DATA: AD34513589 #2024
CALI: AD34513589 #2

BASE M/Z: 252
RIC: 7032.

00568

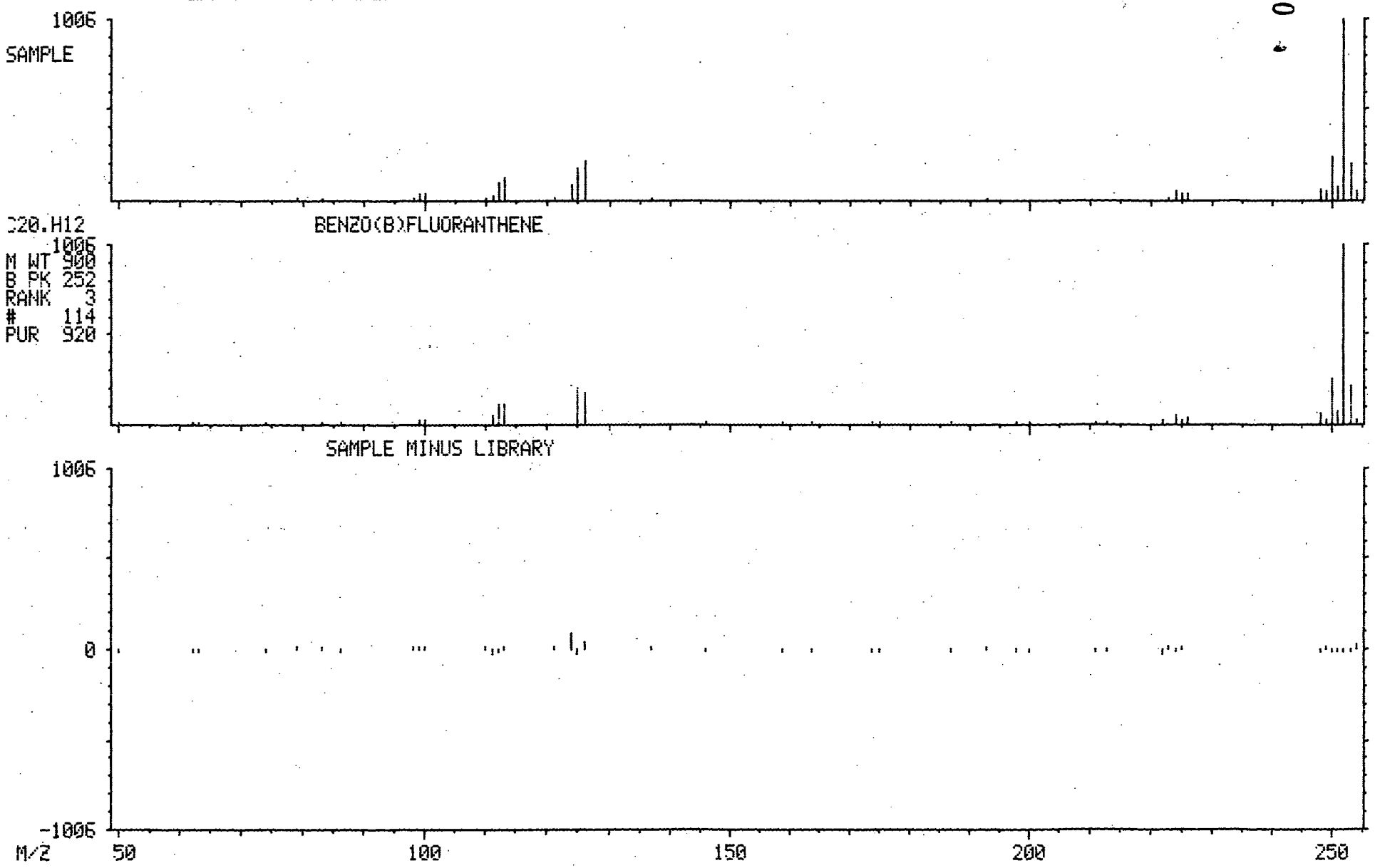


MID LIBRARY SEARCH
06/16/91 1:02:00 + 32:32
SAMPLE: S5 91-13589
CONDS.: MS-B CASE: EOH0022
ENHANCED (S 15B 2N 0T)

DATA: AD34S13589 #2024
CALI: AD34S13589 # 2

BASE M/Z: 252
RIC: 7031.

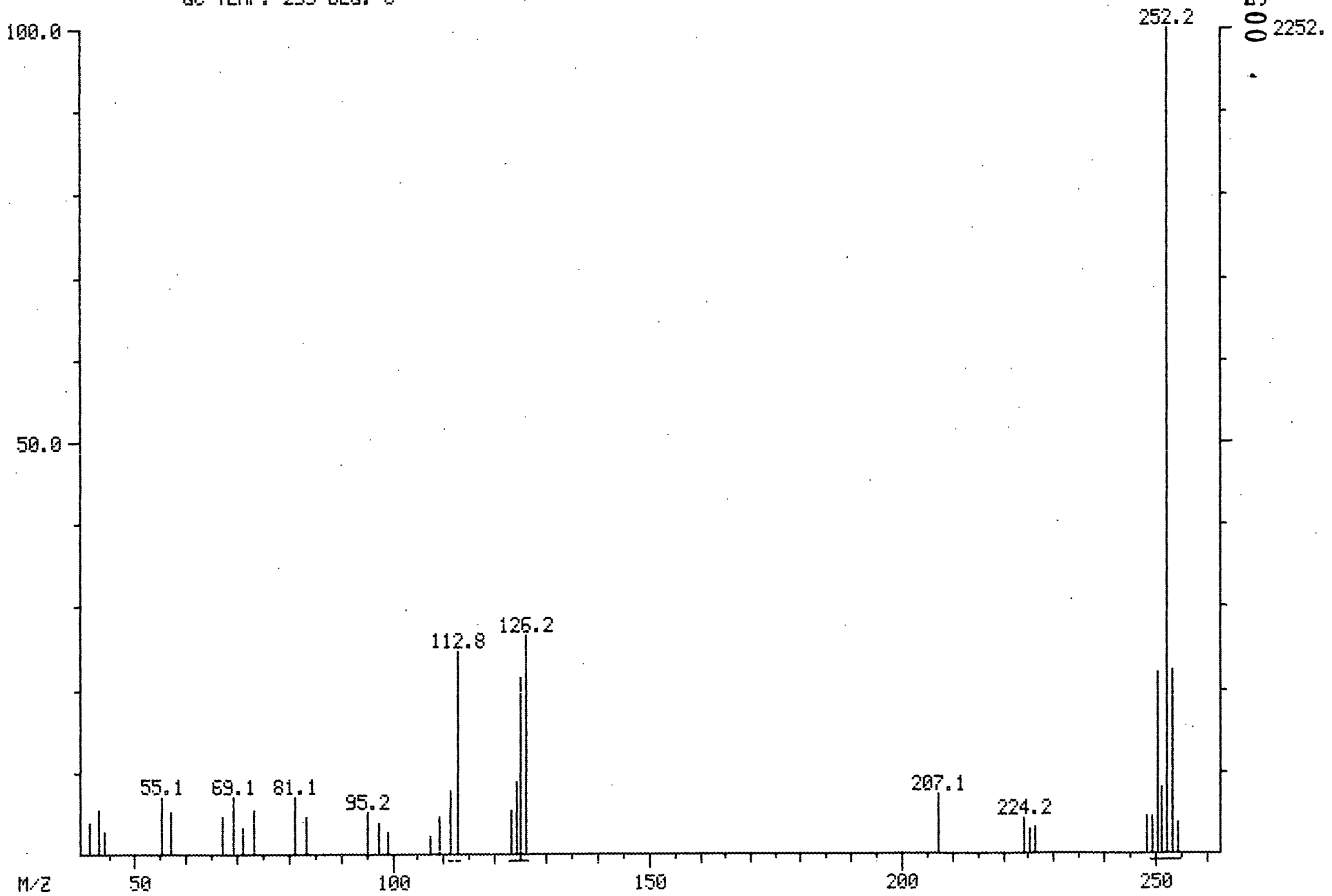
00569



MID MASS SPECTRUM
06/16/91 1:02:00 + 33:49
SAMPLE: S5 91-13589
CONDS.: MS-B CASE: EOH0022
GC TEMP: 299 DEG. C

DATA: AD34513589 #2104
CALI: AD34513589 #2

BASE M/Z: 252
RIC: 7944.

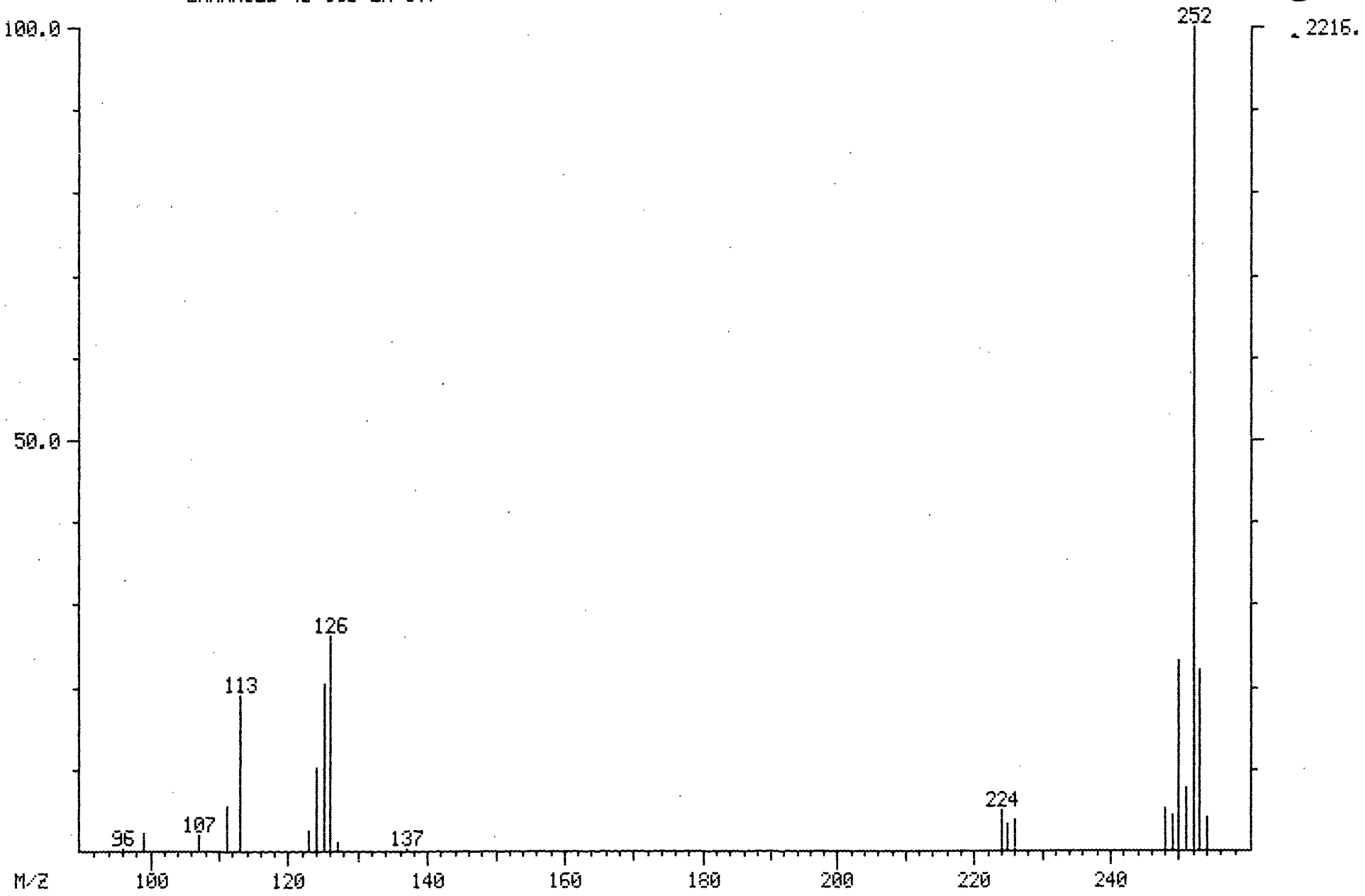


00570

MID MASS SPECTRUM
06/16/91 1:02:00 + 33:49
SAMPLE: S5 91-13589
CONDS.: MS-B CASE: EOH0022
GC TEMP: 299 DEG. C
ENHANCED (S 15B 2N 0T)

DATA: AD34513589 #2104
CALI: AD34513589 #2

BASE M/Z: 252
RIC: 5960.



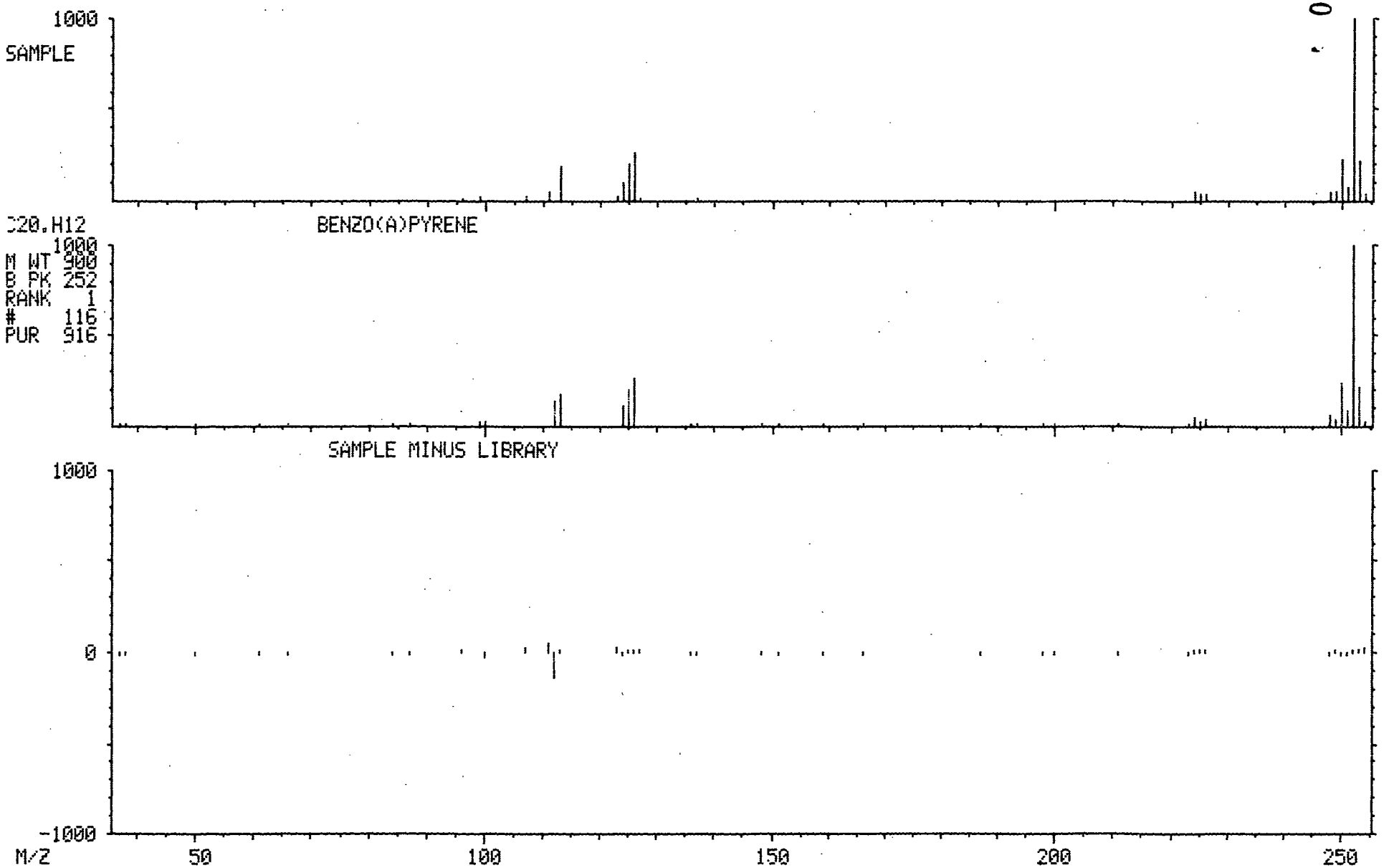
00571

MID LIBRARY SEARCH
06/16/91 1:02:00 + 33:49
SAMPLE: S5 91-13589
CONDS.: MS-B CASE: EOH0022
ENHANCED (S 15B 2N 0T)

DATA: AD34513589 #2104
CALI: AD34513589 # 2

BASE M/Z: 252
RIC: 5959.

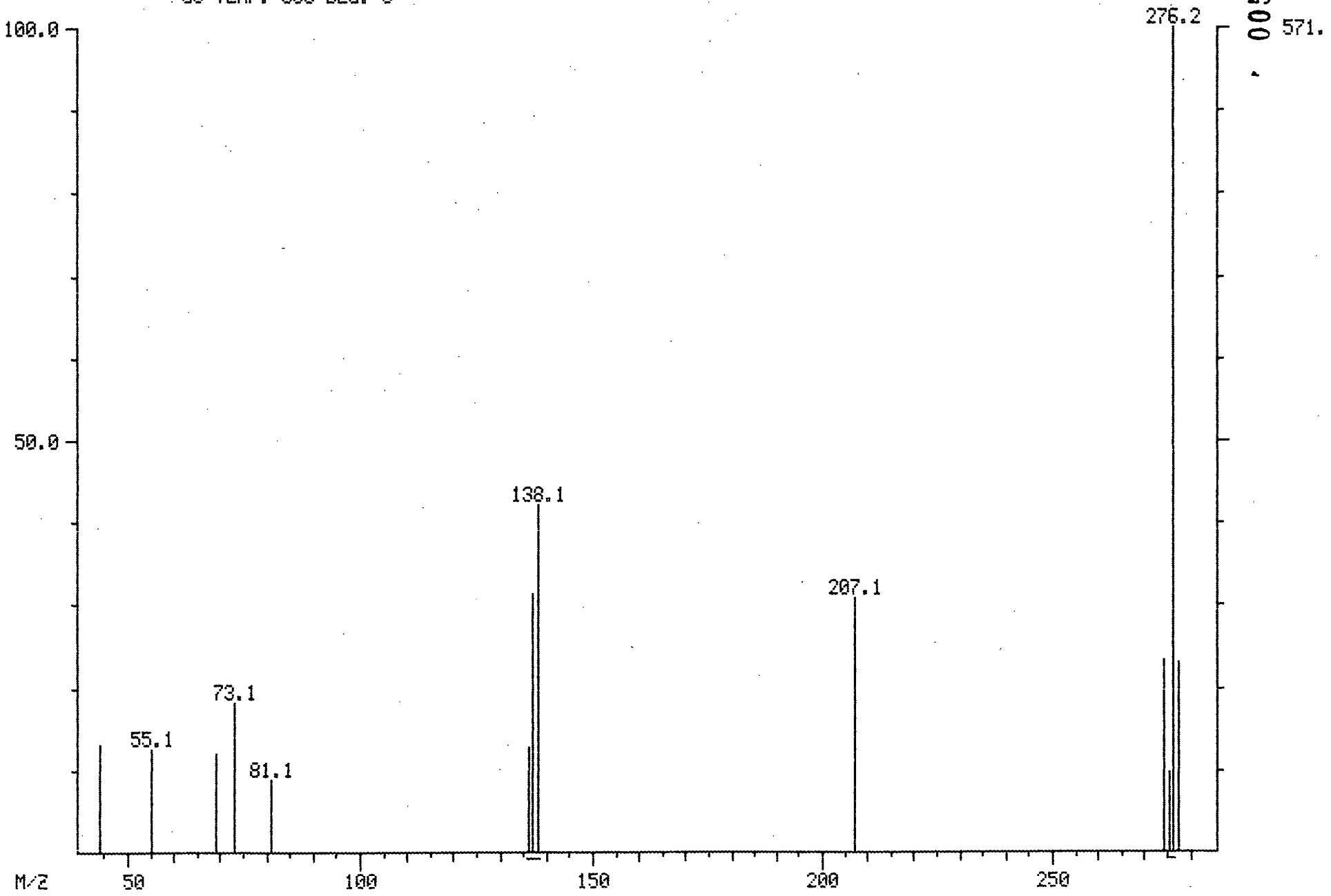
00572



MID MASS SPECTRUM
06/16/91 1:02:00 + 41:28
SAMPLE: S5 91-13589
CONDS.: MS-B CASE: EOH0022
GC TEMP: 300 DEG. C

DATA: AD34513589 #2579
CALI: AD34513589 #2

BASE M/Z: 276
RIC: 1936.



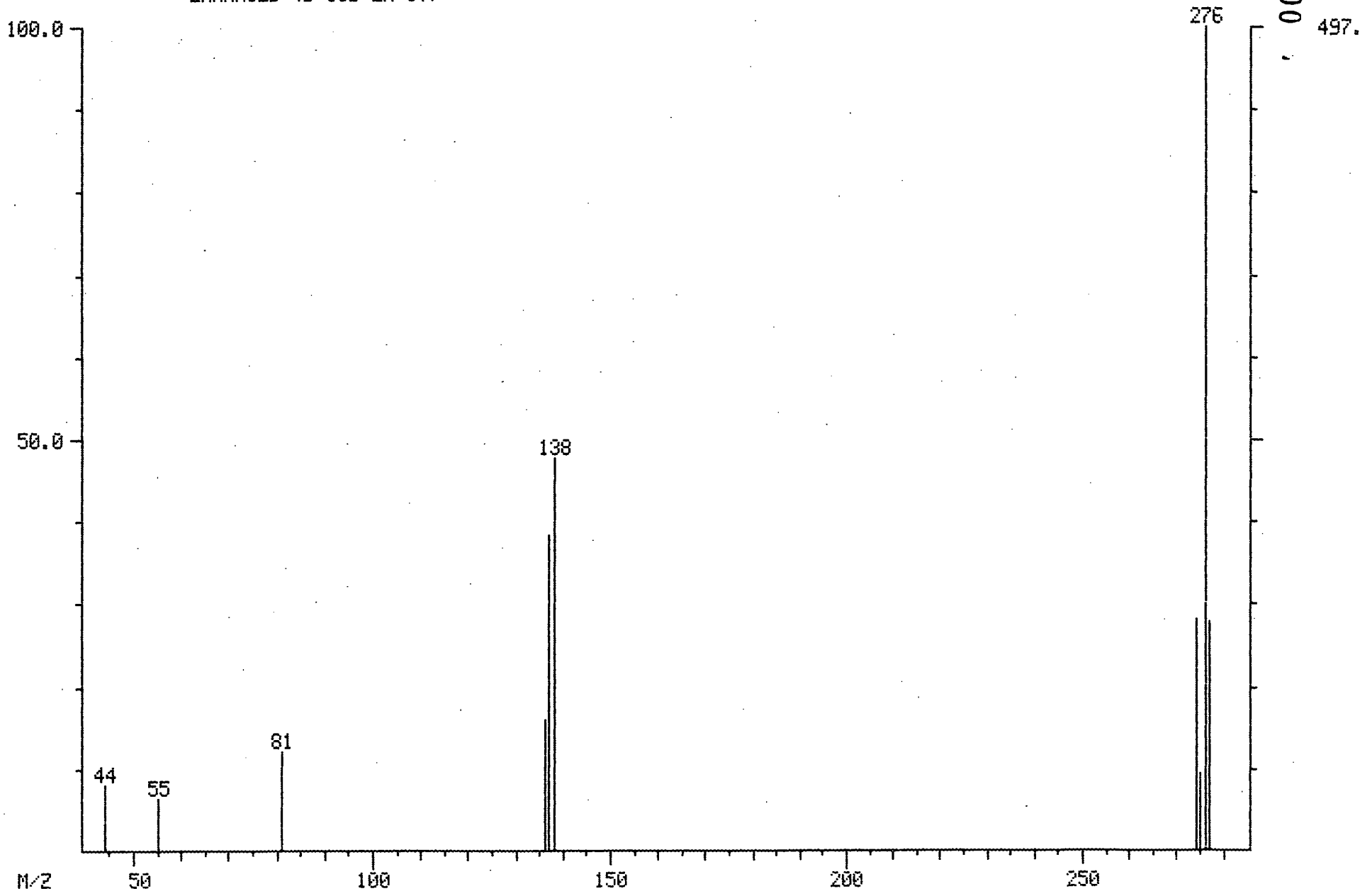
00573

MID MASS SPECTRUM
06/16/91 1:02:00 + 41:28
SAMPLE: S5 91-13589
CONDS.: MS-B CASE: EOH0022
GC TEMP: 300 DEG. C
ENHANCED (S 15B 2N 0T)

DATA: AD34513589 #2579
CALI: AD34513589 #2

BASE M/Z: 276
RIC: 1466.

00574

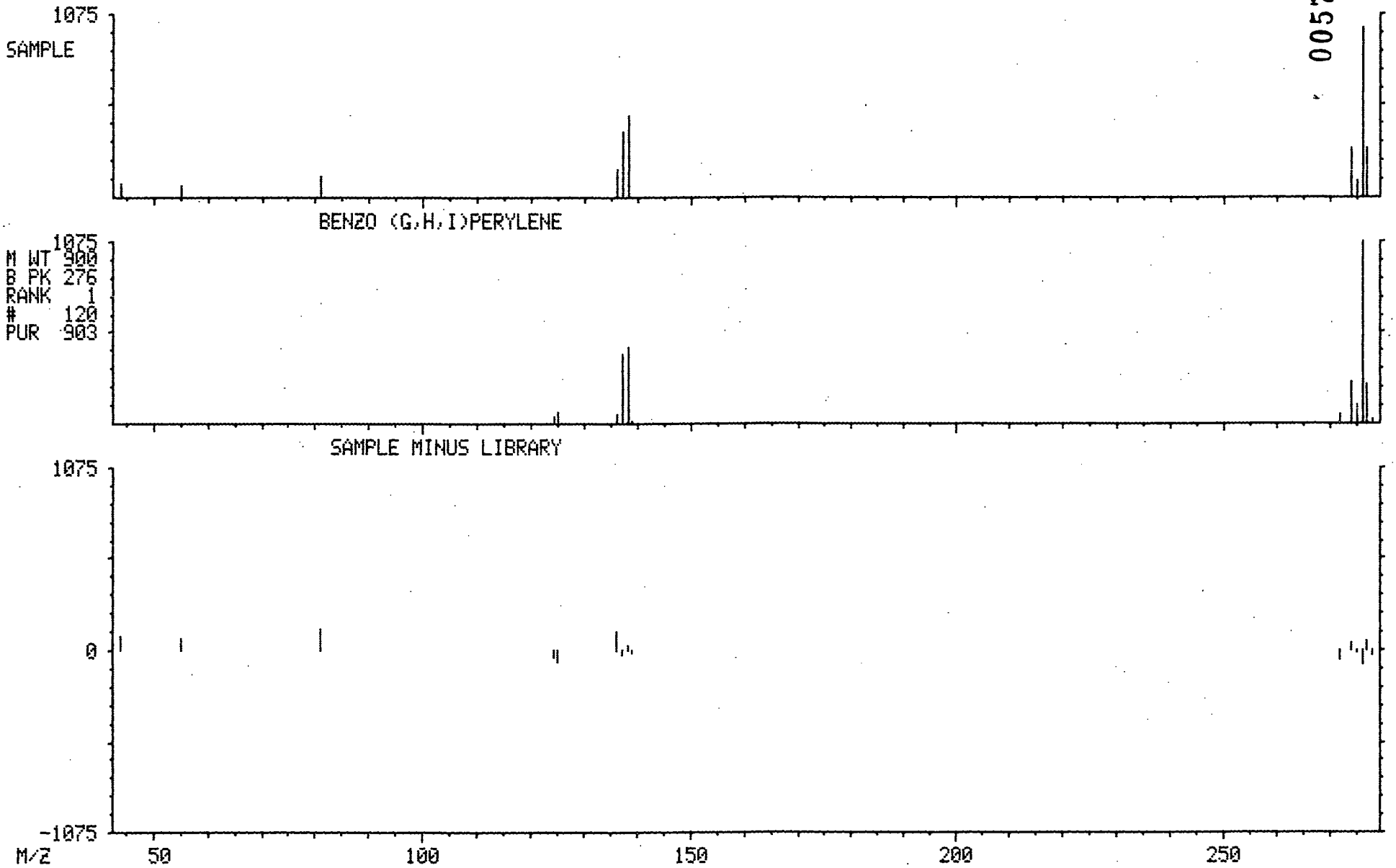


MID LIBRARY SEARCH
06/16/91 1:02:00 + 41:28
SAMPLE: S5 91-13589
CONDS.: MS-B CASE: EOH0022
ENHANCED (S 15B 2N 0T)

DATA: AD34513589 #2579
CALI: AD34513589 # 2

BASE M/Z: 276
RIC: 1465.

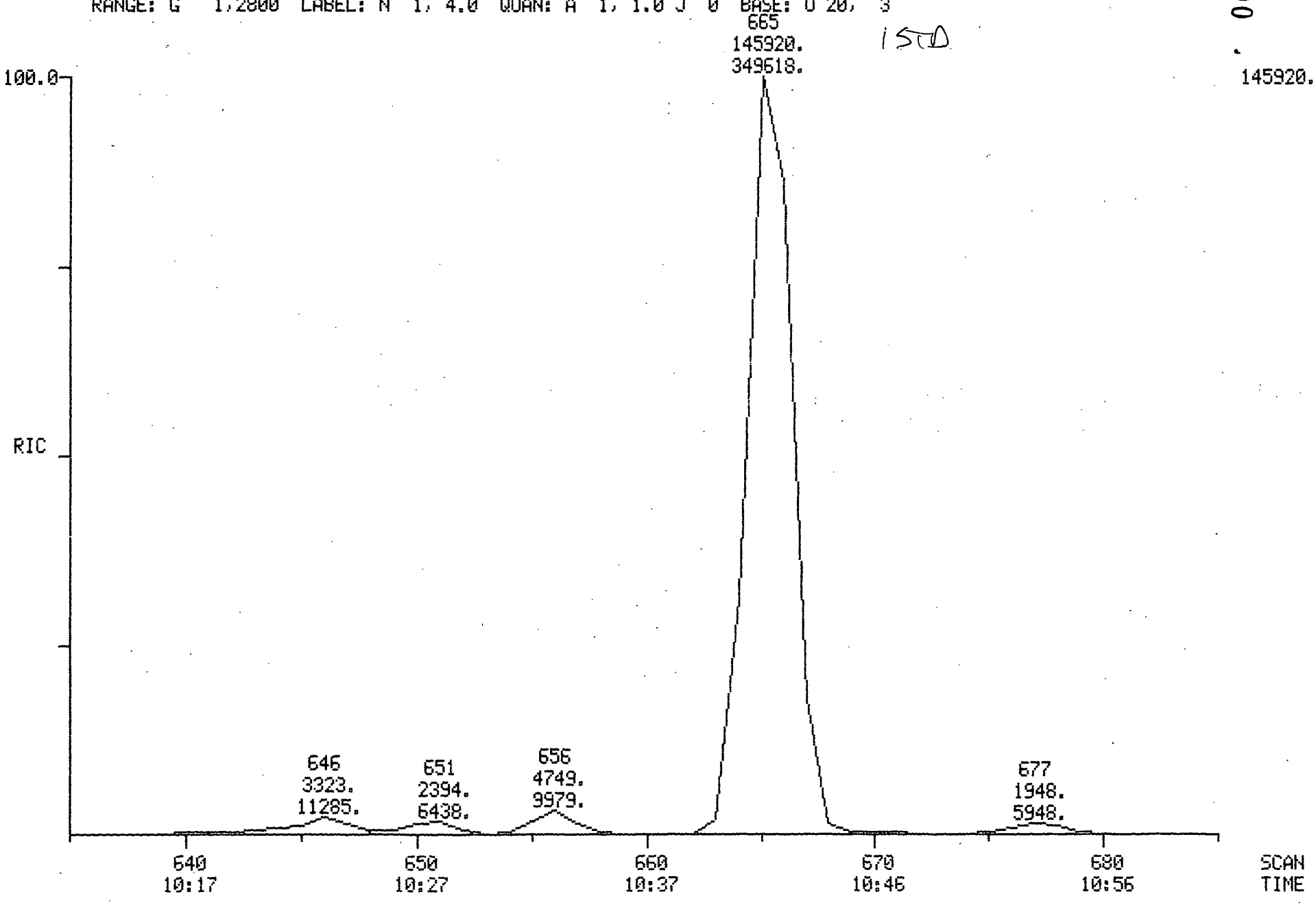
00575



MIDRIC
06/16/91 1:02:00
SAMPLE: S5 91-13589
CONDS.: MS-B CASE: EOH0022
RANGE: G 1,2800 LABEL: N 1, 4.0 QUAN: A 1, 1.0 J 0 BASE: U 20, 3

DATA: AD34513589 #1 SCANS 635 TO 685
CALI: AD34513589 #2

00576

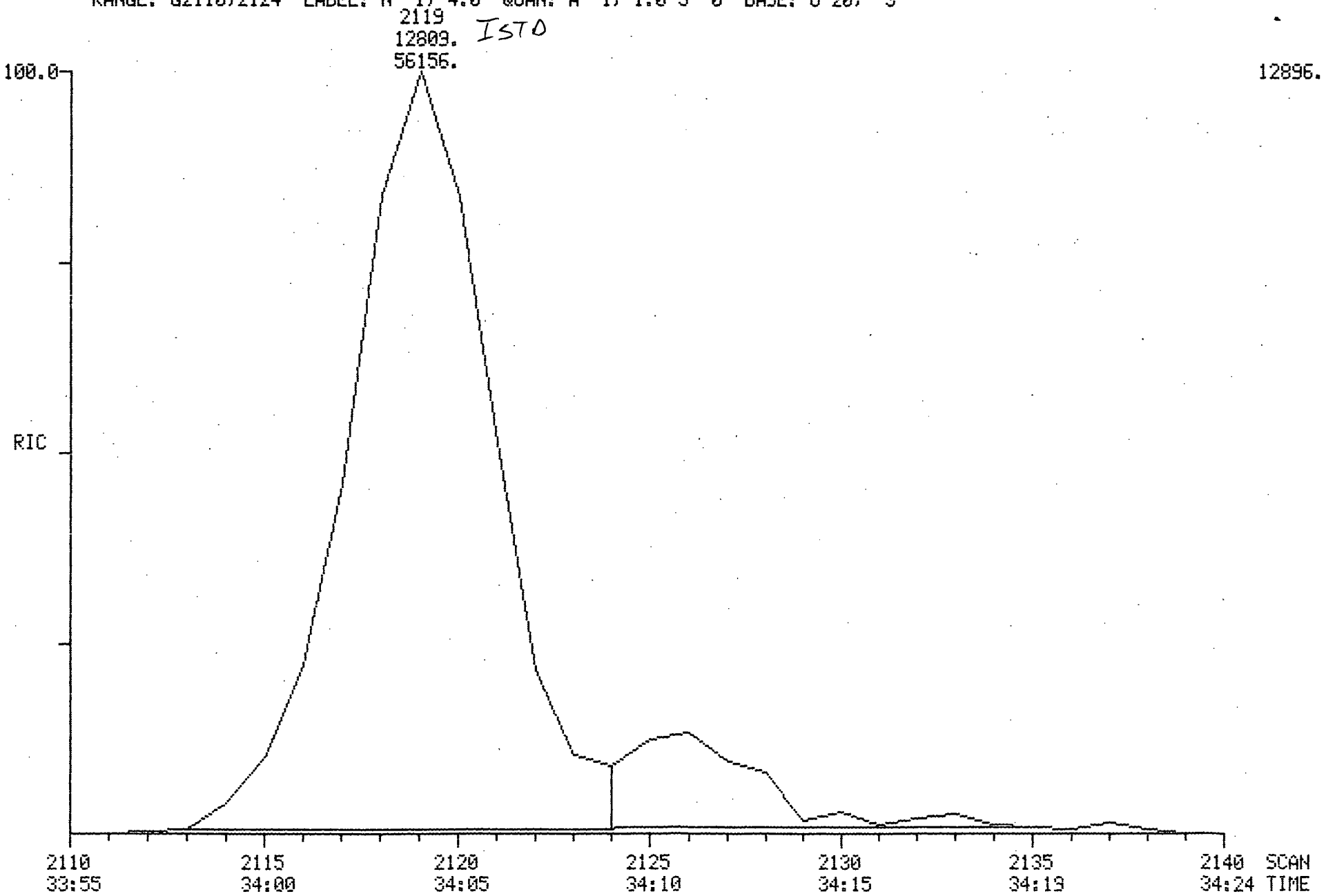


145920.

MIDRIC
06/16/91 1:02:00
SAMPLE: S5 91-13589
CONDS.: MS-B CASE: EOH0022
RANGE: G2110,2124 LABEL: N 1, 4.0 QUAN: A 1, 1.0 J 0 BASE: U 20, 3

DATA: AD34513589 #2126 SCANS 2110 TO 2140
CALI: AD34513589 #2

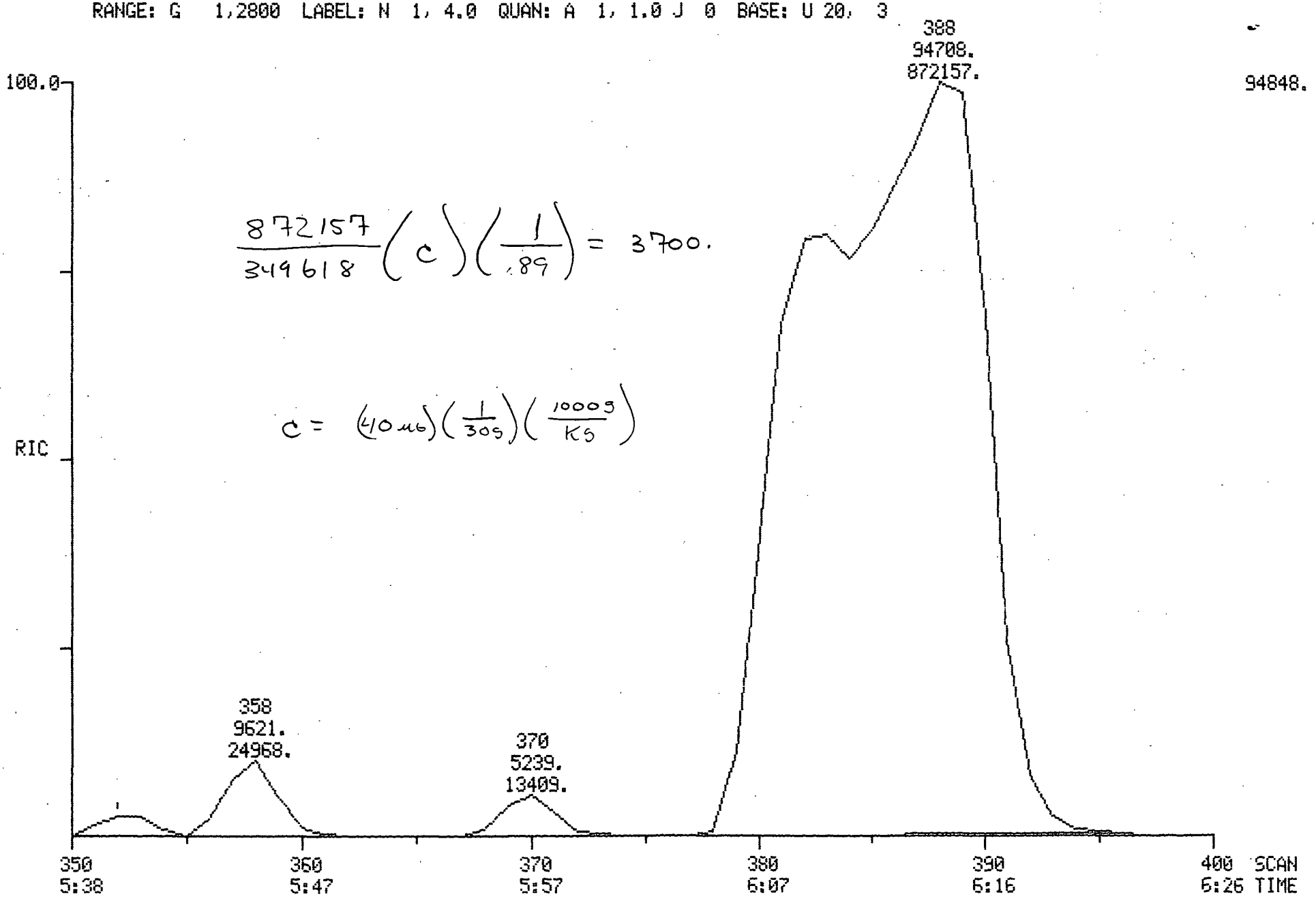
00577



MIDRIC
06/16/91 1:02:00
SAMPLE: S5 91-13589
CONDS.: MS-B CASE: EOH0022
RANGE: G 1,2800 LABEL: N 1, 4.0 QUAN: A 1, 1.0 J 0 BASE: U 20, 3

DATA: AD34513589 #1 SCANS 350 TO 400
CALI: AD34513589 #2

00578



$$\frac{872157}{349618}\left(c\right)\left(\frac{1}{.89}\right) = 3700.$$

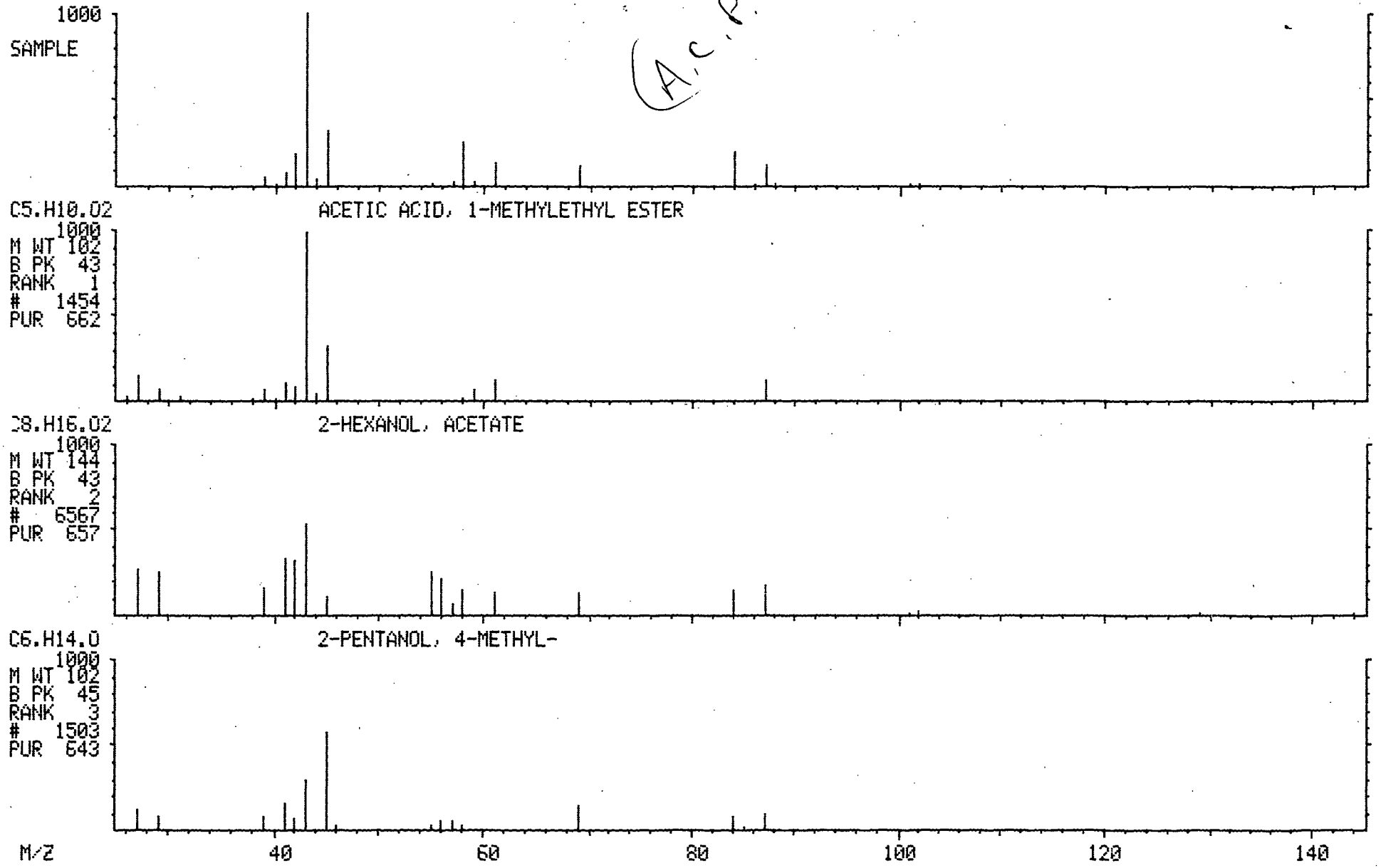
$$c = \left(40\,\mu g\right)\left(\frac{1}{30\,g}\right)\left(\frac{1000\,g}{Kg}\right)$$

MID LIBRARY SEARCH
06/16/91 1:02:00 + 6:14
SAMPLE: S5 91-13589
CONDS.: MS-B CASE: EOH0022
ENHANCED (S 15B 2N 0T)

DATA: AD34S13589 # 388 BASE M/Z: 43
CALI: AD34S13589 # 2 RIC: 59903.

00579

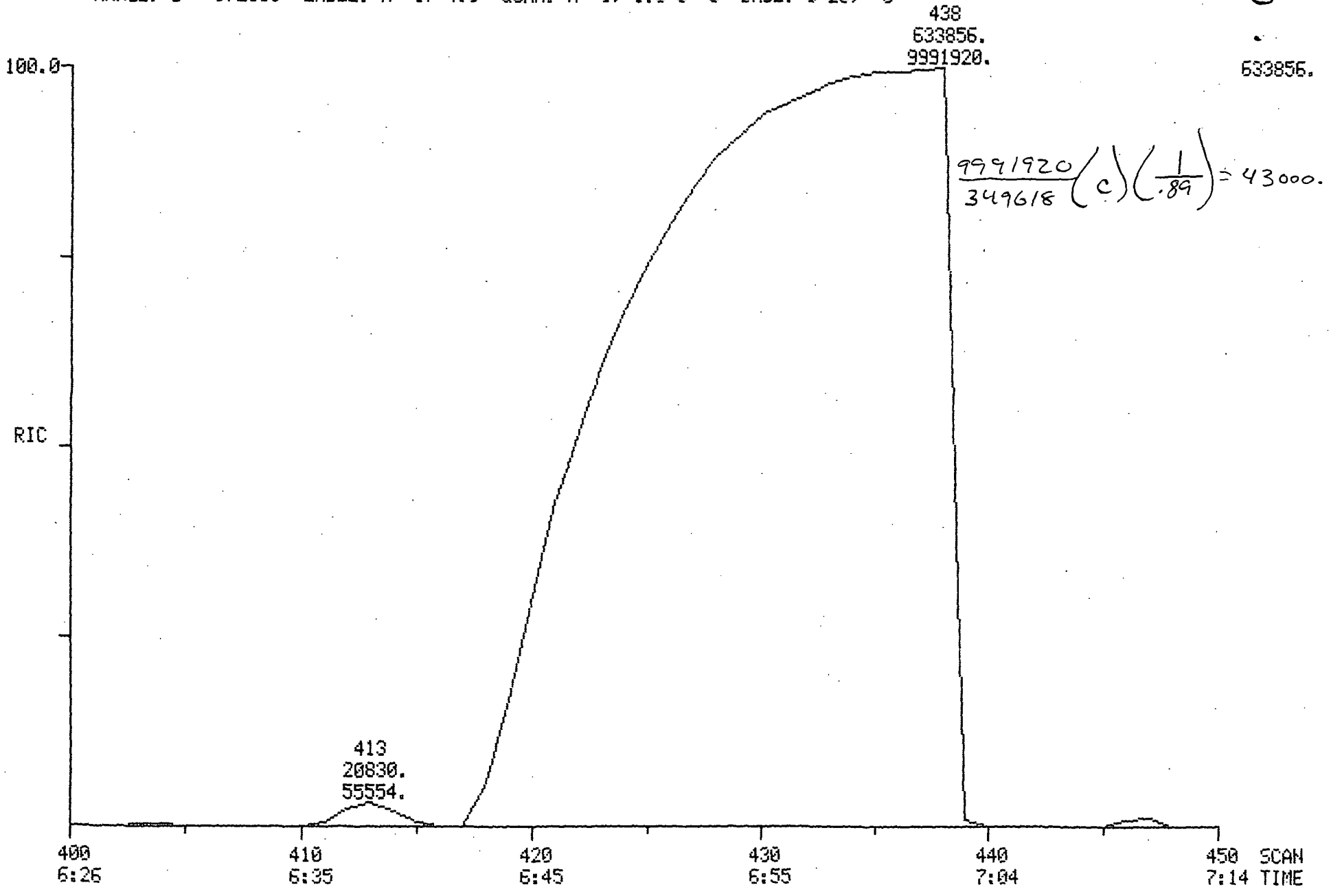
(A.C.P.)



MIDRIC
06/16/91 1:02:00
SAMPLE: S5 91-13589
CONDS.: MS-B CASE: EOH0022
RANGE: G 1,2800 LABEL: N 1, 4.0 QUAN: A 1, 1.0 J 0 BASE: U 20, 3

DATA: AD34513589 #1 SCANS 400 TO 450
CALI: AD34513589 #2

00580



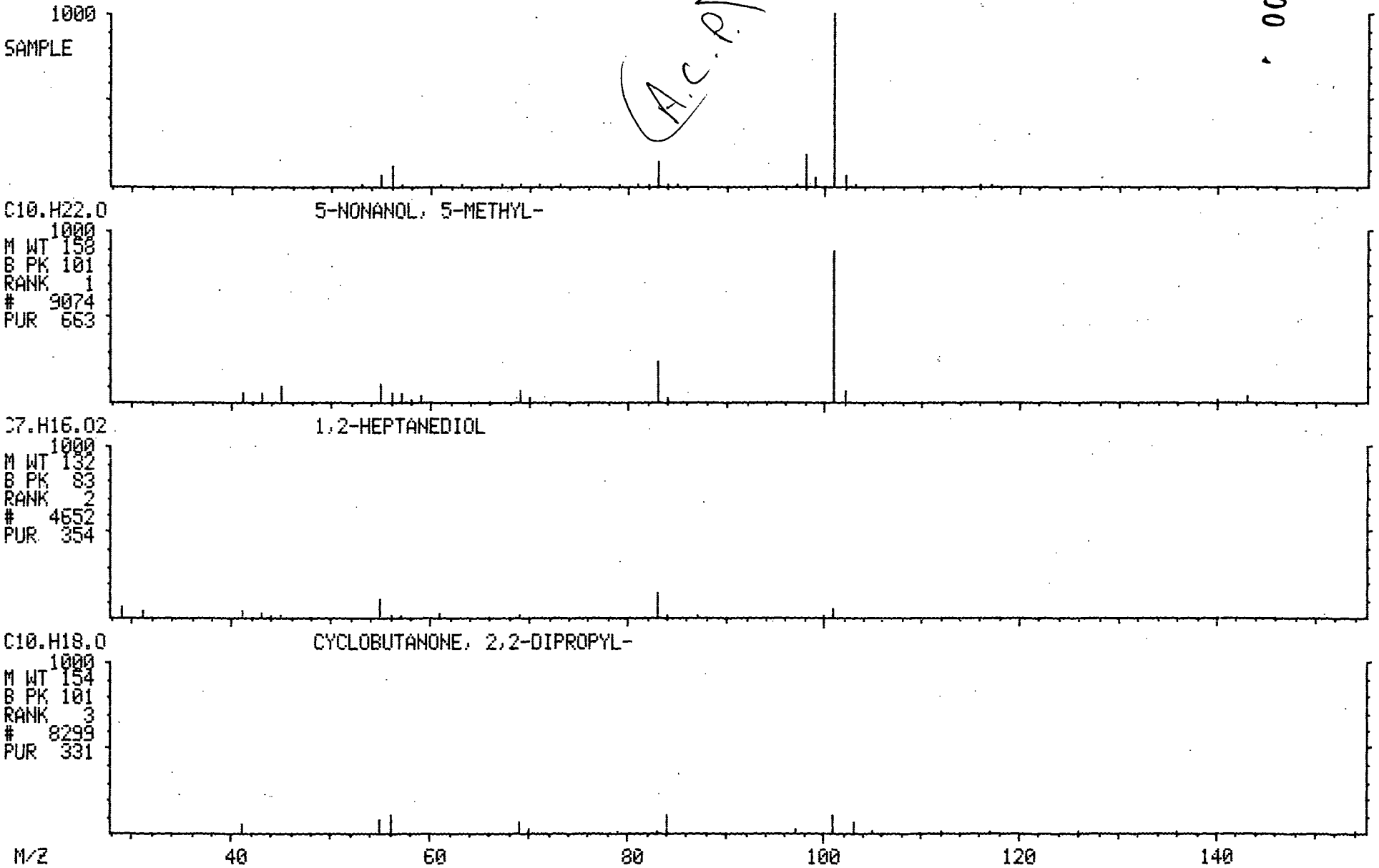
$\frac{9991920}{349618}(c)\left(\frac{1}{.89}\right) = 43000.$

MID LIBRARY SEARCH
06/16/91 1:02:00 + 7:02
SAMPLE: S5 91-13589
CONDS.: MS-B CASE: EOH0022
ENHANCED (S 15B 2N 0T)

DATA: AD34513589 # 438 BASE M/Z: 101
CALI: AD34513589 # 2 RIC: 79103.

00581

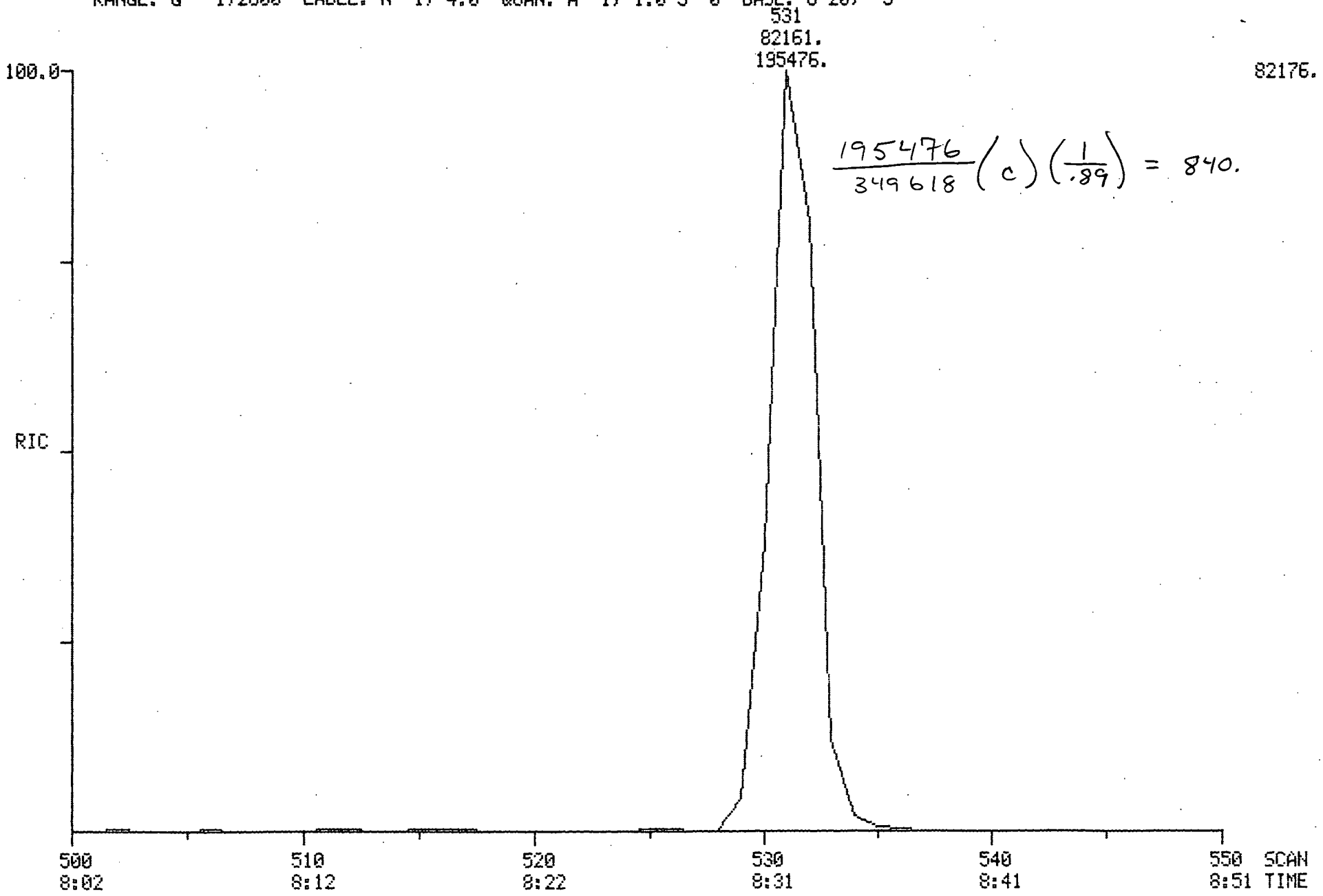
(A.C.P.)



MIDRIC
06/16/91 1:02:00
SAMPLE: S5 91-13589
CONDS.: MS-B CASE: EQH0022
RANGE: G 1,2800 LABEL: N 1, 4.0 QUAN: A 1, 1.0 J 0 BASE: U 20, 3

DATA: AD34513589 #1 SCANS 500 TO 550
CALI: AD34513589 #2

00532



$\frac{195476}{349618}(c)\left(\frac{1}{.89}\right) = 840.$

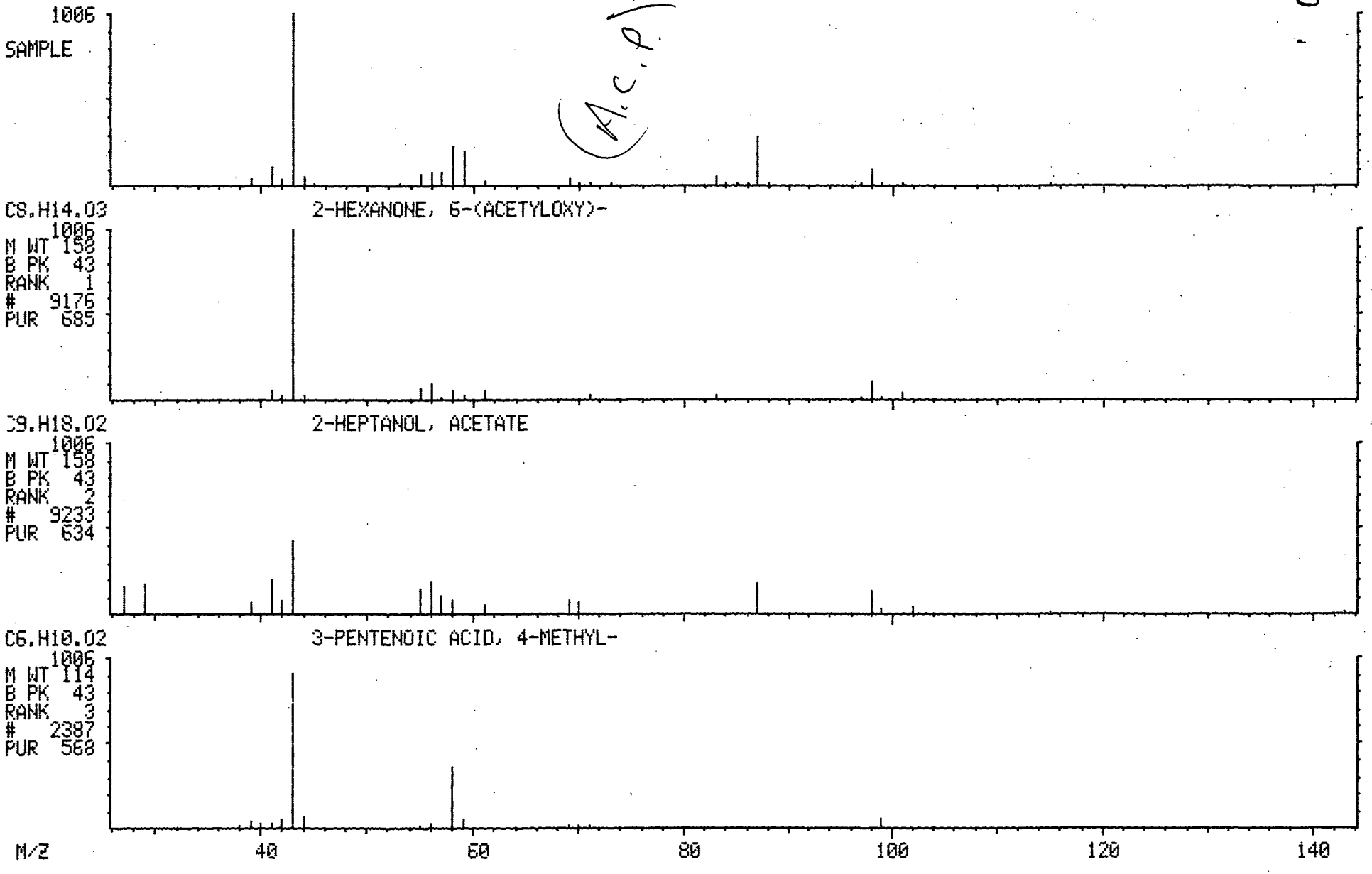
MID LIBRARY SEARCH
06/16/91 1:02:00 + 8:32
SAMPLE: S5 91-13589
CONDS.: MS-B CASE: EOH0022
ENHANCED (S 15B 2N 0T)

DATA: AD34513589 # 531
CALI: AD34513589 # 2

BASE M/Z: 43
RIC: 71167.

00583

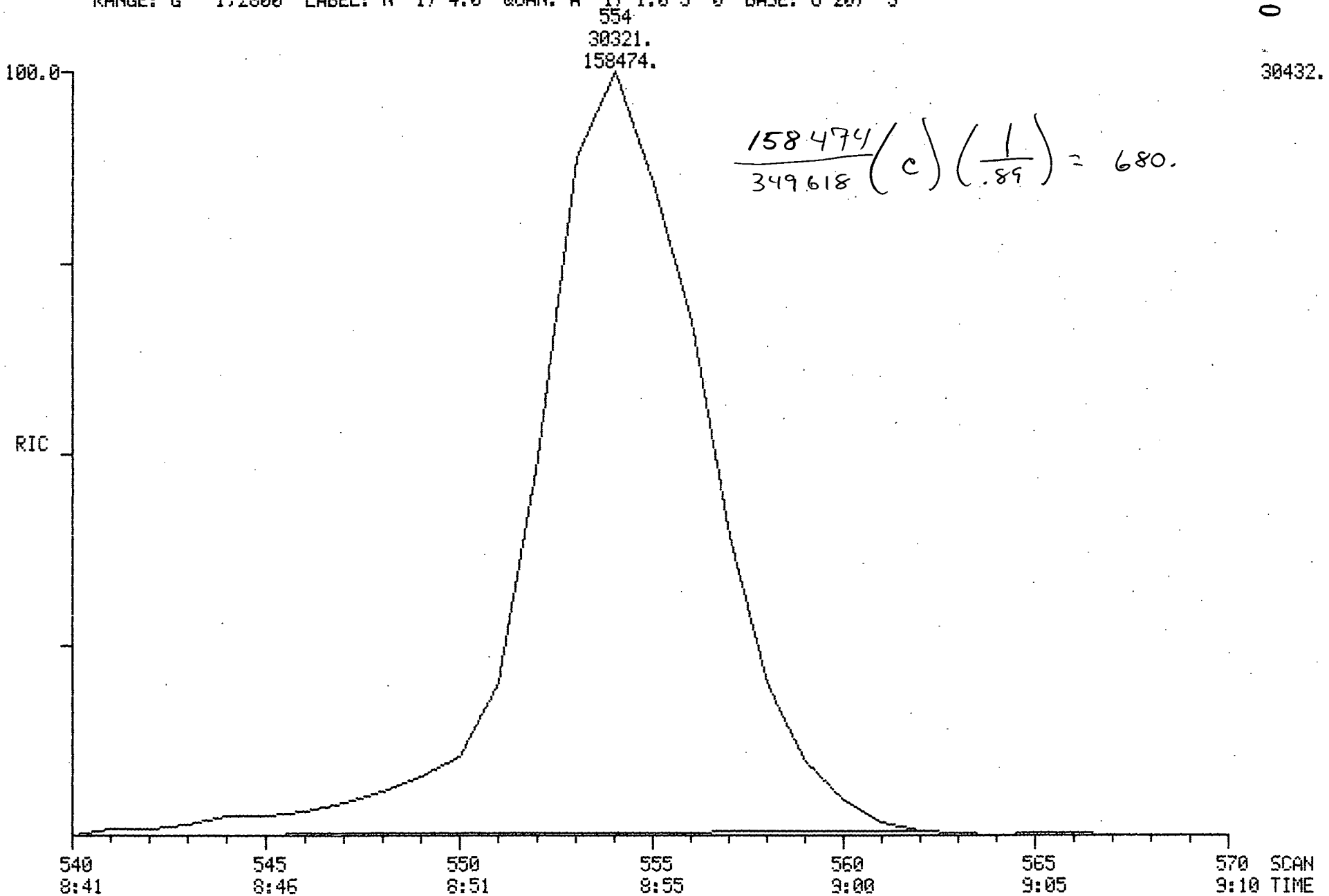
(A.C.P.)



MIDRIC
06/16/91 1:02:00
SAMPLE: 55 91-13589
CONDS.: MS-B CASE: EOH0022
RANGE: G 1,2800 LABEL: N 1, 4.0 QUAN: A 1, 1.0 J 0 BASE: U 20, 3

DATA: AD34513589 #1 SCANS 540 TO 570
CALI: AD34513589 #2

00584



$\frac{158474}{349618}(c)\left(\frac{1}{.89}\right) = 680.$

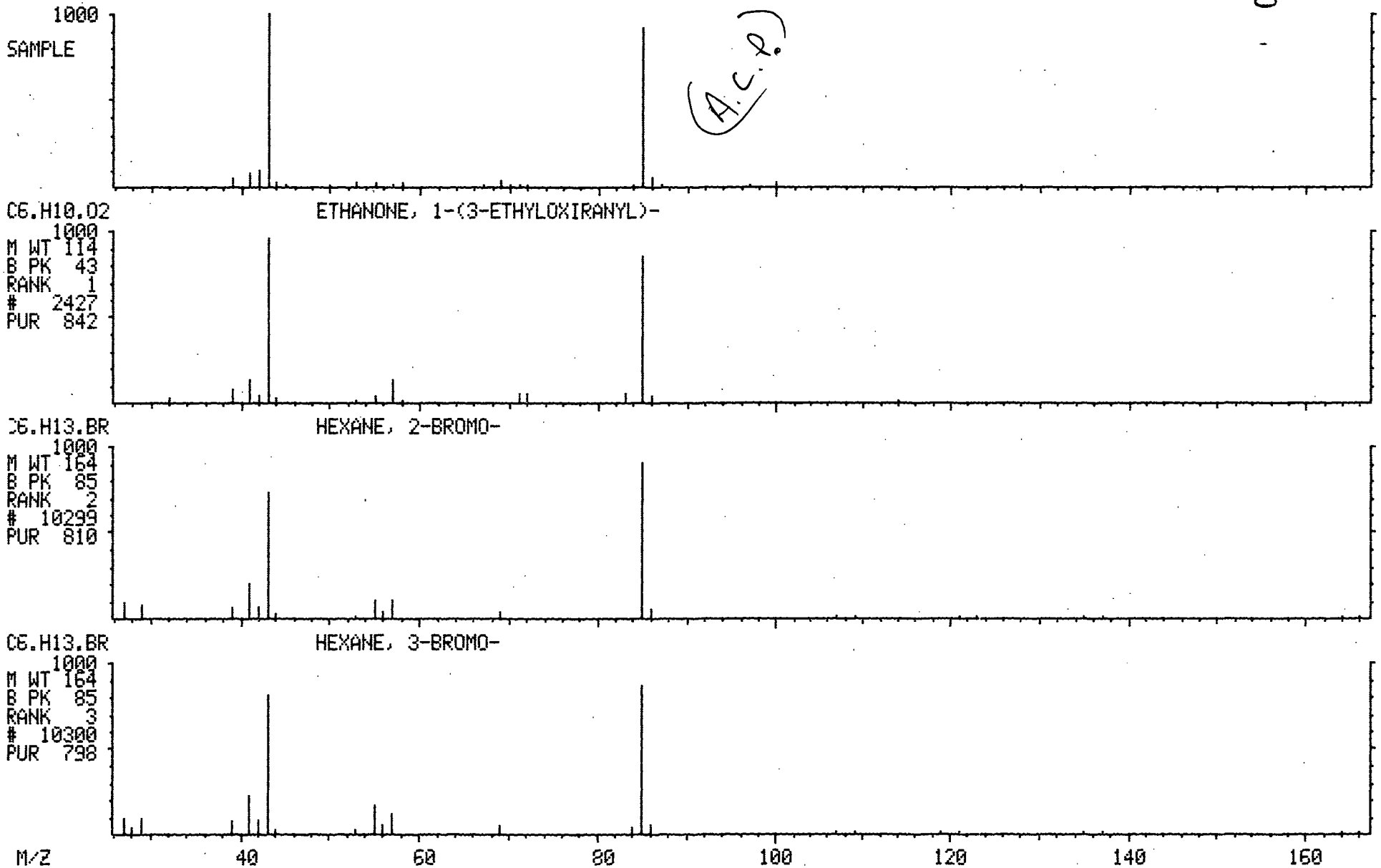
MID LIBRARY SEARCH
06/16/91 1:02:00 + 8:54
SAMPLE: S5 91-13589
CONDS.: MS-B CASE: EOH0022
ENHANCED (S 15B 2N 0T)

DATA: AD34513589 # 554
CALI: AD34513589 # 2

BASE M/Z: 43
RIC: 28127.

00585

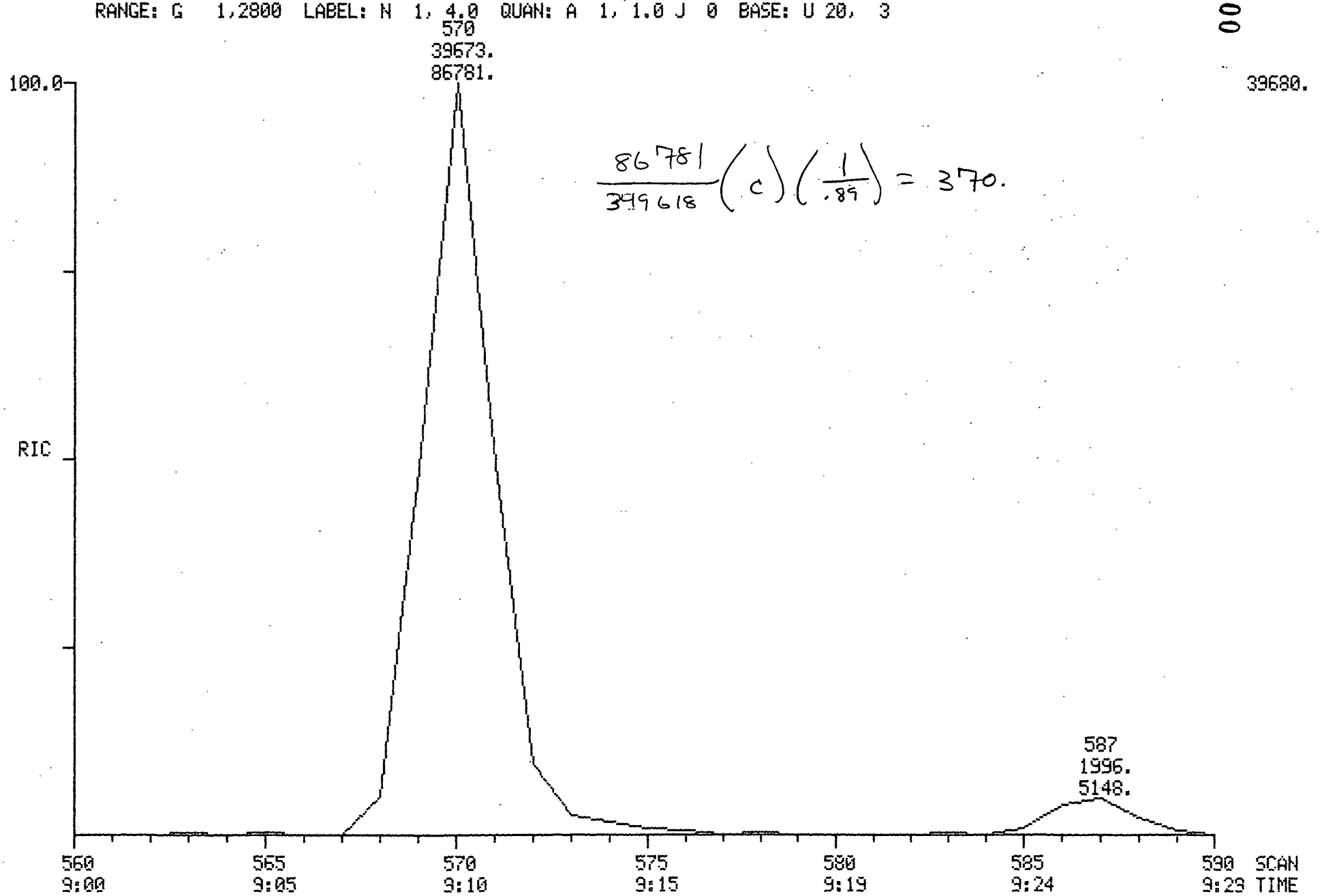
(A.C.P.)



MIDRIC
06/16/91 1:02:00
SAMPLE: S5 91-13589
CONDS.: MS-B CASE: EOH0022
RANGE: G 1,2800 LABEL: N 1, 4.0 QUAN: A 1, 1.0 J 0 BASE: U 20, 3

DATA: AD34513589 #1 SCANS 560 TO 590
CALI: AD34513589 #2

00586



$$\frac{86781}{399618}(c)\left(\frac{1}{.89}\right) = 370.$$

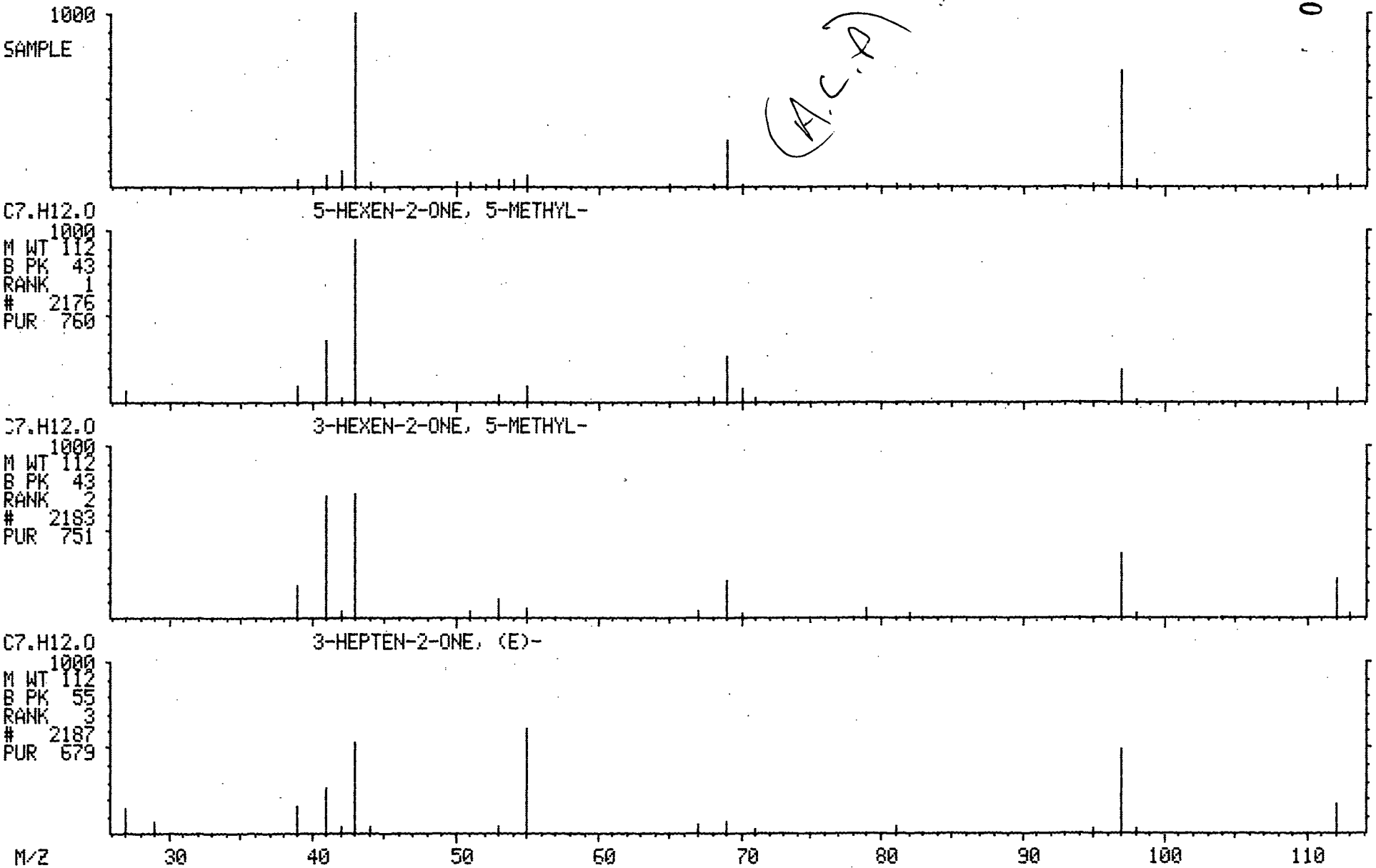
MID LIBRARY SEARCH
06/16/91 1:02:00 + 9:10
SAMPLE: S5 91-13589
CONDS.: MS-B CASE: EOH0022
ENHANCED (S 15B 2N 0T)

DATA: AD34513589 # 570
CALI: AD34513589 # 2

BASE M/Z: 43
RIC: 31807.

00587

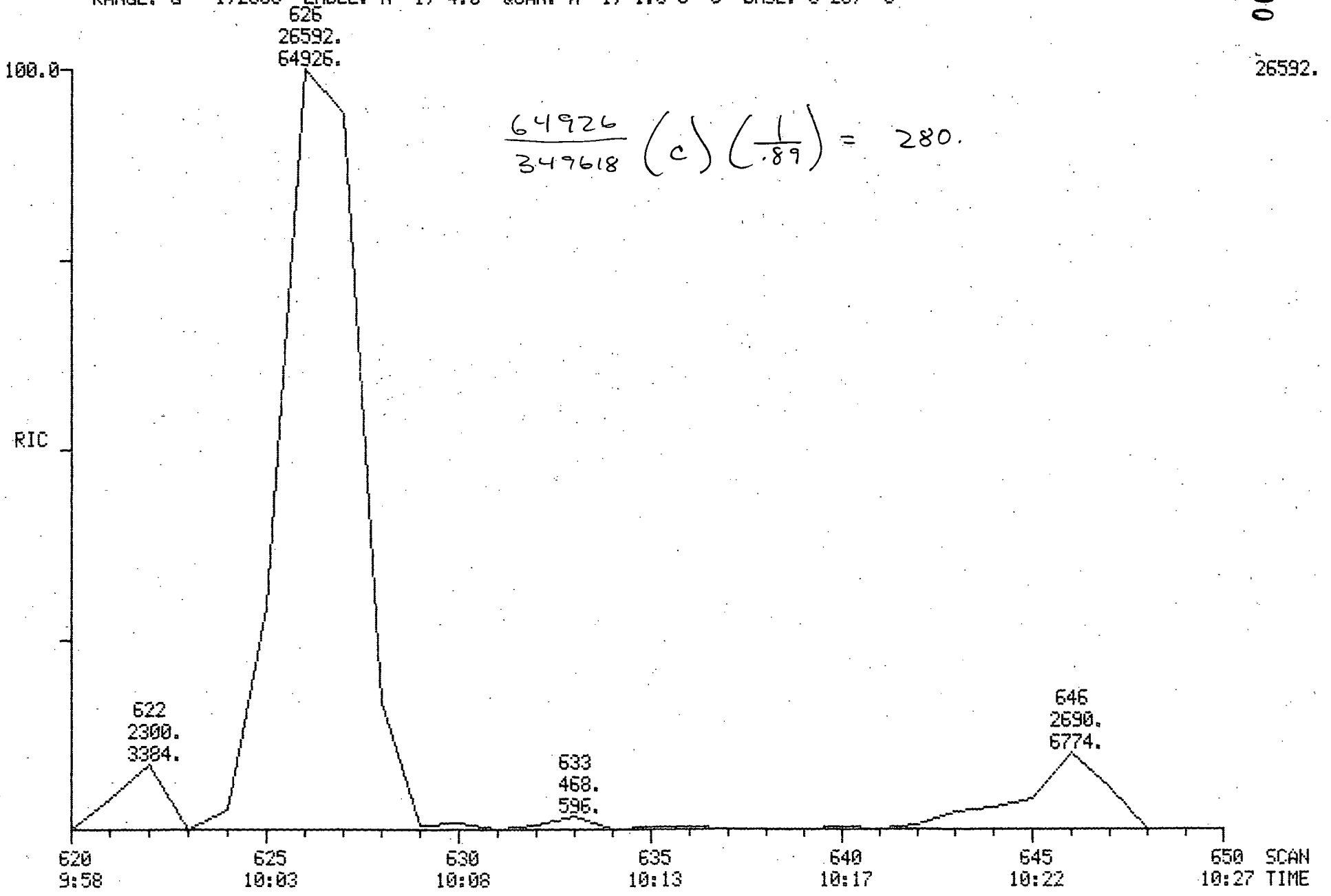
(A.C.P)



MIDRIC
06/16/91 1:02:00
SAMPLE: S5 91-13589
CONDS.: MS-B CASE: EOH0022
RANGE: G 1,2800 LABEL: N 1, 4.0 QUAN: A 1, 1.0 J 0 BASE: U 20, 3

DATA: AD34513589 #1 SCANS 620 TO 650
CALI: AD34513589 #2

00588



26592.

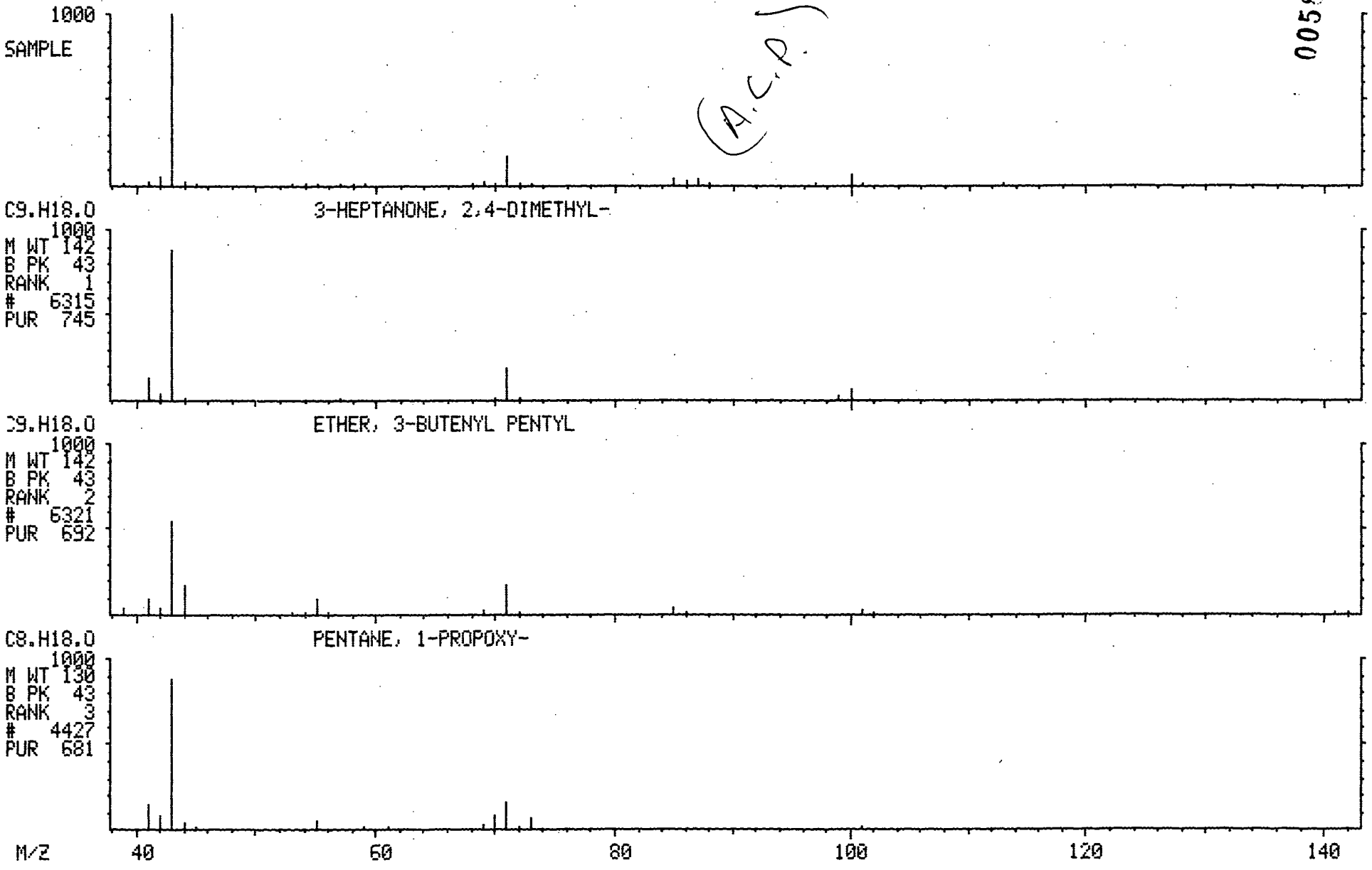
$$\frac{64926}{349618}(c)\left(\frac{1}{.89}\right) = 280.$$

MID LIBRARY SEARCH
06/16/91 1:02:00 + 10:04
SAMPLE: S5 91-13589
CONDS.: MS-B CASE: EOH0022
ENHANCED (S 15B 2N 0T)

DATA: AD34513589 # 626 BASE M/Z: 43
CALI: AD34513589 # 2 RIC: 23871.

00589

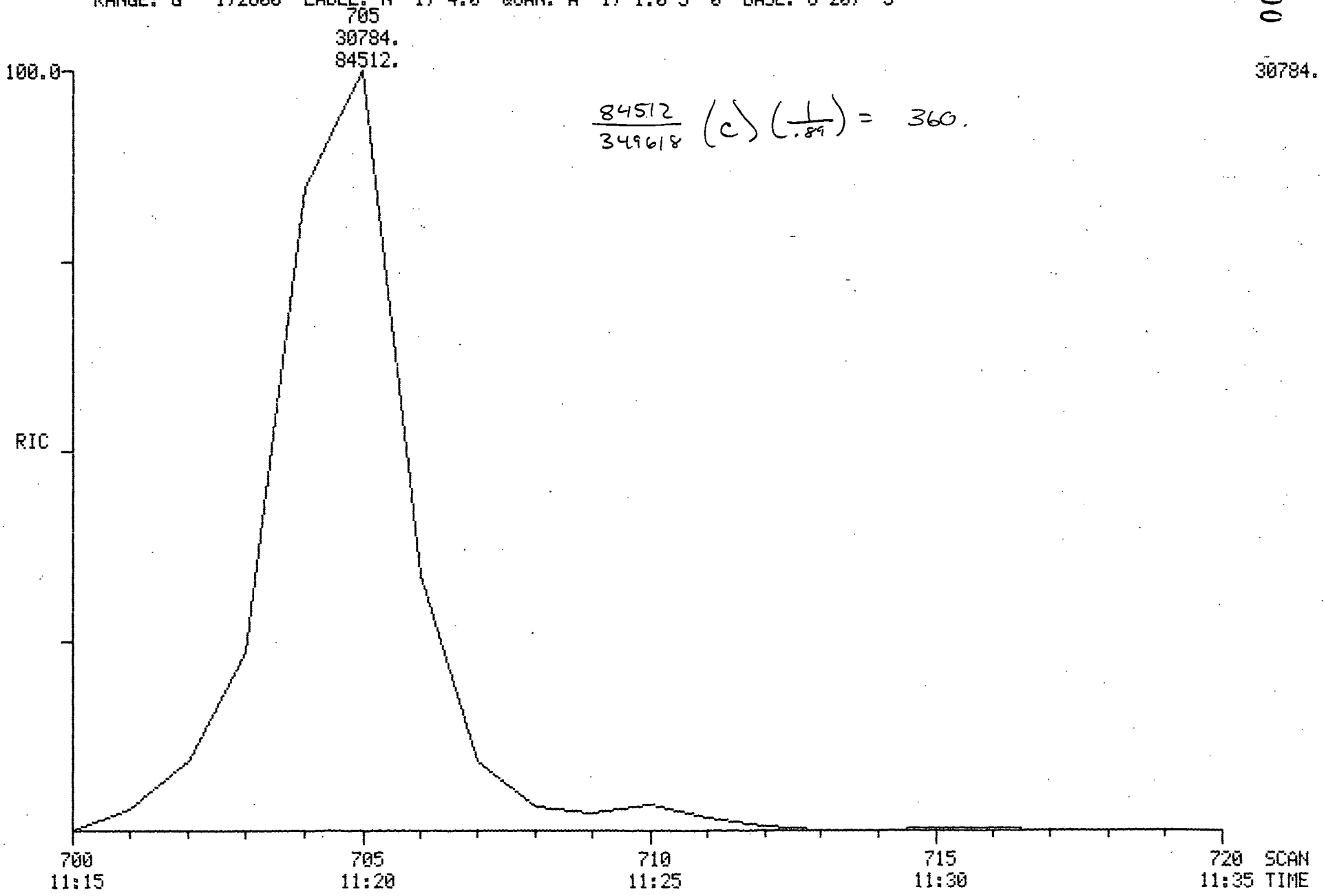
(A.C.P.)



MIDRIC
06/16/91 1:02:00
SAMPLE: S5 91-13589
CONDS.: MS-B CASE: EOH0022
RANGE: G 1,2800 LABEL: N 1, 4.0 QUAN: A 1, 1.0 J 0 BASE: U 20, 3

DATA: AD34513589 #688 SCANS 700 TO 720
CALI: AD34513589 #2

00590



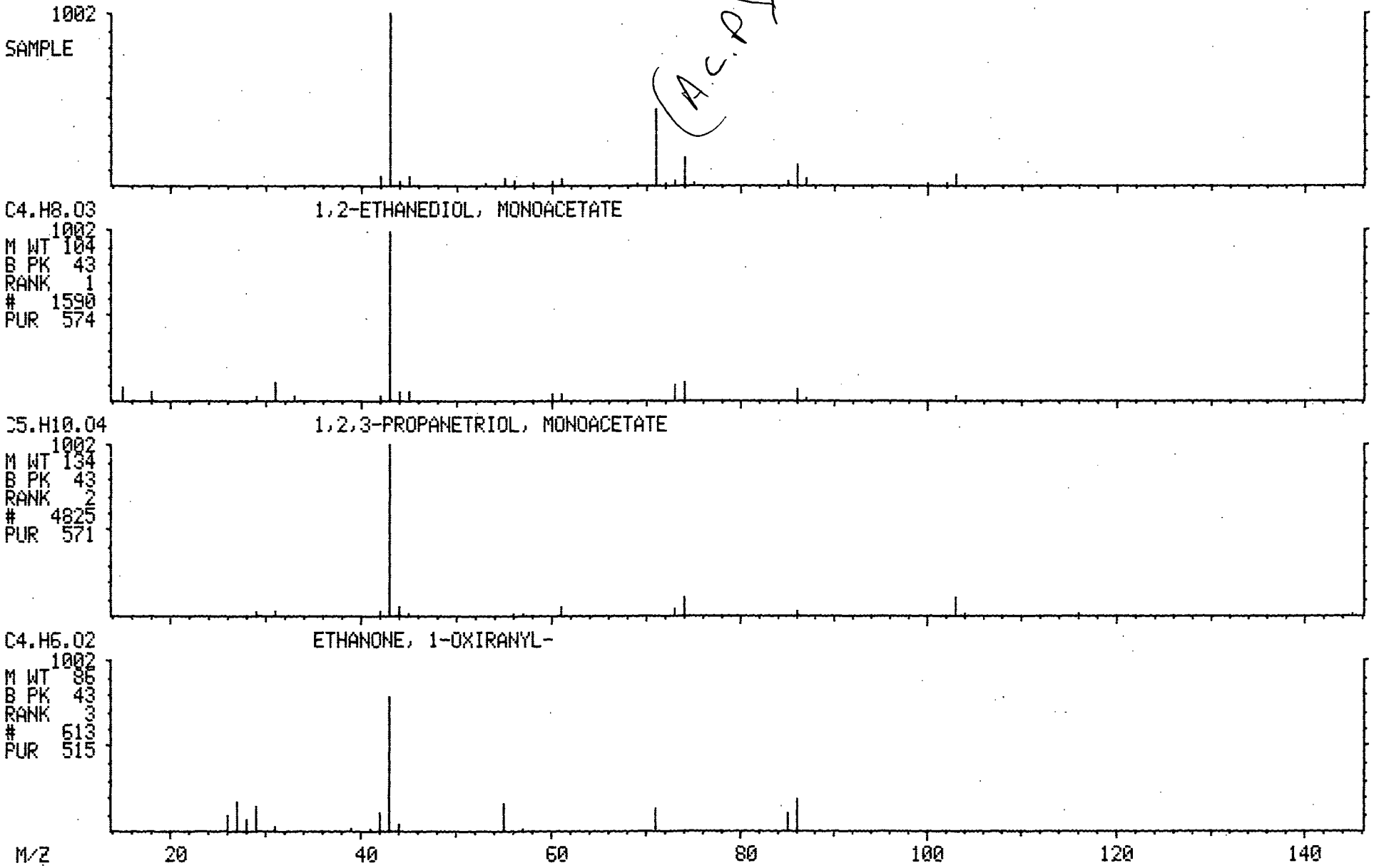
$\frac{84512}{349618}(c)\left(\frac{1}{.89}\right) = 360.$

MID LIBRARY SEARCH
06/16/91 1:02:00 + 11:19
SAMPLE: S5 91-13589
CONDS.: MS-B CASE: EOH0022
ENHANCED (S 15B 2N 0T)

DATA: AD34513589 # 704
CALI: AD34513589 # 2

BASE M/Z: 43
RIC: 24639.

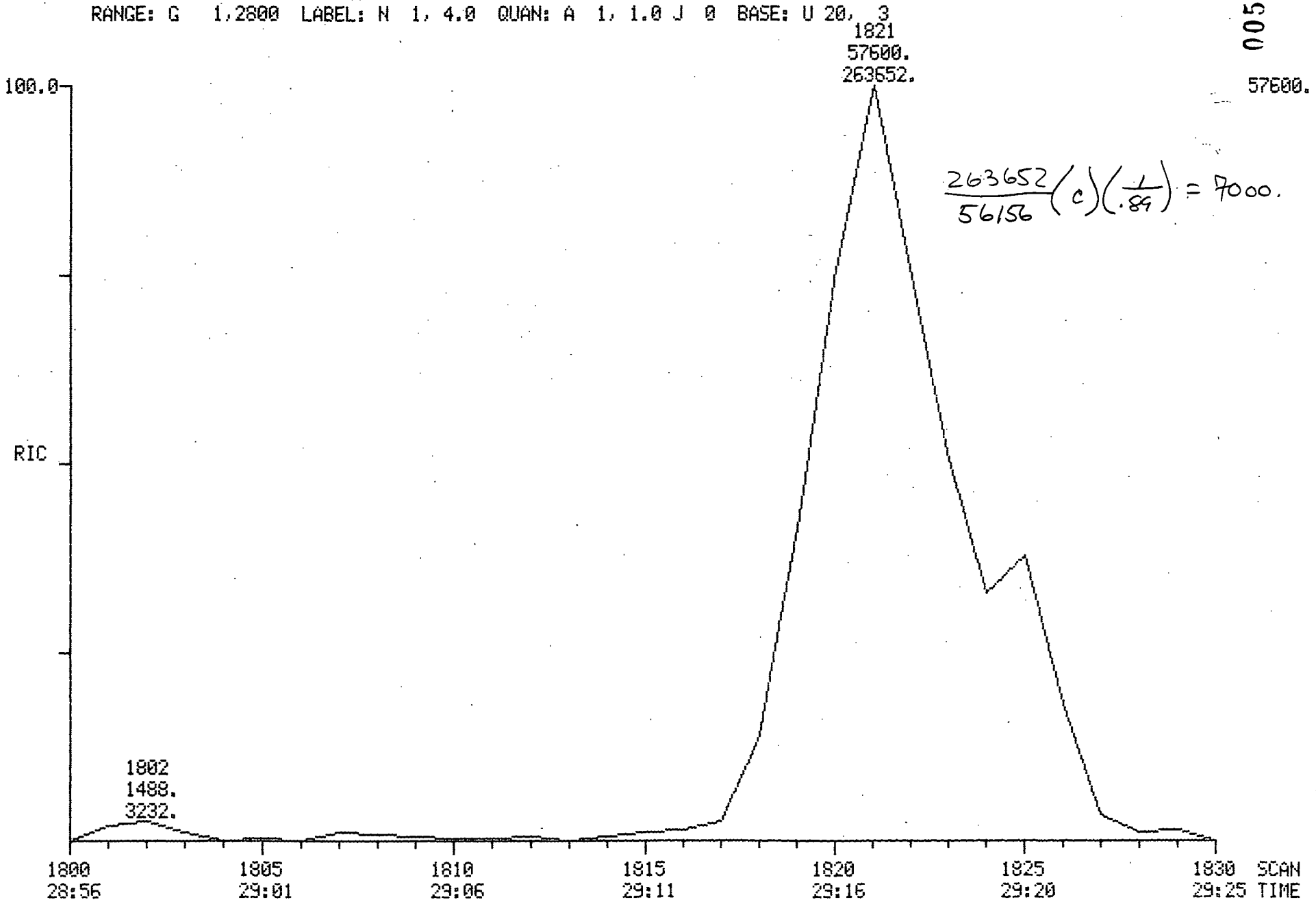
00591



MIDRIC
06/16/91 1:02:00
SAMPLE: S5 91-13589
CONDS.: MS-B CASE: EOH0022
RANGE: G 1,2800 LABEL: N 1, 4.0 QUAN: A 1, 1.0 J 0 BASE: U 20, 3

DATA: AD34513589 #688 SCANS 1800 TO 1830
CALI: AD34513589 #2

00592



$\frac{263652}{56156}(c)\left(\frac{1}{.89}\right) = 7000.$

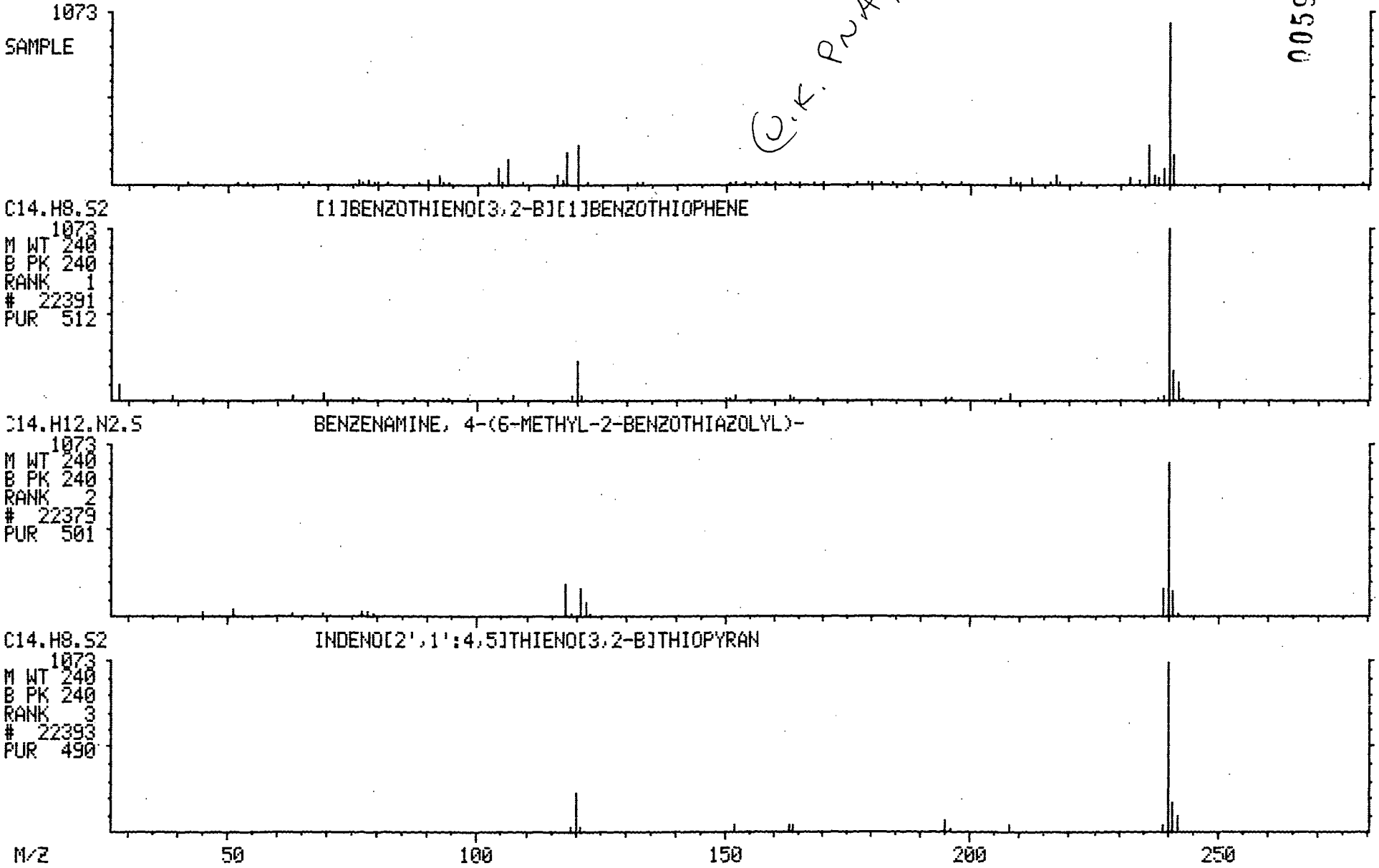
MID LIBRARY SEARCH
06/16/91 1:02:00 + 29:17
SAMPLE: S5 91-13589
CONDS.: MS-B CASE: EOH0022
ENHANCED (S 15B 2N 0T)

DATA: AD34S13589 #1821
CALI: AD34S13589 # 2

BASE M/Z: 240
RIC: 38847.

00593

(U.K. PNA)



1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S6

Lab Name: DATACHEM LABS Contract: 19005

Lab Code: DATAC Case No.: E0H002 SAS No.: _____ SDG No.: 13585

Matrix: (soil/water) SOIL Lab Sample ID: 91-13590

Sample wt/vol: 30 (g/mL) G Lab File ID: AD35513590

Level: (low/med) LOW Date Received: 06/07/91

% Moisture: not dec. _____ dec. 8. Date Extracted: 06/14/91

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 06/16/91

GPC Cleanup: (Y/N) N pH: 5.0 Dilution Factor: 1.0

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

CAS NO.	COMPOUND		Q
108-95-2	Phenol	360.	u
111-44-4	bis(2-Chloroethyl)ether	360.	u
95-57-8	2-Chlorophenol	360.	u
541-73-1	1,3-Dichlorobenzene	360.	u
106-46-7	1,4-Dichlorobenzene	360.	u
100-51-6	Benzyl alcohol	360.	u
95-50-1	1,2-Dichlorobenzene	360.	u
95-48-7	2-Methylphenol	360.	u
108-60-1	bis(2-Chloroisopropyl)ether	360.	u
106-44-5	4-Methylphenol	360.	u
621-64-7	N-Nitroso-di-n-propylamine	360.	u
67-72-1	Hexachloroethane	360.	u
98-95-3	Nitrobenzene	360.	u
78-59-1	Isophorone	360.	u
88-75-5	2-Nitrophenol	360.	u
105-67-9	2,4-Dimethylphenol	360.	u
65-85-0	Benzoic acid	1700.	u
111-91-1	bis(2-Chloroethoxy)methane	360.	u
120-83-2	2,4-Dichlorophenol	360.	u
120-82-1	1,2,4-Trichlorobenzene	360.	u
91-20-3	Naphthalene	360.	u
106-47-8	4-Chloroaniline	360.	u
87-68-3	Hexachlorobutadiene	360.	u
59-50-7	4-Chloro-3-methylphenol	360.	u
91-57-6	2-Methylnaphthalene	360.	u
77-47-4	Hexachlorocyclopentadiene	360.	u
88-06-2	2,4,6-Trichlorophenol	360.	u
95-95-4	2,4,5-Trichlorophenol	1700.	u
91-58-7	2-Chloronaphthalene	360.	u
88-74-4	2-Nitroaniline	1700.	u
131-11-3	Dimethylphthalate	360.	u
208-96-8	Acenaphthylene	360.	u
606-20-2	2,6-Dinitrotoluene	360.	u

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S6

Lab Name: DATACHEM LABS Contract: 19005

Lab Code: DATAC Case No.: ECH0022 SAS No.: _____ SDG No.: 13585

Matrix: (soil/water) SOIL Lab Sample ID: 91-13590

Sample wt/vol: 30 (g/mL) G Lab File ID: AD35S13590

Level: (low/med) LOW Date Received: 06/07/91

% Moisture: not dec. _____ dec. 8. Date Extracted: 06/14/91

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 06/16/91

GPC Cleanup: (Y/N) N pH: 5.0 Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
99-09-2	3-Nitroaniline	1700.	U
83-32-9	Acenaphthene	94.	J
51-28-5	2,4-Dinitrophenol	1700.	U
100-02-7	4-Nitrophenol	1700.	U
132-64-9	Dibenzofuran	60.	J
121-14-2	2,4-Dinitrotoluene	360.	U
84-66-2	Diethylphthalate	29.	J
7005-72-3	4-Chlorophenyl-phenylether	360.	U
86-73-7	Fluorene	120.	J
100-01-6	4-Nitroaniline	1700.	U
534-52-1	4,6-Dinitro-2-methylphenol	1700.	U
86-30-6	N-Nitrosodiphenylamine (1)	360.	U
101-55-3	4-Bromophenyl-phenylether	360.	U
118-74-1	Hexachlorobenzene	360.	U
87-86-5	Pentachlorophenol	1700.	U
85-01-8	Phenanthrene	1000.	
120-12-7	Anthracene	230.	J
84-74-2	Di-n-butylphthalate	360.	U
206-44-0	Fluoranthene	1700.	
129-00-0	Pyrene	1900.	
85-68-7	Butylbenzylphthalate	360.	U
91-94-1	3,3'-Dichlorobenzidine	720.	U
56-55-3	Benzo(a)anthracene	910.	
218-01-9	Chrysene	930.	
117-81-7	bis(2-Ethylhexyl)phthalate	510.	B
117-84-0	Di-n-octylphthalate	360.	U
205-99-2	Benzo(b)fluoranthene	1400.	
207-08-9	Benzo(k)fluoranthene	360.	U
50-32-8	Benzo(a)pyrene	500.	
193-39-5	Indeno(1,2,3-cd)pyrene	360.	U
53-70-3	Dibenz(a,h)anthracene	360.	U
191-24-2	Benzo(g,h,i)perylene	460.	

(1) - Cannot be separated from Diphenylamine

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

S6

Lab Name: DATACHEM LABS Contract: 19005

Lab Code: DATAC Case No.: E040022 SAS No.: _____ SDG No.: 13585

Matrix: (soil/water) SOIL Lab Sample ID: 91-13590

Sample wt/vol: 30 (g/mL) G Lab File ID: AD35913590

Level: (low/med) LOW Date Received: 06/07/91

% Moisture: not dec. _____ dec. 8. Date Extracted: 06/14/91

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 06/16/91

GPC Cleanup: (Y/N) N pH: 5.0 Dilution Factor: 1.0

Number TICs found: 9

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	ALDOL CONDENSATION PRODUCT	6:14	5000.	AJB
2.	ALDOL CONDENSATION PRODUCT	7:02	57000.	AJB
3.	ALDOL CONDENSATION PRODUCT	8:32	1000.	AJ
4.	ALDOL CONDENSATION PRODUCT	8:53	1300.	AJB
5.	ALDOL CONDENSATION PRODUCT	9:09	540.	AJ
6.	ALDOL CONDENSATION PRODUCT	10:03	410.	AJ
7.	ALDOL CONDENSATION PRODUCT	11:19	980.	AJ
8.	SUBSTITUTED BENZENE	23:30	3200.	J
9.	UNKNOWN PNA	26:31	15000.	J
10.				
11.				
12.				
13.				
14.				
15.				
16.				
17.				
18.				
19.				
20.				
21.				
22.				
23.				
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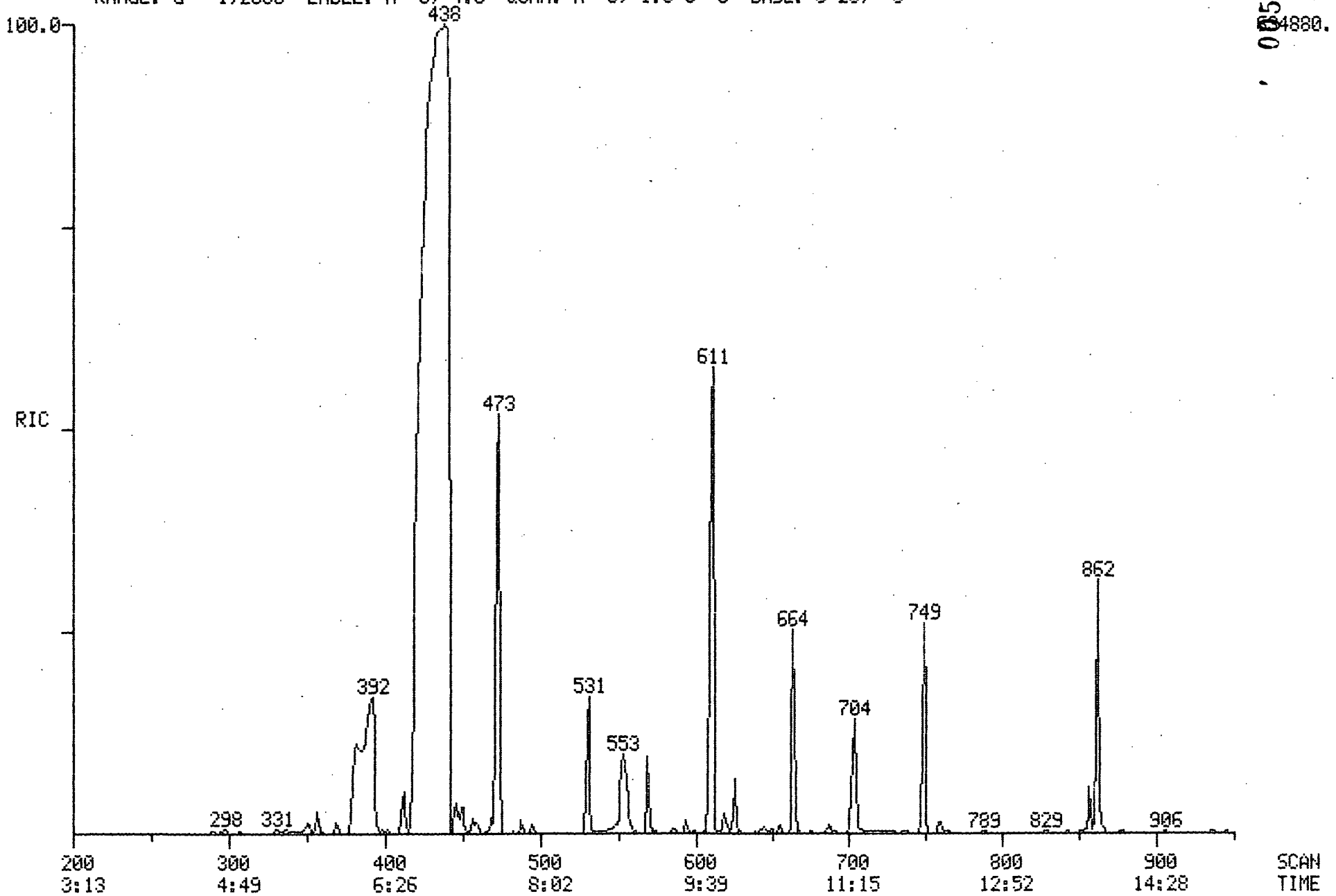
26.				
27.				
28.				
29.				
30.				

MIDRIC
06/16/91 1:56:00
SAMPLE: S6 91-13590
CONDS.: MS-B CASE: EOH0022
RANGE: G 1,2800 LABEL: N 0, 4.0 QUAN: A 0, 1.0 J 0 BASE: U 20, 3

DATA: AD35S13590 #1 SCANS 200 TO 950
CALI: AD35S13590 #2

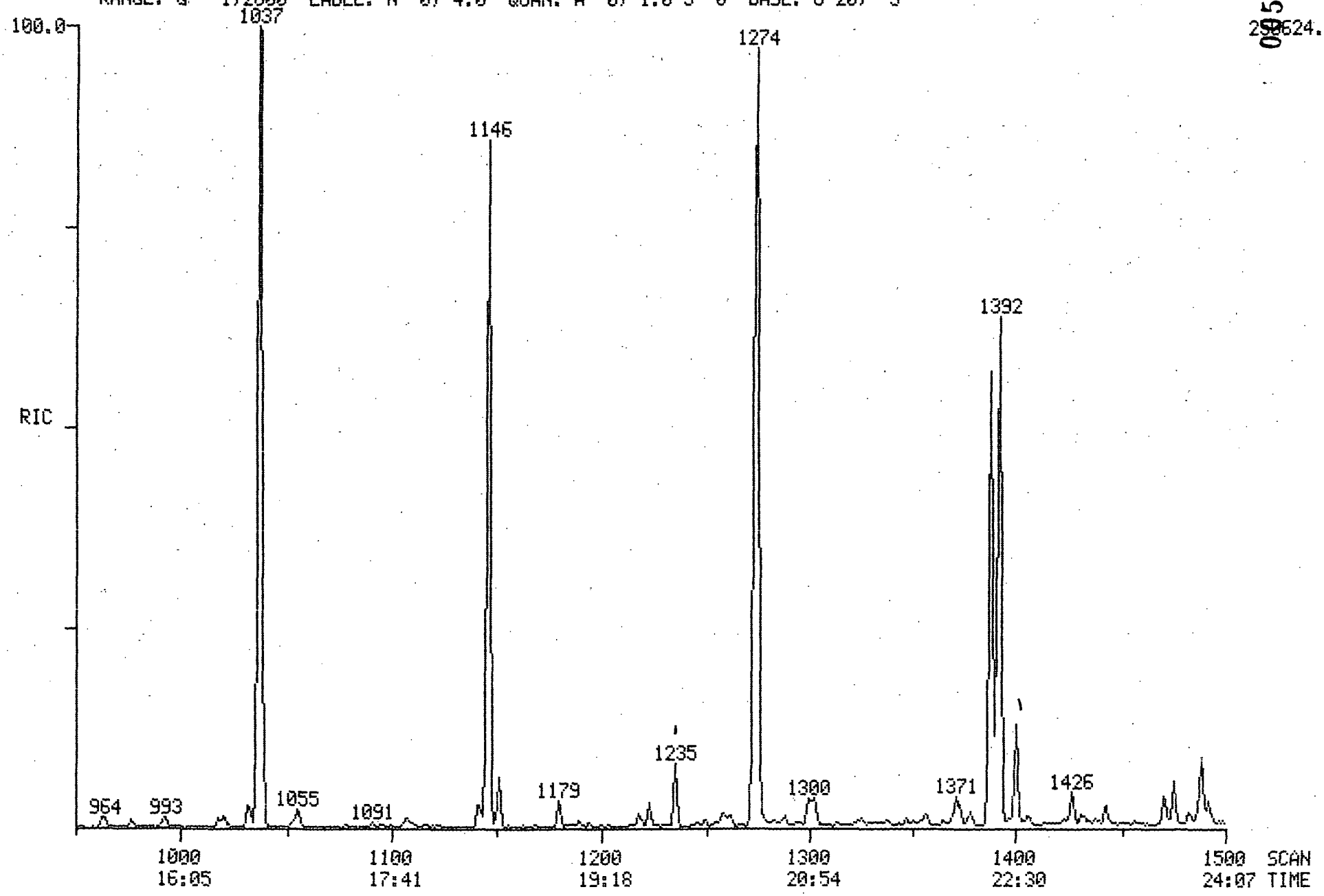
T.J. Masocai
6.17.91



005597

MIDRIC
06/16/91 1:56:00
SAMPLE: S6 91-13590
CONDS.: MS-B CASE: EOH0022
RANGE: G 1,2800 LABEL: N 0, 4.0 QUAN: A 0, 1.0 J 0 BASE: U 20, 3

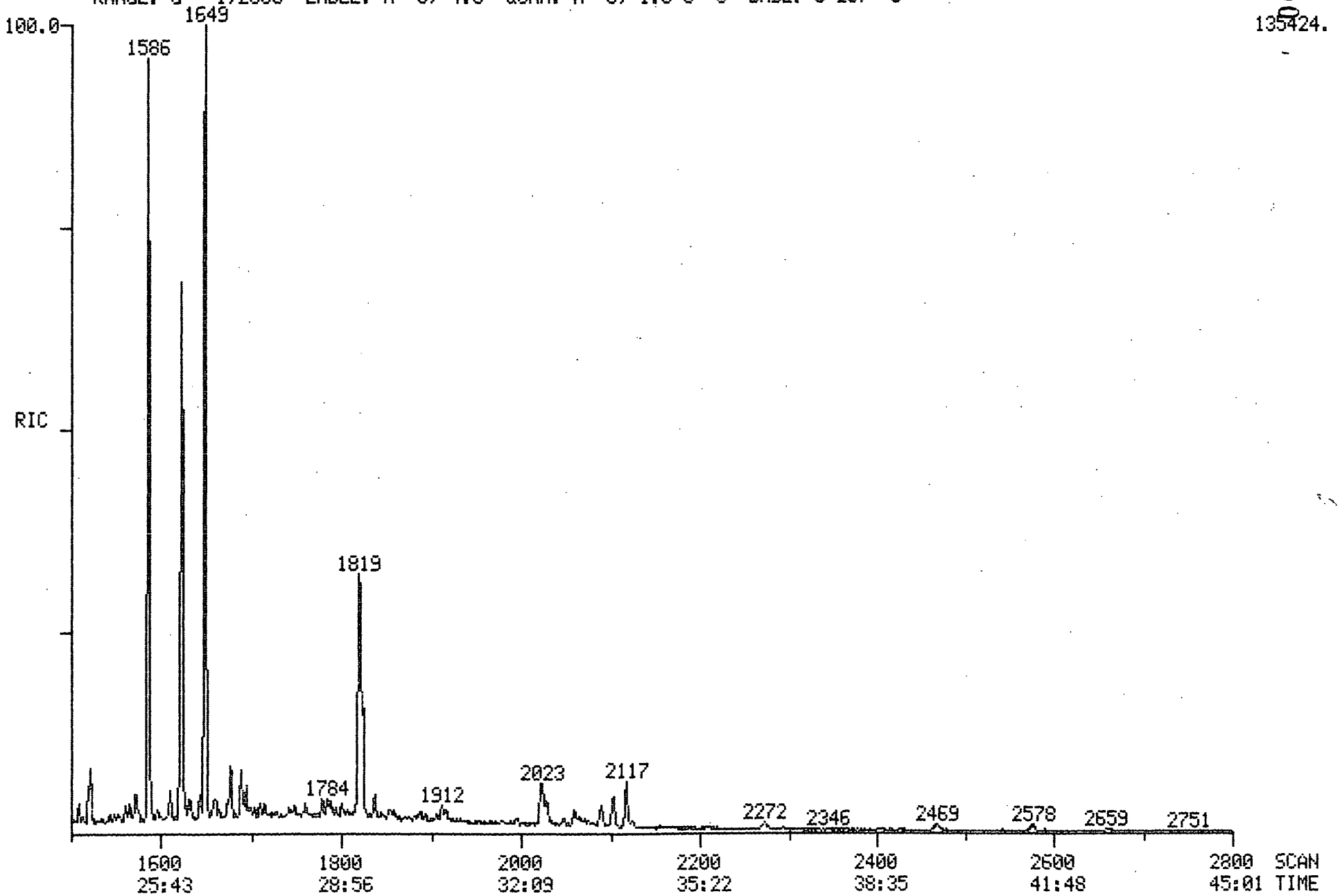
DATA: AD35S13590 #1 SCANS 950 TO 1500
CALI: AD35S13590 #2



00598

MIDRIC
06/16/91 1:56:00
SAMPLE: S6 91-13590
CONDS.: MS-B CASE: EOH0022
RANGE: G 1,2800 LABEL: N 0, 4.0 QUAN: A 0, 1.0 J 0 BASE: U 20, 3

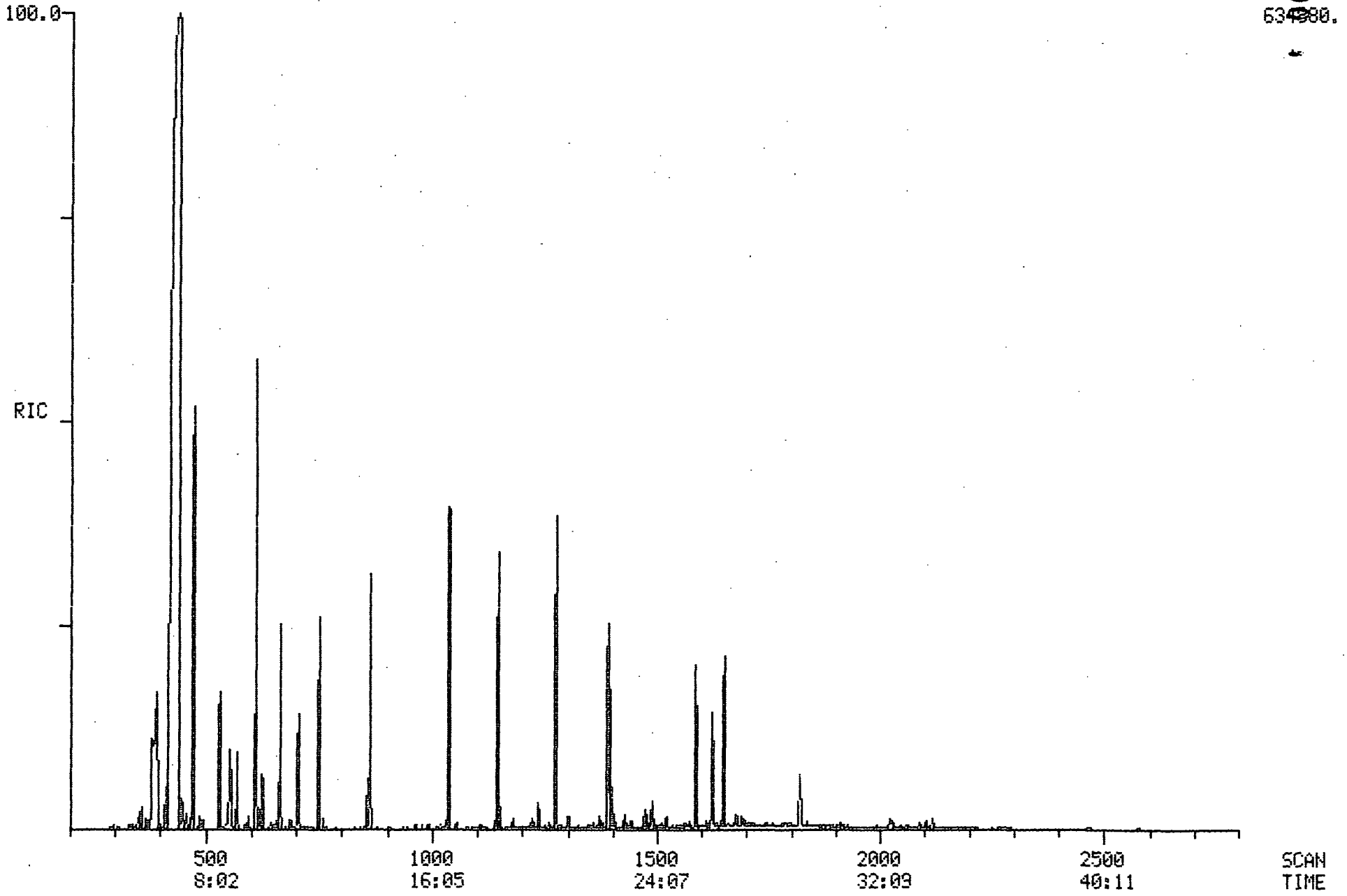
DATA: AD35S13590 #1 SCANS 1500 TO 2800
CALI: AD35S13590 #2



00599

MIDRIC
06/16/91 1:56:00
SAMPLE: S6 91-13590
CONDS.: MS-B CASE: EOH0022
RANGE: G 1,2800 LABEL: N 0, 4.0 QUAN: A 0, 1.0 J 0 BASE: U 20, 3

DATA: AD35513590 #1 SCANS 200 TO 2800
CALI: AD35513590 #2



PROCEDURE: TCA DIAGNOSTIC REPORT 6/17/91 2:43:12
DATA FILE: AD35S13590
REFERENCE: 82711
NAME LIST: 8270 INITIALIZATION OPTION: 4 PROCESSING OPTION: 3
REPORT: DSISTD

< ---- STANDARDS ----- ><				--- PLUS UNKNOWNS --- ><				- LIST NAMES - >
PROC	USED	POSS	RMS	PROC	USED	POSS	RMS	STANDARD/UNKNOWN
6	5	1	48	12	12	1	136	DSISTD/DSSURR
6	6	1	42	21	6	1	42	DSISTD/82701
6	6	1	42	21	7	1	46	DSISTD/82702
6	6	1	42	21	7	1	49	DSISTD/82703
6	6	1	42	21	9	1	74	DSISTD/82704
6	6	1	42	21	10	4	49	DSISTD/82705
6	6	1	42	21	12	8	68	DSISTD/82706

102 COMPOUNDS PROCESSED, 26 FOUND

< COMPOUND ><			---------- SEARCH ---------- >< SAT >< ------ CHRO ------											
NO	LIB	ENTRY	REF	PRED	SEL	DELTA	PEAKS	FIT	PEAKS	M/Z	TOP	DELTA	PEAKS
1	DS	1	-683	664	664	.	1	978	.	152	664	.	1
2	DS	2	-882	863	862	-1	1	900	.	136	862	.	1
3	DS	3	-1165	1146	1146	.	1	948	.	164	1146	.	1
4	DS	4	-1407	1388	1388	.	1	982	.	188	1388	.	1
5	DS	5	-1839	1820	.	.	.	.	.	240	1819	.	1
6	DS	6	-2136	2117	2117	.	1	900	.	264	2117	.	1
7	DS	7	-488	469	473	4	1	987	.	112	473	.	1
8	DS	8	-630	611	611	.	1	958	-1	99	610	-1	1
9	DS	9	-769	750	749	-1	1	979	.	82	749	.	1
10	DS	10	-1057	1038	1037	-1	1	991	.	172	1037	.	1
11	DS	11	-1294	1275	1274	-1	1	970	.	330	1274	.	1
12	DS	12	-1668	1649	1649	.	1	993	.	244	1649	.	1
13	DS	13	-263	244	.	.	.	.	.	42	.	.	.
14	DS	14	-393	374	.	.	.	.	.	93	.	.	.
15	DS	15	-462	443	.	.	.	.	.	80	.	.	.
16	DS	16	-569	550	.	.	.	.	.	79	.	.	.
17	DS	17	-632	613	.	.	.	.	.	94	612	.	1
18	DS	18	-634	615	.	.	.	.	.	93	.	.	.
19	DS	19	-646	627	.	.	.	.	.	93	.	.	.
20	DS	20	-651	632	.	.	.	.	.	128	632	.	1
21	DS	21	-674	655	.	.	.	.	.	146	.	.	.
22	DS	22	-686	667	.	.	.	.	.	146	667	.	1
23	DS	23	-706	687	.	.	.	.	.	108	.	.	.
24	DS	24	-708	689	.	.	.	.	.	146	.	.	.
25	DS	25	-723	704	.	.	.	.	.	108	.	.	.
26	DS	26	-727	708	.	.	.	.	.	45	.	.	.
27	DS	27	-723	704	.	.	.	.	.	108	.	.	.
28	DS	28	-749	729	.	.	.	.	.	70	729	.	1
29	DS	29	-761	741	.	.	.	.	.	117	.	.	.
30	DS	30	-747	727	.	.	.	.	.	105	726	.	1
31	DS	31	-773	753	.	.	.	.	.	77	.	.	.
32	DS	32	-797	777	.	.	.	.	.	42	.	.	.
33	DS	33	-811	791	.	.	.	.	.	82	.	.	.
34	DS	34	-822	803	.	.	.	.	.	139	.	.	.
35	DS	35	-830	811	.	.	.	.	.	122	.	.	.
36	DS	36	-846	827	.	.	.	.	.	93	.	.	.
37	DS	39	-860	841	.	.	.	.	.	162	.	.	.
38	DS	40	-873	854	.	.	.	.	.	180	.	.	.
39	DS	41	-885	866	865	-1	1	960	.	128	865	.	1
40	DS	42	-895	876	.	.	.	.	.	127	.	.	.
41	DS	43	-896	877	.	.	.	.	.	162	.	.	.
42	DS	44	-906	887	.	.	.	.	.	225	.	.	.
43	DS	45	-951	932						84			

00601

44	DS	46	-973	954	.	.	.	.	.	107	.	.	.
45	DS	47	-997	978	.	.	.	.	.	142	977	.	1
46	DS	48	-1024	1005	.	.	.	.	.	216	.	.	.
47	DS	49	-1022	1003	.	.	.	.	.	237	.	.	.
48	DS	50	-1042	1023	.	.	.	.	.	196	.	.	.
49	DS	51	-1048	1029	.	.	.	.	.	196	.	.	.
50	DS	52	-1076	1057	.	.	.	.	.	162	.	.	.
51	DS	53	-1076	1057	.	.	.	.	.	162	.	.	.
52	DS	54	-1093	1074	.	.	.	.	.	65	.	.	.
53	DS	55	-1124	1105	.	.	.	.	.	163	.	.	.
54	DS	56	-1133	1114	.	.	.	.	.	165	.	.	.
55	DS	57	-1142	1123	.	.	.	.	.	152	1123	.	1
56	DS	58	-1160	1141	.	.	.	.	.	138	.	.	.
57	DS	59	-1171	1152	1151	-1	1	965	.	154	1151	.	1
58	DS	60	-1177	1157	.	.	.	.	.	184	.	.	.
59	DS	61	-1187	1167	.	.	.	.	.	139	.	.	.
60	DS	62	-1199	1179	1179	.	1	942	.	168	1179	.	1
61	DS	63	-1199	1179	.	.	.	.	.	165	.	.	.
62	DS	64	-1192	1172	.	.	.	.	.	250	.	.	.
63	DS	65	-1212	1192	.	.	.	.	.	143	.	.	.
64	DS	66	-1219	1199	.	.	.	.	.	232	.	.	.
65	DS	67	-1225	1205	.	.	.	.	.	143	.	.	.
66	DS	68	-1239	1219	1218	-1	1	913	.	149	1218	.	1
67	DS	69	-1256	1236	.	.	.	.	.	204	.	.	.
68	DS	70	-1255	1235	1235	.	1	953	.	166	1235	.	1
69	DS	71	-1259	1239	.	.	.	.	.	138	.	.	.
70	DS	72	-1264	1244	.	.	.	.	.	198	.	.	.
71	DS	73	-1276	1256	.	.	.	.	.	169	1256	.	1
72	DS	74	-1282	1262	.	.	.	.	.	77	1262	.	1
73	DS	75	-1335	1316	.	.	.	.	.	248	.	.	.
74	DS	76	-1327	1308	.	.	.	.	.	108	.	.	.
75	DS	78	-1344	1325	.	.	.	.	.	284	.	.	.
76	DS	79	-1378	1359	.	.	.	.	.	169	.	.	.
77	DS	81	-1376	1357	.	.	.	.	.	266	.	.	.
78	DS	83	-1388	1369	.	.	.	.	.	173	.	.	.
79	DS	84	-1379	1360	.	.	.	.	.	295	.	.	.
80	DS	85	-1412	1393	1392	-1	2	975	.	178	1392	.	1
81	DS	86	-1420	1401	1400	-1	2	904	.	178	1400	.	1
82	DS	89	-1504	1485	.	.	.	.	.	149	1485	.	1
83	DS	92	-1605	1586	1586	.	1	979	.	202	1586	.	1
84	DS	93	-1642	1623	1623	.	1	979	.	202	1623	.	1
85	DS	96	-1627	1608	.	.	.	.	.	184	1610	.	1
86	DS	98	-1691	1672	.	.	.	.	.	120	.	.	.
87	DS	103	-1748	1729	.	.	.	.	.	149	1729	.	1
88	DS	108	-1833	1814	.	.	.	.	.	252	.	.	.
89	DS	109	-1837	1818	1818	.	2	985	.	228	1818	.	1
90	DS	110	-1843	1824	1824	.	2	971	.	228	1824	.	1
91	DS	111	-1840	1821	1821	.	1	972	.	149	1821	.	1
92	DS	112	-1955	1936	.	.	.	.	.	149	1936	.	1
93	DS	113	-2041	2022	.	.	.	.	.	256	.	.	.
94	DS	114	-2042	2023	2022	-1	1	939	.	252	2022	.	1
95	DS	115	-2049	2030	2028	-2	2	944	.	252	.	.	.
96	DS	116	-2122	2103	2103	.	1	927	.	252	2103	.	1
97	DS	117	-2221	2202	.	.	.	.	.	268	.	.	.
98	DS	118	-2499	2480	.	.	.	.	.	276	.	.	.
99	DS	119	-2500	2481	.	.	.	.	.	278	.	.	.
100	DS	120	-2598	2579	.	.	.	.	.	276	2577	.	1
101	DS	128	-2421	2402	.	.	.	.	.	279	.	.	.
102	DS	37	-847	828	.	.	.	.	.	122	829	.	1

Quantitation Report File: AD35S13590

Data: AD35S13590.TI
06/16/91 1:56:00
Sample: S6 91-13590
Conds.: MS-B CASE: EOH0022
Submitted by: Analyst: JOHNSON

AMOUNT=AREA * REF AMNT/(REF AREA * RESP FACT)
Resp. fac. from Library Entry

No	Name
1	ISTD D4-1,4-DICHLOROBENZENE
2	ISTD D-8-NAPHTHALENE
3	ISTD ACENAPHTHENE-D10
4	INTERNAL STANDARD D-10-PHENANTHRENE
5	INTERNAL STANDARD D-12-CHRYSENE
6	ISTD D-12 PERYLENE
7	SURROGATE 2-FLUOROPHENOL
8	SURROGATE D-6-PHENOL
9	SURROGATE D5-NITROBENZENE
10	SURROGATE 2-FLUOROBIPHENYL
11	SURROGATE STANDARD 2,4,6-TRIBROMOPHENOL
12	SURROGATE STANDARD P-TERPHENYL D-14
13	N-NITROSODIMETHYLAMINE
14	2-PICOLINE
15	METHYL METHANESULFONATE
16	ETHYL METHANESULFONATE
17	C315 PHENOL
18	ANILINE
19	BIS(2-CHLOROETHYL)ETHER
20	2-CHLOROPHENOL
21	1,3-DICHLOROBENZENE
22	1,4-DICHLOROBENZENE
23	BENZYL ALCOHOL
24	1,2-DICHLOROBENZENE
25	2-METHYLPHENOL
26	BIS(2-CHLOROISOPROPYL)ETHER
27	4-METHYLPHENOL
28	N-NITROSO-DI-N-PROPYLAMINE
29	HEXACHLOROETHANE
30	ACETOPHENONE
31	NITROBENZENE
32	N-NITROSOPIPERIDINE
33	ISOPHORONE
34	2-NITROPHENOL
35	2,4-DIMETHYLPHENOL
36	BIS(2-CHLOROETHOXY)METHANE
37	2,4-DICHLOROPHENOL
38	1,2,4-TRICHLOROBENZENE
39	NAPHTHALENE
40	4-CHLOROANILINE
41	2,6-DICHLOROPHENOL
42	HEXACHLOROBUTADIENE
43	N-NITROSO-DI-N-BUTYLAMINE
44	4-CHLORO-3-METHYLPHENOL
45	2-METHYL NAPHTHALENE
46	1,2,4,5-TETRACHLOROBENZENE
47	HEXACHLOROCYCLOPENTADIENE
48	2,4,6-TRICHLOROPHENOL
49	2,4,5-TRICHLOROPHENOL
50	2-CHLORONAPHTHALENE

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount	%Tot
1	152	664	10:40	1	1.000	A BB	43848.	40.000 UG	0.97
2	136	862	13:51	2	1.000	A BB	173954.	40.000 UG	0.97
3	164	1146	18:25	3	1.000	A BB	90473.	40.000 UG	0.97
4	188	1388	22:19	4	1.000	A BV	105707.	40.000 UG	0.97
5	240	1819	29:15	5	1.000	A BB	23857.	40.000 UG	0.97
6	264	2117	34:02	6	1.000	A BB	11983.	40.000 UG	0.97
7	112	473	7:36	1	0.712	A BB	189094.	106.487 UG	2.60
8	99	610	9:48	1	0.919	A BV	291239.	108.060 UG	2.63
9	82	749	12:02	2	0.869	A BB	123353.	49.202 UG	1.20
10	172	1037	16:40	3	0.905	A BB	171715.	61.367 UG	1.50
11	330	1274	20:29	3	1.112	A BB	42234.	150.433 UG	3.67
12	244	1649	26:31	5	0.907	A BB	96979.	79.747 UG	1.94
13	NOT FOUND								
14	NOT FOUND								
15	NOT FOUND								
16	NOT FOUND								
~~17~~	~~94~~	~~612~~	~~9:50~~	~~1~~	~~0.922~~	~~A BB~~	~~510.~~	~~0.177 UG~~	~~0.00~~ MJ
18	NOT FOUND								
19	NOT FOUND								
~~20~~	~~128~~	~~632~~	~~10:10~~	~~1~~	~~0.952~~	~~A BB~~	~~219.~~	~~0.115 UG~~	~~0.00~~ MJ
21	NOT FOUND								
~~22~~	~~146~~	~~667~~	~~10:43~~	~~1~~	~~1.005~~	~~A BB~~	~~129.~~	~~0.068 UG~~	~~0.00~~ MJ
23	NOT FOUND								
24	NOT FOUND								
25	NOT FOUND								
26	NOT FOUND								
27	NOT FOUND								
~~28~~	~~70~~	~~729~~	~~11:43~~	~~1~~	~~1.078~~	~~A BB~~	~~157.~~	~~0.069 UG~~	~~0.00~~ MJ
29	NOT FOUND								
~~30~~	~~105~~	~~726~~	~~11:40~~	~~2~~	~~0.842~~	~~A BB~~	~~123.~~	~~0.040 UG~~	~~0.00~~ MJ
31	NOT FOUND								
32	NOT FOUND								
33	NOT FOUND								
34	NOT FOUND								
35	NOT FOUND								
36	NOT FOUND								
37	NOT FOUND								
38	NOT FOUND								
~~39~~	~~128~~	~~865~~	~~13:54~~	~~2~~	~~1.003~~	~~A BB~~	~~2707.~~	~~0.528 UG~~	~~0.01~~ MJ
40	NOT FOUND								
41	NOT FOUND								
42	NOT FOUND								
43	NOT FOUND								
44	NOT FOUND								
~~45~~	~~142~~	~~977~~	~~15:42~~	~~2~~	~~1.133~~	~~A BB~~	~~1479.~~	~~0.457 UG~~	~~0.01~~ MJ
46	NOT FOUND								
47	NOT FOUND								
48	NOT FOUND								
49	NOT FOUND								
50	NOT FOUND								

No	Ret(L)	Ratio	RRT(L)	Ratio	Amnt	Amnt(L)	R.Fac	R.Fac(L)	Ratio
1	10:59	0.97	1.000	1.00	40.00	40.00	1.000	1.000	1.00
2	14:11	0.98	1.000	1.00	40.00	40.00	1.000	1.000	1.00
3	18:44	0.98	1.000	1.00	40.00	40.00	1.000	1.000	1.00
4	22:37	0.99	1.000	1.00	40.00	40.00	1.000	1.000	1.00
5	29:34	0.99	1.000	1.00	40.00	40.00	1.000	1.000	1.00
6	34:20	0.99	1.000	1.00	40.00	40.00	1.000	1.000	1.00
7	7:51	0.97	0.714	1.00	106.49	50.00	3.450	1.620	2.13
8	10:08	0.97	0.922	1.00	108.06	50.00	5.314	2.459	2.16
9	12:22	0.97	0.872	1.00	49.20	50.00	0.567	0.576	0.98
10	17:00	0.98	0.907	1.00	61.37	50.00	1.518	1.237	1.23
11	20:48	0.98	1.111	1.00	150.43	50.00	0.373	0.124	3.01
12	26:49	0.99	0.907	1.00	79.75	50.00	3.252	2.039	1.59
13	4:14		0.385						

14	6:19		0.575						
15	7:26		0.676						
16	9:09		0.833						
17	10:10	0.97	0.925	1.00	0.18	50.00	0.009	2.623	0.00
18	10:12		0.928						
19	10:23		0.946						
20	10:28	0.97	0.953	1.00	0.12	50.00	0.004	1.732	0.00
21	10:50		0.987						
22	11:02	0.97	1.004	1.00	0.07	50.00	0.002	1.740	0.00
23	11:21		1.034						
24	11:23		1.037						
25	11:37		1.059						
26	11:41		1.064						
27	11:37		1.059						
28	12:02	0.97	1.097	1.00	0.07	50.00	0.003	2.065	0.00
29	12:14		1.114						
30	12:01	0.97	0.847	0.99	0.04	50.00	0.001	0.706	0.00
31	12:26		0.876						
32	12:49		0.904						
33	13:02		0.920						
34	13:13		0.932						
35	13:21		0.941						
36	13:36		0.959						
37	13:50		0.975						
38	14:02		0.990						
39	14:14	0.98	1.003	1.00	0.53	50.00	0.012	1.179	0.01
40	14:23		1.015						
41	14:24		1.016						
42	14:34		1.027						
43	15:17		1.078						
44	15:39		1.103						
45	16:02	0.98	1.130	1.00	0.46	50.00	0.007	0.742	0.01
46	16:28		0.879						
47	16:26		0.877						
48	16:45		0.894						
49	16:51		0.900						
50	17:18		0.924						

Quantitation Report File: AD35S13590

Data: AD35S13590.TI
06/16/91 1:56:00
Sample: S6 91-13590
Conds.: MS-B CASE: EOH0022
Submitted by: Analyst: JOHNSON

AMOUNT=AREA * REF AMNT/(REF AREA * RESP FACT)
Resp. fac. from Library Entry

No	Name
51	1-CHLORONAPHTHALENE
52	2-NITROANILINE
53	DIMETHYL PHTHALATE
54	2,6-DINITROTOLUENE
55	ACENAPHTHYLENE
56	3-NITROANILINE
57	ACENAPHTHENE
58	2,4-DINITROPHENOL
59	4-NITROPHENOL
60	DIBENZOFURAN
61	2,4-DINITROTOLUENE
62	PENTACHLOROBENZENE
63	1-NAPHTHYLAMINE
64	2,3,4,6-TETRACHLOROPHENOL
65	2-NAPHTHYLAMINE
66	DIETHYL PHTHALATE
67	4-CHLOROPHENYL PHENYL ETHER
68	FLUORENE
69	4-NITROANILINE
70	4,6-DINITRO-2-METHYLPHENOL
71	N-NITROSODIPHENYLAMINE
72	1,2-DIPHENYLHYDRAZINE
73	4-BROMOPHENYL PHENYL ETHER
74	PHENACETIN
75	HEXACHLOROBENZENE
76	4-AMINOBIPHENYL
77	PENTACHLOROPHENOL
78	PRONAMIDE (PROPYZAMIDE)
79	PENTACHLORONITROBENZENE
80	PHENANTHRENE
81	ANTHRACENE
82	DI-N-BUTYL PHTHALATE
83	FLUORANTHENE
84	PYRENE
85	BENZIDINE
86	P-DIMETHYLAMINOAZOBENZENE
87	BUTYL BENZYL PHTHALATE
88	3,3'-DICHLOROBENZIDINE
89	BENZO(A)ANTHRACENE
90	CHRYSENE
91	BIS(2-ETHYLHEXYL)PHTHALATE
92	DI-N-OCTYL PHTHALATE
93	7,12-DIMETHYLBENZ(A)ANTHRACENE
94	BENZO(B)FLUORANTHENE
95	BENZO(K)FLUORANTHENE
96	BENZO(A)PYRENE
97	3-METHYLCHOLANTHRENE
98	INDENO (1,2,3-CD)PYRENE
99	DIBENZ(A,H)ANTHRACENE
100	BENZO (G,H,I)PERYLENE

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount	%Tot
51	NOT FOUND								
52	NOT FOUND								
53	NOT FOUND								
54	NOT FOUND								
~~55~~	~~152~~	~~1123~~	~~18:03~~	~~3~~	~~0.980~~	~~A BB~~	~~420.~~	~~0.101 UG~~	~~0.00~~
56	NOT FOUND								
57	154	1151	18:30	3	1.004	A BB	6935.	2.584 UG	0.06
58	NOT FOUND								
59	NOT FOUND								
60	168	1179	18:57	3	1.029	A BB	6288.	1.647 UG	0.04
61	NOT FOUND								
62	NOT FOUND								
63	NOT FOUND								
64	NOT FOUND								
65	NOT FOUND								
66	149	1218	19:35	3	1.063	A BB	2650.	0.810 UG	0.02
67	NOT FOUND								
68	166	1235	19:51	3	1.078	A BB	10065.	3.436 UG	0.08
69	NOT FOUND								
70	NOT FOUND								
~~71~~	~~169~~	~~1256~~	~~20:12~~	~~4~~	~~0.905~~	~~A BB~~	~~235.~~	~~0.048 UG~~	~~0.00~~
~~72~~	~~77~~	~~1262~~	~~20:17~~	~~4~~	~~0.909~~	~~A BB~~	~~329.~~	~~0.051 UG~~	~~0.00~~
73	NOT FOUND								
74	NOT FOUND								
75	NOT FOUND								
76	NOT FOUND								
77	NOT FOUND								
78	NOT FOUND								
79	NOT FOUND								
80	178	1392	22:23	4	1.003	A BV	119250.	28.525 UG	0.70
81	178	1400	22:30	4	1.009	A VV	26187.	6.264 UG	0.15
~~82~~	~~149~~	~~1485~~	~~23:52~~	~~4~~	~~1.070~~	~~A BB~~	~~902.~~	~~0.218 UG~~	~~0.01~~
83	202	1586	25:30	4	1.143	A BV	105338.	47.453 UG	1.16
84	202	1623	26:06	5	0.892	A BB	77861.	52.939 UG	1.29
~~85~~	~~184~~	~~1610~~	~~25:53~~	~~5~~	~~0.885~~	~~A BB~~	~~134.~~	~~0.322 UG~~	~~0.01~~
86	NOT FOUND								
~~87~~	~~149~~	~~1729~~	~~27:48~~	~~5~~	~~0.951~~	~~A BB~~	~~520.~~	~~1.251 UG~~	~~0.03~~
88	NOT FOUND								
89	228	1818	29:14	5	0.999	A BV	16918.	24.986 UG	0.61
90	228	1824	29:19	5	1.003	A VB	17649.	25.534 UG	0.62
91	149	1821	29:17	5	1.001	A BB	8390.	13.986 UG	0.34
~~92~~	~~149~~	~~1936~~	~~31:07~~	~~6~~	~~0.915~~	~~A BB~~	~~352.~~	~~0.731 UG~~	~~0.02~~
93	NOT FOUND								
94	252	2022	32:30	6	0.955	A BB	17178.	37.976 UG	0.93
95	NOT FOUND								
96	252	2103	33:49	6	0.993	A BB	8083.	23.665 UG	0.58
97	NOT FOUND								
98	NOT FOUND								
99	NOT FOUND								
100	276	2577	41:26	6	1.217	A BB	3176.	12.680 UG	0.31

No	Ret(L)	Ratio	RRT(L)	Ratio	Amnt	Amnt(L)	R.Fac	R.Fac(L)	Ratio
51	17:18		0.924						
52	17:34		0.938						
53	18:04		0.965						
54	18:13		0.973						
55	18:22	0.98	0.980	1.00	0.10	50.00	0.004	1.838	0.00
56	18:39		0.996						
57	18:50	0.98	1.005	1.00	2.58	50.00	0.061	1.187	0.05
58	18:55		1.010						
59	19:05		1.019						
60	19:17	0.98	1.029	1.00	1.65	50.00	0.056	1.688	0.03
61	19:17		1.029						
62	19:10		1.023						
63	19:29		1.040						

64	19:36		1.046						
65	19:42		1.052						
66	19:55	0.98	1.064	1.00	0.81	50.00	0.023	1.446	0.02
67	20:12		1.078						
68	20:11	0.98	1.077	1.00	3.44	50.00	0.089	1.295	0.07
69	20:14		1.081						
70	20:19		0.898						
71	20:31	0.98	0.907	1.00	0.05	50.00	0.002	1.871	0.00
72	20:37	0.98	0.911	1.00	0.05	50.00	0.002	2.426	0.00
73	21:28		0.949						
74	21:20		0.943						
75	21:36		0.955						
76	22:09		0.979						
77	22:07		0.978						
78	22:19		0.986						
79	22:10		0.980						
80	22:42	0.99	1.004	1.00	28.52	50.00	0.902	1.582	0.57
81	22:50	0.99	1.009	1.00	6.26	50.00	0.198	1.582	0.13
82	24:11	0.99	1.069	1.00	0.22	50.00	0.007	1.568	0.00
83	25:48	0.99	1.141	1.00	47.45	50.00	0.797	0.840	0.95
84	26:24	0.99	0.893	1.00	52.94	50.00	2.611	2.466	1.06
85	26:09	0.99	0.885	1.00	0.32	50.00	0.004	0.697	0.01
86	27:11		0.920						
87	28:06	0.99	0.951	1.00	1.25	50.00	0.017	0.697	0.03
88	29:28		0.997						
89	29:32	0.99	0.999	1.00	24.99	50.00	0.567	1.135	0.50
90	29:38	0.99	1.002	1.00	25.53	50.00	0.592	1.159	0.51
91	29:35	0.99	1.001	1.00	13.99	50.00	0.281	1.006	0.28
92	31:26	0.99	0.915	1.00	0.73	50.00	0.023	1.608	0.01
93	32:49		0.956						
94	32:50	0.99	0.956	1.00	37.98	50.00	1.147	1.510	0.76
95	32:56		0.959						
96	34:07	0.99	0.993	1.00	23.67	50.00	0.540	1.140	0.47
97	35:42		1.040						
98	40:11		1.170						
99	40:11		1.170						
100	41:46	0.99	1.216	1.00	12.68	50.00	0.212	0.836	0.25

Quantitation Report File: AD35S13590

Data: AD35S13590.TI
06/16/91 1:56:00
Sample: S6 91-13590
Conds.: MS-B CASE: EOH0022
Submitted by: Analyst: JOHNSON

AMOUNT=AREA * REF AMNT/(REF AREA * RESP FACT)
Resp. fac. from Library Entry

No	Name
101	DIBENZ(A,J)ACRIDINE
102	BENZOIC ACID

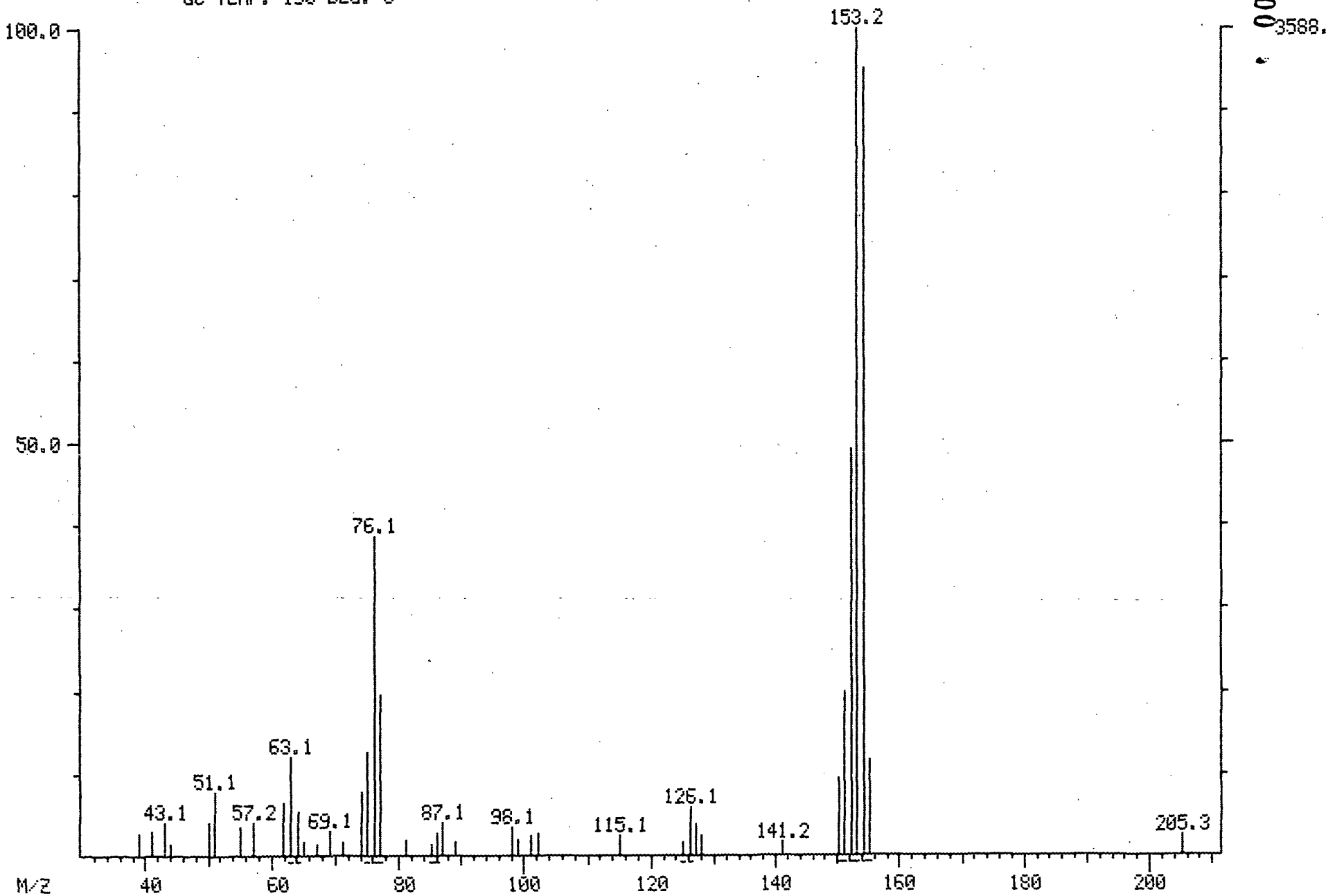
No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount	%Tot
101	NOT FOUND								
~~102~~	~~122~~	~~829~~	~~13:20~~	~~2~~	~~0.962~~	~~A BB~~	~~131.~~	~~9.117 U0~~	~~0.22~~ MJ

No	Ret(L)	Ratio	RRT(L)	Ratio	Amnt	Amnt(L)	R.Fac	R.Fac(L)	Ratio
101	38:55		1.133						
102	13:37	0.98	0.960	1.00	9.12	50.00	0.001	0.003	0.18

MID MASS SPECTRUM
06/16/91 1:56:00 + 18:30
SAMPLE: S6 91-13590
CONDS.: MS-B CASE: EOH0022
GC TEMP: 190 DEG. C

DATA: AD35513590 #1151
CALI: AD35513590 #2

BASE M/Z: 153
RIC: 16832.



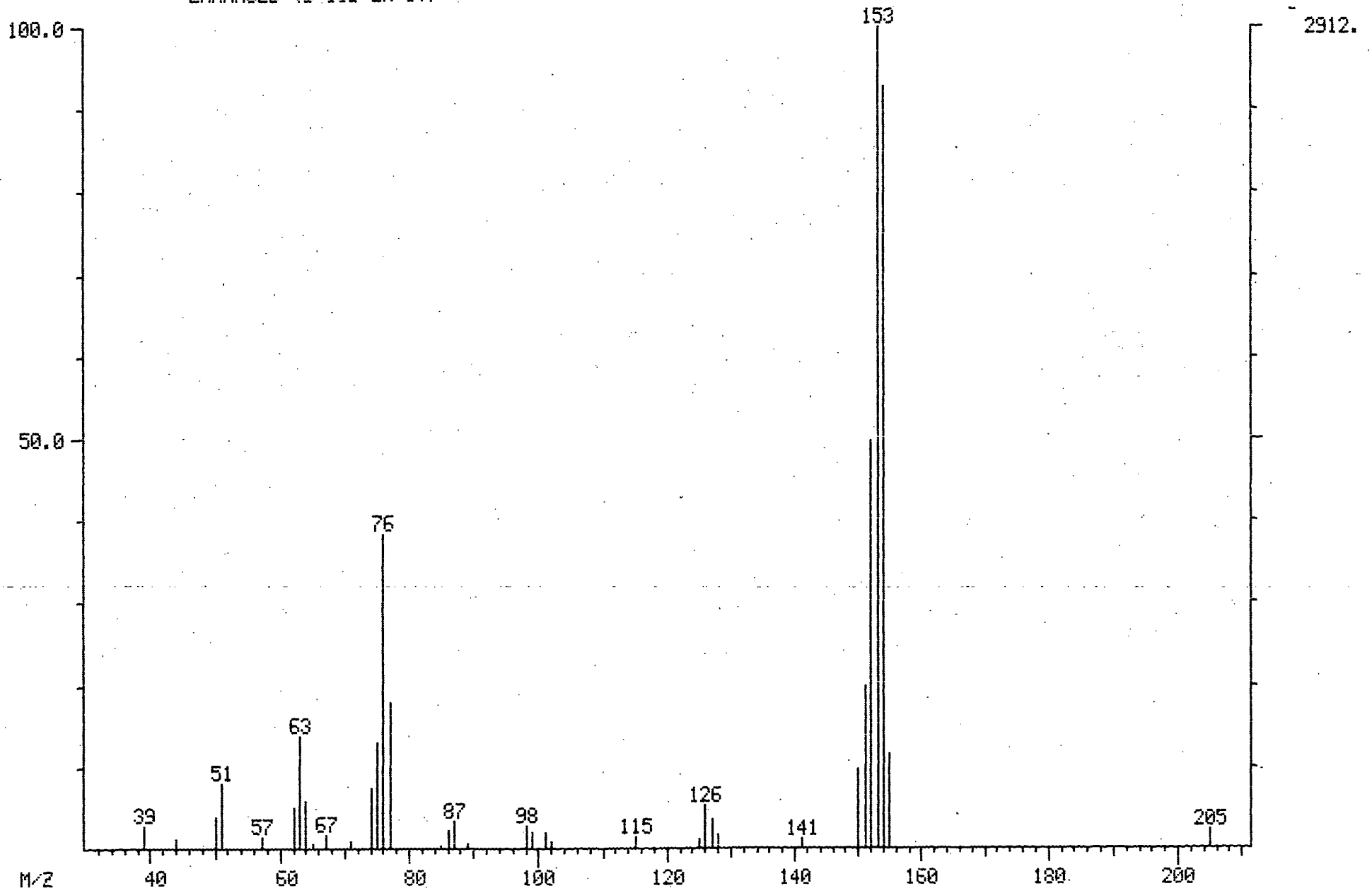
00610

MID MASS SPECTRUM
06/16/91 1:56:00 + 18:30
SAMPLE: S6 91-13590
CONDS.: MS-B CASE: EOH0022
GC TEMP: 190 DEG. C
ENHANCED (S 15B 2N 0T)

DATA: AD35513590 #1151
CALI: AD35513590 #2

BASE M/Z: 153
RIC: 12720.

11900

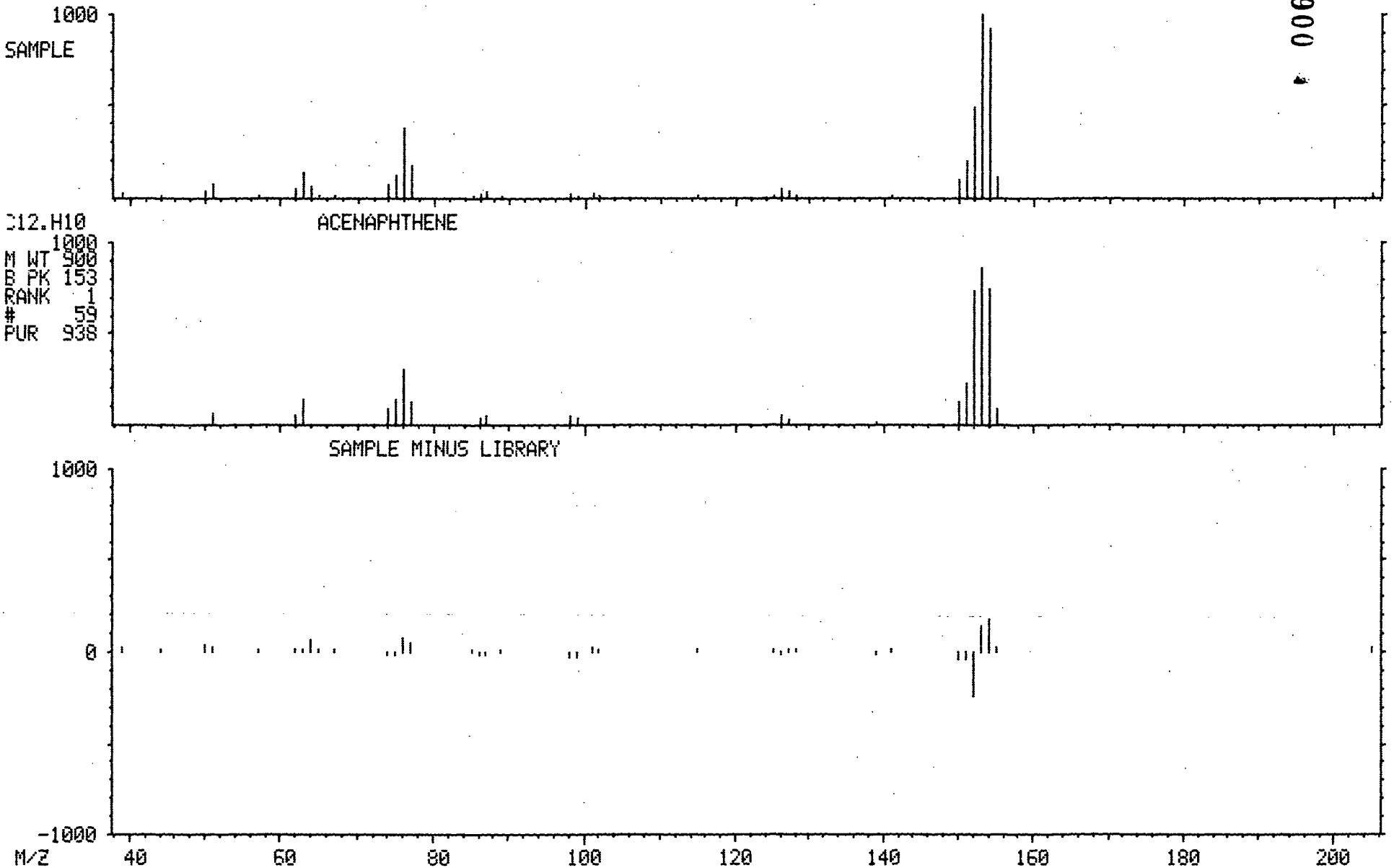


MID LIBRARY SEARCH
06/16/91 1:56:00 + 18:30
SAMPLE: S6 91-13590
CONDS.: MS-B CASE: EOH0022
ENHANCED (S 15B 2N 0T)

DATA: AD35S13590 #1151
CALI: AD35S13590 # 2

BASE M/Z: 153
RIC: 12687.

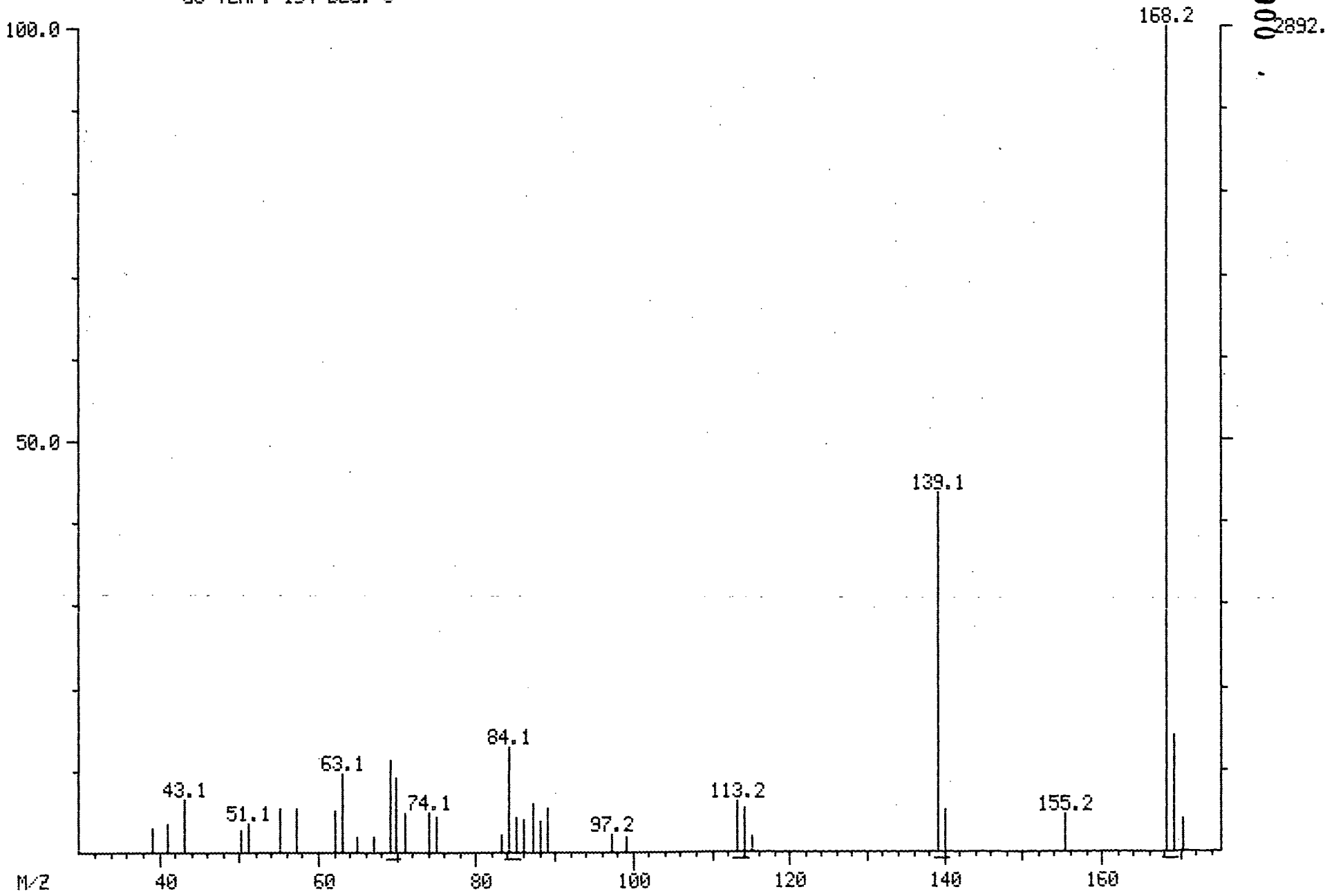
00612



MID MASS SPECTRUM
06/16/91 1:56:00 + 18:57
SAMPLE: S6 91-13590
CONDS.: MS-B CASE: EOH0022
GC TEMP: 194 DEG. C

DATA: AD35S13590 #1179
CALI: AD35S13590 #2

BASE M/Z: 168
RIC: 9008.



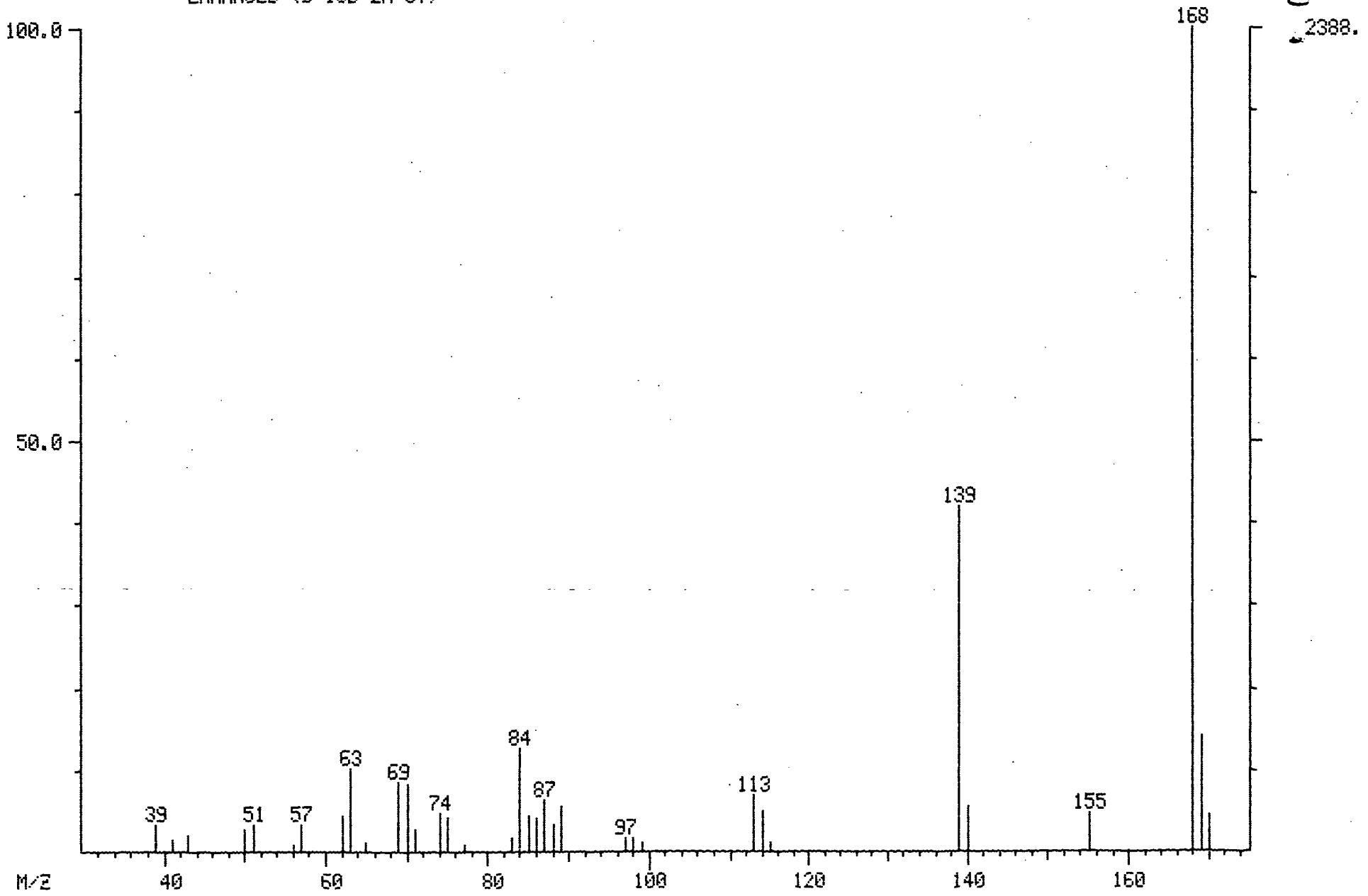
00613

MID MASS SPECTRUM
06/16/91 1:56:00 + 18:57
SAMPLE: S6 91-13590
CONDS.: MS-B CASE: EOH0022
GC TEMP: 194 DEG. C
ENHANCED (S 15B 2N 0T)

DATA: AD35513590 #1179
CALI: AD35513590 #2

BASE M/Z: 168
RIC: 6896.

00614

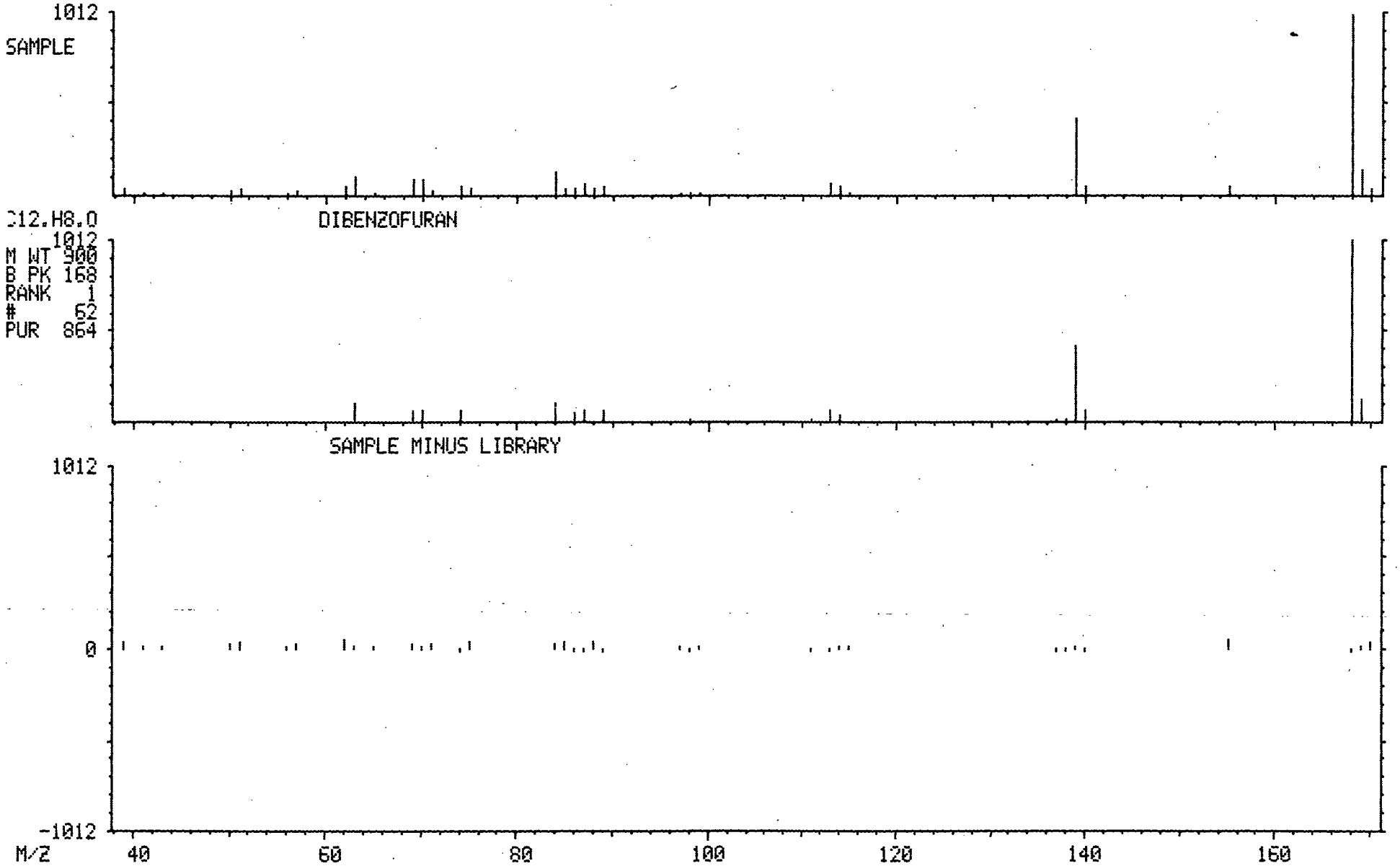


MID LIBRARY SEARCH
06/16/91 1:56:00 + 18:57
SAMPLE: S6 91-13590
CONDS.: MS-B CASE: EOH0022
ENHANCED (S 15B 2N 0T)

DATA: AD35513590 #1179
CALI: AD35513590 # 2

BASE M/Z: 168
RIC: 6839.

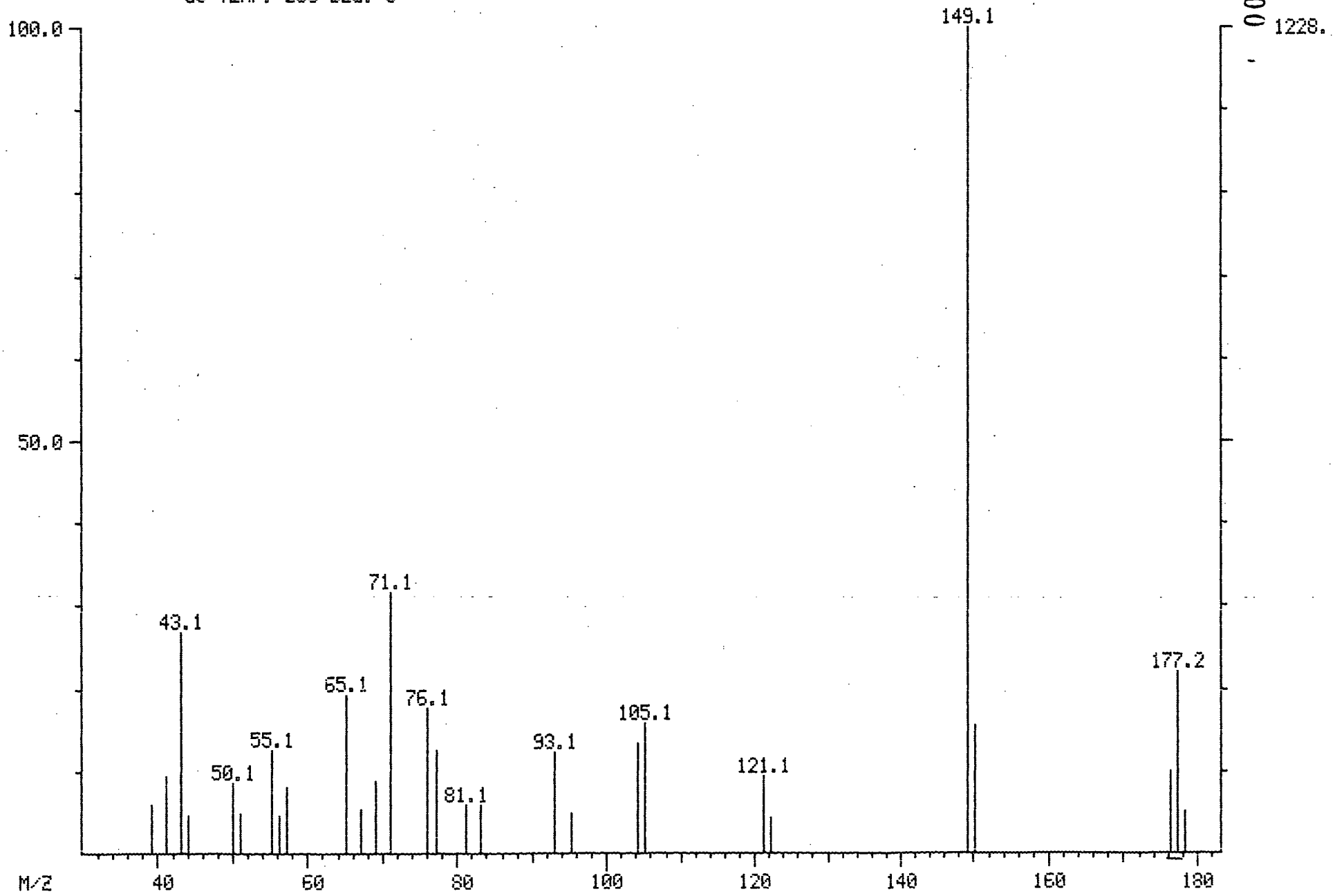
00615



MID MASS SPECTRUM
06/16/91 1:56:00 + 19:35
SAMPLE: S6 91-13590
CONDS.: MS-B CASE: EOH0022
GC TEMP: 200 DEG. C

DATA: AD35S13590 #1218
CALI: AD35S13590 #2

BASE M/Z: 149
RIC: 4992.



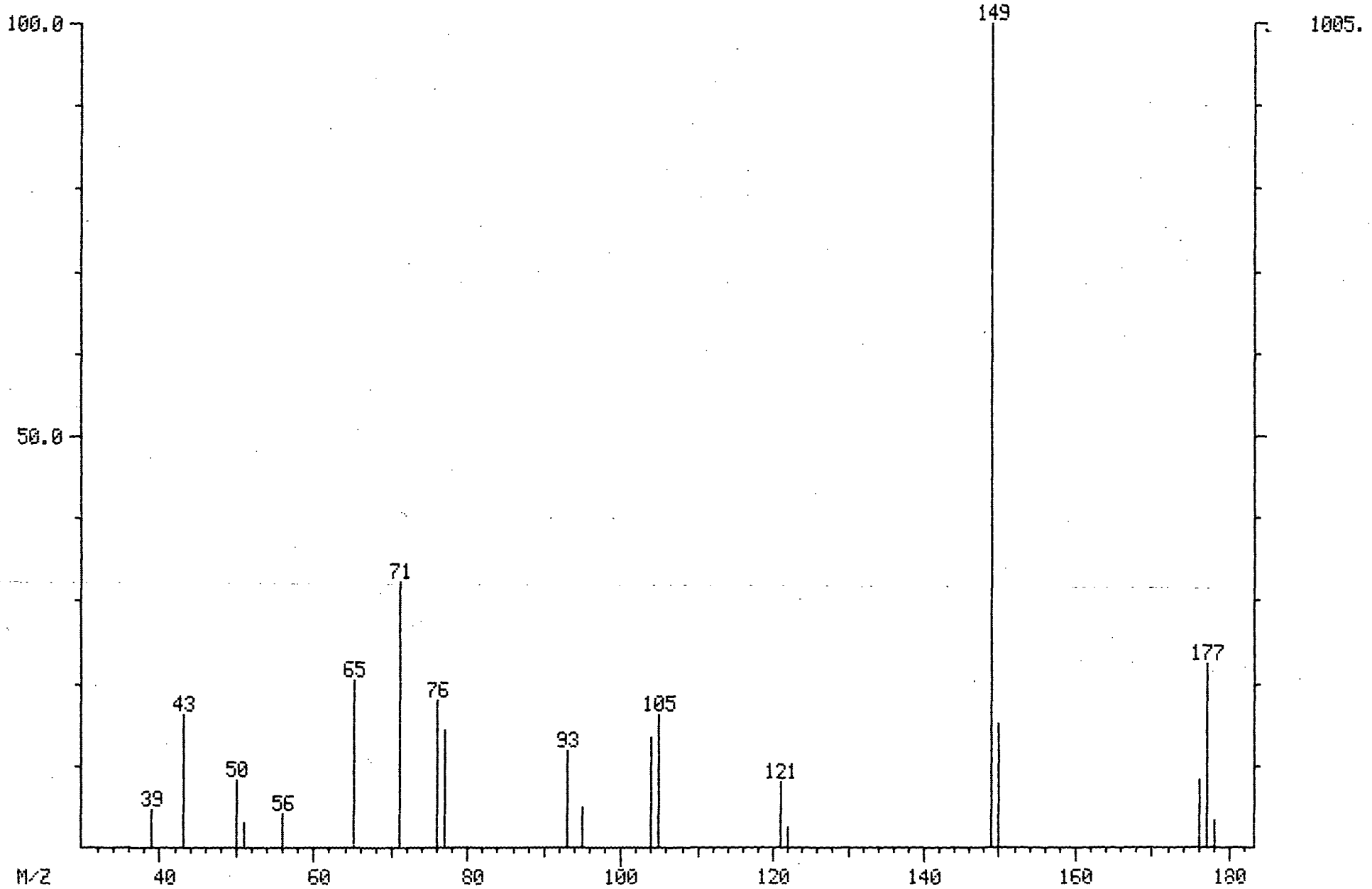
00616

MID MASS SPECTRUM
06/16/91 1:56:00 + 19:35
SAMPLE: S6 91-13590
CONDS.: MS-B CASE: EOH0022
GC TEMP: 200 DEG. C
ENHANCED (S 15B 2N 0T)

DATA: AD35513590 #1218
CALI: AD35513590 #2

BASE M/Z: 149
RIC: 3296.

00617

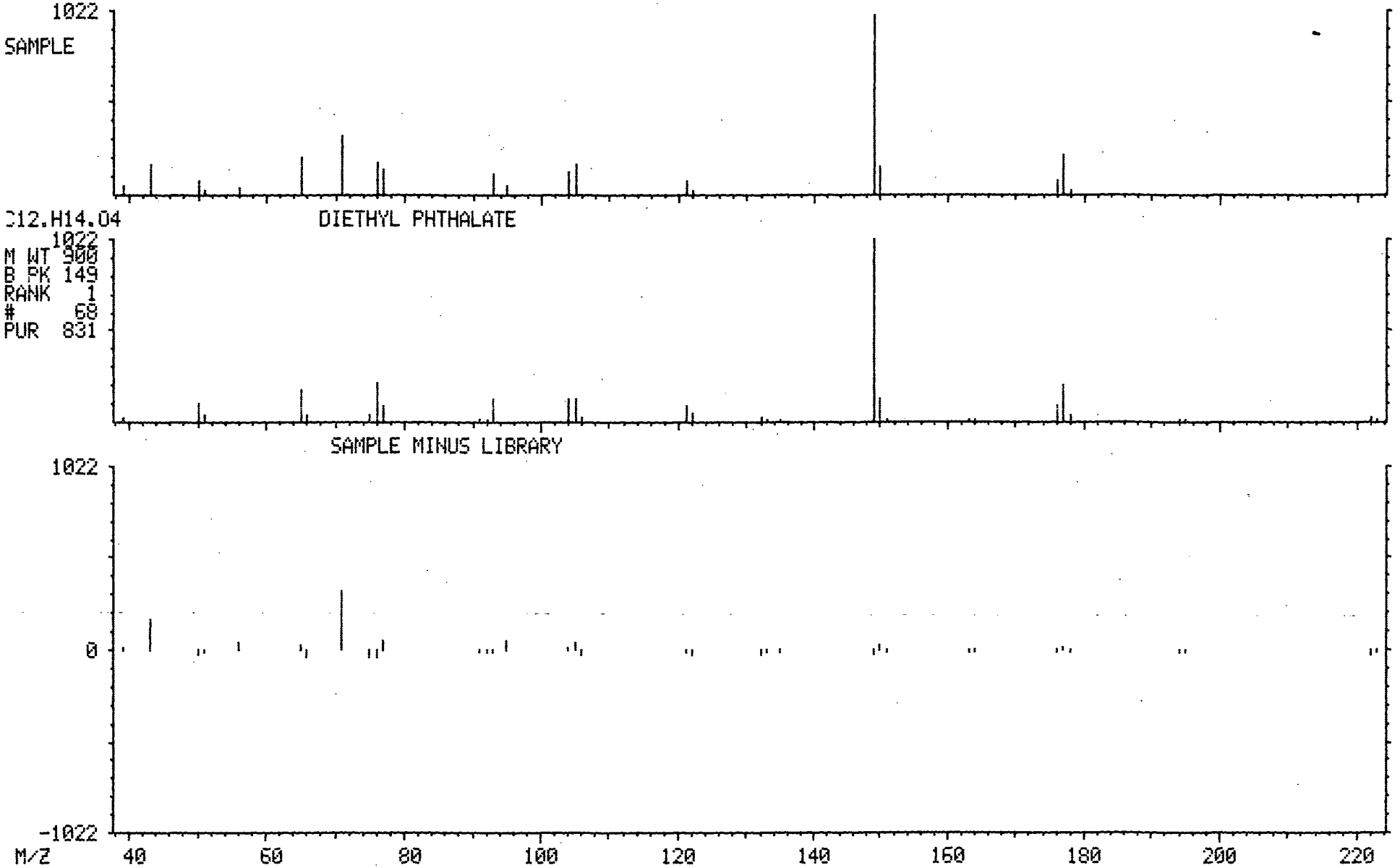


MID LIBRARY SEARCH
06/16/91 1:56:00 + 19:35
SAMPLE: S6 91-13590
CONDS.: MS-B CASE: EOH0022
ENHANCED (S 15B 2N 0T)

DATA: AD35513590 #1218
CALI: AD35513590 # 2

BASE M/Z: 149
RIC: 3295.

00618

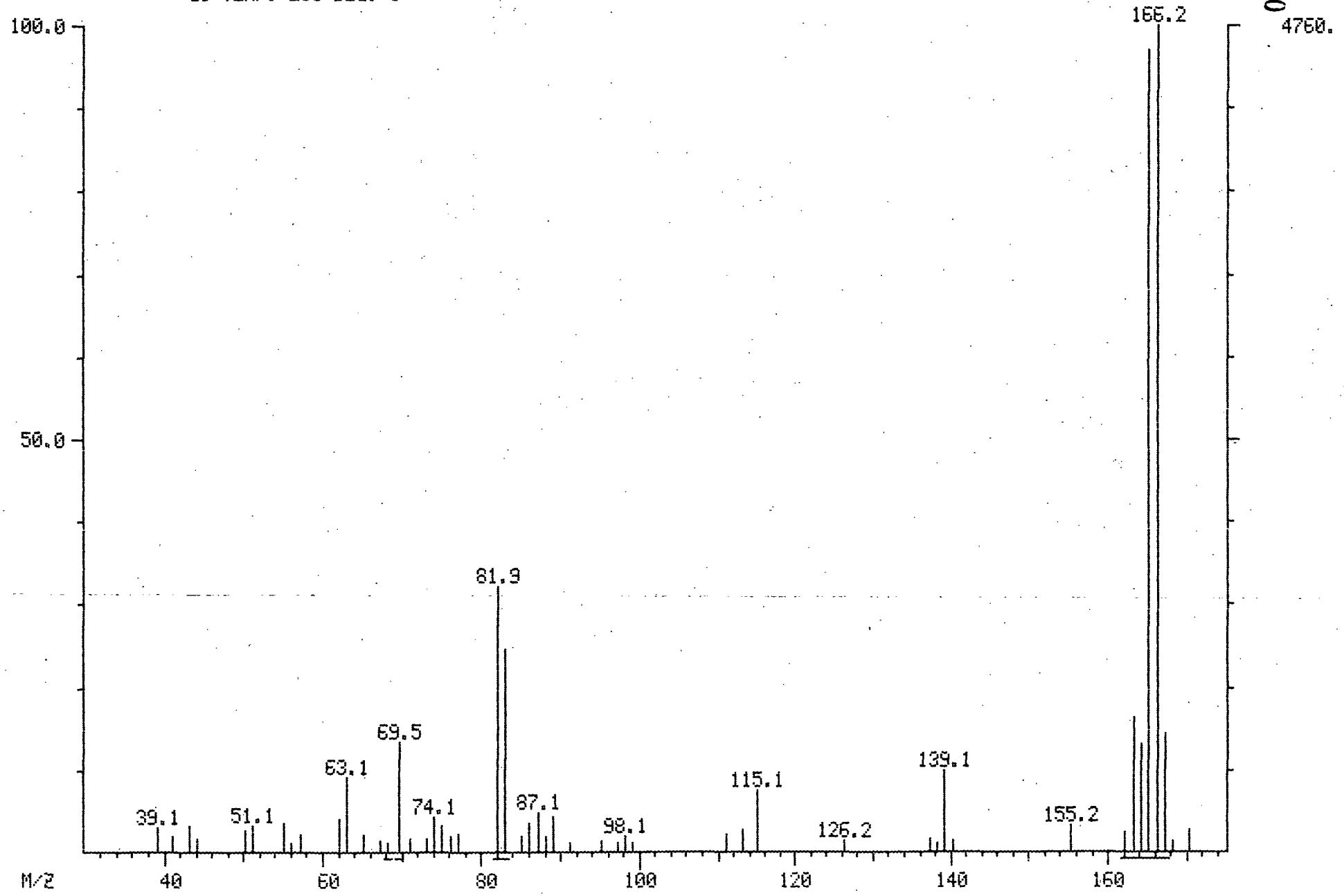


MID MASS SPECTRUM
06/16/91 1:56:00 + 19:51
SAMPLE: S6 91-13590
CONDS.: MS-B CASE: EOH0022
GC TEMP: 203 DEG. C

DATA: AD35S13590 #1235
CALI: AD35S13590 #2

BASE M/Z: 166
RIC: 20352.

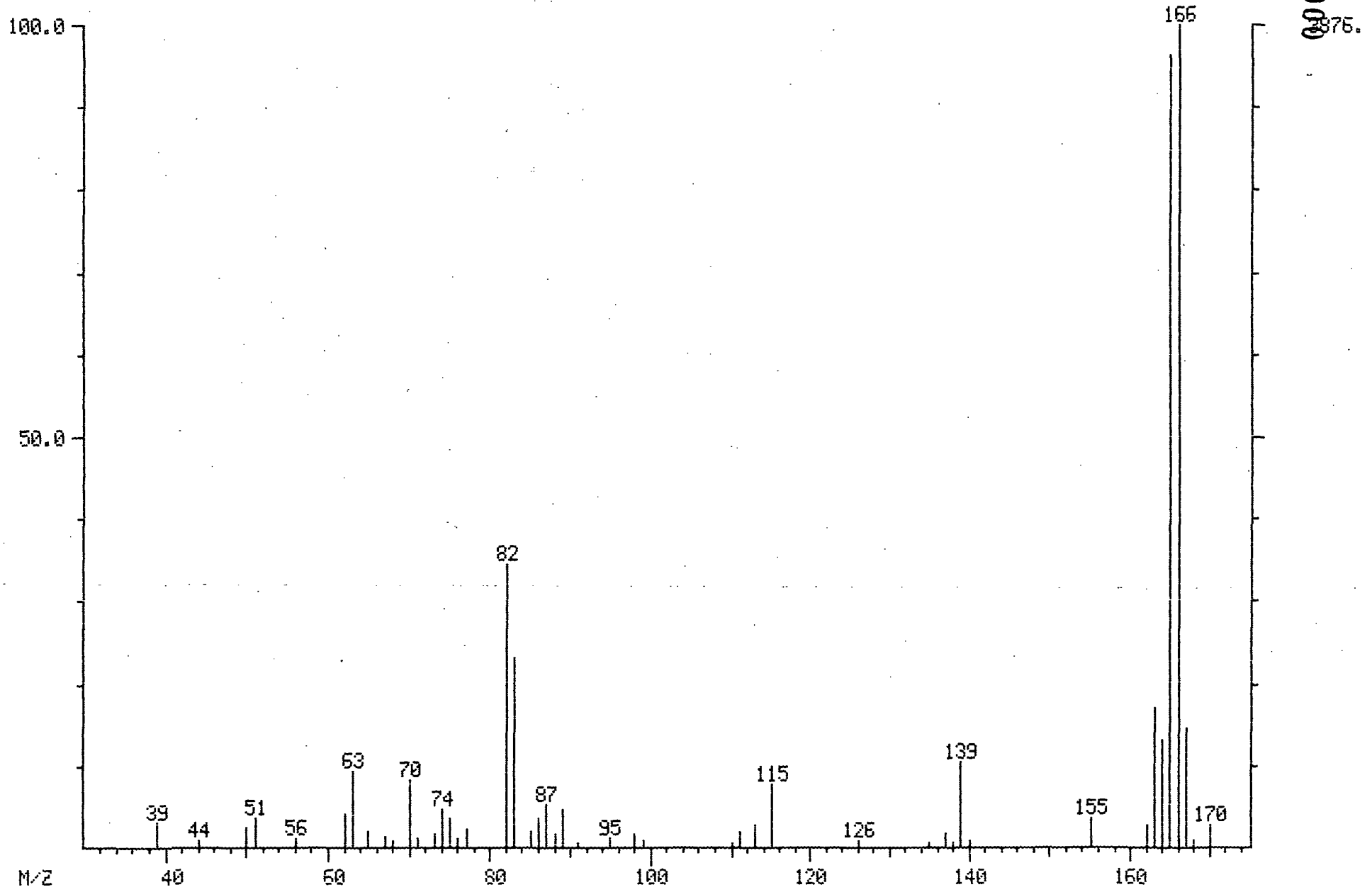
00619



MID MASS SPECTRUM
06/16/91 1:56:00 + 19:51
SAMPLE: S6 91-13590
CONDS.: MS-B CASE: EOH0022
GC TEMP: 203 DEG. C
ENHANCED (S 15B 2N 0T)

DATA: AD35513590 #1235
CALI: AD35513590 #2

BASE M/Z: 166
RIC: 15888.



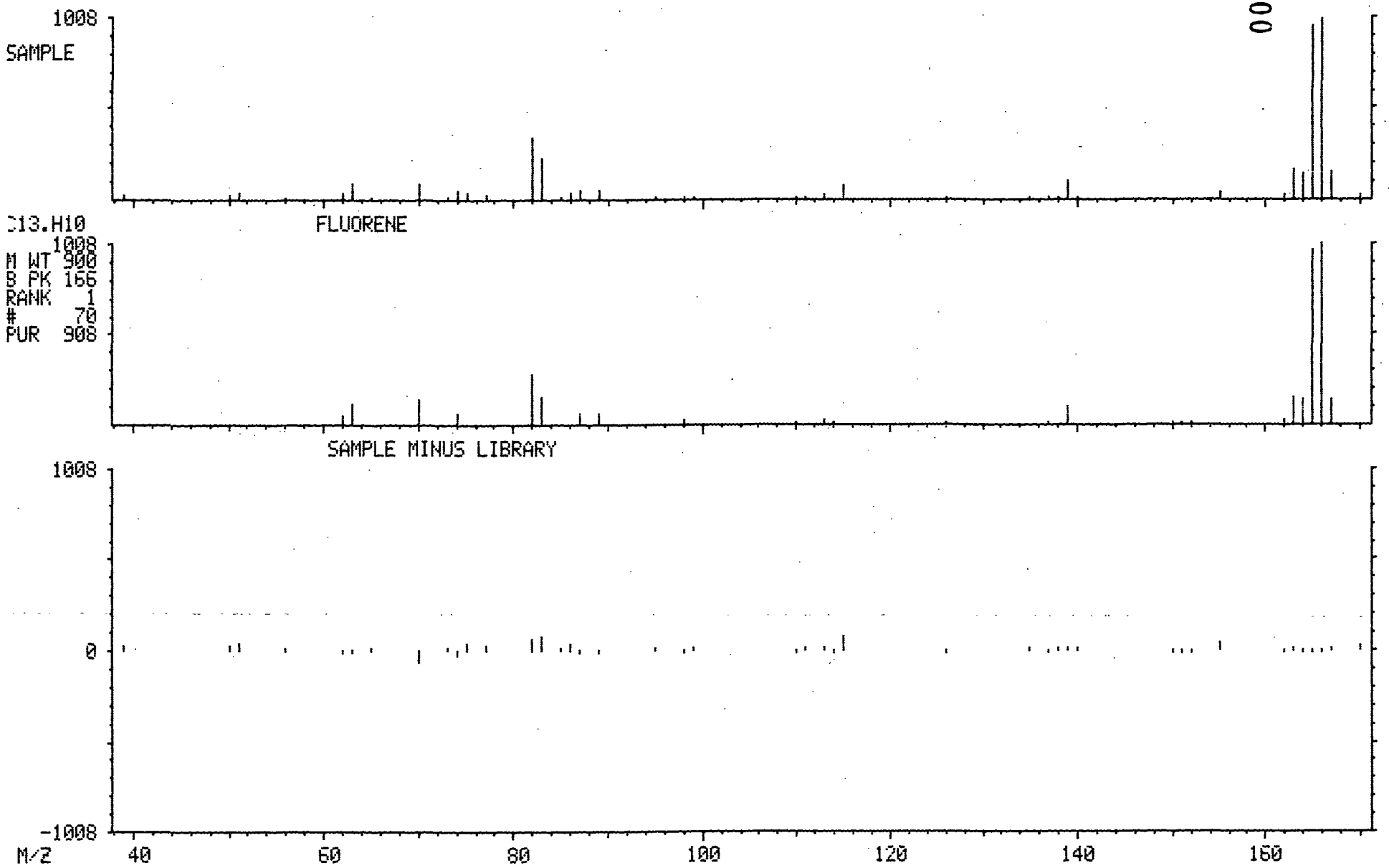
00620

MID LIBRARY SEARCH
06/16/91 1:56:00 + 19:51
SAMPLE: S6 91-13590
CONDS.: MS-B CASE: EOH0022
ENHANCED (S 15B 2N 0T)

DATA: AD35513590 #1235
CALI: AD35513590 # 2

BASE M/Z: 166
RIC: 15567.

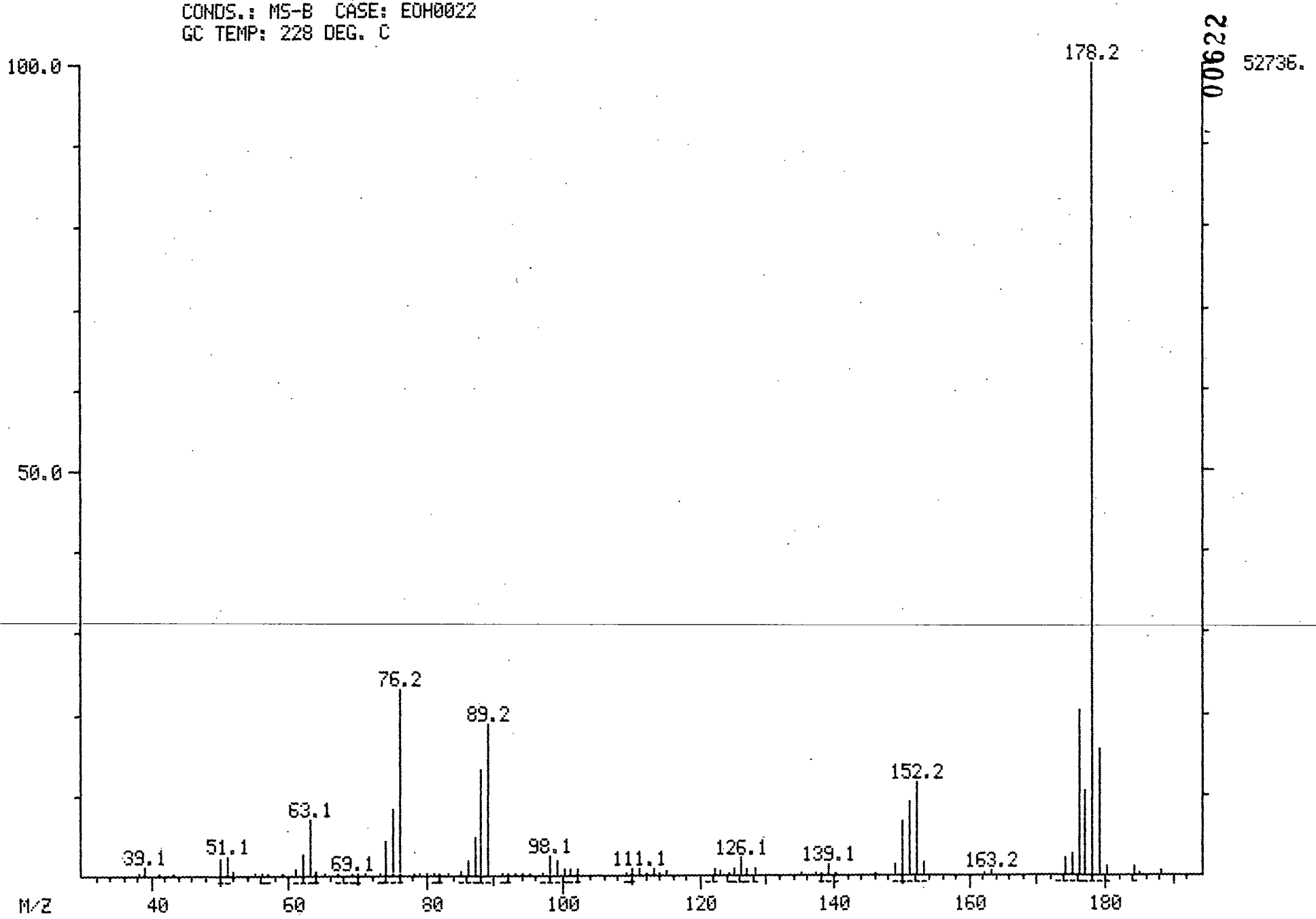
12900



MID MASS SPECTRUM
06/16/91 1:56:00 + 22:23
SAMPLE: S6 91-13590
CONDS.: MS-B CASE: EOH0022
GC TEMP: 228 DEG. C

DATA: AD35513590 #1392
CALI: AD35513590 #2

BASE M/Z: 178
RIC: 160000.



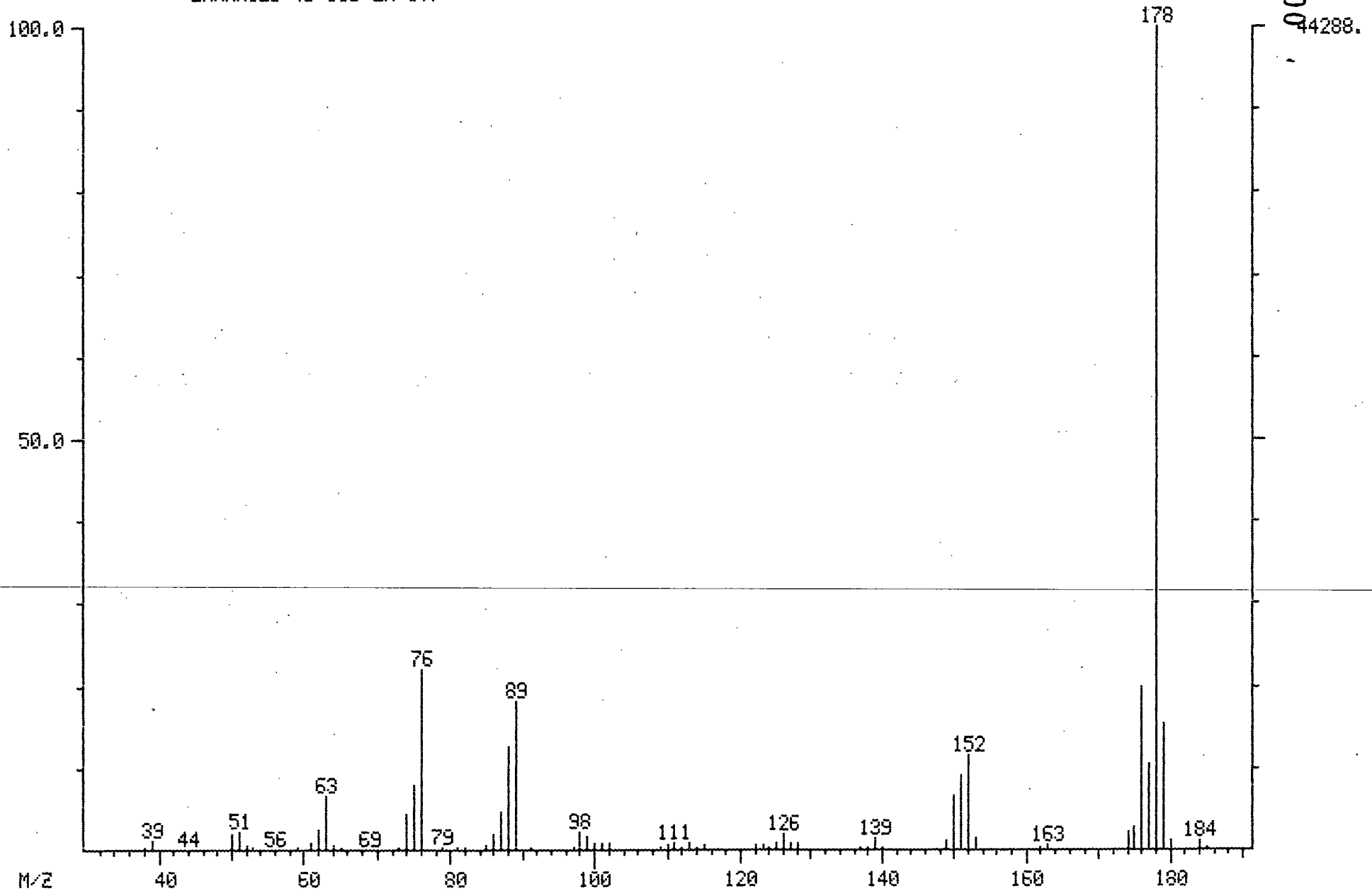
00922

MID MASS SPECTRUM
06/16/91 1:56:00 + 22:23
SAMPLE: S6 91-13590
CONDS.: MS-B CASE: EOH0022
GC TEMP: 228 DEG. C
ENHANCED (S 15B 2N 0T)

DATA: AD35513590 #1392
CALI: AD35513590 #2

BASE M/Z: 178
RIC: 130432.

00623

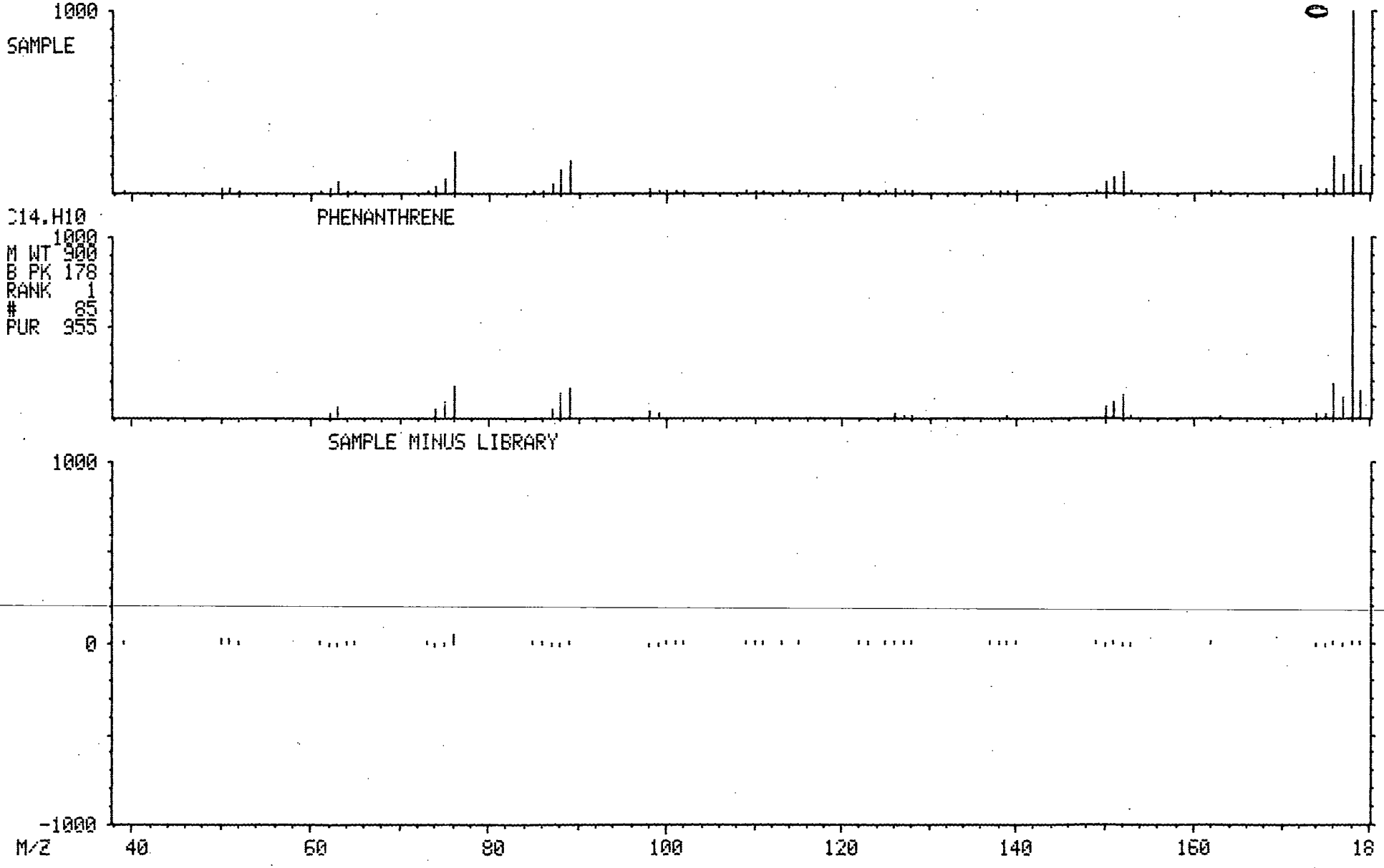


MID LIBRARY SEARCH
06/16/91 1:56:00 + 22:23
SAMPLE: S6 91-13590
CONDS.: MS-B CASE: EOH0022
ENHANCED (S 15B 2N 0T)

DATA: AD35513590 #1392
CALI: AD35513590 # 2

BASE M/Z: 178
RIC: 127615.

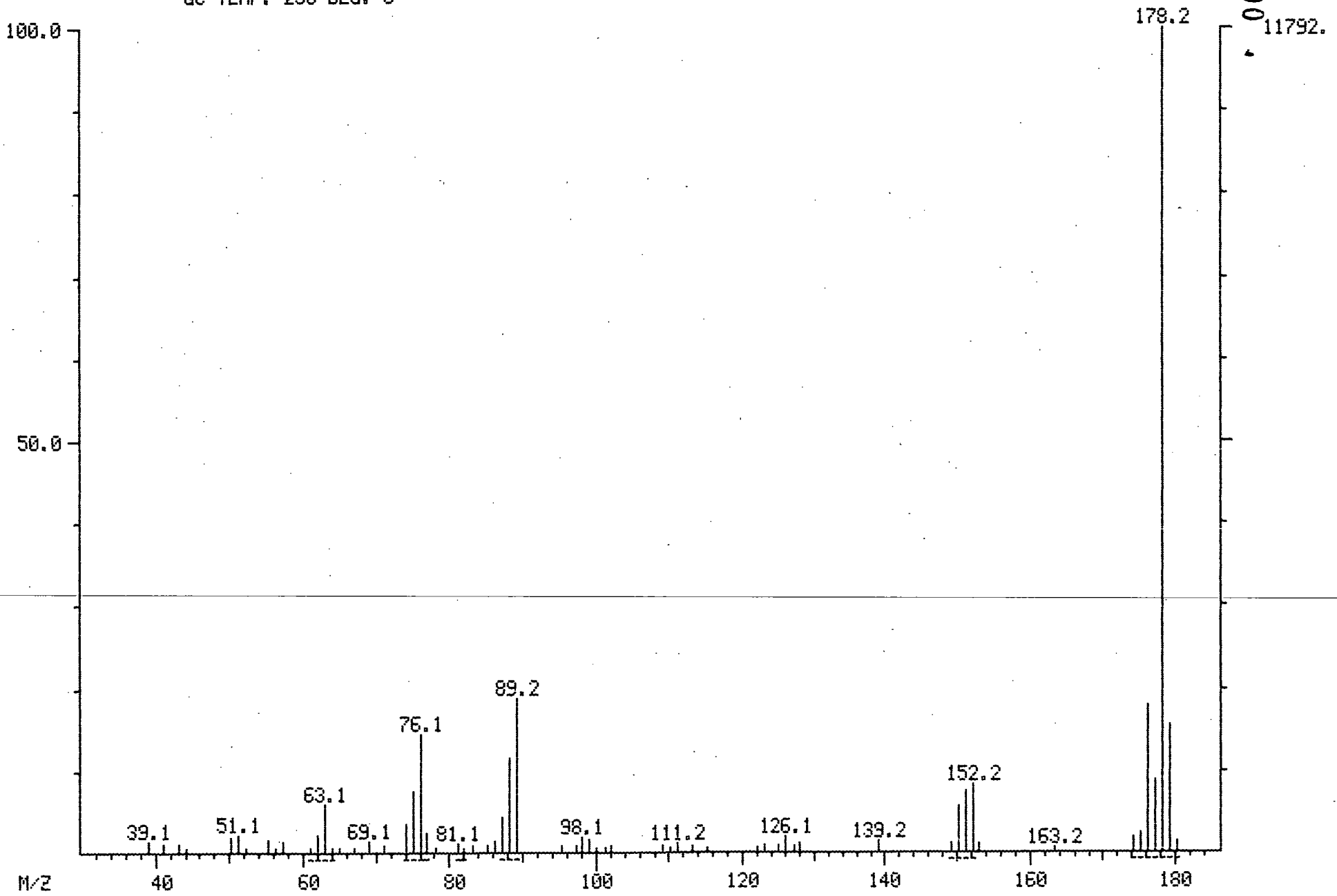
00624



MID MASS SPECTRUM
06/16/91 1:56:00 + 22:30
SAMPLE: S6 91-13590
CONDS.: MS-B CASE: EOH0022
GC TEMP: 230 DEG. C

DATA: AD35513590 #1400
CALI: AD35513590 #2

BASE M/Z: 178
RIC: 33344.



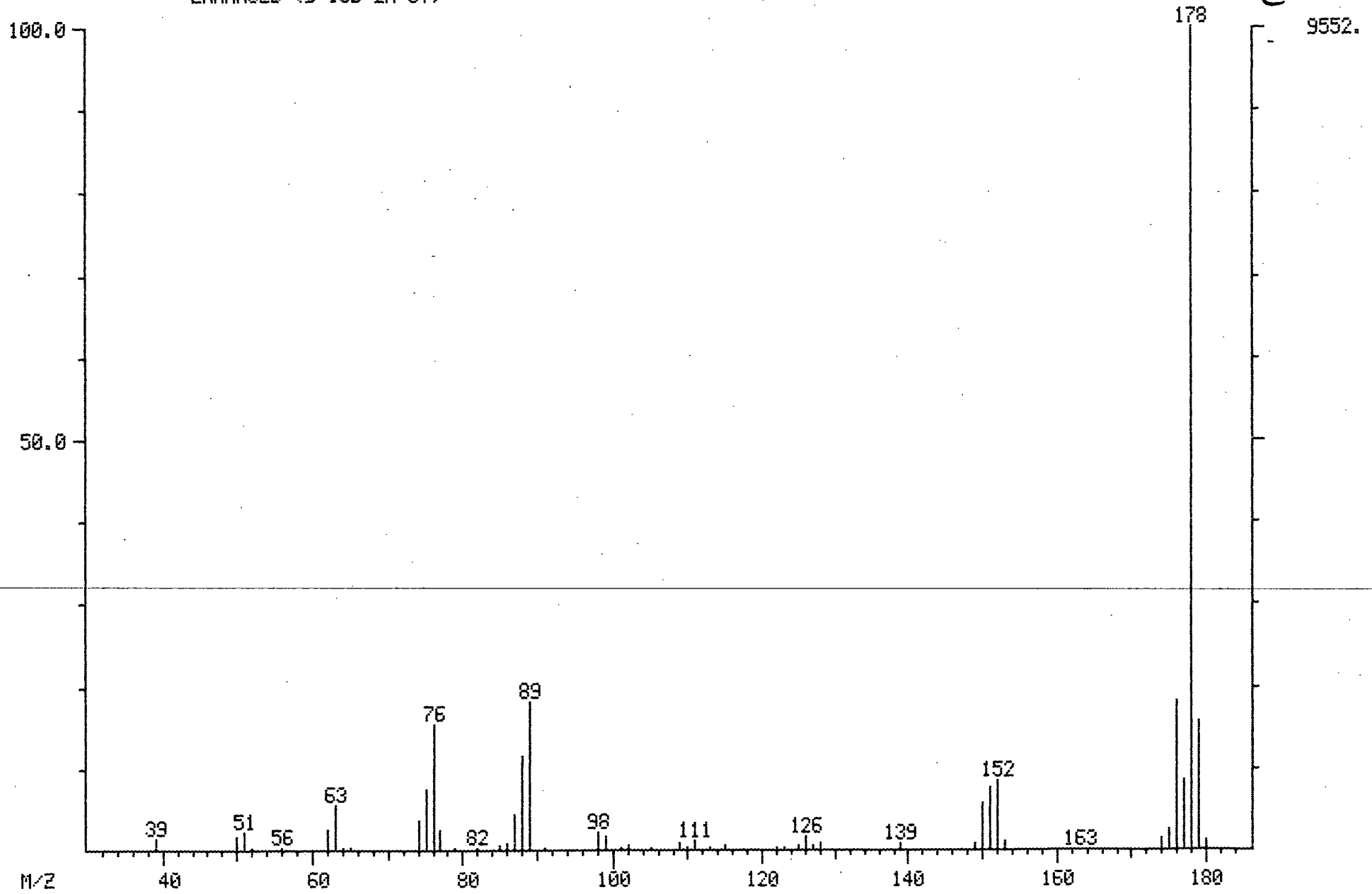
00625

MID MASS SPECTRUM
06/16/91 1:56:00 + 22:30
SAMPLE: S6 91-13590
CONDS.: MS-B CASE: EOH0022
GC TEMP: 230 DEG. C
ENHANCED (S 15B 2N 0T)

DATA: AD35S13590 #1400
CALI: AD35S13590 #2

BASE M/Z: 178
RIC: 25280.

00629

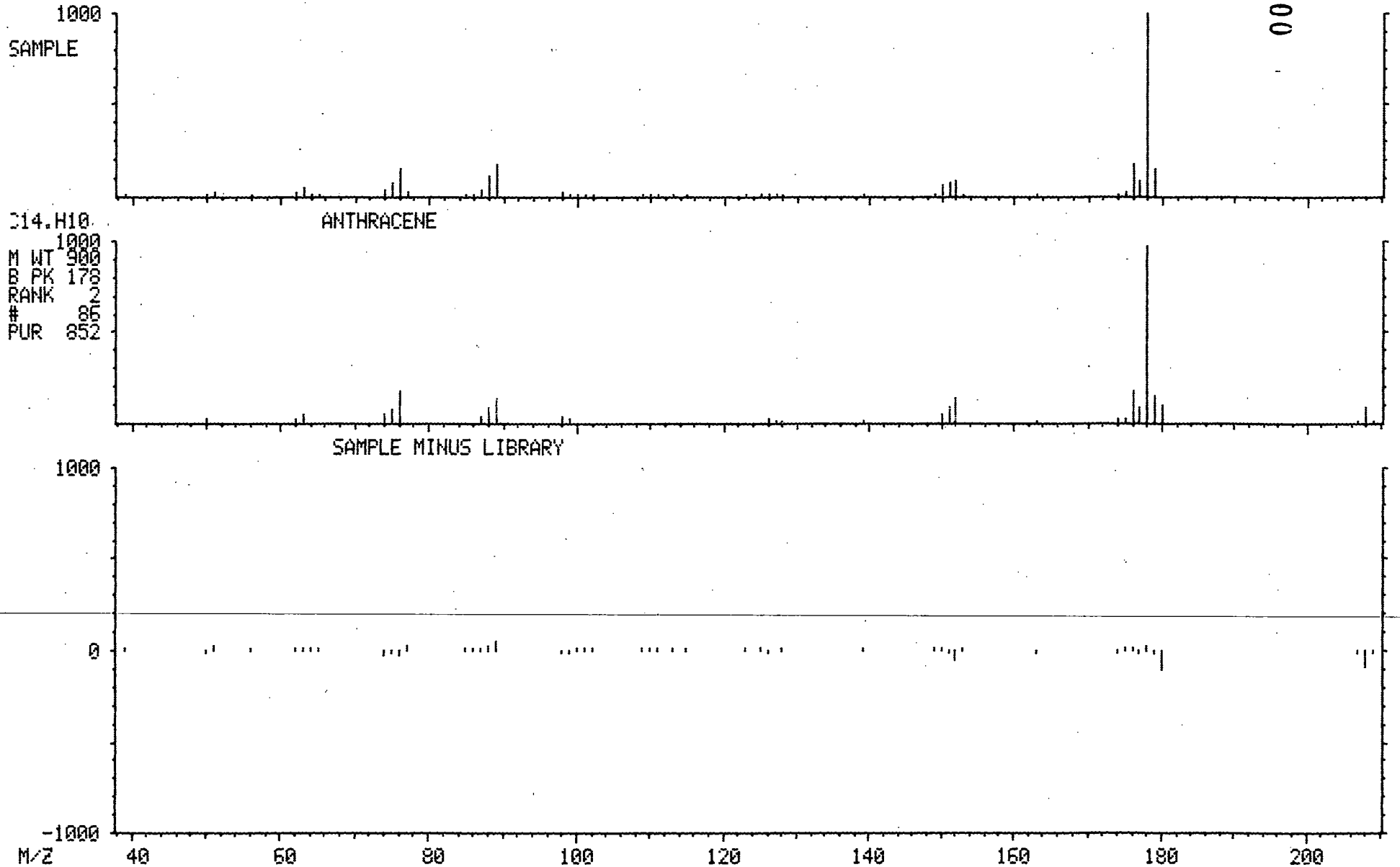


MID LIBRARY SEARCH
06/16/91 1:56:00 + 22:30
SAMPLE: S6 91-13590
CONDS.: MS-B CASE: EOH0022
ENHANCED (S 15B 2N 0T)

DATA: AD35S13590 #1400
CALI: AD35S13590 # 2

BASE M/Z: 178
RIC: 25023.

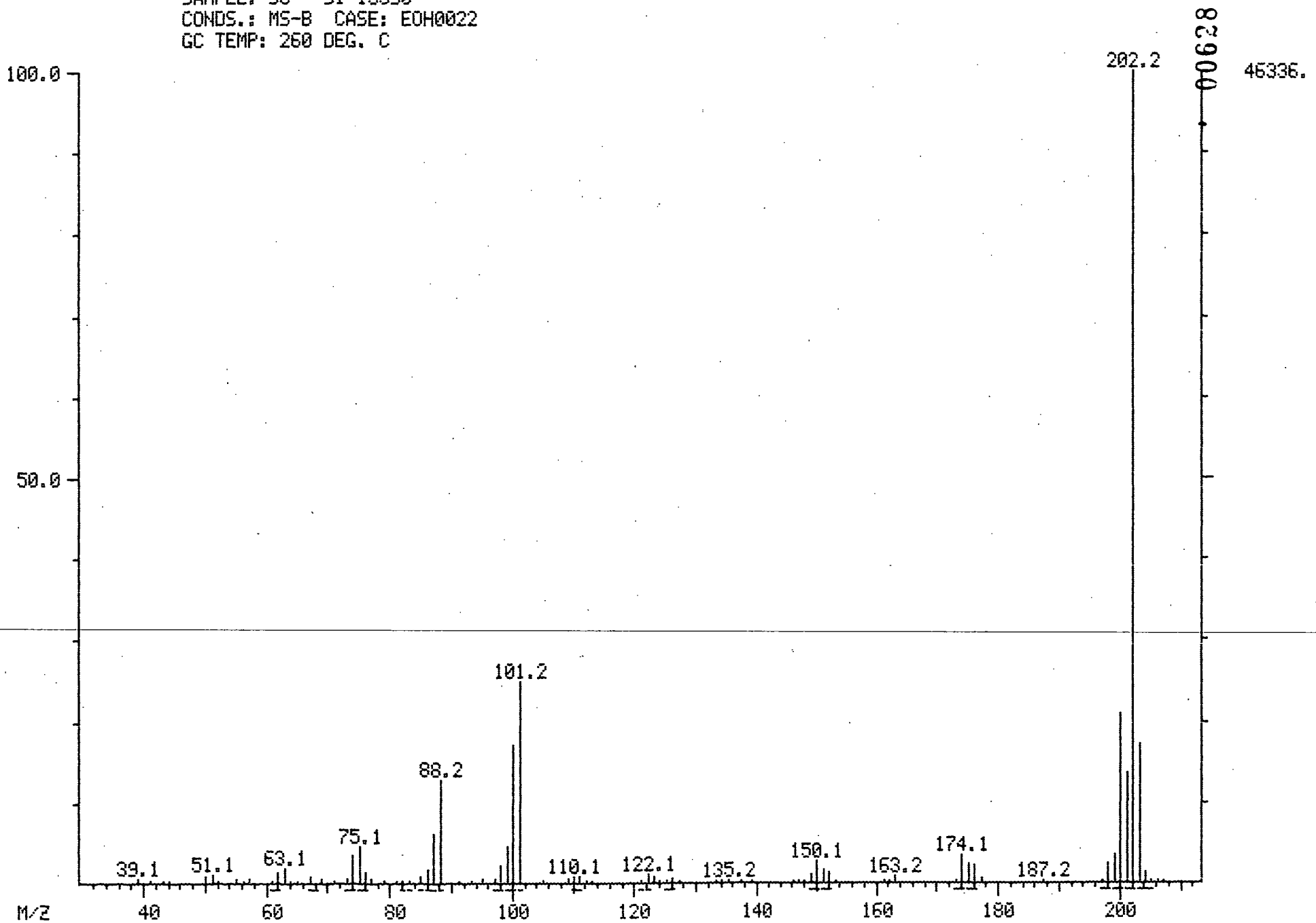
00627



MID MASS SPECTRUM
06/16/91 1:56:00 + 25:30
SAMPLE: S6 91-13590
CONDS.: MS-B CASE: EOH0022
GC TEMP: 260 DEG. C

DATA: AD35513590 #1586
CALI: AD35513590 #2

BASE M/Z: 202
RIC: 130048.

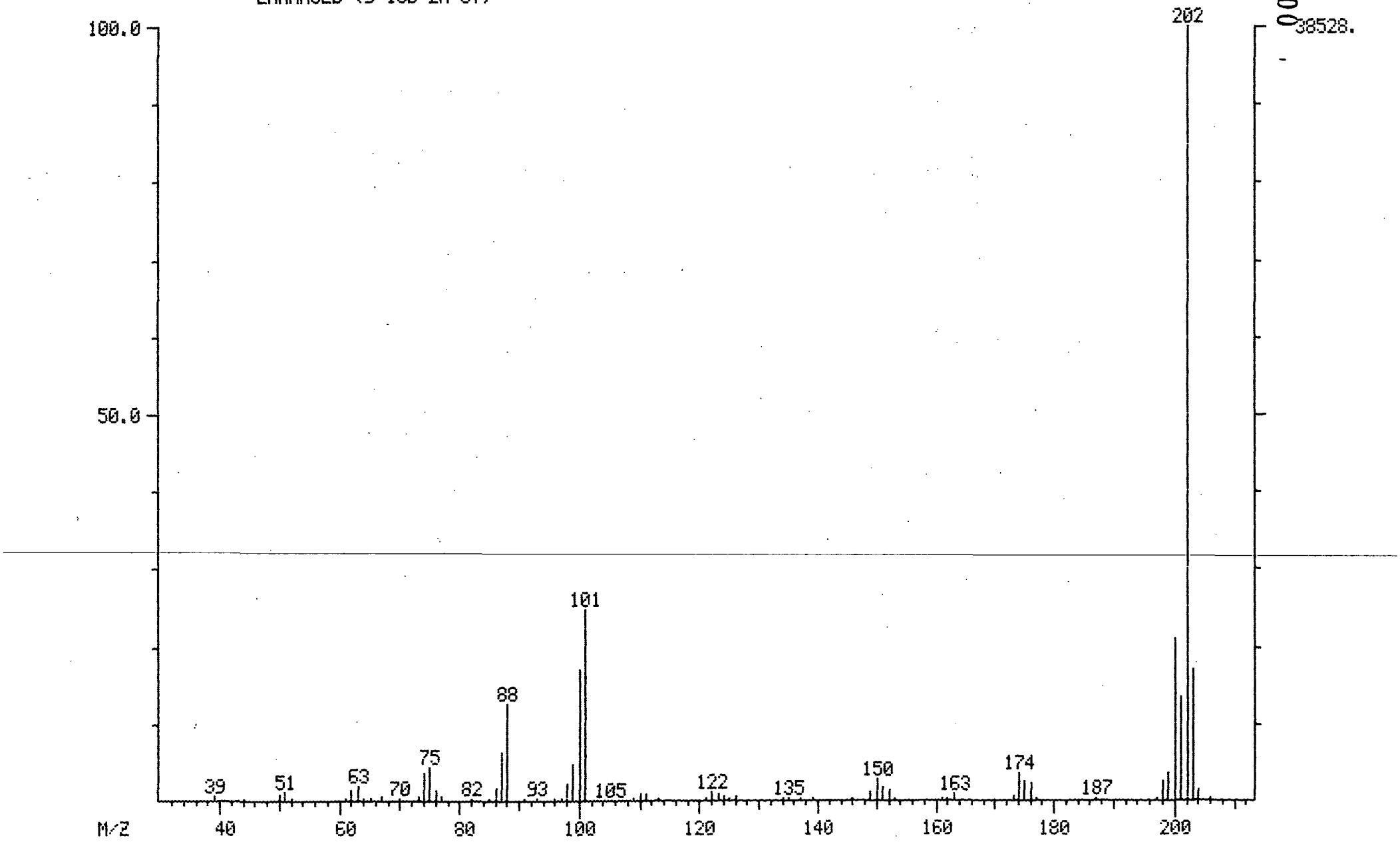


008900

MID MASS SPECTRUM
06/16/91 1:56:00 + 25:30
SAMPLE: S6 91-13590
CONDS.: MS-B CASE: EOH0022
GC TEMP: 260 DEG. C
ENHANCED (S 15B 2N 0T)

DATA: AD35513590 #1586
CALI: AD35513590 #2

BASE M/Z: 202
RIC: 105856.



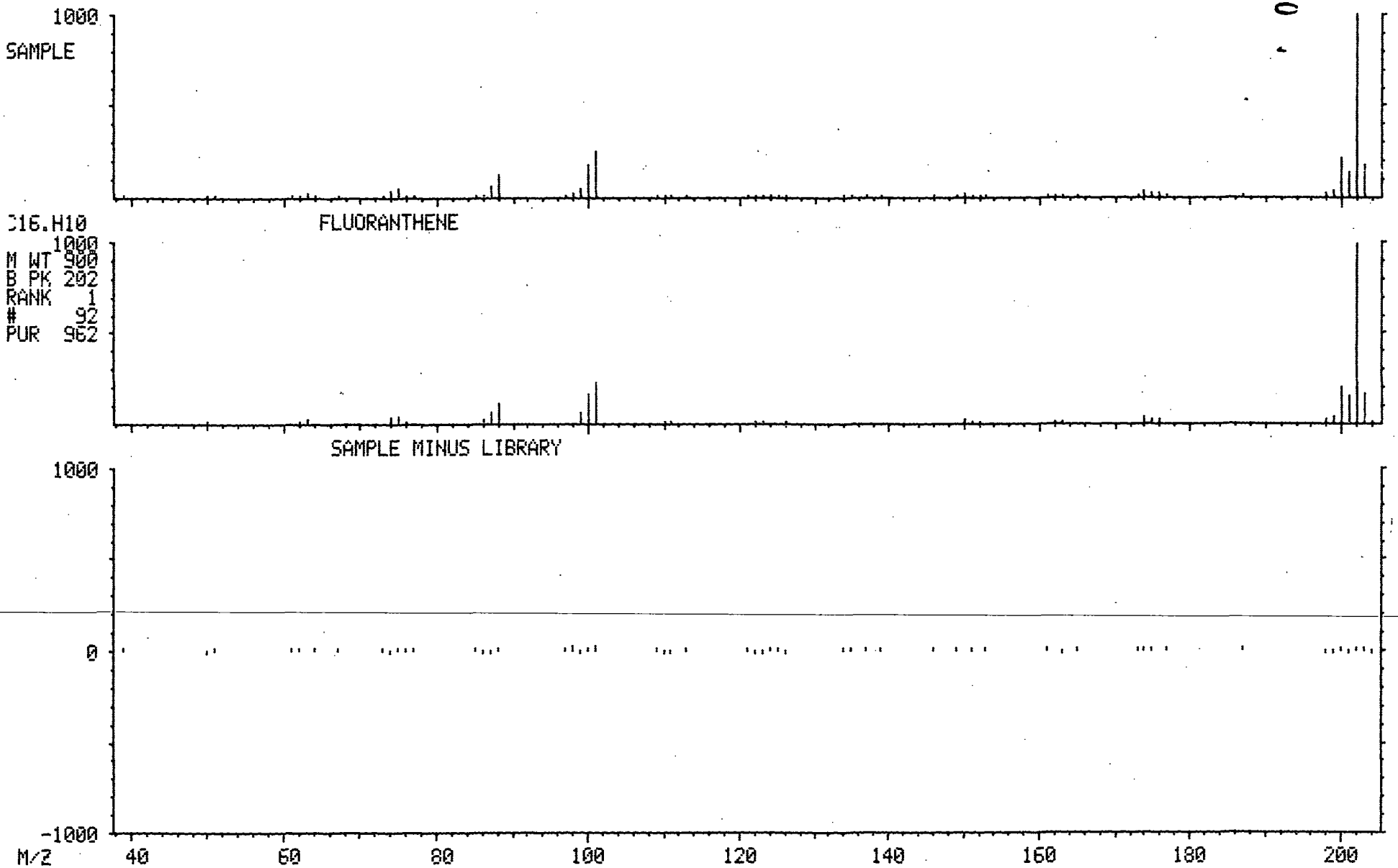
00629

MID LIBRARY SEARCH
06/16/91 1:56:00 + 25:30
SAMPLE: S6 91-13590
CONDS.: MS-B CASE: EOH0022
ENHANCED (S 15B 2N 0T)

DATA: AD35513590 #1586
CALI: AD35513590 # 2

BASE M/Z: 202
RIC: 104063.

00630

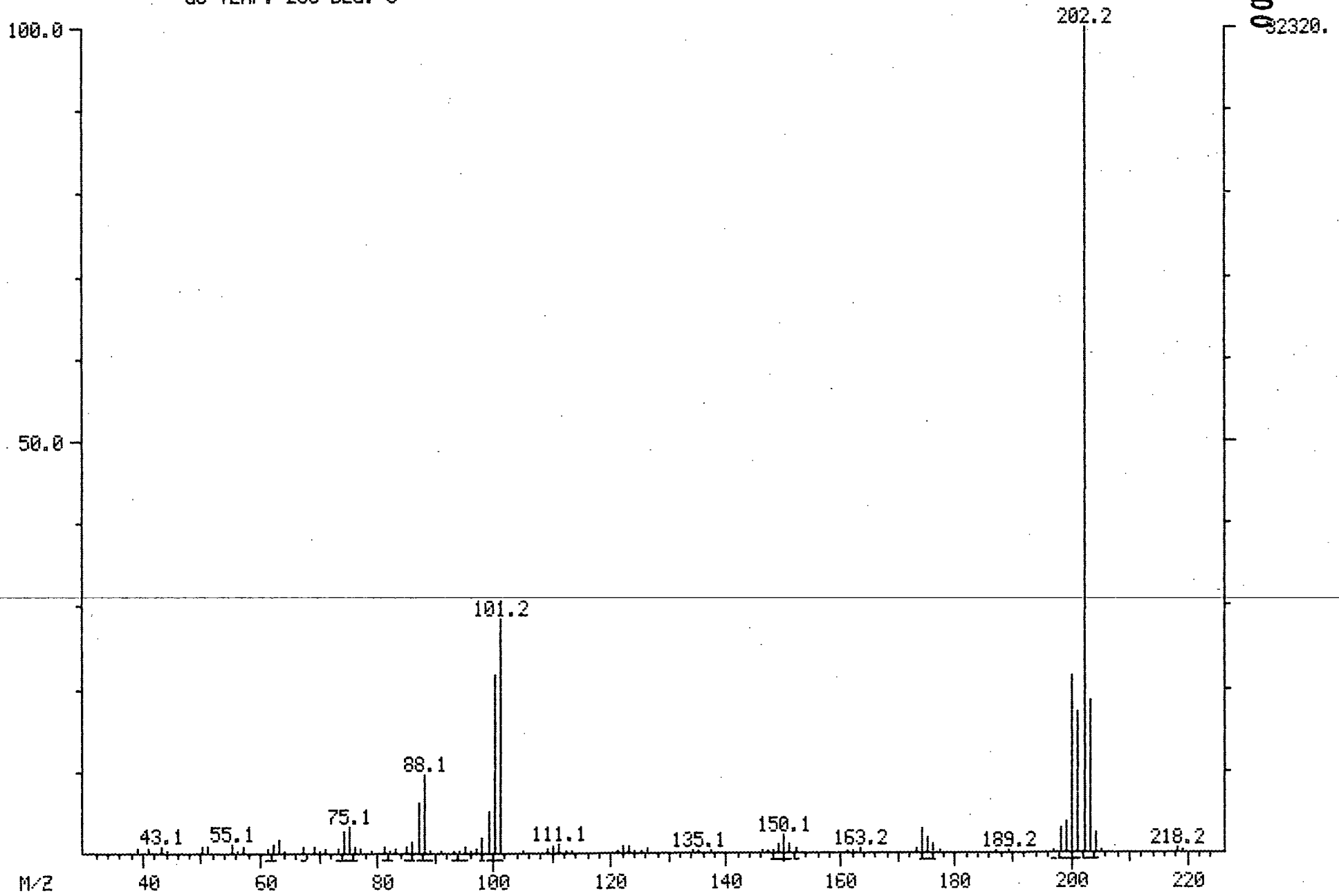


MID MASS SPECTRUM
06/16/91 1:56:00 + 26:06
SAMPLE: S6 91-13590
CONDS.: MS-B CASE: EOH0022
GC TEMP: 266 DEG. C

DATA: AD35S13590 #1623
CALI: AD35S13590 #2

BASE M/Z: 202
RIC: 92800.

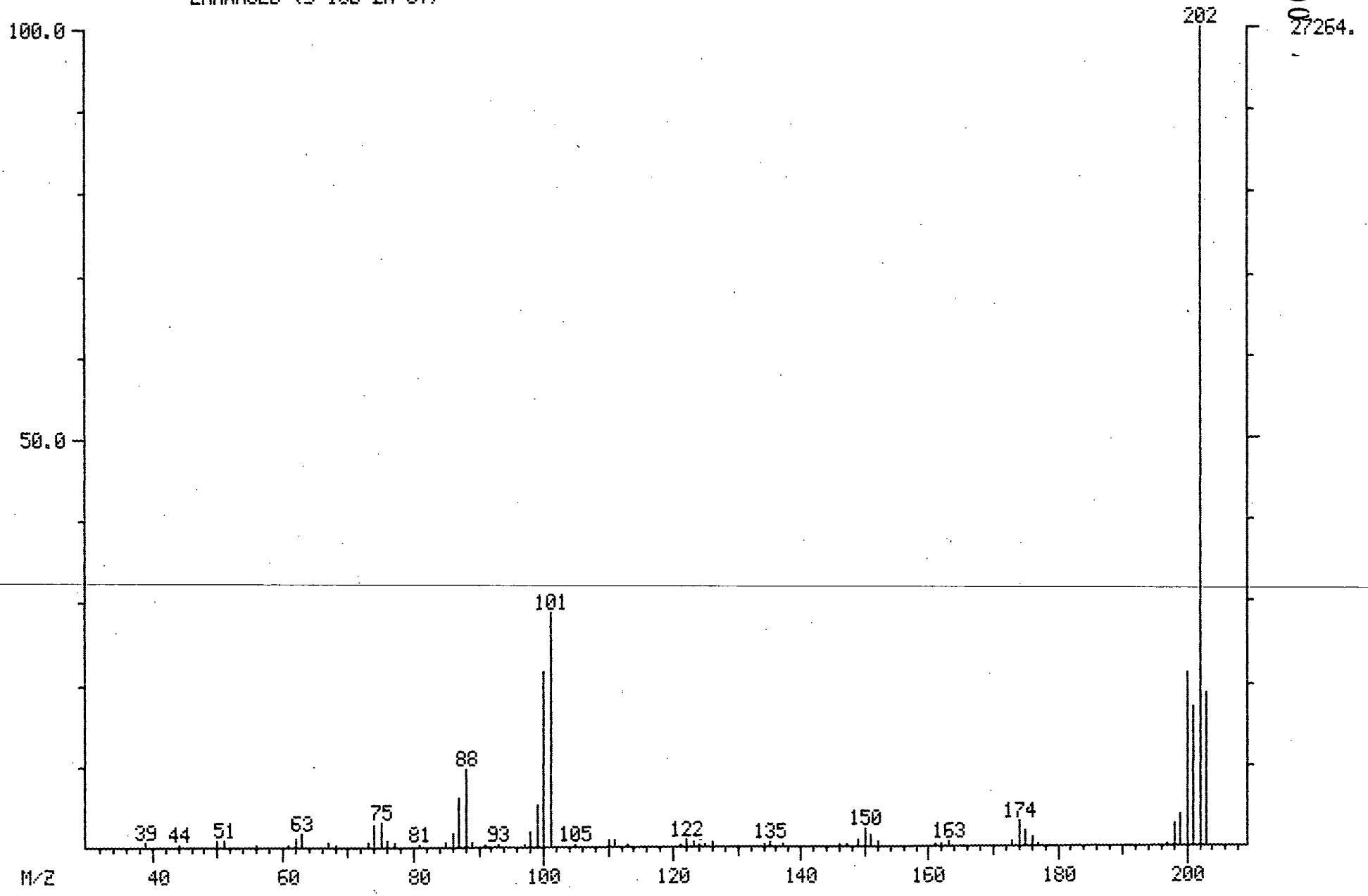
00631



MID MASS SPECTRUM
06/16/91 1:56:00 + 26:06
SAMPLE: S6 91-13590
CONDS.: MS-B CASE: EOH0022
GC TEMP: 266 DEG. C
ENHANCED (S 15B 2N 0T)

DATA: AD35S13590 #1623
CALI: AD35S13590 #2

BASE M/Z: 202
RIC: 75264.



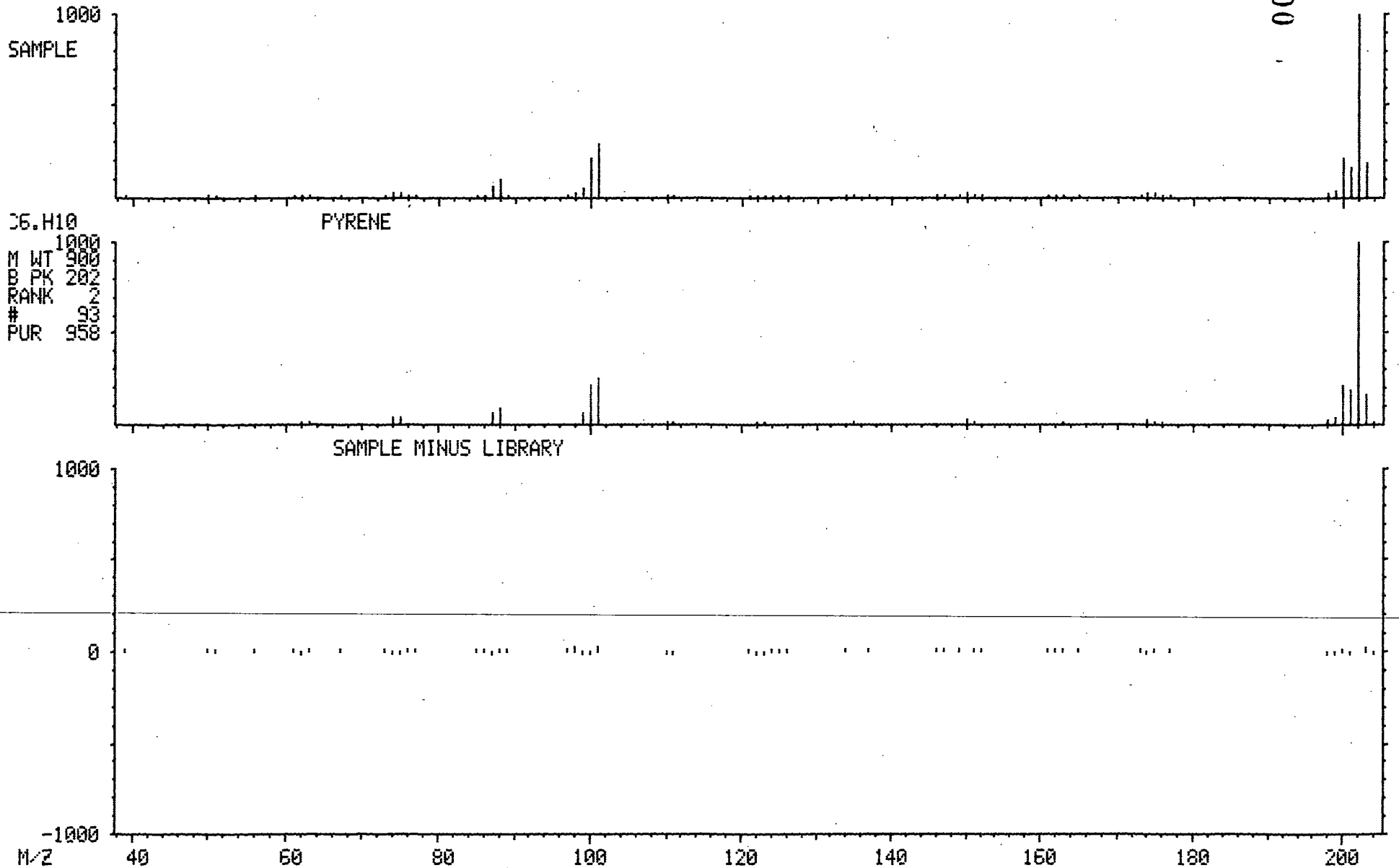
00632

MID LIBRARY SEARCH
06/16/91 1:56:00 + 26:06
SAMPLE: S6 91-13590
CONDS.: MS-B CASE: EOH0022
ENHANCED (S 15B 2N 0T)

DATA: AD35513590 #1623
CALI: AD35513590 # 2

BASE M/Z: 202
RIC: 74623.

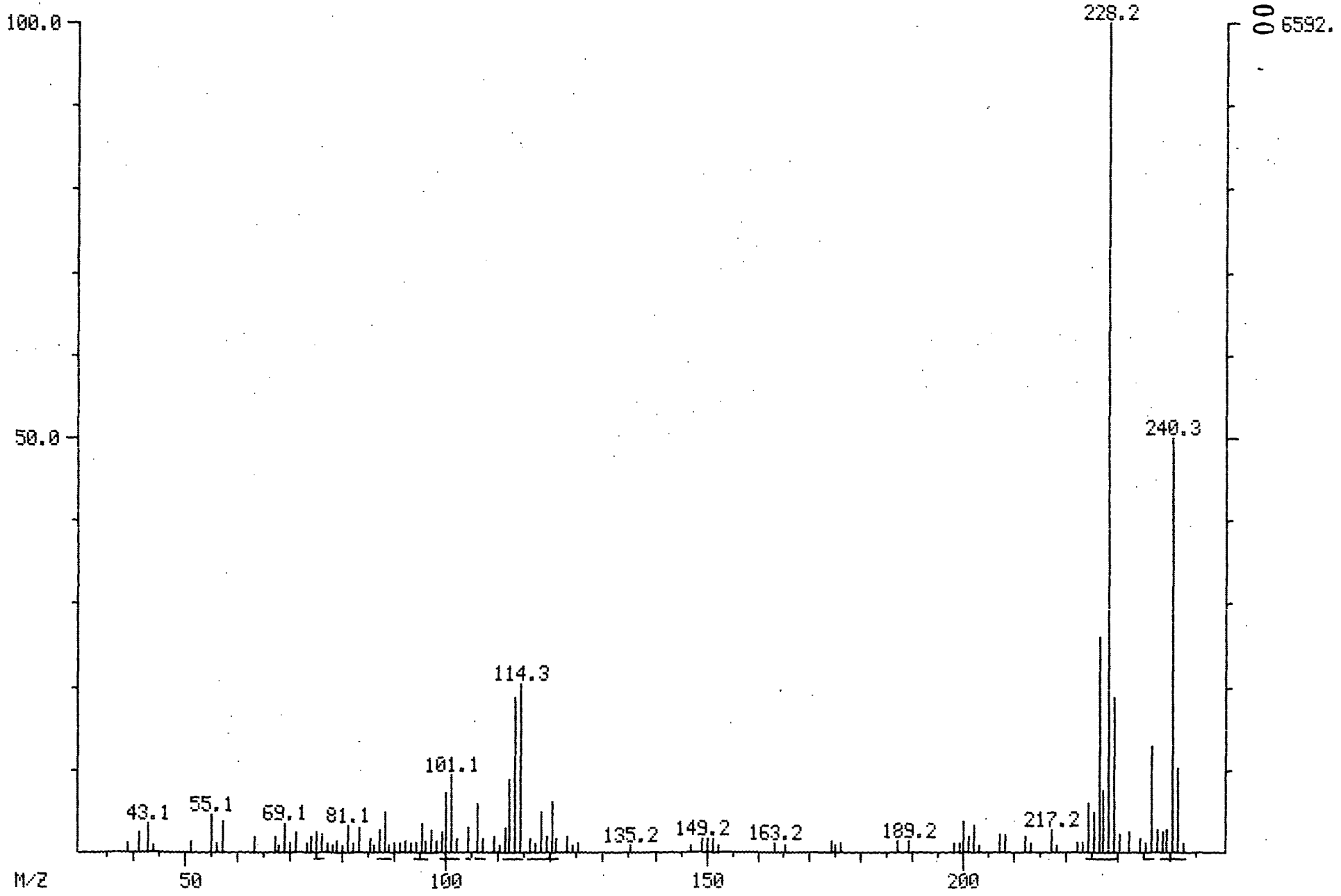
00633



MID MASS SPECTRUM
06/16/91 1:56:00 + 29:14
SAMPLE: S6 91-13590
CONDS.: MS-B CASE: EOH0022
GC TEMP: 297 DEG. C

DATA: AD35S13590 #1818
CALI: AD35S13590 #2

BASE M/Z: 228
RIC: 31200.

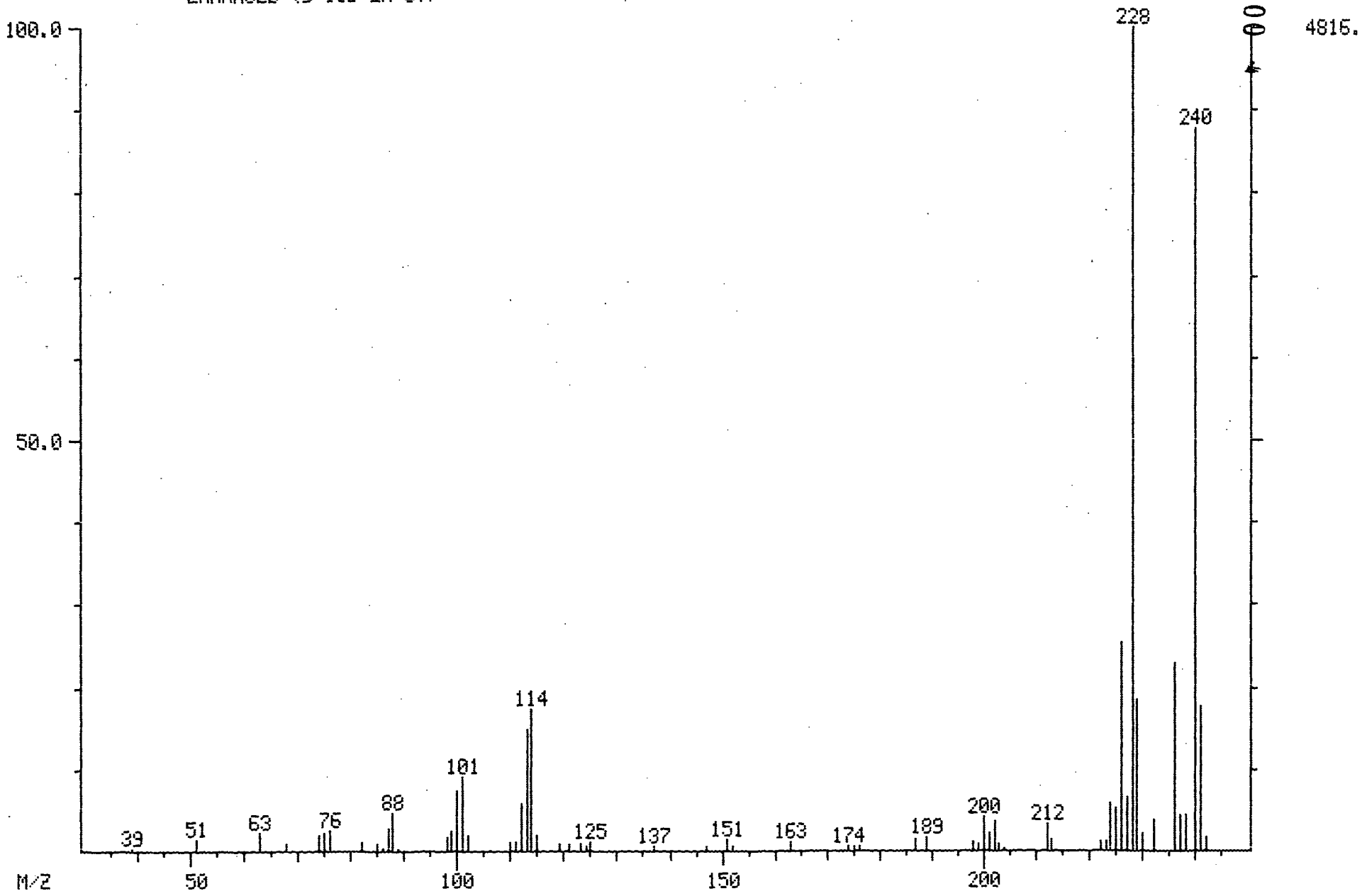


00634

MID MASS SPECTRUM
06/16/91 1:56:00 + 29:14
SAMPLE: S6 91-13590
CONDS.: MS-B CASE: EOH0022
GC TEMP: 297 DEG. C
ENHANCED (S 15B 2N 0T)

DATA: AD35S13590 #1818
CALI: AD35S13590 #2

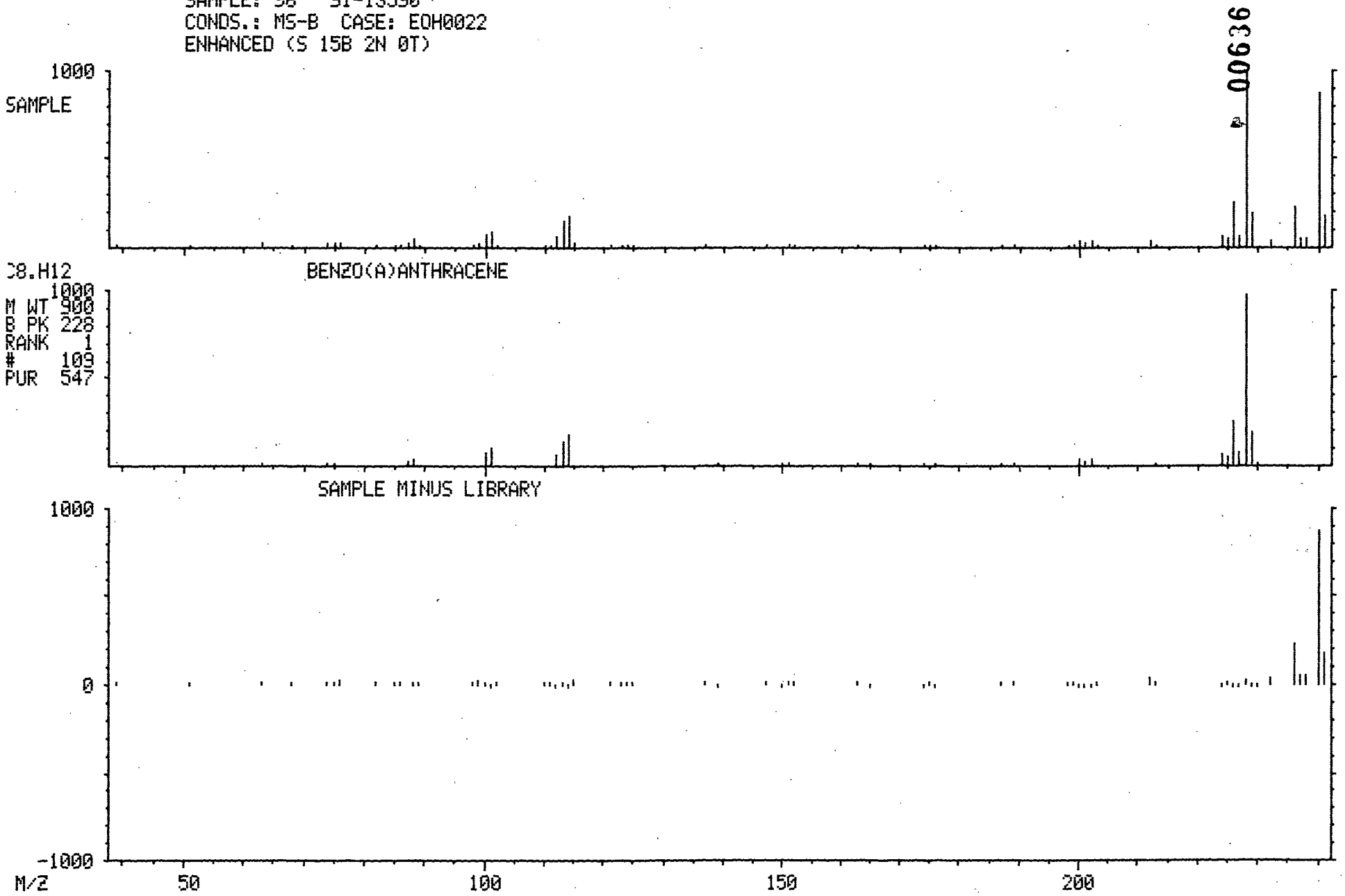
BASE M/Z: 228
RIC: 20576.



00635

MID LIBRARY SEARCH
06/16/91 1:56:00 + 29:14
SAMPLE: S6 91-13590
CONDS.: MS-B CASE: EQH0022
ENHANCED (S 15B 2N 0T)

DATA: AD35S13590 #1818 BASE M/Z: 228
CALI: AD35S13590 # 2 RIC: 20223.

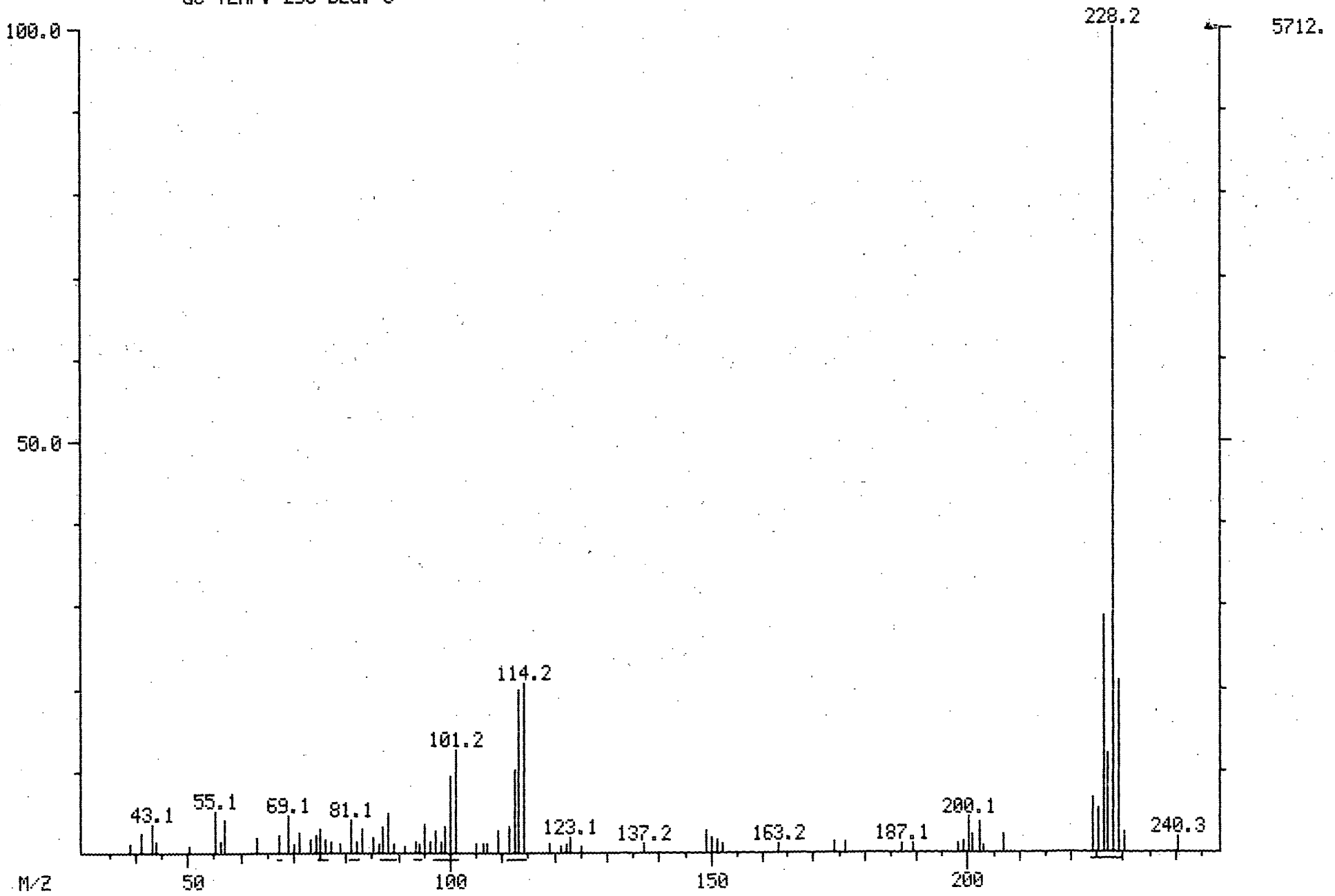


MID MASS SPECTRUM
06/16/91 1:56:00 + 29:19
SAMPLE: S6 91-13590
CONDS.: MS-B CASE: EOH0022
GC TEMP: 298 DEG. C

DATA: AD35S13590 #1824
CALI: AD35S13590 #2

BASE M/Z: 228
RIC: 21344.

00637

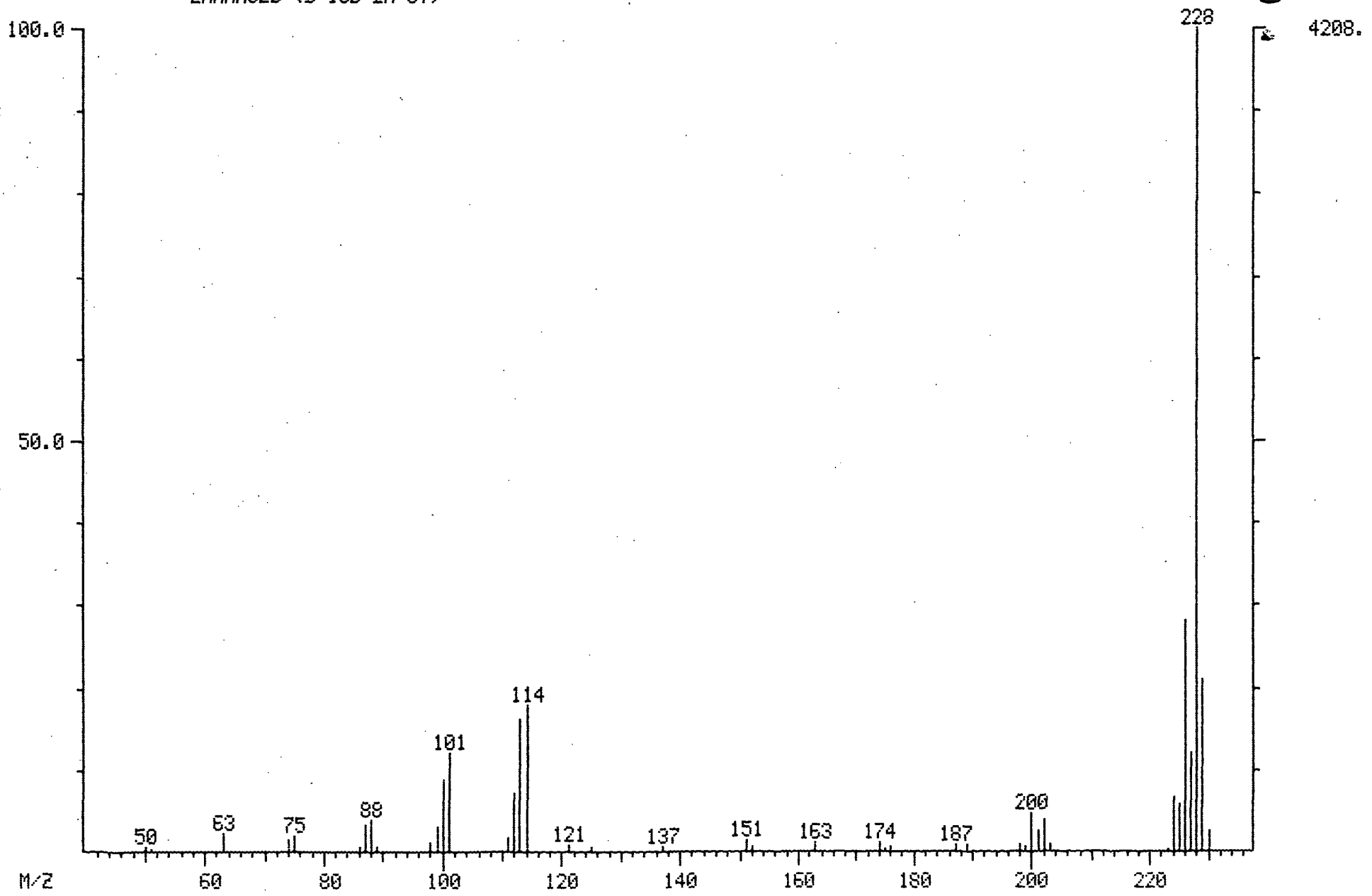


MID MASS SPECTRUM
06/16/91 1:56:00 + 29:19
SAMPLE: S6 91-13590
CONDS.: MS-B CASE: EOH0022
GC TEMP: 298 DEG. C
ENHANCED (S 15B 2N 0T)

DATA: AD35513590 #1824
CALI: AD35513590 #2

BASE M/Z: 228
RIC: 11888.

00638

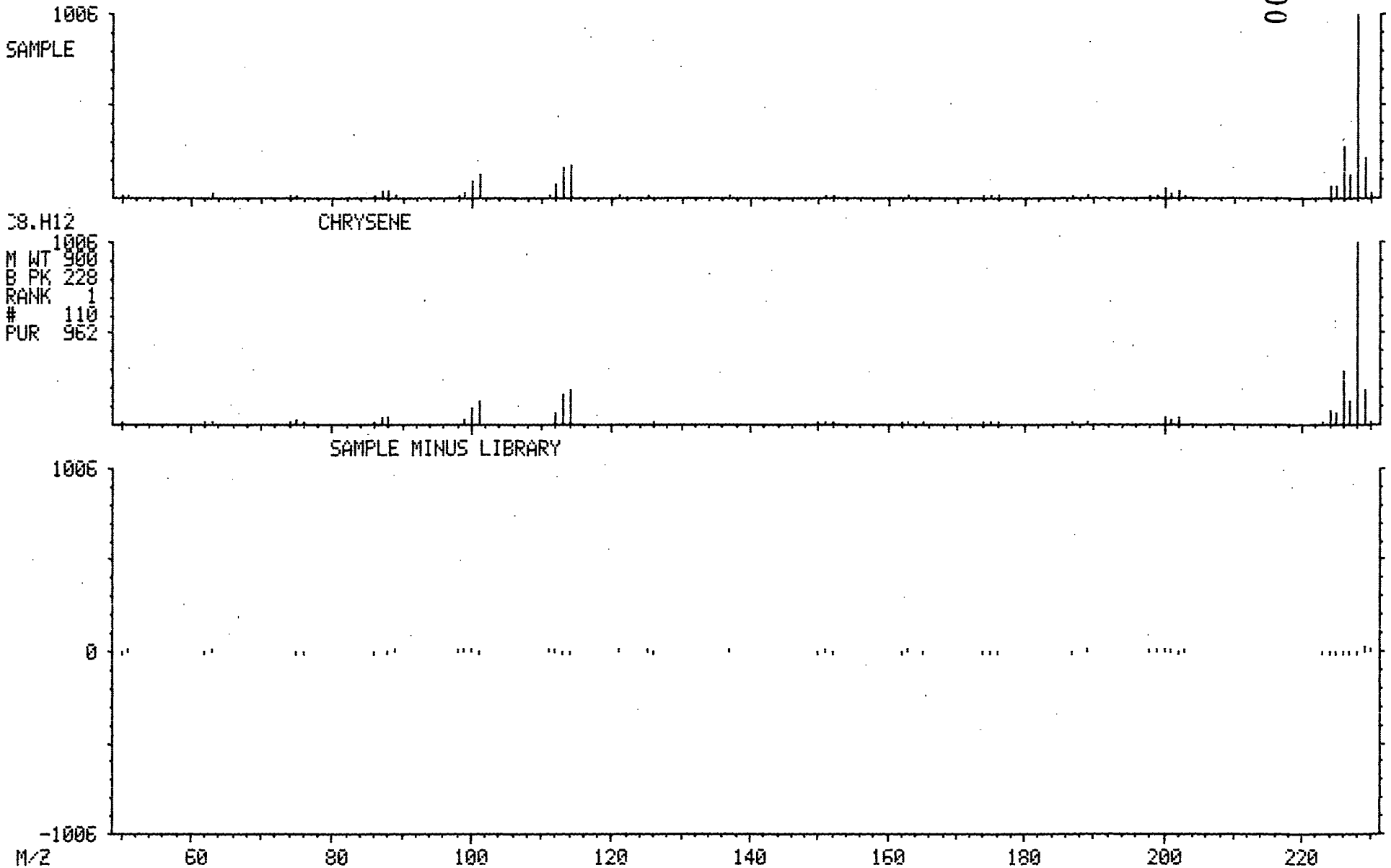


MID LIBRARY SEARCH
06/16/91 1:56:00 + 29:19
SAMPLE: S6 91-13590
CONDS.: MS-B CASE: EOH0022
ENHANCED (S 15B 2N 0T)

DATA: AD35S13590 #1824
CALI: AD35S13590 # 2

BASE M/Z: 228
RIC: 11887.

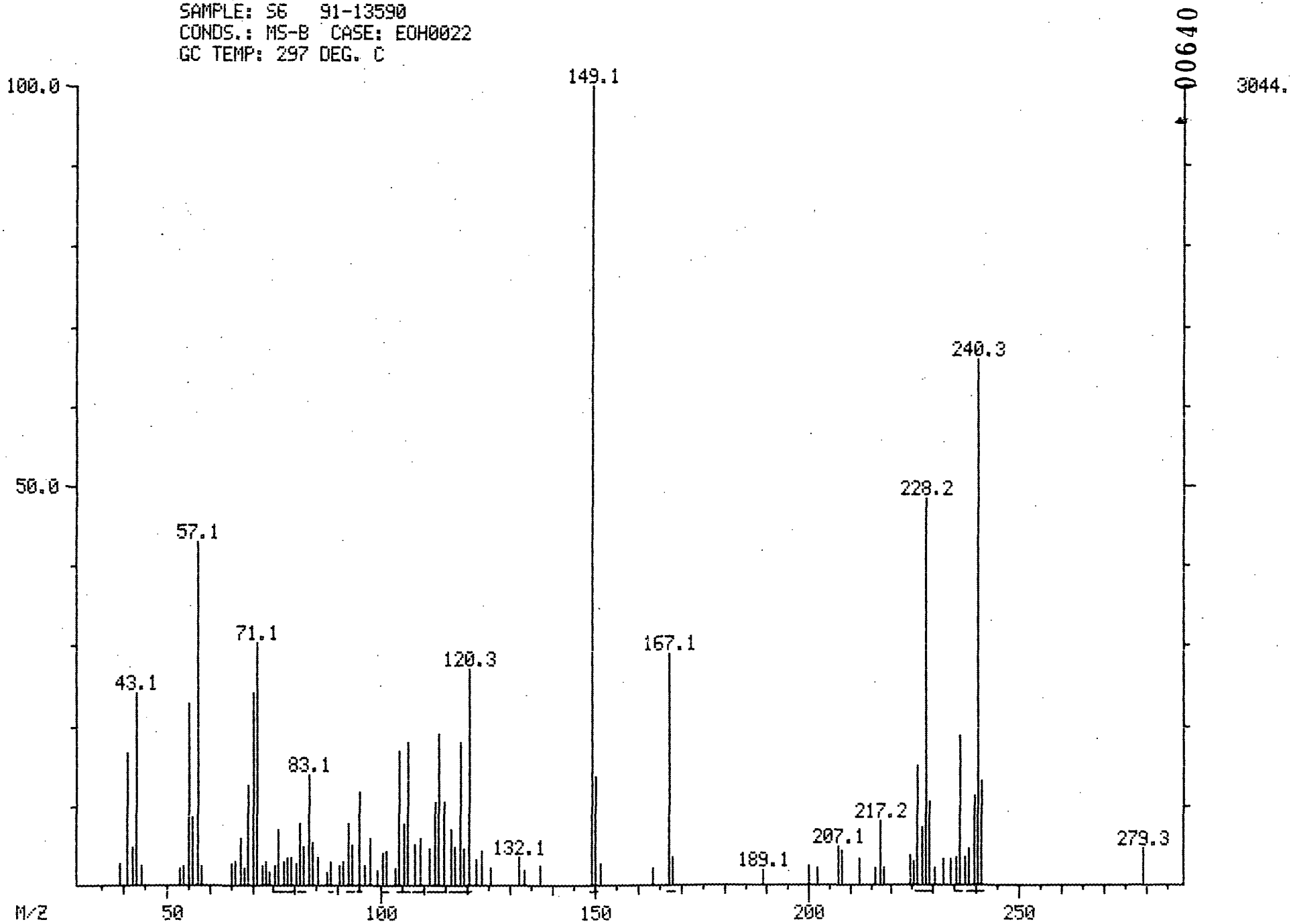
00639



MID MASS SPECTRUM
06/16/91 1:56:00 + 29:17
SAMPLE: S6 91-13590
CONDS.: MS-B CASE: EOH0022
GC TEMP: 297 DEG. C

DATA: AD35S13590 #1821
CALI: AD35S13590 #2

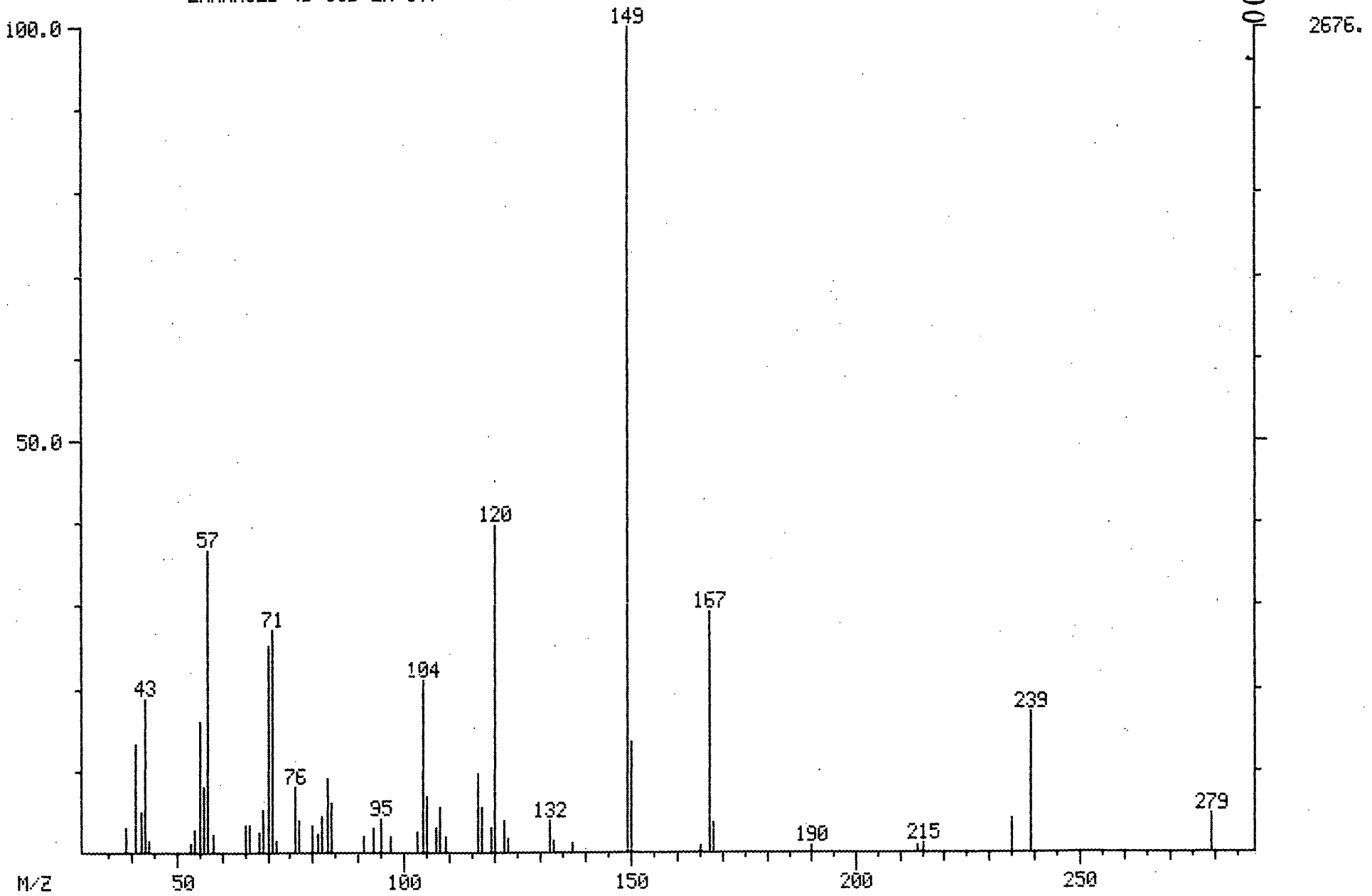
BASE M/Z: 149
RIC: 27904.



MID MASS SPECTRUM
06/16/91 1:56:00 + 29:17
SAMPLE: S6 91-13590
CONDS.: MS-B CASE: EOH0022
GC TEMP: 297 DEG. C
ENHANCED (S 15B 2N 0T)

DATA: AD35513590 #1821
CALI: AD35513590 #2

BASE M/Z: 149
RIC: 13712.

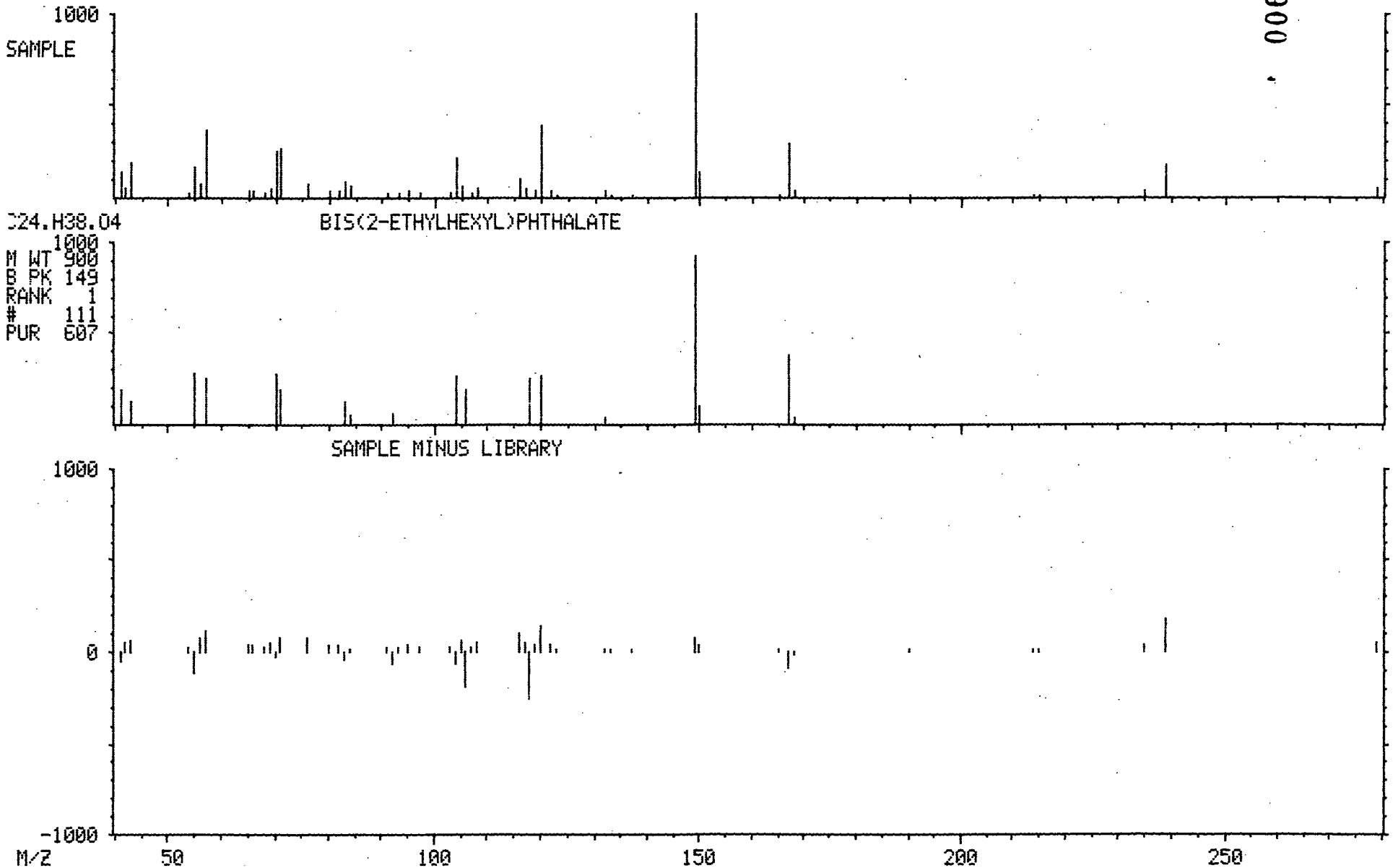


00641

MID LIBRARY SEARCH
06/16/91 1:56:00 + 29:17
SAMPLE: S6 91-13590
CONDS.: MS-B CASE: EOH0022
ENHANCED (S 15B 2N 0T)

DATA: AD35S13590 #1821 BASE M/Z: 149
CALI: AD35S13590 # 2 RIC: 13231.

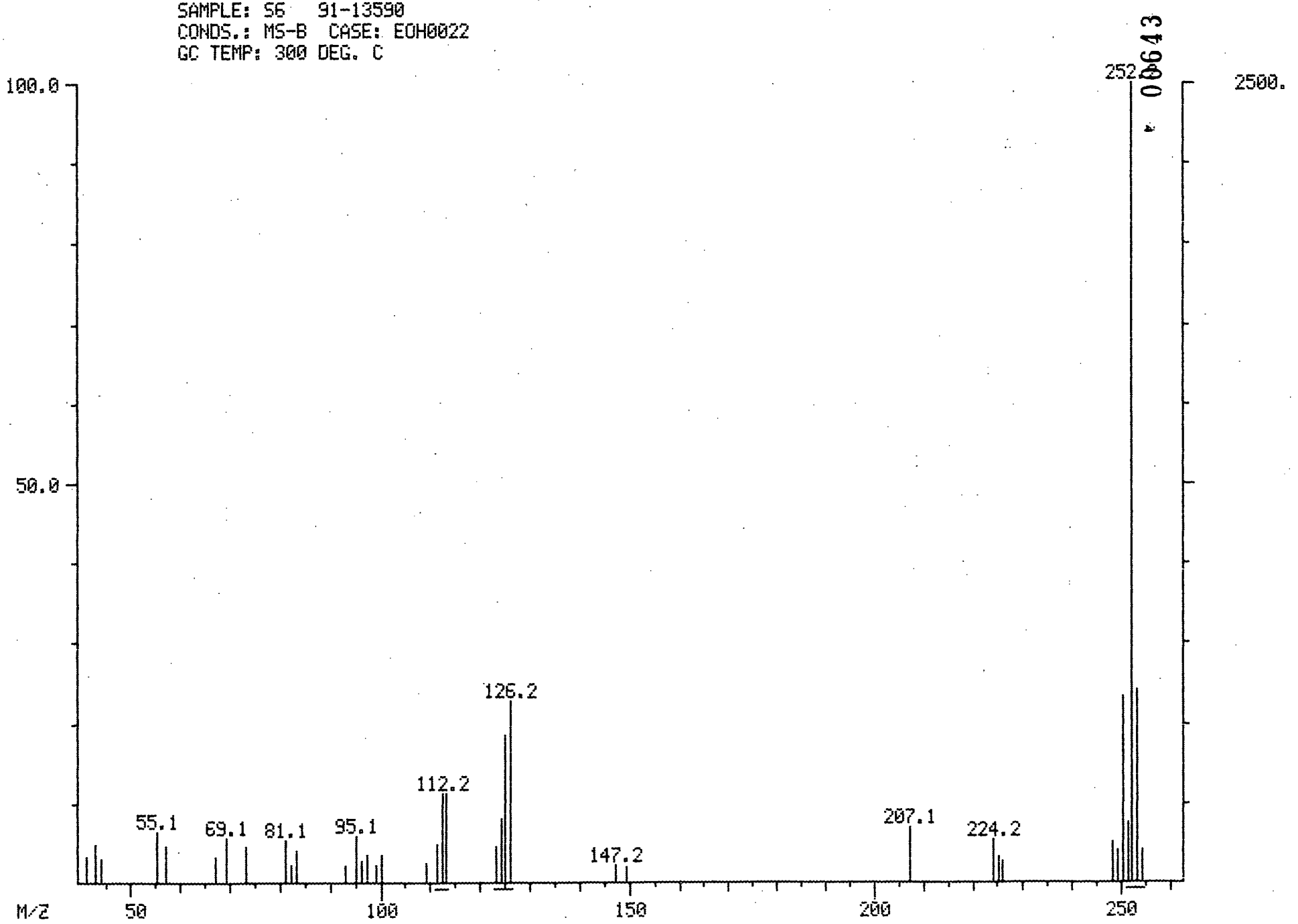
00642



MID MASS SPECTRUM
06/16/91 1:56:00 + 32:30
SAMPLE: S6 91-13590
CONDS.: MS-B CASE: EOH0022
GC TEMP: 300 DEG. C

DATA: AD35513590 #2022
CALI: AD35513590 #2

BASE M/Z: 252
RIC: 8560.



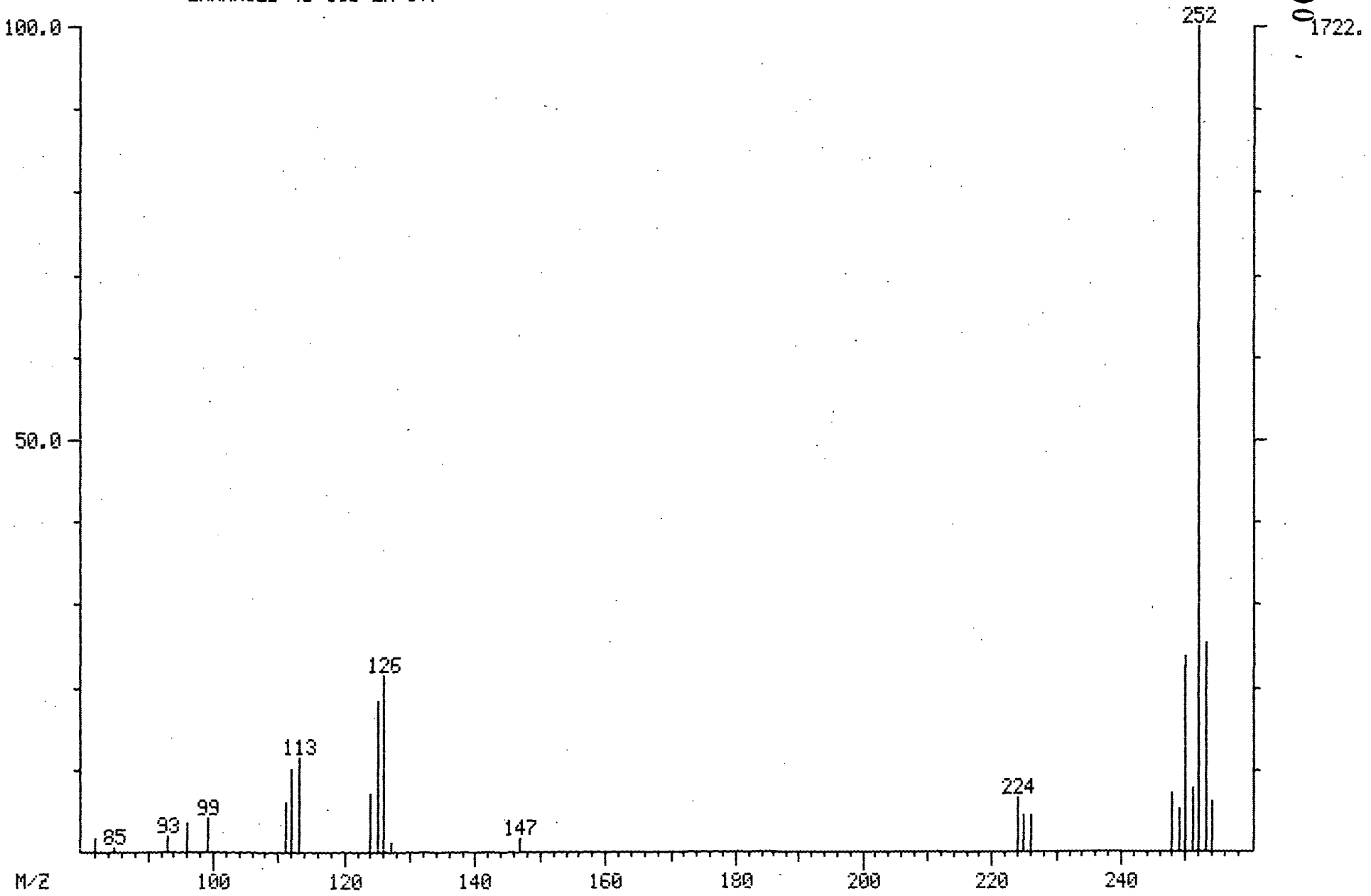
00643

MID MASS SPECTRUM
06/16/91 1:56:00 + 32:30
SAMPLE: S6 91-13590
CONDS.: MS-B CASE: EOH0022
GC TEMP: 300 DEG. C
ENHANCED (S 15B 2N 0T)

DATA: AD35S13590 #2022
CALI: AD35S13590 #2

BASE M/Z: 252
RIC: 4832.

00644

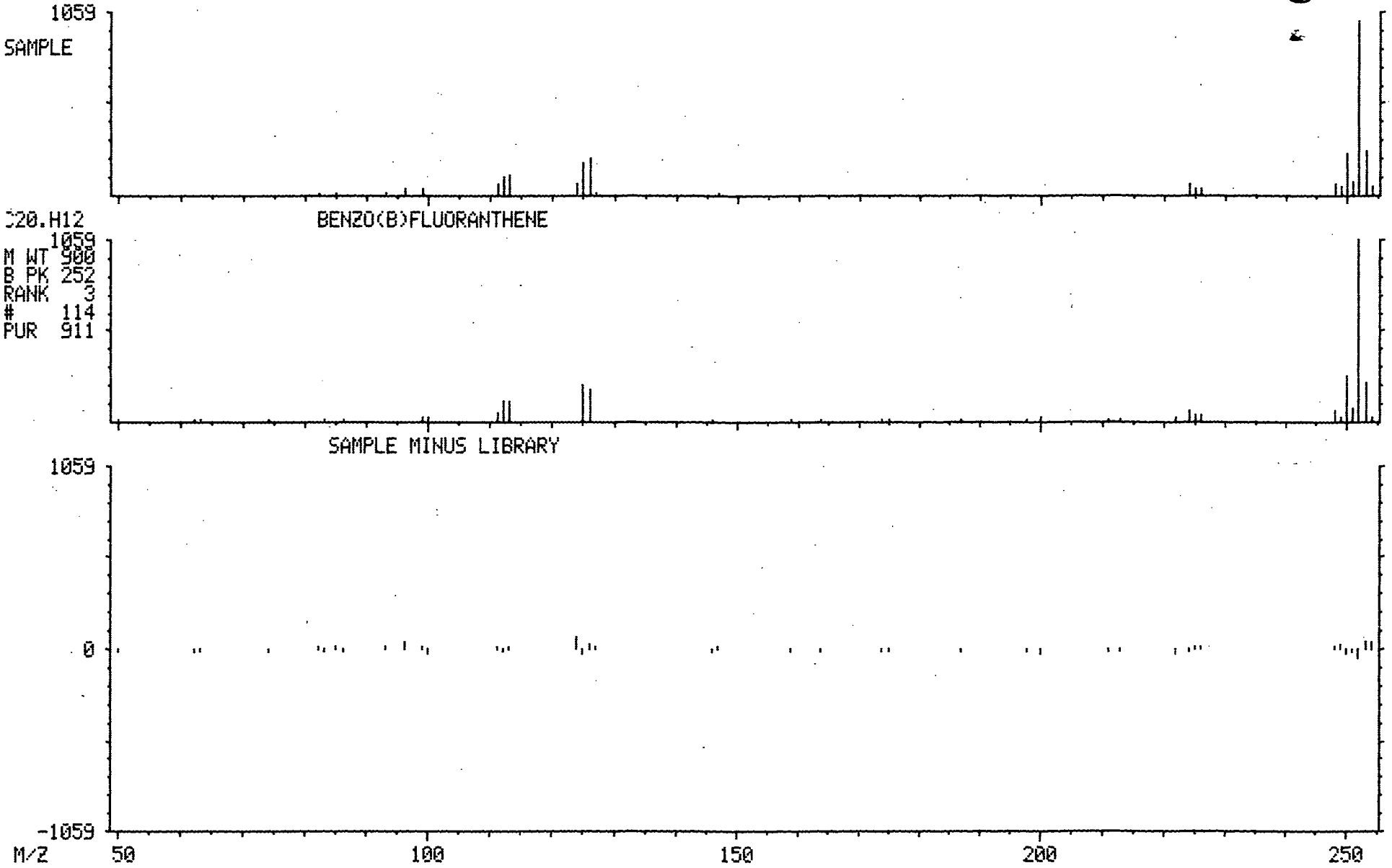


MID LIBRARY SEARCH
06/16/91 1:56:00 + 32:30
SAMPLE: S6 91-13590
CONDS.: MS-B CASE: EOH0022
ENHANCED (S 15B 2N 0T)

DATA: AD35513590 #2022
CALI: AD35513590 # 2

BASE M/Z: 252
RIC: 4831.

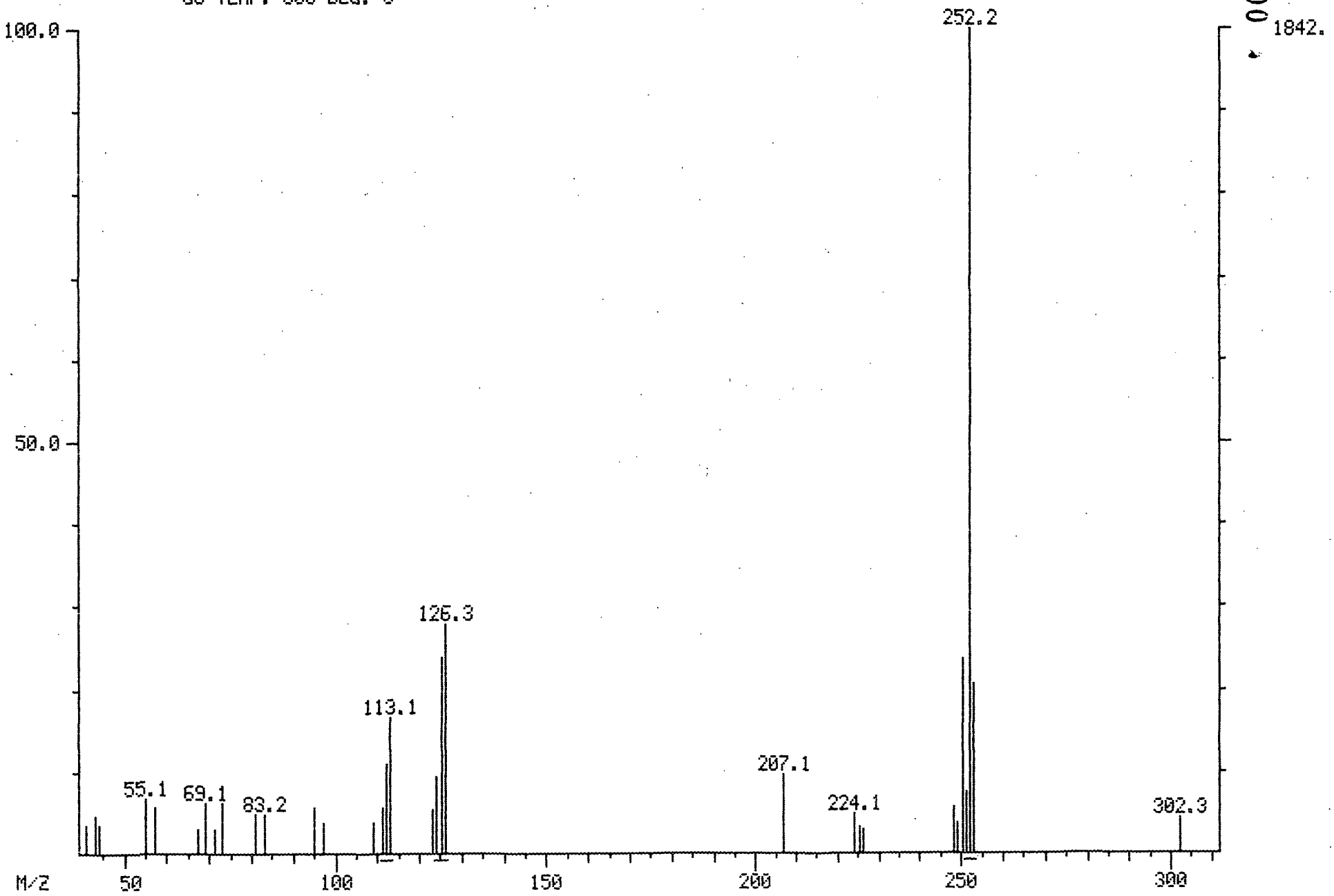
00645



MID MASS SPECTRUM
06/16/91 1:56:00 + 33:49
SAMPLE: S6 91-13590
CONDS.: MS-B CASE: EDH0022
GC TEMP: 300 DEG. C

DATA: AD35513590 #2103
CALI: AD35513590 #2

BASE M/Z: 252
RIC: 6480.



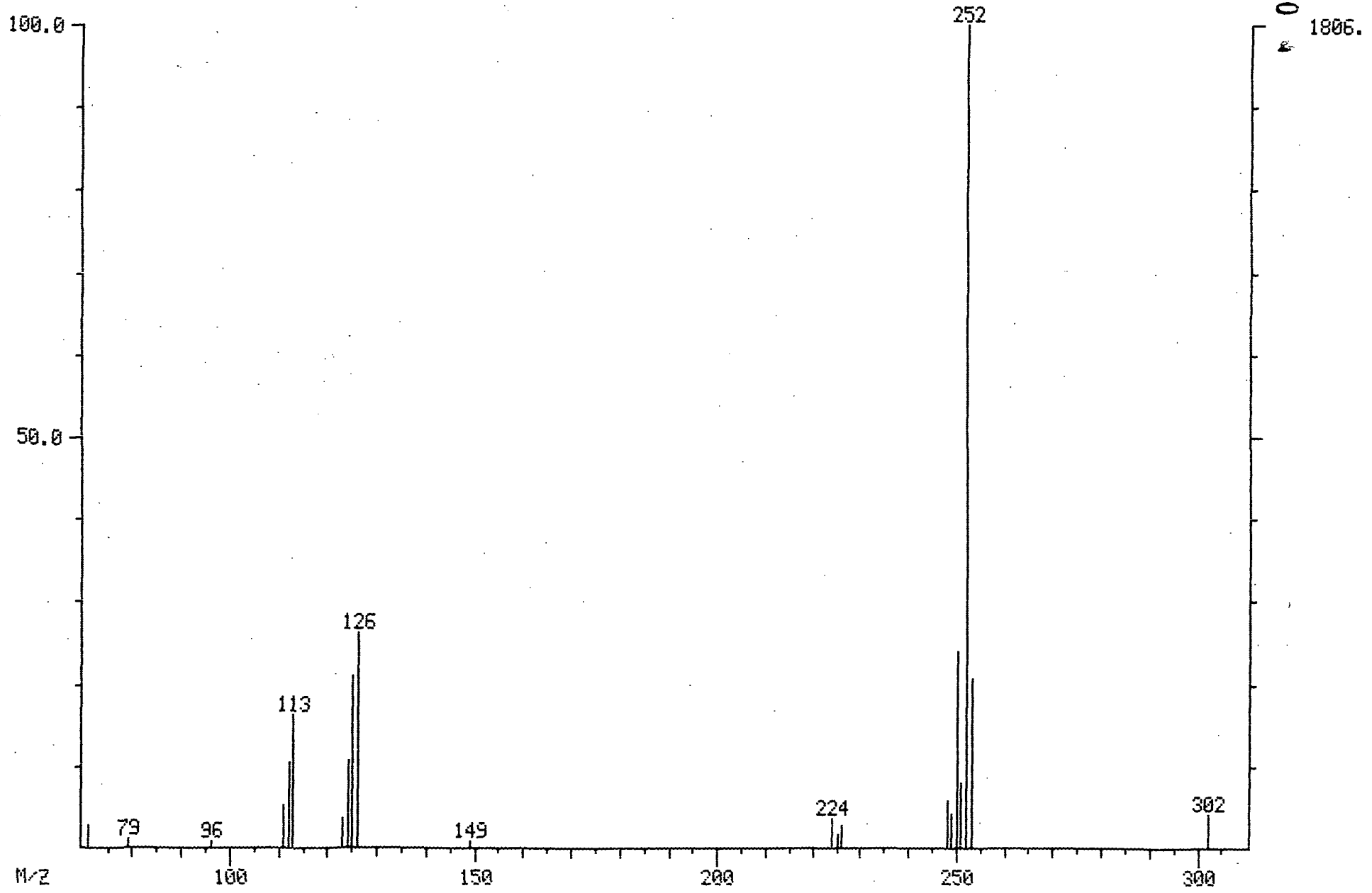
00646

MID MASS SPECTRUM
06/16/91 1:56:00 + 33:49
SAMPLE: S6 91-13590
CONDS.: MS-B CASE: EOH0022
GC TEMP: 300 DEG. C
ENHANCED (S 15B 2N 0T)

DATA: AD35S13590 #2103
CALI: AD35S13590 #2

BASE M/Z: 252
RIC: 4968.

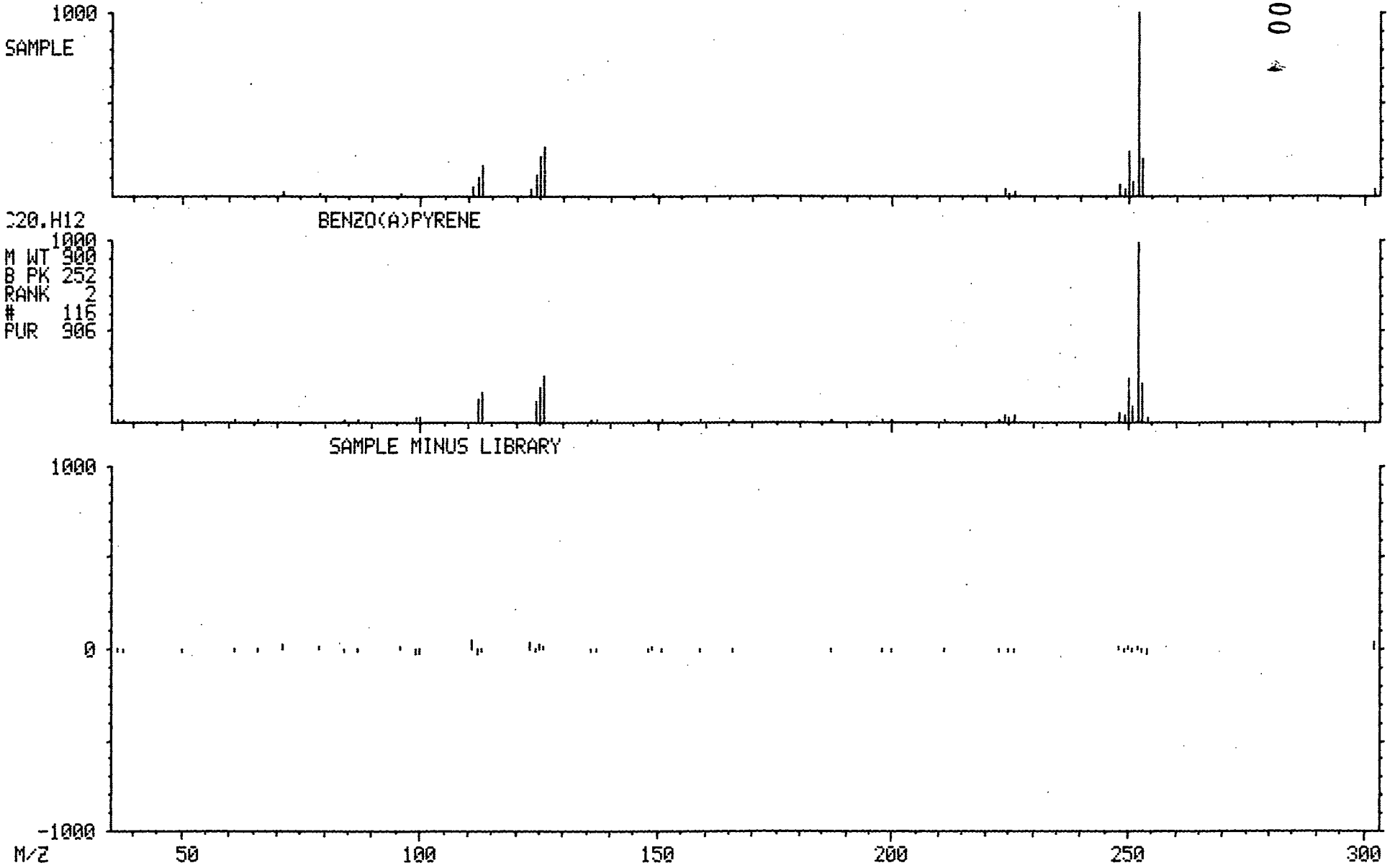
00647



MID LIBRARY SEARCH
06/16/91 1:56:00 + 33:49
SAMPLE: S6 91-13590
CONDS.: MS-B CASE: EOH0022
ENHANCED (S 15B 2N 0T)

DATA: AD35S13590 #2103 BASE M/Z: 252
CALI: AD35S13590 # 2 RIC: 4967.

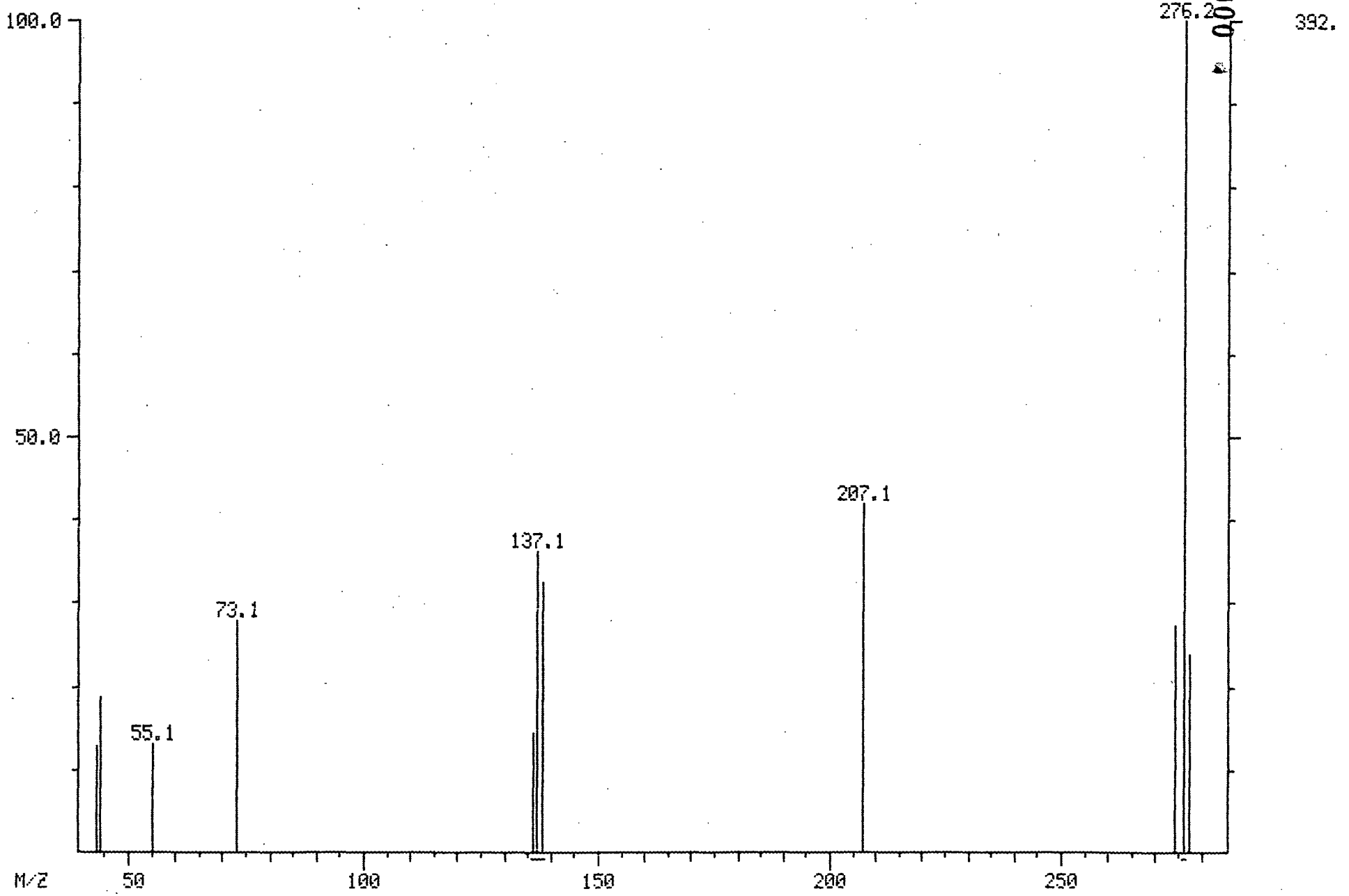
00648



MID MASS SPECTRUM
06/16/91 1:56:00 + 41:26
SAMPLE: S6 91-13590
CONDS.: MS-B CASE: EOH0022
GC TEMP: 300 DEG. C

DATA: AD35S13590 #2577
CALI: AD35S13590 #2

BASE M/Z: 276
RIC: 1370.



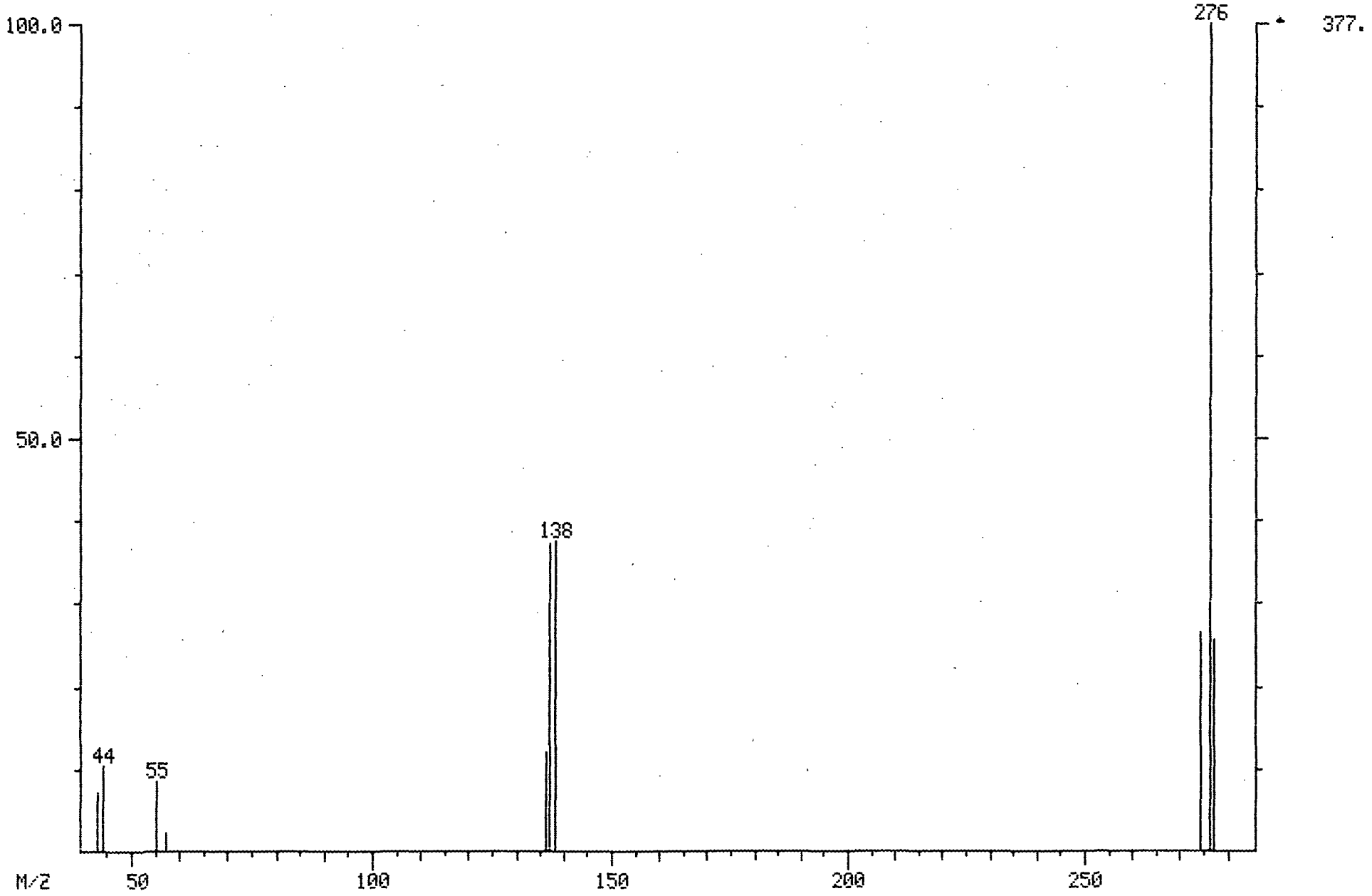
00619

MID MASS SPECTRUM
06/16/91 1:56:00 + 41:26
SAMPLE: S6 91-13590
CONDS.: MS-B CASE: EOH0022
GC TEMP: 300 DEG. C
ENHANCED (S 15B 2N 0T)

DATA: AD35S13590 #2577
CALI: AD35S13590 #2

BASE M/Z: 276
RIC: 1010.

00650

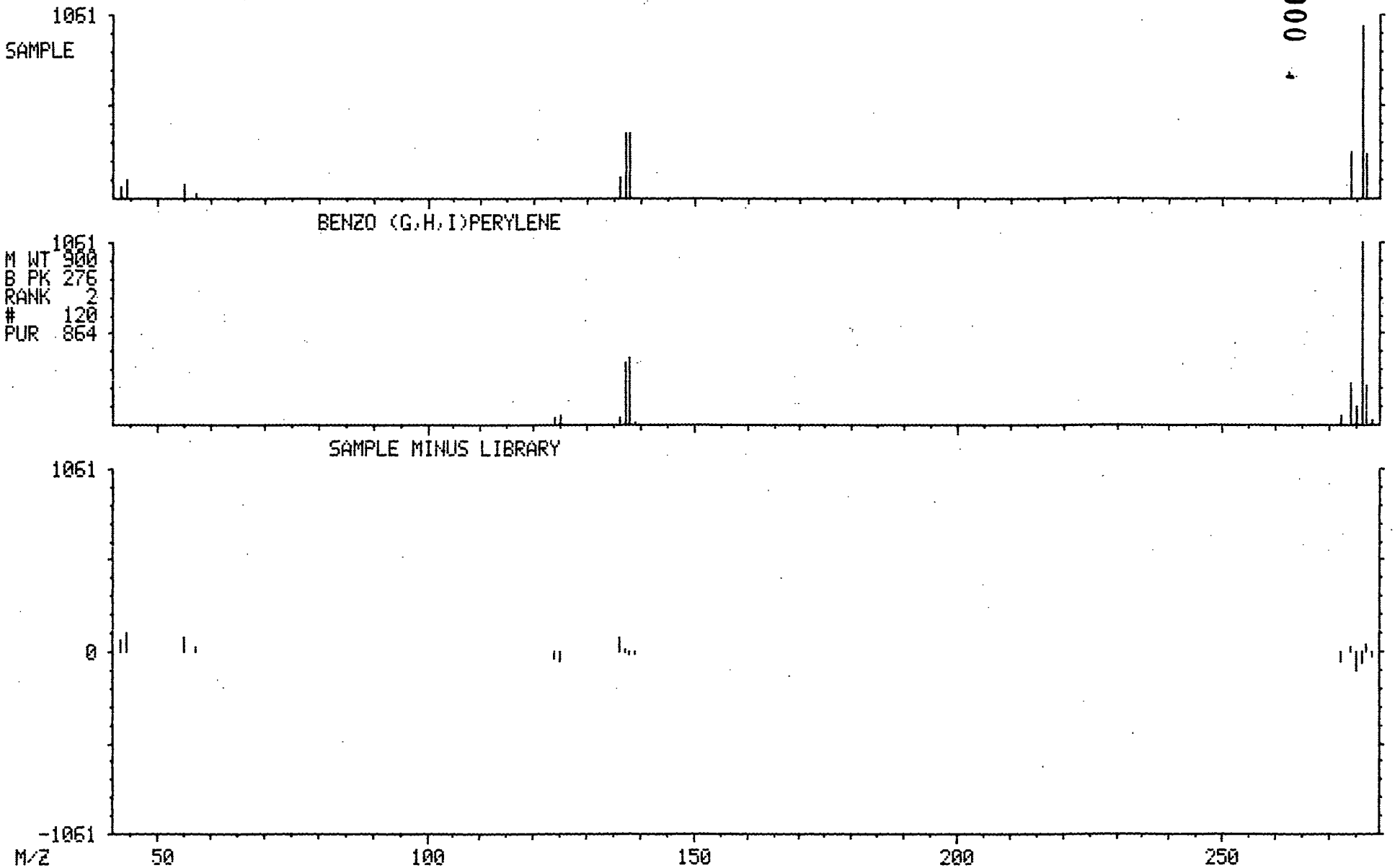


MID LIBRARY SEARCH
06/16/91 1:56:00 + 41:26
SAMPLE: S6 91-13590
CONDS.: MS-B CASE: EOH0022
ENHANCED (S 15B 2N 0T)

DATA: AD35513590 #2577
CALI: AD35513590 # 2

BASE M/Z: 276
RIC: 1009.

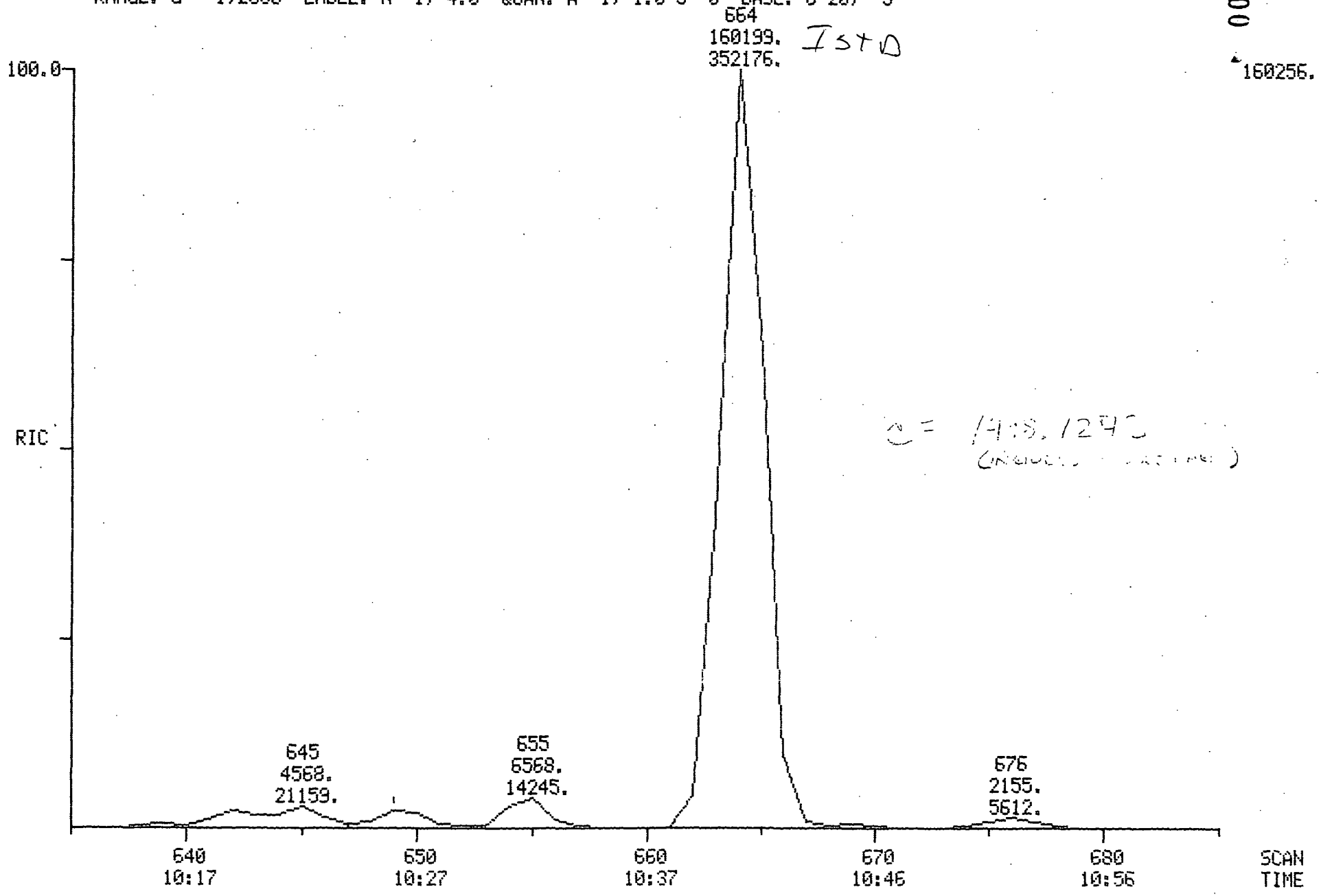
00651



MIDRIC
06/16/91 1:56:00
SAMPLE: S6 91-13590
CONDS.: MS-B CASE: EOH0022
RANGE: G 1,2800 LABEL: N 1, 4.0 QUAN: A 1, 1.0 J 0 BASE: U 20, 3

DATA: AD35513590 #1 SCANS 635 TO 685
CALI: AD35513590 #2

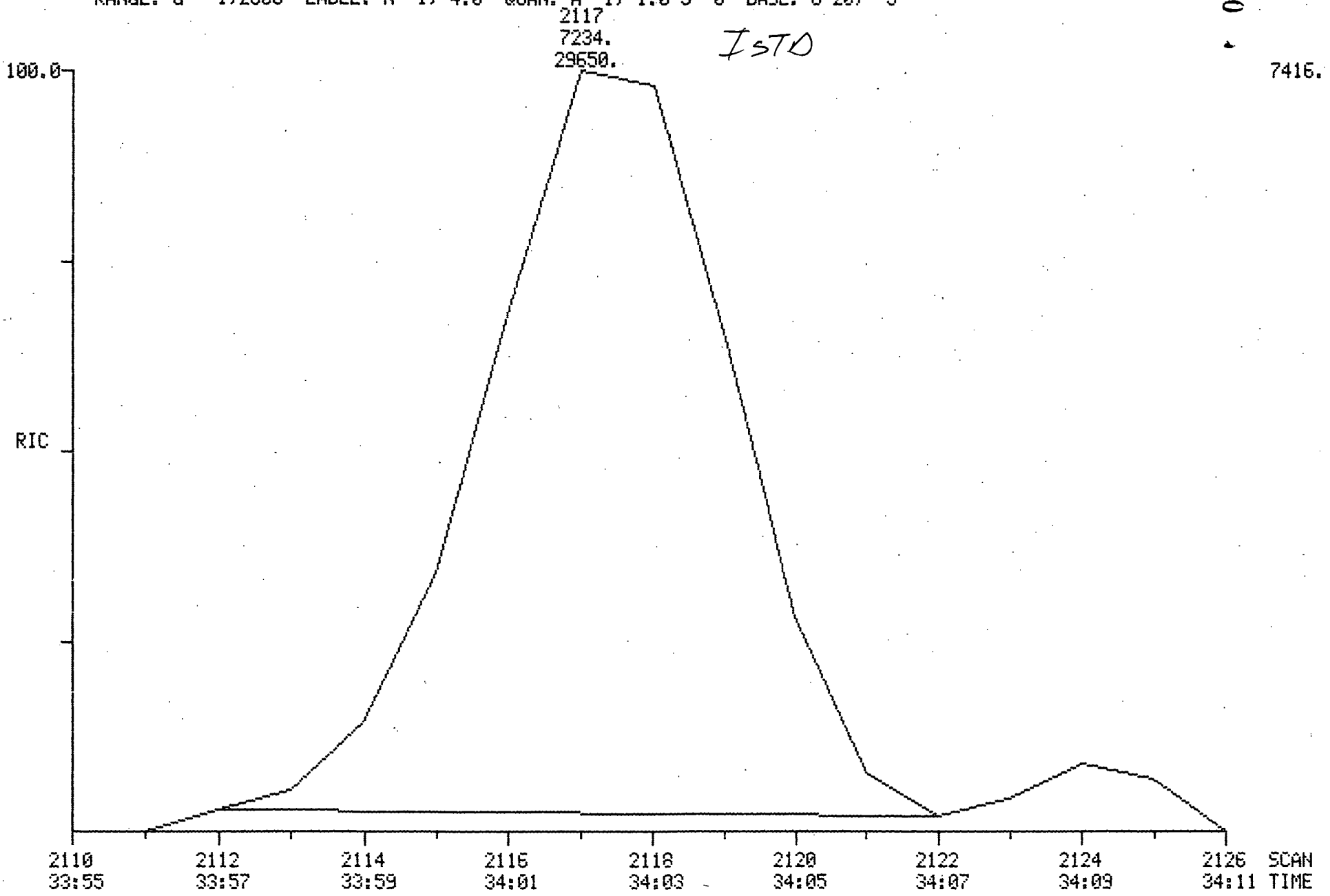
00652



MIDRIC
06/16/91 1:56:00
SAMPLE: S6 91-13590
CONDS.: MS-B CASE: EOH0022
RANGE: G 1,2800 LABEL: N 1, 4.0 QUAN: A 1, 1.0 J 0 BASE: U 20, 3

DATA: AD35513590 #1 SCANS 2110 TO 2126
CALI: AD35513590 #2

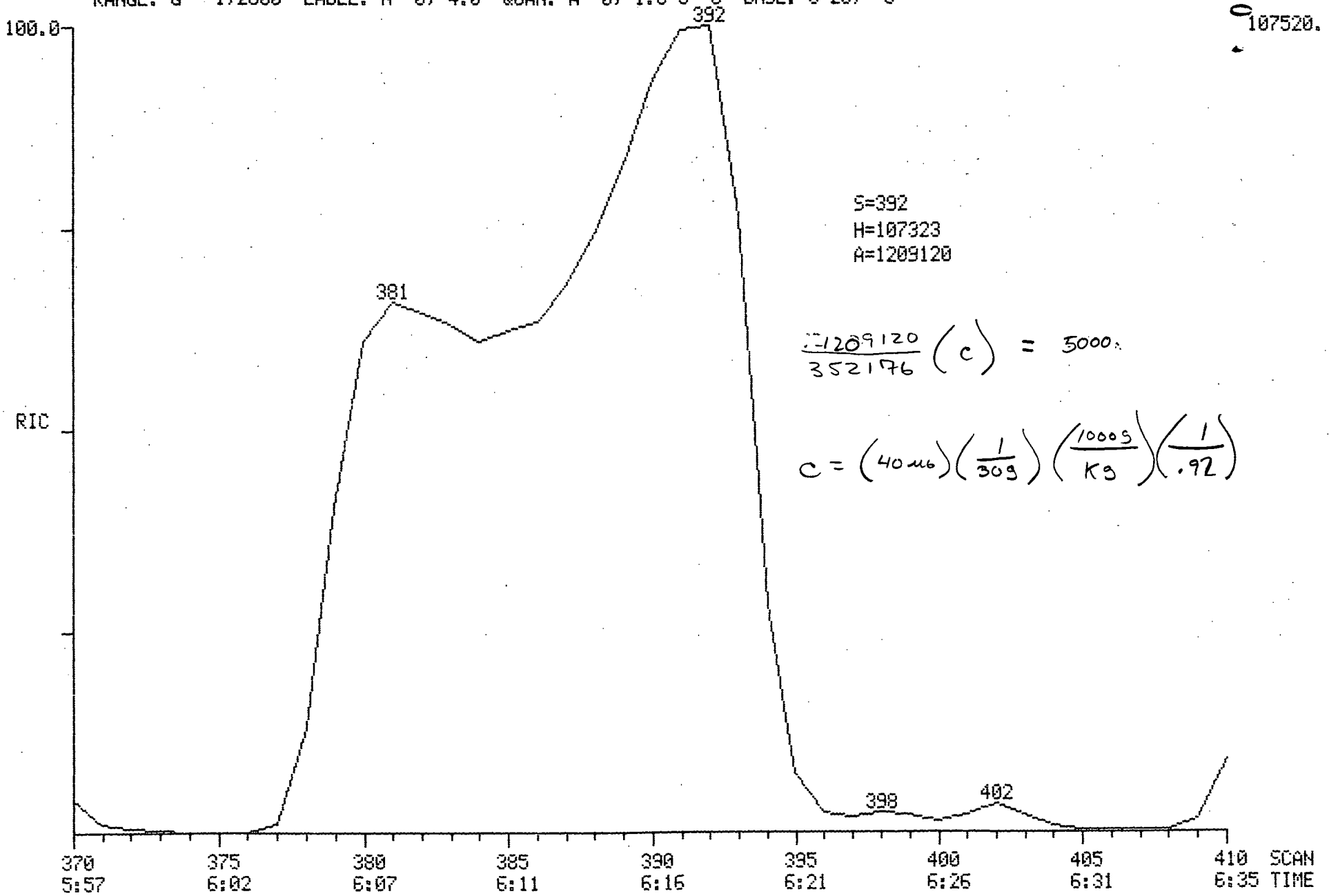
00653



MIDRIC
06/16/91 1:56:00
SAMPLE: S6 91-13590
CONDS.: MS-B CASE: EOH0022
RANGE: G 1.2800 LABEL: N 0, 4.0 QUAN: A 0, 1.0 J 0 BASE: U 20, 3

DATA: AD35513590 #1 SCANS 370 TO 410
CALI: AD35513590 #2

00654



S=392
H=107323
A=1209120

$\frac{1209120}{352176}(c) = 5000.$

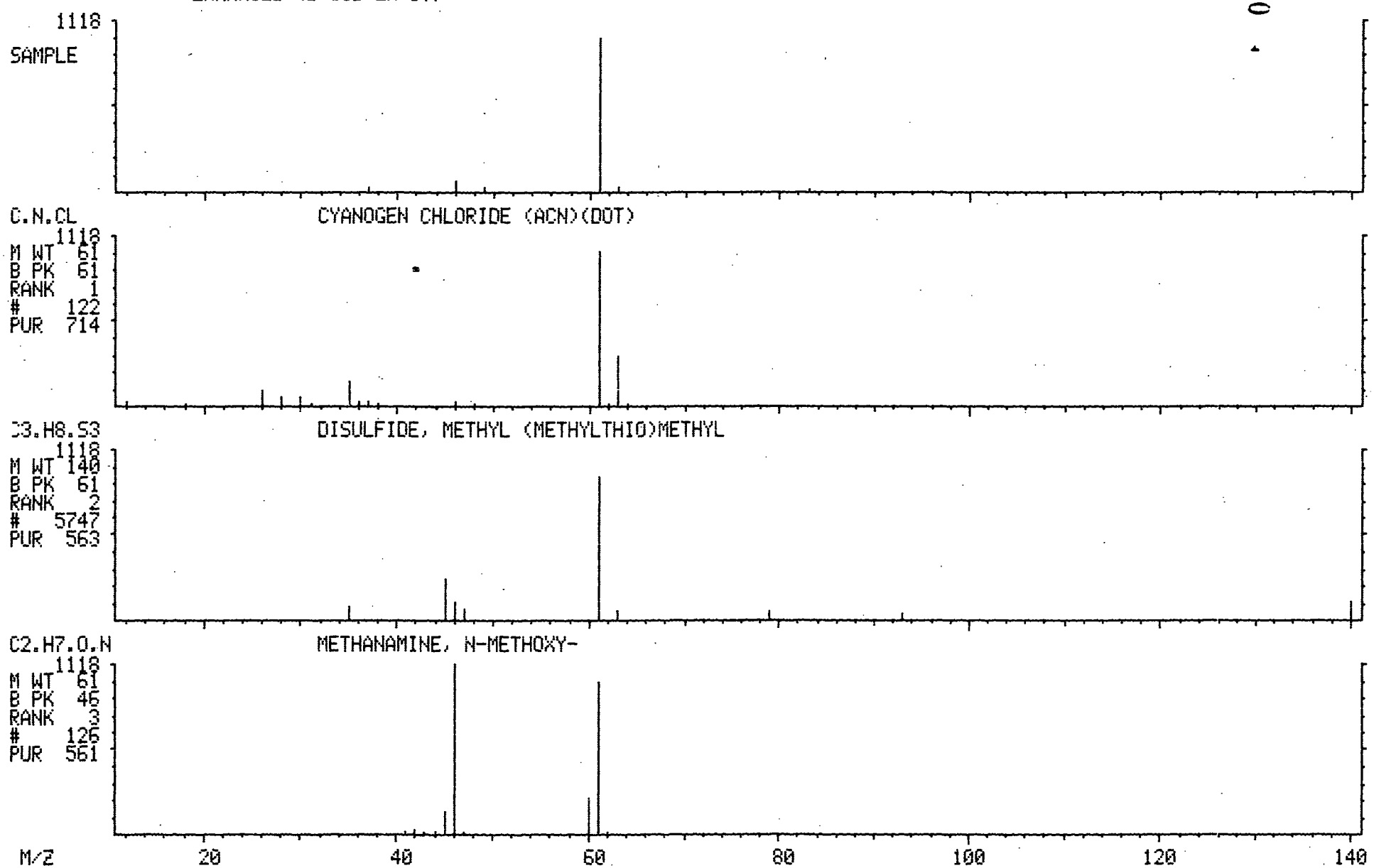
$c = (40\mu g)\left(\frac{1}{30g}\right)\left(\frac{1000g}{Kg}\right)\left(\frac{1}{.92}\right)$

MID LIBRARY SEARCH
06/16/91 1:56:00 + 6:14
SAMPLE: S6 91-13590
CONDS.: MS-B CASE: EOH0022
ENHANCED (S 15B 2N 0T)

DATA: AD35513590 # 388
CALI: AD35513590 # 2

BASE M/Z: 61
RIC: 2259.

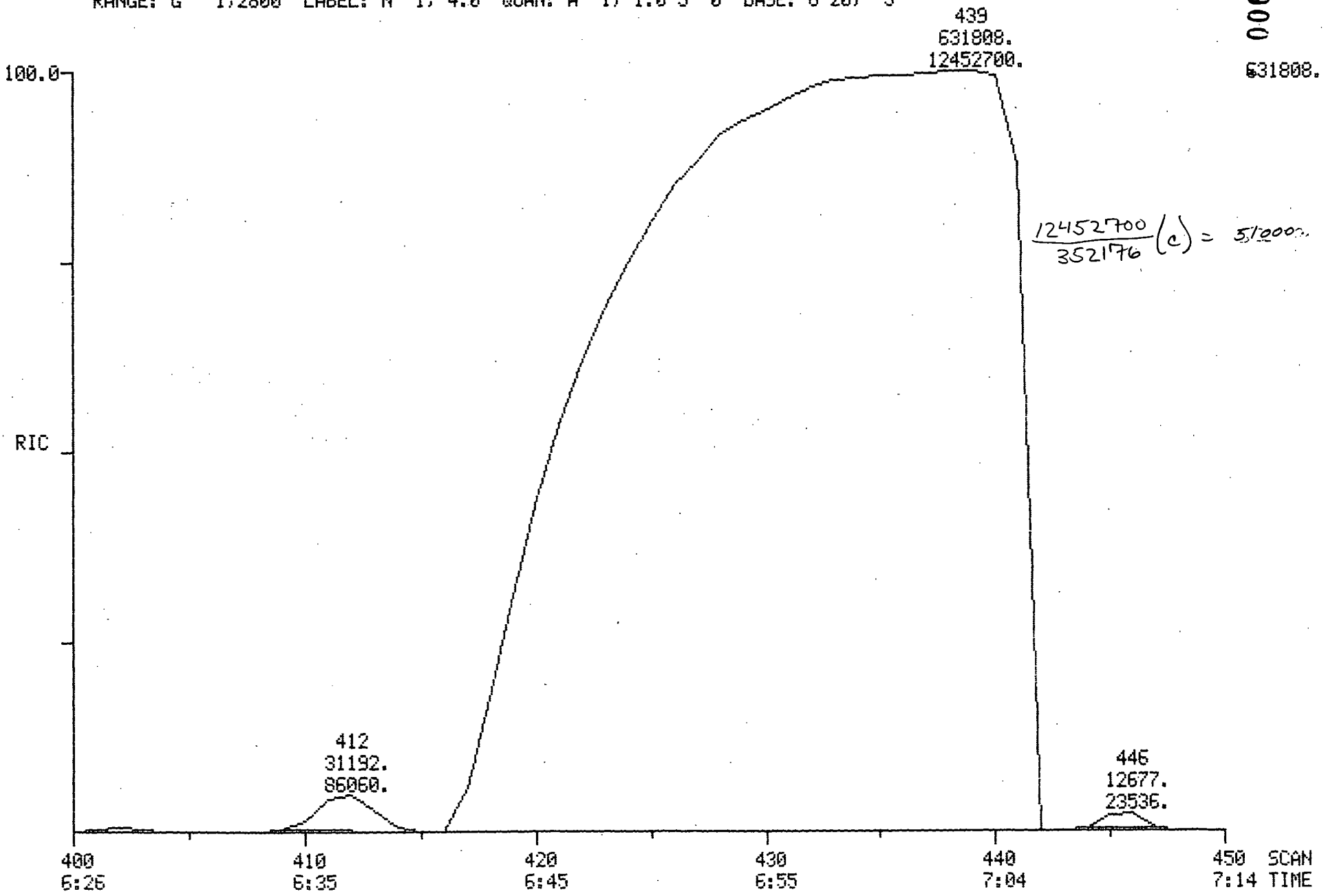
00655



MIDRIC
06/16/91 1:56:00
SAMPLE: S6 91-13590
CONDS.: MS-B CASE: EOH0022
RANGE: G 1,2800 LABEL: N 1, 4.0 QUAN: A 1, 1.0 J 0 BASE: U 20, 3

DATA: AD35513590 #1 SCANS 400 TO 450
CALI: AD35513590 #2

00656

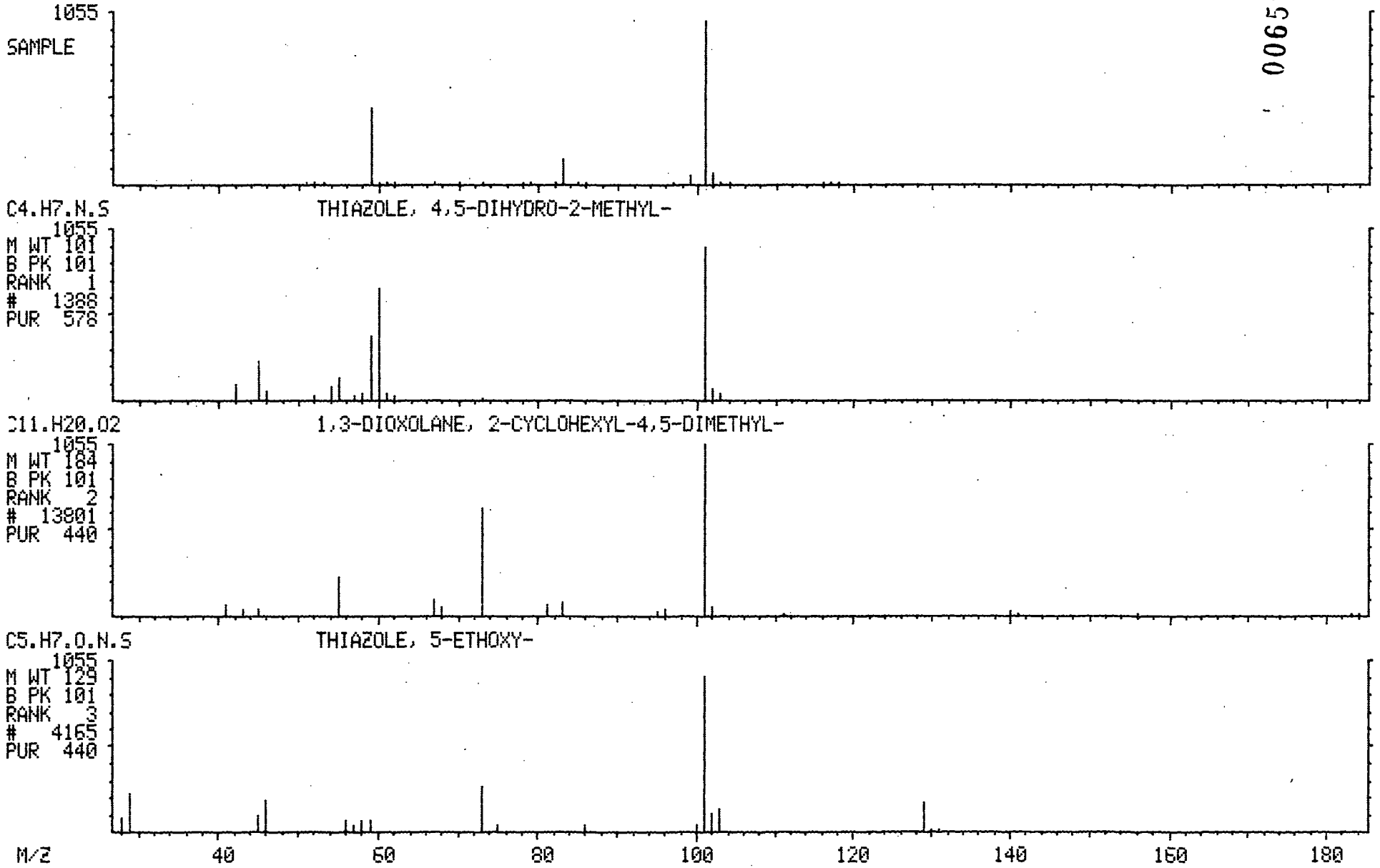


$\frac{12452700}{352176}(c) = 51000$

MID LIBRARY SEARCH
06/16/91 1:56:00 + 7:02
SAMPLE: S6 91-13590
CONDS.: MS-B CASE: EOH0022
ENHANCED (S 15B 2N 0T)

DATA: AD35513590 # 438 BASE M/Z: 101
CALI: AD35513590 # 2 RIC: 145407.

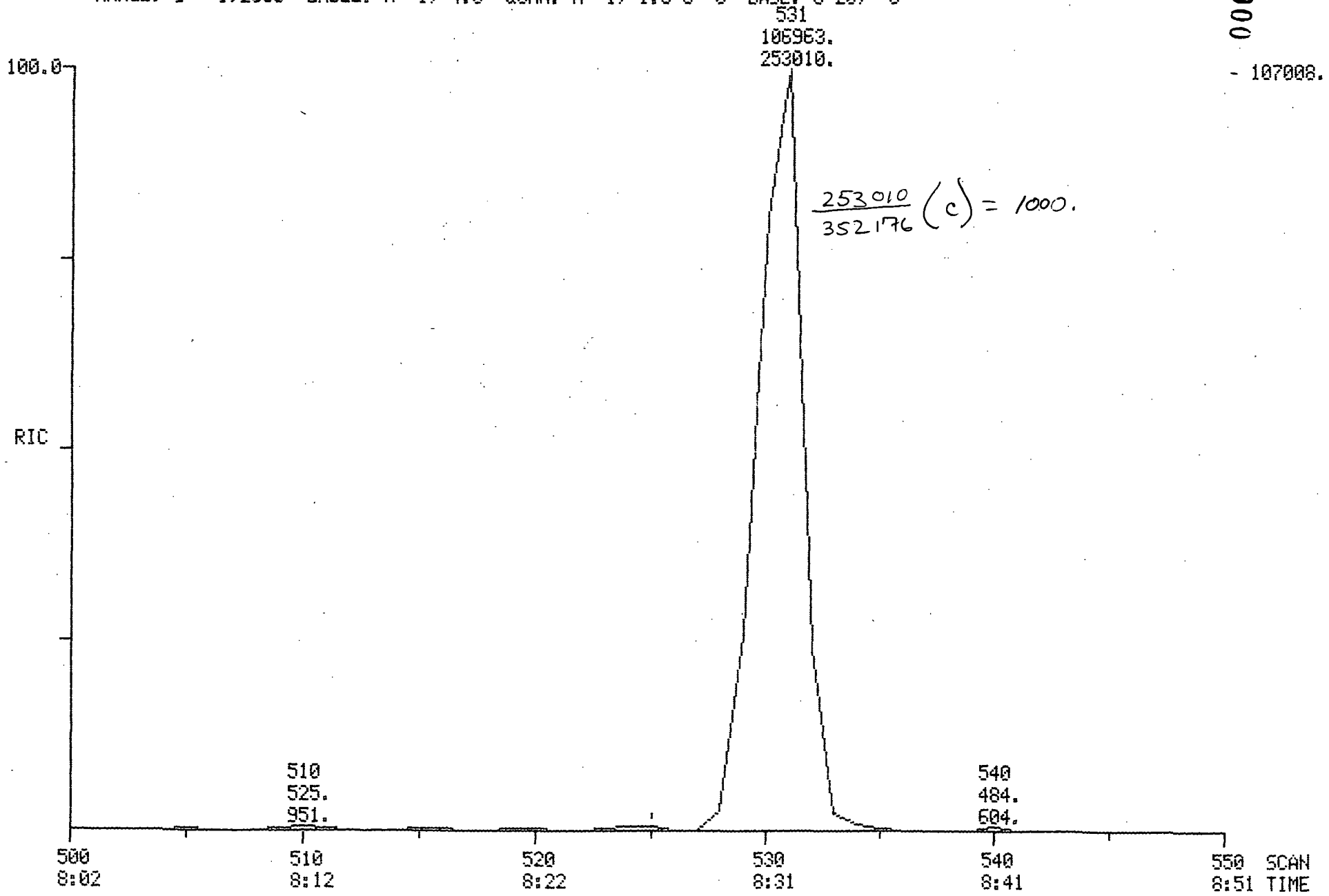
00657



MIDRIC
06/16/91 1:56:00
SAMPLE: S6 91-13590
CONDS.: MS-B CASE: EOH0022
RANGE: G 1,2800 LABEL: N 1, 4.0 QUAN: A 1, 1.0 J 0 BASE: U 20, 3

DATA: AD35513590 #1 SCANS 500 TO 550
CALI: AD35513590 #2

00658



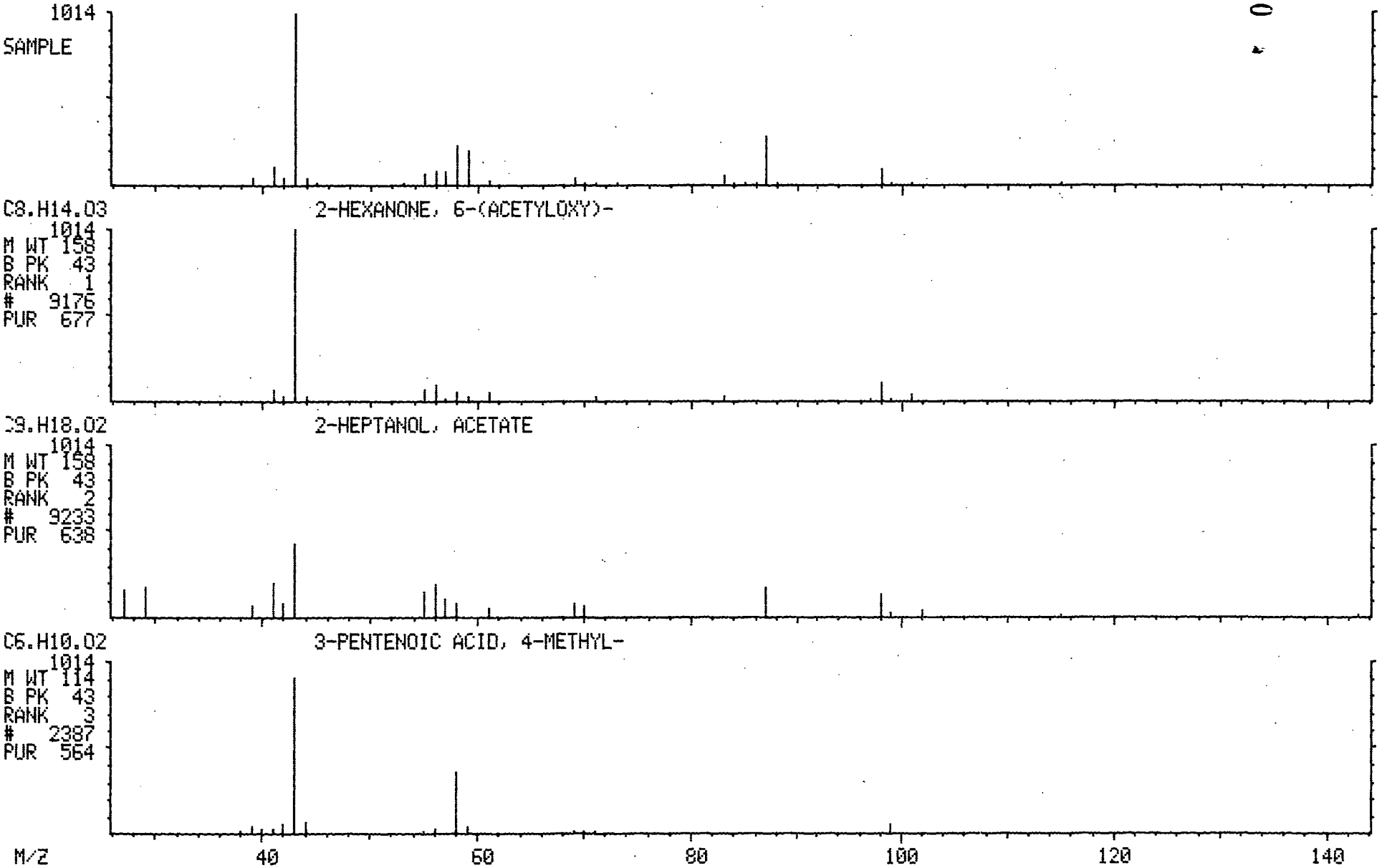
$\frac{253010}{352176}(c) = 1000.$

MID LIBRARY SEARCH
06/16/91 1:56:00 + 8:32
SAMPLE: S6 91-13590
CONDS.: MS-B CASE: EOH0022
ENHANCED (S 15B 2N 0T)

DATA: AD35513590 # 531
CALI: AD35513590 # 2

BASE M/Z: 43
RIC: 87039.

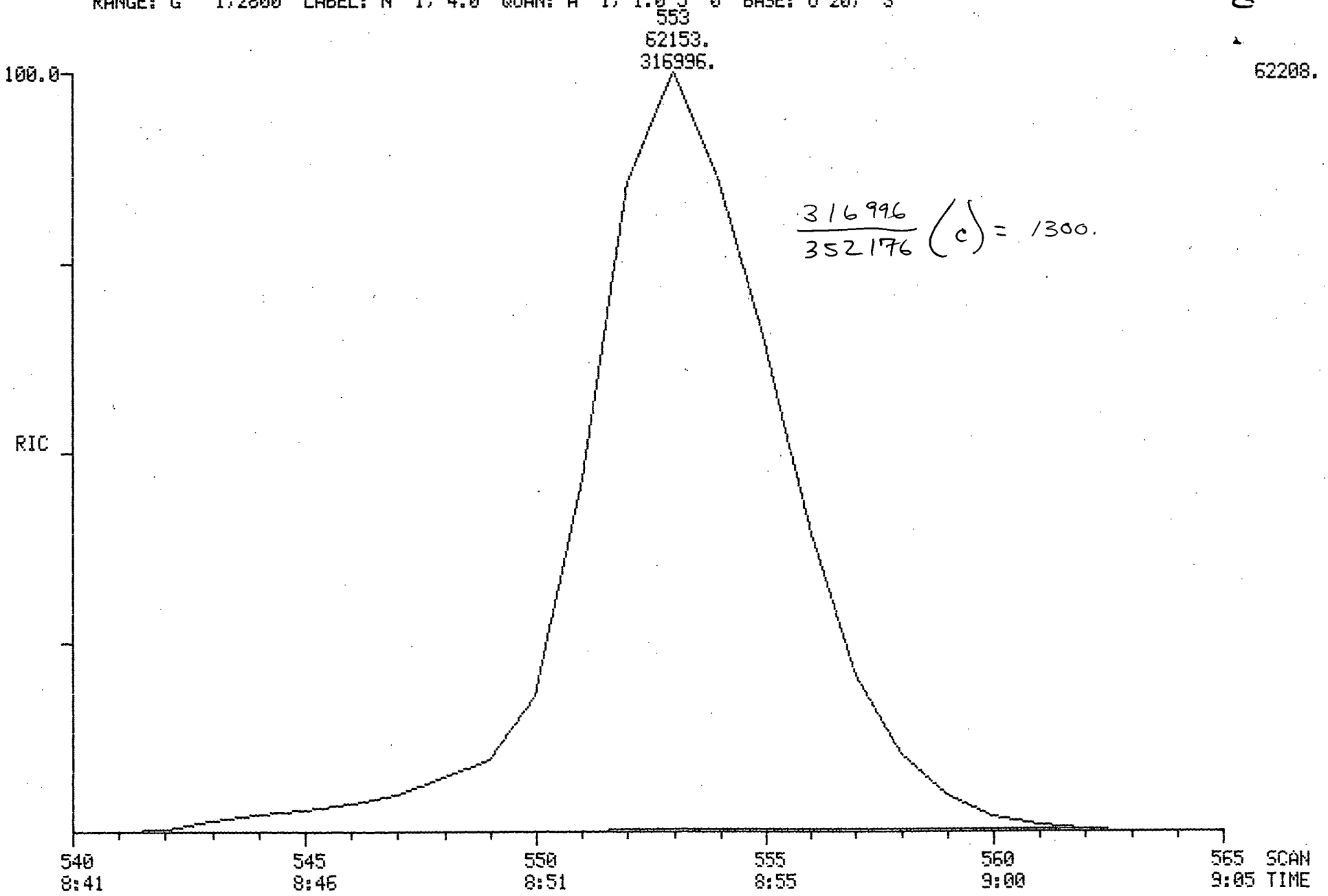
00659



MIDRIC
06/16/91 1:56:00
SAMPLE: S6 91-13590
CONDS.: MS-B CASE: EOH0022
RANGE: G 1,2800 LABEL: N 1, 4.0 QUAN: A 1, 1.0 J 0 BASE: U 20, 3

DATA: AD35513590 #1 SCANS 540 TO 565
CALI: AD35513590 #2

00660

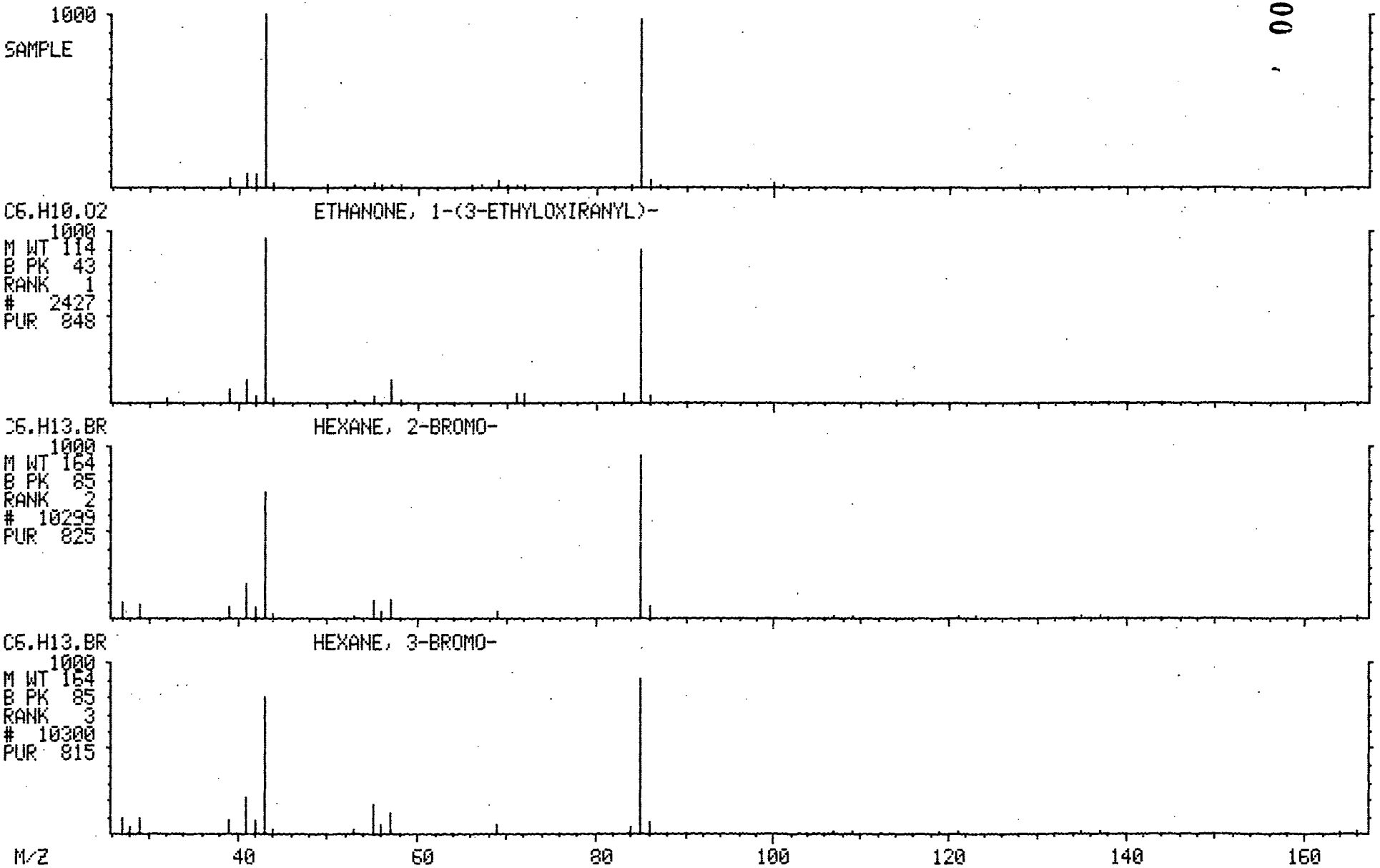


$\frac{316996}{352176}(c) = 1300.$

MID LIBRARY SEARCH
06/16/91 1:56:00 + 8:53
SAMPLE: S6 91-13590
CONDS.: MS-B CASE: EOH0022
ENHANCED (S 15B 2N 0T)

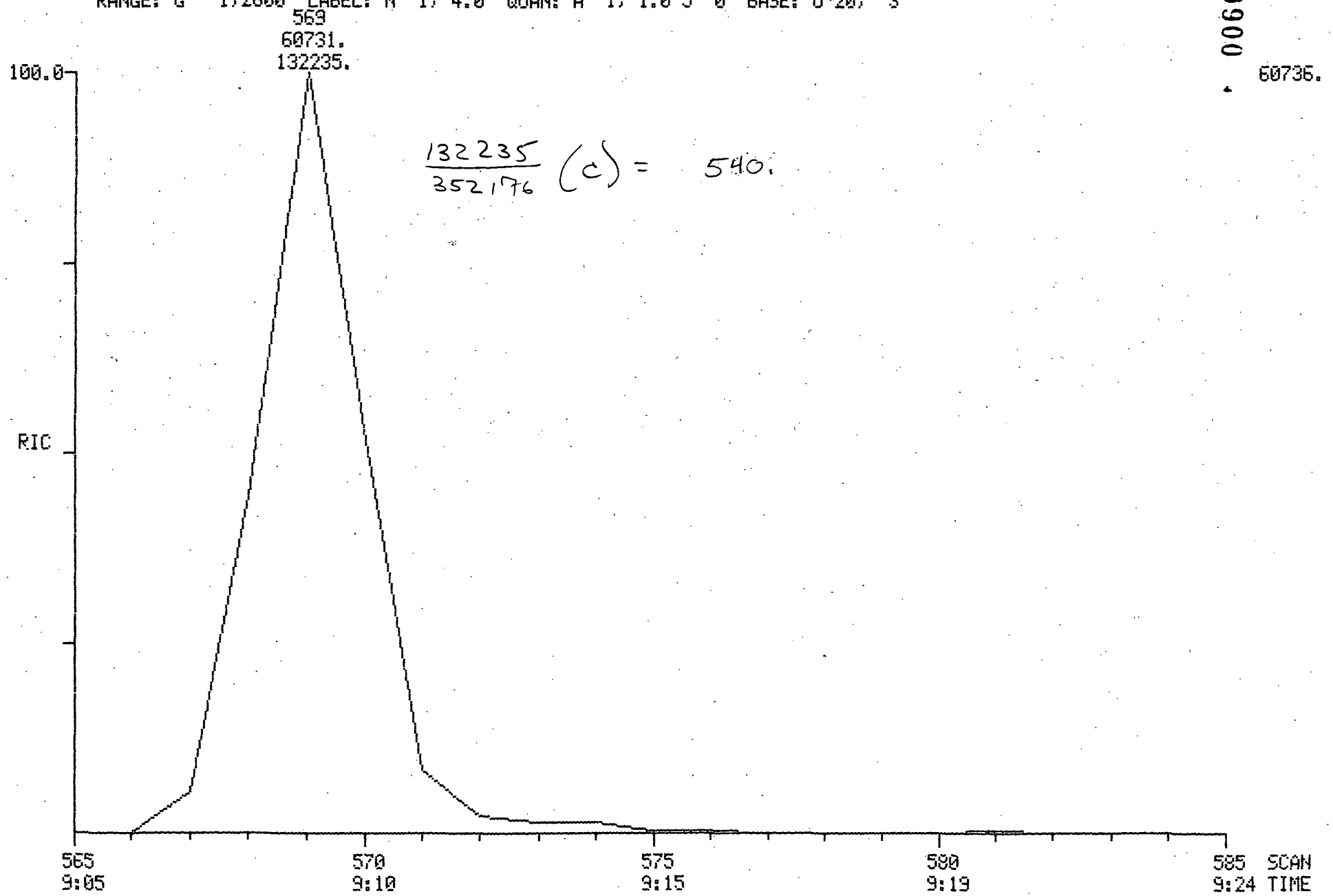
DATA: AD35513590 # 553 BASE M/Z: 43
CALI: AD35513590 # 2 RIC: 56959.

19900



MIDRIC
06/16/91 1:56:00
SAMPLE: S6 91-13590
CONDS.: MS-B CASE: EOH0022
RANGE: G 1,2800 LABEL: N 1, 4.0 QUAN: A 1, 1.0 J 0 BASE: U 20, 3

DATA: AD35513590 #1 SCANS 565 TO 585
CALI: AD35513590 #2



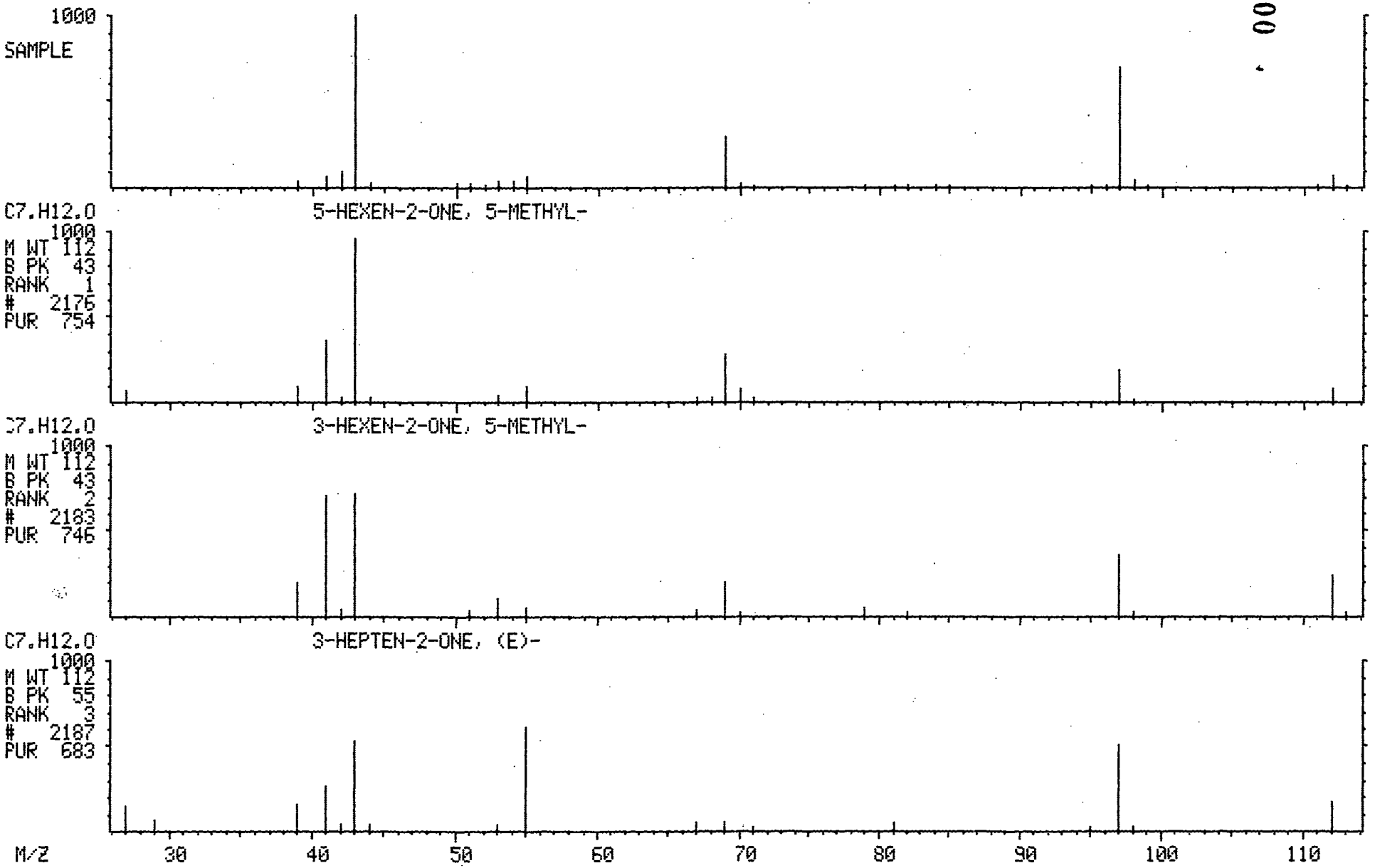
$\frac{132235}{352176}$ (c) = 540.

00900

MID LIBRARY SEARCH
06/16/91 1:56:00 + 9:09
SAMPLE: S6 91-13590
CONDS.: MS-B CASE: EOH0022
ENHANCED (S 15B 2N 0T)

DATA: AD35S13590 # 569 BASE M/Z: 43
CALI: AD35S13590 # 2 RIC: 48447.

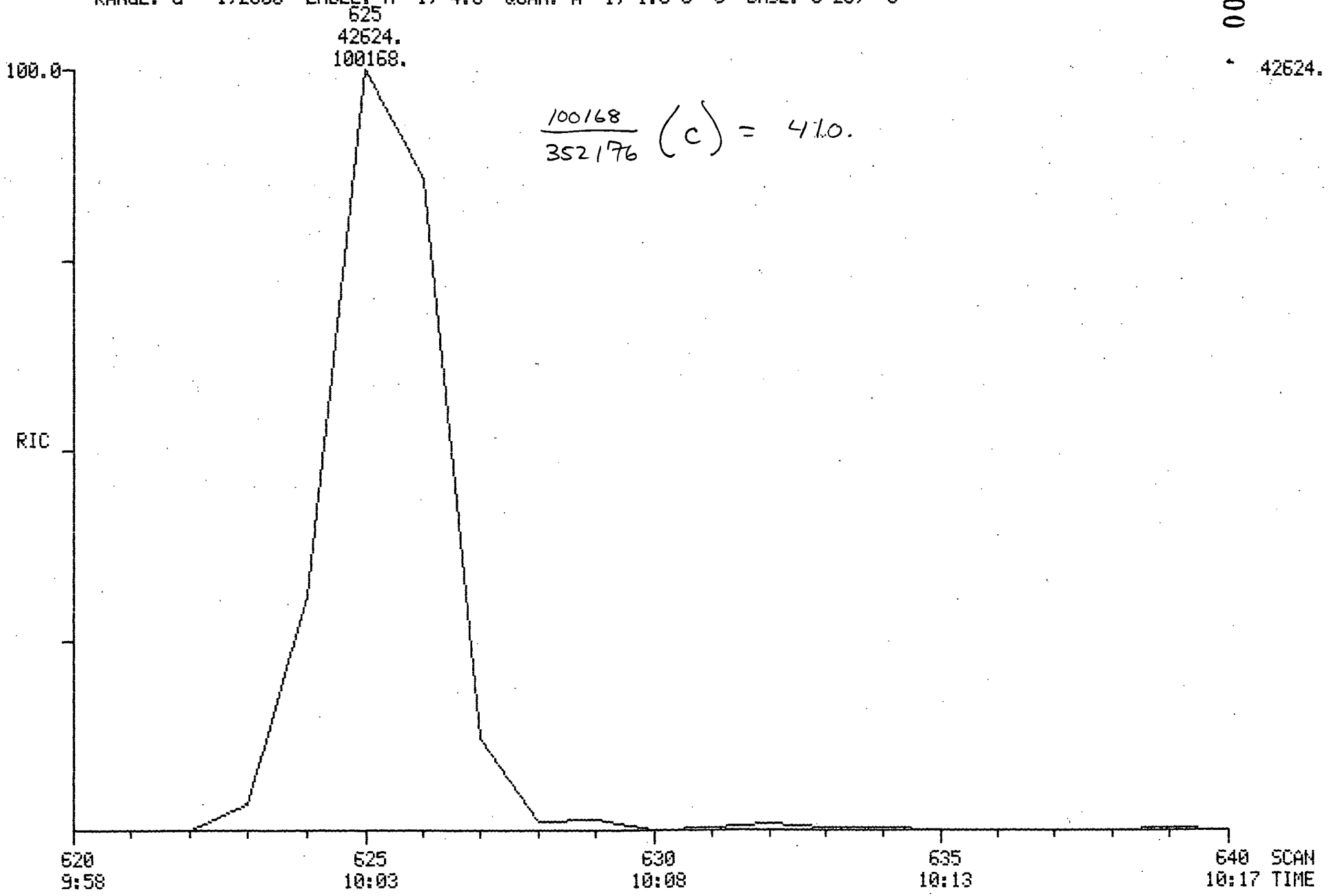
00663



MIDRIC
06/16/91 1:56:00
SAMPLE: S6 91-13590
CONDS.: MS-B CASE: EOH0022
RANGE: G 1,2800 LABEL: N 1, 4.0 QUAN: A 1, 1.0 J 0 BASE: U 20, 3

DATA: AD35513590 #1 SCANS 620 TO 640
CALI: AD35513590 #2

00664

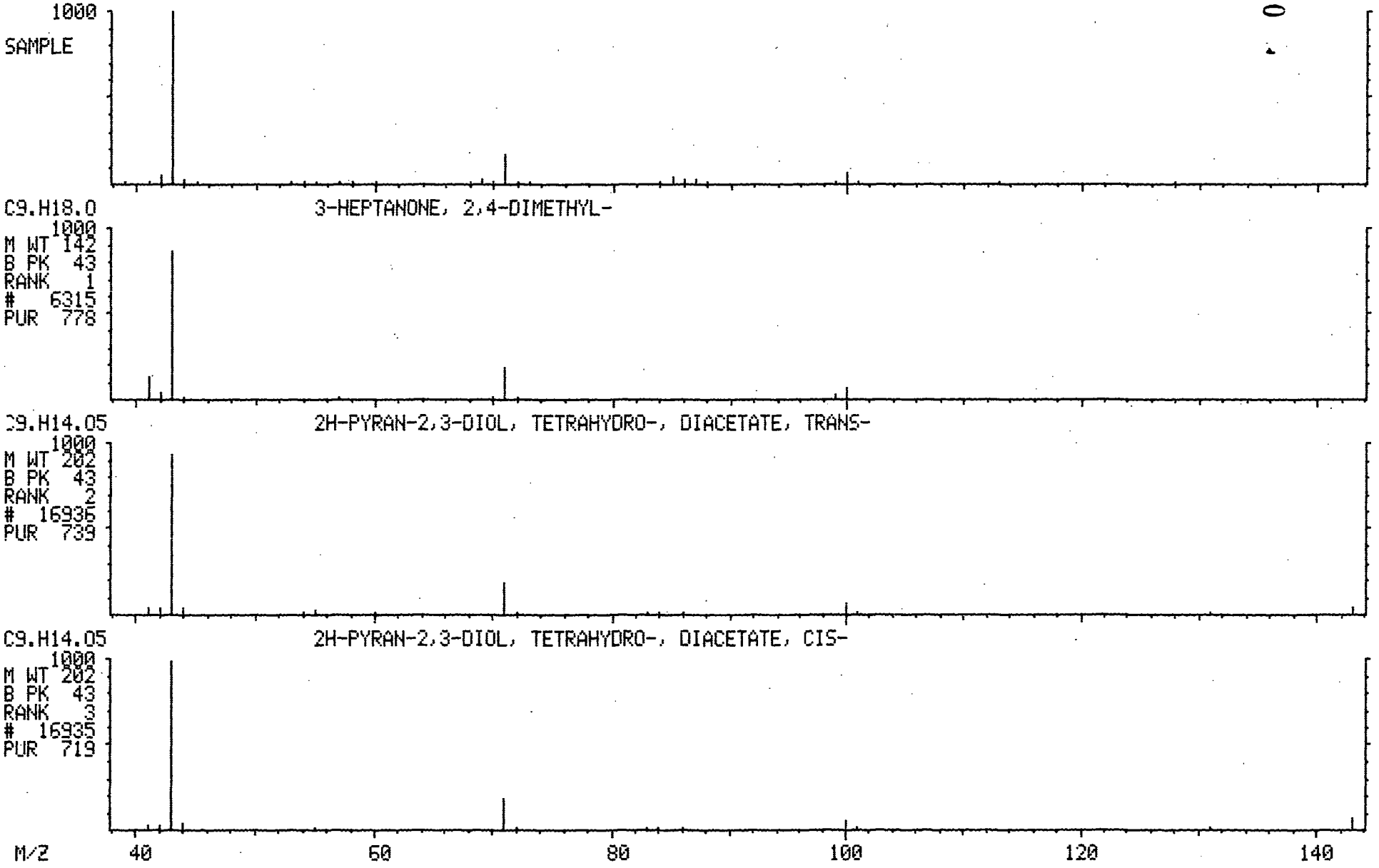


$\frac{100168}{352176}$ (c) = 41.0.

MID LIBRARY SEARCH
06/16/91 1:56:00 + 10:03
SAMPLE: S6 91-13590
CONDS.: MS-B CASE: EOH0022
ENHANCED (S 15B 2N 0T)

DATA: AD35513590 # 625 BASE M/Z: 43
CALI: AD35513590 # 2 RIC: 37119.

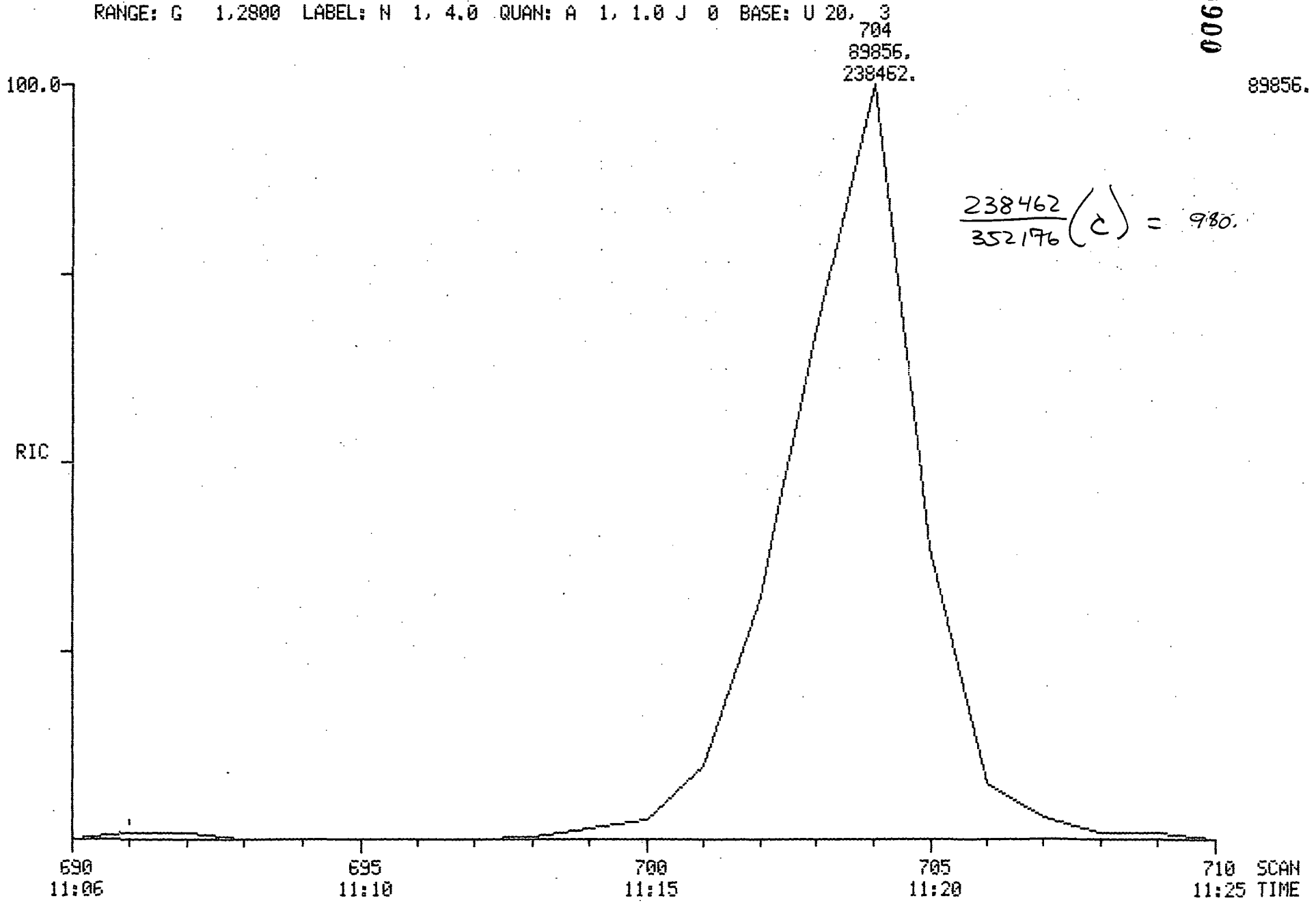
00665



MIDRIC
06/16/91 1:56:00
SAMPLE: S6 91-13590
CONDS.: MS-B CASE: EOH0022
RANGE: G 1,2800 LABEL: N 1, 4.0 QUAN: A 1, 1.0 J 0 BASE: U 20, 3

DATA: AD35513590 #1 SCANS 690 TO 710
CALI: AD35513590 #2

00666

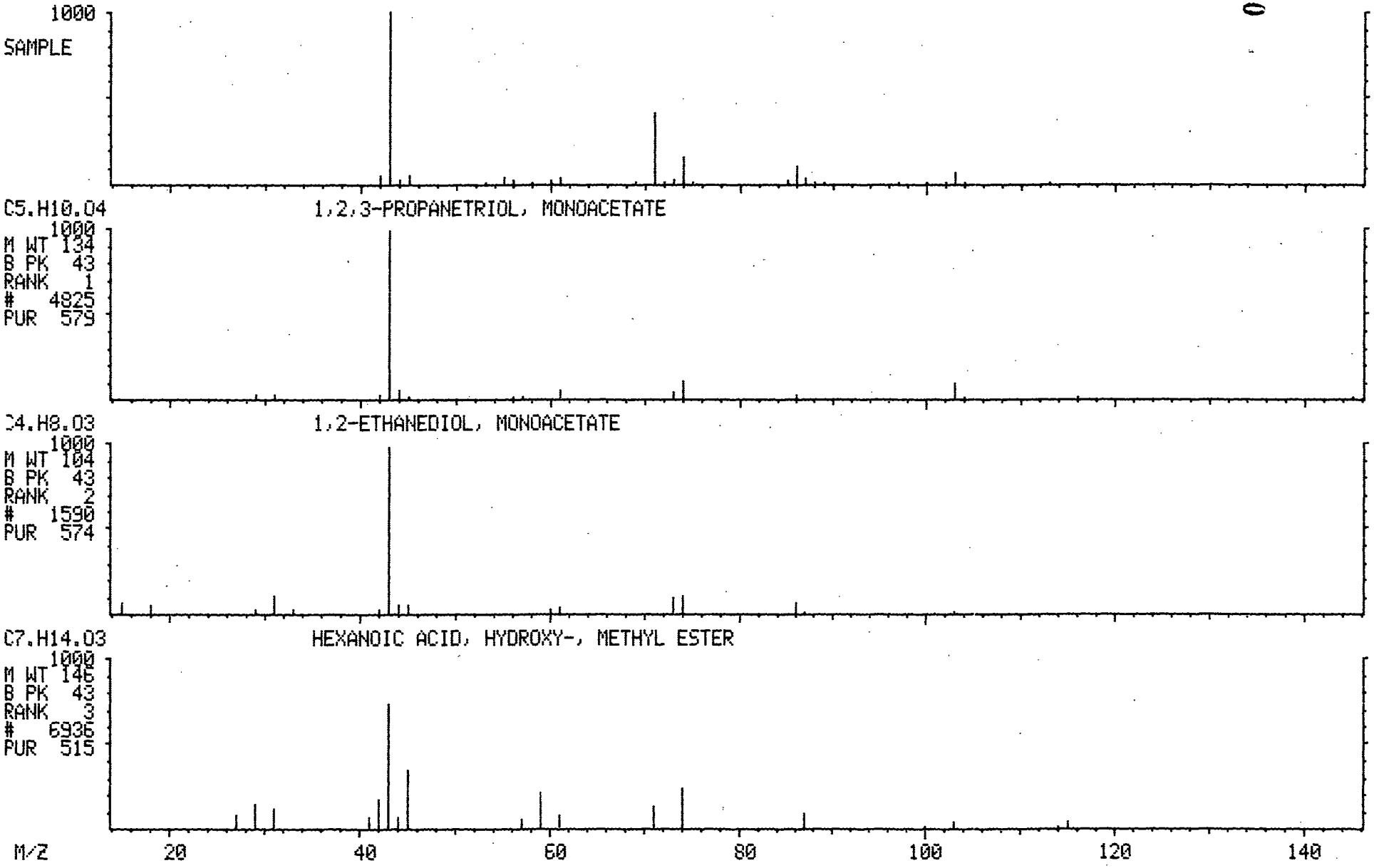


$\frac{238462}{352176}(c) = 980.$

MID LIBRARY SEARCH
06/16/91 1:56:00 + 11:19
SAMPLE: S6 91-13590
CONDS.: MS-B CASE: EOH0022
ENHANCED (S 15B 2N 0T)

DATA: AD35513590 # 704 BASE M/Z: 43
CALI: AD35513590 # 2 RIC: 71935.

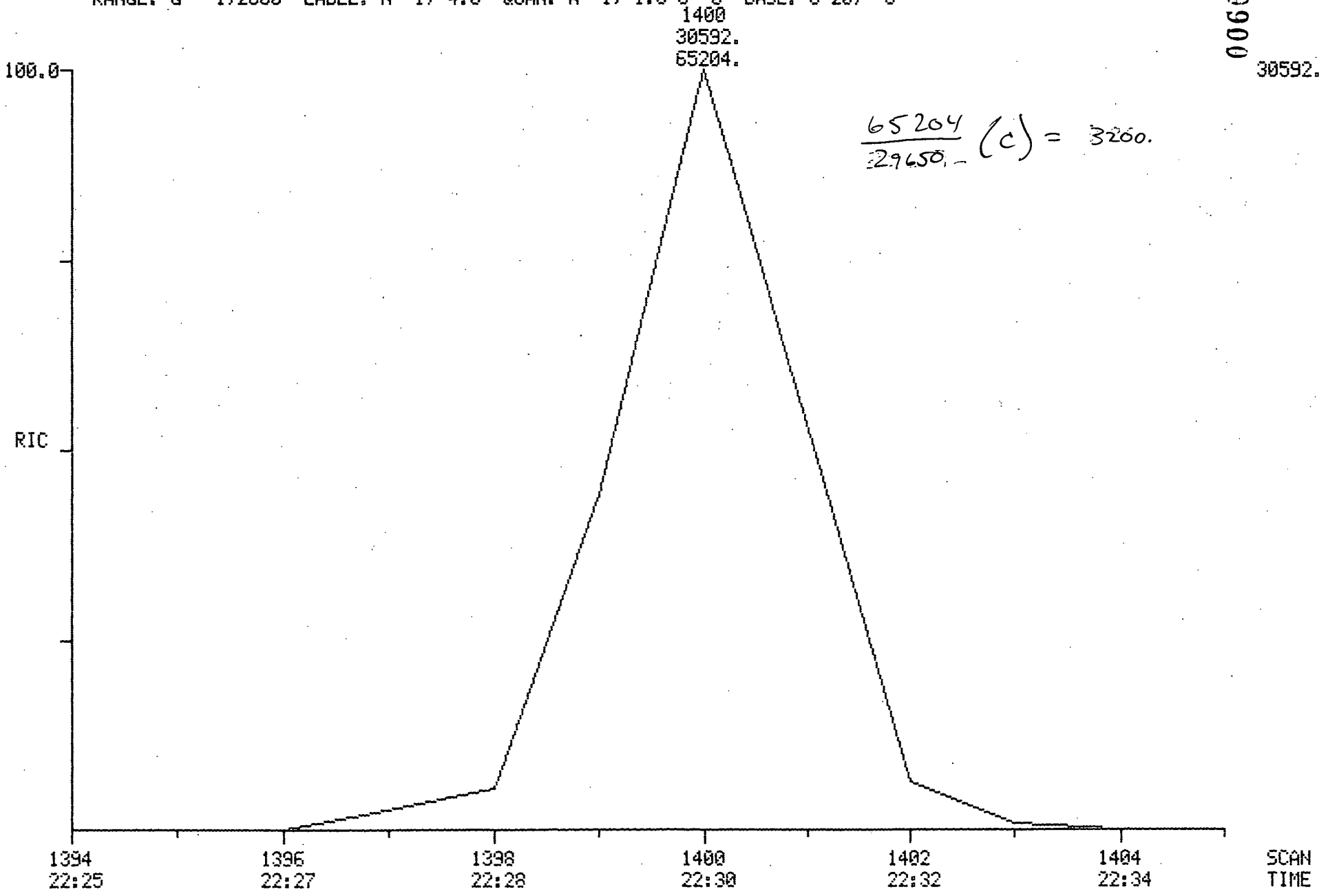
00667



MIDRIC
06/16/91 1:56:00
SAMPLE: S6 91-13590
CONDS.: MS-B CASE: EOH0022
RANGE: G 1,2800 LABEL: N 1, 4.0 QUAN: A 1, 1.0 J 0 BASE: U 20, 3

DATA: AD35513590 #1 SCANS 1394 TO 1405
CALI: AD35513590 #2

00668



$\frac{65204}{29650.}$ (c) = 3200.

MID LIBRARY SEARCH
06/16/91 1:56:00 + 22:30
SAMPLE: S6 91-13590
CONDS.: MS-B CASE: EOH0022
ENHANCED (S 15B 2N 0T)

DATA: AD35513590 #1400
CALI: AD35513590 # 2

BASE M/Z: 178
RIC: 25023.

69900

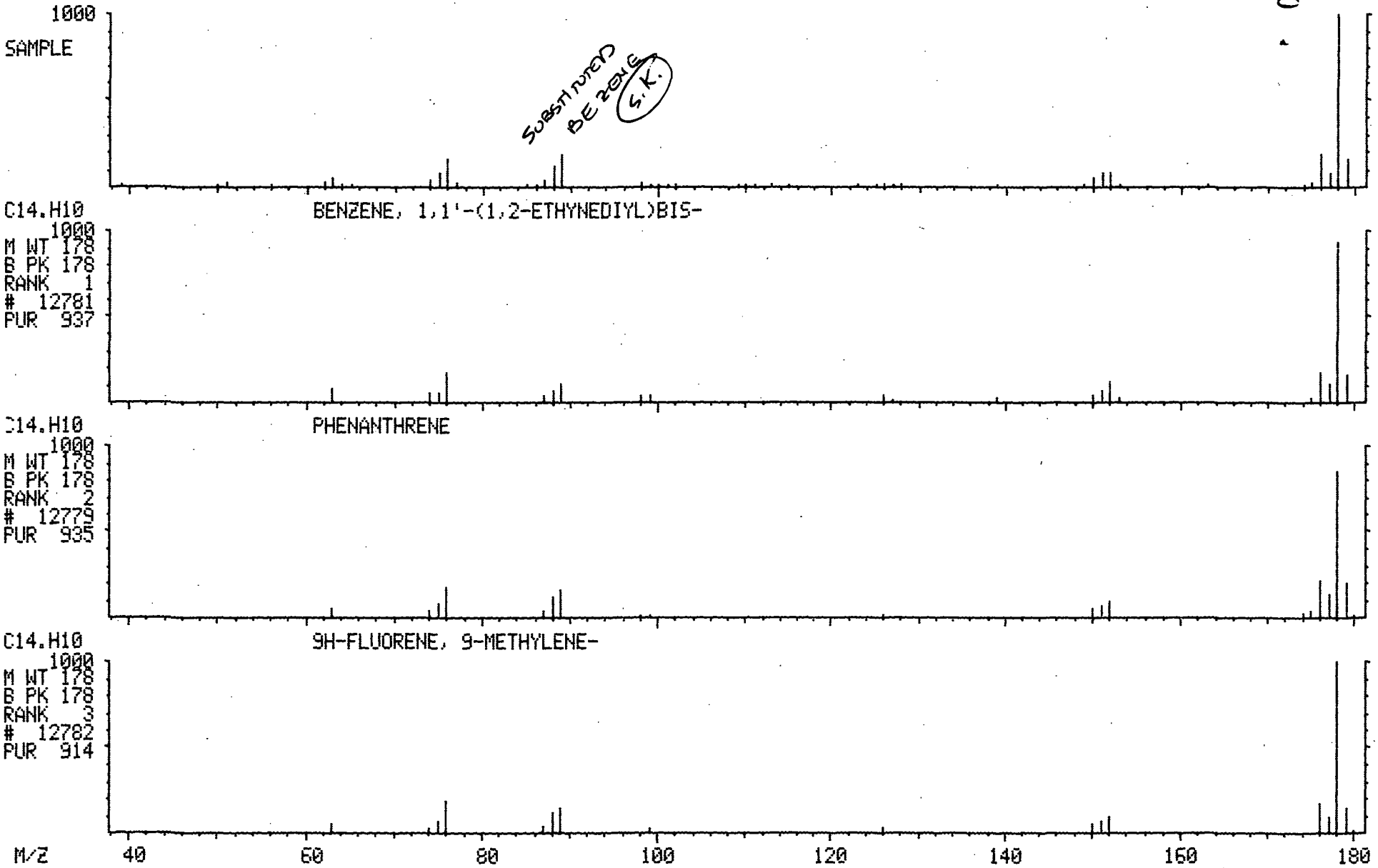
SAMPLE

SUBSTITUTED BENZENE S.K.

C14.H10 BENZENE, 1,1'-(1,2-ETHYNEDIYL)BIS-
M WT 178
B PK 178
RANK 1
12781
PUR 937

C14.H10 PHENANTHRENE
M WT 178
B PK 178
RANK 2
12779
PUR 935

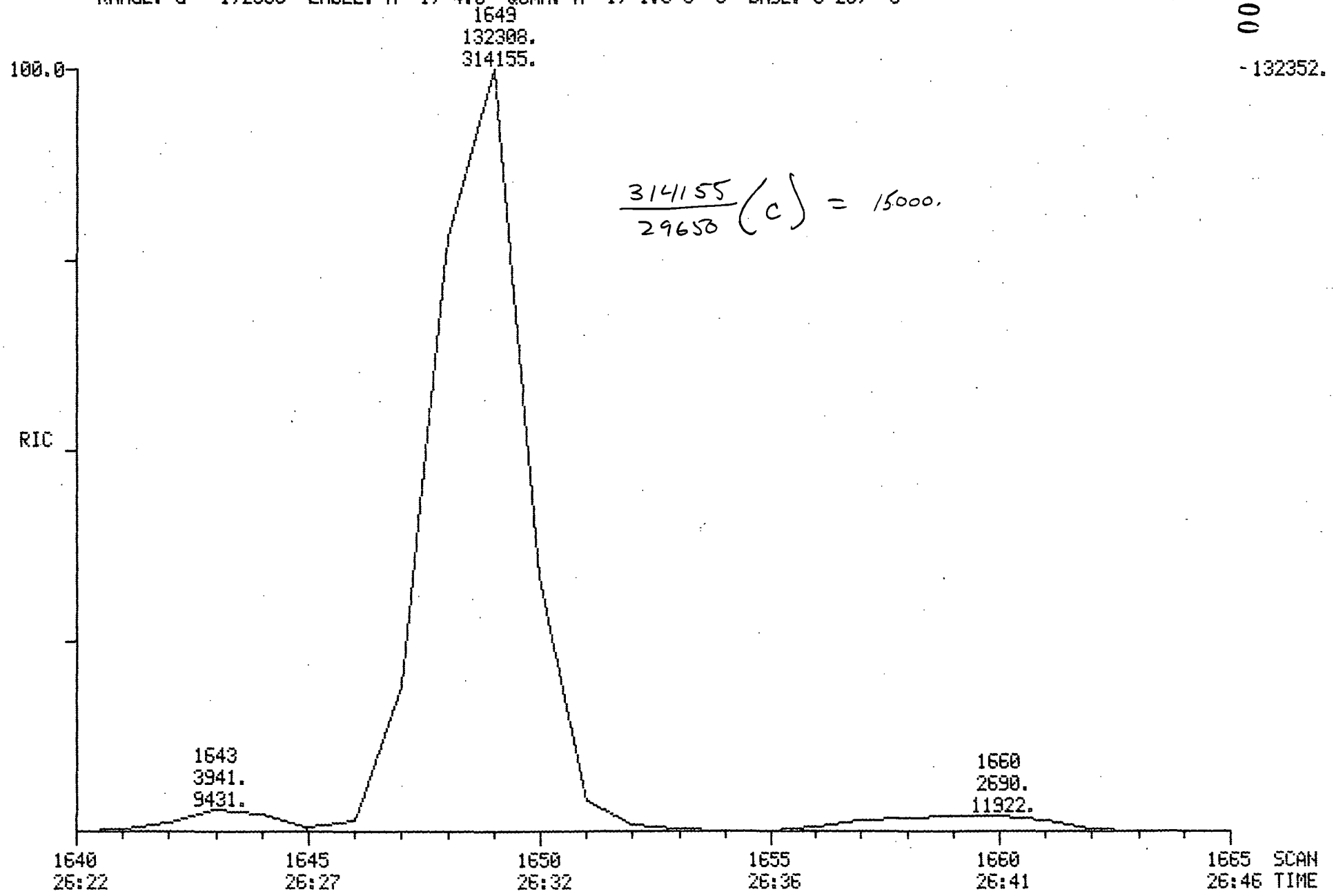
C14.H10 9H-FLUORENE, 9-METHYLENE-
M WT 178
B PK 178
RANK 3
12782
PUR 914



MIDRIC
06/16/91 1:56:00
SAMPLE: S6 91-13590
CONDS.: MS-B CASE: EOH0022
RANGE: G 1,2800 LABEL: N 1, 4.0 QUAN: A 1, 1.0 J 0 BASE: U 20, 3

DATA: AD35513590 #1 SCANS 1640 TO 1665
CALI: AD35513590 #2

00670



$\frac{314155}{29650}(c) = 15000.$

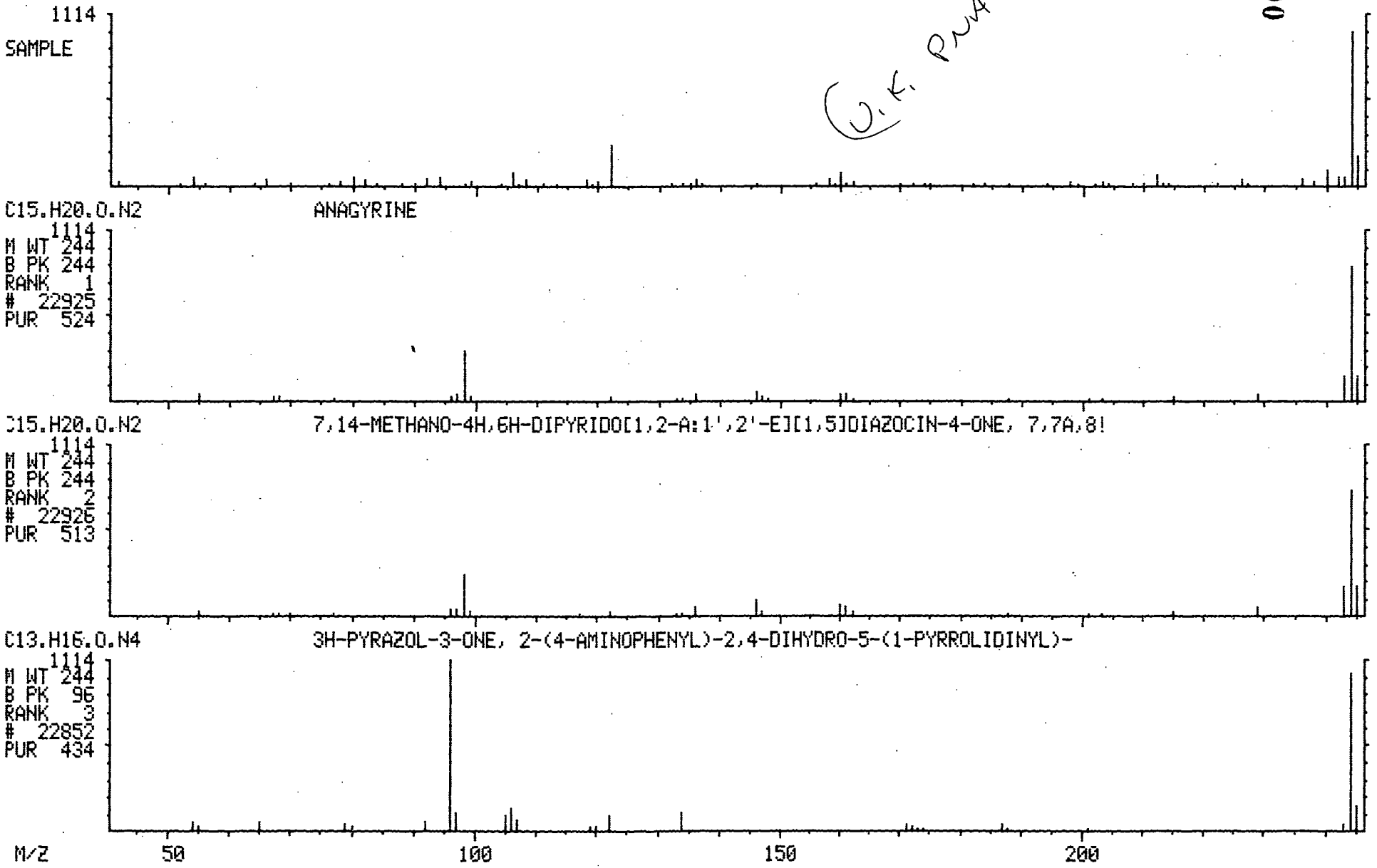
MID LIBRARY SEARCH
06/16/91 1:56:00 + 26:31
SAMPLE: S6 91-13590
CONDS.: MS-B CASE: EOH0022
ENHANCED (S 15B 2N 0T)

DATA: AD35S13590 #1649
CALI: AD35S13590 # 2

BASE M/Z: 244
RIC: 103295.

00671

(U.K. PNA)



1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S7

Lab Name: DATACHEM LABS Contract: 19005

Lab Code: DATAC Case No.: E0H002 2 SAS No.: _____ SDG No.: 13585

Matrix: (soil/water) SOIL Lab Sample ID: 91-13591

Sample wt/vol: 30 (g/mL) G Lab File ID: AD21513591

Level: (low/med) LOW Date Received: 06/07/91

% Moisture: not dec. _____ dec. 14. Date Extracted: 06/14/91

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 06/15/91

GPC Cleanup: (Y/N) N pH: 5.0 Dilution Factor: 1.0

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

CAS NO.	COMPOUND		Q
108-95-2	Phenol	380.	U
111-44-4	bis(2-Chloroethyl)ether	380.	U
95-57-8	2-Chlorophenol	380.	U
541-73-1	1,3-Dichlorobenzene	380.	U
106-46-7	1,4-Dichlorobenzene	380.	U
100-51-6	Benzyl alcohol	380.	U
95-50-1	1,2-Dichlorobenzene	380.	U
95-48-7	2-Methylphenol	380.	U
108-60-1	bis(2-Chloroisopropyl)ether	380.	U
106-44-5	4-Methylphenol	380.	U
621-64-7	N-Nitroso-di-n-propylamine	380.	U
67-72-1	Hexachloroethane	380.	U
98-95-3	Nitrobenzene	380.	U
78-59-1	Isophorone	380.	U
88-75-5	2-Nitrophenol	380.	U
105-67-9	2,4-Dimethylphenol	380.	U
65-85-0	Benzoic acid	1900.	U
111-91-1	bis(2-Chloroethoxy)methane	380.	U
120-83-2	2,4-Dichlorophenol	380.	U
120-82-1	1,2,4-Trichlorobenzene	380.	U
91-20-3	Naphthalene	380.	U
106-47-8	4-Chloroaniline	380.	U
87-68-3	Hexachlorobutadiene	380.	U
59-50-7	4-Chloro-3-methylphenol	380.	U
91-57-6	2-Methylnaphthalene	380.	U
77-47-4	Hexachlorocyclopentadiene	380.	U
88-06-2	2,4,6-Trichlorophenol	380.	U
95-95-4	2,4,5-Trichlorophenol	1900.	U
91-58-7	2-Chloronaphthalene	380.	U
88-74-4	2-Nitroaniline	1900.	U
131-11-3	Dimethylphthalate	380.	U
208-96-8	Acenaphthylene	380.	U
606-20-2	2,6-Dinitrotoluene	380.	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S7

Lab Name: DATACHEM LABS Contract: 19005

Lab Code: DATAC Case No.: EOH0022 SAS No.: _____ SDG No.: 13585

Matrix: (soil/water) SOIL Lab Sample ID: 91-13591

Sample wt/vol: 30 (g/mL) G Lab File ID: AD21S13591

Level: (low/med) LOW Date Received: 06/07/91

% Moisture: not dec. _____ dec. 14. Date Extracted: 06/14/91

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 06/15/91

GPC Cleanup: (Y/N) N pH: 5.0 Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
99-09-2	3-Nitroaniline	1900.	u
83-32-9	Acenaphthene	380.	u
51-28-5	2,4-Dinitrophenol	1900.	u
100-02-7	4-Nitrophenol	1900.	u
132-64-9	Dibenzofuran	380.	u
121-14-2	2,4-Dinitrotoluene	380.	u
84-66-2	Diethylphthalate	35.	~~u~~ J
7005-72-3	4-Chlorophenyl-phenylether	380.	u
86-73-7	Fluorene	380.	u
100-01-6	4-Nitroaniline	1900.	u
534-52-1	4,6-Dinitro-2-methylphenol	1900.	u
86-30-6	N-Nitrosodiphenylamine (1)	380.	u
101-55-3	4-Bromophenyl-phenylether	380.	u
118-74-1	Hexachlorobenzene	380.	u
87-86-5	Pentachlorophenol	1900.	u
85-01-8	Phenanthrene	54.	u
120-12-7	Anthracene	380.	u
84-74-2	Di-n-butylphthalate	380.	u
206-44-0	Fluoranthene	110.	J
129-00-0	Pyrene	120.	J
85-68-7	Butylbenzylphthalate	380.	u
91-94-1	3,3'-Dichlorobenzidine	770.	u
56-55-3	Benzo(a)anthracene	380.	u
218-01-9	Chrysene	380.	u
117-81-7	bis(2-Ethylhexyl)phthalate	270.	JB
117-84-0	Di-n-octylphthalate	380.	u
205-99-2	Benzo(b)fluoranthene	380.	u
207-08-9	Benzo(k)fluoranthene	380.	u
50-32-8	Benzo(a)pyrene	380.	u
193-39-5	Indeno(1,2,3-cd)pyrene	380.	u
53-70-3	Dibenz(a,h)anthracene	380.	u
191-24-2	Benzo(g,h,i)perylene	380.	u

(1) - Cannot be separated from Diphenylamine

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

S7

Lab Name: DATACHEM LABS Contract: 19005

Lab Code: DATAC Case No.: E040022 SAS No.: _____ SDG No.: 13585

Matrix: (soil/water) SOIL Lab Sample ID: 91-13591

Sample wt/vol: 30 (g/mL) G Lab File ID: AD21513591

Level: (low/med) LOW Date Received: 06/07/91

% Moisture: not dec. _____ dec. 14. Date Extracted: 06/14/91

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 06/15/91

GPC Cleanup: (Y/N) N pH: 5.0 Dilution Factor: 1.0

Number TICs found: 8

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

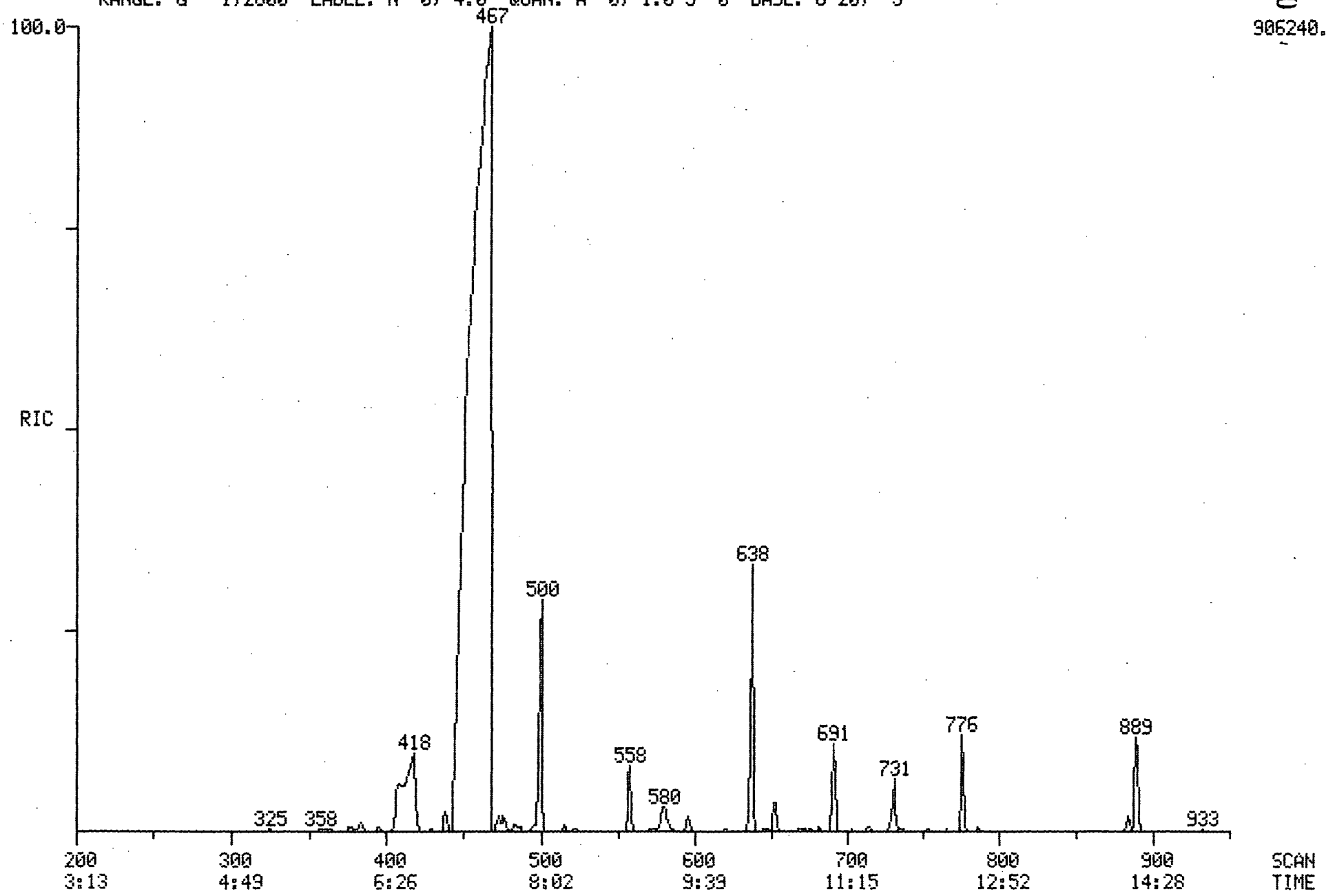
CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	ALDOL CONDENSATION PRODUCT	6:43	6500.	AJB
2.	ALDOL CONDENSATION PRODUCT	7:30	98000.	AJB
3.	ALDOL CONDENSATION PRODUCT	8:58	1200.	AJB
4.	ALDOL CONDENSATION PRODUCT	9:19	1100.	AJ
5.	ALDOL CONDENSATION PRODUCT	10:30	570.	AJ
6.	ALDOL CONDENSATION PRODUCT	11:45	1200.	AJ
7.	HYDROCARBON (UNKNOWN)	21:08	190.	J
8.	UNKNOWN PNA	29:42	3600.	J
9.				
10.				
11.				
12.				
13.				
14.				
15.				
16.				
17.				
18.				
19.				
20.				
21.				
22.				
23.				
24.				
25.				
26.				
27.				
28.				
29.				
30.				

MIDRIC
06/15/91 0:06:00
SAMPLE: S7 91-13591
CONDS.: MS-B CASE: EOH0022
RANGE: G 1,2800 LABEL: N 0, 4.0 QUAN: A 0, 1.0 J 0 BASE: U 20, 3

DATA: AD21513591 #1 SCANS 200 TO 950
CALI: AD21513591 #2

T.J. Masovan
6.17.91

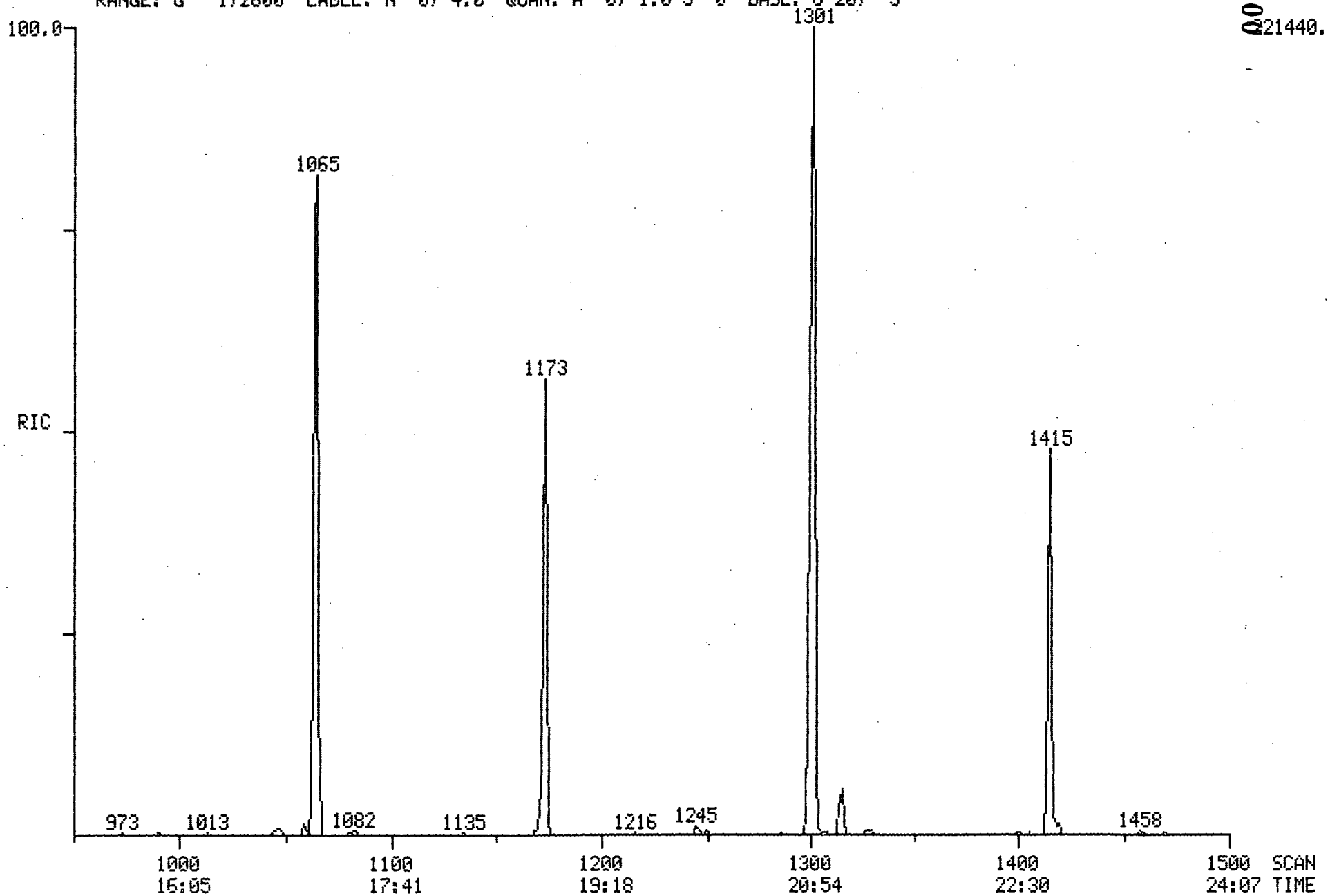
00675



MIDRIC
06/15/91 0:06:00
SAMPLE: S7 91-13591
CONDS.: MS-B CASE: EOH0022
RANGE: G 1,2800 LABEL: N 0, 4.0 QUAN: A 0, 1.0 J 0 BASE: U 20, 3

DATA: AD21513591 #1 SCANS 950 TO 1500
CALI: AD21513591 #2

00676

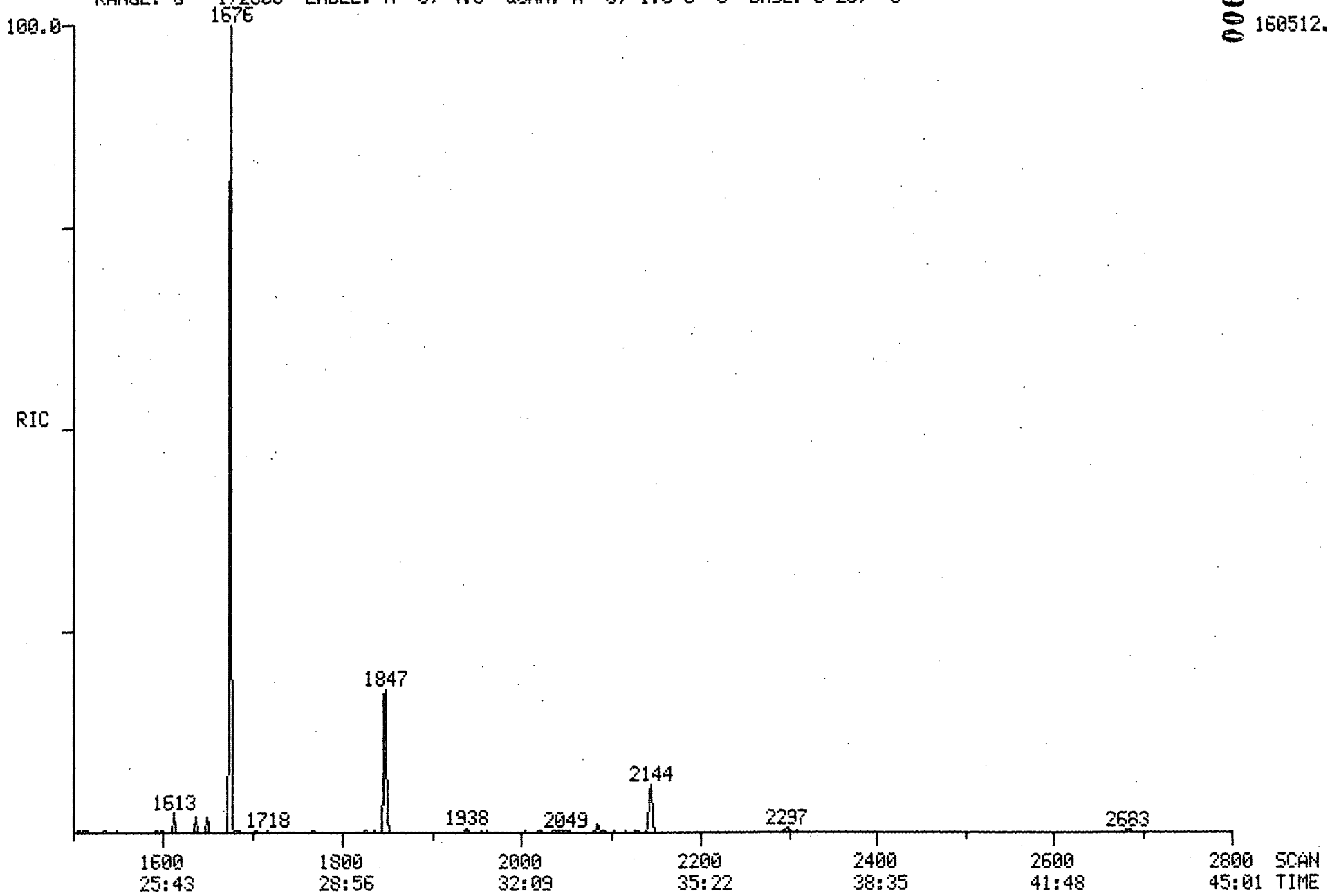


MIDRIC
06/15/91 0:06:00
SAMPLE: S7 91-13591
CONDS.: MS-B CASE: EOH0022
RANGE: G 1,2800 LABEL: N 0, 4.0 QUAN: A 0, 1.0 J 0 BASE: U 20, 3

DATA: AD21513591 #1 SCANS 1500 TO 2800
CALI: AD21513591 #2

00677

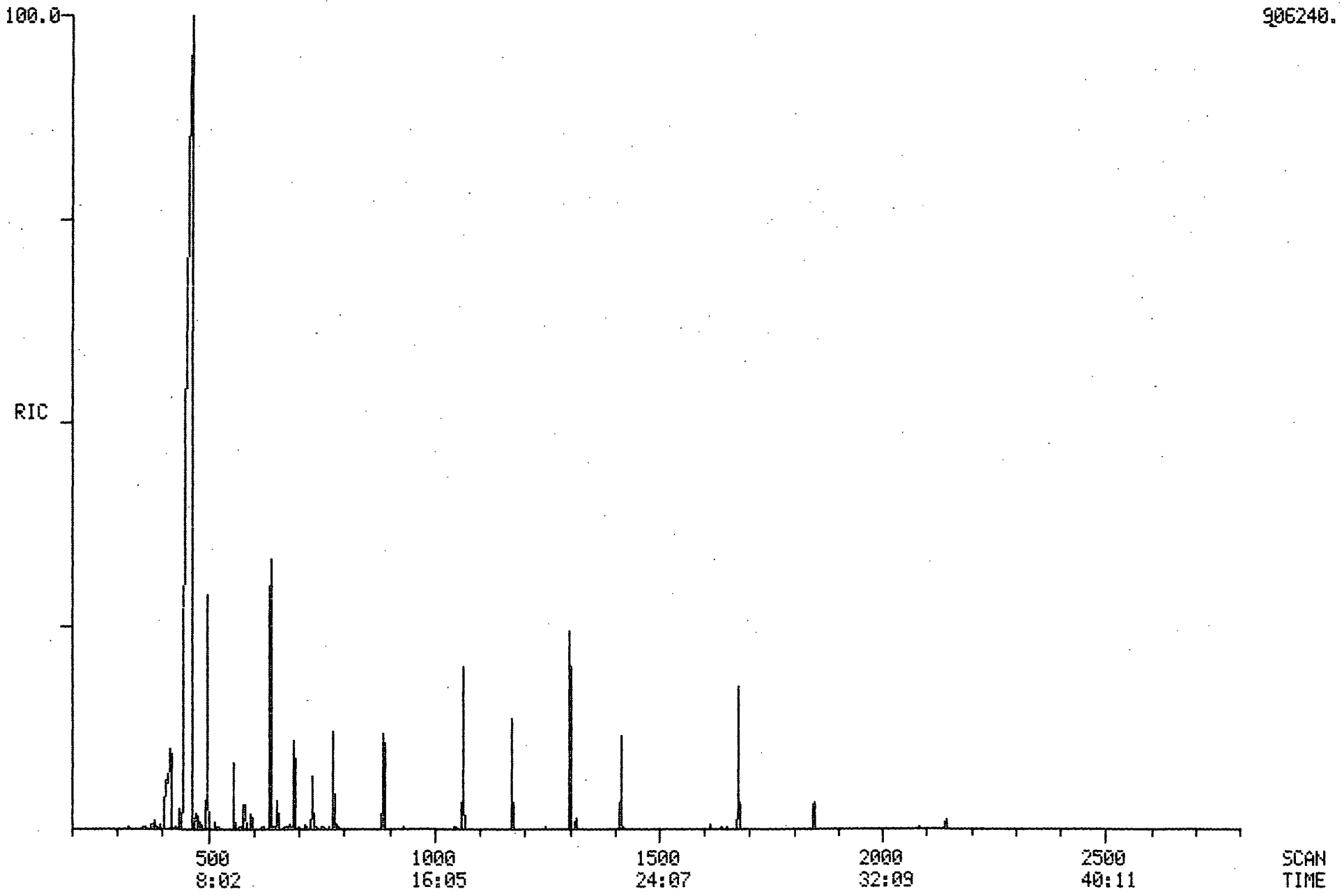
160512.



MIDRIC
06/15/91 0:06:00
SAMPLE: S7 91-13591
CONDS.: MS-B CASE: EOH0022
RANGE: G 1,2800 LABEL: N 0, 4.0 QUAN: A 0, 1.0 J 0 BASE: U 20, 3

DATA: AD21513591 #1 SCANS 200 TO 2800
CALI: AD21513591 #2

00678



PROCEDURE: TCA DIAGNOSTIC REPORT 6/16/91 18:35:49
DATA FILE: AD21S13591
REFERENCE: 82711
NAME LIST: 8270 INITIALIZATION OPTION: 4 PROCESSING OPTION: 3
REPORT: DSISTD

< ---- STANDARDS ----- ><				--- PLUS UNKNOWNS --- ><				- LIST NAMES - >
PROC	USED	POSS	RMS	PROC	USED	POSS	RMS	STANDARD/UNKNOWN
6	4	1	0	12	12	1	125	DSISTD/DSSURR
6	6	1	0	21	6	1	0	DSISTD/82701
6	6	1	0	21	6	1	0	DSISTD/82702
6	6	1	0	21	6	1	0	DSISTD/82703
6	6	1	0	21	6	1	0	DSISTD/82704
6	6	1	0	21	6	1	0	DSISTD/82705
6	6	1	0	21	7	1	0	DSISTD/82706

102 COMPOUNDS PROCESSED, 11 FOUND

< COMPOUND ><			---------- SEARCH ---------- >< SAT >< ------ CHRO -------										
NO	LIB	ENTRY	REF	PRED	SEL	DELTA	PEAKS	FIT	PEAKS	M/Z	TOP	DELTA	PEAKS
1	DS	1	-683	691	691	.	1	966	.	152	691	.	1
2	DS	2	-882	890	.	.	.	.	.	136	889	.	1
3	DS	3	-1165	1173	1173	.	1	955	.	164	1173	.	1
4	DS	4	-1407	1415	1415	.	1	989	.	188	1415	.	1
5	DS	5	-1839	1847	.	.	.	.	.	240	1846	.	1
6	DS	6	-2136	2144	2144	.	1	947	.	264	2144	.	1
7	DS	7	-488	497	500	3	1	975	.	112	500	.	1
8	DS	8	-630	639	638	-1	1	945	.	99	638	.	1
9	DS	9	-769	777	776	-1	1	976	.	82	776	.	1
10	DS	10	-1057	1065	1065	.	1	989	.	172	1064	-1	1
11	DS	11	-1294	1302	1301	-1	1	944	.	330	1301	.	1
12	DS	12	-1668	1676	1676	.	1	981	.	244	1676	.	1
13	DS	13	-263	271	.	.	.	.	.	42	.	.	.
14	DS	14	-393	401	.	.	.	.	.	93	.	.	.
15	DS	15	-462	470	.	.	.	.	.	80	.	.	.
16	DS	16	-569	577	.	.	.	.	.	79	.	.	.
17	DS	17	-632	640	.	.	.	.	.	94	.	.	.
18	DS	18	-634	642	.	.	.	.	.	93	.	.	.
19	DS	19	-646	654	.	.	.	.	.	93	.	.	.
20	DS	20	-651	659	.	.	.	.	.	128	658	.	1
21	DS	21	-674	682	.	.	.	.	.	146	.	.	.
22	DS	22	-686	694	.	.	.	.	.	146	.	.	.
23	DS	23	-706	714	.	.	.	.	.	108	.	.	.
24	DS	24	-708	716	.	.	.	.	.	146	.	.	.
25	DS	25	-723	731	.	.	.	.	.	108	.	.	.
26	DS	26	-727	735	.	.	.	.	.	45	.	.	.
27	DS	27	-723	731	.	.	.	.	.	108	.	.	.
28	DS	28	-749	757	.	.	.	.	.	70	.	.	.
29	DS	29	-761	769	.	.	.	.	.	117	.	.	.
30	DS	30	-747	755	.	.	.	.	.	105	.	.	.
31	DS	31	-773	781	.	.	.	.	.	77	.	.	.
32	DS	32	-797	805	.	.	.	.	.	42	.	.	.
33	DS	33	-811	819	.	.	.	.	.	82	.	.	.
34	DS	34	-822	830	.	.	.	.	.	139	.	.	.
35	DS	35	-830	838	.	.	.	.	.	122	.	.	.
36	DS	36	-846	854	.	.	.	.	.	93	.	.	.
37	DS	39	-860	868	.	.	.	.	.	162	.	.	.
38	DS	40	-873	881	.	.	.	.	.	180	.	.	.
39	DS	41	-885	893	.	.	.	.	.	128	893	.	1
40	DS	42	-895	903	.	.	.	.	.	127	.	.	.
41	DS	43	-896	904	.	.	.	.	.	162	.	.	.
42	DS	44	-906	914	.	.	.	.	.	225	.	.	.
43	DS	45	-951	959						84			

00679

44	DS	46	-973	981	.	.	.	.	.	107	.	.	.
45	DS	47	-997	1005	.	.	.	.	.	142	.	.	.
46	DS	48	-1024	1032	.	.	.	.	.	216	.	.	.
47	DS	49	-1022	1030	.	.	.	.	.	237	.	.	.
48	DS	50	-1042	1050	.	.	.	.	.	196	.	.	.
49	DS	51	-1048	1056	.	.	.	.	.	196	.	.	.
50	DS	52	-1076	1084	.	.	.	.	.	162	.	.	.
51	DS	53	-1076	1084	.	.	.	.	.	162	.	.	.
52	DS	54	-1093	1101	.	.	.	.	.	65	.	.	.
53	DS	55	-1124	1132	.	.	.	.	.	163	.	.	.
54	DS	56	-1133	1141	.	.	.	.	.	165	.	.	.
55	DS	57	-1142	1150	.	.	.	.	.	152	.	.	.
56	DS	58	-1160	1168	.	.	.	.	.	138	.	.	.
57	DS	59	-1171	1179	.	.	.	.	.	154	.	.	.
58	DS	60	-1177	1185	.	.	.	.	.	184	.	.	.
59	DS	61	-1187	1195	.	.	.	.	.	139	.	.	.
60	DS	62	-1199	1207	.	.	.	.	.	168	1206	.	1
61	DS	63	-1199	1207	.	.	.	.	.	165	.	.	.
62	DS	64	-1192	1200	.	.	.	.	.	250	.	.	.
63	DS	65	-1212	1220	.	.	.	.	.	143	.	.	.
64	DS	66	-1219	1227	.	.	.	.	.	232	.	.	.
65	DS	67	-1225	1233	.	.	.	.	.	143	.	.	.
66	DS	68	-1239	1247	.	.	.	.	.	149	1245	.	1
67	DS	69	-1256	1264	.	.	.	.	.	204	.	.	.
68	DS	70	-1255	1263	.	.	.	.	.	166	1262	.	1
69	DS	71	-1259	1267	.	.	.	.	.	138	.	.	.
70	DS	72	-1264	1272	.	.	.	.	.	198	.	.	.
71	DS	73	-1276	1284	.	.	.	.	.	169	.	.	.
72	DS	74	-1282	1290	.	.	.	.	.	77	.	.	.
73	DS	75	-1335	1343	.	.	.	.	.	248	.	.	.
74	DS	76	-1327	1335	.	.	.	.	.	108	.	.	.
75	DS	78	-1344	1352	.	.	.	.	.	284	.	.	.
76	DS	79	-1378	1386	.	.	.	.	.	169	.	.	.
77	DS	81	-1376	1384	.	.	.	.	.	266	.	.	.
78	DS	83	-1388	1396	.	.	.	.	.	173	.	.	.
79	DS	84	-1379	1387	.	.	.	.	.	295	.	.	.
80	DS	85	-1412	1420	.	.	.	.	.	178	1419	.	1
81	DS	86	-1420	1428	.	.	.	.	.	178	1427	.	1
82	DS	89	-1504	1512	.	.	.	.	.	149	1512	.	1
83	DS	92	-1605	1613	.	.	.	.	.	202	1613	.	1
84	DS	93	-1642	1650	.	.	.	.	.	202	1650	.	1
85	DS	96	-1627	1635	.	.	.	.	.	184	.	.	.
86	DS	98	-1691	1699	.	.	.	.	.	120	.	.	.
87	DS	103	-1748	1756	.	.	.	.	.	149	1755	.	1
88	DS	108	-1833	1841	.	.	.	.	.	252	.	.	.
89	DS	109	-1837	1845	.	.	.	.	.	228	1845	.	1
90	DS	110	-1843	1851	.	.	.	.	.	228	1850	.	1
91	DS	111	-1840	1848	1848	.	1	969	.	149	1848	.	1
92	DS	112	-1955	1963	.	.	.	.	.	149	.	.	.
93	DS	113	-2041	2049	.	.	.	.	.	256	.	.	.
94	DS	114	-2042	2050	.	.	.	.	.	252	2049	.	1
95	DS	115	-2049	2057	.	.	.	.	.	252	2055	.	1
96	DS	116	-2122	2130	.	.	.	.	.	252	2129	.	1
97	DS	117	-2221	2229	.	.	.	.	.	268	.	.	.
98	DS	118	-2499	2507	.	.	.	.	.	276	.	.	.
99	DS	119	-2500	2508	.	.	.	.	.	278	.	.	.
100	DS	120	-2598	2606	.	.	.	.	.	276	.	.	.
101	DS	128	-2421	2429	.	.	.	.	.	279	.	.	.
102	DS	37	-847	855	.	.	.	.	.	122	.	.	.

Quantitation Report File: AD21S13591

Data: AD21S13591.TI
06/15/91 0:06:00
Sample: S7 91-13591
Conds.: MS-B CASE: EOH0022
Submitted by: Analyst: JOHNSON

AMOUNT=AREA * REF AMNT/(REF AREA * RESP FACT)
Resp. fac. from Library Entry

No	Name
1	ISTD D4-1,4-DICHLOROBENZENE
2	ISTD D-8-NAPHTHALENE
3	ISTD ACENAPHTHENE-D10
4	INTERNAL STANDARD D-10-PHENANTHRENE
5	INTERNAL STANDARD D-12-CHRYSENE
6	ISTD D-12 PERYLENE
7	SURROGATE 2-FLUOROPHENOL 200
8	SURROGATE D-6-PHENOL 200
9	SURROGATE D5-NITROBENZENE 100
10	SURROGATE 2-FLUOROBIPHENYL 100
11	SURROGATE STANDARD 2,4,6-TRIBROMOPHENOL 200
12	SURROGATE STANDARD P-TERPHENYL D-14 100
13	N-NITROSODIMETHYLAMINE
14	2-PICOLINE
15	METHYL METHANESULFONATE
16	ETHYL METHANESULFONATE
17	C315 PHENOL
18	ANILINE
19	BIS(2-CHLOROETHYL)ETHER
20	2-CHLOROPHENOL
21	1,3-DICHLOROBENZENE
22	1,4-DICHLOROBENZENE
23	BENZYL ALCOHOL
24	1,2-DICHLOROBENZENE
25	2-METHYLPHENOL
26	BIS(2-CHLOROISOPROPYL)ETHER
27	4-METHYLPHENOL
28	N-NITROSO-DI-N-PROPYLAMINE
29	HEXACHLOROETHANE
30	ACETOPHENONE
31	NITROBENZENE
32	N-NITROSOPIPERIDINE
33	ISOPHORONE
34	2-NITROPHENOL
35	2,4-DIMETHYLPHENOL
36	BIS(2-CHLOROETHOXY)METHANE
37	2,4-DICHLOROPHENOL
38	1,2,4-TRICHLOROBENZENE
39	NAPHTHALENE
40	4-CHLOROANILINE
41	2,6-DICHLOROPHENOL
42	HEXACHLOROBUTADIENE
43	N-NITROSO-DI-N-BUTYLAMINE
44	4-CHLORO-3-METHYLPHENOL
45	2-METHYL NAPHTHALENE
46	1,2,4,5-TETRACHLOROBENZENE
47	HEXACHLOROCYCLOPENTADIENE
48	2,4,6-TRICHLOROPHENOL
49	2,4,5-TRICHLOROPHENOL
50	2-CHLORONAPHTHALENE

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount	%Tot
1	152	691	11:07	1	1.000	A BB	25307.	40.000 UG	2.77
2	136	889	14:18	2	1.000	A BB	91214.	40.000 UG	2.77
3	164	1173	18:51	3	1.000	A BB	54715.	40.000 UG	2.77
4	188	1415	22:45	4	1.000	A BB	84220.	40.000 UG	2.77
5	240	1846	29:41	5	1.000	A BB	28016.	40.000 UG	2.77
6	264	2144	34:28	6	1.000	A BB	19777.	40.000 UG	2.77
7	112	500	8:02	1	0.724	A BB	114757.	110.926 UG	7.69
8	99	638	10:15	1	0.923	A BB	181445.	136.996 UG	9.50
9	82	776	12:29	2	0.873	A BB	73873.	48.633 UG	3.37
10	172	1064	17:06	3	0.907	A BB	134498.	81.807 UG	5.67
11	330	1301	20:55	3	1.109	A BB	51098.	250.933 UG	17.39
12	244	1676	26:57	5	0.908	A BB	127355.	110.761 UG	7.68
13	NOT FOUND								
14	NOT FOUND								
15	NOT FOUND								
16	NOT FOUND								
17	NOT FOUND								
18	NOT FOUND								
19	NOT FOUND								
~~20~~	~~128~~	~~658~~	~~10:35~~	~~1~~	~~0.952~~	~~A BB~~	~~121.~~	~~0.123 UG~~	~~0.01~~ mj
21	NOT FOUND								
22	NOT FOUND								
23	NOT FOUND								
24	NOT FOUND								
25	NOT FOUND								
26	NOT FOUND								
27	NOT FOUND								
28	NOT FOUND								
29	NOT FOUND								
30	NOT FOUND								
31	NOT FOUND								
32	NOT FOUND								
33	NOT FOUND								
34	NOT FOUND								
35	NOT FOUND								
36	NOT FOUND								
37	NOT FOUND								
38	NOT FOUND								
~~39~~	~~128~~	~~893~~	~~14:21~~	~~2~~	~~1.004~~	~~A BB~~	~~236.~~	~~0.084 UG~~	~~0.01~~ mj
40	NOT FOUND								
41	NOT FOUND								
42	NOT FOUND								
43	NOT FOUND								
44	NOT FOUND								
45	NOT FOUND								
46	NOT FOUND								
47	NOT FOUND								
48	NOT FOUND								
49	NOT FOUND								
50	NOT FOUND								

No	Ret(L)	Ratio	RRT(L)	Ratio	Amnt	Amnt(L)	R.Fac	R.Fac(L)	Ratio
1	10:59	1.01	1.000	1.00	40.00	40.00	1.000	1.000	1.00
2	14:11	1.01	1.000	1.00	40.00	40.00	1.000	1.000	1.00
3	18:44	1.01	1.000	1.00	40.00	40.00	1.000	1.000	1.00
4	22:37	1.01	1.000	1.00	40.00	40.00	1.000	1.000	1.00
5	29:34	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
6	34:20	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
7	7:51	1.02	0.714	1.01	110.93	50.00	3.628	1.635	2.22
8	10:08	1.01	0.922	1.00	137.00	50.00	5.736	2.093	2.74
9	12:22	1.01	0.872	1.00	48.63	50.00	0.648	0.666	0.97
10	17:00	1.01	0.907	1.00	81.81	50.00	1.967	1.202	1.64
11	20:48	1.01	1.111	1.00	250.93	50.00	0.747	0.149	5.02
12	26:49	1.00	0.907	1.00	110.76	50.00	3.637	1.642	2.22
13	4:14		0.385						

14	6:19		0.575						
15	7:26		0.676						
16	9:09		0.833						
17	10:10		0.925						
18	10:12		0.928						
19	10:23		0.946						
20	10:28	1.01	0.953	1.00	0.12	50.00	0.004	1.553	0.00
21	10:50		0.987						
22	11:02		1.004						
23	11:21		1.034						
24	11:23		1.037						
25	11:37		1.059						
26	11:41		1.064						
27	11:37		1.059						
28	12:02		1.097						
29	12:14		1.114						
30	12:01		0.847						
31	12:26		0.876						
32	12:49		0.904						
33	13:02		0.920						
34	13:13		0.932						
35	13:21		0.941						
36	13:36		0.959						
37	13:50		0.975						
38	14:02		0.990						
39	14:14	1.01	1.003	1.00	0.08	50.00	0.002	1.239	0.00
40	14:23		1.015						
41	14:24		1.016						
42	14:34		1.027						
43	15:17		1.078						
44	15:39		1.103						
45	16:02		1.130						
46	16:28		0.879						
47	16:26		0.877						
48	16:45		0.894						
49	16:51		0.900						
50	17:18		0.924						

Quantitation Report File: AD21S13591

Data: AD21S13591.TI
06/15/91 0:06:00
Sample: S7 91-13591
Conds.: MS-B CASE: EOH0022
Submitted by: Analyst: JOHNSON

AMOUNT=AREA * REF AMNT/(REF AREA * RESP FACT)
Resp. fac. from Library Entry

No	Name
51	1-CHLORONAPHTHALENE
52	2-NITROANILINE
53	DIMETHYL PHTHALATE
54	2,6-DINITROTOLUENE
55	ACENAPHTHYLENE
56	3-NITROANILINE
57	ACENAPHTHENE
58	2,4-DINITROPHENOL
59	4-NITROPHENOL
60	DIBENZOFURAN
61	2,4-DINITROTOLUENE
62	PENTACHLOROBENZENE
63	1-NAPHTHYLAMINE
64	2,3,4,6-TETRACHLOROPHENOL
65	2-NAPHTHYLAMINE
66	DIETHYL PHTHALATE
67	4-CHLOROPHENYL PHENYL ETHER
68	FLUORENE
69	4-NITROANILINE
70	4,6-DINITRO-2-METHYLPHENOL
71	N-NITROSODIPHENYLAMINE
72	1,2-DIPHENYLHYDRAZINE
73	4-BROMOPHENYL PHENYL ETHER
74	PHENACETIN
75	HEXACHLOROBENZENE
76	4-AMINOBIPHENYL
77	PENTACHLOROPHENOL
78	PRONAMIDE (PROPYZAMIDE)
79	PENTACHLORONITROBENZENE
80	PHENANTHRENE
81	ANTHRACENE
82	DI-N-BUTYL PHTHALATE
83	FLUORANTHENE
84	PYRENE
85	BENZIDINE
86	P-DIMETHYLAMINOAZOBENZENE
87	BUTYL BENZYL PHTHALATE
88	3,3'-DICHLOROBENZIDINE
89	BENZO(A)ANTHRACENE
90	CHRYSENE
91	BIS(2-ETHYLHEXYL)PHTHALATE
92	DI-N-OCTYL PHTHALATE
93	7,12-DIMETHYLBENZ(A)ANTHRACENE
94	BENZO(B)FLUORANTHENE
95	BENZO(K)FLUORANTHENE
96	BENZO(A)PYRENE
97	3-METHYLCHOLANTHRENE
98	INDENO (1,2,3-CD)PYRENE
99	DIBENZ(A,H)ANTHRACENE
100	BENZO (G,H,I)PERYLENE

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount	%Tot
51	NOT FOUND								
52	NOT FOUND								
53	NOT FOUND								
54	NOT FOUND								
55	NOT FOUND								
56	NOT FOUND								
57	NOT FOUND								
58	NOT FOUND								
59	NOT FOUND								
~~60~~	~~168~~	~~1206~~	~~19:23~~	~~3~~	~~1.028~~	~~A BB~~	~~281.~~	~~0.118 UG~~	~~0.01~~ m
61	NOT FOUND								
62	NOT FOUND								
63	NOT FOUND								
64	NOT FOUND								
65	NOT FOUND								
66	149	1245	20:01	3	1.061	A BB	1835.	0.900 UG	0.06 m
67	NOT FOUND								
~~68~~	~~166~~	~~1262~~	~~20:17~~	~~3~~	~~1.076~~	~~A BB~~	~~171.~~	~~0.093 UG~~	~~0.01~~ m
69	NOT FOUND								
70	NOT FOUND								
71	NOT FOUND								
72	NOT FOUND								
73	NOT FOUND								
74	NOT FOUND								
75	NOT FOUND								
76	NOT FOUND								
77	NOT FOUND								
78	NOT FOUND								
79	NOT FOUND								
80	178	1419	22:49	4	1.003	A BB	3138.	1.400 UG	0.10 m
~~81~~	~~178~~	~~1427~~	~~22:56~~	~~4~~	~~1.008~~	~~A BB~~	~~344.~~	~~0.152 UG~~	~~0.01~~ m
~~82~~	~~149~~	~~1512~~	~~24:18~~	~~4~~	~~1.067~~	~~A BB~~	~~562.~~	~~0.203 UG~~	~~0.01~~ m
83	202	1613	25:56	4	1.140	A BB	4748.	2.724 UG	0.19 m
84	202	1650	26:32	5	0.894	A BB	3908.	3.174 UG	0.22 m
85	NOT FOUND								
86	NOT FOUND								
~~87~~	~~149~~	~~1755~~	~~28:13~~	~~5~~	~~0.951~~	~~A BB~~	~~171.~~	~~0.357 UG~~	~~0.02~~ m
88	NOT FOUND								
~~89~~	~~228~~	~~1845~~	~~29:40~~	~~5~~	~~0.999~~	~~A BV~~	~~1197.~~	~~1.510 UG~~	~~0.10~~ m
~~90~~	~~228~~	~~1850~~	~~29:44~~	~~5~~	~~1.002~~	~~A VB~~	~~1354.~~	~~1.690 UG~~	~~0.12~~ m
91	149	1848	29:43	5	1.001	A BB	7076.	7.017 UG	0.49 m
92	NOT FOUND								
93	NOT FOUND								
~~94~~	~~252~~	~~2049~~	~~32:56~~	~~6~~	~~0.956~~	~~A BV~~	~~1478.~~	~~2.213 UG~~	~~0.15~~ m
~~95~~	~~252~~	~~2055~~	~~33:02~~	~~6~~	~~0.958~~	~~A VB~~	~~378.~~	~~0.622 UG~~	~~0.04~~ m
~~96~~	~~252~~	~~2129~~	~~34:14~~	~~6~~	~~0.993~~	~~A BB~~	~~710.~~	~~1.265 UG~~	~~0.09~~ m
97	NOT FOUND								
98	NOT FOUND								
99	NOT FOUND								
100	NOT FOUND								

No	Ret(L)	Ratio	RRT(L)	Ratio	Amnt	Amnt(L)	R.Fac	R.Fac(L)	Ratio
51	17:18		0.924						
52	17:34		0.938						
53	18:04		0.965						
54	18:13		0.973						
55	18:22		0.980						
56	18:39		0.996						
57	18:50		1.005						
58	18:55		1.010						
59	19:05		1.019						
60	19:17	1.01	1.029	1.00	0.12	50.00	0.004	1.741	0.00
61	19:17		1.029						
62	19:10		1.023						
63	19:29		1.040						

00685

64	19:36		1.046						
65	19:42		1.052						
66	19:55	1.00	1.064	1.00	0.90	50.00	0.027	1.491	0.02
67	20:12		1.078						
68	20:11	1.01	1.077	1.00	0.09	50.00	0.003	1.349	0.00
69	20:14		1.081						
70	20:19		0.898						
71	20:31		0.907						
72	20:37		0.911						
73	21:28		0.949						
74	21:20		0.943						
75	21:36		0.955						
76	22:09		0.979						
77	22:07		0.978						
78	22:19		0.986						
79	22:10		0.980						
80	22:42	1.00	1.004	1.00	1.40	50.00	0.030	1.065	0.03
81	22:50	1.00	1.009	1.00	0.15	50.00	0.003	1.072	0.00
82	24:11	1.01	1.069	1.00	0.20	50.00	0.005	1.313	0.00
83	25:48	1.00	1.141	1.00	2.72	50.00	0.045	0.828	0.05
84	26:24	1.00	0.893	1.00	3.17	50.00	0.112	1.758	0.06
85	26:09		0.885						
86	27:11		0.920						
87	28:06	1.00	0.951	1.00	0.36	50.00	0.005	0.684	0.01
88	29:28		0.997						
89	29:32	1.00	0.999	1.00	1.51	50.00	0.034	1.132	0.03
90	29:38	1.00	1.002	1.00	1.69	50.00	0.039	1.144	0.03
91	29:35	1.00	1.001	1.00	7.02	50.00	0.202	1.440	0.14
92	31:26		0.915						
93	32:49		0.956						
94	32:50	1.00	0.956	1.00	2.21	50.00	0.060	1.351	0.04
95	32:56	1.00	0.959	1.00	0.62	50.00	0.015	1.229	0.01
96	34:07	1.00	0.993	1.00	1.27	50.00	0.029	1.135	0.03
97	35:42		1.040						
98	40:11		1.170						
99	40:11		1.170						
100	41:46		1.216						

Quantitation Report File: AD21S13591

Data: AD21S13591.TI
06/15/91 0:06:00
Sample: S7 91-13591
Conds.: MS-B CASE: EOH0022
Submitted by: Analyst: JOHNSON

AMOUNT=AREA * REF AMNT/(REF AREA * RESP FACT)
Resp. fac. from Library Entry

No	Name
101	DIBENZ(A,J)ACRIDINE
102	BENZOIC ACID

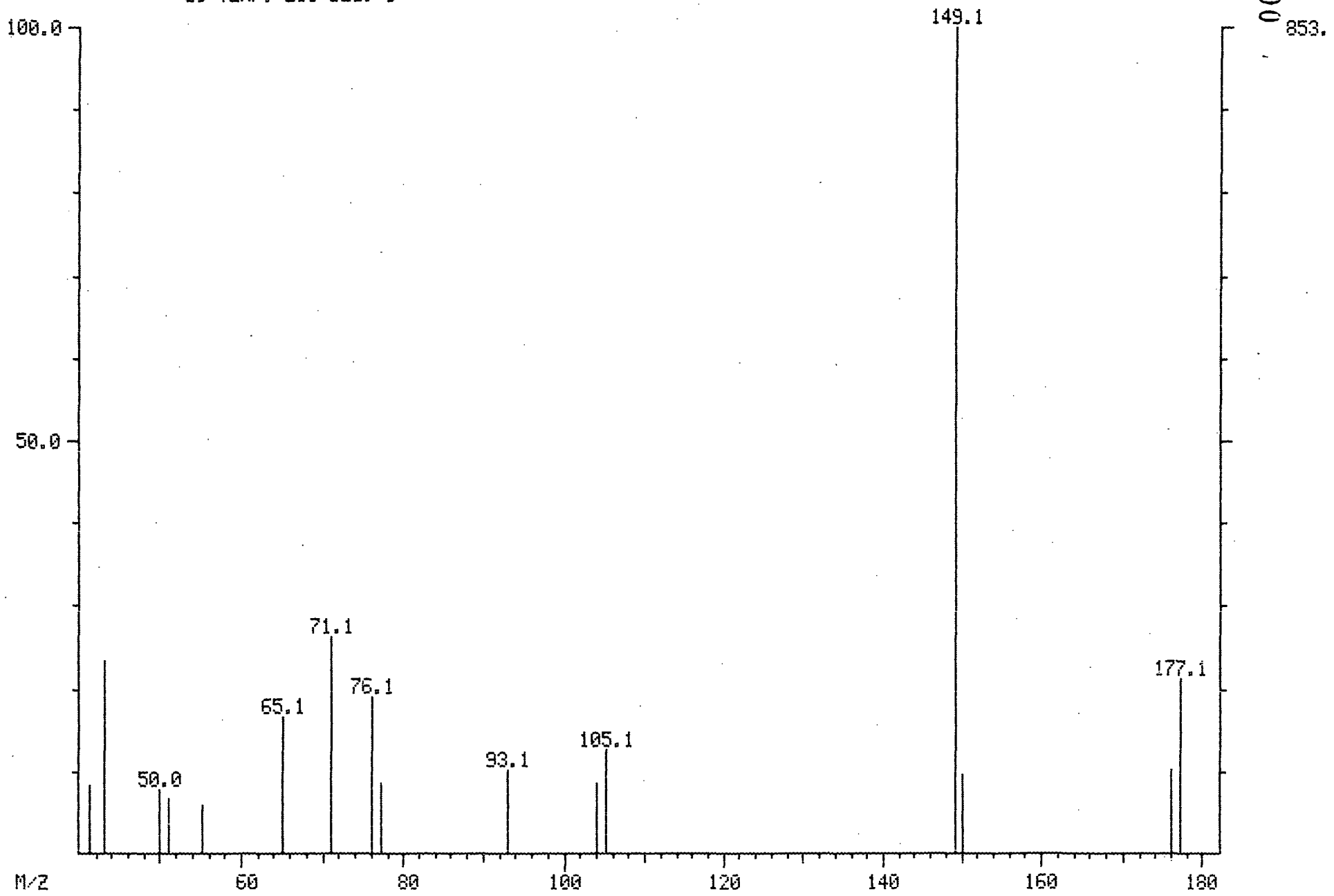
No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount	%Tot
101	NOT FOUND								
102	NOT FOUND								

No	Ret(L)	Ratio	RRT(L)	Ratio	Amnt	Amnt(L)	R.Fac	R.Fac(L)	Ratio
101	38:55		1.133						
102	13:37		0.960						

MID MASS SPECTRUM
06/15/91 0:06:00 + 20:01
SAMPLE: S7 91-13591
CONDS.: MS-B CASE: EOH0022
GC TEMP: 200 DEG. C

DATA: AD21S13591 #1245
CALI: AD21S13591 #2

BASE M/Z: 149
RIC: 2524.



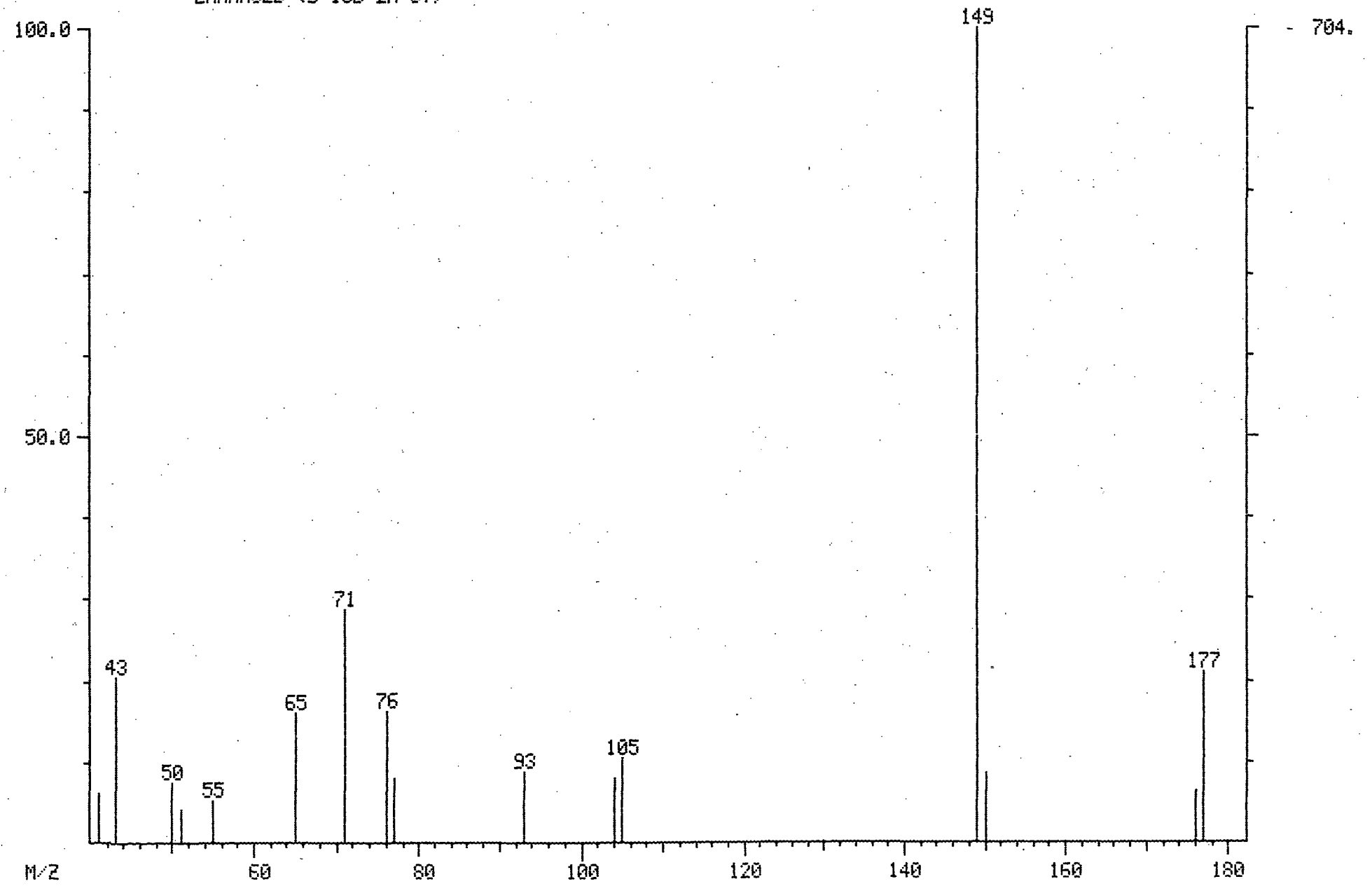
00688

MID MASS SPECTRUM
06/15/91 0:06:00 + 20:01
SAMPLE: S7 91-13591
CONDS.: MS-B CASE: EOH0022
GC TEMP: 200 DEG. C
ENHANCED (S 15B 2N 0T)

DATA: AD21S13591 #1245
CALI: AD21S13591 #2

BASE M/Z: 149
RIC: 1938.

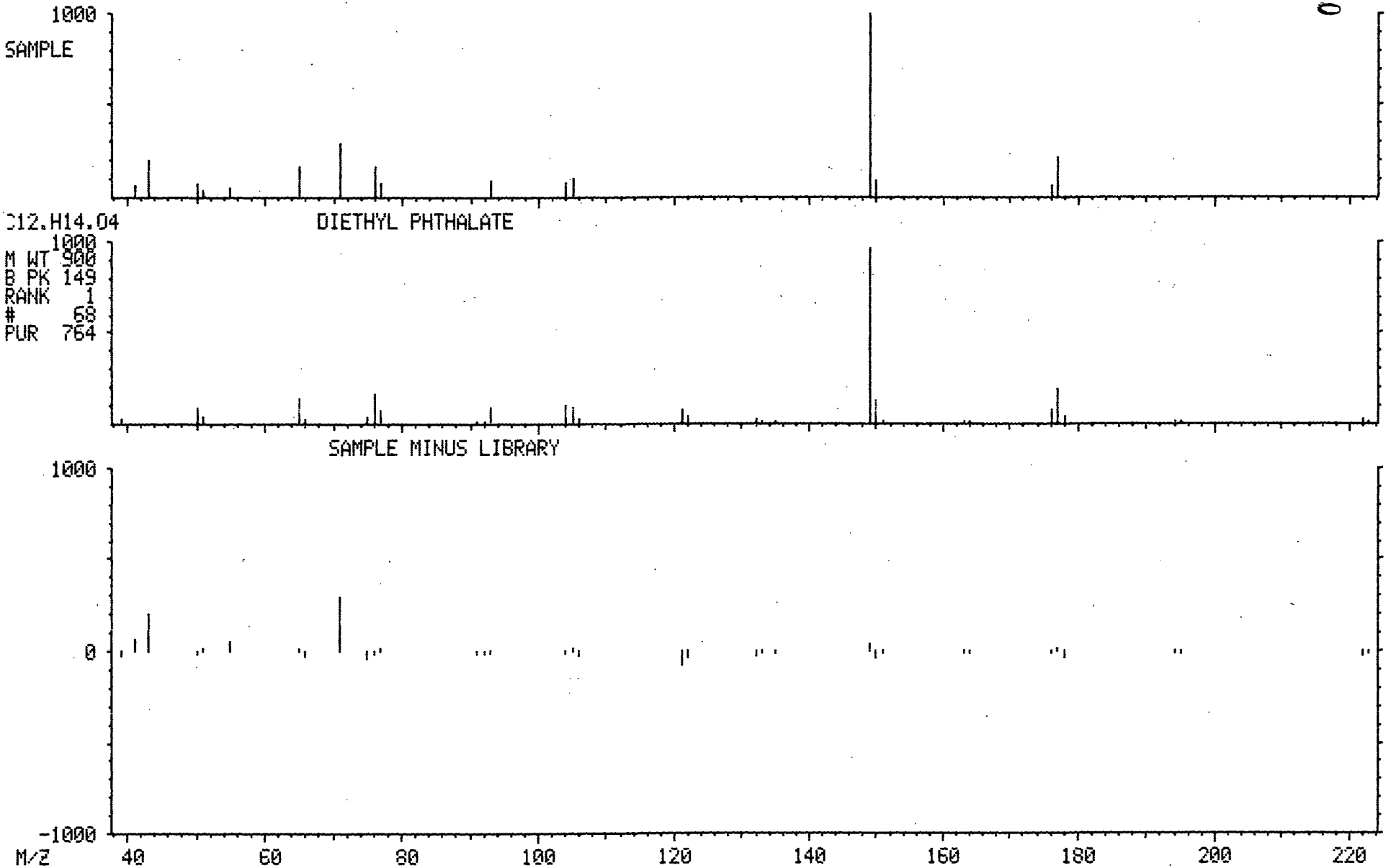
69900



MID LIBRARY SEARCH
06/15/91 0:06:00 + 20:01
SAMPLE: S7 91-13591
CONDS.: MS-B CASE: EOH0022
ENHANCED (S 15B 2N 0T)

DATA: AD21513591 #1245 BASE M/Z: 143
CALI: AD21513591 # 2 RIC: 1937.

06900

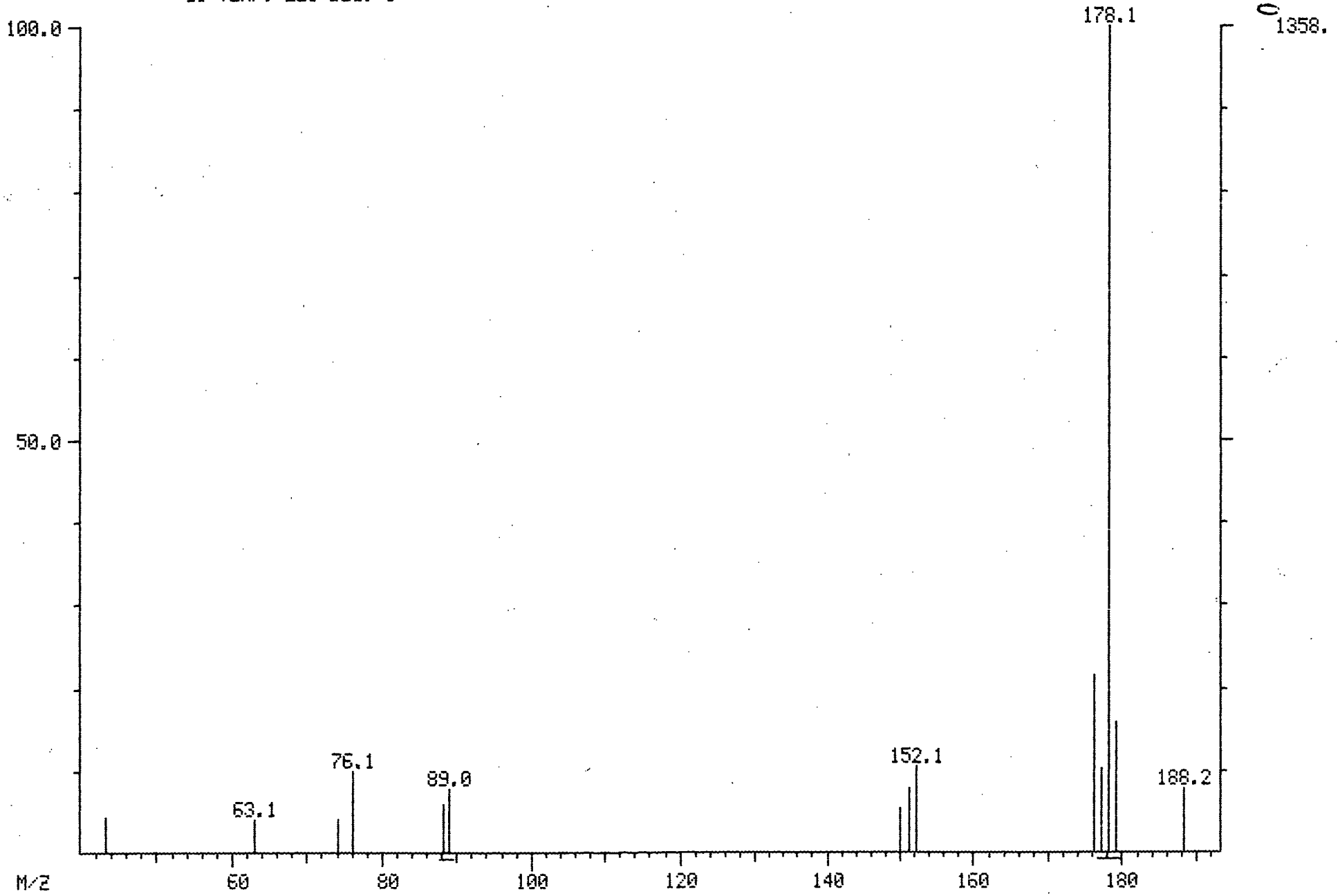


MID MASS SPECTRUM
06/15/91 0:06:00 + 22:49
SAMPLE: S7 91-13591
CONDS.: MS-B CASE: EDH0022
GC TEMP: 228 DEG. C

DATA: AD21S13591 #1419
CALI: AD21S13591 #2

BASE M/Z: 178
RIC: 2928.

16900

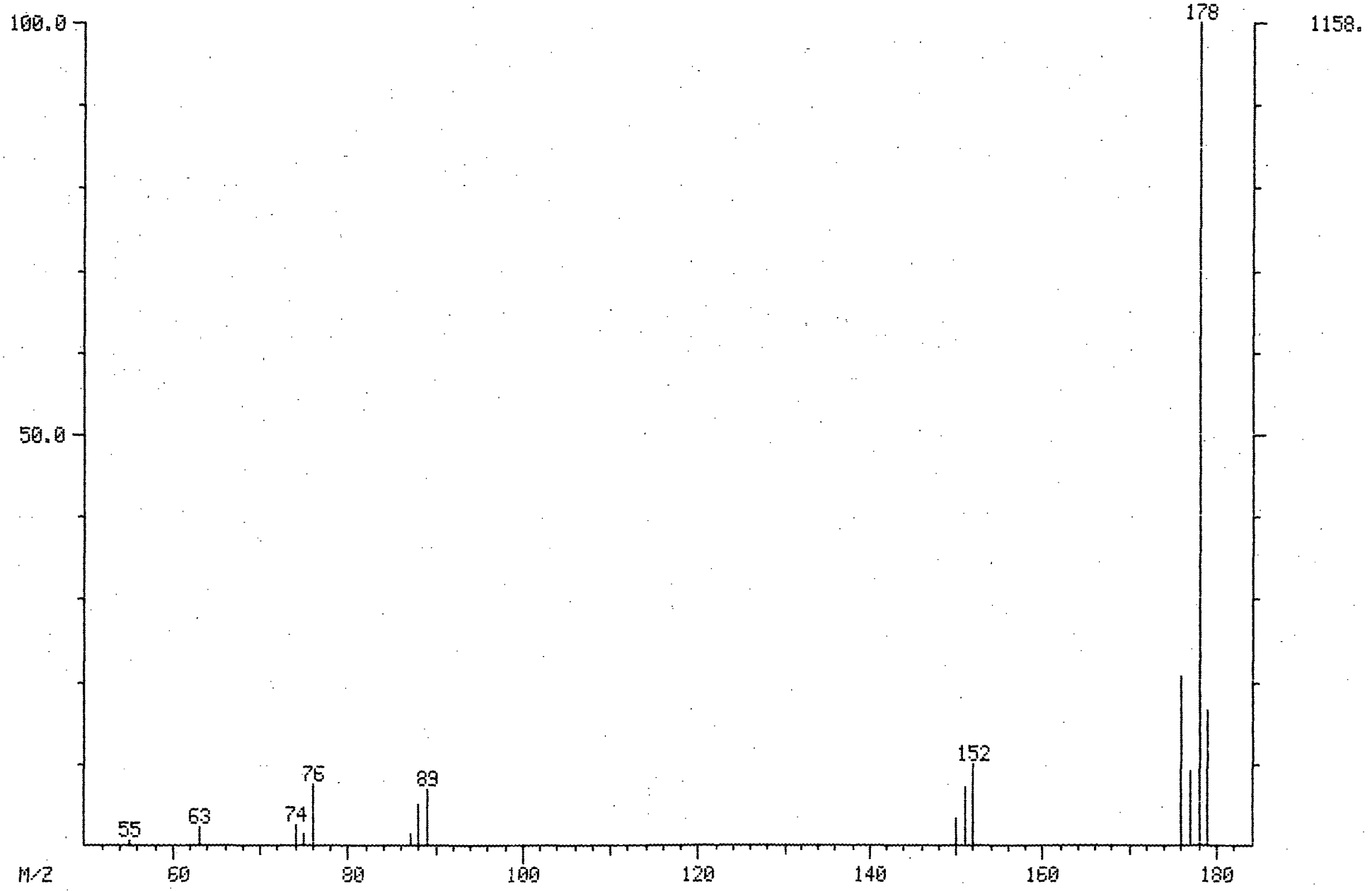


MID MASS SPECTRUM
06/15/91 0:06:00 + 22:49
SAMPLE: S7 91-13591
CONDS.: MS-B CASE: EOH0022
GC TEMP: 228 DEG. C
ENHANCED (S 15B 2N 0T)

DATA: AD21S13591 #1419
CALI: AD21S13591 #2

BASE M/Z: 178
RIC: 2248.

00692

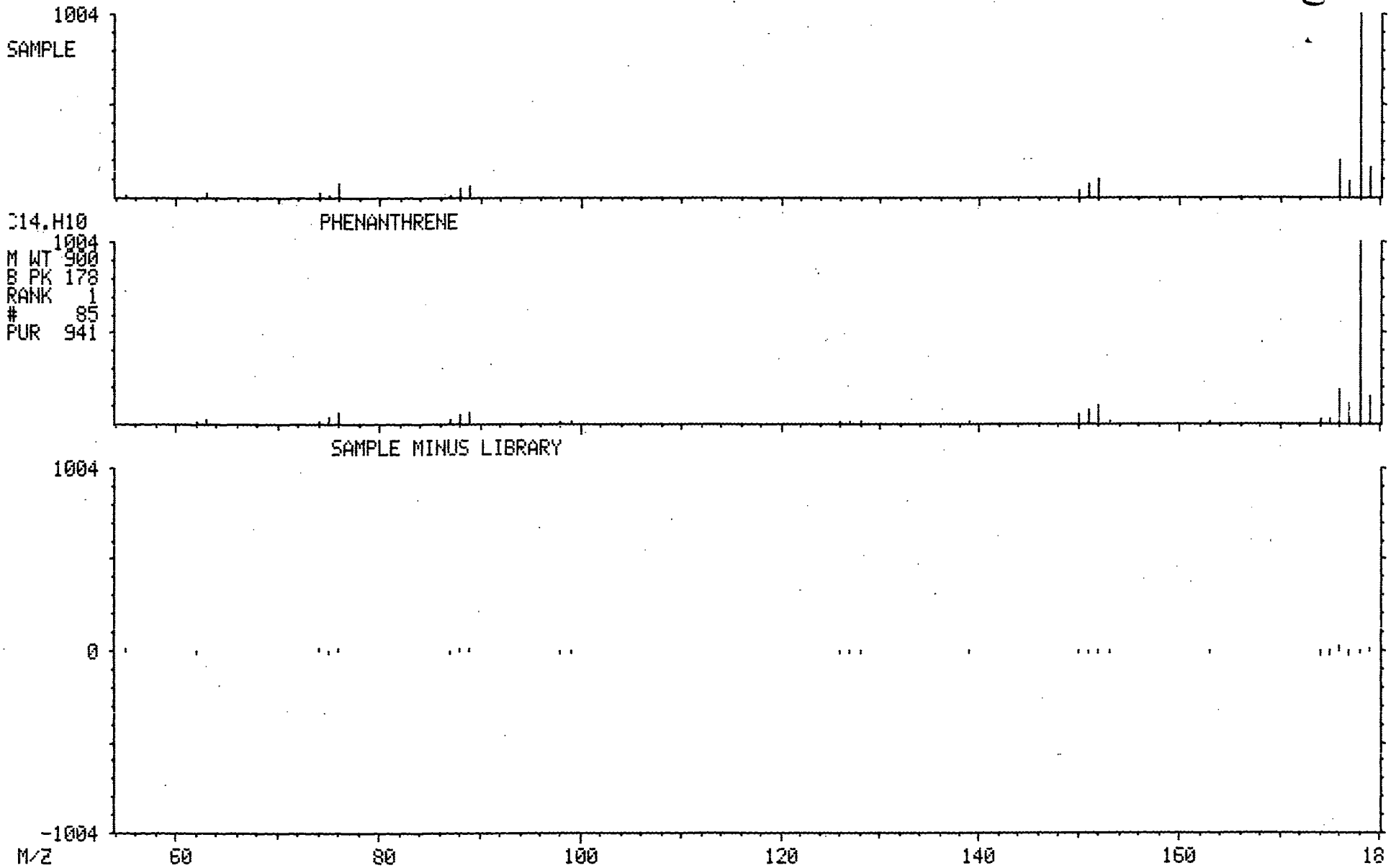


MID LIBRARY SEARCH
06/15/91 0:06:00 + 22:49
SAMPLE: S7 91-13591
CONDS.: MS-B CASE: EDH0022
ENHANCED (S 15B 2N 0T)

DATA: AD21S13591 #1419
CALI: AD21S13591 # 2

BASE M/Z: 178
RIC: 2247.

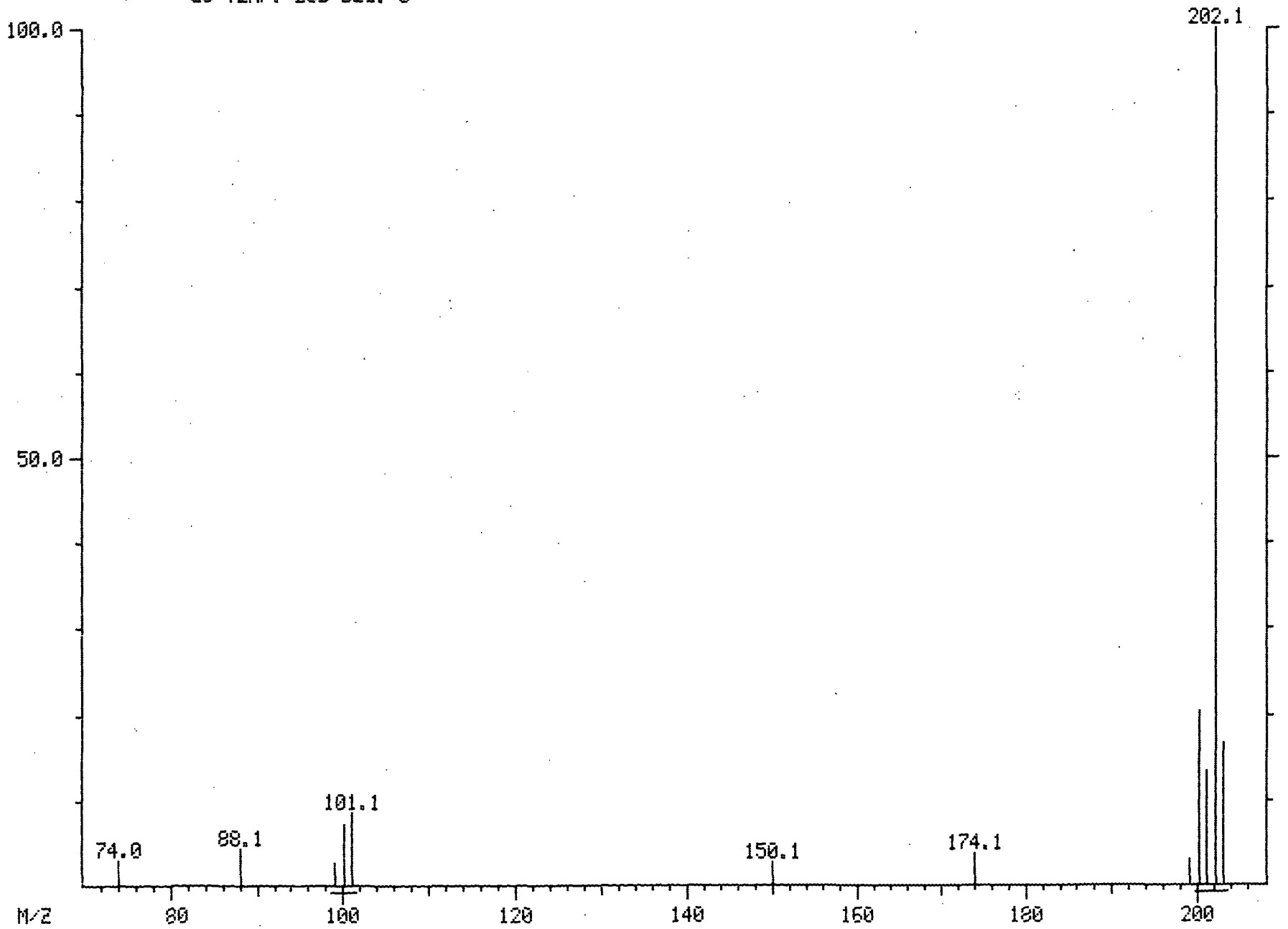
00693



MID MASS SPECTRUM
06/15/91 0:06:00 + 25:56
SAMPLE: S7 91-13591
CONDS.: MS-B CASE: EOH0022
GC TEMP: 259 DEG. C

DATA: AD21S13591 #1613
CALI: AD21S13591 #2

BASE M/Z: 202
RIC: 3828.



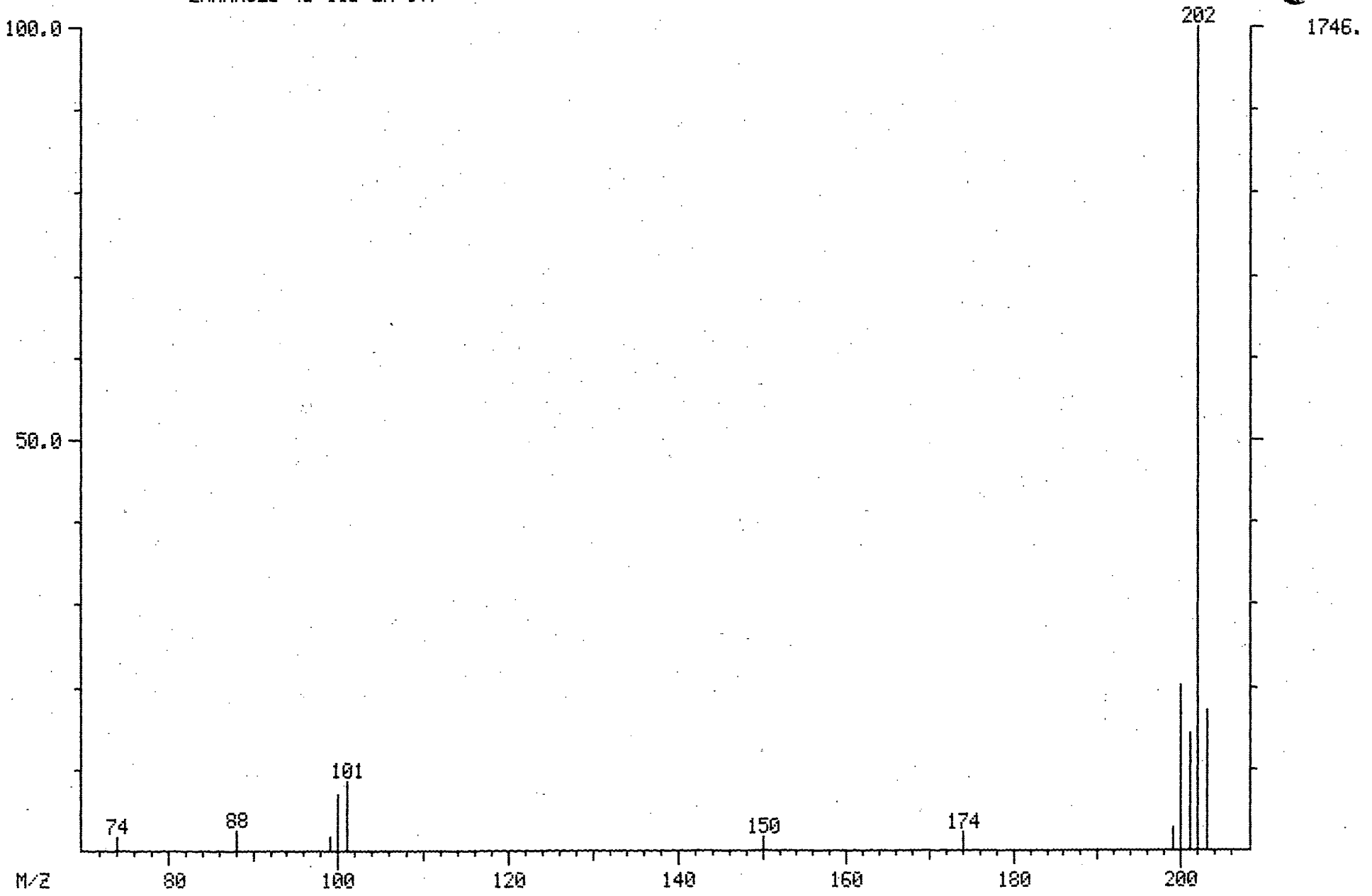
00694

MID MASS SPECTRUM
06/15/91 0:06:00 + 25:56
SAMPLE: S7 91-13591
CONDS.: MS-B CASE: EOH0022
GC TEMP: 259 DEG. C
ENHANCED (S 15B 2N 0T)

DATA: AD21S13591 #1613
CALI: AD21S13591 #2

BASE M/Z: 202
RIC: 3136.

00695

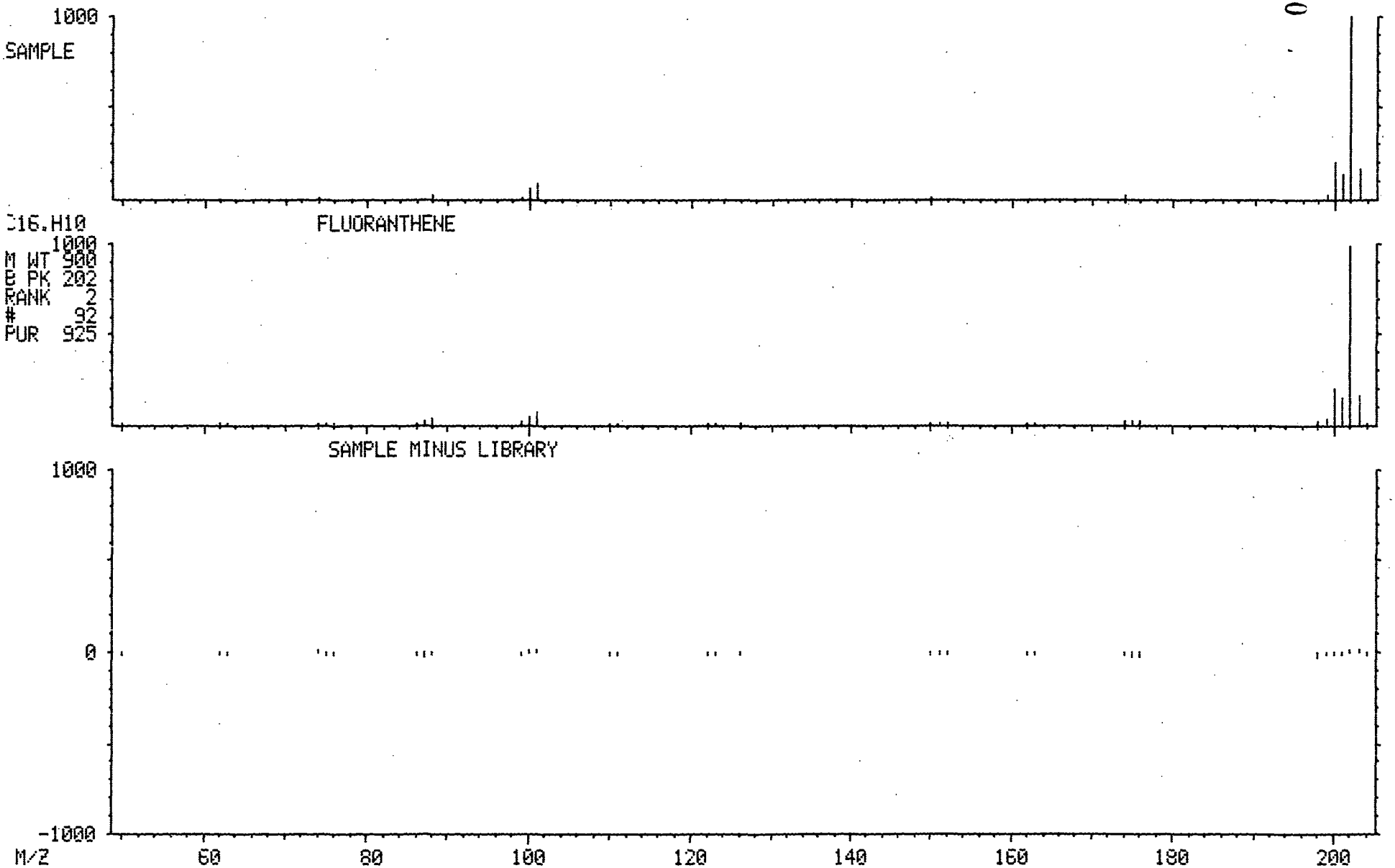


MID LIBRARY SEARCH
06/15/91 0:06:00 + 25:56
SAMPLE: S7 91-13591
CONDS.: MS-B CASE: EOH0022
ENHANCED (S 15B 2N 0T)

DATA: AD21513591 #1613
CALI: AD21513591 # 2

BASE M/Z: 202
RIC: 3135.

00696

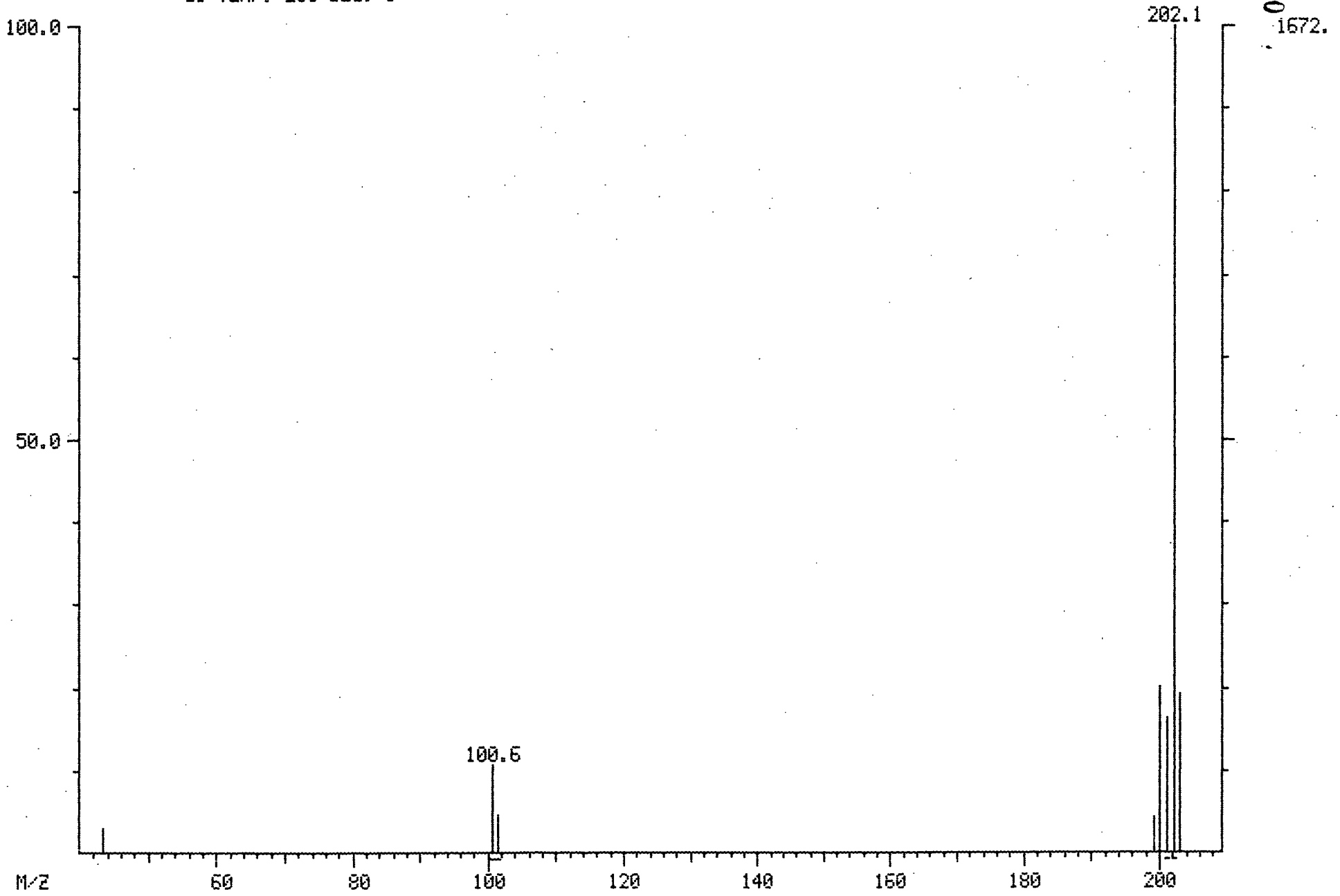


MID MASS SPECTRUM
06/15/91 0:06:00 + 26:32
SAMPLE: S7 91-13591
CONDS.: MS-B CASE: EOH0022
GC TEMP: 265 DEG. C

DATA: AD21S13591 #1650
CALI: AD21S13591 #2

BASE M/Z: 202
RIC: 2992.

00697

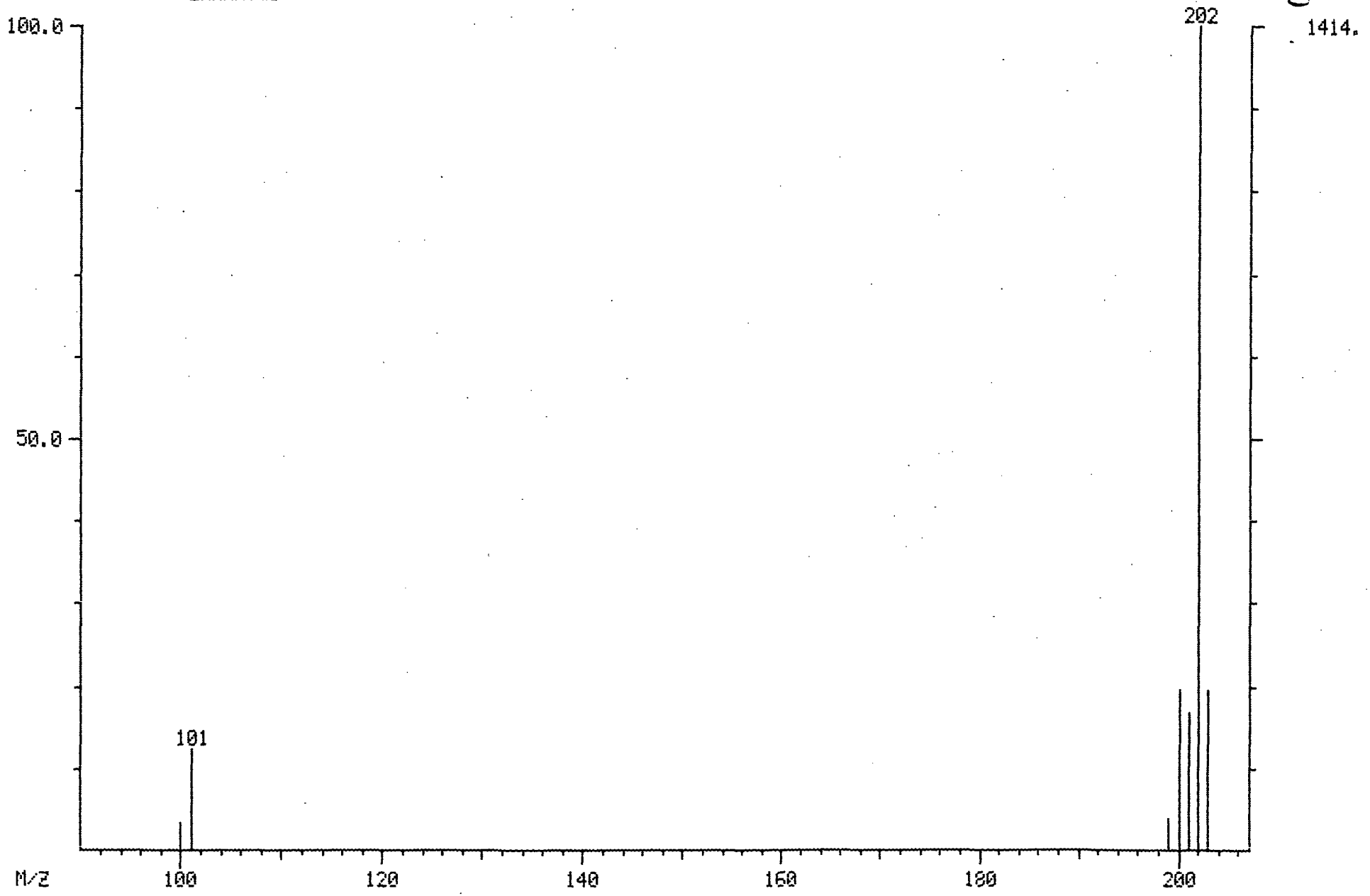


MID MASS SPECTRUM
06/15/91 0:06:00 + 26:32
SAMPLE: S7 91-13591
CONDS.: MS-B CASE: EOH0022
GC TEMP: 265 DEG. C
ENHANCED (S 15B 2N 0T)

DATA: AD21S13591 #1650
CALI: AD21S13591 #2

BASE M/Z: 202
RIC: 2488.

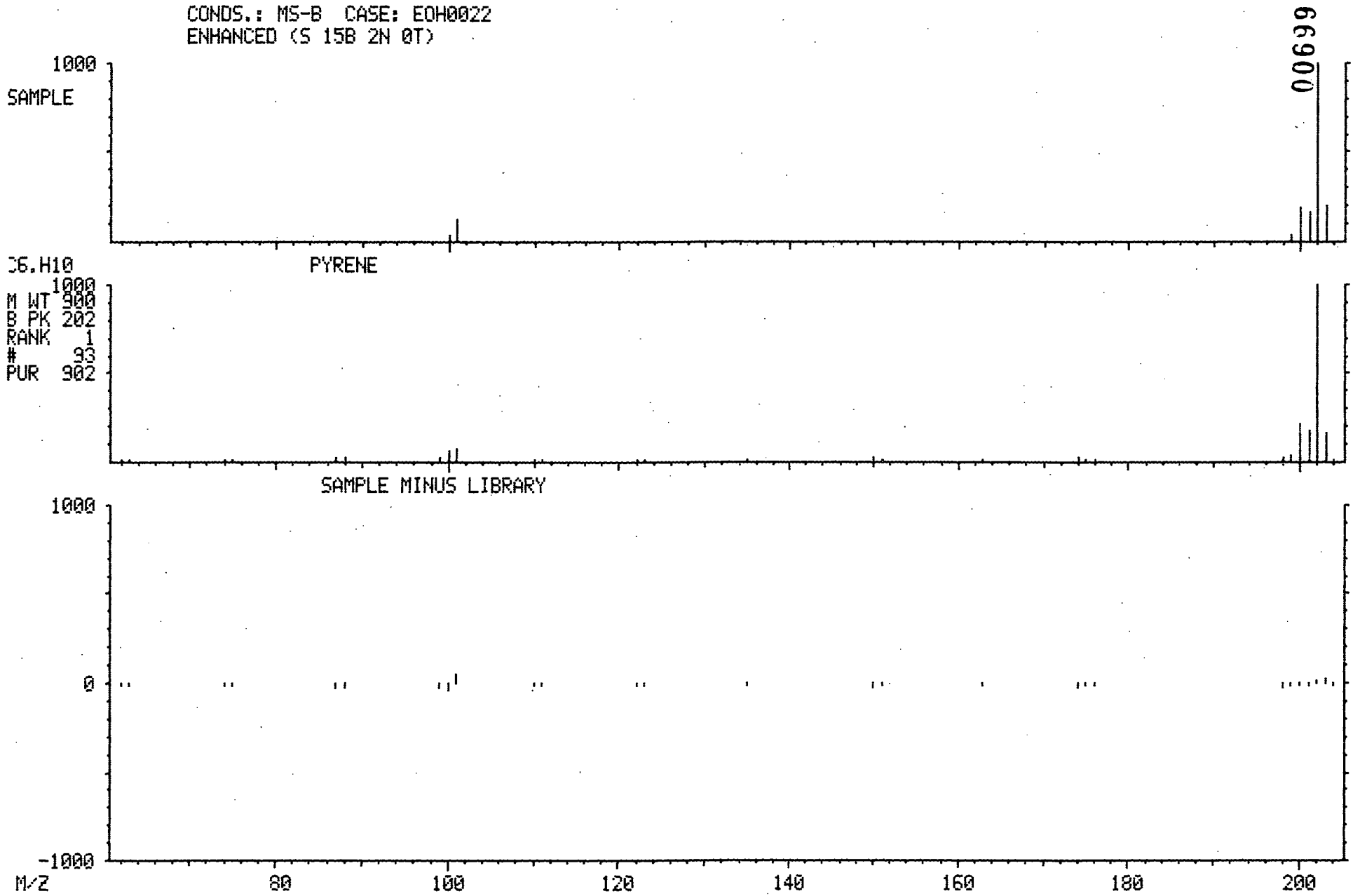
00698



MID LIBRARY SEARCH
06/15/91 0:06:00 + 26:32
SAMPLE: S7 91-13591
CONDS.: MS-B CASE: EOH0022
ENHANCED (S 15B 2N 0T)

DATA: AD21S13591 #1650
CALI: AD21S13591 # 2

BASE M/Z: 202
RIC: 2487.

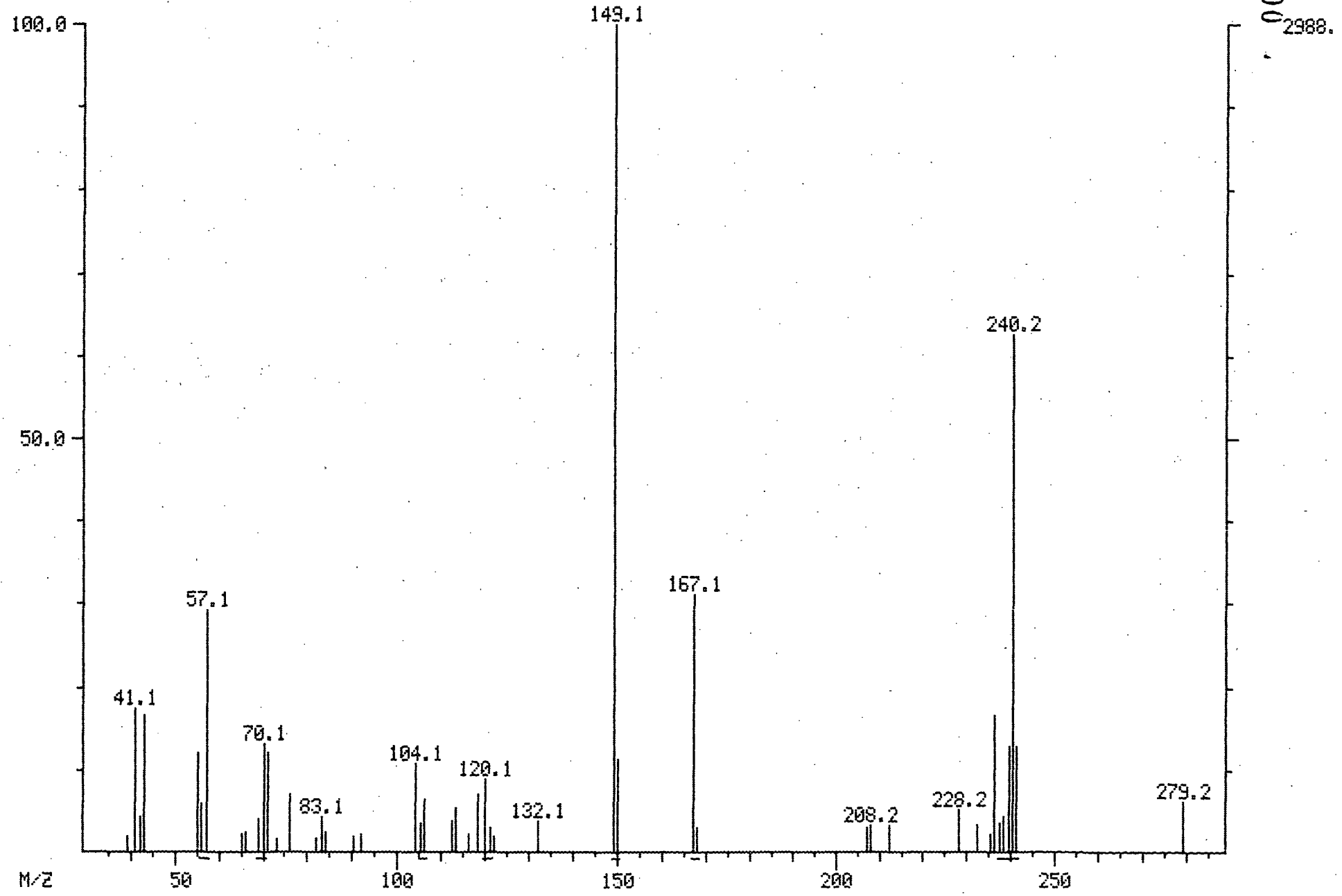


MID MASS SPECTRUM
06/15/91 0:06:00 + 29:43
SAMPLE: 57 91-13591
CONDS.: MS-B CASE: EOH0022
GC TEMP: 297 DEG. C

DATA: AD21513591 #1848
CALI: AD21513591 #2

BASE M/Z: 149
RIC: 14432.

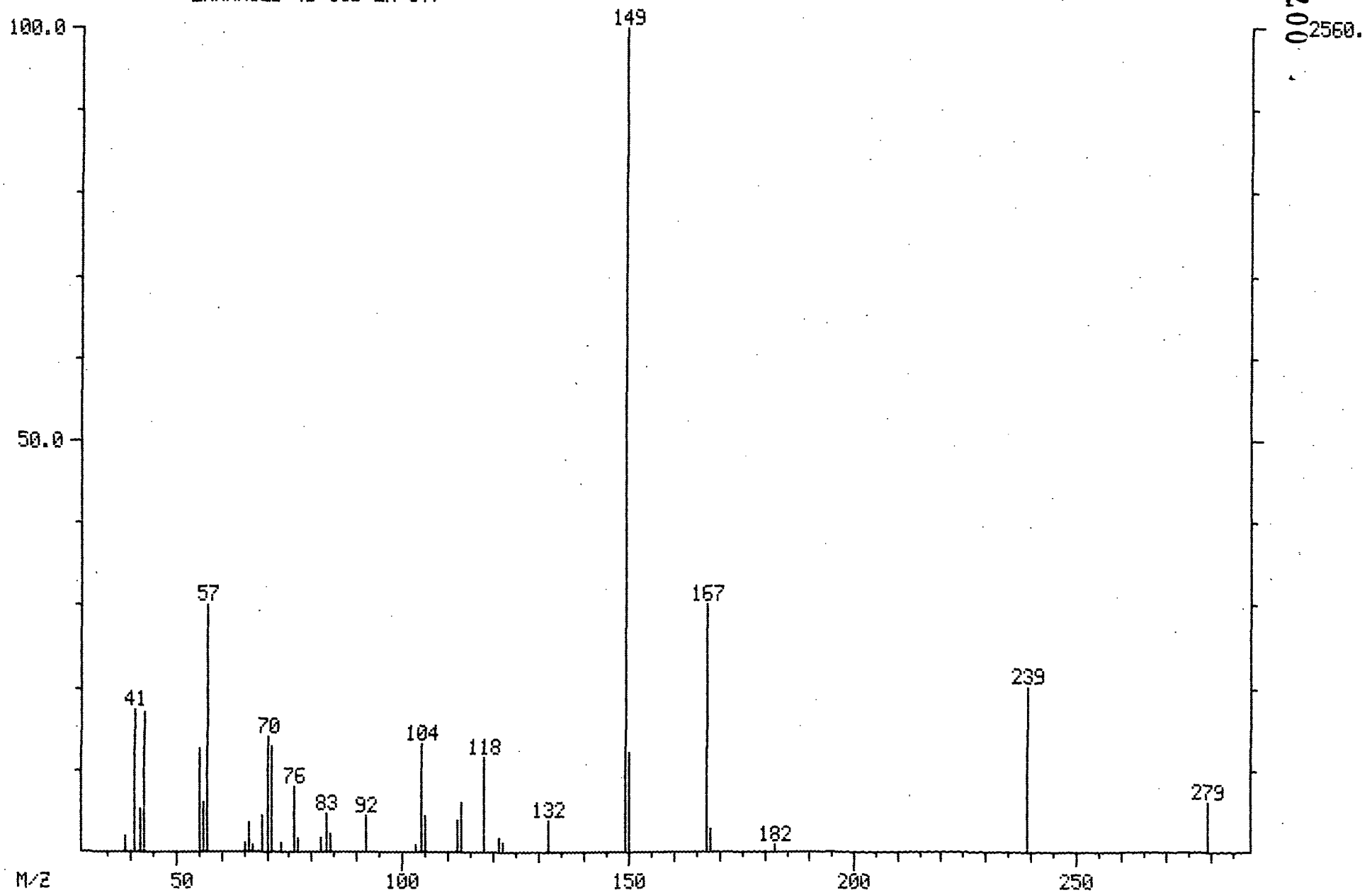
00100



MID MASS SPECTRUM
06/15/91 0:06:00 + 29:43
SAMPLE: S7 91-13591
CONDS.: MS-B CASE: EOH0022
GC TEMP: 297 DEG. C
ENHANCED (S 15B 2N 0T)

DATA: AD21S13591 #1848
CALI: AD21S13591 #2

BASE M/Z: 149
RIC: 9504.



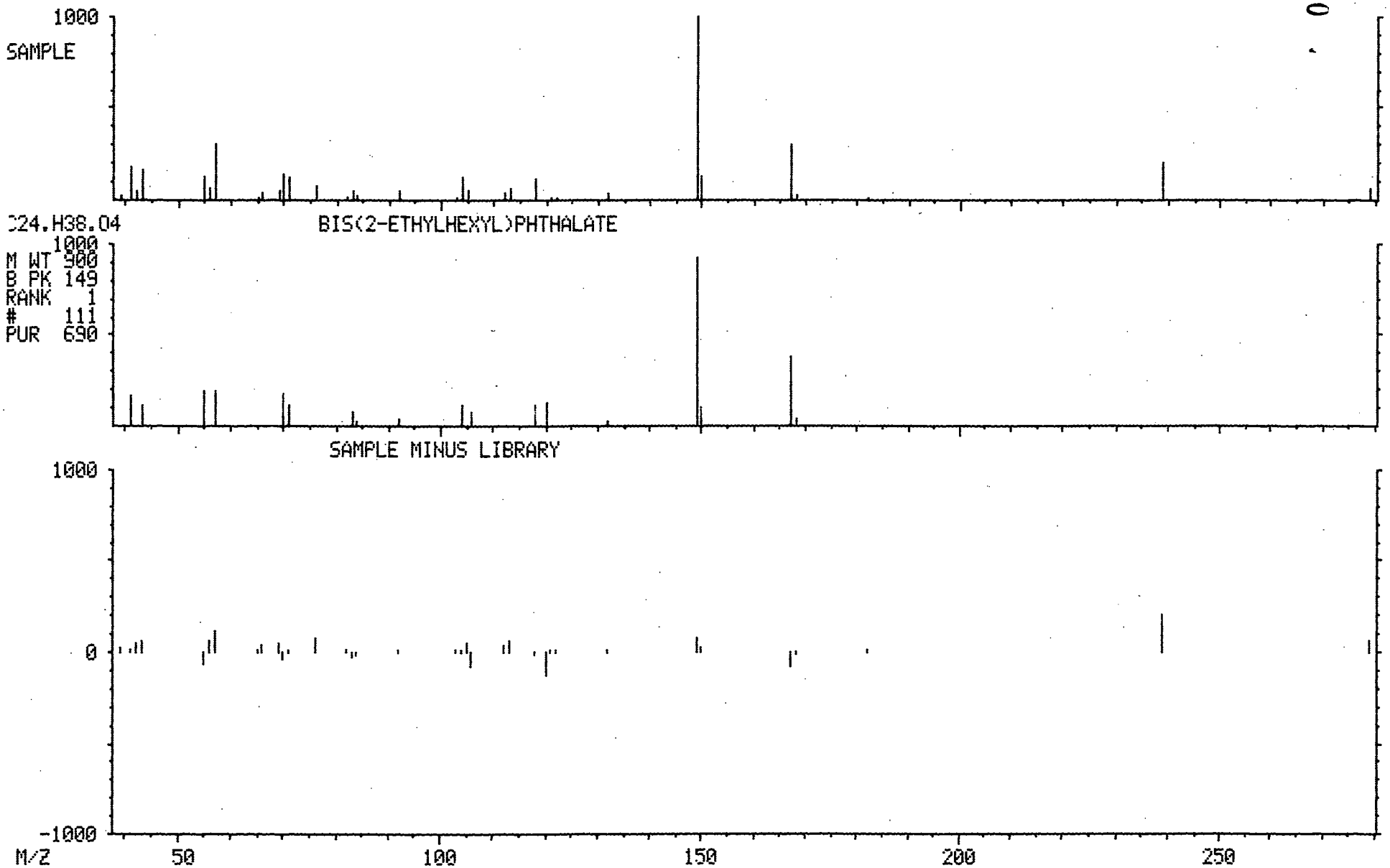
00701

MID LIBRARY SEARCH
06/15/91 0:06:00 + 29:43
SAMPLE: S7 91-13591
CONDS.: MS-B CASE: EOH0022
ENHANCED (S 15B 2N 0T)

DATA: AD21S13591 #1848
CALI: AD21S13591 # 2

BASE M/Z: 149
RIC: 9407.

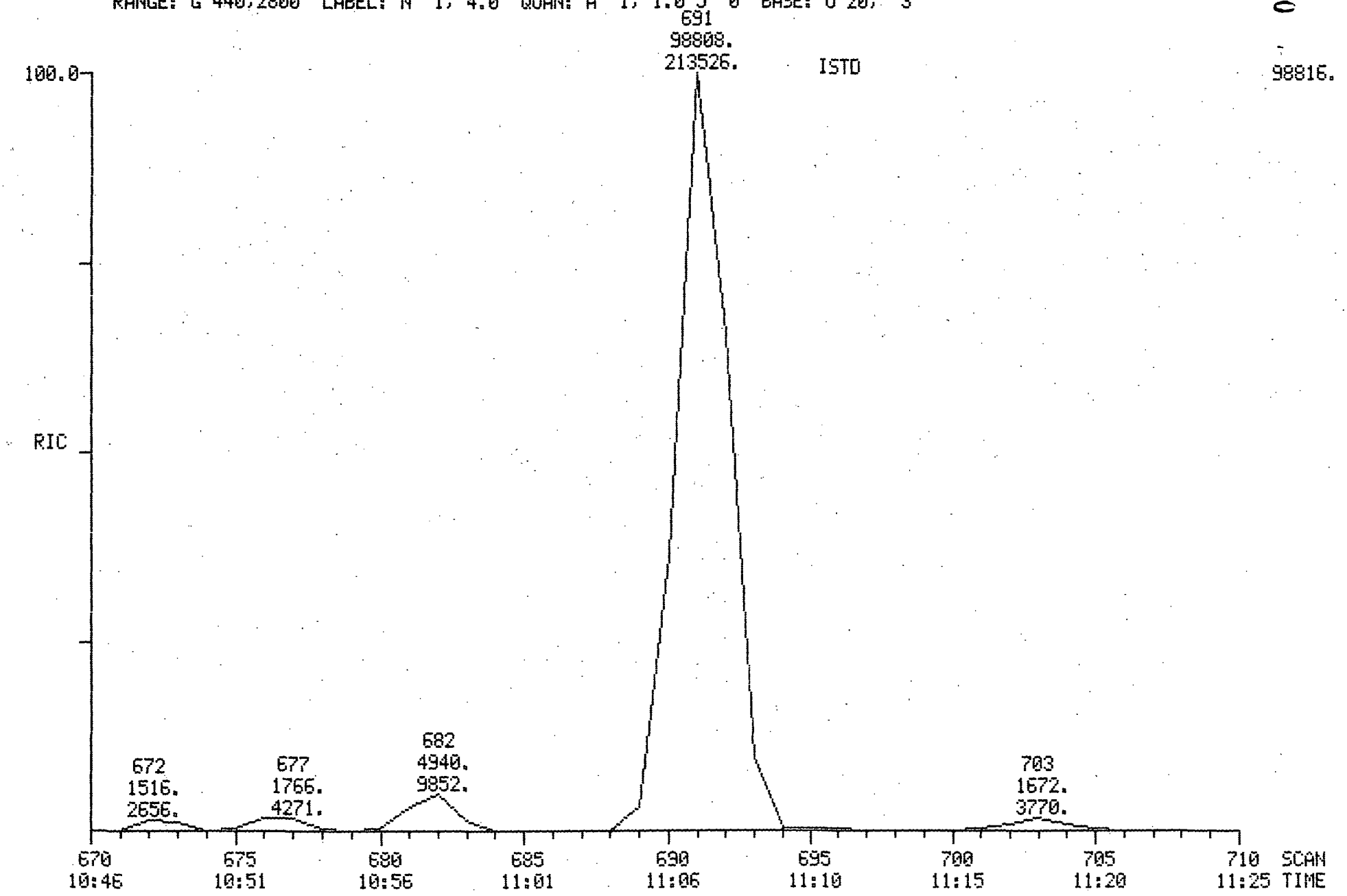
00702



MIDRIC
06/15/91 0:06:00
SAMPLE: S7 91-13591
CONDS.: MS-B CASE: EOH0022
RANGE: G 440,2800 LABEL: N 1, 4.0 QUAN: A 1, 1.0 J 0 BASE: U 20, 3

DATA: AD21513591 #1 SCANS 670 TO 710
CALI: AD21513591 #2

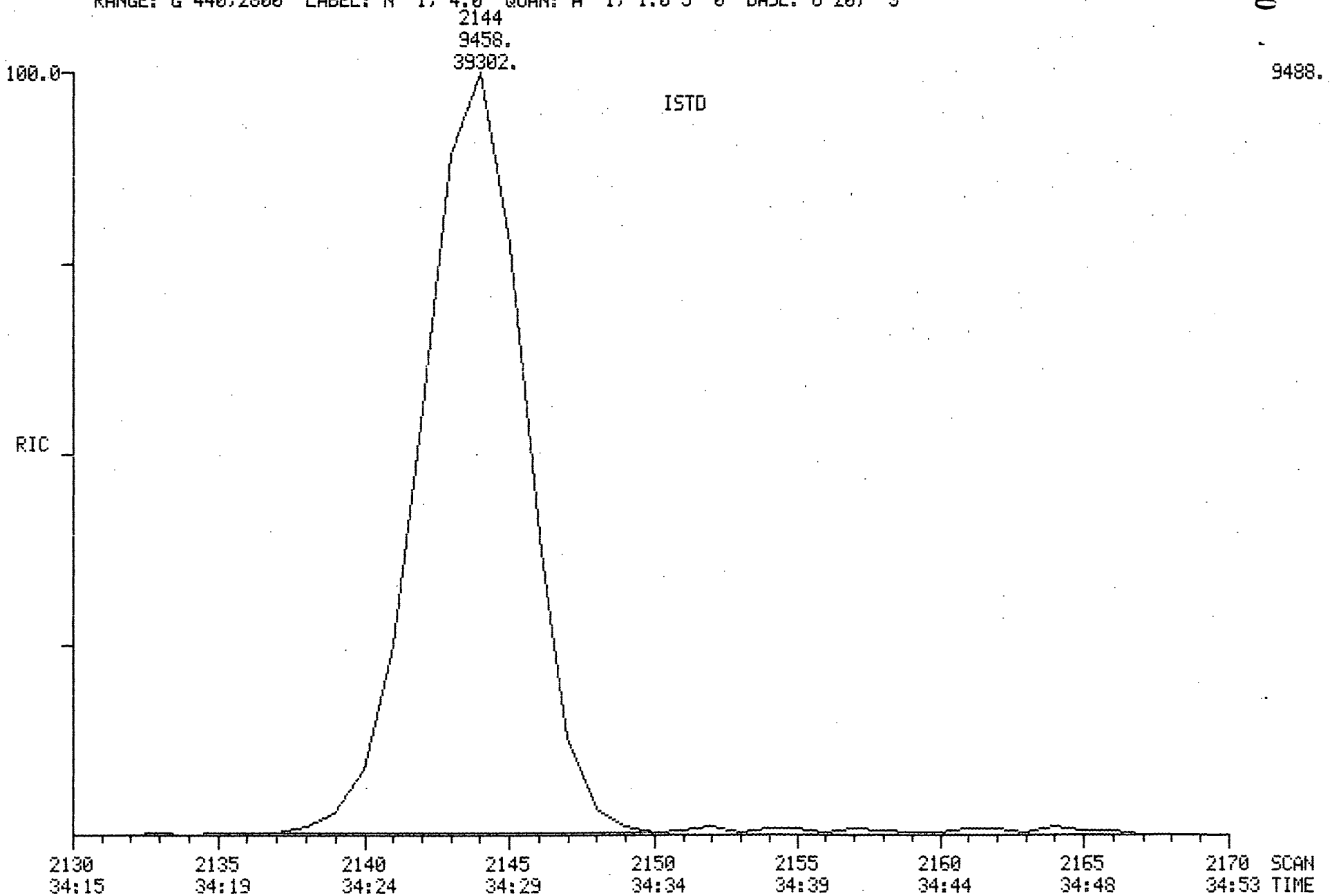
00703



MIDRIC
06/15/91 0:06:00
SAMPLE: S7 91-13591
CONDS.: MS-B CASE: EOH0022
RANGE: G 440,2800 LABEL: N 1, 4.0 QUAN: A 1, 1.0 J 0 BASE: U 20, 3

DATA: AD21513591 #1 SCANS 2130 TO 2170
CALI: AD21513591 #2

00704

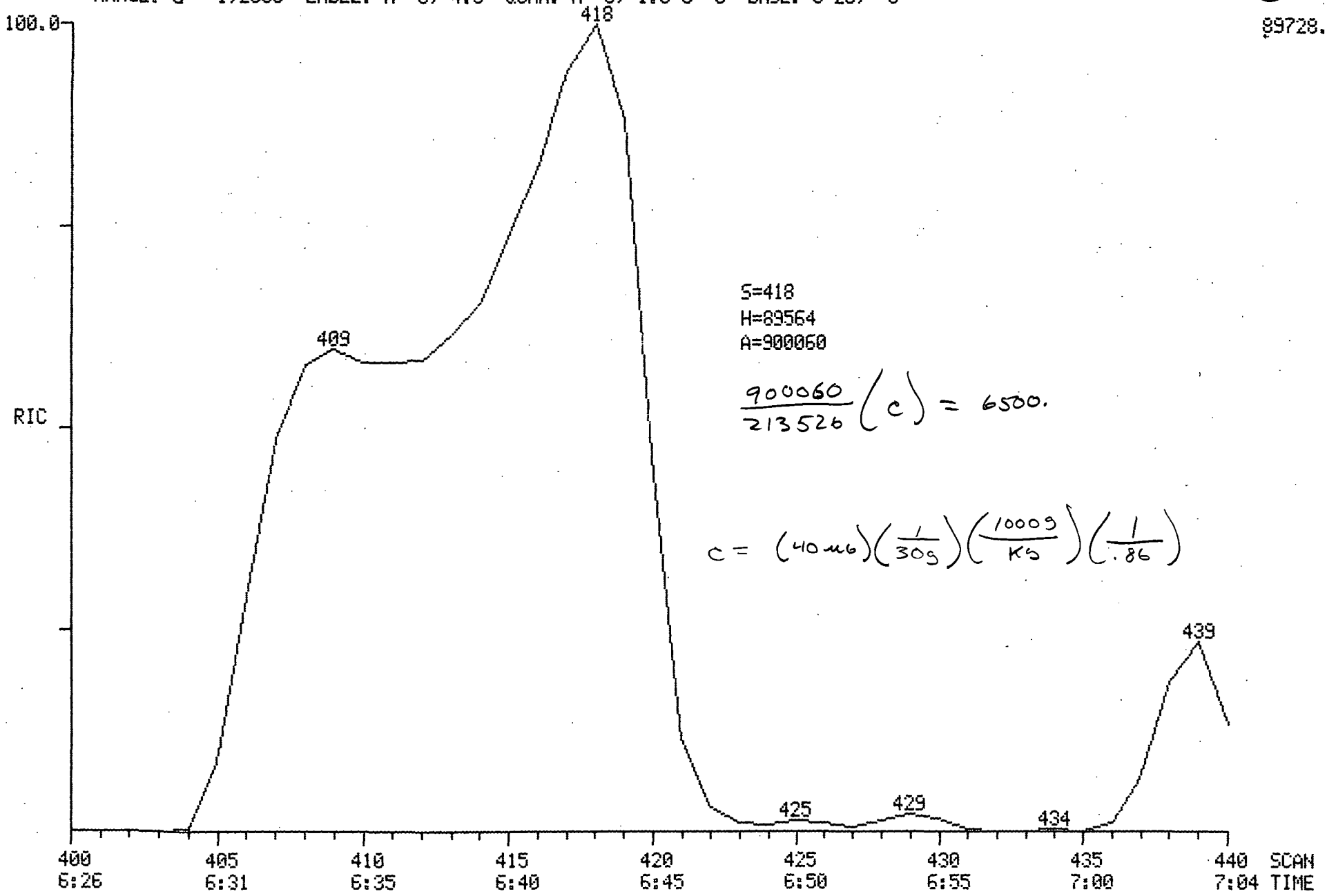


MIDRIC
06/15/91 0:06:00
SAMPLE: S7 91-13591
CONDS.: MS-B CASE: EOH0022
RANGE: G 1,2800 LABEL: N 0, 4.0 QUAN: A 0, 1.0 J 0 BASE: U 20, 3

DATA: AD21513591 #1 SCANS 400 TO 440
CALI: AD21513591 #2

00705

89728.



S=418
H=89564
A=900060

$\frac{900060}{213526}(c) = 6500.$

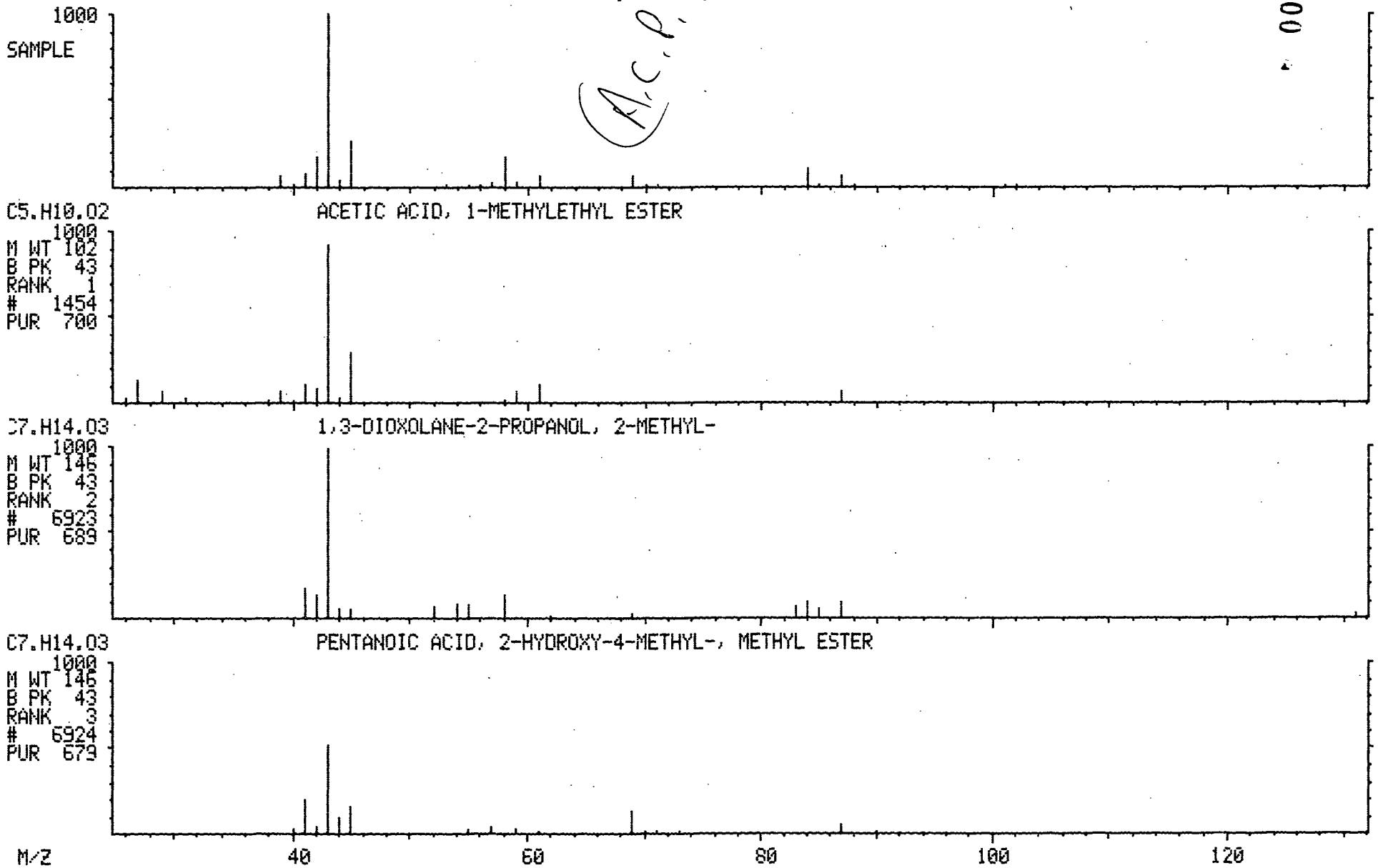
$c = (40\,\mu g)\left(\frac{1}{30g}\right)\left(\frac{1000g}{Kg}\right)\left(\frac{1}{.86}\right)$

MID LIBRARY SEARCH
06/15/91 0:06:00 + 6:43
SAMPLE: S7 91-13591
CONDS.: MS-B CASE: EDH0022
ENHANCED (S 15B 2N 0T)

DATA: AD21S13591 # 418 BASE M/Z: 43
CALI: AD21S13591 # 2 RIC: 62463.

(A.C.P.)

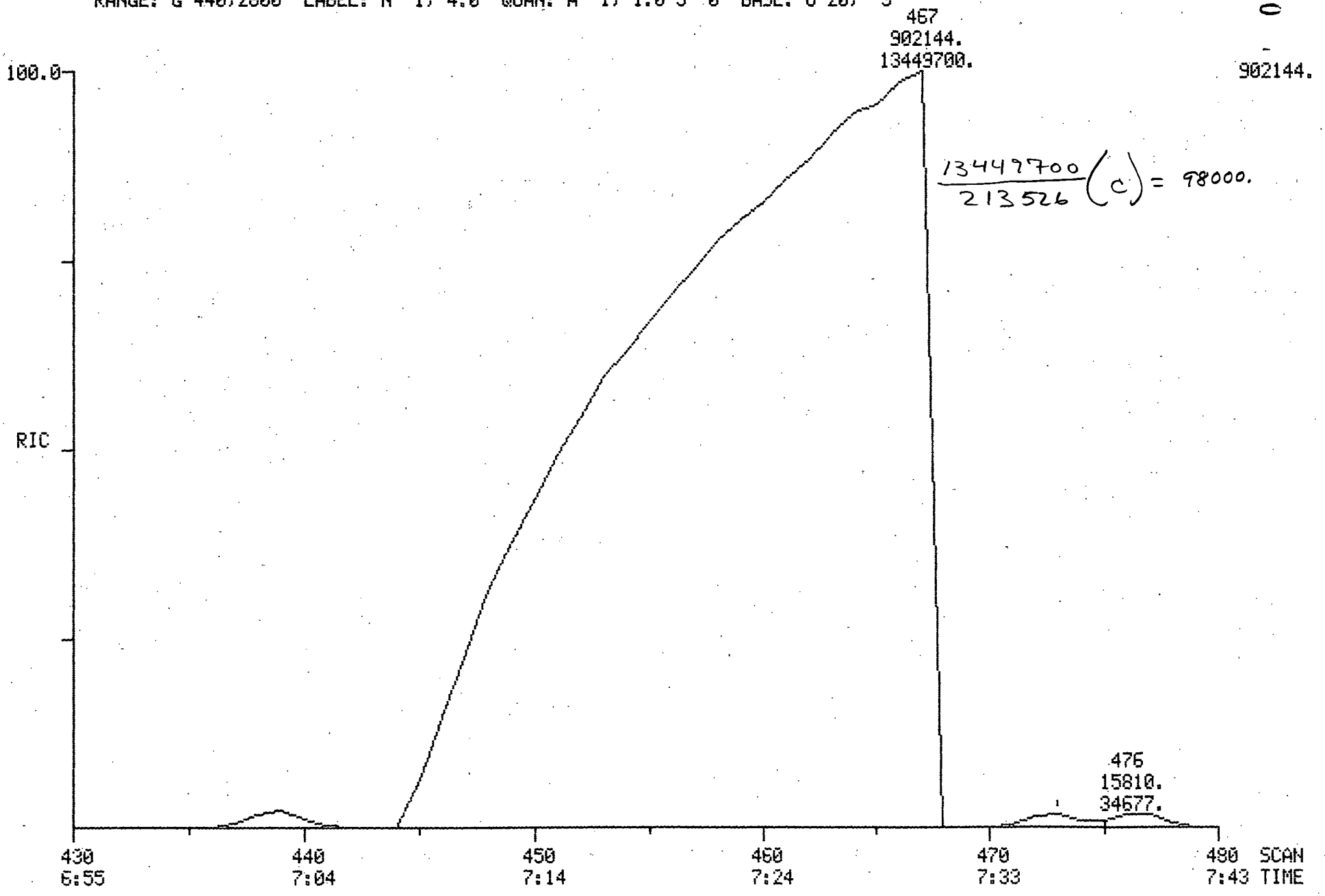
00706



MIDRIC
06/15/91 0:06:00
SAMPLE: S7 91-13591
CONDS.: MS-B CASE: EOH0022
RANGE: G 440,2800 LABEL: N 1, 4.0 QUAN: A 1, 1.0 J 0 BASE: U 20, 3

DATA: AD21513591 #1 SCANS 430 TO 480
CALI: AD21513591 #2

00707



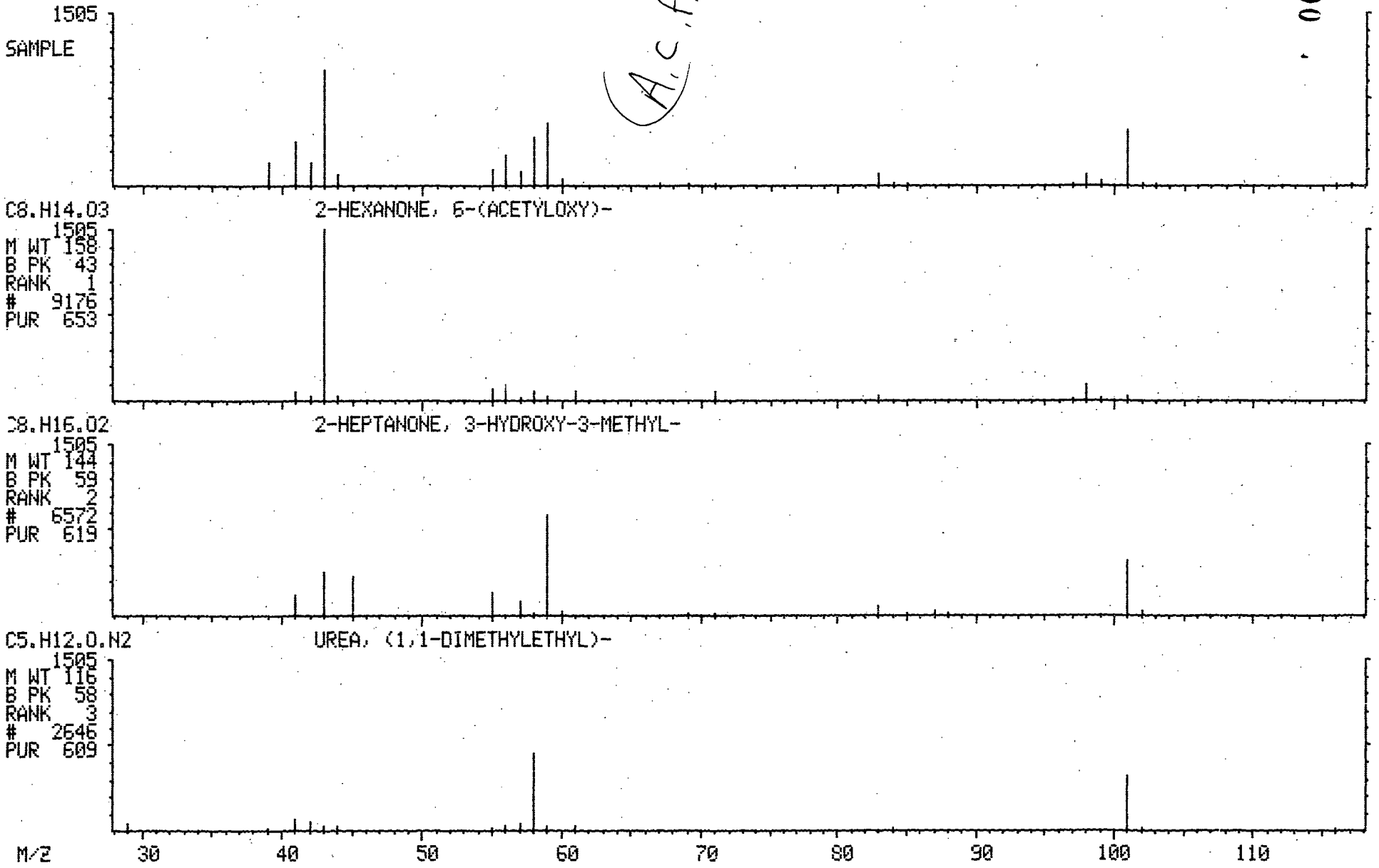
$\frac{13449700}{213526}(c) = 98000.$

MID LIBRARY SEARCH
06/15/91 0:06:00 + 7:30
SAMPLE: S7 91-13591
CONDS.: MS-B CASE: EOH0022
ENHANCED (S 15B 2N 0T)

DATA: AD21513591 # 467 BASE M/Z: 43
CALI: AD21513591 # 2 RIC: 365055.

(A.C.P.)

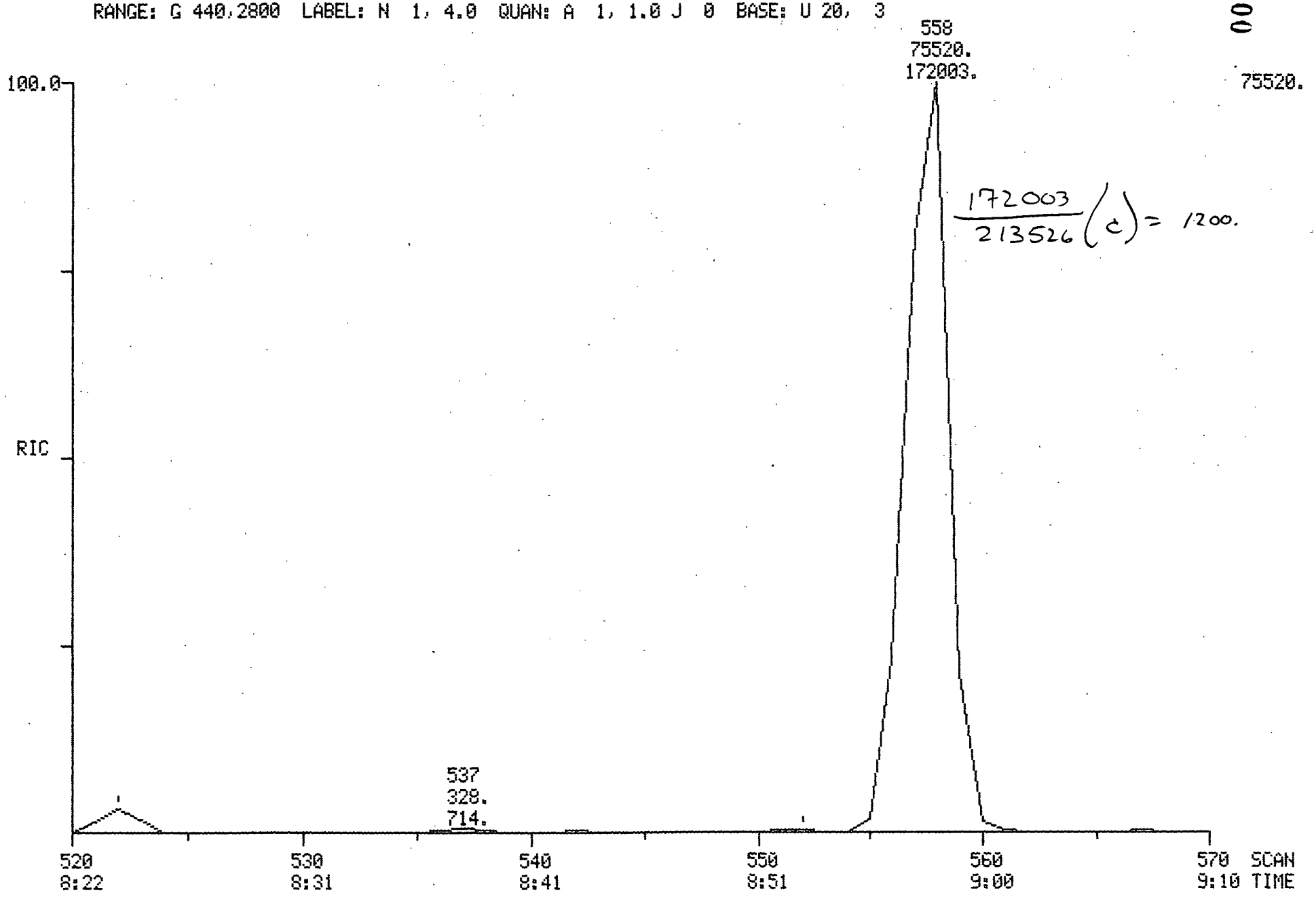
00708



MIDRIC
06/15/91 0:06:00
SAMPLE: S7 91-13591
CONDS.: MS-B CASE: EOH0022
RANGE: G 440,2800 LABEL: N 1, 4.0 QUAN: A 1, 1.0 J 0 BASE: U 20, 3

DATA: AD21513591 #1 SCANS 520 TO 570
CALI: AD21513591 #2

00709



$\frac{172003}{213526}(c) = 1200.$

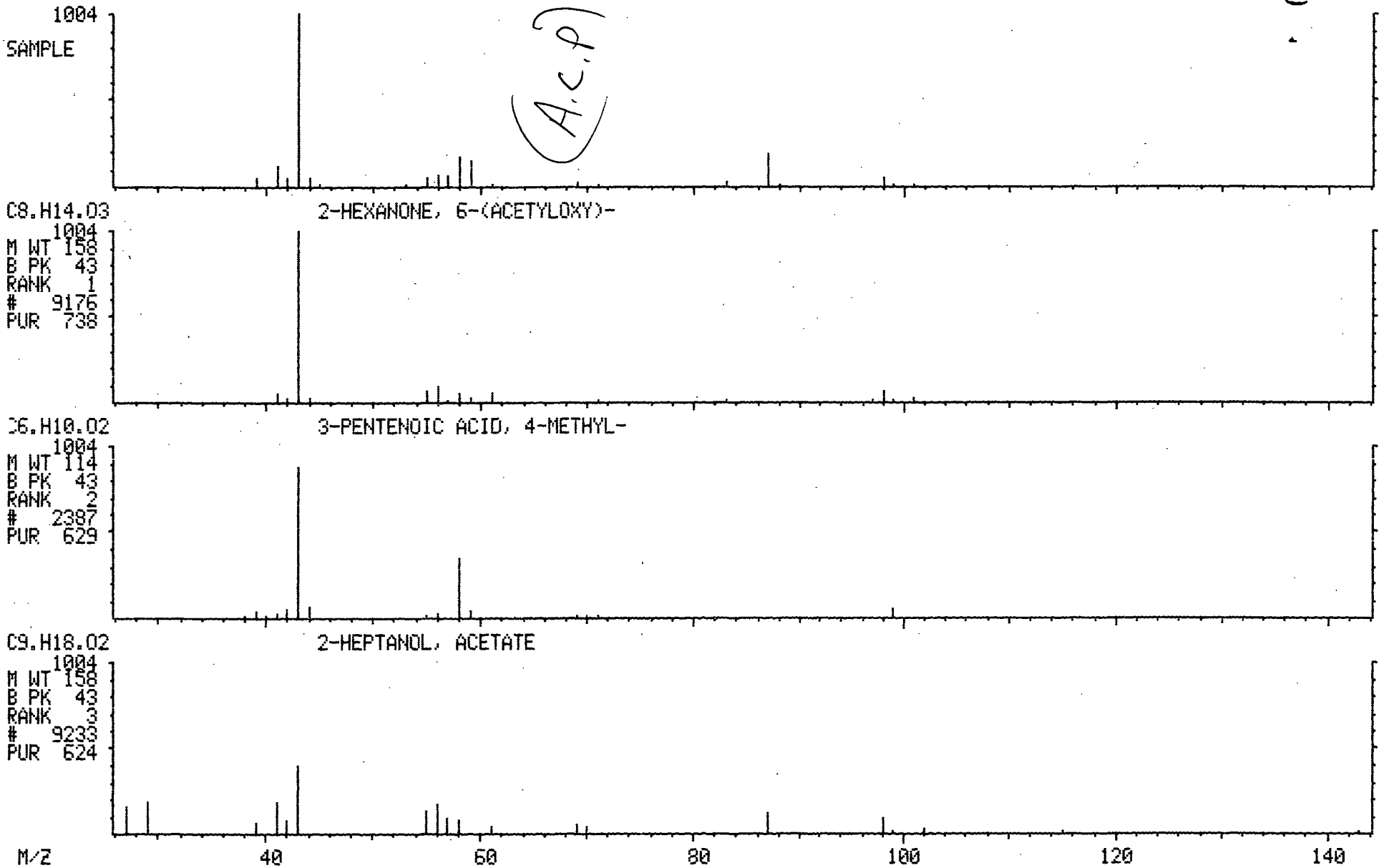
MID LIBRARY SEARCH
06/15/91 0:06:00 + 8:58
SAMPLE: S7 91-13591
CONDS.: MS-B CASE: EOH0022
ENHANCED (S 15B 2N 0T)

DATA: AD21S13591 # 558
CALI: AD21S13591 # 2

BASE M/Z: 43
RIC: 60287.

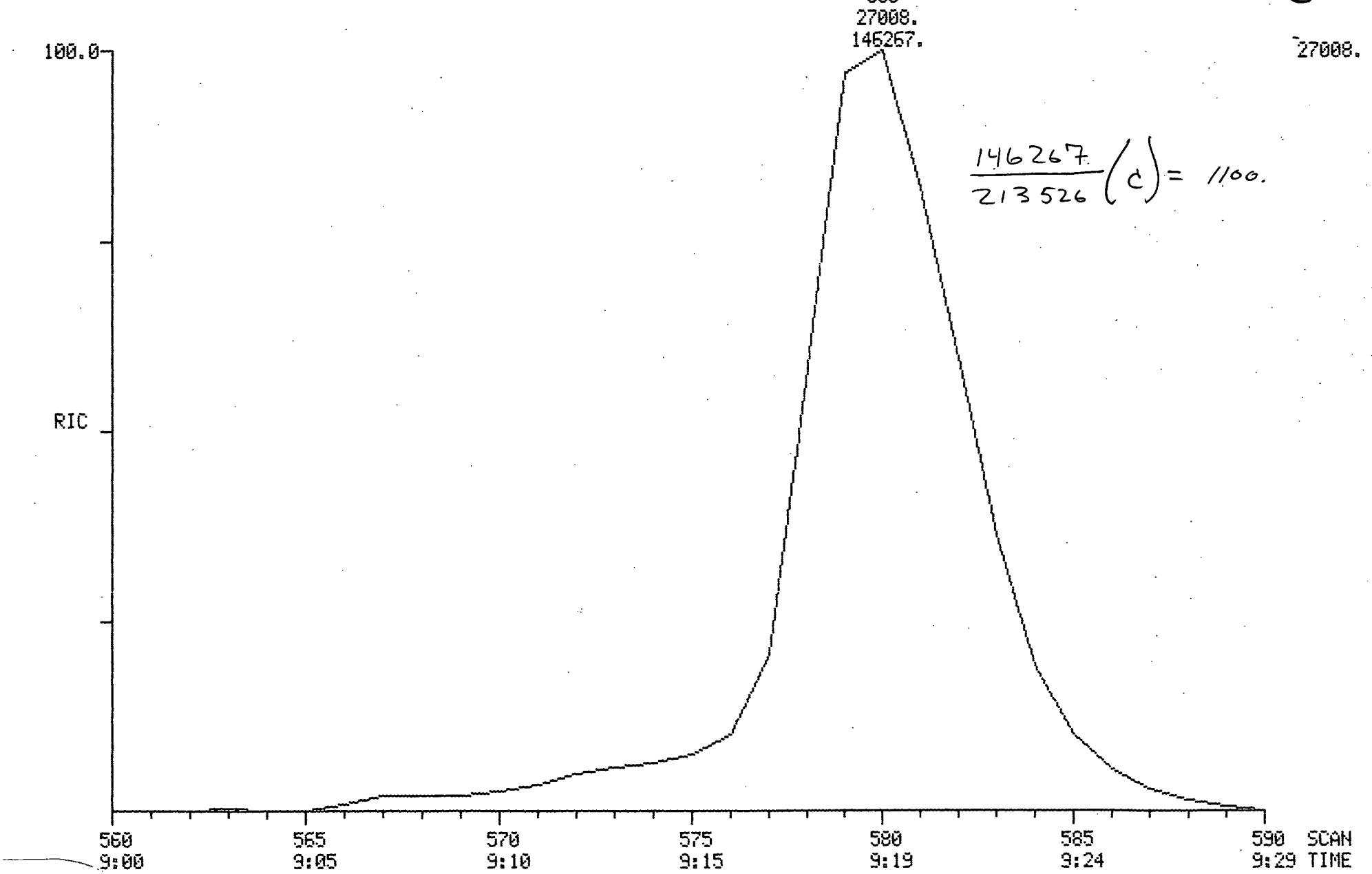
00710

(A.c.P)



MIDRIC
06/15/91 0:06:00
SAMPLE: S7 91-13591
CONDS.: MS-B CASE: EOH0022
RANGE: G 440,2800 LABEL: N 1, 4.0 QUAN: A 1, 1.0 J 0 BASE: U 20, 3

DATA: AD21513591 #1 SCANS 560 TO 590
CALI: AD21513591 #2



$\frac{146267}{213526}(c) = 1100.$

27008.

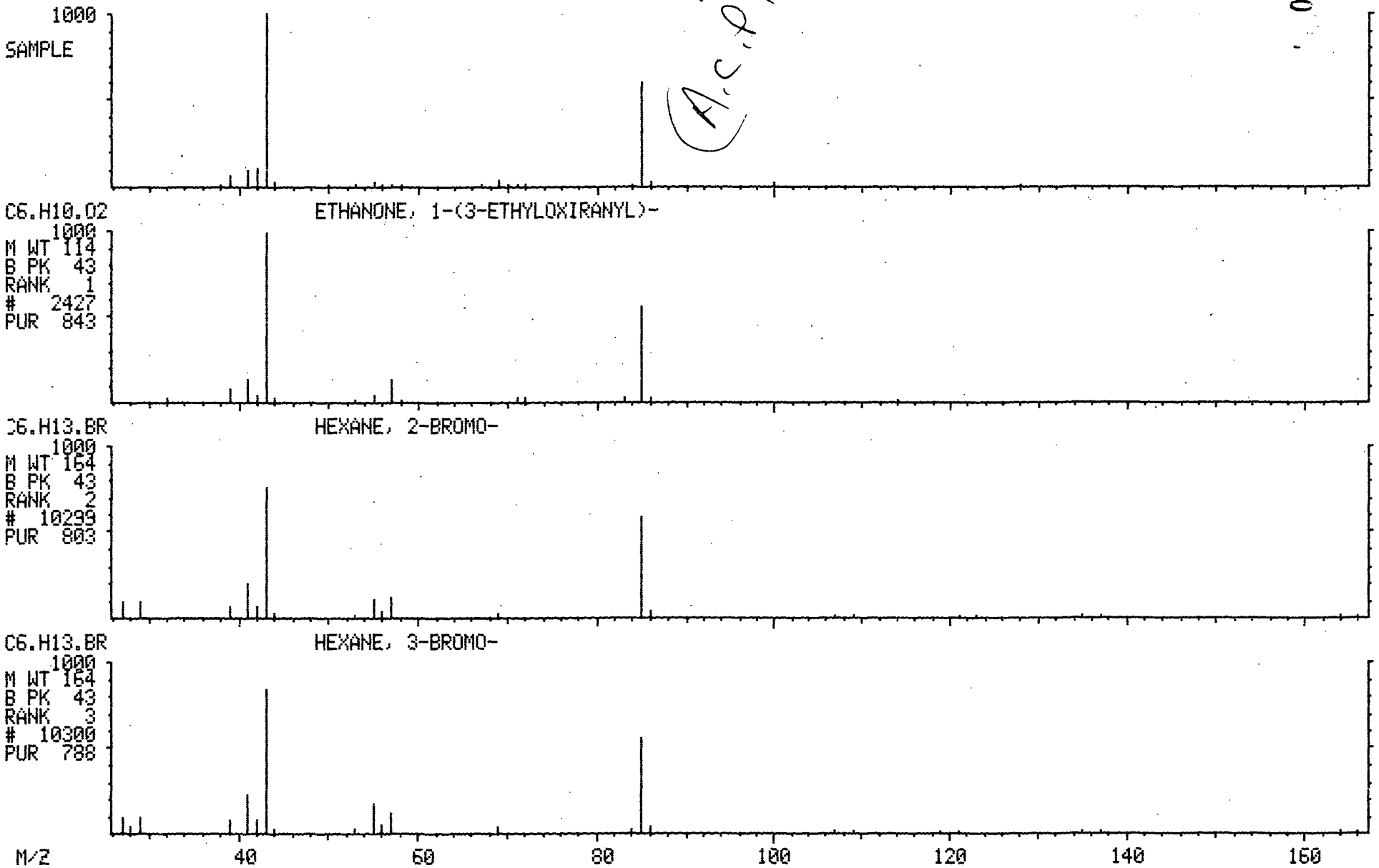
11200

MID LIBRARY SEARCH
06/15/91 0:06:00 + 9:19
SAMPLE: S7 91-13591
CONDS.: MS-B CASE: EOH0022
ENHANCED (S 15B 2N 0T)

DATA: AD21513591 # 580 BASE M/Z: 43
CALI: AD21513591 # 2 RIC: 25023.

00712

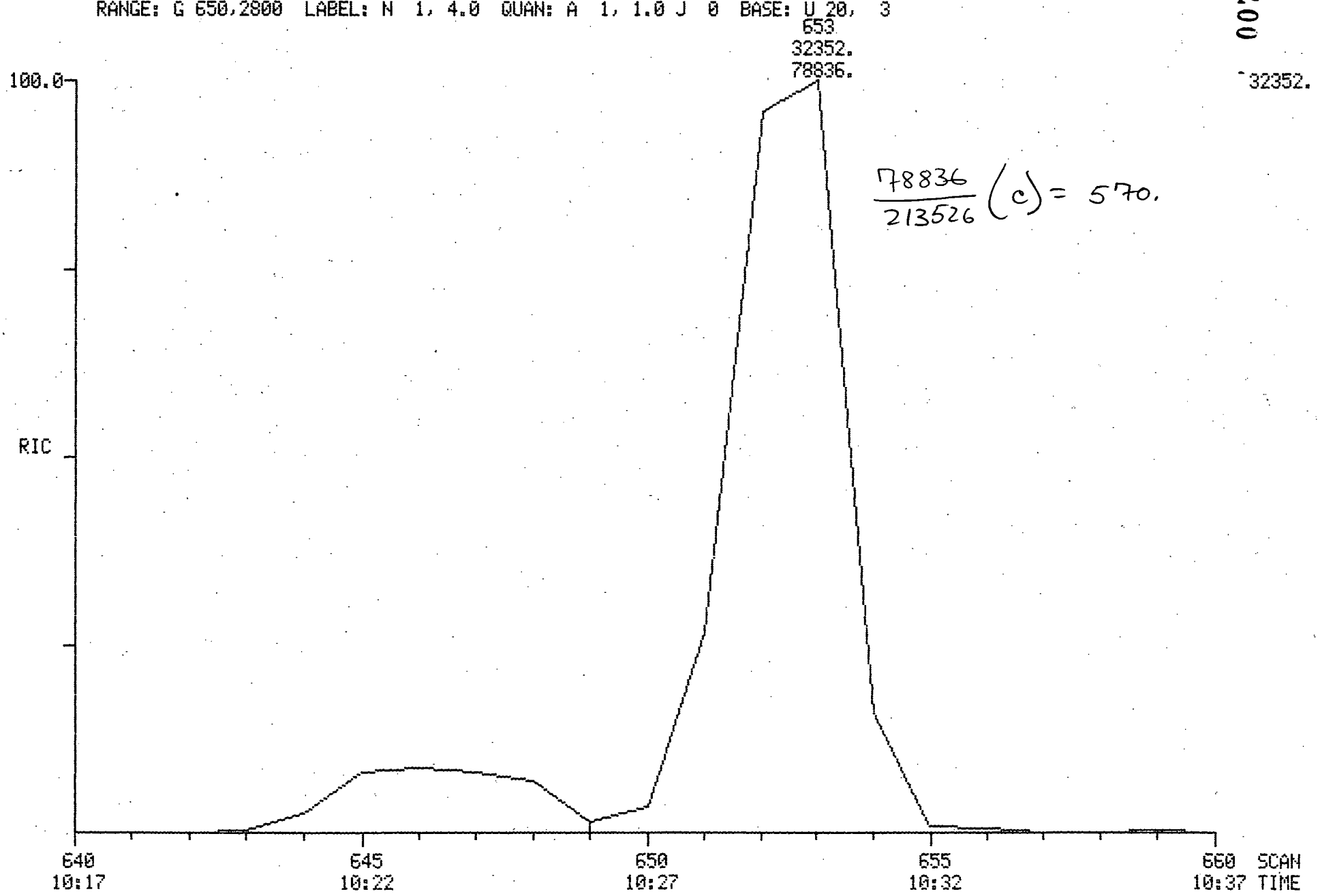
(A.C.P)



MIDRIC
06/15/91 0:06:00
SAMPLE: 57 91-13591
CONDS.: MS-B CASE: EOH0022
RANGE: G 650,2800 LABEL: N 1, 4.0 QUAN: A 1, 1.0 J 0 BASE: U 20, 3

DATA: AD21513591 #638 SCANS 640 TO 660
CALI: AD21513591 #2

00713



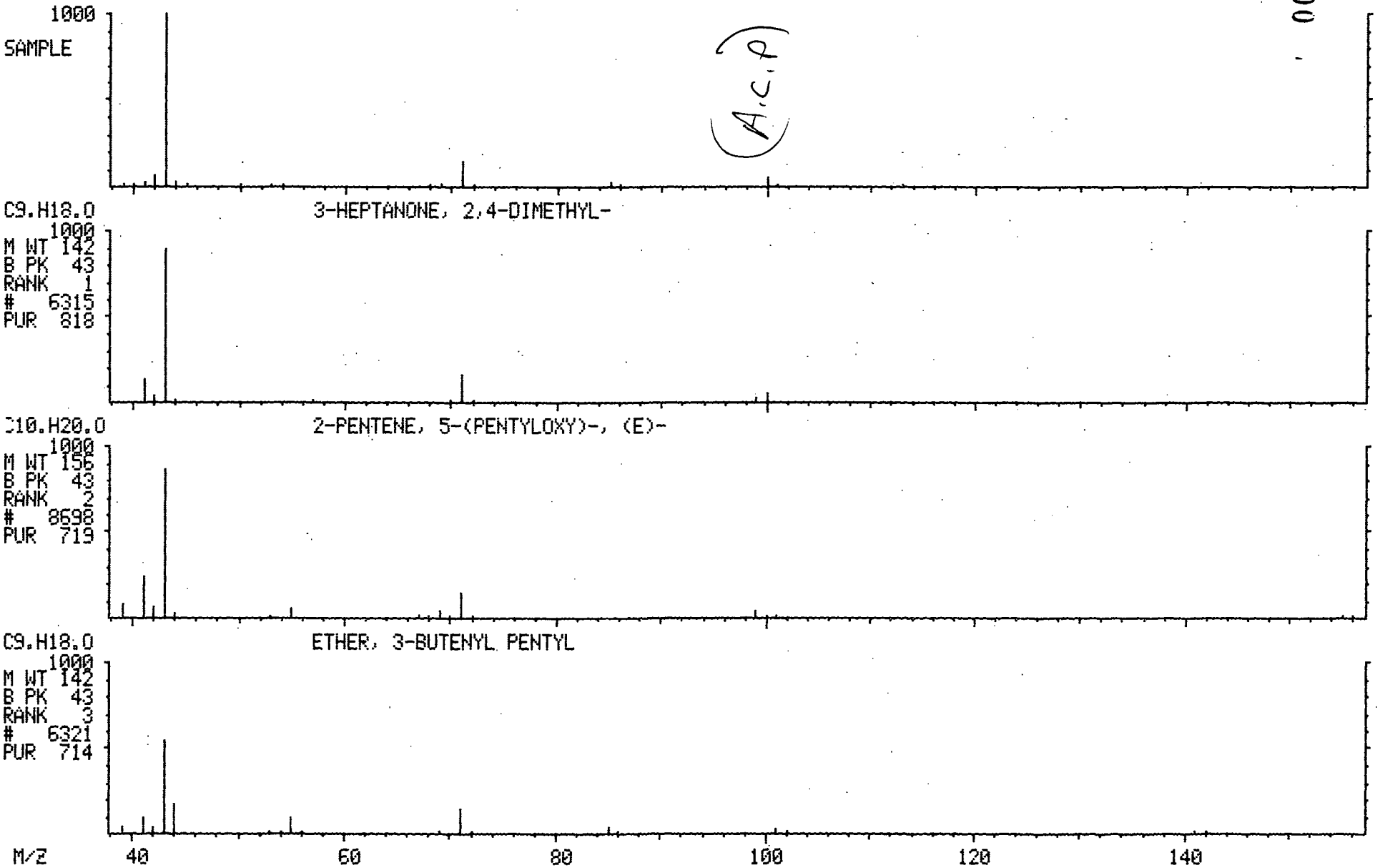
$\frac{78836}{213526}(c) = 570.$

MID LIBRARY SEARCH
06/15/91 0:06:00 + 10:30
SAMPLE: S7 91-13591
CONDS.: MS-B CASE: EOH0022
ENHANCED (S 15B 2N 0T)

DATA: AD21S13591 # 653 BASE M/Z: 43
CALI: AD21S13591 # 2 RIC: 26911.

00714

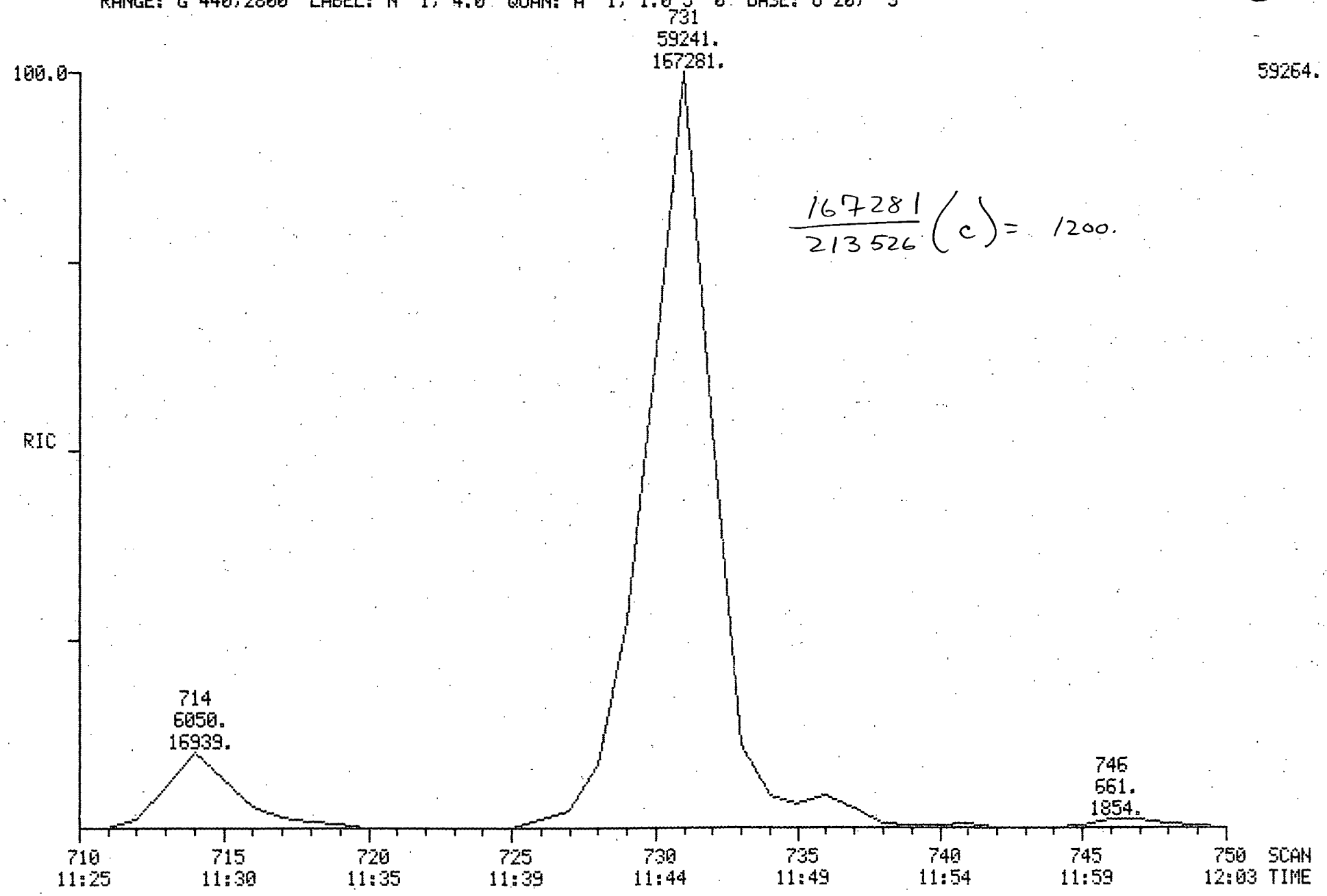
(A.C.P)



MIDRIC
06/15/91 0:06:00
SAMPLE: S7 91-13591
CONDS.: MS-B CASE: EOH0022
RANGE: G 440,2800 LABEL: N 1, 4.0 QUAN: A 1, 1.0 J 0 BASE: U 20, 3

DATA: AD21513591 #1 SCANS 710 TO 750
CALI: AD21513591 #2

00715



$\frac{167281}{213526}(c) = 1200.$

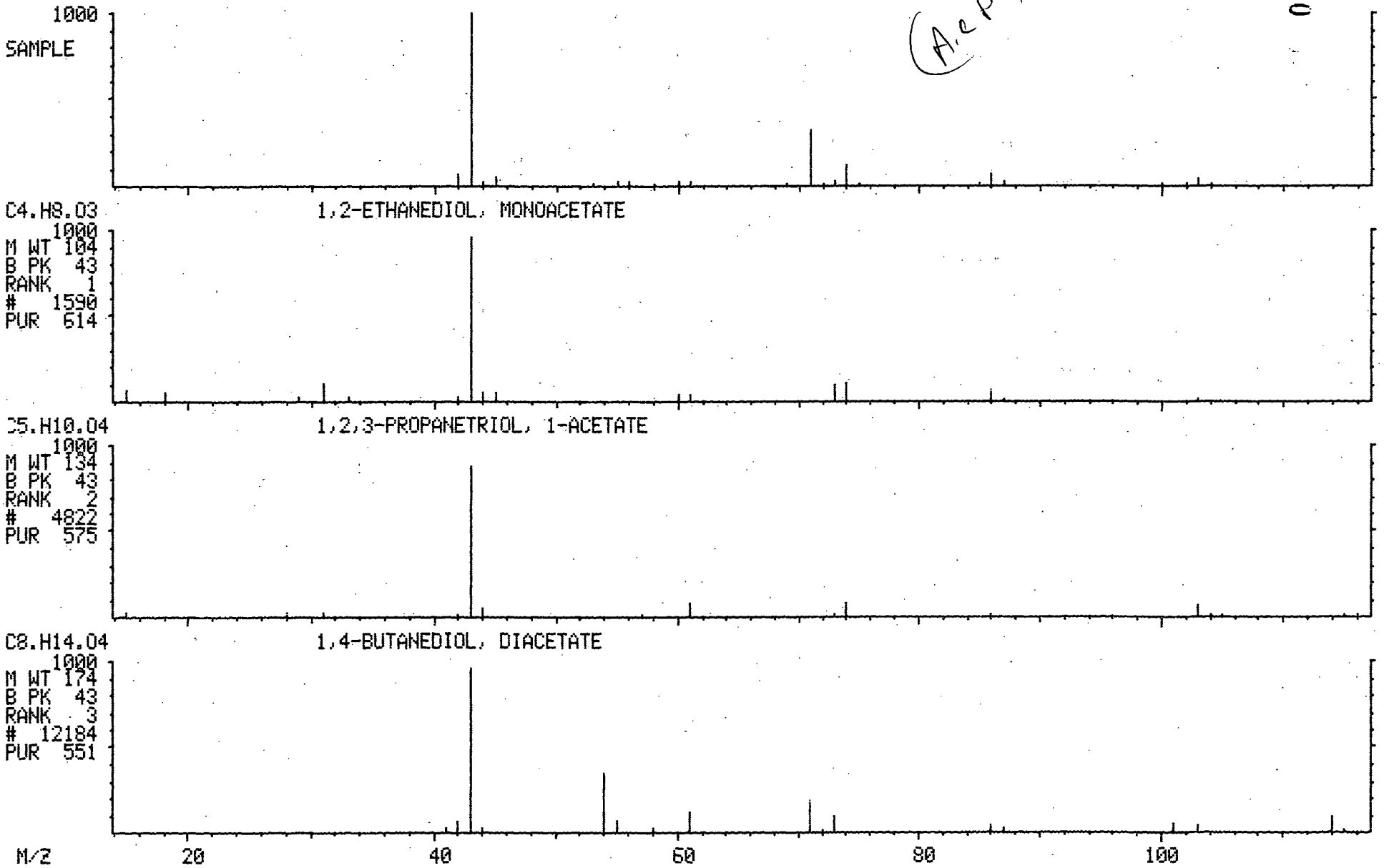
MID LIBRARY SEARCH
06/15/91 0:06:00 + 11:45
SAMPLE: S7 91-13591
CONDS.: MS-B CASE: EOH0022
ENHANCED (S 15B 2N 0T)

DATA: AD21513591 # 731
CALI: AD21513591 # 2

BASE M/Z: 43
RIC: 48703.

00716

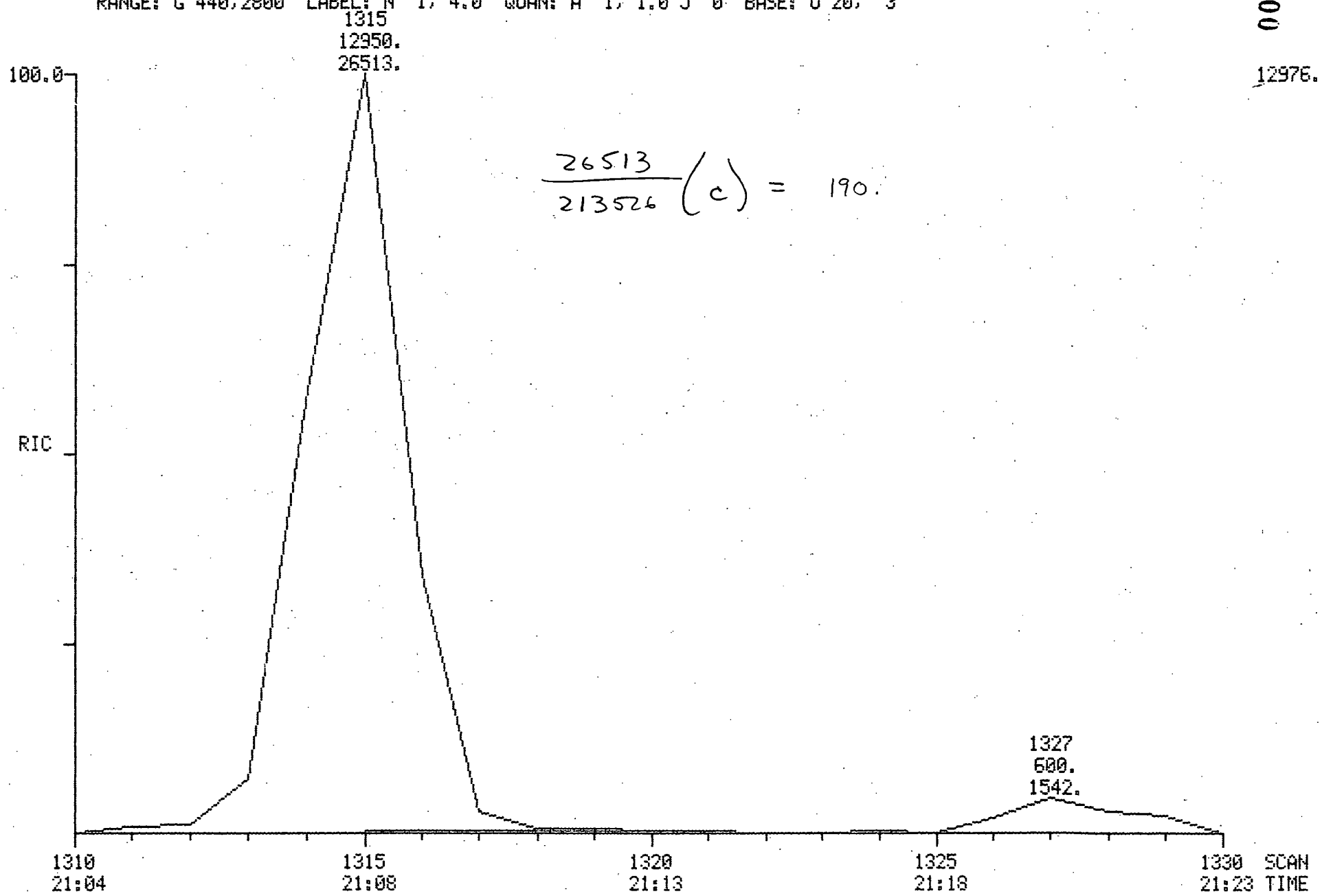
(A.e.p)



MIDRIC
06/15/91 0:06:00
SAMPLE: S7 91-13591
CONDS.: MS-B CASE: EOH0022
RANGE: G 440,2800 LABEL: N 1, 4.0 QUAN: A 1, 1.0 J 0 BASE: U 20, 3

DATA: AD21513591 #1 SCANS 1310 TO 1330
CALI: AD21513591 #2

00717



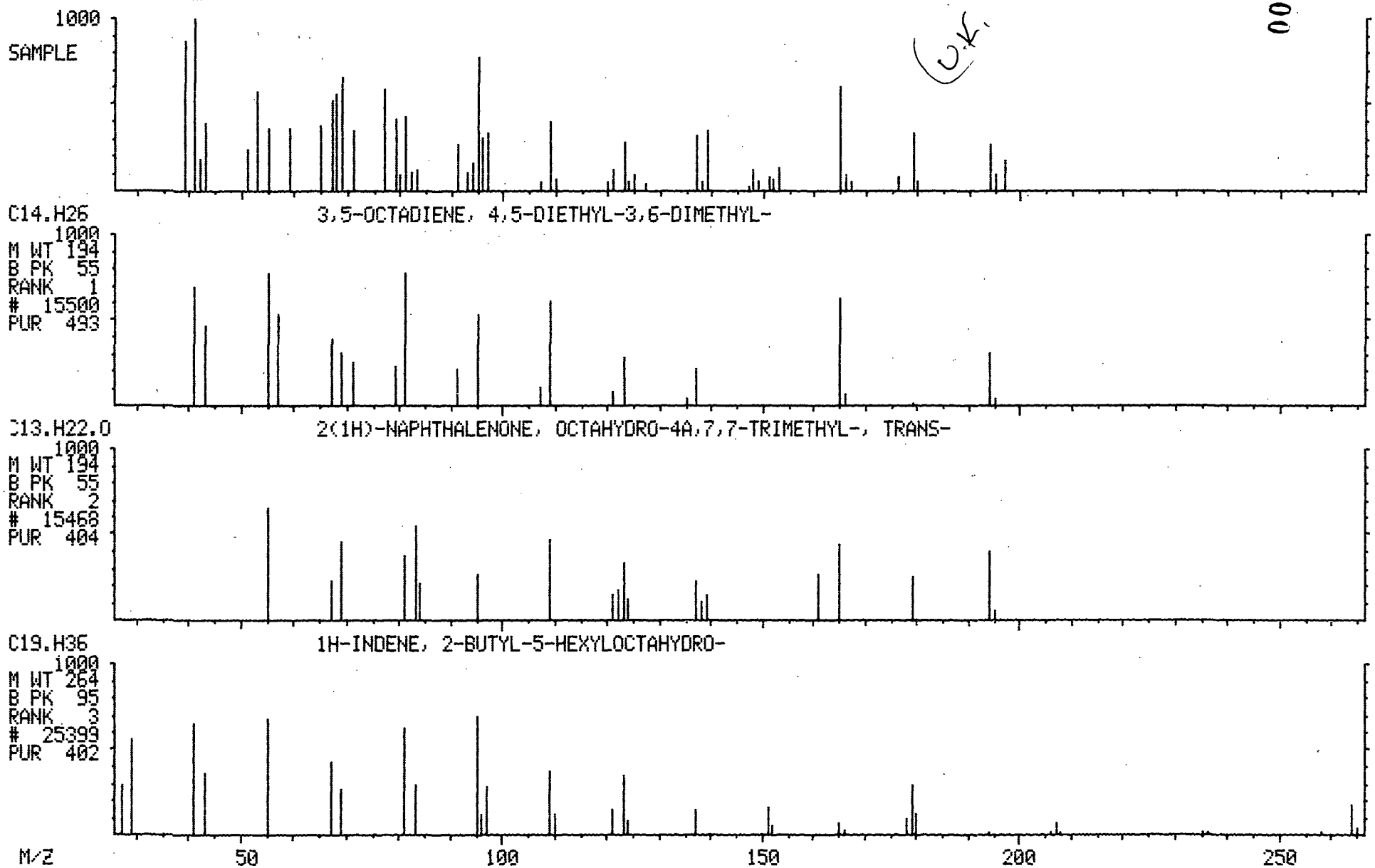
$\frac{26513}{213526}(c) = 190.$

MID LIBRARY SEARCH
06/15/91 0:06:00 + 21:08
SAMPLE: S7 91-13591
CONDS.: MS-B CASE: EOH0022
ENHANCED (S 15B 2N 0T)

DATA: AD21S13591 #1315 BASE M/Z: 41
CALI: AD21S13591 # 2 RIC: 9615.

(C.K. HC)

00718

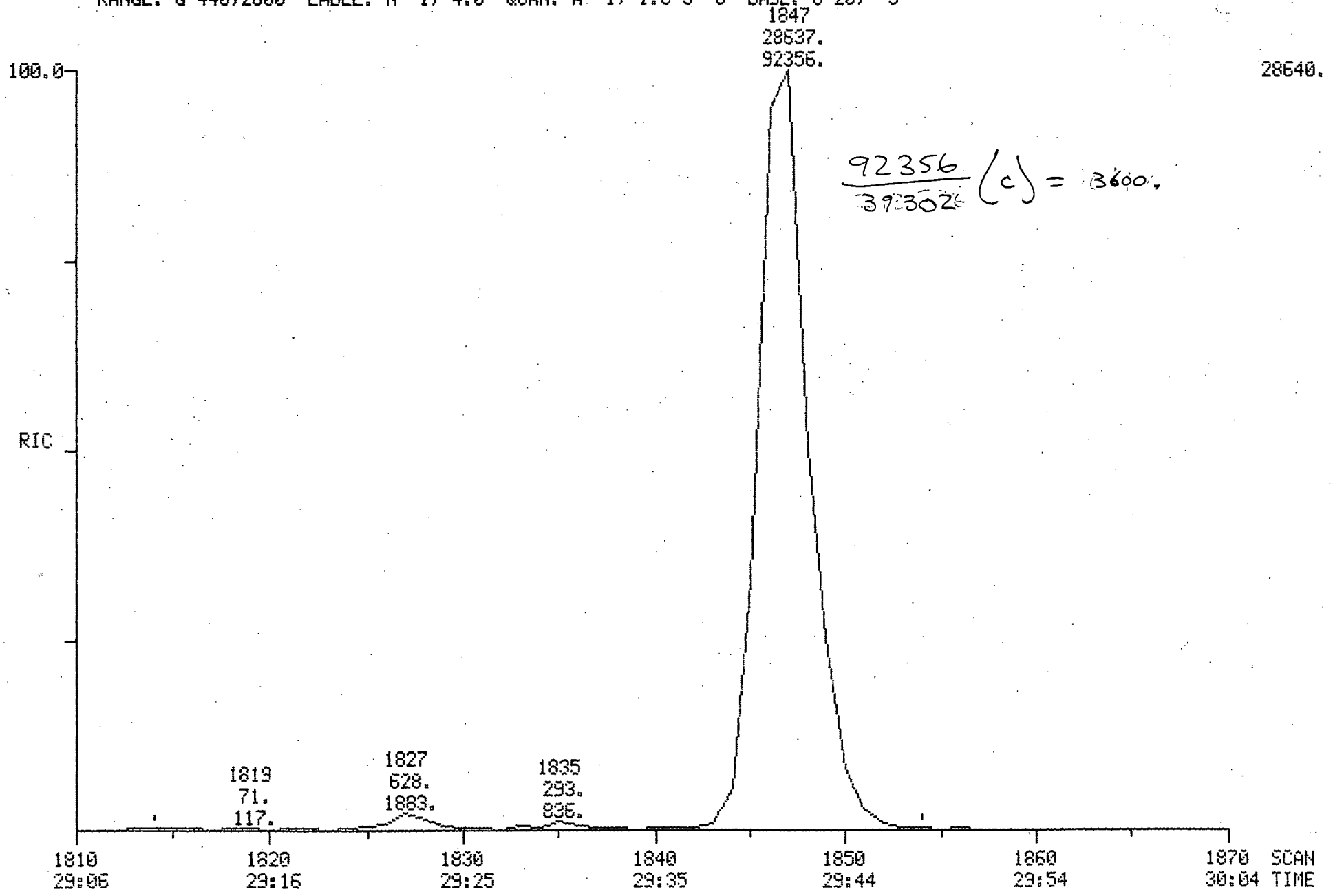


MIDRIC
06/15/91 0:06:00
SAMPLE: S7 91-13591
CONDS.: MS-B CASE: EOH0022
RANGE: G 440,2800 LABEL: N 1, 4.0 QUAN: A 1, 1.0 J 0 BASE: U 20, 3

DATA: AD21513591 #1
CALI: AD21513591 #2

SCANS 1810 TO 1870

00719



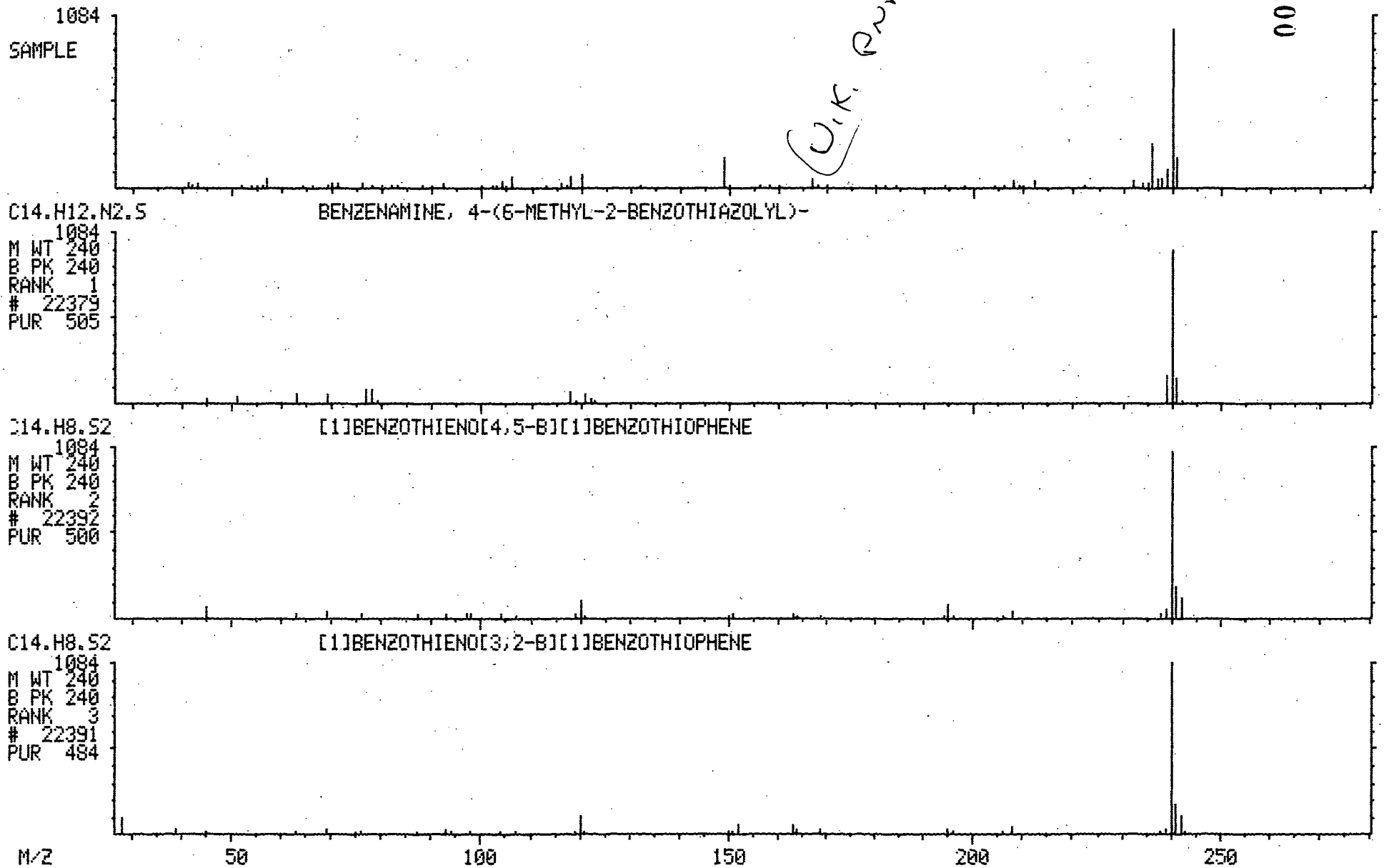
$\frac{92356}{39302}$ (c) = 3600.

MID LIBRARY SEARCH
06/15/91 0:06:00 + 29:42
SAMPLE: S7 91-13591
CONDS.: MS-B CASE: EOH0022
ENHANCED (S 15B 2N 0T)

DATA: AD21S13591 #1847
CALI: AD21S13591 # 2

BASE M/Z: 240
RIC: 26047.

00770



1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S8

Lab Name: DATACHEM LABS Contract: 19005

Lab Code: DATAC Case No.: E0H002 SAS No.: _____ SDG No.: 13585

Matrix: (soil/water) SOIL Lab Sample ID: 91-13592

Sample wt/vol: 30 (g/mL) G Lab File ID: AD33S13592

Level: (low/med) LOW Date Received: 06/07/91

% Moisture: not dec. _____ dec. 18 Date Extracted: 06/14/91

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 06/16/91

GPC Cleanup: (Y/N) N pH: 5.0 Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	400.	u
111-44-4	bis(2-Chloroethyl)ether	400.	u
95-57-8	2-Chlorophenol	400.	u
541-73-1	1,3-Dichlorobenzene	400.	u
106-46-7	1,4-Dichlorobenzene	400.	u
100-51-6	Benzyl alcohol	400.	u
95-50-1	1,2-Dichlorobenzene	400.	u
95-48-7	2-Methylphenol	400.	u
108-60-1	bis(2-Chloroisopropyl)ether	400.	u
106-44-5	4-Methylphenol	400.	u
621-64-7	N-Nitroso-di-n-propylamine	400.	u
67-72-1	Hexachloroethane	400.	u
98-95-3	Nitrobenzene	400.	u
78-59-1	Isophorone	400.	u
88-75-5	2-Nitrophenol	400.	u
105-67-9	2,4-Dimethylphenol	400.	u
65-85-0	Benzoic acid	2000.	u
111-91-1	bis(2-Chloroethoxy)methane	400.	u
120-83-2	2,4-Dichlorophenol	400.	u
120-82-1	1,2,4-Trichlorobenzene	400.	u
91-20-3	Naphthalene	400.	u
106-47-8	4-Chloroaniline	400.	u
87-68-3	Hexachlorobutadiene	400.	u
59-50-7	4-Chloro-3-methylphenol	400.	u
91-57-6	2-Methylnaphthalene	400.	u
77-47-4	Hexachlorocyclopentadiene	400.	u
88-06-2	2,4,6-Trichlorophenol	400.	u
95-95-4	2,4,5-Trichlorophenol	2000.	u
91-58-7	2-Chloronaphthalene	400.	u
88-74-4	2-Nitroaniline	2000.	u
131-11-3	Dimethylphthalate	400.	u
208-96-8	Acenaphthylene	400.	u
606-20-2	2,6-Dinitrotoluene	400.	u

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S8

Lab Name: DATACHEM LABS Contract: 19005

Lab Code: DATAC Case No.: EOHØØ22 SAS No.: _____ SDG No.: 13585

Matrix: (soil/water) SOIL Lab Sample ID: 91-13592

Sample wt/vol: 30 (g/mL) G Lab File ID: AD33S13592

Level: (low/med) LOW Date Received: 06/07/91

% Moisture: not dec. _____ dec. 18. Date Extracted: 06/14/91

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 06/16/91

GPC Cleanup: (Y/N) N pH: 5.0 Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
99-09-2	3-Nitroaniline	2000.	u
83-32-9	Acenaphthene	400.	u
51-28-5	2,4-Dinitrophenol	2000.	u
100-02-7	4-Nitrophenol	2000.	u
132-64-9	Dibenzofuran	400.	u
121-14-2	2,4-Dinitrotoluene	400.	u
84-66-2	Diethylphthalate	400.	u
7005-72-3	4-Chlorophenyl-phenylether	400.	u
86-73-7	Fluorene	400.	u
100-01-6	4-Nitroaniline	2000.	u
534-52-1	4,6-Dinitro-2-methylphenol	2000.	u
86-30-6	N-Nitrosodiphenylamine (1)	400.	u
101-55-3	4-Bromophenyl-phenylether	400.	u
118-74-1	Hexachlorobenzene	400.	u
87-86-5	Pentachlorophenol	2000.	u
85-01-8	Phenanthrene	140.	J
120-12-7	Anthracene	400.	u
84-74-2	Di-n-butylphthalate	400.	u
206-44-0	Fluoranthene	380	J
129-00-0	Pyrene	270.	J
85-68-7	Butylbenzylphthalate	400.	u
91-94-1	3,3'-Dichlorobenzidine	400.	u
56-55-3	Benzo(a)anthracene	400.	u
218-01-9	Chrysene	170.	J
117-81-7	bis(2-Ethylhexyl)phthalate	510.	B
117-84-0	Di-n-octylphthalate	400.	u
205-99-2	Benzo(b)fluoranthene	270.	J
207-08-9	Benzo(k)fluoranthene	400.	u
50-32-8	Benzo(a)pyrene	160.	J
193-39-5	Indeno(1,2,3-cd)pyrene	400.	u
53-70-3	Dibenz(a,h)anthracene	400.	u
191-24-2	Benzo(g,h,i)perylene	400.	u

(1) - Cannot be separated from Diphenylamine

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

S8

Lab Name: DATACHEM LABS Contract: 19005

Lab Code: DATAC Case No.: E040022 SAS No.: _____ SDG No.: 13585

Matrix: (soil/water) SOIL Lab Sample ID: 91-13592

Sample wt/vol: 30 (g/mL) G Lab File ID: AD33S13592

Level: (low/med) LOW Date Received: 06/07/91

% Moisture: not dec. _____ dec. 18. Date Extracted: 06/14/91

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 06/16/91

GPC Cleanup: (Y/N) N pH: 5.0 Dilution Factor: 1.0

Number TICs found: 8

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

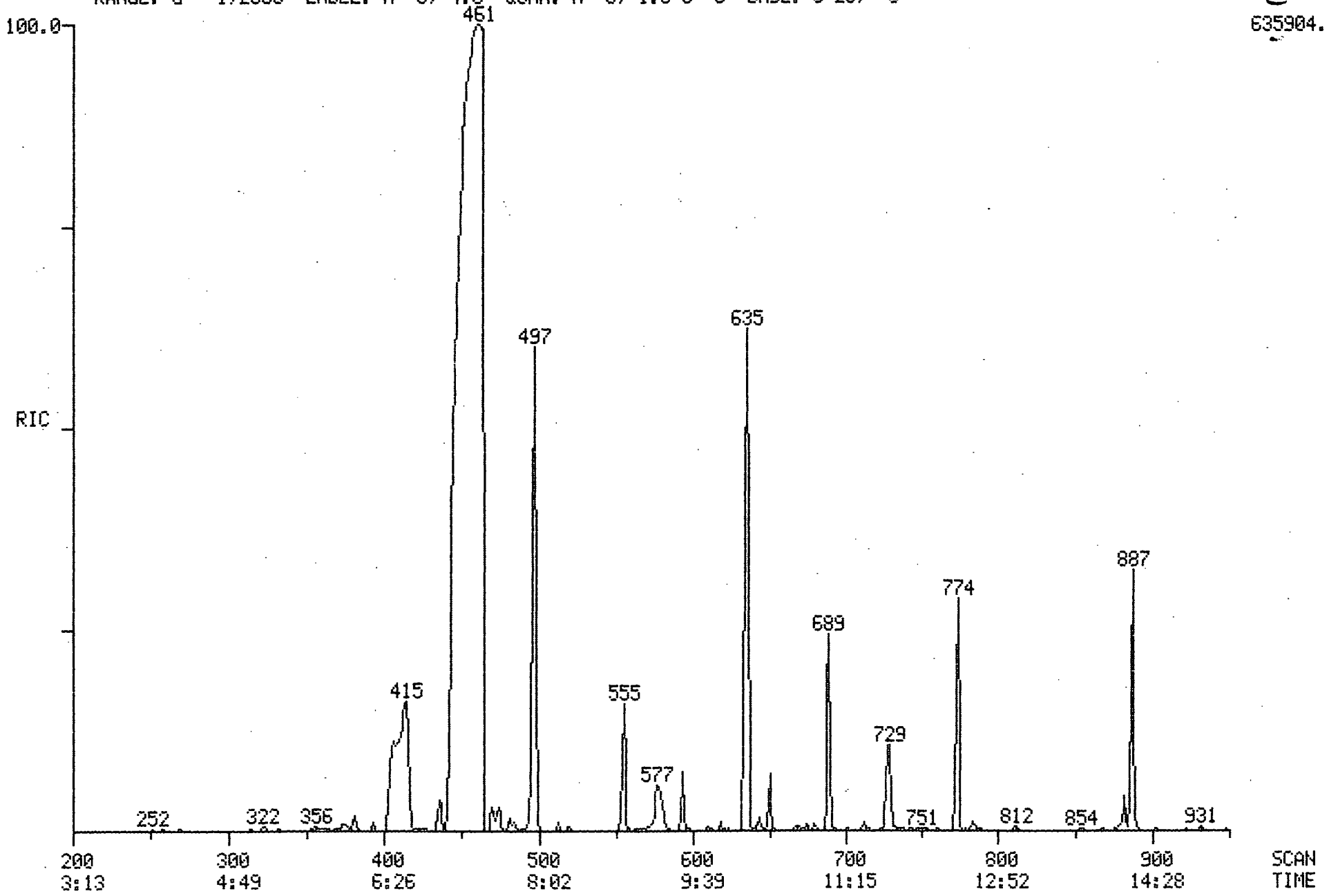
	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.		ALDOL CONDENSATION PRODUCT	6.40	5000.	AJB
2.		ALDOL CONDENSATION PRODUCT	7:25	54000.	AJB
3.		ALDOL CONDENSATION PRODUCT	8:55	1000.	AJB
4.		BROMOHEXANE ISOMER	9:17	940.	J
5.		ALDOL CONDENSATION PRODUCT	9:32	540.	AJ
6.		ALDOL CONDENSATION PRODUCT	10:27	440.	AJ
7.		ALDOL CONDENSATION PRODUCT	11:43	1100.	AJ
8.		UNKNOWN P.N.A.	29:39	4000.	J
9.					
10.					
11.					
12.					
13.					
14.					
15.					
16.					
17.					
18.					
19.					
20.					
21.					
22.					
23.					
24.					
25.					
26.					
27.					
28.					
29.					
30.					

MIDRIC
06/16/91 0:07:00
SAMPLE: S8 91-13592
CONDS.: MS-B CASE: EDH0022
RANGE: G 1,2800 LABEL: N 0, 4.0 QUAN: A 0, 1.0 J 0 BASE: U 20, 3

DATA: AD33S13592 #1 SCANS 200 TO 950
CALI: AD33S13592 #2

T.J. Masoran
6·17·91

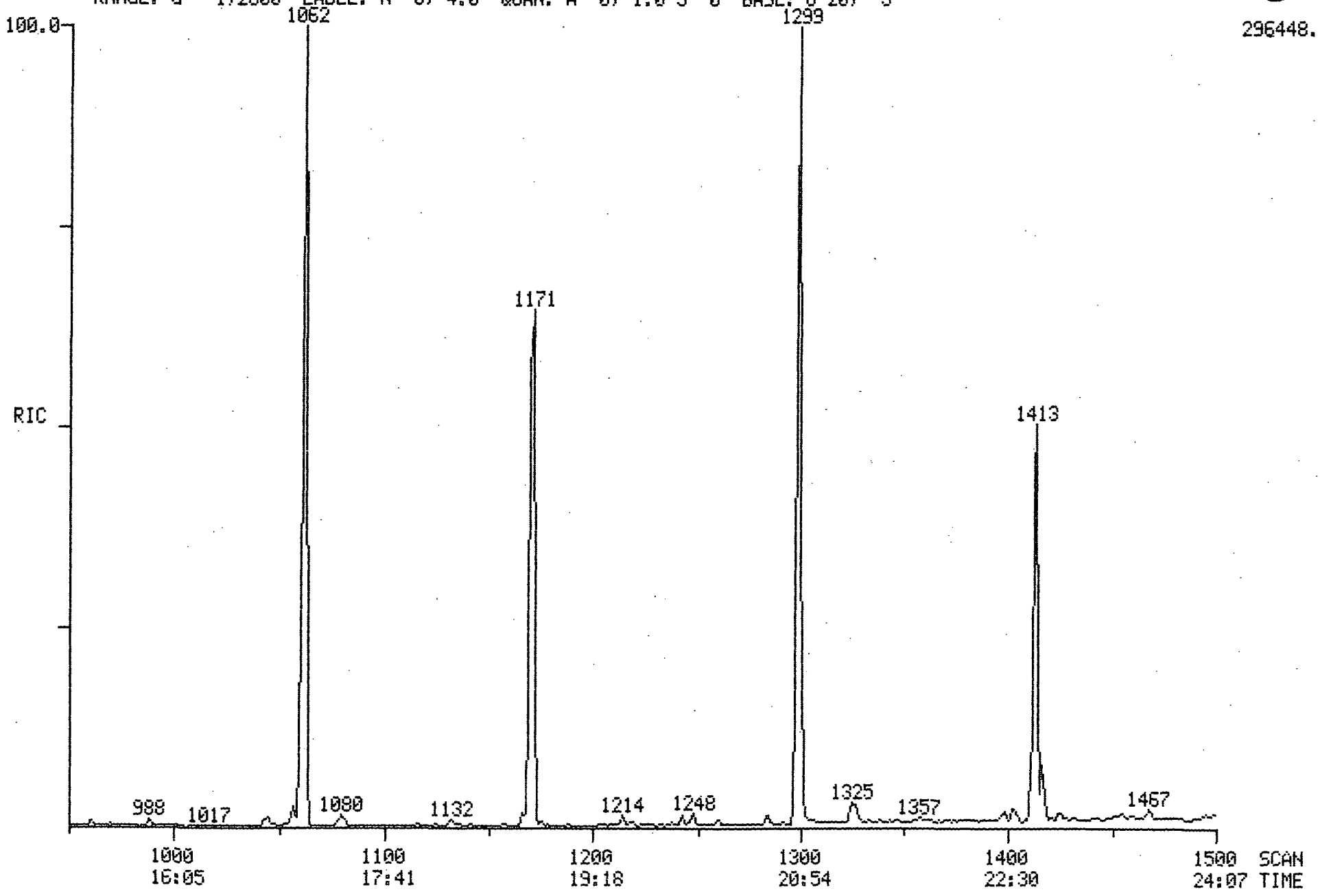
00724



MIDRIC
06/16/91 0:07:00
SAMPLE: S8 91-13592
CONDS.: MS-B CASE: EOH0022
RANGE: G 1.2800 LABEL: N 0, 4.0 QUAN: A 0, 1.0 J 0 BASE: U 20, 3

DATA: AD33513592 #1 SCANS 950 TO 1500
CALI: AD33513592 #2

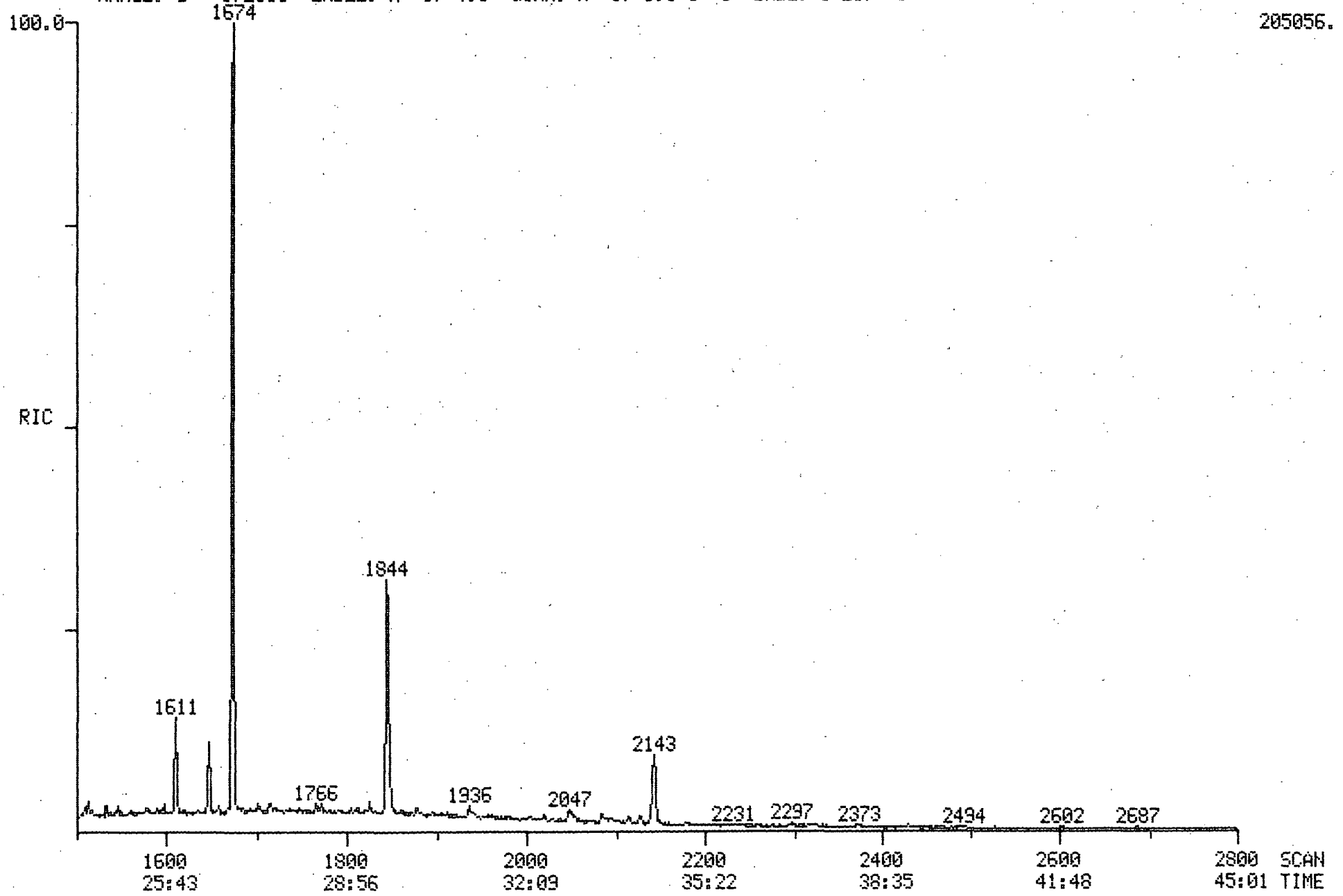
00725



MIDRIC
06/16/91 0:07:00
SAMPLE: S8 91-13592
CONDS.: MS-B CASE: EOH0022
RANGE: G 1,2800 LABEL: N 0, 4.0 QUAN: A 0, 1.0 J 0 BASE: U 20, 3

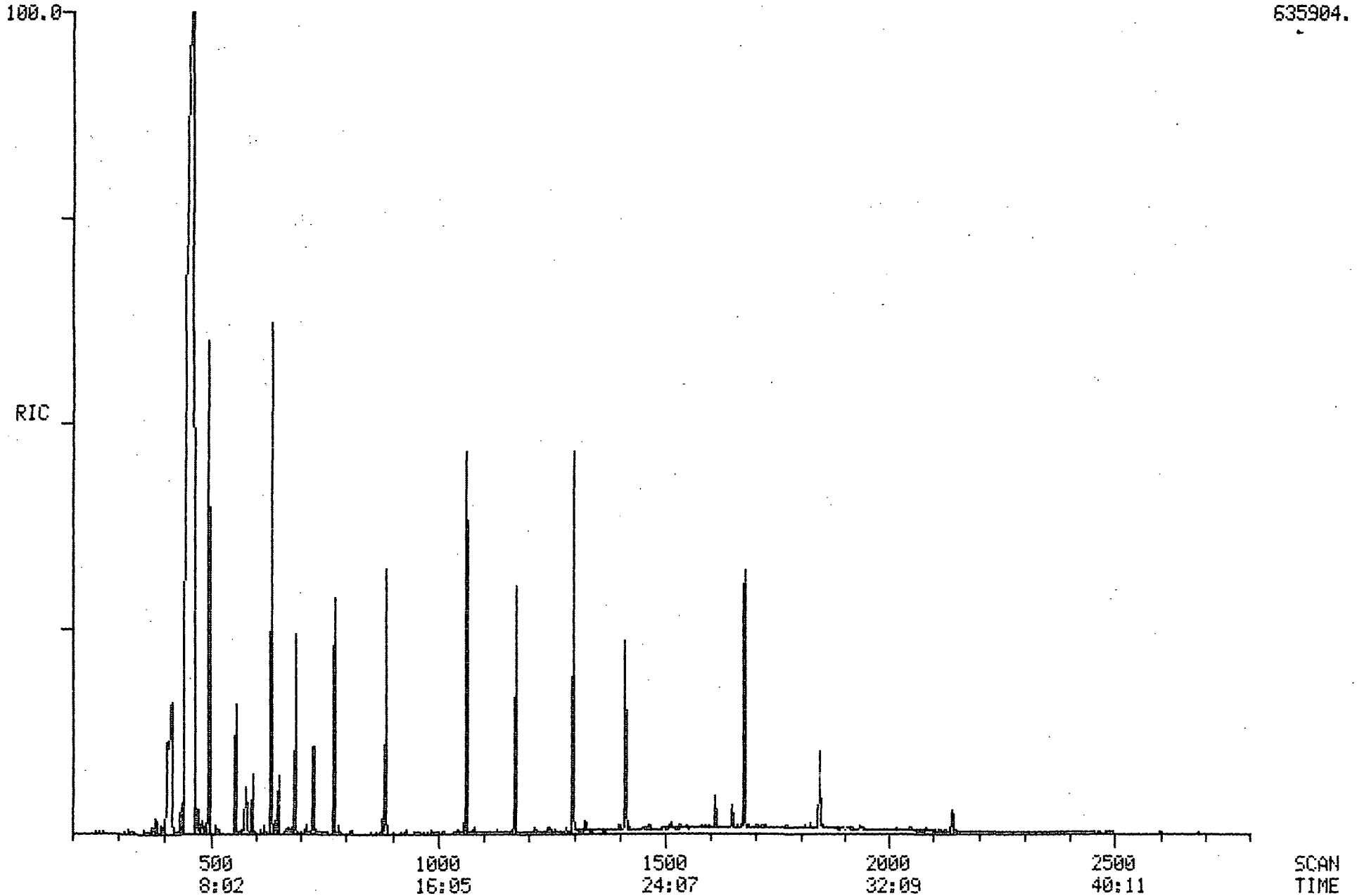
DATA: AD33513592 #1 SCANS 1500 TO 2800
CALI: AD33513592 #2

00726



MIDRIC
06/16/91 0:07:00
SAMPLE: S8 91-13592
CONDS.: MS-B CASE: EOH0022
RANGE: G 1,2800 LABEL: N 0, 4.0 QUAN: A 0, 1.0 J 0 BASE: U 20, 3

DATA: AD33S13592 #1 SCANS 200 TO 2800
CALI: AD33S13592 #2



00727

PROCEDURE: TCA DIAGNOSTIC REPORT 6/17/91 0:58:48
DATA FILE: AD33S13592
REFERENCE: 82711
NAME LIST: 8270 INITIALIZATION OPTION: 4 PROCESSING OPTION: 3
REPORT: DSISTD

< ---- STANDARDS ----- >				< --- PLUS UNKNOWNS --- >				< - LIST NAMES - >
PROC	USED	POSS	RMS	PROC	USED	POSS	RMS	STANDARD/UNKNOWN
6	4	1	0	12	12	1	112	DSISTD/DSSURR
6	6	1	0	21	6	1	0	DSISTD/82701
6	6	1	0	21	6	1	0	DSISTD/82702
6	6	1	0	21	6	1	0	DSISTD/82703
6	6	1	0	21	6	1	0	DSISTD/82704
6	6	1	0	21	11	1	316	DSISTD/82705
6	6	1	0	21	9	2	35	DSISTD/82706

102 COMPOUNDS PROCESSED, 18 FOUND

< COMPOUND >			< ---------- SEARCH ---------- >					< SAT >		< ------ CHRO ------- >			
NO	LIB	ENTRY	REF	PRED	SEL	DELTA	PEAKS	FIT	PEAKS	M/Z	TOP	DELTA	PEAKS
1	DS	1	-683	689	689	.	1	975	.	152	689	.	1
2	DS	2	-882	888	.	.	.	.	.	136	887	.	1
3	DS	3	-1165	1171	1171	.	1	945	.	164	1171	.	1
4	DS	4	-1407	1413	1413	.	1	975	.	188	1413	.	1
5	DS	5	-1839	1845	.	.	.	.	.	240	1844	.	1
6	DS	6	-2136	2142	2142	.	1	926	.	264	2142	.	1
7	DS	7	-488	494	497	3	1	987	-1	112	497	.	1
8	DS	8	-630	636	635	-1	1	954	-1	99	635	.	1
9	DS	9	-769	775	774	-1	1	979	.	82	774	.	1
10	DS	10	-1057	1063	1062	-1	1	980	.	172	1062	.	1
11	DS	11	-1294	1300	1299	-1	1	968	.	330	1298	-1	1
12	DS	12	-1668	1674	1674	.	1	989	.	244	1673	-1	1
13	DS	13	-263	269	.	.	.	.	.	42	.	.	.
14	DS	14	-393	399	.	.	.	.	.	93	.	.	.
15	DS	15	-462	468	.	.	.	.	.	80	.	.	.
16	DS	16	-569	575	.	.	.	.	.	79	.	.	.
17	DS	17	-632	638	.	.	.	.	.	94	637	.	1
18	DS	18	-634	640	.	.	.	.	.	93	.	.	.
19	DS	19	-646	652	.	.	.	.	.	93	.	.	.
20	DS	20	-651	657	.	.	.	.	.	128	656	.	1
21	DS	21	-674	680	.	.	.	.	.	146	.	.	.
22	DS	22	-686	692	.	.	.	.	.	146	.	.	.
23	DS	23	-706	712	.	.	.	.	.	108	.	.	.
24	DS	24	-708	714	.	.	.	.	.	146	.	.	.
25	DS	25	-723	729	.	.	.	.	.	108	.	.	.
26	DS	26	-727	733	.	.	.	.	.	45	.	.	.
27	DS	27	-723	729	.	.	.	.	.	108	.	.	.
28	DS	28	-749	755	.	.	.	.	.	70	754	.	1
29	DS	29	-761	767	.	.	.	.	.	117	.	.	.
30	DS	30	-747	753	.	.	.	.	.	105	.	.	.
31	DS	31	-773	779	.	.	.	.	.	77	.	.	.
32	DS	32	-797	803	.	.	.	.	.	42	.	.	.
33	DS	33	-811	817	.	.	.	.	.	82	.	.	.
34	DS	34	-822	828	.	.	.	.	.	139	.	.	.
35	DS	35	-830	836	.	.	.	.	.	122	.	.	.
36	DS	36	-846	852	.	.	.	.	.	93	.	.	.
37	DS	39	-860	866	.	.	.	.	.	162	.	.	.
38	DS	40	-873	879	.	.	.	.	.	180	.	.	.
39	DS	41	-885	891	.	.	.	.	.	128	890	.	1
40	DS	42	-895	901	.	.	.	.	.	127	.	.	.
41	DS	43	-896	902	.	.	.	.	.	162	.	.	.
42	DS	44	-906	912	.	.	.	.	.	225	.	.	.
43	DS	45	-951	957						84			

00728

44	DS	46	-973	979	.	.	.	.	.	107	.	.	.
45	DS	47	-997	1003	.	.	.	.	.	142	1002	.	1
46	DS	48	-1024	1030	.	.	.	.	.	216	.	.	.
47	DS	49	-1022	1028	.	.	.	.	.	237	.	.	.
48	DS	50	-1042	1048	.	.	.	.	.	196	.	.	.
49	DS	51	-1048	1054	.	.	.	.	.	196	.	.	.
50	DS	52	-1076	1082	.	.	.	.	.	162	.	.	.
51	DS	53	-1076	1082	.	.	.	.	.	162	.	.	.
52	DS	54	-1093	1099	.	.	.	.	.	65	.	.	.
53	DS	55	-1124	1130	.	.	.	.	.	163	.	.	.
54	DS	56	-1133	1139	.	.	.	.	.	165	.	.	.
55	DS	57	-1142	1148	.	.	.	.	.	152	.	.	.
56	DS	58	-1160	1166	.	.	.	.	.	138	.	.	.
57	DS	59	-1171	1177	.	.	.	.	.	154	1176	.	1
58	DS	60	-1177	1183	.	.	.	.	.	184	.	.	.
59	DS	61	-1187	1193	.	.	.	.	.	139	.	.	.
60	DS	62	-1199	1205	.	.	.	.	.	168	1204	.	1
61	DS	63	-1199	1205	.	.	.	.	.	165	.	.	.
62	DS	64	-1192	1198	.	.	.	.	.	250	.	.	.
63	DS	65	-1212	1218	.	.	.	.	.	143	.	.	.
64	DS	66	-1219	1225	.	.	.	.	.	232	.	.	.
65	DS	67	-1225	1231	.	.	.	.	.	143	.	.	.
66	DS	68	-1239	1245	.	.	.	.	.	149	1243	.	1
67	DS	69	-1256	1262	.	.	.	.	.	204	.	.	.
68	DS	70	-1255	1261	.	.	.	.	.	166	1260	.	1
69	DS	71	-1259	1265	.	.	.	.	.	138	.	.	.
70	DS	72	-1264	1270	.	.	.	.	.	198	.	.	.
71	DS	73	-1276	1282	.	.	.	.	.	169	.	.	.
72	DS	74	-1282	1288	.	.	.	.	.	77	.	.	.
73	DS	75	-1335	1340	.	.	.	.	.	248	.	.	.
74	DS	76	-1327	1332	.	.	.	.	.	108	.	.	.
75	DS	78	-1344	1349	.	.	.	.	.	284	.	.	.
76	DS	79	-1378	1383	.	.	.	.	.	169	.	.	.
77	DS	81	-1376	1381	.	.	.	.	.	266	.	.	.
78	DS	83	-1388	1393	.	.	.	.	.	173	.	.	.
79	DS	84	-1379	1384	.	.	.	.	.	295	.	.	.
80	DS	85	-1412	1417	1416	-1	1	975	.	178	1416	.	1
81	DS	86	-1420	1425	1416	-9	1	905	.	178	1416	.	1
82	DS	89	-1504	1509	1509	.	1	925	.	149	1509	.	1
83	DS	92	-1605	1610	1611	1	1	976	.	202	1611	.	1
84	DS	93	-1642	1647	1648	1	1	965	.	202	1647	-1	1
85	DS	96	-1627	1632	.	.	.	.	.	184	.	.	.
86	DS	98	-1691	1696	.	.	.	.	.	120	.	.	.
87	DS	103	-1748	1753	.	.	.	.	.	149	1753	.	1
88	DS	108	-1833	1839	.	.	.	.	.	252	.	.	.
89	DS	109	-1837	1843	1843	.	2	931	.	228	1843	.	1
90	DS	110	-1843	1849	1848	-1	1	904	.	228	1848	.	1
91	DS	111	-1840	1846	1846	.	1	976	.	149	1846	.	1
92	DS	112	-1955	1961	.	.	.	.	.	149	1961	.	1
93	DS	113	-2041	2047	.	.	.	.	.	256	.	.	.
94	DS	114	-2042	2048	.	.	.	.	.	252	2047	.	1
95	DS	115	-2049	2055	.	.	.	.	.	252	.	.	.
96	DS	116	-2122	2128	.	.	.	.	.	252	2127	.	1
97	DS	117	-2221	2227	.	.	.	.	.	268	.	.	.
98	DS	118	-2499	2505	.	.	.	.	.	276	.	.	.
99	DS	119	-2500	2506	.	.	.	.	.	278	.	.	.
100	DS	120	-2598	2604	.	.	.	.	.	276	2602	.	1
101	DS	128	-2421	2427	.	.	.	.	.	279	.	.	.
102	DS	37	-847	853	.	.	.	.	.	122	.	.	.

Quantitation Report File: AD33S13592

Data: AD33S13592.TI
06/16/91 0:07:00
Sample: S8 91-13592
Conds.: MS-B CASE: EOH0022
Submitted by: Analyst: JOHNSON

AMOUNT=AREA * REF AMNT/(REF AREA * RESP FACT)
Resp. fac. from Library Entry

No	Name
1	ISTD D4-1,4-DICHLOROBENZENE
2	ISTD D-8-NAPHTHALENE
3	ISTD ACENAPHTHENE-D10
4	INTERNAL STANDARD D-10-PHENANTHRENE
5	INTERNAL STANDARD D-12-CHRYSENE
6	ISTD D-12 PERYLENE
7	SURROGATE 2-FLUOROPHENOL
8	SURROGATE D-6-PHENOL
9	SURROGATE D5-NITROBENZENE
10	SURROGATE 2-FLUOROBIPHENYL
11	SURROGATE STANDARD 2,4,6-TRIBROMOPHENOL
12	SURROGATE STANDARD P-TERPHENYL D-14
13	N-NITROSODIMETHYLAMINE
14	2-PICOLINE
15	METHYL METHANESULFONATE
16	ETHYL METHANESULFONATE
17	C315 PHENOL
18	ANILINE
19	BIS(2-CHLOROETHYL)ETHER
20	2-CHLOROPHENOL
21	1,3-DICHLOROBENZENE
22	1,4-DICHLOROBENZENE
23	BENZYL ALCOHOL
24	1,2-DICHLOROBENZENE
25	2-METHYLPHENOL
26	BIS(2-CHLOROISOPROPYL)ETHER
27	4-METHYLPHENOL
28	N-NITROSO-DI-N-PROPYLAMINE
29	HEXACHLOROETHANE
30	ACETOPHENONE
31	NITROBENZENE
32	N-NITROSOPIPERIDINE
33	ISOPHORONE
34	2-NITROPHENOL
35	2,4-DIMETHYLPHENOL
36	BIS(2-CHLOROETHOXY)METHANE
37	2,4-DICHLOROPHENOL
38	1,2,4-TRICHLOROBENZENE
39	NAPHTHALENE
40	4-CHLOROANILINE
41	2,6-DICHLOROPHENOL
42	HEXACHLOROBUTADIENE
43	N-NITROSO-DI-N-BUTYLAMINE
44	4-CHLORO-3-METHYLPHENOL
45	2-METHYL NAPHTHALENE
46	1,2,4,5-TETRACHLOROBENZENE
47	HEXACHLOROCYCLOPENTADIENE
48	2,4,6-TRICHLOROPHENOL
49	2,4,5-TRICHLOROPHENOL
50	2-CHLORONAPHTHALENE

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount	%Tot
1	152	689	11:05	1	1.000	A BB	42243.	40.000 UG	1.02
2	136	887	14:16	2	1.000	A BB	168020.	40.000 UG	1.02
3	164	1171	18:50	3	1.000	A BB	90114.	40.000 UG	1.02
4	188	1413	22:43	4	1.000	A BB	117375.	40.000 UG	1.02
5	240	1844	29:39	5	1.000	A BB	42639.	40.000 UG	1.02
6	264	2142	34:26	6	1.000	A BB	27515.	40.000 UG	1.02
7	112	497	7:59	1	0.721	A BB	193928.	113.359 UG	2.90
8	99	635	10:13	1	0.922	A BV	302515.	116.508 UG	2.98
9	82	774	12:27	2	0.873	A BB	133424.	55.099 UG	1.41
10	172	1062	17:04	3	0.907	A BB	177716.	63.765 UG	1.63
11	330	1298	20:52	3	1.108	A BB	50947.	182.191 UG	4.67
12	244	1673	26:54	5	0.907	A BB	153899.	70.808 UG	1.81
13	NOT FOUND								
14	NOT FOUND								
15	NOT FOUND								
16	NOT FOUND								
~~17~~	~~94~~	~~637~~	~~10:14~~	~~1~~	~~0.925~~	~~A BB~~	~~314.~~	~~0.113 UG~~	~~0.00~~ MJ
18	NOT FOUND								
19	NOT FOUND								
~~20~~	~~128~~	~~656~~	~~10:39~~	~~1~~	~~0.952~~	~~A BB~~	~~246.~~	~~0.134 UG~~	~~0.00~~ MJ
21	NOT FOUND								
22	NOT FOUND								
23	NOT FOUND								
24	NOT FOUND								
25	NOT FOUND								
26	NOT FOUND								
27	NOT FOUND								
~~28~~	~~70~~	~~754~~	~~12:07~~	~~1~~	~~1.094~~	~~A BB~~	~~188.~~	~~0.086 UG~~	~~0.00~~ MJ
29	NOT FOUND								
30	NOT FOUND								
31	NOT FOUND								
32	NOT FOUND								
33	NOT FOUND								
34	NOT FOUND								
35	NOT FOUND								
36	NOT FOUND								
37	NOT FOUND								
38	NOT FOUND								
~~39~~	~~128~~	~~890~~	~~14:18~~	~~2~~	~~1.003~~	~~A BB~~	~~309.~~	~~0.062 UG~~	~~0.00~~ MJ
40	NOT FOUND								
41	NOT FOUND								
42	NOT FOUND								
43	NOT FOUND								
44	NOT FOUND								
~~45~~	~~142~~	~~1002~~	~~16.07~~	~~2~~	~~1.130~~	~~A BB~~	~~154.~~	~~0.049 UG~~	~~0.00~~ MJ
46	NOT FOUND								
47	NOT FOUND								
48	NOT FOUND								
49	NOT FOUND								
50	NOT FOUND								

No	Ret(L)	Ratio	RRT(L)	Ratio	Amnt	Amnt(L)	R.Fac	R.Fac(L)	Ratio
1	10:59	1.01	1.000	1.00	40.00	40.00	1.000	1.000	1.00
2	14:11	1.01	1.000	1.00	40.00	40.00	1.000	1.000	1.00
3	18:44	1.01	1.000	1.00	40.00	40.00	1.000	1.000	1.00
4	22:37	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
5	29:34	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
6	34:20	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
7	7:51	1.02	0.714	1.01	113.36	50.00	3.673	1.620	2.27
8	10:08	1.01	0.922	1.00	116.51	50.00	5.729	2.459	2.33
9	12:22	1.01	0.872	1.00	55.10	50.00	0.635	0.576	1.10
10	17:00	1.00	0.907	1.00	63.76	50.00	1.578	1.237	1.28
11	20:48	1.00	1.111	1.00	182.19	50.00	0.452	0.124	3.64
12	26:49	1.00	0.907	1.00	70.81	50.00	2.887	2.039	1.42
13	4:14		0.385						

14	6:19		0.575						
15	7:26		0.676						
16	9:09		0.833						
17	10:10	1.01	0.925	1.00	0.11	50.00	0.006	2.623	0.00
18	10:12		0.928						
19	10:23		0.946						
20	10:28	1.01	0.953	1.00	0.13	50.00	0.005	1.732	0.00
21	10:50		0.987						
22	11:02		1.004						
23	11:21		1.034						
24	11:23		1.037						
25	11:37		1.059						
26	11:41		1.064						
27	11:37		1.059						
28	12:02	1.01	1.097	1.00	0.09	50.00	0.004	2.065	0.00
29	12:14		1.114						
30	12:01		0.847						
31	12:26		0.876						
32	12:49		0.904						
33	13:02		0.920						
34	13:13		0.932						
35	13:21		0.941						
36	13:36		0.959						
37	13:50		0.975						
38	14:02		0.990						
39	14:14	1.01	1.003	1.00	0.06	50.00	0.001	1.179	0.00
40	14:23		1.015						
41	14:24		1.016						
42	14:34		1.027						
43	15:17		1.078						
44	15:39		1.103						
45	16:02	1.01	1.130	1.00	0.05	50.00	0.001	0.742	0.00
46	16:28		0.879						
47	16:26		0.877						
48	16:45		0.894						
49	16:51		0.900						
50	17:18		0.924						

Quantitation Report File: AD33S13592

Data: AD33S13592.TI
06/16/91 0:07:00
Sample: S8 91-13592
Conds.: MS-B CASE: EOH0022
Submitted by: Analyst: JOHNSON

AMOUNT=AREA * REF AMNT/(REF AREA * RESP FACT)
Resp. fac. from Library Entry

No	Name
51	1-CHLORONAPHTHALENE
52	2-NITROANILINE
53	DIMETHYL PHTHALATE
54	2,6-DINITROTOLUENE
55	ACENAPHTHYLENE
56	3-NITROANILINE
57	ACENAPHTHENE
58	2,4-DINITROPHENOL
59	4-NITROPHENOL
60	DIBENZOFURAN
61	2,4-DINITROTOLUENE
62	PENTACHLOROBENZENE
63	1-NAPHTHYLAMINE
64	2,3,4,6-TETRACHLOROPHENOL
65	2-NAPHTHYLAMINE
66	DIETHYL PHTHALATE
67	4-CHLOROPHENYL PHENYL ETHER
68	FLUORENE
69	4-NITROANILINE
70	4,6-DINITRO-2-METHYLPHENOL
71	N-NITROSODIPHENYLAMINE
72	1,2-DIPHENYLHYDRAZINE
73	4-BROMOPHENYL PHENYL ETHER
74	PHENACETIN
75	HEXACHLOROBENZENE
76	4-AMINOBIPHENYL
77	PENTACHLOROPHENOL
78	PRONAMIDE (PROPYZAMIDE)
79	PENTACHLORONITROBENZENE
80	PHENANTHRENE
81	ANTHRACENE
82	DI-N-BUTYL PHTHALATE
83	FLUORANTHENE
84	PYRENE
85	BENZIDINE
86	P-DIMETHYLAMINOAZOBENZENE
87	BUTYL BENZYL PHTHALATE
88	3,3'-DICHLOROBENZIDINE
89	BENZO(A)ANTHRACENE
90	CHRYSENE
91	BIS(2-ETHYLHEXYL)PHTHALATE
92	DI-N-OCTYL PHTHALATE
93	7,12-DIMETHYLBENZ(A)ANTHRACENE
94	BENZO(B)FLUORANTHENE
95	BENZO(K)FLUORANTHENE
96	BENZO(A)PYRENE
97	3-METHYLCHOLANTHRENE
98	INDENO (1,2,3-CD)PYRENE
99	DIBENZ(A,H)ANTHRACENE
100	BENZO (G,H,I)PERYLENE

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount	%Tot
51	NOT FOUND								
52	NOT FOUND								
53	NOT FOUND								
54	NOT FOUND								
55	NOT FOUND								
56	NOT FOUND								
~~57~~	~~154~~	~~1176~~	~~18:54~~	~~3~~	~~1.004~~	~~A BB~~	~~433.~~	~~0.162 UG~~	~~0.00~~
58	NOT FOUND								
59	NOT FOUND								
~~60~~	~~168~~	~~1204~~	~~19:21~~	~~3~~	~~1.028~~	~~A BB~~	~~653.~~	~~0.172 UG~~	~~0.00~~
61	NOT FOUND								
62	NOT FOUND								
63	NOT FOUND								
64	NOT FOUND								
65	NOT FOUND								
~~66~~	~~149~~	~~1243~~	~~19:59~~	~~3~~	~~1.061~~	~~A BB~~	~~2691.~~	~~0.826 UG~~	~~0.02~~
67	NOT FOUND								
~~68~~	~~166~~	~~1260~~	~~20:15~~	~~3~~	~~1.076~~	~~A BB~~	~~894.~~	~~0.306 UG~~	~~0.01~~
69	NOT FOUND								
70	NOT FOUND								
71	NOT FOUND								
72	NOT FOUND								
73	NOT FOUND								
74	NOT FOUND								
75	NOT FOUND								
76	NOT FOUND								
77	NOT FOUND								
78	NOT FOUND								
79	NOT FOUND								
80	178	1416	22:46	4	1.002	A BV	15472.	3.333 UG	0.09
~~81~~	~~178~~	~~1416~~	~~22:46~~	~~4~~	~~1.002~~	~~A BV~~	~~15472.~~	~~3.333 UG~~	~~0.09~~
~~82~~	~~149~~	~~1509~~	~~24:16~~	~~4~~	~~1.068~~	~~A BB~~	~~3116.~~	~~0.677 UG~~	~~0.02~~
83	202	1611	25:54	4	1.140	A BB	23044.	9.349 UG	0.24
84	202	1647	26:29	5	0.893	A BB	17553.	6.677 UG	0.17
85	NOT FOUND								
86	NOT FOUND								
~~87~~	~~149~~	~~1753~~	~~28:11~~	~~5~~	~~0.951~~	~~A BV~~	~~361.~~	~~0.486 UG~~	~~0.01~~
88	NOT FOUND								
~~89~~	~~228~~	~~1843~~	~~29:38~~	~~5~~	~~0.999~~	~~A BV~~	~~4543.~~	~~3.754 UG~~	~~0.10~~
90	228	1848	29:43	5	1.002	A VB	5181.	4.194 UG	0.11
91	149	1846	29:41	5	1.001	A BB	13438.	12.533 UG	0.32
~~92~~	~~149~~	~~1961~~	~~31:32~~	~~6~~	~~0.915~~	~~A VB~~	~~803.~~	~~0.726 UG~~	~~0.02~~
93	NOT FOUND								
94	252	2047	32:55	6	0.956	A BB	6924.	6.666 UG	0.17
95	NOT FOUND								
96	252	2127	34:12	6	0.993	A BB	3087.	3.936 UG	0.10
97	NOT FOUND								
98	NOT FOUND								
99	NOT FOUND								
~~100~~	~~276~~	~~2602~~	~~41:50~~	~~6~~	~~1.215~~	~~A BB~~	~~1324.~~	~~2.302 UG~~	~~0.06~~

No	Ret(L)	Ratio	RRT(L)	Ratio	Amnt	Amnt(L)	R.Fac	R.Fac(L)	Ratio
51	17:18		0.924						
52	17:34		0.938						
53	18:04		0.965						
54	18:13		0.973						
55	18:22		0.980						
56	18:39		0.996						
57	18:50	1.00	1.005	1.00	0.16	50.00	0.004	1.187	0.00
58	18:55		1.010						
59	19:05		1.019						
60	19:17	1.00	1.029	1.00	0.17	50.00	0.006	1.688	0.00
61	19:17		1.029						
62	19:10		1.023						
63	19:29		1.040						

00734

64	19:36		1.046						
65	19:42		1.052						
66	19:55	1.00	1.064	1.00	0.83	50.00	0.024	1.446	0.02
67	20:12		1.078						
68	20:11	1.00	1.077	1.00	0.31	50.00	0.008	1.295	0.01
69	20:14		1.081						
70	20:19		0.898						
71	20:31		0.907						
72	20:37		0.911						
73	21:28		0.949						
74	21:20		0.943						
75	21:36		0.955						
76	22:09		0.979						
77	22:07		0.978						
78	22:19		0.986						
79	22:10		0.980						
80	22:42	1.00	1.004	1.00	3.33	50.00	0.105	1.582	0.07
81	22:50	1.00	1.009	0.99	3.33	50.00	0.105	1.582	0.07
82	24:11	1.00	1.069	1.00	0.68	50.00	0.021	1.568	0.01
83	25:48	1.00	1.141	1.00	9.35	50.00	0.157	0.840	0.19
84	26:24	1.00	0.893	1.00	6.68	50.00	0.329	2.466	0.13
85	26:09		0.885						
86	27:11		0.920						
87	28:06	1.00	0.951	1.00	0.49	50.00	0.007	0.697	0.01
88	29:28		0.997						
89	29:32	1.00	0.999	1.00	3.75	50.00	0.085	1.135	0.08
90	29:38	1.00	1.002	1.00	4.19	50.00	0.097	1.159	0.08
91	29:35	1.00	1.001	1.00	12.53	50.00	0.252	1.006	0.25
92	31:26	1.00	0.915	1.00	0.73	50.00	0.023	1.608	0.01
93	32:49		0.956						
94	32:50	1.00	0.956	1.00	6.67	50.00	0.201	1.510	0.13
95	32:56		0.959						
96	34:07	1.00	0.993	1.00	3.94	50.00	0.090	1.140	0.08
97	35:42		1.040						
98	40:11		1.170						
99	40:11		1.170						
100	41:46	1.00	1.216	1.00	2.30	50.00	0.038	0.836	0.05

Quantitation Report File: AD33S13592

Data: AD33S13592.TI
06/16/91 0:07:00
Sample: S8 91-13592
Conds.: MS-B CASE: EOH0022
Submitted by: Analyst: JOHNSON

AMOUNT=AREA * REF AMNT/(REF AREA * RESP FACT)
Resp. fac. from Library Entry

No	Name
101	DIBENZ(A,J)ACRIDINE
102	BENZOIC ACID

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount	%Tot
101	NOT FOUND								
102	NOT FOUND								

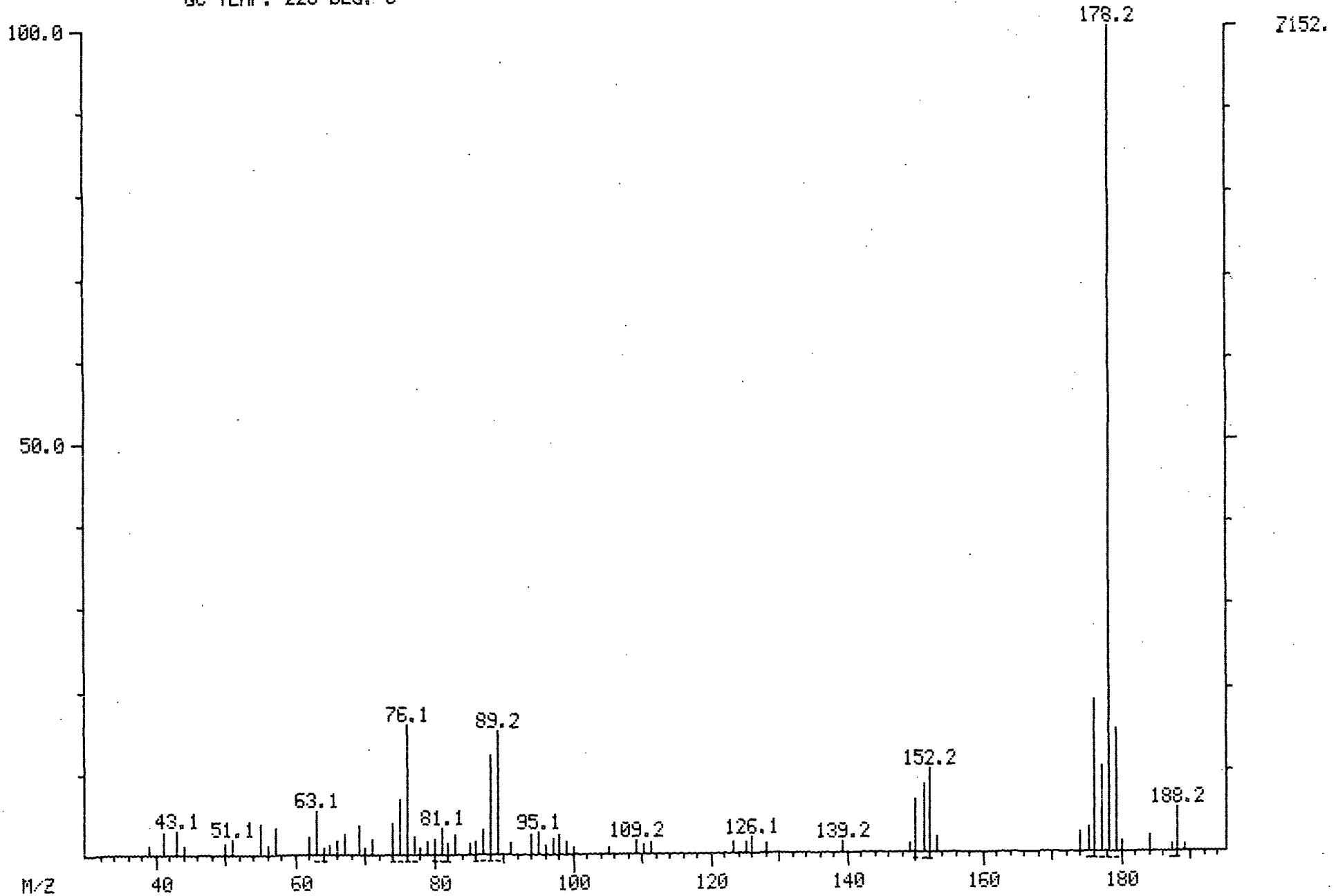
No	Ret(L)	Ratio	RRT(L)	Ratio	Amnt	Amnt(L)	R.Fac	R.Fac(L)	Ratio
101	38:55		1.133						
102	13:37		0.960						

MID MASS SPECTRUM
06/16/91 0:07:00 + 22:46
SAMPLE: S8 91-13592
CONDS.: MS-B CASE: EOH0022
GC TEMP: 228 DEG. C

DATA: AD33513592 #1416
CALI: AD33513592 #2

BASE M/Z: 178
RIC: 23232.

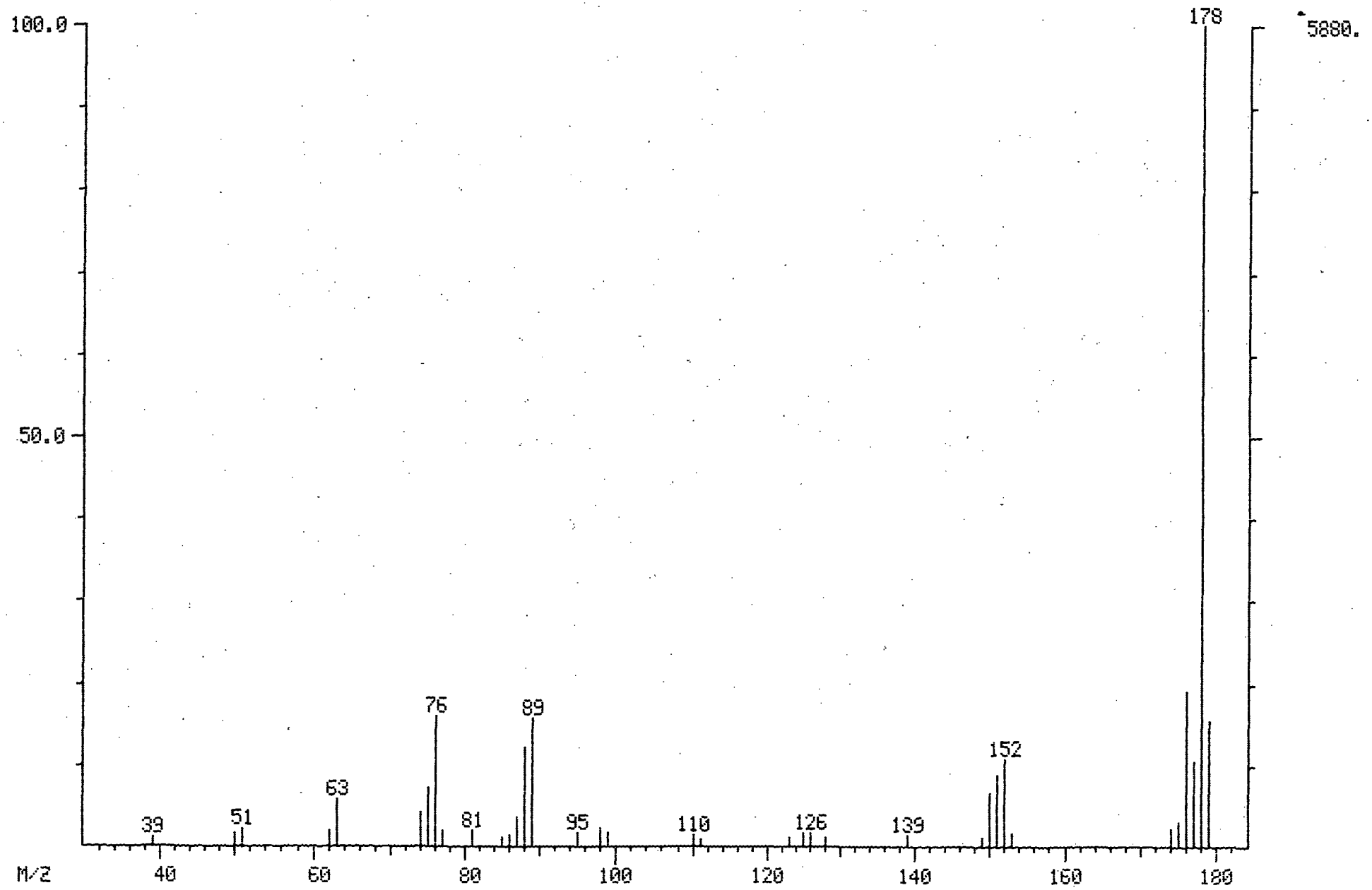
007737



MID MASS SPECTRUM
06/16/91 0:07:00 + 22:46
SAMPLE: S8 91-13592
CONDS.: MS-B CASE: EOH0022
GC TEMP: 228 DEG. C
ENHANCED (S 15B 2N 0T)

DATA: AD33513592 #1416
CALI: AD33513592 #2

BASE M/Z: 178
RIC: 16016.



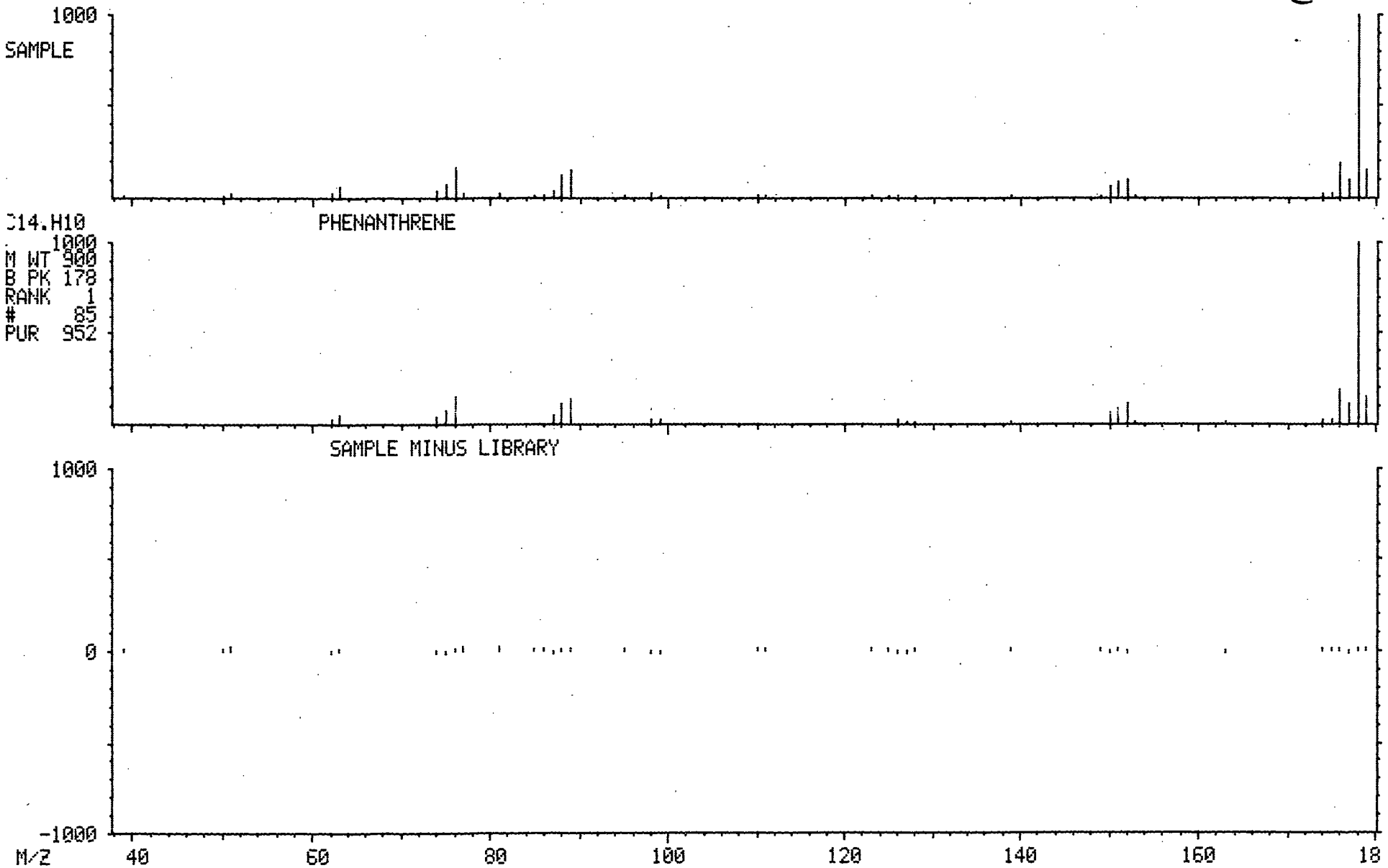
00238

MID LIBRARY SEARCH
06/16/91 0:07:00 + 22:46
SAMPLE: S8 91-13592
CONDS.: MS-B CASE: EOH0022
ENHANCED (S 15B 2N 0T)

DATA: AD33513592 #1416
CALI: AD33513592 # 2

BASE M/Z: 178
RIC: 15999.

00739

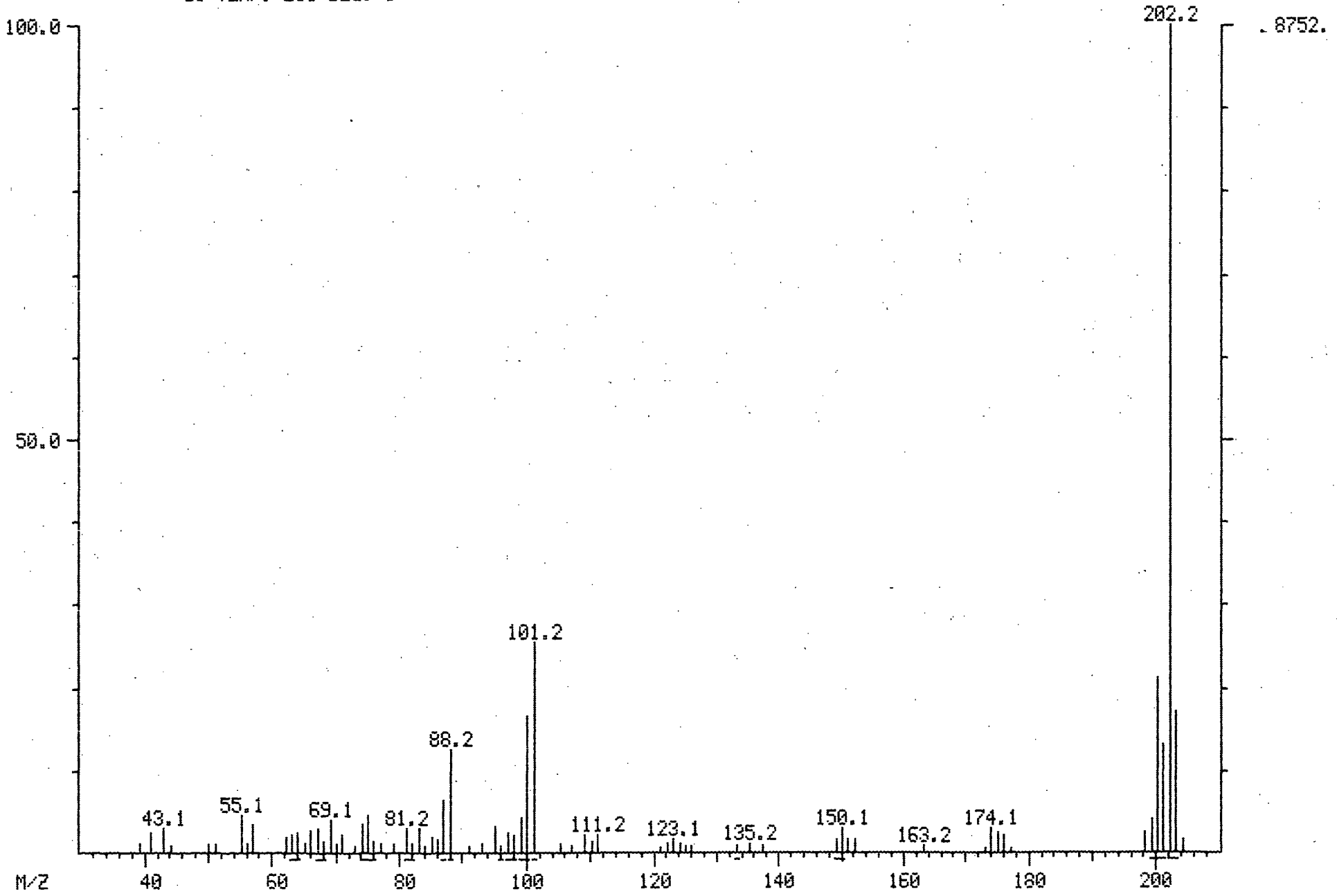


MID MASS SPECTRUM
06/16/91 0:07:00 + 25:54
SAMPLE: S8 91-13592
CONDS.: MS-B CASE: EOH0022
GC TEMP: 260 DEG. C

DATA: AD33513592 #1611
CALI: AD33513592 #2

BASE M/Z: 202
RIC: 29280.

00740

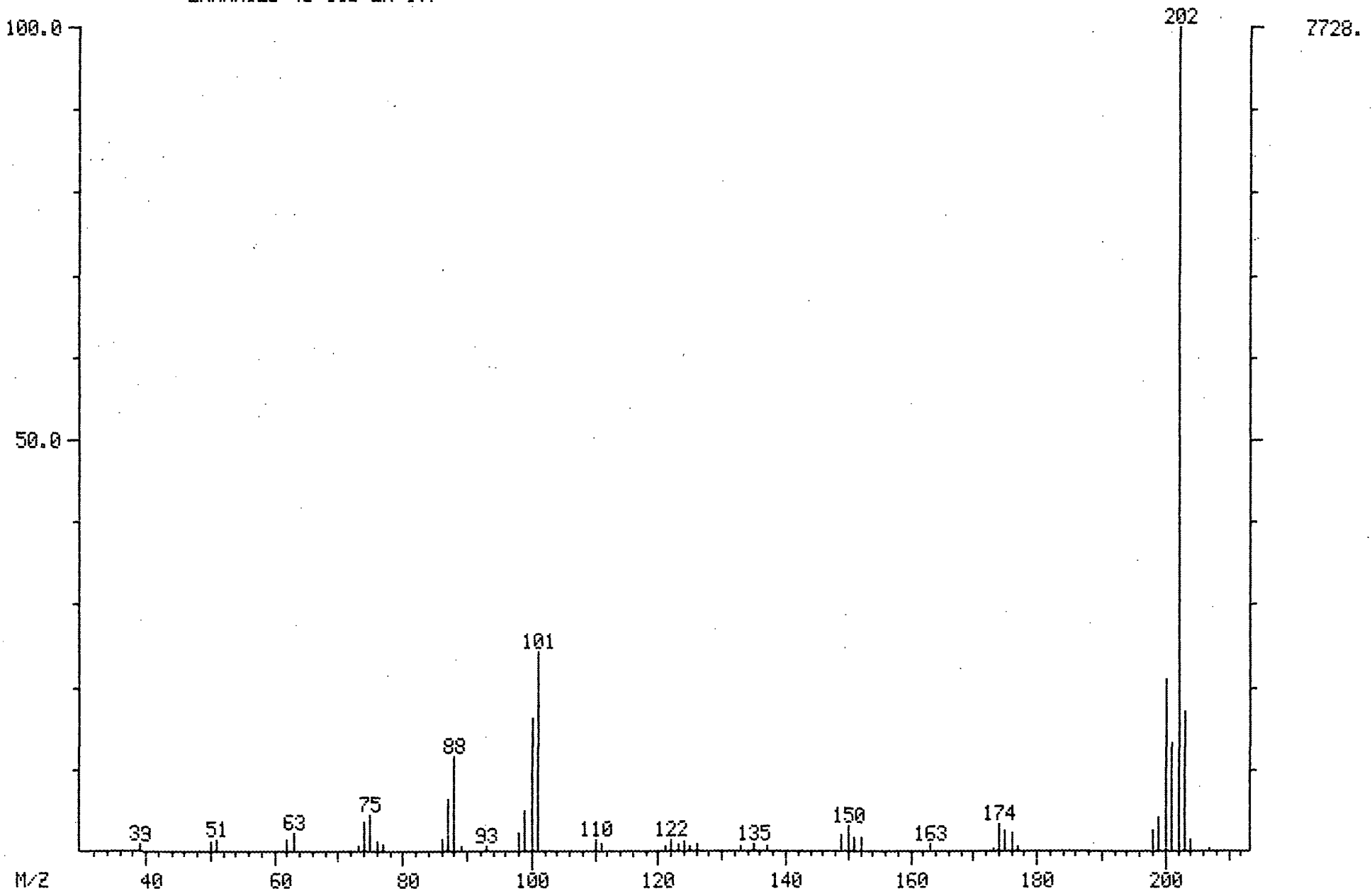


MID MASS SPECTRUM
06/16/91 0:07:00 + 25:54
SAMPLE: S8 91-13592
CONDS.: MS-B CASE: EOH0022
GC TEMP: 260 DEG. C
ENHANCED (S 15B 2N 0T)

DATA: AD33513592 #1611
CALI: AD33513592 #2

BASE M/Z: 202
RIC: 21088.

00741

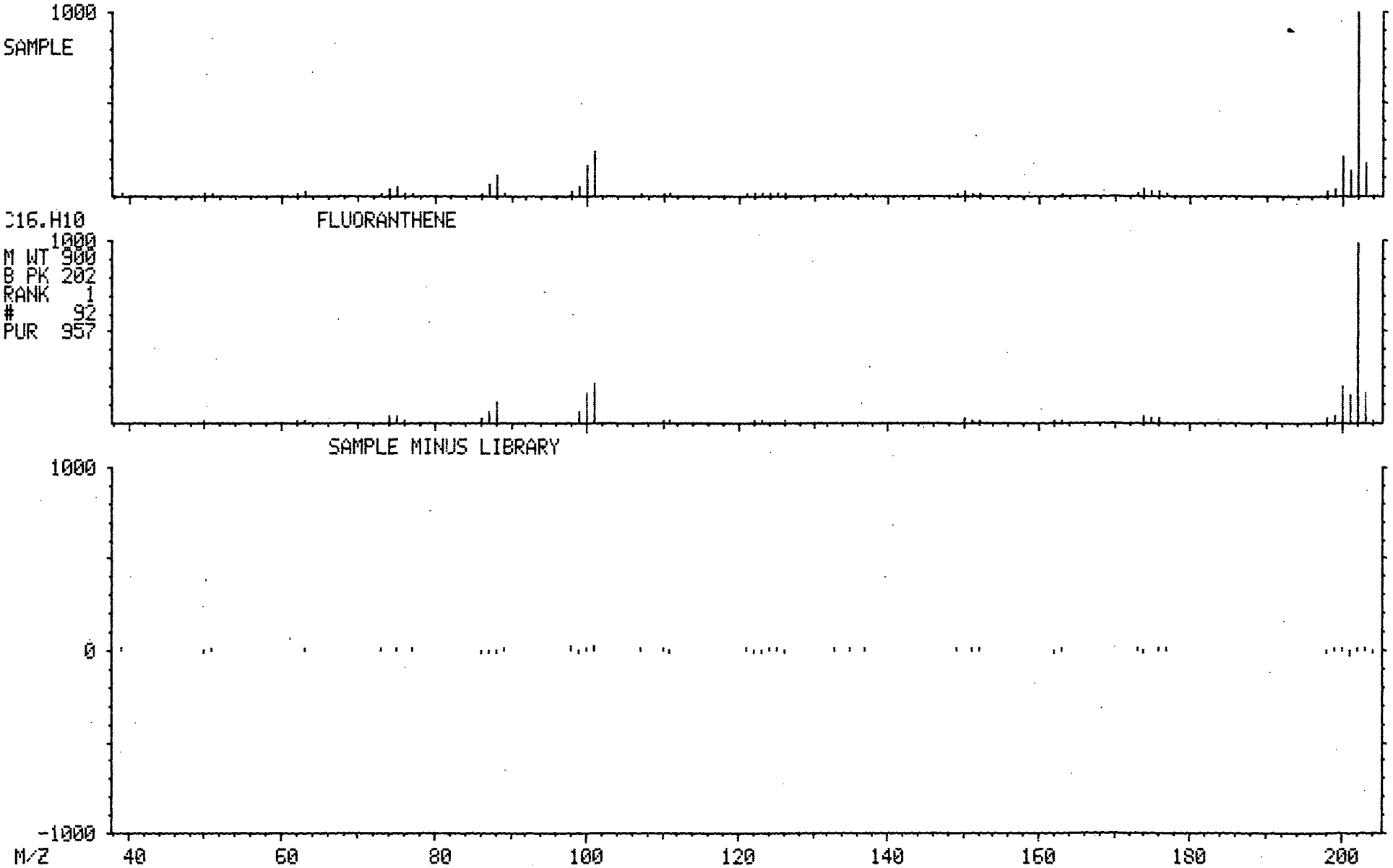


MID LIBRARY SEARCH
06/16/91 0:07:00 + 25:54
SAMPLE: S8 91-13592
CONDS.: MS-B CASE: EOH0022
ENHANCED (S 15B 2N 0T)

DATA: AD33513592 #1611
CALI: AD33513592 # 2

BASE M/Z: 202
RIC: 20927.

00742

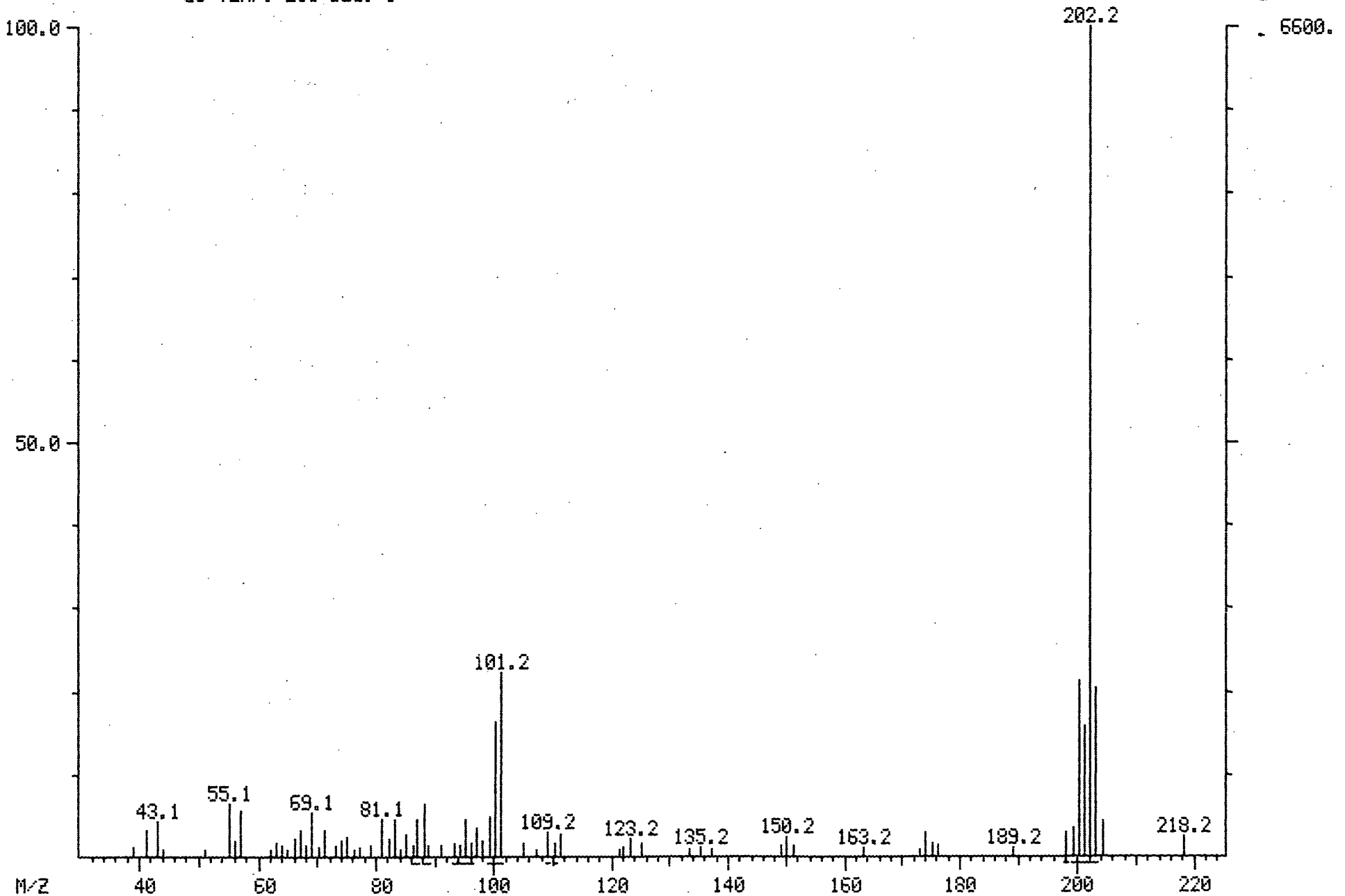


MID MASS SPECTRUM
06/16/91 0:07:00 + 26:29
SAMPLE: S8 91-13592
CONDS.: MS-B CASE: EOH0022
GC TEMP: 265 DEG. C

DATA: AD33513592 #1647
CALI: AD33513592 #2

BASE M/Z: 202
RIC: 22816.

00743

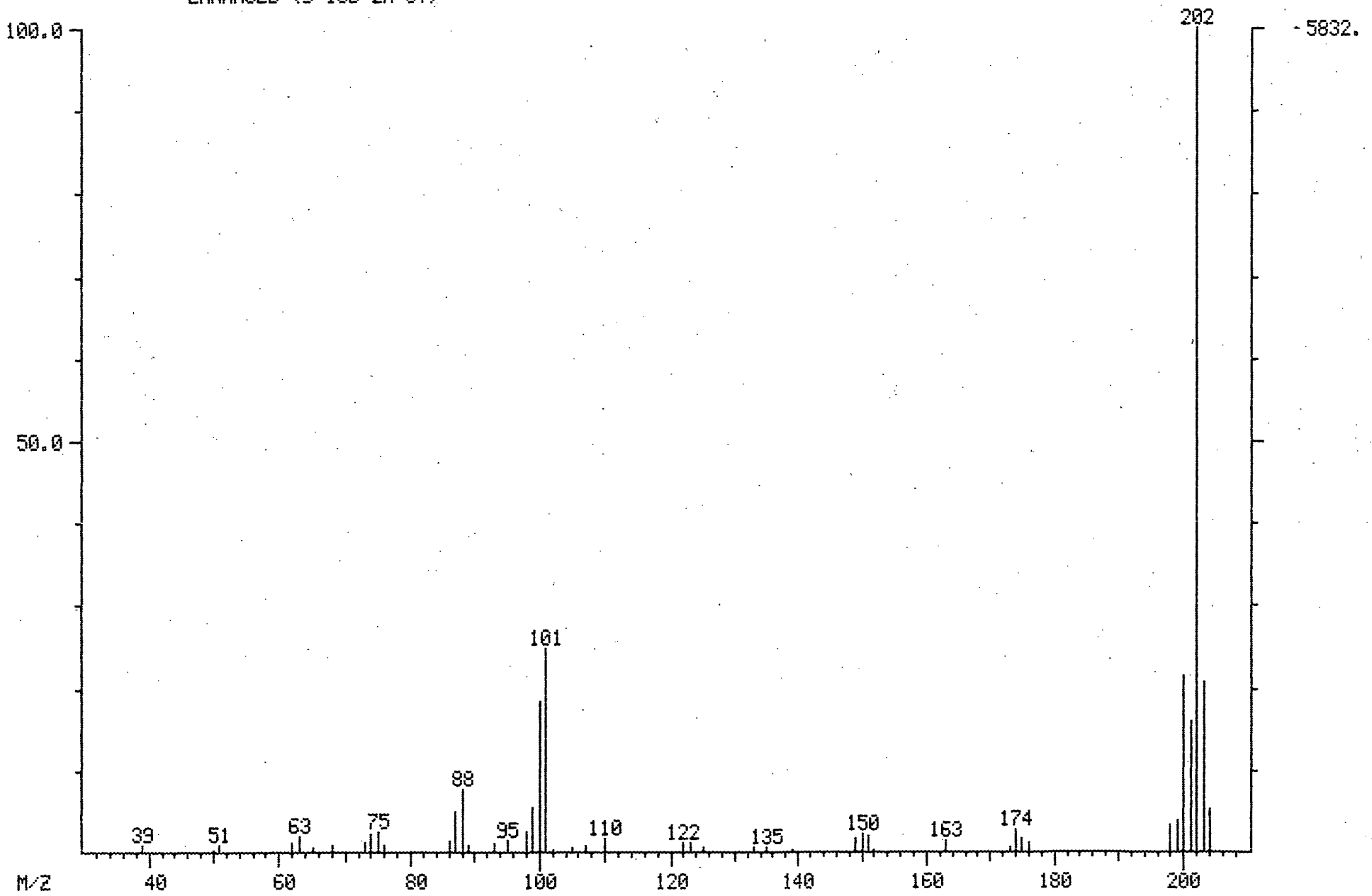


MID MASS SPECTRUM
06/16/91 0:07:00 + 26:29
SAMPLE: S8 91-13592
CONDS.: MS-B CASE: EOH0022
GC TEMP: 265 DEG. C
ENHANCED (S 15B 2N 0T)

DATA: AD33S13592 #1647
CALI: AD33S13592 #2

BASE M/Z: 202
RIC: 15920.

00744

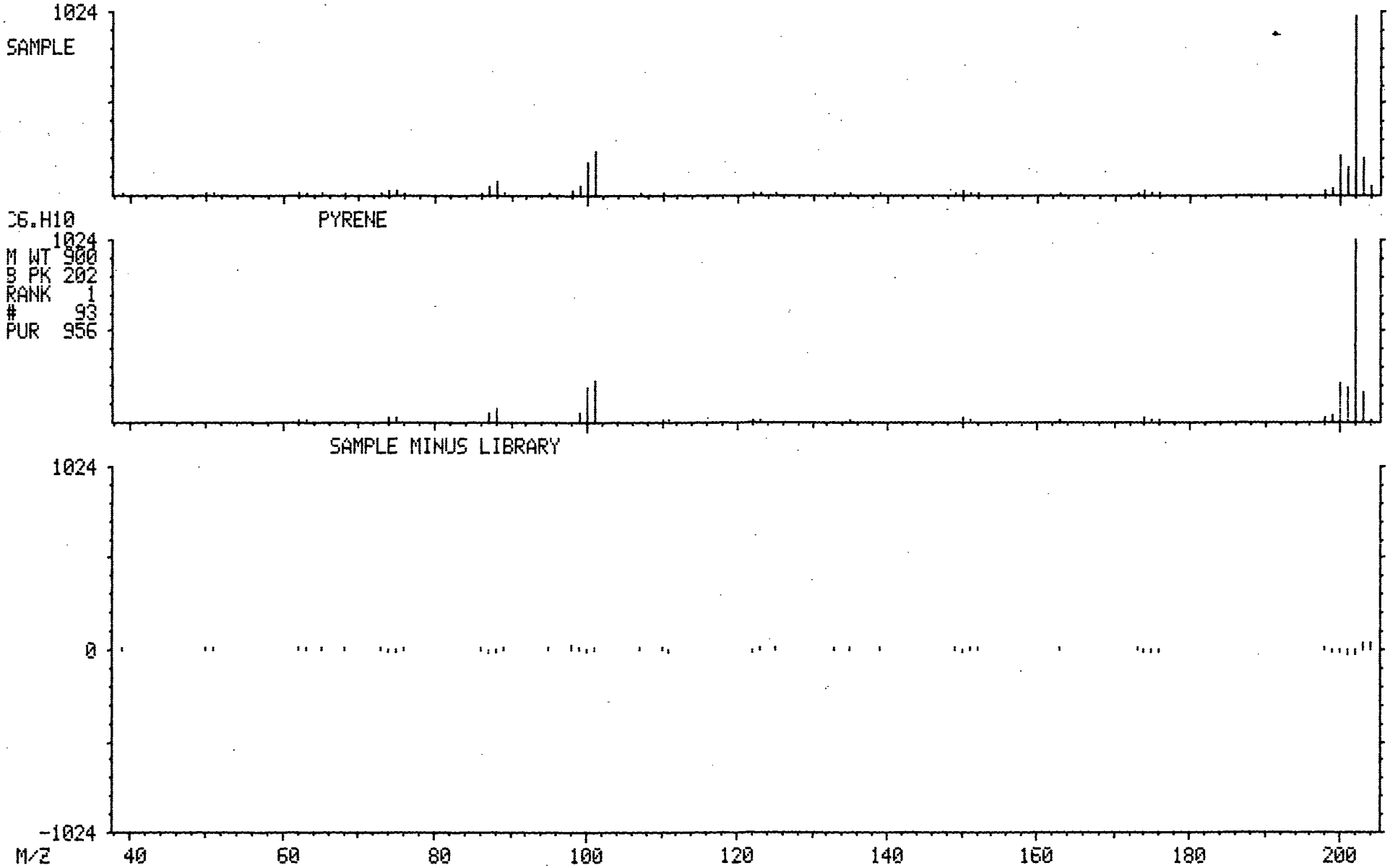


MID LIBRARY SEARCH
06/16/91 0:07:00 + 26:29
SAMPLE: S8 91-13592
CONDS.: MS-B CASE: EOH0022
ENHANCED (S 15B 2N 0T)

DATA: AD33513592 #1647
CALI: AD33513592 # 2

BASE M/Z: 202
RIC: 15791.

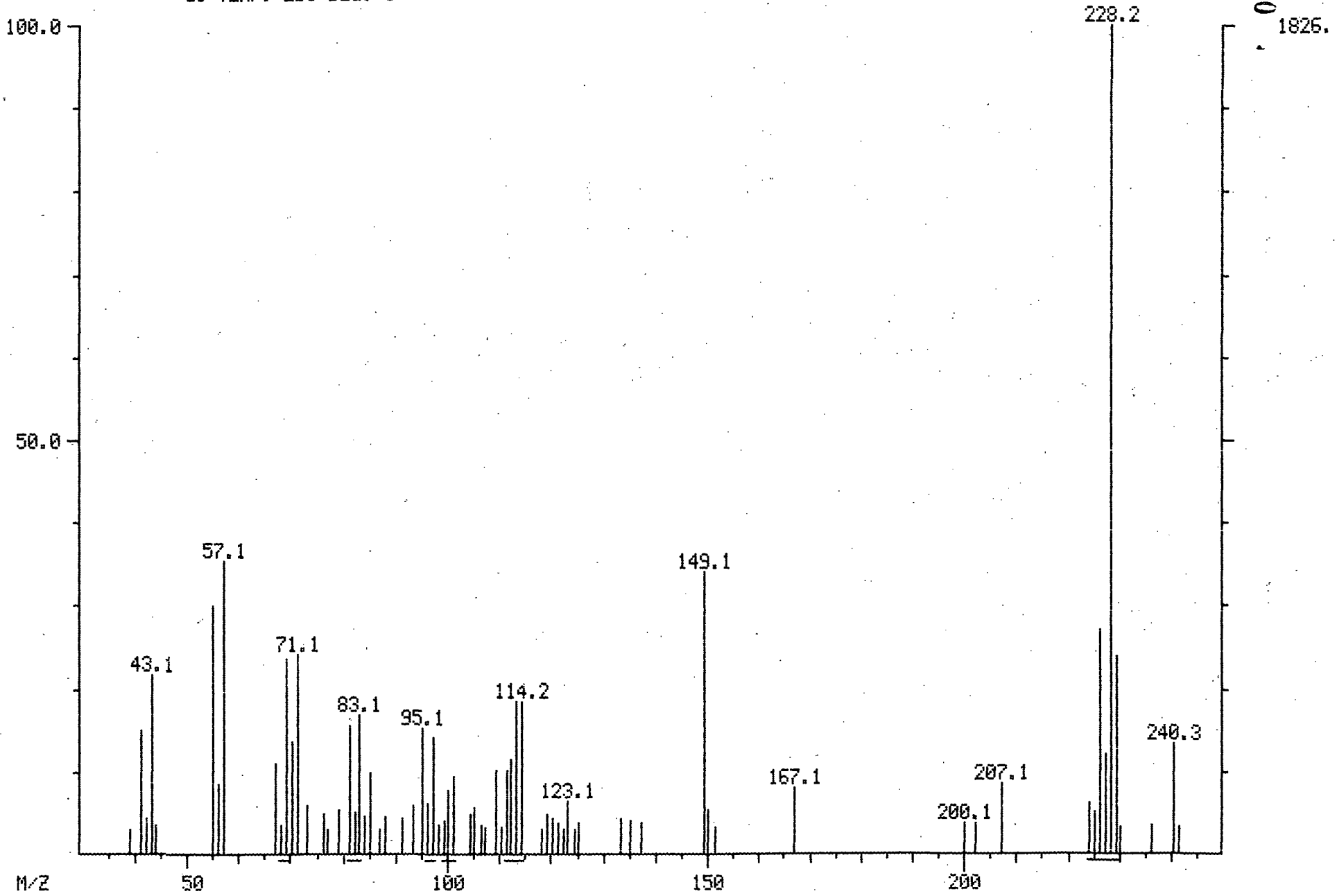
00745



MID MASS SPECTRUM
06/16/91 0:07:00 + 29:43
SAMPLE: S8 91-13592
CONDS.: MS-B CASE: EOH0022
GC TEMP: 298 DEG. C

DATA: AD33513592 #1848
CALI: AD33513592 #2

BASE M/Z: 228
RIC: 13648.



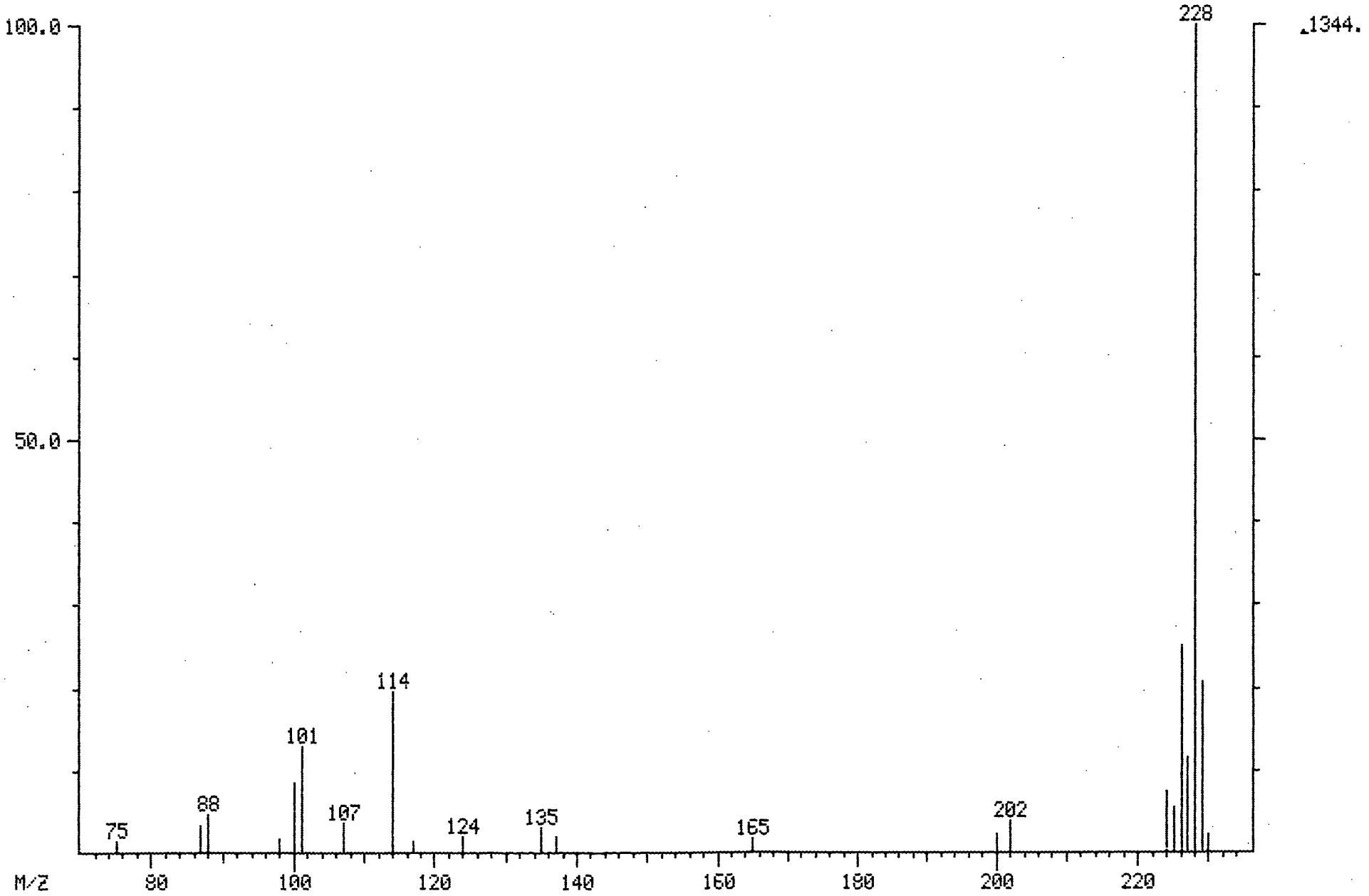
00746

MID MASS SPECTRUM
06/16/91 0:07:00 + 29:43
SAMPLE: S8 91-13592
CONDS.: MS-B CASE: EOH0022
GC TEMP: 298 DEG. C
ENHANCED (S 15B 2N 0T)

DATA: AD33513592 #1848
CALI: AD33513592 #2

BASE M/Z: 228
RIC: 3300.

00747

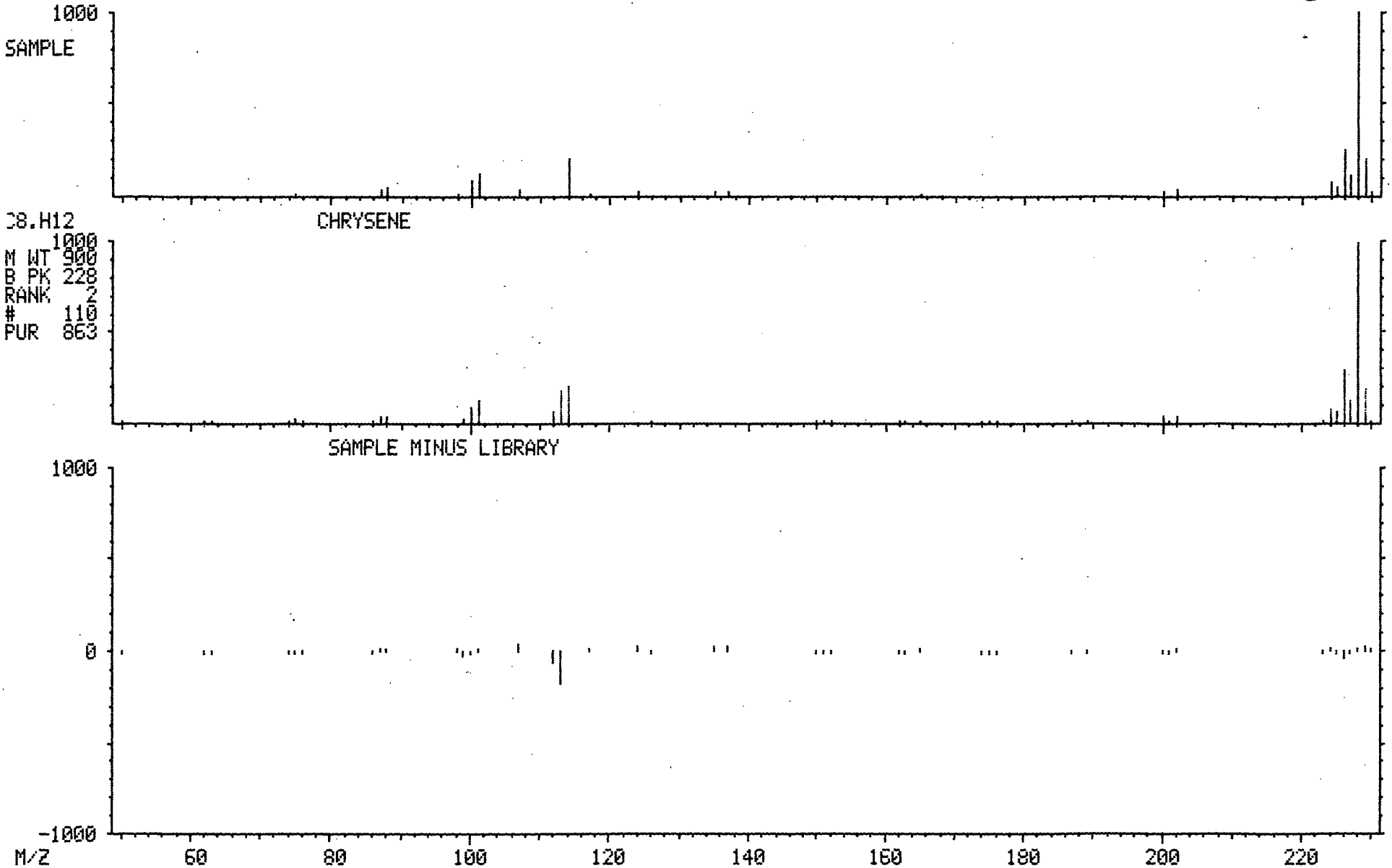


MID LIBRARY SEARCH
06/16/91 0:07:00 + 29:43
SAMPLE: S8 91-13592
CONDS.: MS-B CASE: EOH0022
ENHANCED (S 15B 2N 0T)

DATA: AD33513592 #1848
CALI: AD33513592 # 2

BASE M/Z: 228
RIC: 3303.

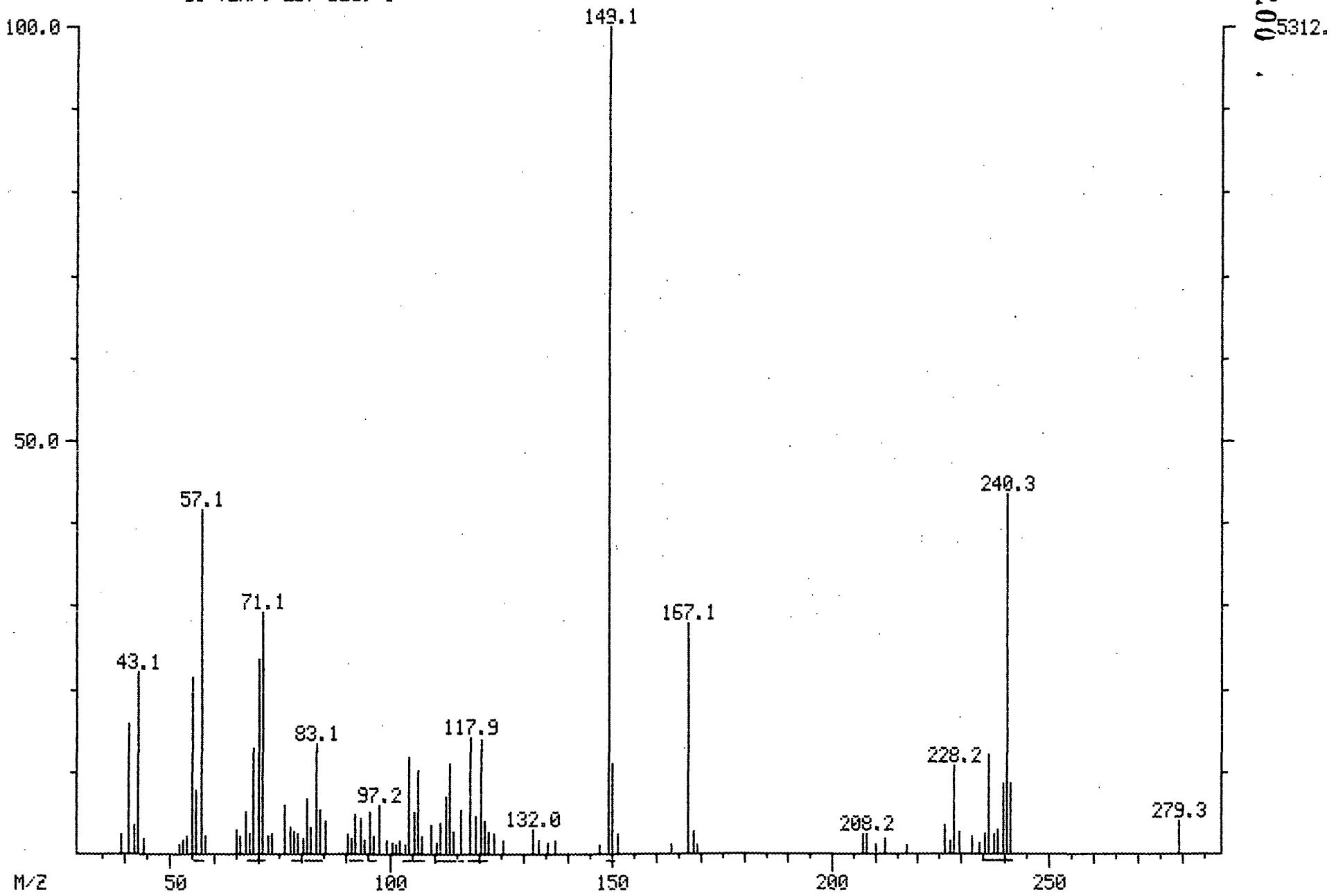
00748



MID MASS SPECTRUM
06/16/91 0:07:00 + 29:41
SAMPLE: S8 91-13592
CONDS.: MS-B CASE: EOH0022
GC TEMP: 297 DEG. C

DATA: AD33513592 #1846
CALI: AD33513592 #2

BASE M/Z: 149
RIC: 35520.



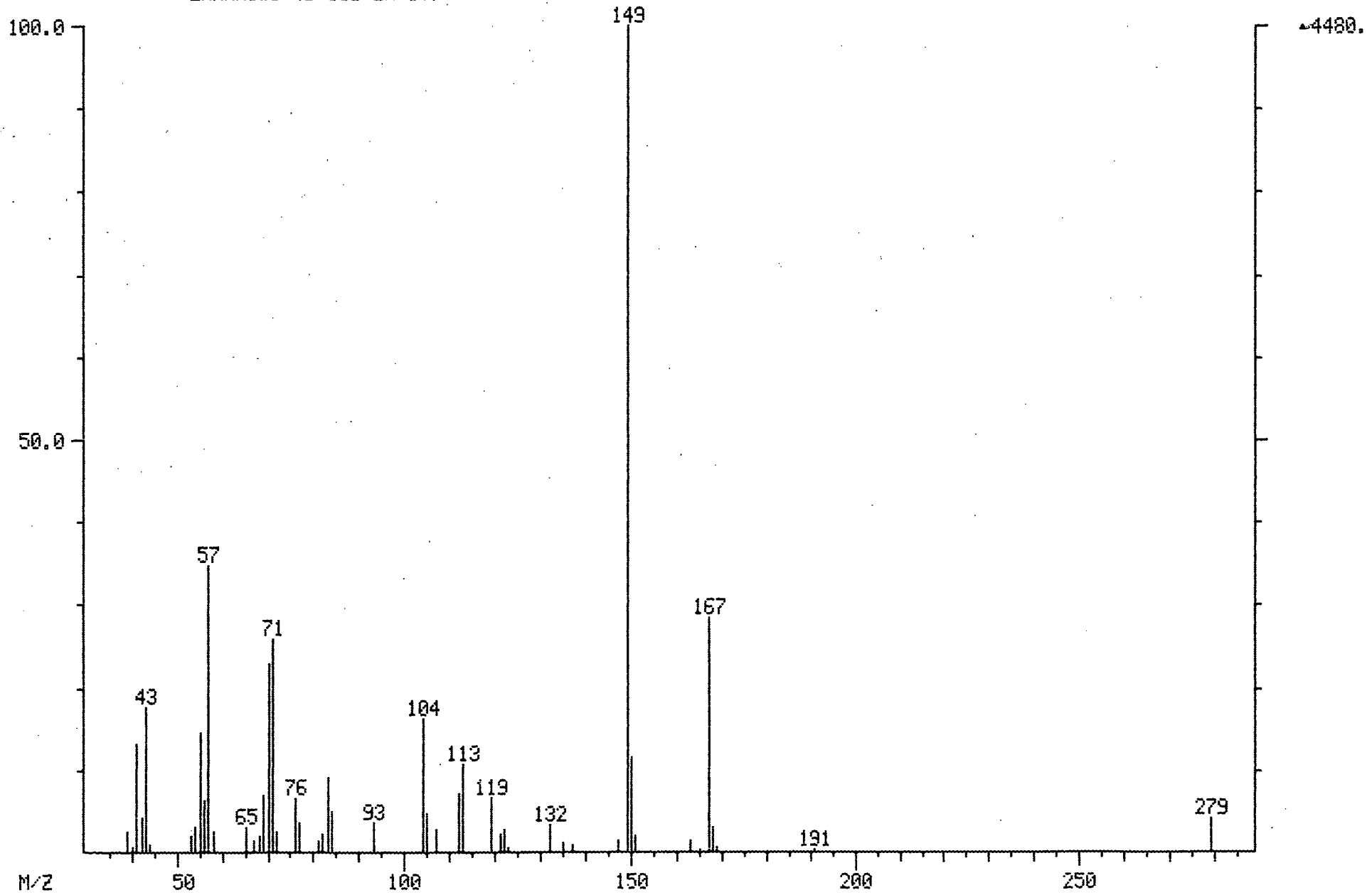
00749

MID MASS SPECTRUM
06/16/91 0:07:00 + 29:41
SAMPLE: S8 91-13592
CONDS.: MS-B CASE: EOH0022
GC TEMP: 297 DEG. C
ENHANCED (S 15B 2N 0T)

DATA: AD33513592 #1846
CALI: AD33513592 #2

BASE M/Z: 149
RIC: 18400.

00750

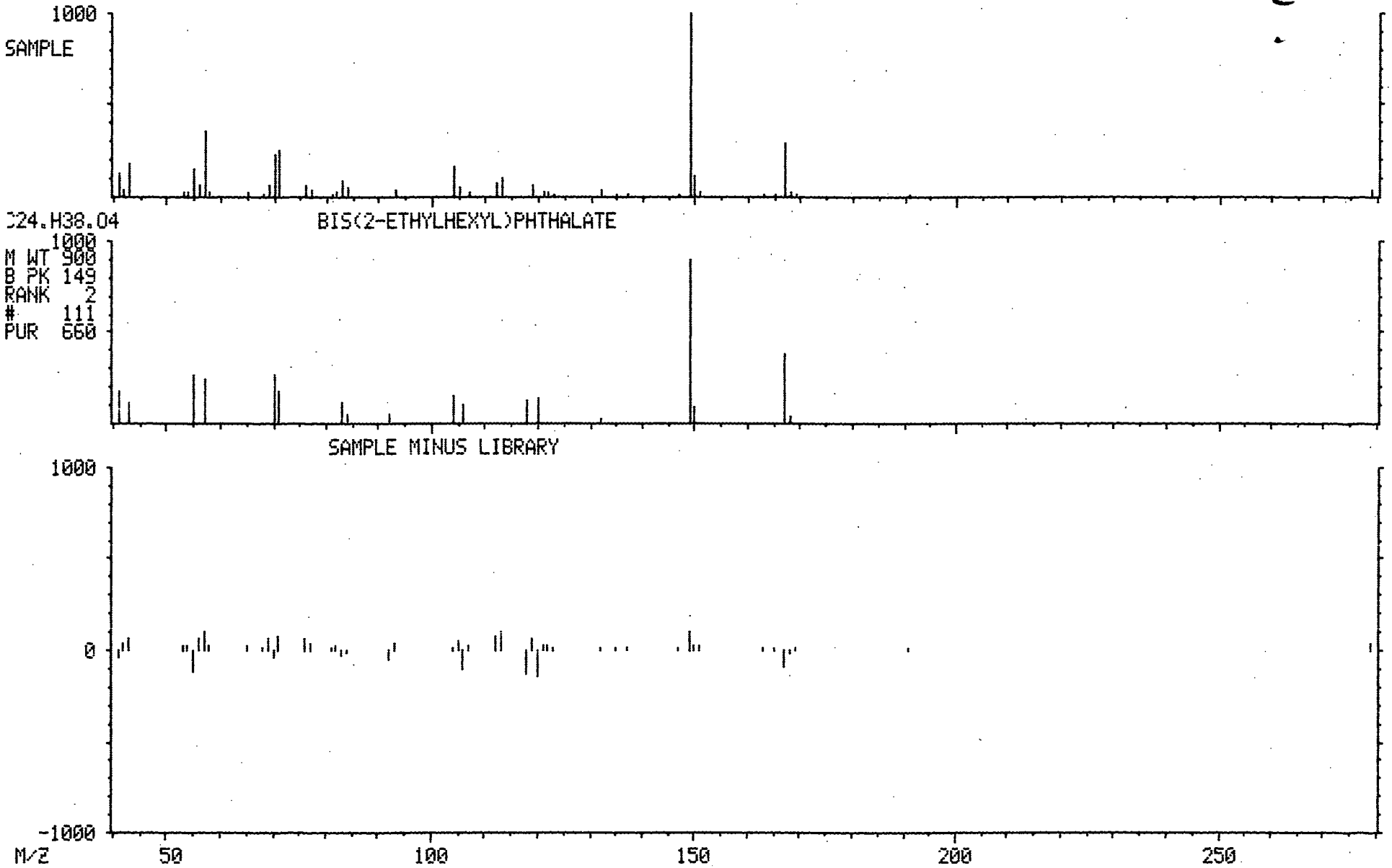


MID LIBRARY SEARCH
06/16/91 0:07:00 + 29:41
SAMPLE: S8 91-13592
CONDS.: MS-B CASE: EOH0022
ENHANCED (S 15B 2N 0T)

DATA: AD33S13592 #1846
CALI: AD33S13592 # 2

BASE M/Z: 149
RIC: 18047.

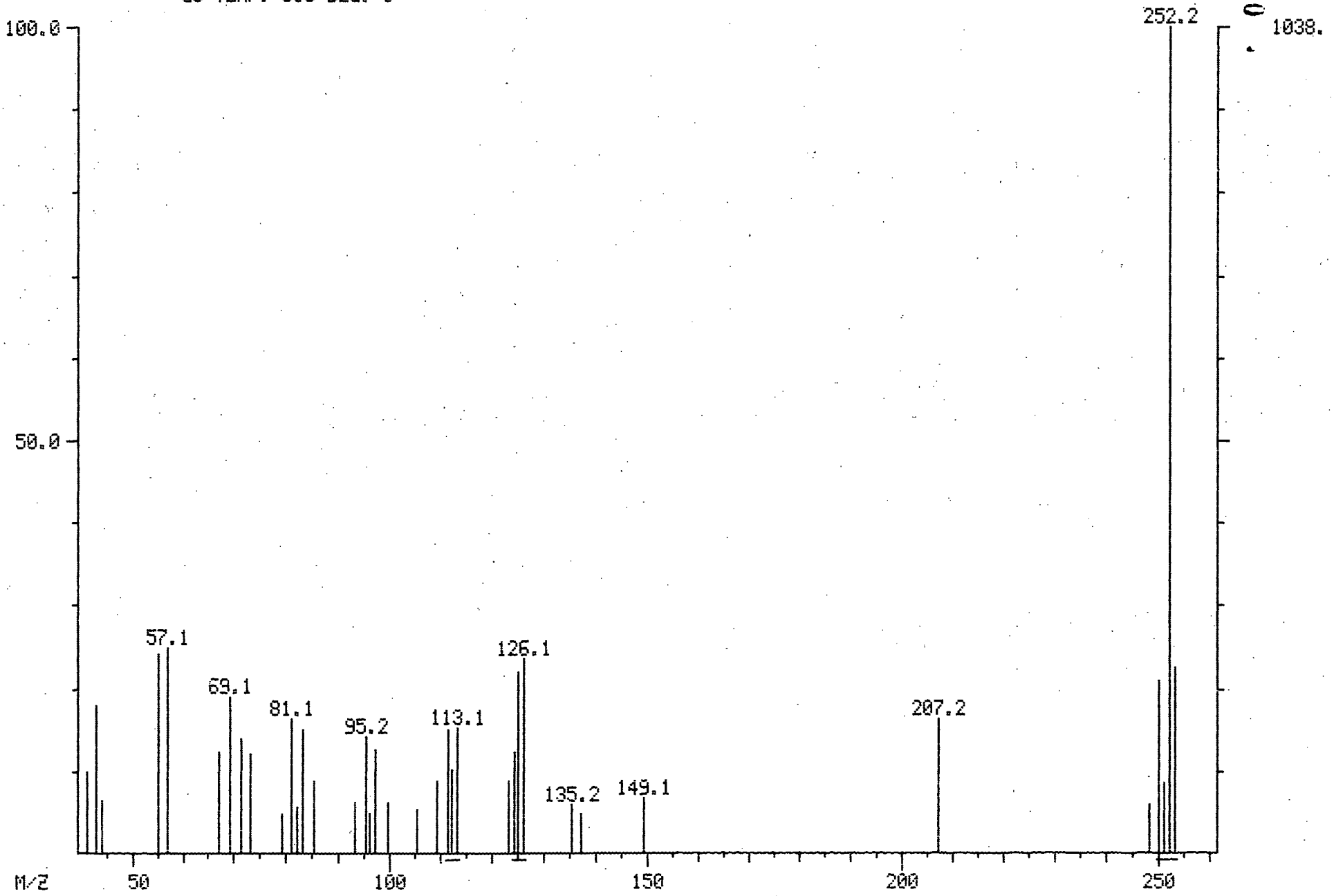
00751



MID MASS SPECTRUM
06/16/91 0:07:00 + 32:55
SAMPLE: S8 91-13592
CONDS.: MS-B CASE: EOH0022
GC TEMP: 300 DEG. C

DATA: AD33513592 #2047
CALI: AD33513592 #2

BASE M/Z: 252
RIC: 5712.



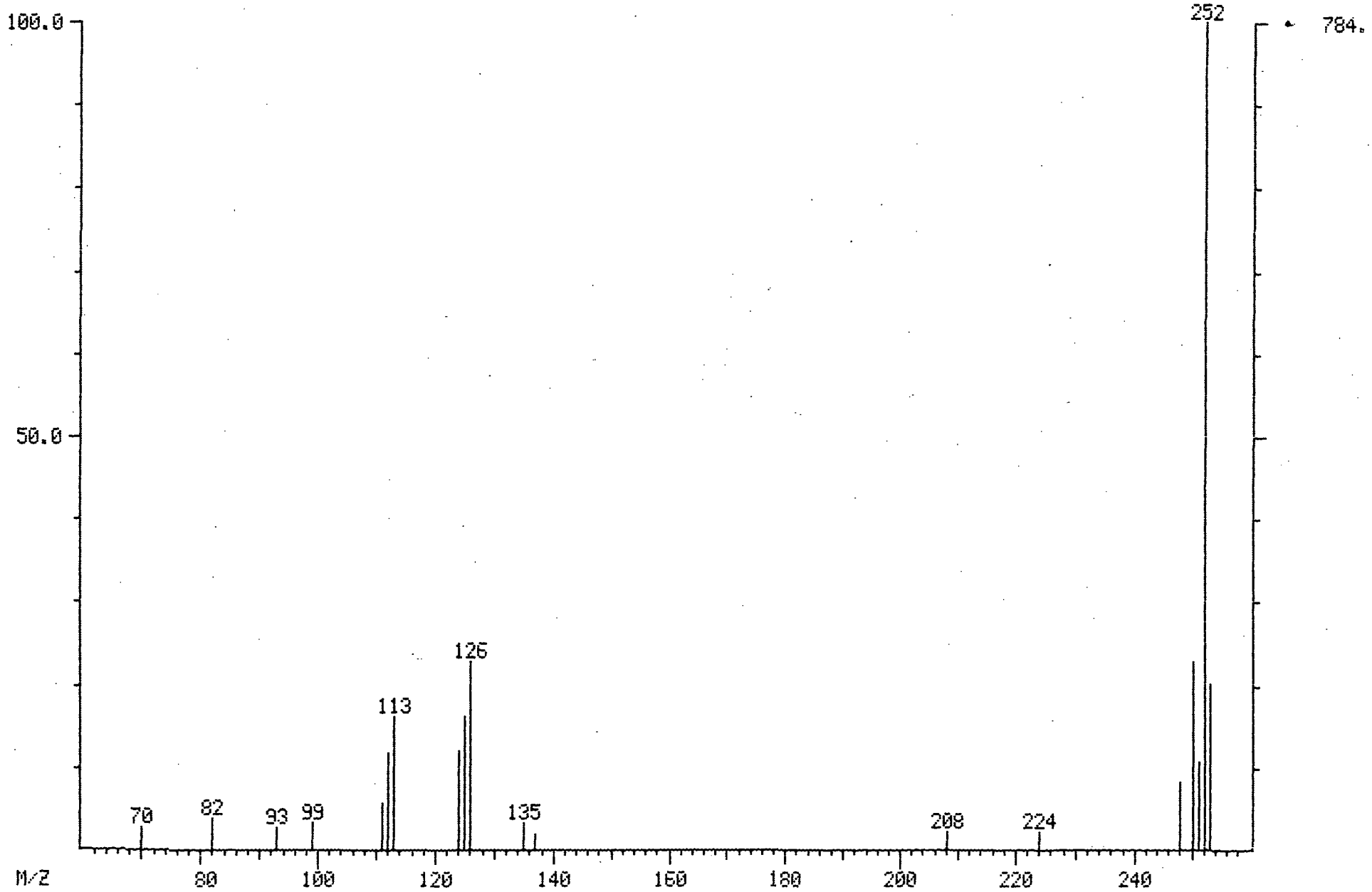
00752

MID MASS SPECTRUM
06/16/91 0:07:00 + 32:55
SAMPLE: S8 91-13592
CONDS.: MS-B CASE: EOH0022
GC TEMP: 300 DEG. C
ENHANCED (S 15B 2N 0T)

DATA: AD33513592 #2047
CALI: AD33513592 #2

BASE M/Z: 252
RIC: 2120.

00753

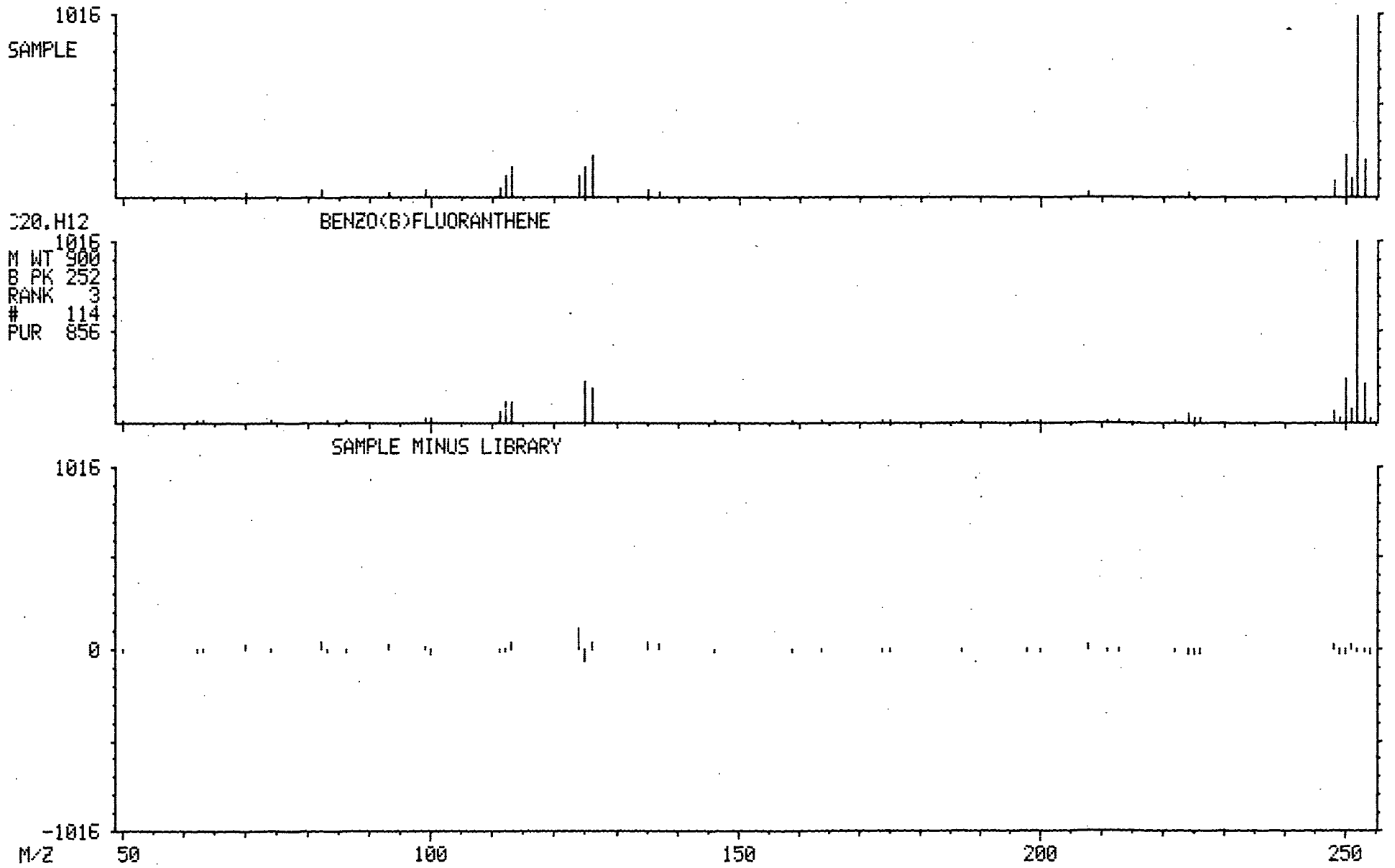


MID LIBRARY SEARCH
06/16/91 0:07:00 + 32:55
SAMPLE: S8 91-13592
CONDS.: MS-B CASE: EOH0022
ENHANCED (S 15B 2N 0T)

DATA: AD33513592 #2047
CALI: AD33513592 # 2

BASE M/Z: 252
RIC: 2119.

00754

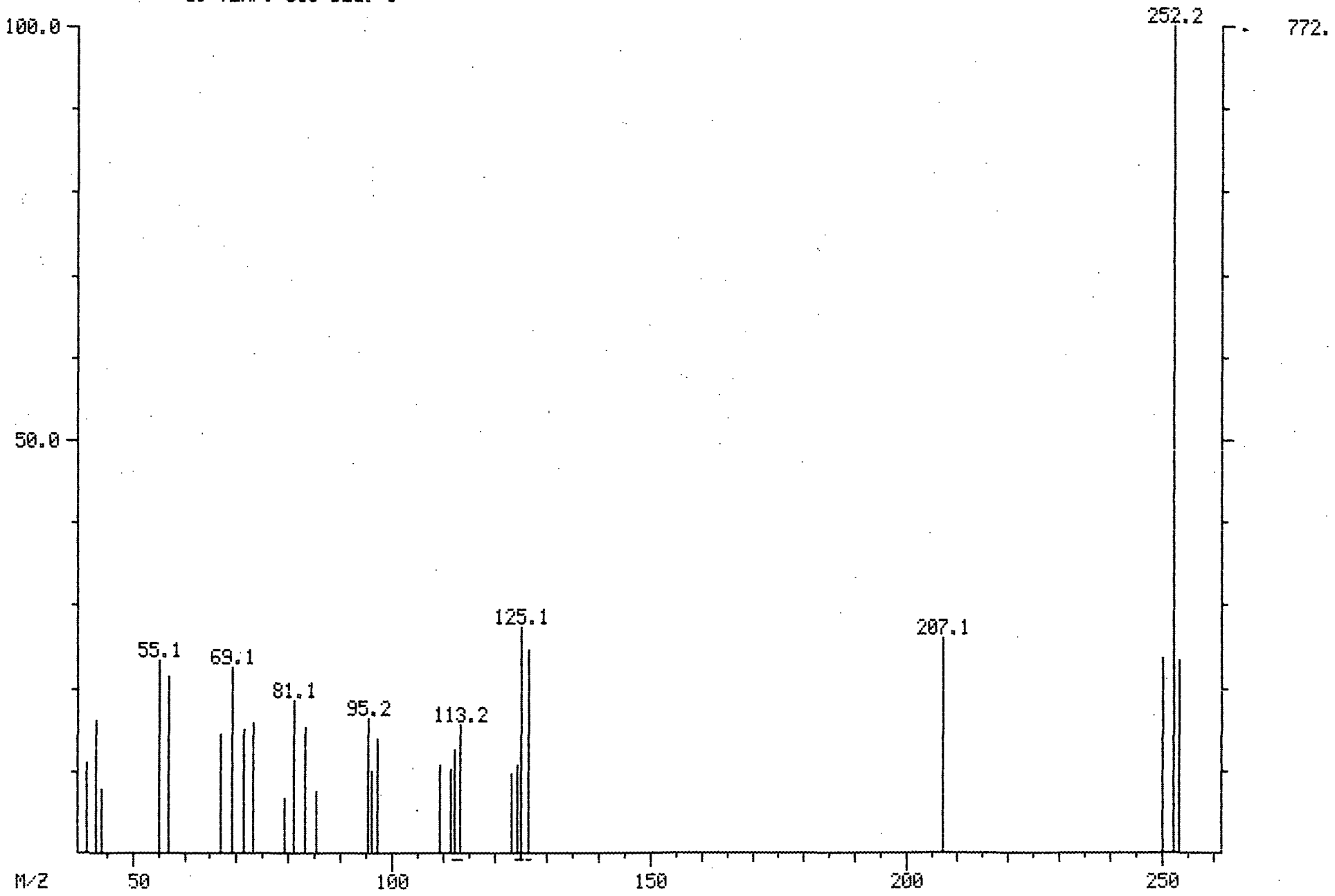


MID MASS SPECTRUM
06/16/91 0:07:00 + 34:12
SAMPLE: S8 91-13592
CONDS.: MS-B CASE: EOH0022
GC TEMP: 300 DEG. C

DATA: AD33S13592 #2127
CALI: AD33S13592 #2

BASE M/Z: 252
RIC: 4120.

00755

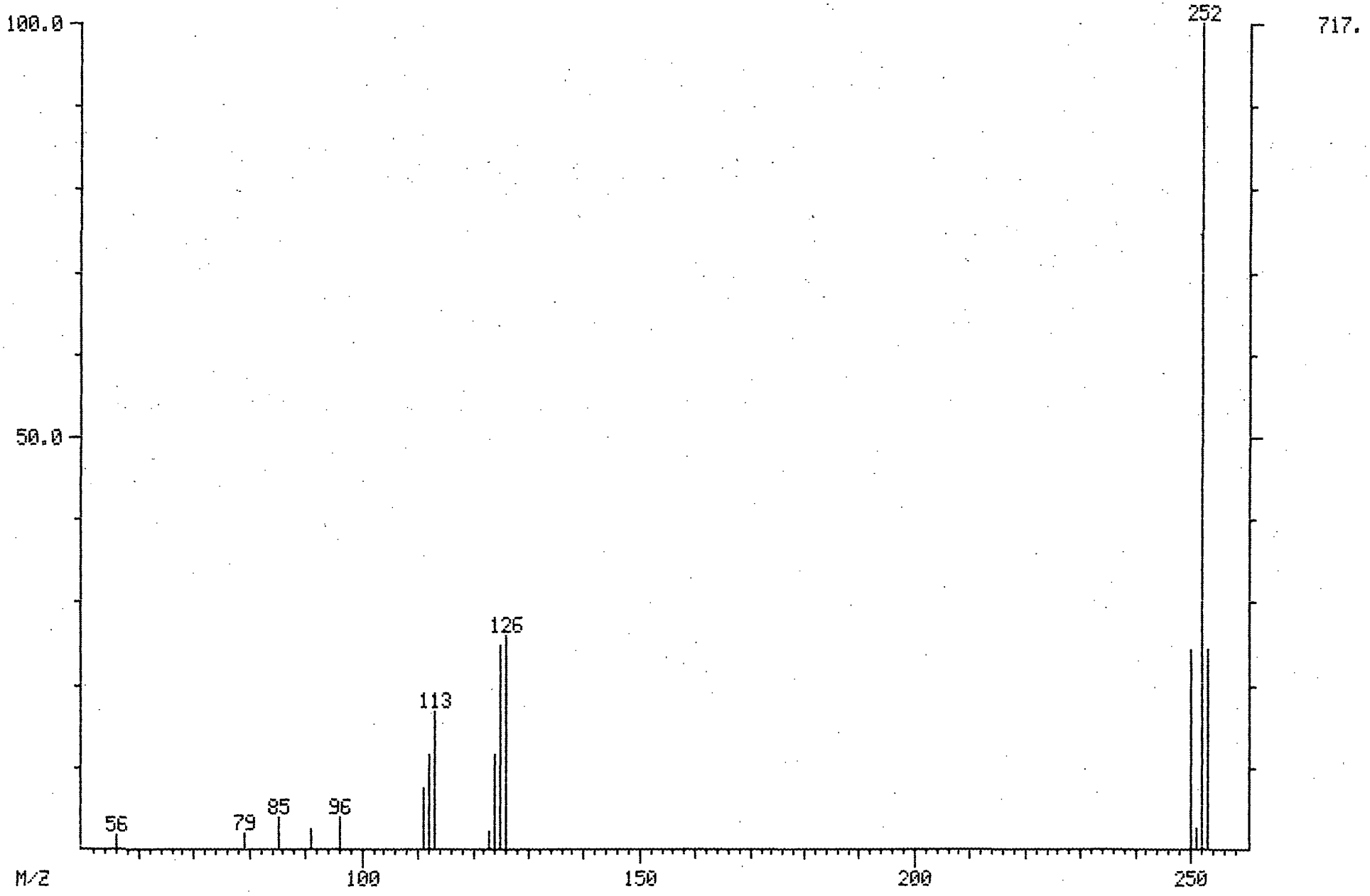


MID MASS SPECTRUM
06/16/91 0:07:00 + 34:12
SAMPLE: S8 91-13592
CONDS.: MS-B CASE: EOH0022
GC TEMP: 300 DEG. C
ENHANCED (S 15B 2N 0T)

DATA: AD33513592 #2127
CALI: AD33513592 #2

BASE M/Z: 252
RIC: 1904.

00756

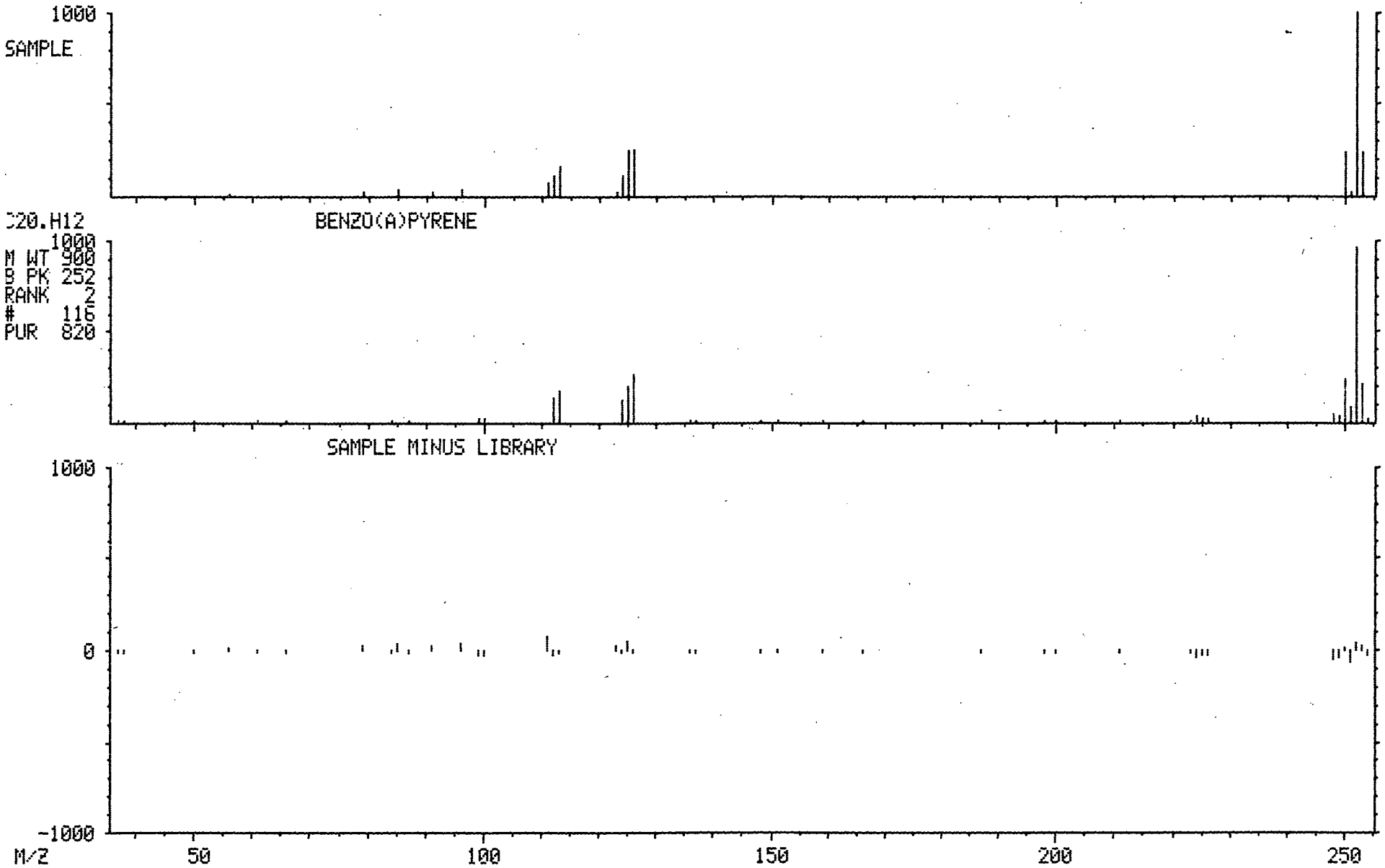


MID LIBRARY SEARCH
06/16/91 0:07:00 + 34:12
SAMPLE: S8 91-13592
CONDS.: MS-B CASE: EOH0022
ENHANCED (S 15B 2N 0T)

DATA: AD33S13592 #2127
CALI: AD33S13592 # 2

BASE M/Z: 252
RIC: 1903.

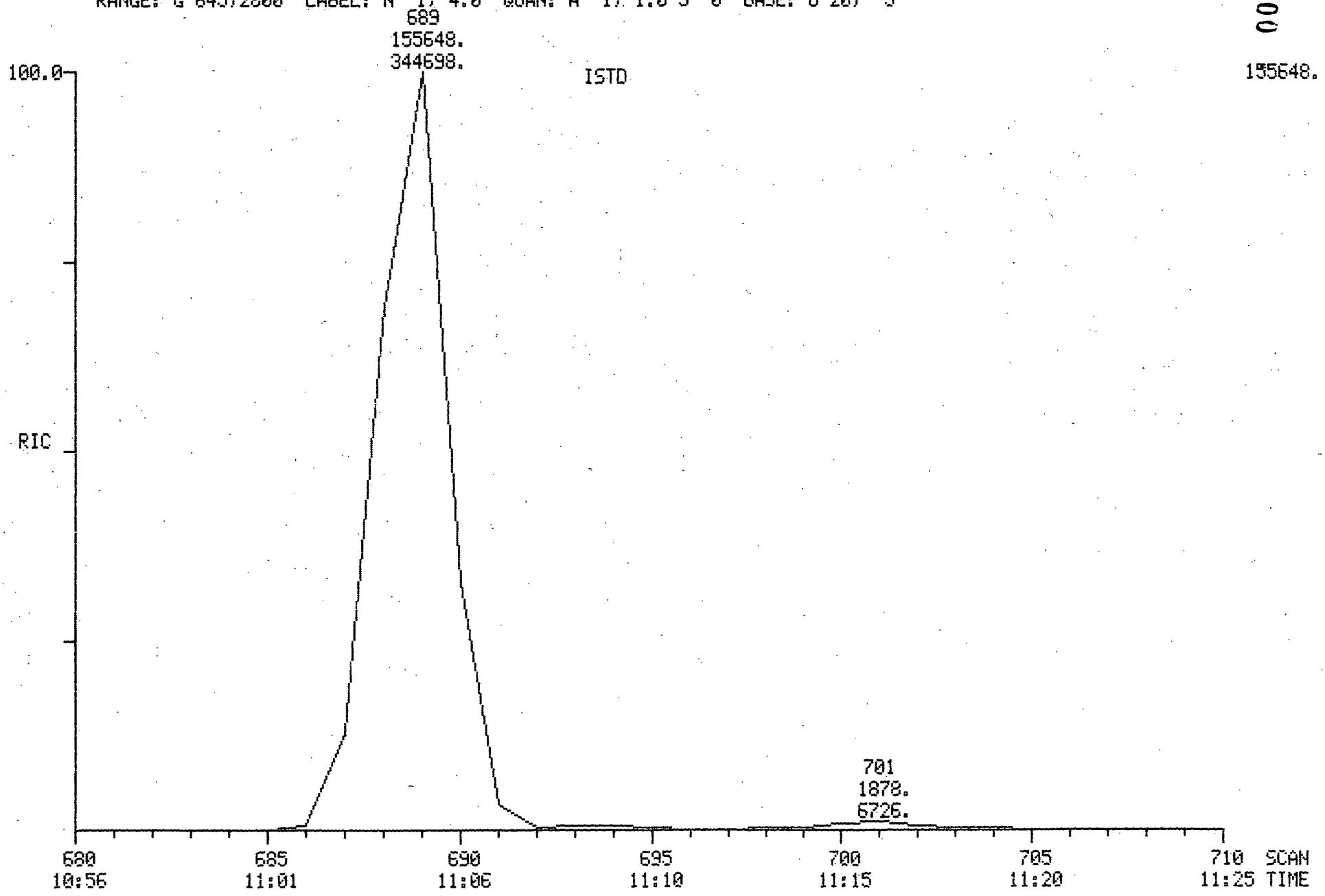
00757



MIDRIC
06/16/91 0:07:00
SAMPLE: S8 91-13592
CONDS.: MS-B CASE: EOH0022
RANGE: G 645,2800 LABEL: N 1, 4.0 QUAN: A 1, 1.0 J 0 BASE: U 20, 3

DATA: AD33513592 #1 SCANS 680 TO 710
CALI: AD33513592 #2

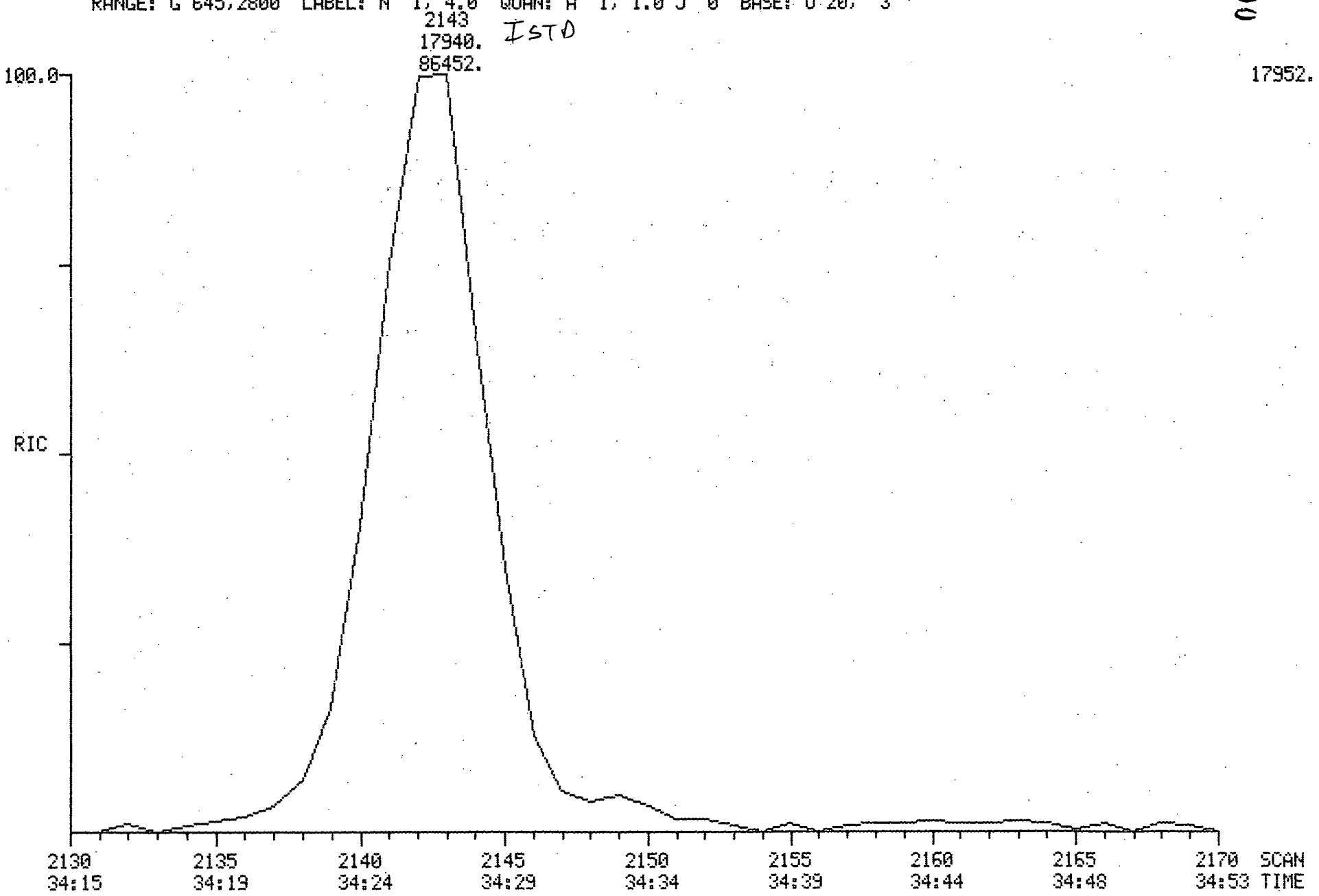
00758



MIDRIC
06/16/91 0:07:00
SAMPLE: S8 91-13592
CONDS.: MS-B CASE: EOH0022
RANGE: G 645,2800 LABEL: N 1, 4.0 QUAN: A 1, 1.0 J 0 BASE: U 20, 3

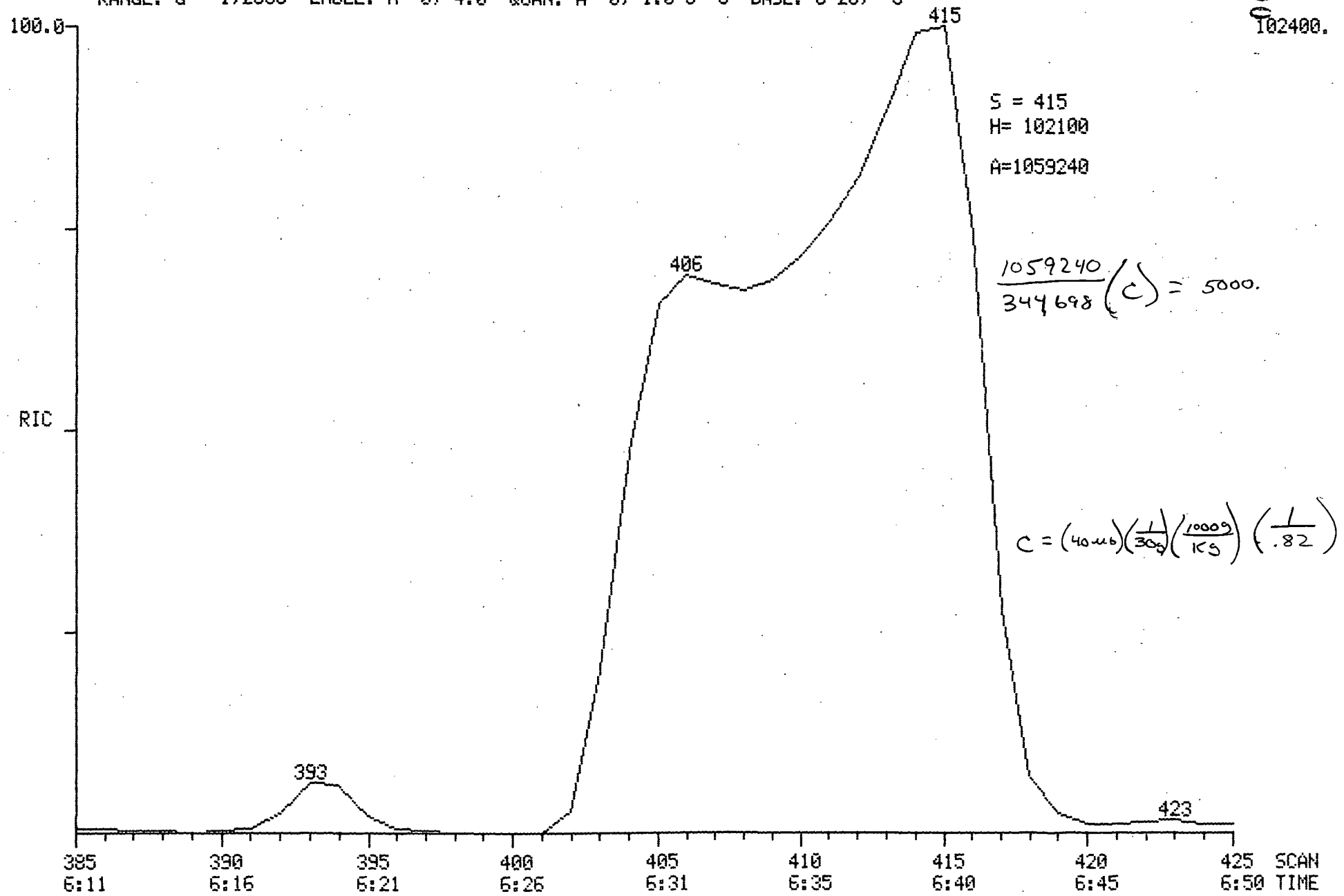
DATA: AD33513592 #1 SCANS 2130 TO 2170
CALI: AD33513592 #2

00759



MIDRIC
06/16/91 0:07:00
SAMPLE: S8 91-13592
CONDS.: MS-B CASE: EOH0022
RANGE: G 1,2800 LABEL: N 0, 4.0 QUAN: A 0, 1.0 J 0 BASE: U 20, 3

DATA: AD33513592 #1 SCANS 385 TO 425
CALI: AD33513592 #2



S = 415
H= 102100

A=1059240

$\frac{1059240}{344698}(C) = 5000.$

$C = (40\mu g)\left(\frac{1}{30g}\right)\left(\frac{1000g}{kg}\right)\left(\frac{1}{.82}\right)$

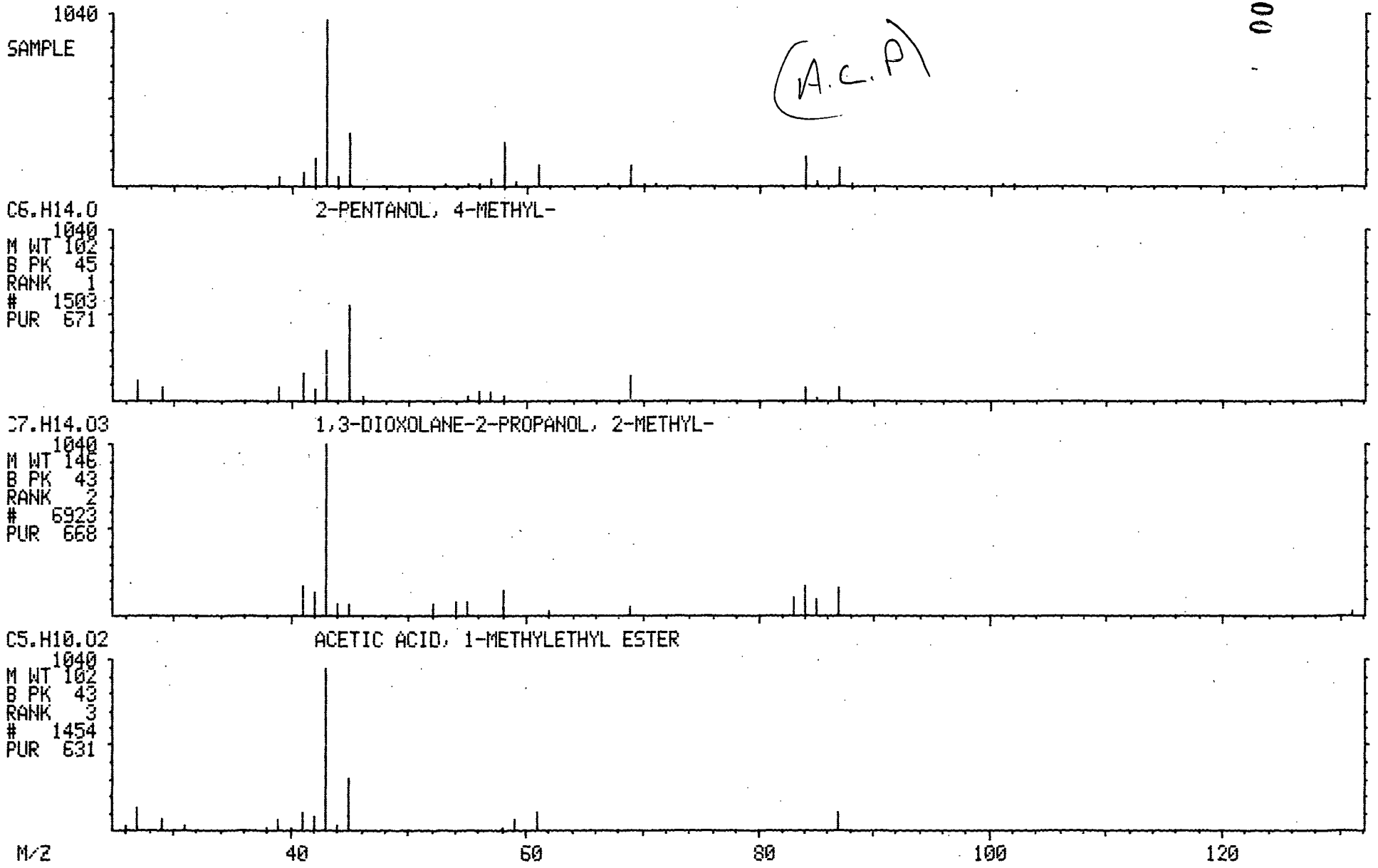
00760

MID LIBRARY SEARCH
06/16/91 0:07:00 + 6:40
SAMPLE: S8 91-13592
CONDS.: MS-B CASE: EOH0022
ENHANCED (S 15B 2N 0T)

DATA: AD33S13592 # 415 BASE M/Z: 43
CALI: AD33S13592 # 2 RIC: 64511.

00761

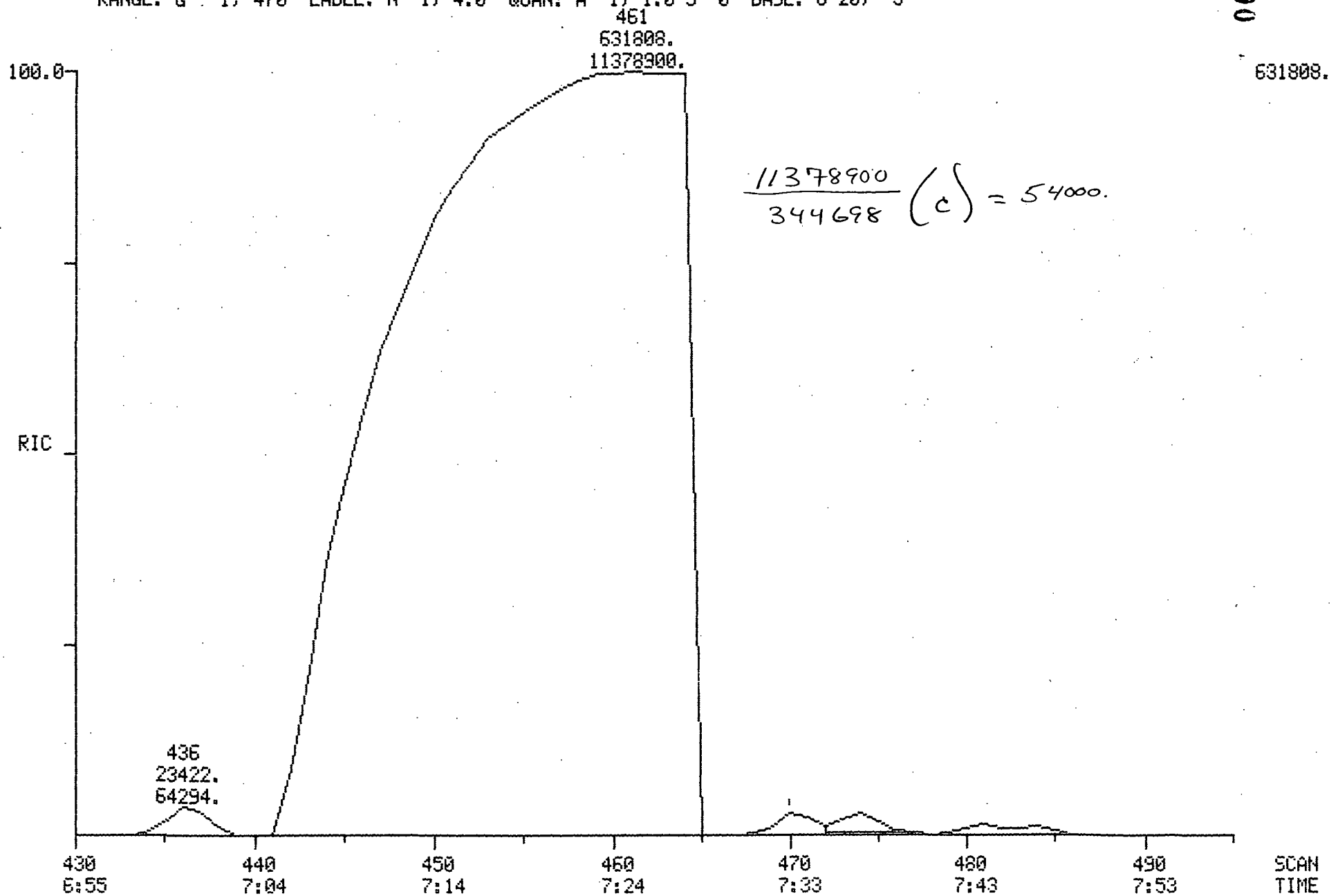
(A.C.P)



MIDRIC
06/16/91 0:07:00
SAMPLE: S8 91-13592
CONDS.: MS-B CASE: EOH0022
RANGE: G 1, 470 LABEL: N 1, 4.0 QUAN: A 1, 1.0 J 0 BASE: U 20, 3

DATA: AD33513592 #1 SCANS 430 TO 495
CALI: AD33513592 #2

00762



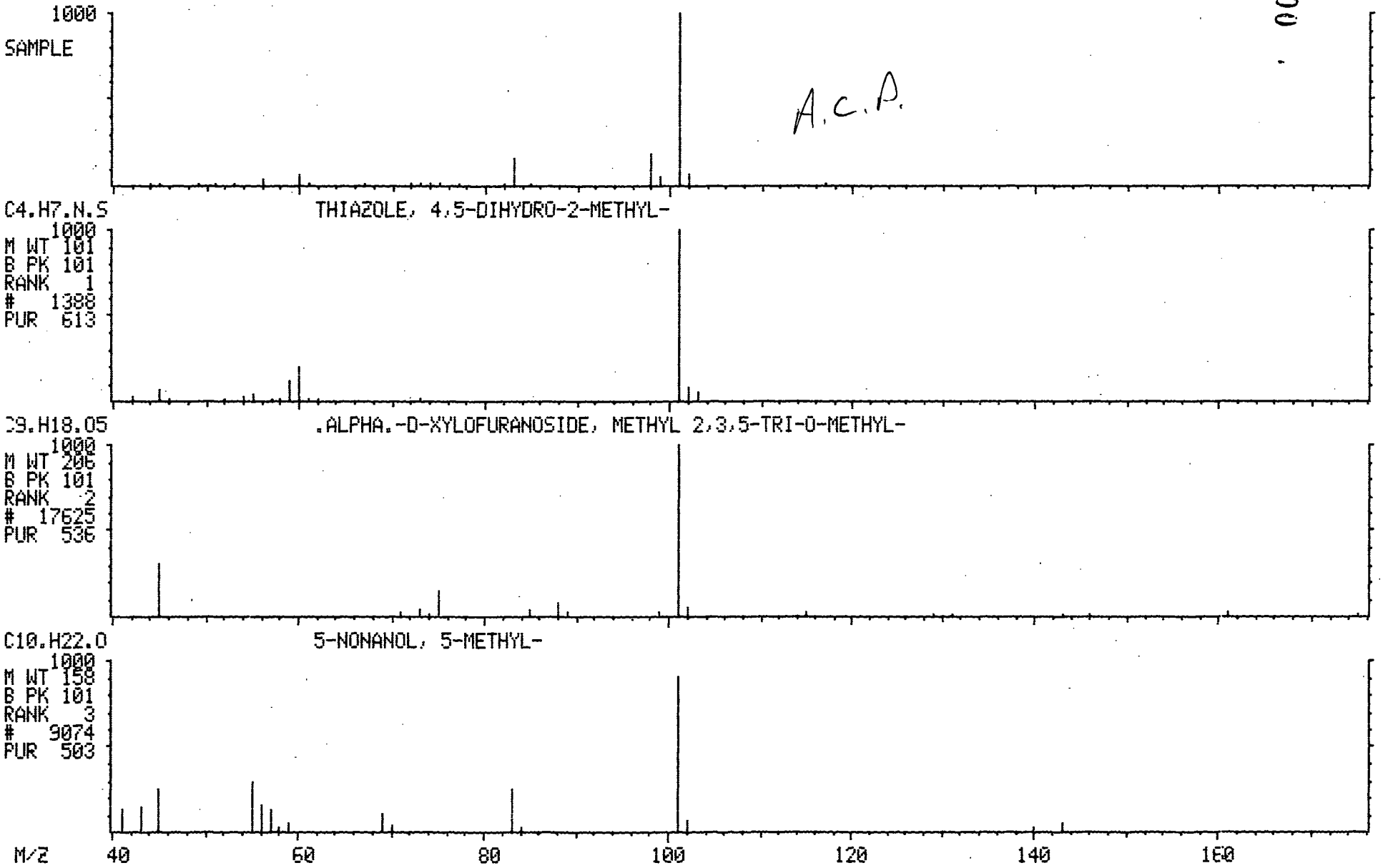
$\frac{11378900}{344698}$ (c) = 54000.

MID LIBRARY SEARCH
06/16/91 0:07:00 + 7:25
SAMPLE: S8 91-13592
CONDS.: MS-B CASE: EOH0022
ENHANCED (S 15B 2N 0T)

DATA: AD33513592 # 461
CALI: AD33513592 # 2

BASE M/Z: 101
RIC: 131583.

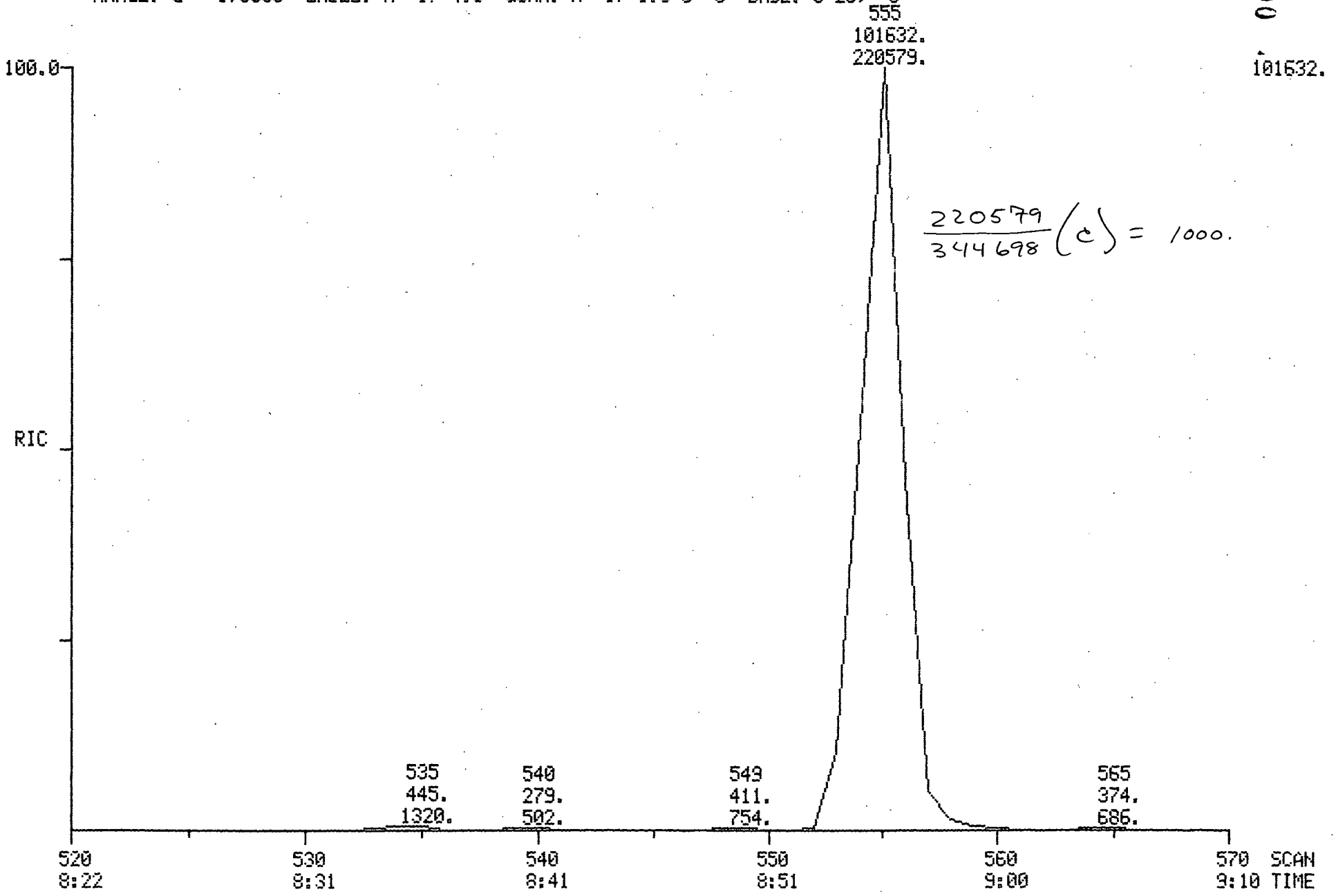
00763



MIDRIC
06/16/91 0:07:00
SAMPLE: S8 91-13592
CONDS.: MS-B CASE: EOH0022
RANGE: G 1,3000 LABEL: N 1, 4.0 QUAN: A 1, 1.0 J 0 BASE: U 20, 3

DATA: AD33513592 #1 SCANS 520 TO 570
CALI: AD33513592 #2

00764



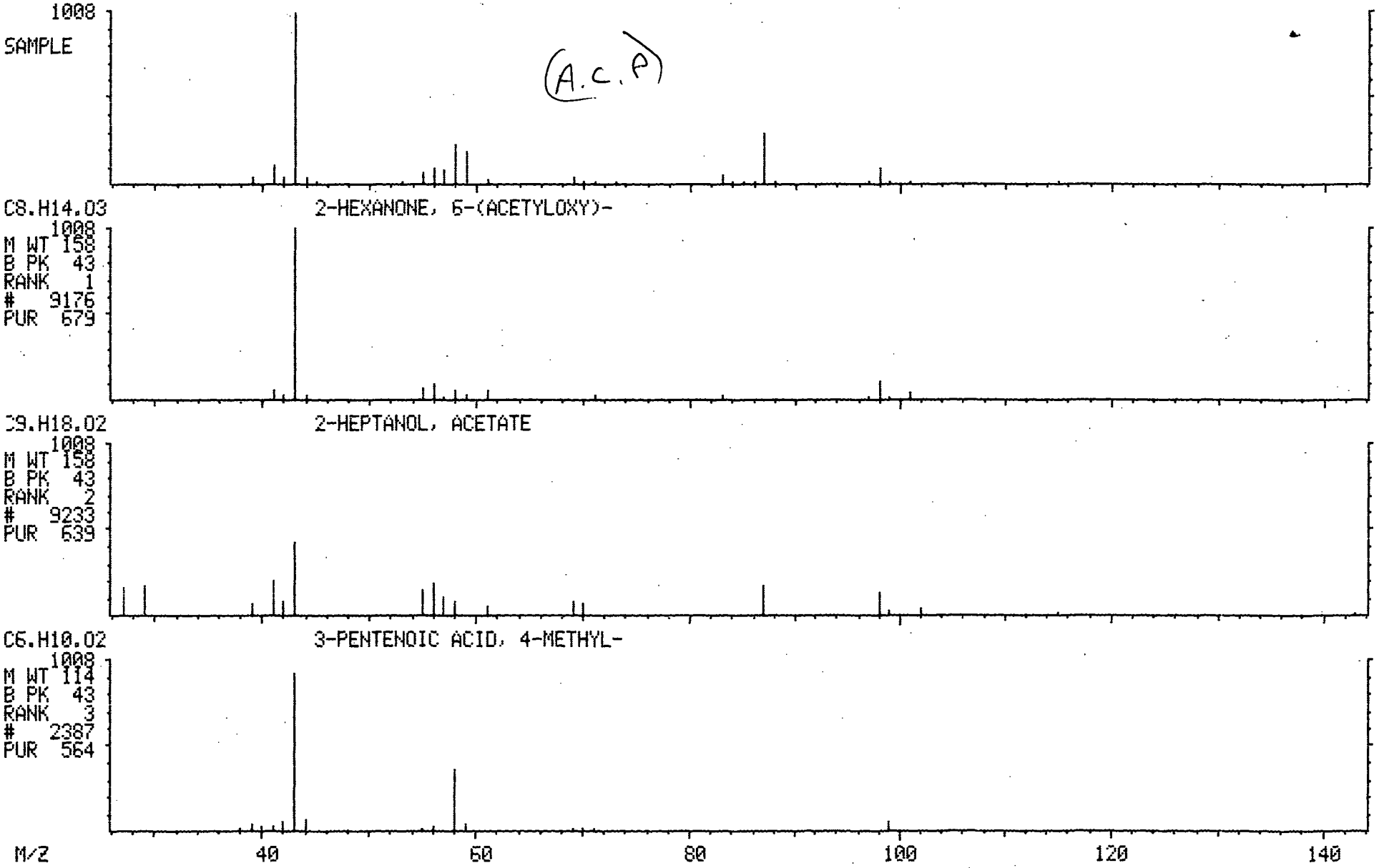
$\frac{220579}{344698}(c) = 1000.$

MID LIBRARY SEARCH
06/16/91 0:07:00 + 8:55
SAMPLE: S8 91-13592
CONDS.: MS-B CASE: EOH0022
ENHANCED (S 15B 2N 0T)

DATA: AD33513592 # 555
CALI: AD33513592 # 2

BASE M/Z: 43
RIC: 81535.

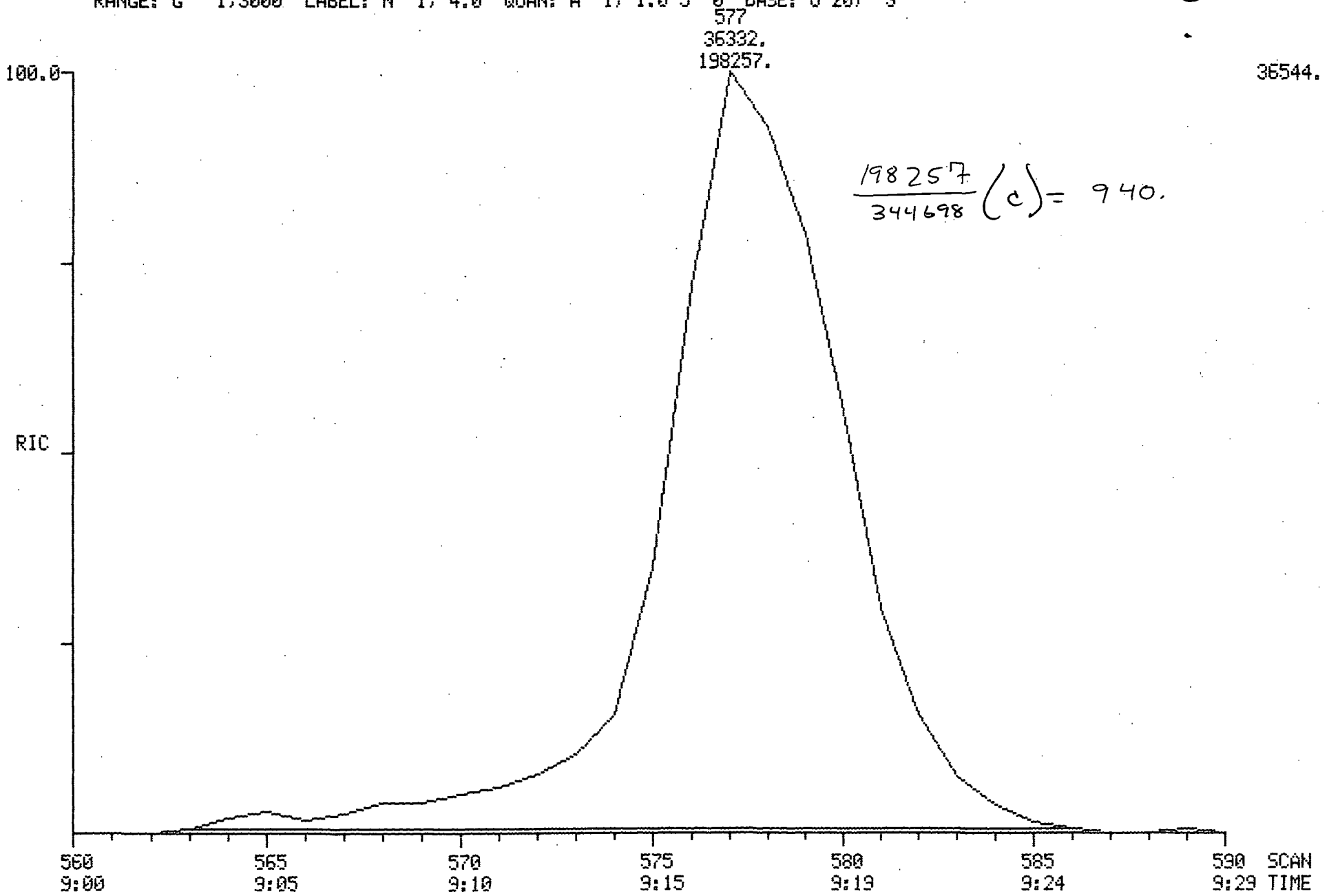
00765



MIDRIC
06/16/91 0:07:00
SAMPLE: S8 91-13592
CONDS.: MS-B CASE: EOH0022
RANGE: G 1,3000 LABEL: N 1, 4.0 QUAN: A 1, 1.0 J 0 BASE: U 20, 3

DATA: AD33513592 #1 SCANS 560 TO 590
CALI: AD33513592 #2

00766



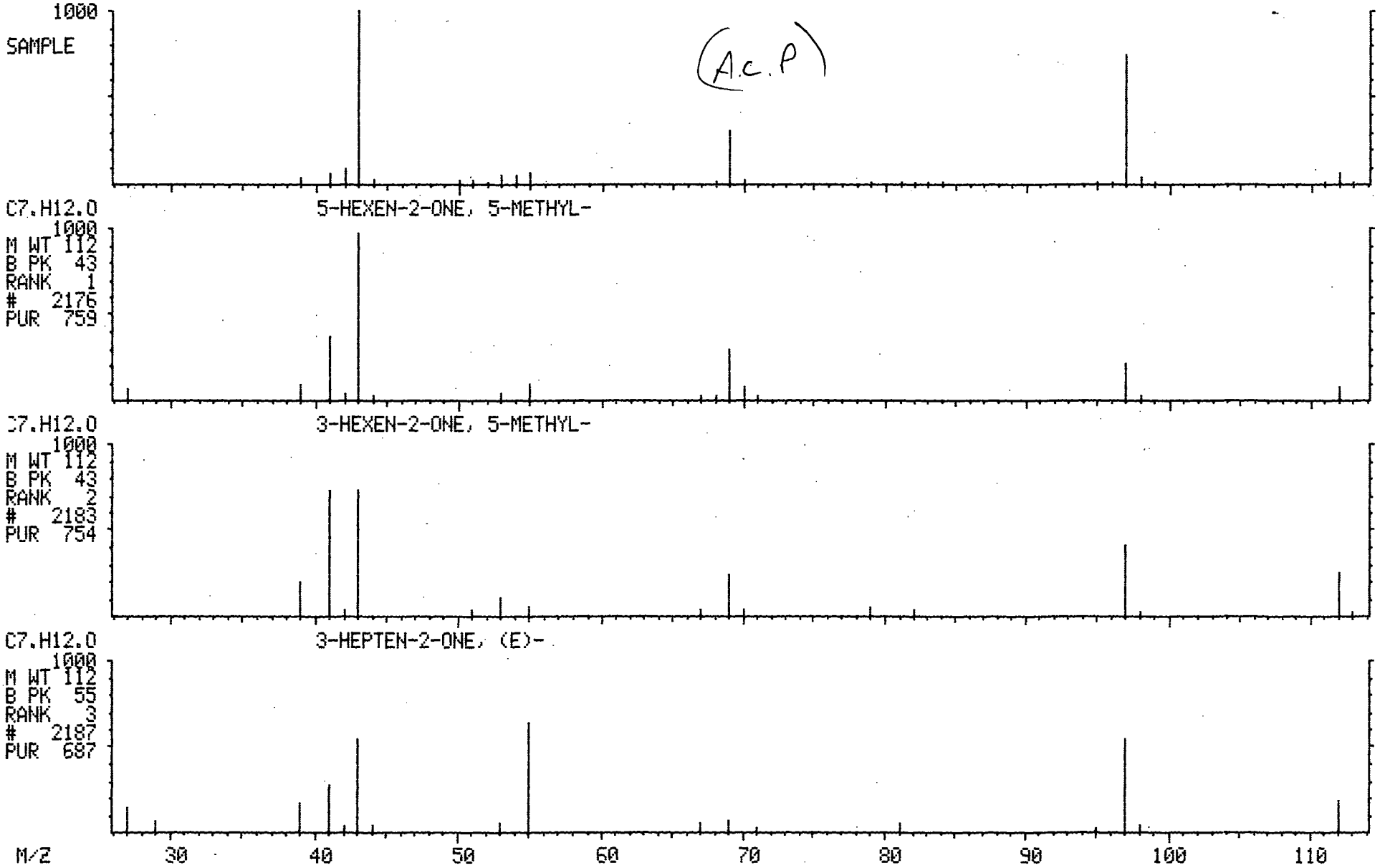
$\frac{198257}{344698}(c) = 940.$

MID LIBRARY SEARCH
06/16/91 0:07:00 + 9:32
SAMPLE: S8 91-13592
CONDS.: MS-B CASE: EOH0022
ENHANCED (S 15B 2N 0T)

DATA: AD33513592 # 593
CALI: AD33513592 # 2

BASE M/Z: 43
RIC: 37375.

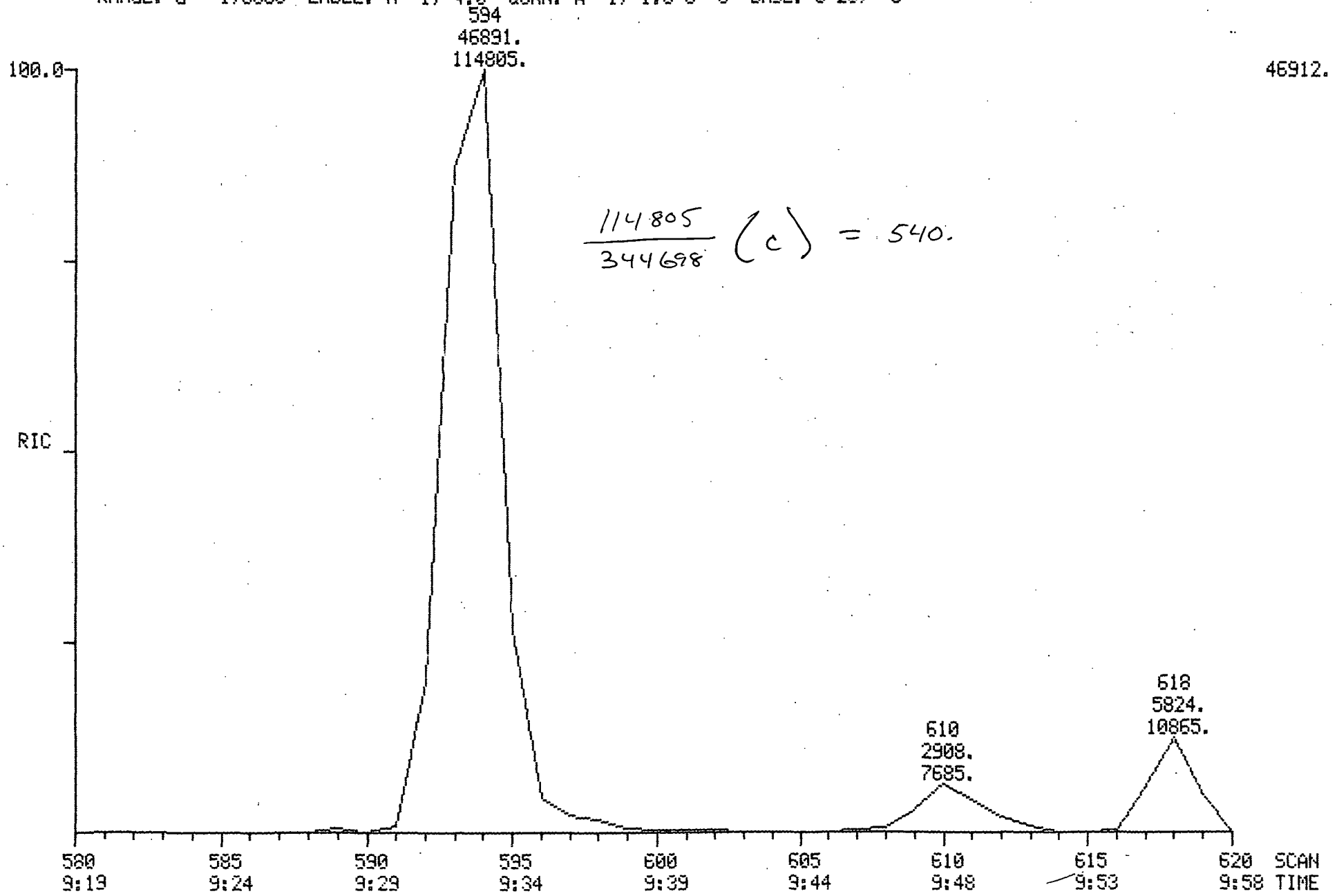
00769



MIDRIC
06/16/91 0:07:00
SAMPLE: S8 91-13592
CONDS.: MS-B CASE: EOH0022
RANGE: G 1,3000 LABEL: N 1, 4.0 QUAN: A 1, 1.0 J 0 BASE: U 20, 3

DATA: AD33513592 #1 SCANS 580 TO 620
CALI: AD33513592 #2

00768



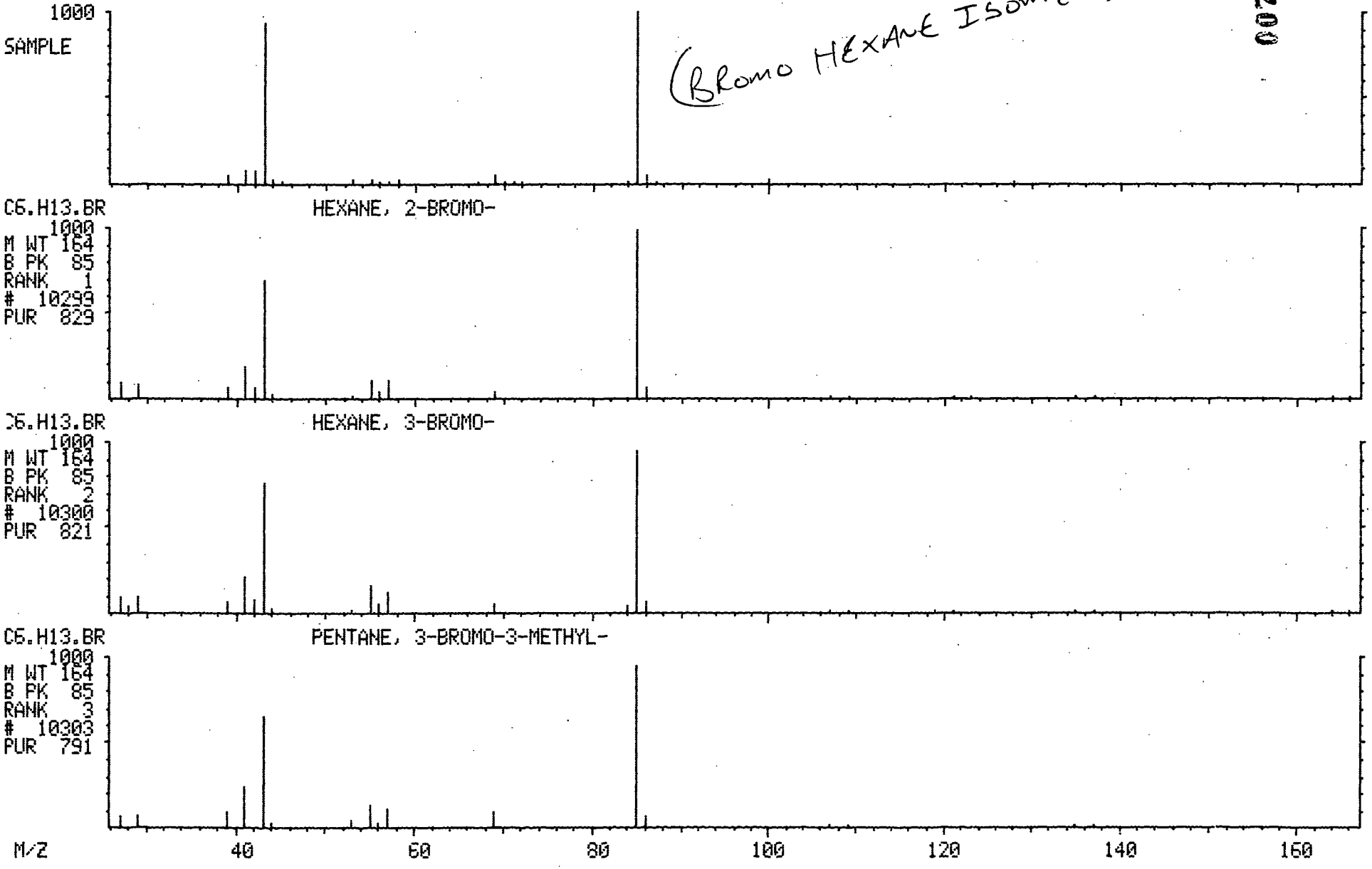
$\frac{114805}{344698}$ (c) = 540.

MID LIBRARY SEARCH
06/16/91 0:07:00 + 9:17
SAMPLE: S8 91-13592
CONDS.: MS-B CASE: EOH0022
ENHANCED (S 15B 2N 0T)

DATA: AD33513592 # 577 BASE M/Z: 85
CALI: AD33513592 # 2 RIC: 32447.

(BROMO HEXANE ISOMER)

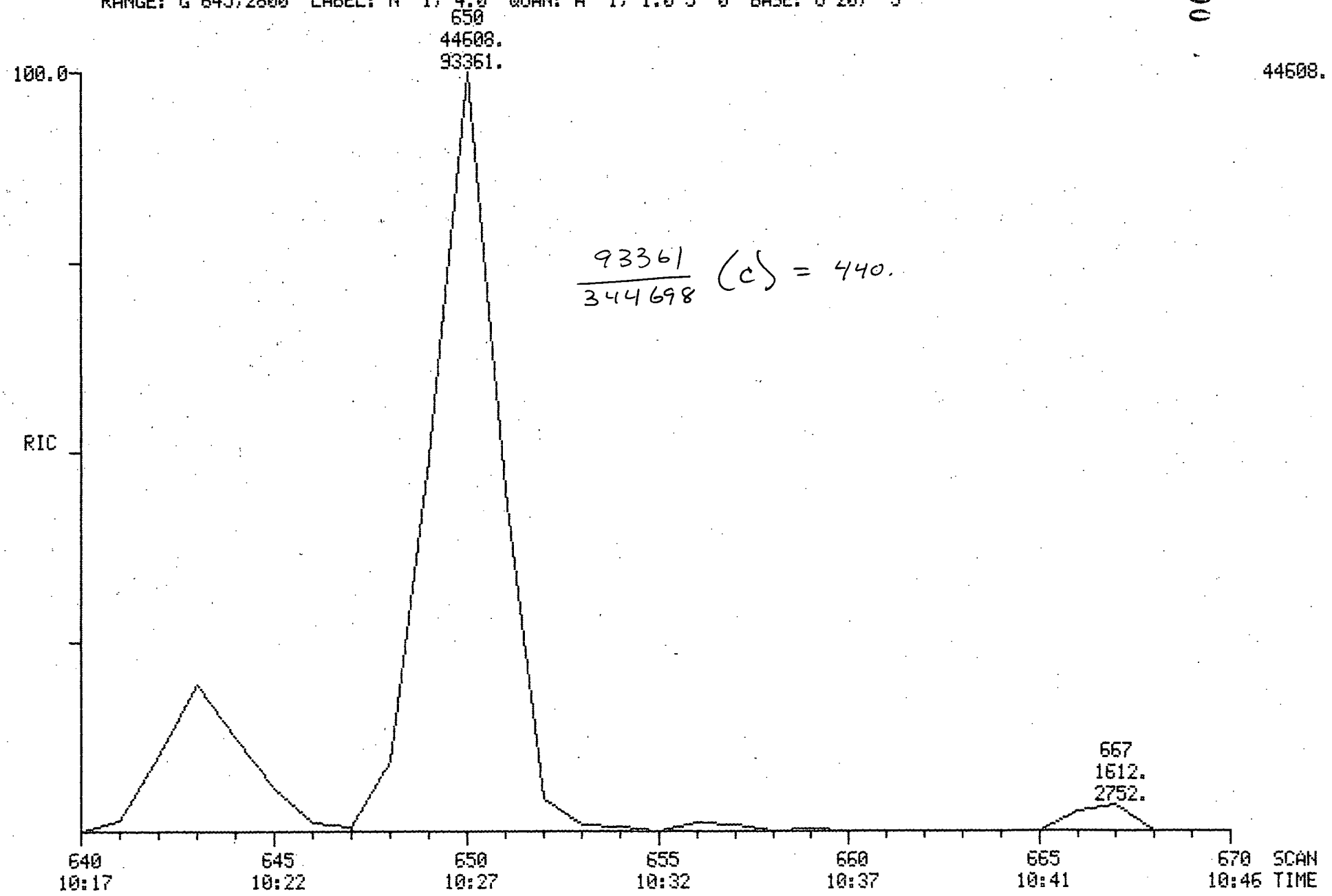
00757



MIDRIC
06/16/91 0:07:00
SAMPLE: S8 91-13592
CONDS.: MS-B CASE: EOH0022
RANGE: G 645,2800 LABEL: N 1, 4.0 QUAN: A 1, 1.0 J 0 BASE: U 20, 3

DATA: AD33513592 #1 SCANS 640 TO 670
CALI: AD33513592 #2

00770



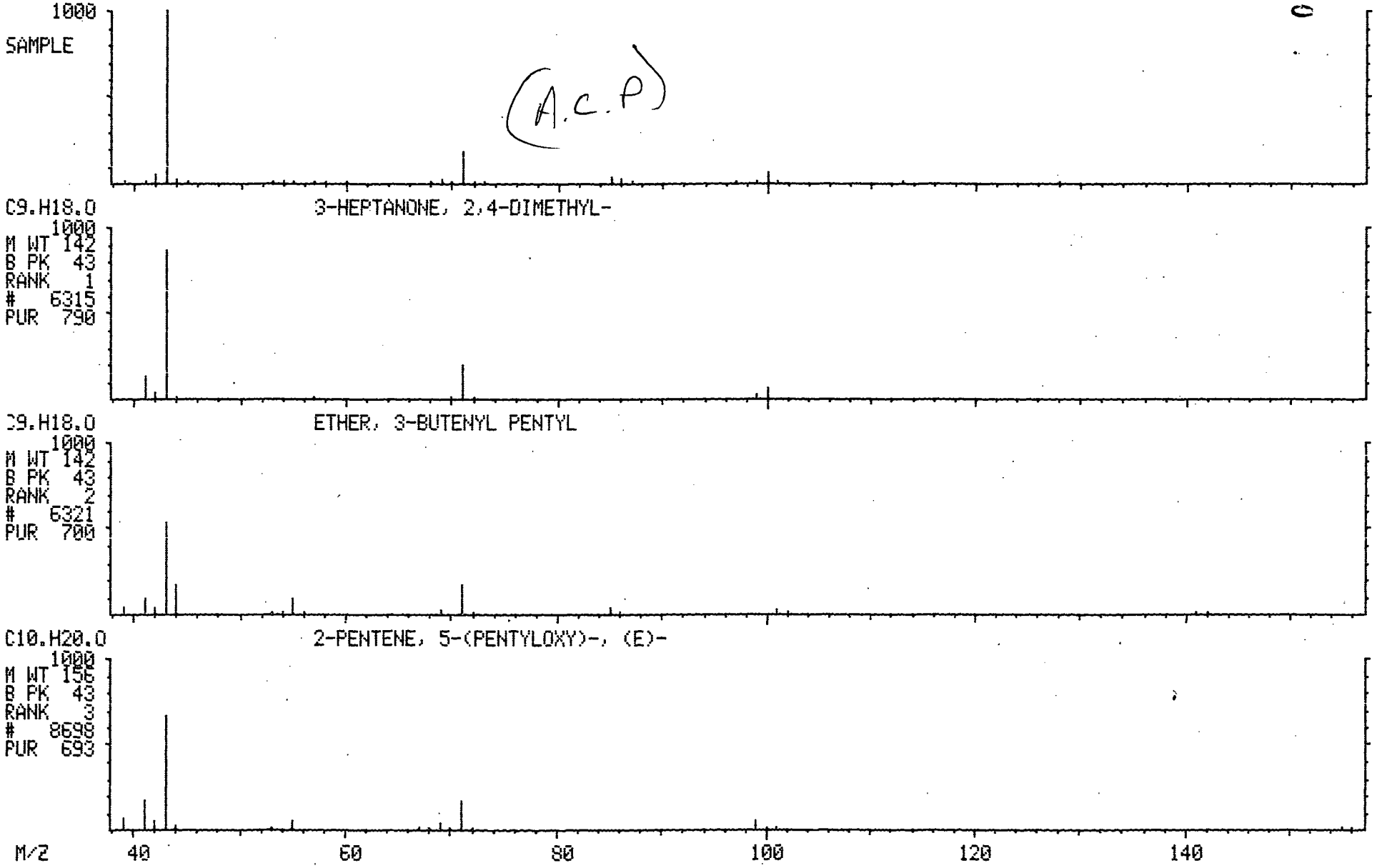
$\frac{93361}{344698}$ (c) = 440.

MID LIBRARY SEARCH
06/16/91 0:07:00 + 10:27
SAMPLE: S8 91-13592
CONDS.: MS-B CASE: EOH0022
ENHANCED (S 15B 2N 0T)

DATA: AD33513592 # 650
CALI: AD33513592 # 2

BASE M/Z: 43
RIC: 35327.

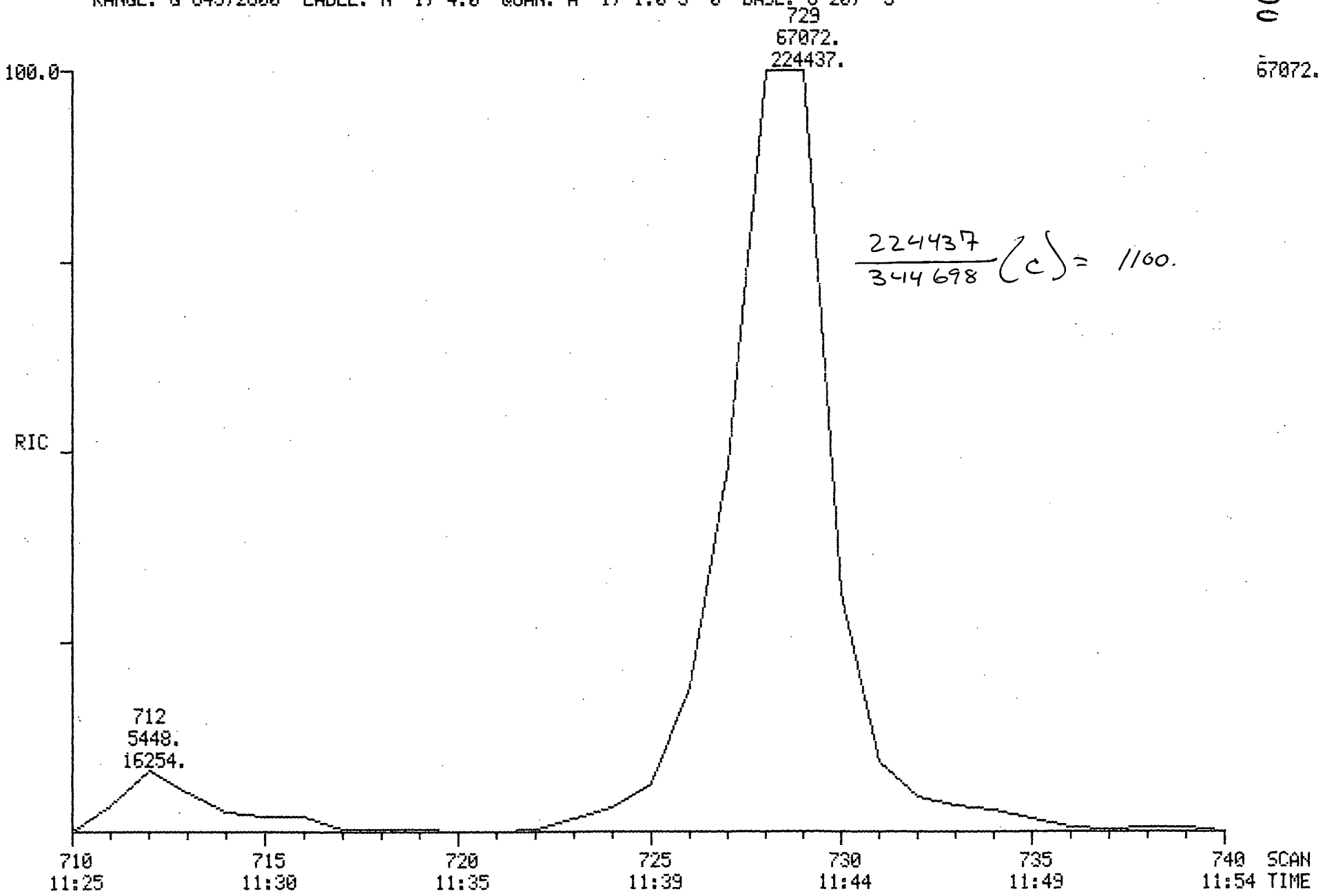
00771



MIDRIC
06/16/91 0:07:00
SAMPLE: S8 91-13592
CONDS.: MS-B CASE: EOH0022
RANGE: G 645,2800 LABEL: N 1, 4.0 QUAN: A 1, 1.0 J 0 BASE: U 20, 3

DATA: AD33513592 #1 SCANS 710 TO 740
CALI: AD33513592 #2

00722

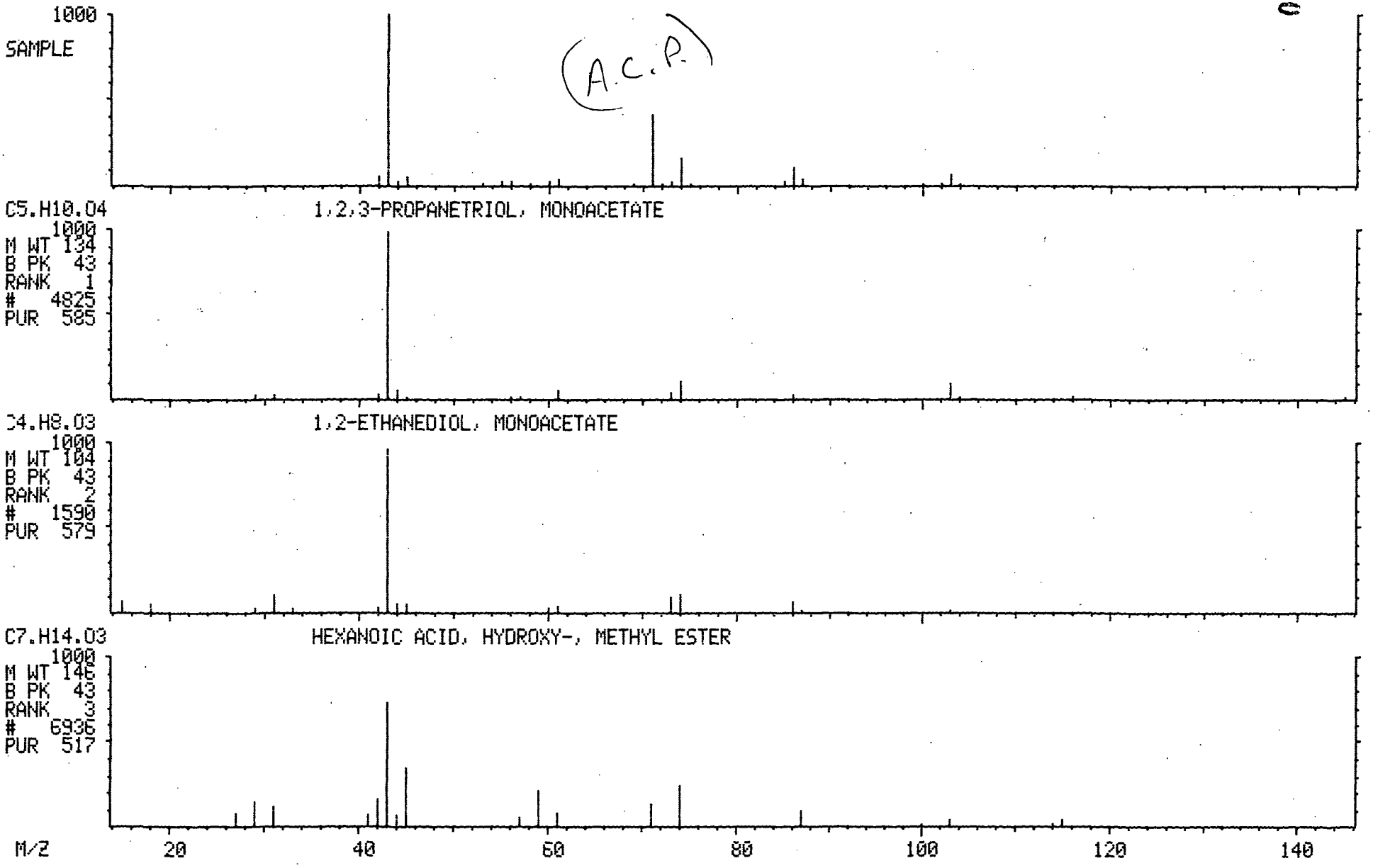


$\frac{224437}{344698}(c) = 1100.$

MID LIBRARY SEARCH
06/16/91 0:07:00 + 11:43
SAMPLE: S8 91-13592
CONDS.: MS-B CASE: EOH0022
ENHANCED (S 15B 2N 0T)

DATA: AD33513592 # 729 BASE M/Z: 43
CALI: AD33513592 # 2 RIC: 57471.

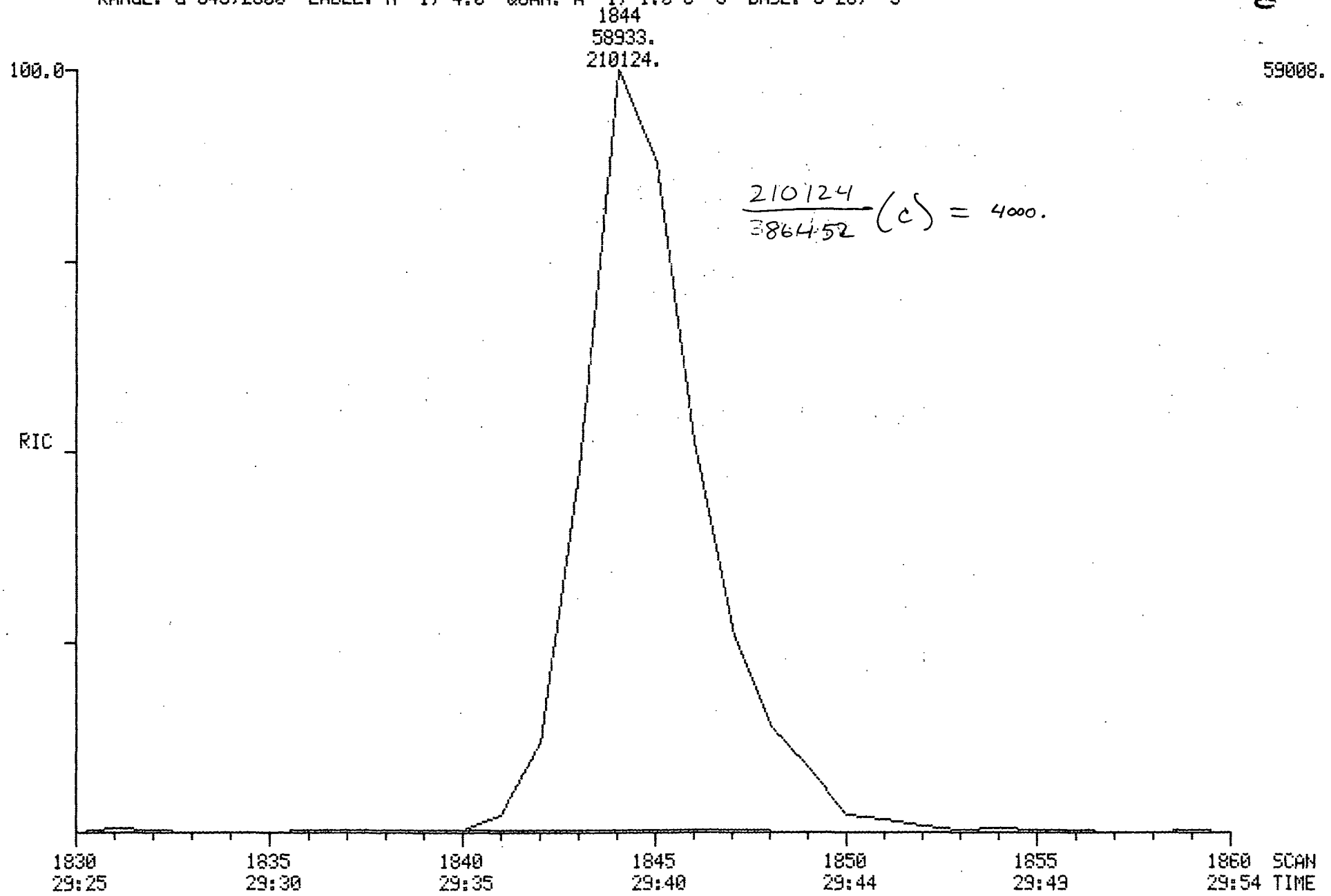
00773



MIDRIC
06/16/91 0:07:00
SAMPLE: S8 91-13592
CONDS.: MS-B CASE: EOH0022
RANGE: G 645,2800 LABEL: N 1, 4.0 QUAN: A 1, 1.0 J 0 BASE: U 20, 3

DATA: AD33513592 #1 SCANS 1830 TO 1860
CALI: AD33513592 #2

00774



$\frac{210124}{3864.52}(c) = 4000.$

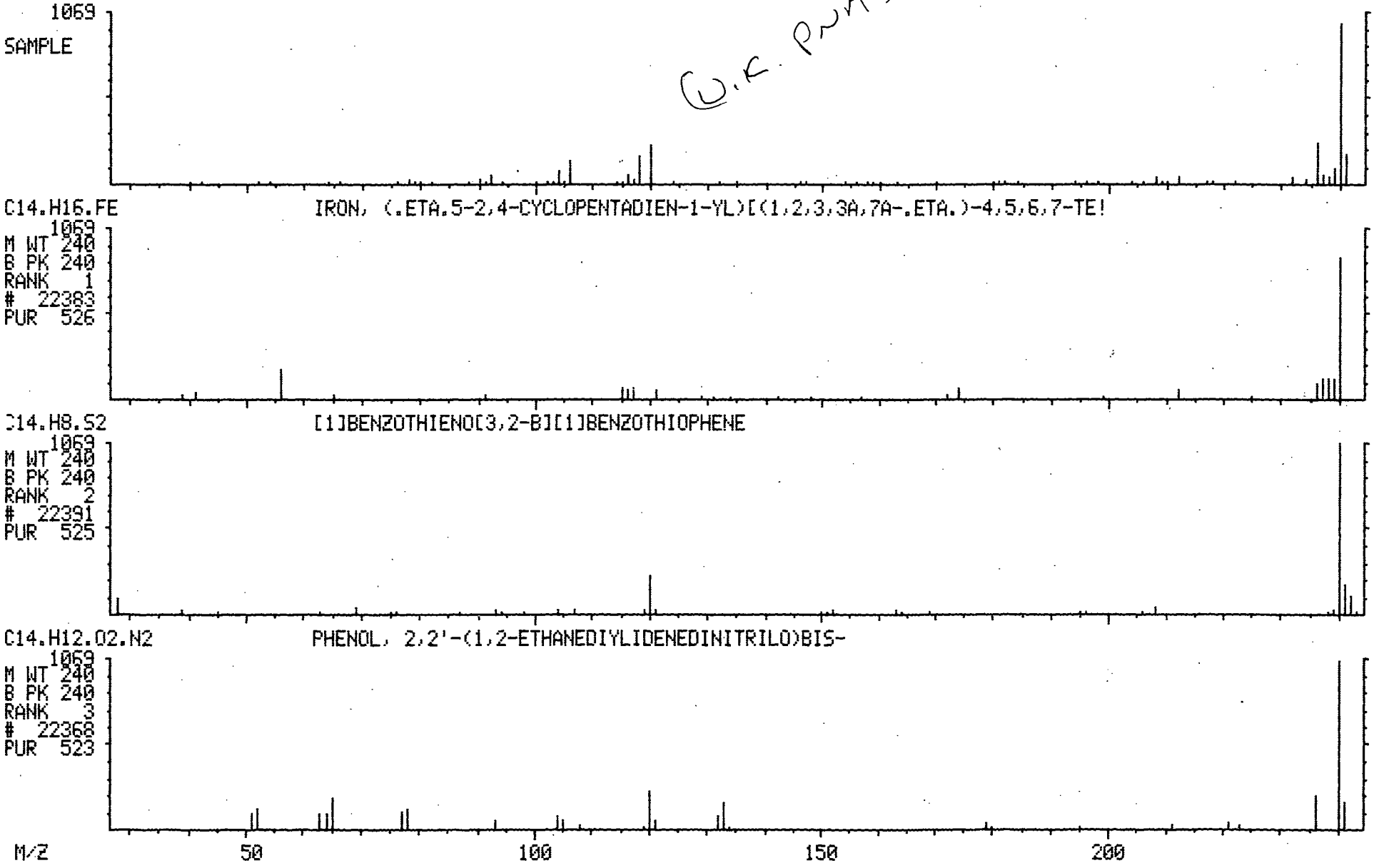
MID LIBRARY SEARCH
06/16/91 0:07:00 + 29:39
SAMPLE: S8 91-13592
CONDS.: MS-B CASE: EOH0022
ENHANCED (S 15B 2N 0T)

DATA: AD33513592 #1844
CALI: AD33513592 # 2

BASE M/Z: 240
RIC: 45503.

00775

(W.K. PNA)



1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S9

Lab Name: DATACHEM LABS Contract: 19005

Lab Code: DATAC Case No.: E0H002 SAS No.: _____ SDG No.: 13585

Matrix: (soil/water) SOIL Lab Sample ID: 91-13593

Sample wt/vol: 30 (g/mL) G Lab File ID: AD3S13593

Level: (low/med) LOW Date Received: 06/07/91

% Moisture: not dec. _____ dec. 23. Date Extracted: 06/14/91

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 06/15/91

GPC Cleanup: (Y/N) N pH: 5.0 Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	430.	U
111-44-4	bis(2-Chloroethyl)ether	430.	U
95-57-8	2-Chlorophenol	430.	U
541-73-1	1,3-Dichlorobenzene	430.	U
106-46-7	1,4-Dichlorobenzene	430.	U
100-51-6	Benzyl alcohol	430.	U
95-50-1	1,2-Dichlorobenzene	430.	U
95-48-7	2-Methylphenol	430.	U
108-60-1	bis(2-Chloroisopropyl)ether	430.	U
106-44-5	4-Methylphenol	430.	U
621-64-7	N-Nitroso-di-n-propylamine	430.	U
67-72-1	Hexachloroethane	430.	U
98-95-3	Nitrobenzene	430.	U
78-59-1	Isophorone	430.	U
88-75-5	2-Nitrophenol	430.	U
105-67-9	2,4-Dimethylphenol	430.	U
65-85-0	Benzoic acid	2100	U
111-91-1	bis(2-Chloroethoxy)methane	430.	U
120-83-2	2,4-Dichlorophenol	430.	U
120-82-1	1,2,4-Trichlorobenzene	430.	U
91-20-3	Naphthalene	430.	U
106-47-8	4-Chloroaniline	430.	U
87-68-3	Hexachlorobutadiene	430.	U
59-50-7	4-Chloro-3-methylphenol	430.	U
91-57-6	2-Methylnaphthalene	430.	U
77-47-4	Hexachlorocyclopentadiene	430.	U
88-06-2	2,4,6-Trichlorophenol	430.	U
95-95-4	2,4,5-Trichlorophenol	2100.	U
91-58-7	2-Chloronaphthalene	430.	U
88-74-4	2-Nitroaniline	2100.	U
131-11-3	Dimethylphthalate	430.	U
208-96-8	Acenaphthylene	430.	U
606-20-2	2,6-Dinitrotoluene	430.	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S9

Lab Name: DATACHEM LABS Contract: 19005

Lab Code: DATAC Case No.: EOH0022 SAS No.: _____ SDG No.: 13585

Matrix: (soil/water) SOIL Lab Sample ID: 91-13593

Sample wt/vol: 30 (g/mL) G Lab File ID: AD31S13593

Level: (low/med) LOW Date Received: 06/07/91

% Moisture: not dec. _____ dec. 23 Date Extracted: 06/14/91

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 06/15/91

GPC Cleanup: (Y/N) N pH: 5.0 Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
99-09-2	3-Nitroaniline	2100.	u
83-32-9	Acenaphthene	430.	u
51-28-5	2,4-Dinitrophenol	2100.	u
100-02-7	4-Nitrophenol	2100.	u
132-64-9	Dibenzofuran	430.	u
121-14-2	2,4-Dinitrotoluene	430.	u
84-66-2	Diethylphthalate	430.	u
7005-72-3	4-Chlorophenyl-phenylether	430.	u
86-73-7	Fluorene	430.	u
100-01-6	4-Nitroaniline	2100.	u
534-52-1	4,6-Dinitro-2-methylphenol	2100.	u
86-30-6	N-Nitrosodiphenylamine (1)	430.	u
101-55-3	4-Bromophenyl-phenylether	430.	u
118-74-1	Hexachlorobenzene	430.	u
87-86-5	Pentachlorophenol	2100.	u
85-01-8	Phenanthrene	170.	J
120-12-7	Anthracene	430.	u
84-74-2	Di-n-butylphthalate	430.	u
206-44-0	Fluoranthene	370.	J
129-00-0	Pyrene	320.	J
85-68-7	Butylbenzylphthalate	430.	u
91-94-1	3,3'-Dichlorobenzidine	860.	u
56-55-3	Benzo(a)anthracene	170.	J
218-01-9	Chrysene	190.	J
117-81-7	bis(2-Ethylhexyl)phthalate	570.	
117-84-0	Di-n-octylphthalate	430.	u
205-99-2	Benzo(b)fluoranthene	430.	u
207-08-9	Benzo(k)fluoranthene	430.	u
50-32-8	Benzo(a)pyrene	430.	u
193-39-5	Indeno(1,2,3-cd)pyrene	430.	u
53-70-3	Dibenz(a,h)anthracene	430.	u
191-24-2	Benzo(g,h,i)perylene	430.	u

(1) - Cannot be separated from Diphenylamine

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

S9

Lab Name: DATAchem LABS Contract: 19005

Lab Code: DATAC Case No.: E0H0022 SAS No.: _____ SDG No.: 13585

Matrix: (soil/water) soil Lab Sample ID: 91-13593

Sample wt/vol: 30 (g/mL) G Lab File ID: AD31513593

Level: (low/med) low Date Received: 06/07/91

% Moisture: not dec. _____ dec. 23 Date Extracted: 06/14/91

Extraction: (SepF/Cont/Sonc) sonic Date Analyzed: 06/15/91

GPC Cleanup: (Y/N) ___ pH: 5.0 Dilution Factor: 1.0

Number TICs found: 9

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.		ALDOL CONDENSATION PRODUCT	6:43	6200.	AJB
2.		ALDOL CONDENSATION PRODUCT	7:30	39000.	AJB
3.		ALDOL CONDENSATION PRODUCT	8:58	1200.	AJB
4.		BROMO, HEXANE ISOMER	9:19	1300.	J
5.		ALDOL CONDENSATION PRODUCT	9:36	440.	AJ
6.		ALDOL CONDENSATION PRODUCT	10:30	640.	AJ
7.		ALDOL CONDENSATION PRODUCT	11:45	1000.	AJ
8.		TRICHLORO BIPHENYL ISOMER	23:41	1400.	J
9.		UNKNOWN PNA	29:42	4900.	J
10.					
11.					
12.					
13.					
14.					
15.					
16.					
17.					
18.					
19.					
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21.					
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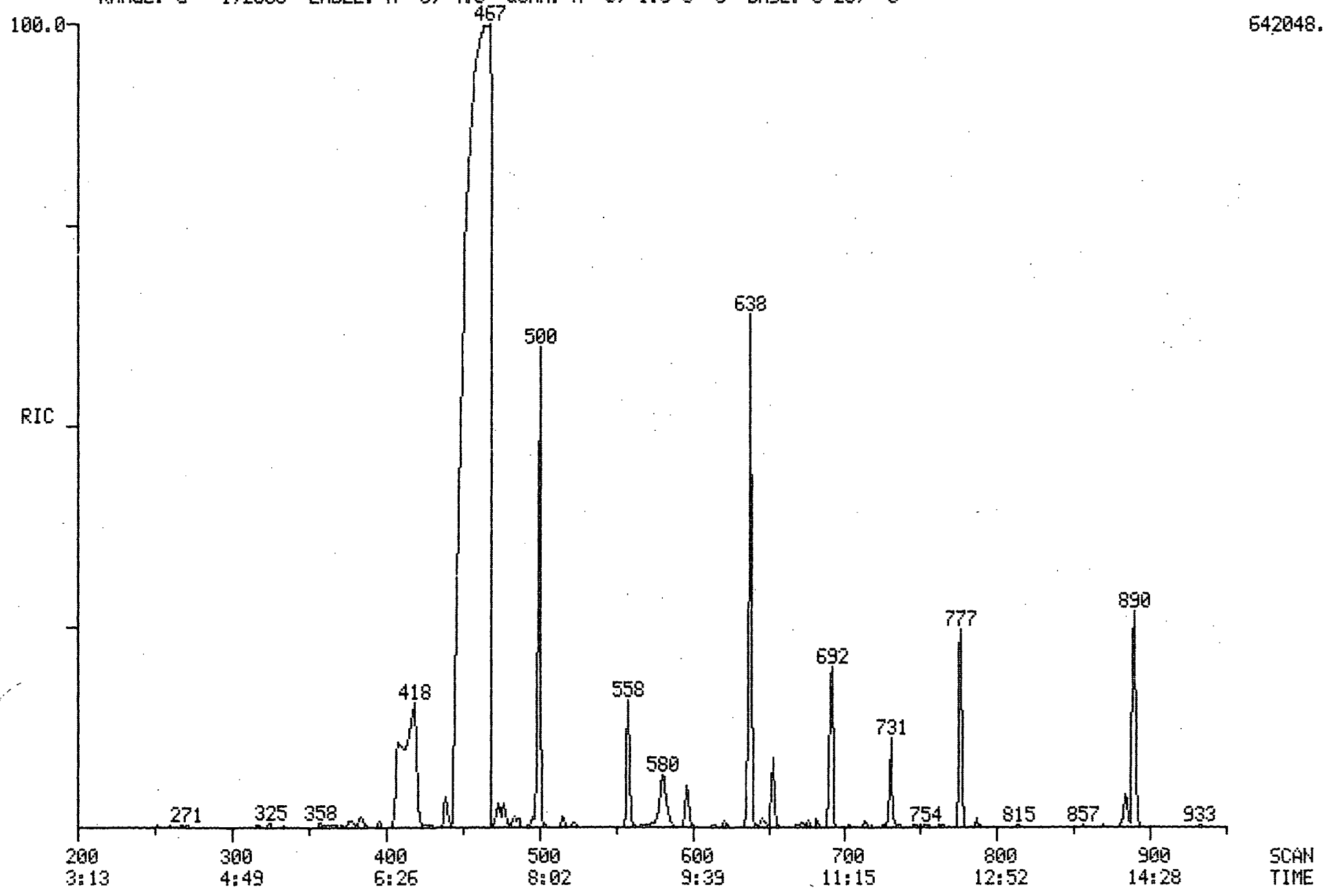
26.					
27.					
28.					
29.					
30.					

MIDRIC
06/15/91 22:18:00
SAMPLE: S9 91-13593
CONDS.: MS-B CASE: EOH0022
RANGE: G 1,2800 LABEL: N 0, 4.0 QUAN: A 0, 1.0 J 0 BASE: U 20, 3

DATA: AD31513593 #1 SCANS 200 TO 950
CALI: AD31513593 #2

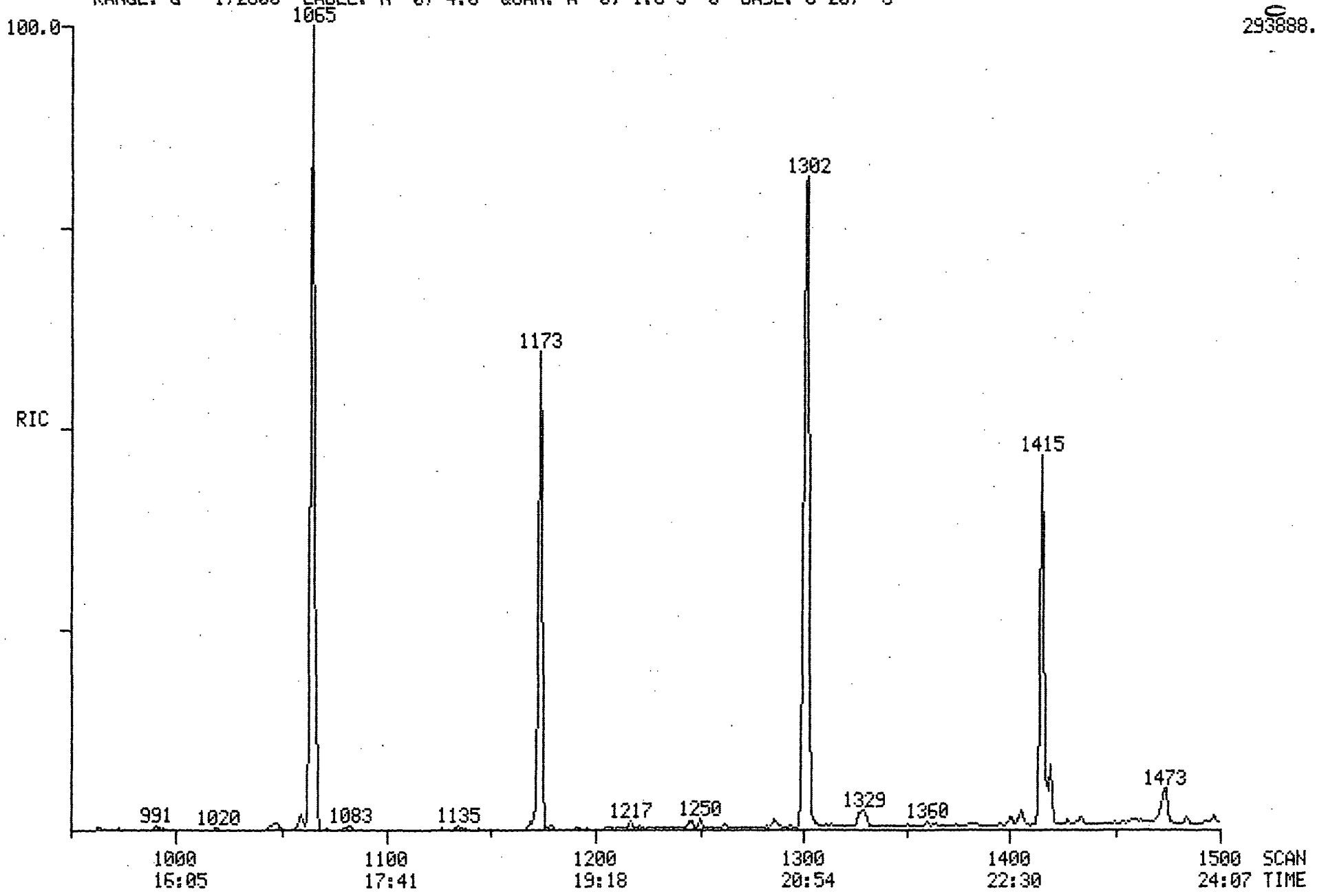
T.J. Masocai
6-17-91

00779



MIDRIC
06/15/91 22:18:00
SAMPLE: S9 91-13593
CONDS.: MS-B CASE: EOH0022
RANGE: G 1,2800 LABEL: N 0, 4.0 QUAN: A 0, 1.0 J 0 BASE: U 20, 3

DATA: AD31S13593 #1 SCANS 950 TO 1500
CALI: AD31S13593 #2

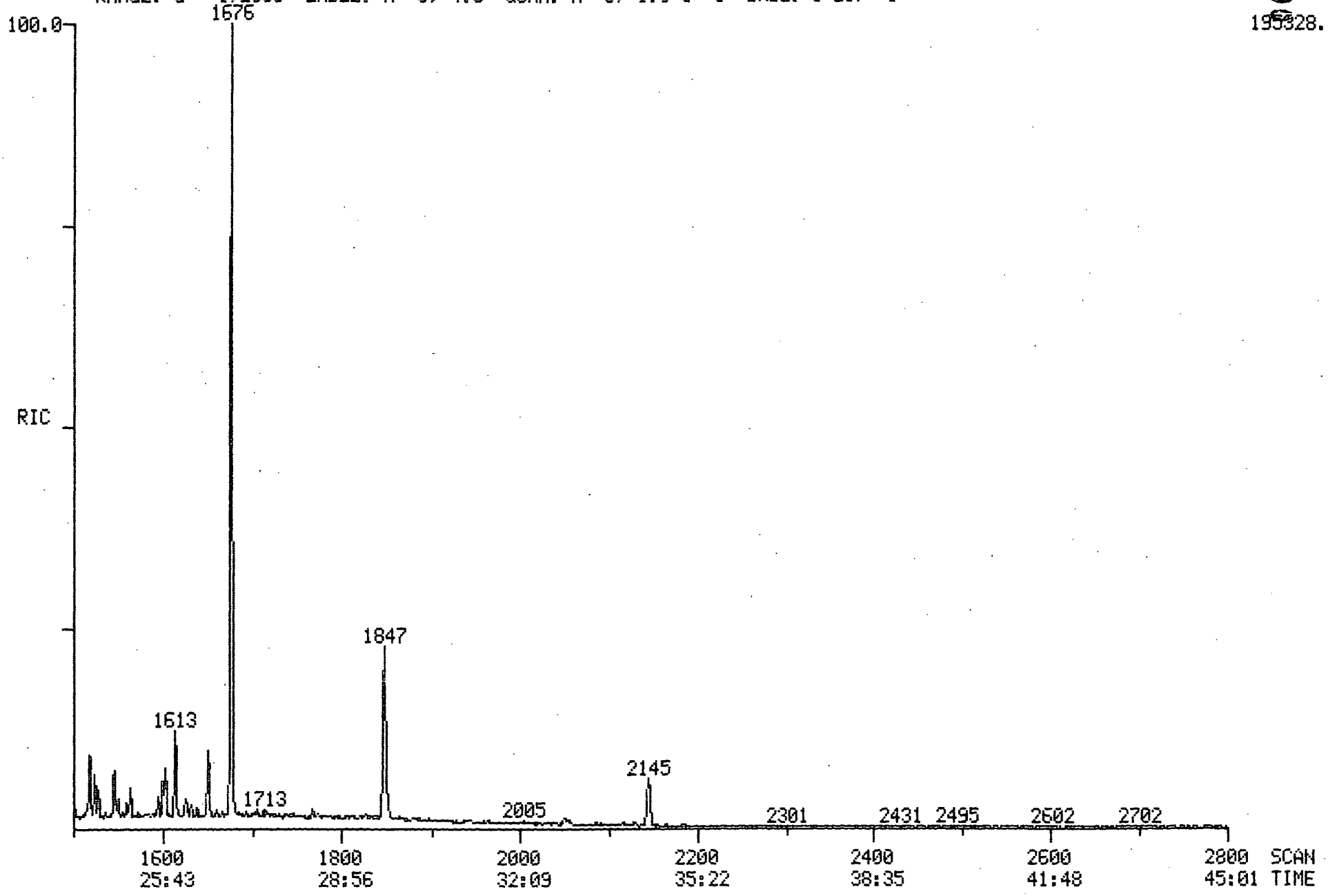


00730
293888.

MIDRIC
06/15/91 22:18:00
SAMPLE: S9 91-13593
CONDS.: MS-B CASE: EOH0022
RANGE: G 1,2800 LABEL: N 0, 4.0 QUAN: A 0, 1.0 J 0 BASE: U 20, 3

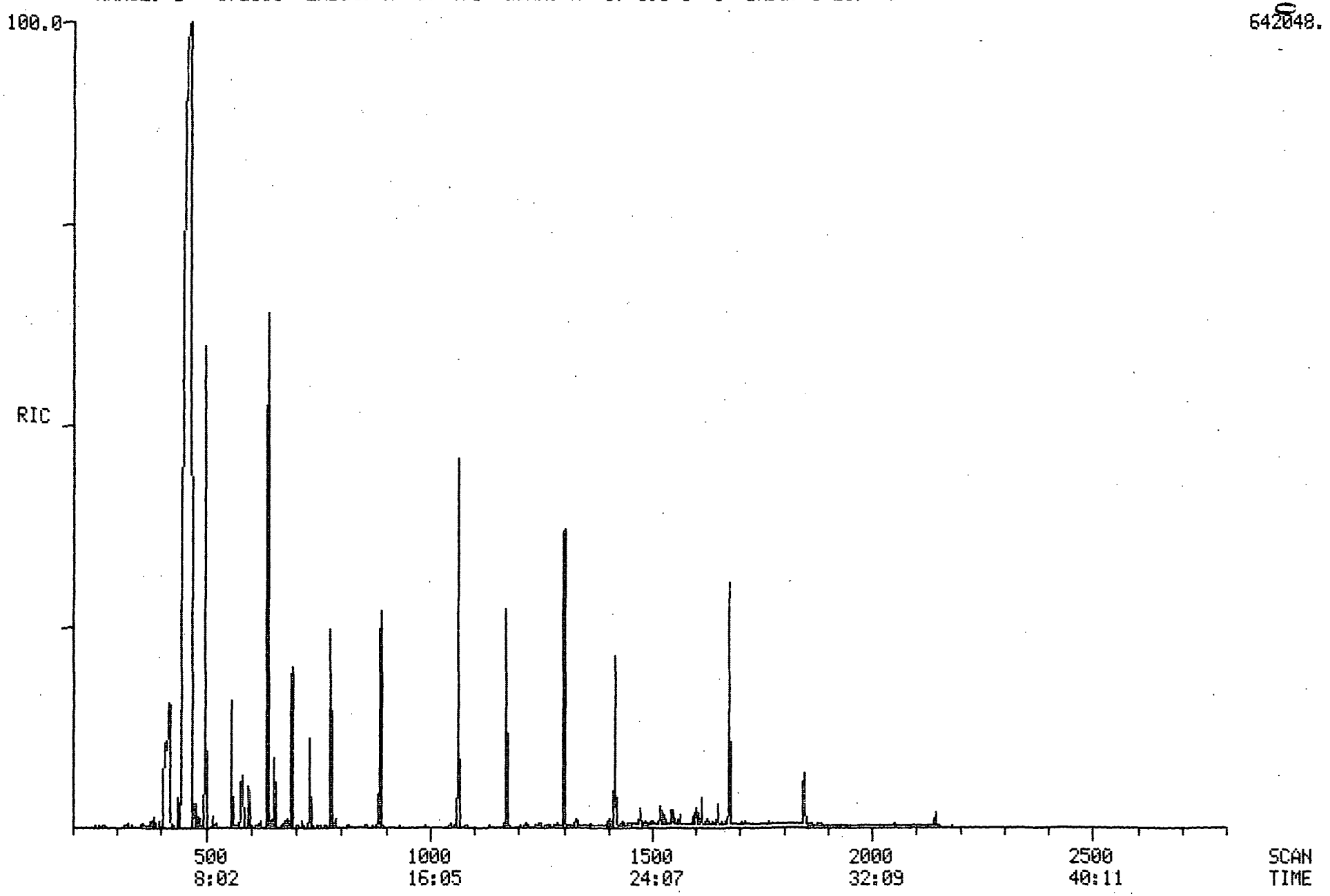
DATA: AD31513593 #1 SCANS 1500 TO 2800
CALI: AD31513593 #2

00731



MIDRIC
06/15/91 22:18:00
SAMPLE: S9 91-13593
CONDS.: MS-B CASE: EDH0022
RANGE: G 1,2800 LABEL: N 0, 4.0 QUAN: A 0, 1.0 J 0 BASE: U 20, 3

DATA: AD31513593 #1 SCANS 200 TO 2800
CALI: AD31513593 #2



00782

PROCEDURE: TCA DIAGNOSTIC REPORT 6/17/91 0:31:51
DATA FILE: AD31S13593
REFERENCE: 82711
NAME LIST: 8270 INITIALIZATION OPTION: 4 PROCESSING OPTION: 3
REPORT: DSISTD

< ---- STANDARDS ----- ><				--- PLUS UNKNOWNS --- ><				- LIST NAMES - >
PROC	USED	POSS	RMS	PROC	USED	POSS	RMS	STANDARD/UNKNOWN
6	4	1	70	12	12	1	127	DSISTD/DSSURR
6	6	1	56	21	6	1	56	DSISTD/82701
6	6	1	56	21	6	1	56	DSISTD/82702
6	6	1	56	21	6	1	56	DSISTD/82703
6	6	1	56	21	6	1	56	DSISTD/82704
6	6	1	56	21	10	1	316	DSISTD/82705
6	6	1	56	21	8	2	55	DSISTD/82706

102 COMPOUNDS PROCESSED, 16 FOUND

< COMPOUND ><			---------- SEARCH ---------- >< SAT ><							------ CHRO ------			
NO	LIB	ENTRY	REF	PRED	SEL	DELTA	PEAKS	FIT	PEAKS	M/Z	TOP	DELTA	PEAKS
1	DS	1	-683	691	692	1	1	968	.	152	691	-1	1
2	DS	2	-882	890	.	.	.	.	.	136	890	.	1
3	DS	3	-1165	1173	1173	.	1	946	.	164	1173	.	1
4	DS	4	-1407	1416	1415	-1	1	988	.	188	1415	.	1
5	DS	5	-1839	1848	.	.	.	.	.	240	1847	.	1
6	DS	6	-2136	2145	2145	.	1	905	.	264	2145	.	1
7	DS	7	-488	497	500	3	1	976	-1	112	500	.	1
8	DS	8	-630	639	638	-1	1	959	-1	99	638	.	1
9	DS	9	-769	778	777	-1	1	976	.	82	777	.	1
10	DS	10	-1057	1066	1065	-1	1	981	.	172	1065	.	1
11	DS	11	-1294	1302	1301	-1	1	967	.	330	1301	.	1
12	DS	12	-1668	1676	1676	.	1	994	.	244	1676	.	1
13	DS	13	-263	271	.	.	.	.	.	42	.	.	.
14	DS	14	-393	401	.	.	.	.	.	93	.	.	.
15	DS	15	-462	470	.	.	.	.	.	80	.	.	.
16	DS	16	-569	577	.	.	.	.	.	79	.	.	.
17	DS	17	-632	640	.	.	.	.	.	94	639	.	1
18	DS	18	-634	642	.	.	.	.	.	93	.	.	.
19	DS	19	-646	654	.	.	.	.	.	93	.	.	.
20	DS	20	-651	659	.	.	.	.	.	128	659	.	1
21	DS	21	-674	682	.	.	.	.	.	146	.	.	.
22	DS	22	-686	694	.	.	.	.	.	146	.	.	.
23	DS	23	-706	714	.	.	.	.	.	108	.	.	.
24	DS	24	-708	716	.	.	.	.	.	146	.	.	.
25	DS	25	-723	731	.	.	.	.	.	108	.	.	.
26	DS	26	-727	735	.	.	.	.	.	45	.	.	.
27	DS	27	-723	731	.	.	.	.	.	108	.	.	.
28	DS	28	-749	757	.	.	.	.	.	70	756	.	1
29	DS	29	-761	769	.	.	.	.	.	117	.	.	.
30	DS	30	-747	755	.	.	.	.	.	105	.	.	.
31	DS	31	-773	781	.	.	.	.	.	77	.	.	.
32	DS	32	-797	805	.	.	.	.	.	42	.	.	.
33	DS	33	-811	819	.	.	.	.	.	82	.	.	.
34	DS	34	-822	830	.	.	.	.	.	139	.	.	.
35	DS	35	-830	838	.	.	.	.	.	122	.	.	.
36	DS	36	-846	854	.	.	.	.	.	93	.	.	.
37	DS	39	-860	868	.	.	.	.	.	162	.	.	.
38	DS	40	-873	881	.	.	.	.	.	180	.	.	.
39	DS	41	-885	893	.	.	.	.	.	128	893	.	1
40	DS	42	-895	903	.	.	.	.	.	127	.	.	.
41	DS	43	-896	904	.	.	.	.	.	162	.	.	.
42	DS	44	-906	914	.	.	.	.	.	225	.	.	.
43	DS	45	-951	959						84			

00783

44	DS	46	-973	981	.	.	.	.	.	107	.	.	.	.
45	DS	47	-997	1005	.	.	.	.	.	142	1004	.	.	1
46	DS	48	-1024	1032	.	.	.	.	.	216	.	.	.	.
47	DS	49	-1022	1030	.	.	.	.	.	237	.	.	.	.
48	DS	50	-1042	1050	.	.	.	.	.	196	.	.	.	.
49	DS	51	-1048	1056	.	.	.	.	.	196	.	.	.	.
50	DS	52	-1076	1084	.	.	.	.	.	162	.	.	.	.
51	DS	53	-1076	1084	.	.	.	.	.	162	.	.	.	.
52	DS	54	-1093	1101	.	.	.	.	.	65	.	.	.	.
53	DS	55	-1124	1132	.	.	.	.	.	163	.	.	.	.
54	DS	56	-1133	1141	.	.	.	.	.	165	.	.	.	.
55	DS	57	-1142	1150	.	.	.	.	.	152	.	.	.	.
56	DS	58	-1160	1168	.	.	.	.	.	138	.	.	.	.
57	DS	59	-1171	1179	.	.	.	.	.	154	1178	.	.	1
58	DS	60	-1177	1185	.	.	.	.	.	184	.	.	.	.
59	DS	61	-1187	1195	.	.	.	.	.	139	.	.	.	.
60	DS	62	-1199	1207	.	.	.	.	.	168	1207	.	.	1
61	DS	63	-1199	1207	.	.	.	.	.	165	.	.	.	.
62	DS	64	-1192	1200	.	.	.	.	.	250	.	.	.	.
63	DS	65	-1212	1220	.	.	.	.	.	143	.	.	.	.
64	DS	66	-1219	1227	.	.	.	.	.	232	.	.	.	.
65	DS	67	-1225	1233	.	.	.	.	.	143	.	.	.	.
66	DS	68	-1239	1247	.	.	.	.	.	149	1245	.	.	1
67	DS	69	-1256	1264	.	.	.	.	.	204	.	.	.	.
68	DS	70	-1255	1263	.	.	.	.	.	166	1262	.	.	1
69	DS	71	-1259	1267	.	.	.	.	.	138	.	.	.	.
70	DS	72	-1264	1272	.	.	.	.	.	198	.	.	.	.
71	DS	73	-1276	1284	.	.	.	.	.	169	.	.	.	.
72	DS	74	-1282	1290	.	.	.	.	.	77	.	.	.	.
73	DS	75	-1335	1342	.	.	.	.	.	248	.	.	.	.
74	DS	76	-1327	1334	.	.	.	.	.	108	.	.	.	.
75	DS	78	-1344	1351	.	.	.	.	.	284	.	.	.	.
76	DS	79	-1378	1385	.	.	.	.	.	169	.	.	.	.
77	DS	81	-1376	1383	.	.	.	.	.	266	.	.	.	.
78	DS	83	-1388	1395	.	.	.	.	.	173	.	.	.	.
79	DS	84	-1379	1386	.	.	.	.	.	295	.	.	.	.
80	DS	85	-1412	1419	1419	.	1	971	.	178	1419	.	.	1
81	DS	86	-1420	1427	1419	-8	1	902	.	178	1419	.	.	1
82	DS	89	-1504	1511	.	.	.	.	.	149	1512	.	.	1
83	DS	92	-1605	1612	1613	1	1	981	.	202	1613	.	.	1
84	DS	93	-1642	1649	1650	1	1	978	.	202	1650	.	.	1
85	DS	96	-1627	1634	.	.	.	.	.	184	.	.	.	.
86	DS	98	-1691	1698	.	.	.	.	.	120	.	.	.	.
87	DS	103	-1748	1755	.	.	.	.	.	149	1756	.	.	1
88	DS	108	-1833	1841	.	.	.	.	.	252	.	.	.	.
89	DS	109	-1837	1845	1845	.	2	921	.	228	1845	.	.	1
90	DS	110	-1843	1851	.	.	.	.	.	228	1851	.	.	1
91	DS	111	-1840	1848	1848	.	1	956	.	149	1849	.	1	1
92	DS	112	-1955	1963	.	.	.	.	.	149	.	.	.	.
93	DS	113	-2041	2049	.	.	.	.	.	256	.	.	.	.
94	DS	114	-2042	2050	.	.	.	.	.	252	2050	.	.	1
95	DS	115	-2049	2057	.	.	.	.	.	252	.	.	.	.
96	DS	116	-2122	2130	.	.	.	.	.	252	2129	.	.	1
97	DS	117	-2221	2229	.	.	.	.	.	268	.	.	.	.
98	DS	118	-2499	2508	.	.	.	.	.	276	.	.	.	.
99	DS	119	-2500	2509	.	.	.	.	.	278	.	.	.	.
100	DS	120	-2598	2607	.	.	.	.	.	276	.	.	.	.
101	DS	128	-2421	2429	.	.	.	.	.	279	.	.	.	.
102	DS	37	-847	855	.	.	.	.	.	122	857	.	.	1

Quantitation Report File: AD31S13593

Data: AD31S13593.TI
06/15/91 22:18:00
Sample: S9 91-13593
Conds.: MS-B CASE: EOH0022
Submitted by: Analyst: JOHNSON

AMOUNT=AREA * REF AMNT/(REF AREA * RESP FACT)
Resp. fac. from Library Entry

No	Name
1	ISTD D4-1,4-DICHLOROBENZENE
2	ISTD D-8-NAPHTHALENE
3	ISTD ACENAPHTHENE-D10
4	INTERNAL STANDARD D-10-PHENANTHRENE
5	INTERNAL STANDARD D-12-CHRYSENE
6	ISTD D-12 PERYLENE
7	SURROGATE 2-FLUOROPHENOL
8	SURROGATE D-6-PHENOL
9	SURROGATE D5-NITROBENZENE
10	SURROGATE 2-FLUOROBIPHENYL
11	SURROGATE STANDARD 2,4,6-TRIBROMOPHENOL
12	SURROGATE STANDARD P-TERPHENYL D-14
13	N-NITROSODIMETHYLAMINE
14	2-PICOLINE
15	METHYL METHANESULFONATE
16	ETHYL METHANESULFONATE
17	C315 PHENOL
18	ANILINE
19	BIS(2-CHLOROETHYL)ETHER
20	2-CHLOROPHENOL
21	1,3-DICHLOROBENZENE
22	1,4-DICHLOROBENZENE
23	BENZYL ALCOHOL
24	1,2-DICHLOROBENZENE
25	2-METHYLPHENOL
26	BIS(2-CHLOROISOPROPYL)ETHER
27	4-METHYLPHENOL
28	N-NITROSO-DI-N-PROPYLAMINE
29	HEXACHLOROETHANE
30	ACETOPHENONE
31	NITROBENZENE
32	N-NITROSOPIPERIDINE
33	ISOPHORONE
34	2-NITROPHENOL
35	2,4-DIMETHYLPHENOL
36	BIS(2-CHLOROETHOXY)METHANE
37	2,4-DICHLOROPHENOL
38	1,2,4-TRICHLOROBENZENE
39	NAPHTHALENE
40	4-CHLOROANILINE
41	2,6-DICHLOROPHENOL
42	HEXACHLOROBUTADIENE
43	N-NITROSO-DI-N-BUTYLAMINE
44	4-CHLORO-3-METHYLPHENOL
45	2-METHYL NAPHTHALENE
46	1,2,4,5-TETRACHLOROBENZENE
47	HEXACHLOROCYCLOPENTADIENE
48	2,4,6-TRICHLOROPHENOL
49	2,4,5-TRICHLOROPHENOL
50	2-CHLORONAPHTHALENE

00785

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount	%Tot
1	152	691	11:07	1	1.000	A BB	39014.	40.000 UG	0.99

2	136	890	14:18	2	1.000	A	BB	151749.	40.000	UG	0.99
3	164	1173	18:51	3	1.000	A	BB	79972.	40.000	UG	0.99
4	188	1415	22:45	4	1.000	A	BB	101367.	40.000	UG	0.99
5	240	1847	29:42	5	1.000	A	BB	30428.	40.000	UG	0.99
6	264	2145	34:29	6	1.000	A	BB	18015.	40.000	UG	0.99
7	112	500	8:02	1	0.724	A	BB	200892.	127.149	UG	3.14 4
8	99	638	10:15	1	0.923	A	BV	303397.	126.519	UG	3.12 5
9	82	777	12:29	2	0.873	A	BB	126919.	58.033	UG	1.43 1
10	172	1065	17:07	3	0.908	A	BB	173030.	69.957	UG	1.73 2
11	330	1301	20:55	3	1.109	A	BB	49093.	197.825	UG	4.88 6
12	244	1676	26:57	5	0.907	A	BB	136683.	88.124	UG	2.18 3
13	NOT FOUND										
14	NOT FOUND										
15	NOT FOUND										
16	NOT FOUND										
~~17~~	~~94~~	~~639~~	~~10:16~~	~~1~~	~~0.925~~	~~A~~	~~BB~~	~~383.~~	~~0.150~~	~~UG~~	~~0.00~~ MJ
18	NOT FOUND										
19	NOT FOUND										
~~20~~	~~128~~	~~657~~	~~10:36~~	~~1~~	~~0.954~~	~~A~~	~~BB~~	~~282.~~	~~0.167~~	~~UG~~	~~0.00~~ MJ
21	NOT FOUND										
22	NOT FOUND										
23	NOT FOUND										
24	NOT FOUND										
25	NOT FOUND										
26	NOT FOUND										
27	NOT FOUND										
~~28~~	~~70~~	~~756~~	~~12:07~~	~~1~~	~~1.074~~	~~A~~	~~BB~~	~~138.~~	~~0.067~~	~~UG~~	~~0.00~~ MJ
29	NOT FOUND										
30	NOT FOUND										
31	NOT FOUND										
32	NOT FOUND										
33	NOT FOUND										
34	NOT FOUND										
35	NOT FOUND										
36	NOT FOUND										
37	NOT FOUND										
38	NOT FOUND										
~~39~~	~~128~~	~~893~~	~~14.21~~	~~2~~	~~1.003~~	~~A~~	~~BB~~	~~360.~~	~~0.080~~	~~UG~~	~~0.00~~ MJ
40	NOT FOUND										
41	NOT FOUND										
42	NOT FOUND										
43	NOT FOUND										
44	NOT FOUND										
~~45~~	~~142~~	~~1004~~	~~16.08~~	~~2~~	~~1.128~~	~~A~~	~~BB~~	~~185.~~	~~0.066~~	~~UG~~	~~0.00~~ MJ
46	NOT FOUND										
47	NOT FOUND										
48	NOT FOUND										
49	NOT FOUND										
50	NOT FOUND										

No	Ret(L)	Ratio	RRT(L)	Ratio	Amnt	Amnt(L)	R.Fac	R.Fac(L)	Ratio
1	10:59	1.01	1.000	1.00	40.00	40.00	1.000	1.000	1.00
2	14:11	1.01	1.000	1.00	40.00	40.00	1.000	1.000	1.00
3	18:44	1.01	1.000	1.00	40.00	40.00	1.000	1.000	1.00
4	22:37	1.01	1.000	1.00	40.00	40.00	1.000	1.000	1.00
5	29:34	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
6	34:20	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
7	7:51	1.02	0.714	1.01	127.15	50.00	4.119	1.620	2.54
8	10:08	1.01	0.922	1.00	126.52	50.00	6.221	2.459	2.53
9	12:22	1.01	0.872	1.00	58.03	50.00	0.669	0.576	1.16
10	17:00	1.01	0.907	1.00	69.96	50.00	1.731	1.237	1.40
11	20:48	1.01	1.111	1.00	197.83	50.00	0.491	0.124	3.96
12	26:49	1.00	0.907	1.00	88.12	50.00	3.594	2.039	1.76
13	4:14		0.385						
14	6:19		0.575						
15	7:26		0.676						

16	9:09		0.833						
17	10:10	1.01	0.925	1.00	0.15	50.00	0.008	2.623	0.00
18	10:12		0.928						
19	10:23		0.946						
20	10:28	1.01	0.953	1.00	0.17	50.00	0.006	1.732	0.00
21	10:50		0.987						
22	11:02		1.004						
23	11:21		1.034						
24	11:23		1.037						
25	11:37		1.059						
26	11:41		1.064						
27	11:37		1.059						
28	12:02	1.01	1.097	1.00	0.07	50.00	0.003	2.065	0.00
29	12:14		1.114						
30	12:01		0.847						
31	12:26		0.876						
32	12:49		0.904						
33	13:02		0.920						
34	13:13		0.932						
35	13:21		0.941						
36	13:36		0.959						
37	13:50		0.975						
38	14:02		0.990						
39	14:14	1.01	1.003	1.00	0.08	50.00	0.002	1.179	0.00
40	14:23		1.015						
41	14:24		1.016						
42	14:34		1.027						
43	15:17		1.078						
44	15:39		1.103						
45	16:02	1.01	1.130	1.00	0.07	50.00	0.001	0.742	0.00
46	16:28		0.879						
47	16:26		0.877						
48	16:45		0.894						
49	16:51		0.900						
50	17:18		0.924						

Quantitation Report File: AD31S13593

Data: AD31S13593.TI
06/15/91 22:18:00
Sample: S9 91-13593
Conds.: MS-B CASE: EOH0022
Submitted by: Analyst: JOHNSON

AMOUNT=AREA * REF AMNT/(REF AREA * RESP FACT)
Resp. fac. from Library Entry

No	Name
51	1-CHLORONAPHTHALENE
52	2-NITROANILINE
53	DIMETHYL PHTHALATE
54	2,6-DINITROTOLUENE
55	ACENAPHTHYLENE
56	3-NITROANILINE
57	ACENAPHTHENE
58	2,4-DINITROPHENOL
59	4-NITROPHENOL
60	DIBENZOFURAN
61	2,4-DINITROTOLUENE
62	PENTACHLOROBENZENE
63	1-NAPHTHYLAMINE
64	2,3,4,6-TETRACHLOROPHENOL
65	2-NAPHTHYLAMINE
66	DIETHYL PHTHALATE
67	4-CHLOROPHENYL PHENYL ETHER
68	FLUORENE
69	4-NITROANILINE
70	4,6-DINITRO-2-METHYLPHENOL
71	N-NITROSODIPHENYLAMINE
72	1,2-DIPHENYLHYDRAZINE
73	4-BROMOPHENYL PHENYL ETHER
74	PHENACETIN
75	HEXACHLOROBENZENE
76	4-AMINOBIPHENYL
77	PENTACHLOROPHENOL
78	PRONAMIDE (PROPYZAMIDE)
79	PENTACHLORONITROBENZENE
80	PHENANTHRENE
81	ANTHRACENE
82	DI-N-BUTYL PHTHALATE
83	FLUORANTHENE
84	PYRENE
85	BENZIDINE
86	P-DIMETHYLAMINOAZOBENZENE
87	BUTYL BENZYL PHTHALATE
88	3,3'-DICHLOROBENZIDINE
89	BENZO(A)ANTHRACENE
90	CHRYSENE
91	BIS(2-ETHYLHEXYL)PHTHALATE
92	DI-N-OCTYL PHTHALATE
93	7,12-DIMETHYLBENZ(A)ANTHRACENE
94	BENZO(B)FLUORANTHENE
95	BENZO(K)FLUORANTHENE
96	BENZO(A)PYRENE
97	3-METHYLCHOLANTHRENE
98	INDENO (1,2,3-CD)PYRENE
99	DIBENZ(A,H)ANTHRACENE
100	BENZO (G,H,I)PERYLENE

00788

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount	%Tot
51	NOT FOUND								

52	NOT FOUND									
53	NOT FOUND									
54	NOT FOUND									
55	NOT FOUND									
56	NOT FOUND									
~~57~~	~~154~~	~~1170~~	~~18:56~~	~~3~~	~~1.004~~	~~A BB~~	~~698.~~	~~0.274 UG~~	~~0.01~~	
58	NOT FOUND									
59	NOT FOUND									
~~60~~	~~168~~	~~1207~~	~~19:24~~	~~3~~	~~1.029~~	~~A BB~~	~~709.~~	~~0.210 UG~~	~~0.01~~	
61	NOT FOUND									
62	NOT FOUND									
63	NOT FOUND									
64	NOT FOUND									
65	NOT FOUND									
~~66~~	~~149~~	~~1245~~	~~20:01~~	~~3~~	~~1.061~~	~~A BB~~	~~2269.~~	~~0.785 UG~~	~~0.02~~	
67	NOT FOUND									
~~68~~	~~166~~	~~1262~~	~~20:17~~	~~3~~	~~1.076~~	~~A BB~~	~~952.~~	~~0.368 UG~~	~~0.01~~	
69	NOT FOUND									
70	NOT FOUND									
71	NOT FOUND									
72	NOT FOUND									
73	NOT FOUND									
74	NOT FOUND									
75	NOT FOUND									
76	NOT FOUND									
77	NOT FOUND									
78	NOT FOUND									
79	NOT FOUND									
80	178	1419	22:49	4	1.003	A BB	15641.	3.902 UG	0.10	
~~81~~	~~170~~	~~1417~~	~~22:49~~	~~4~~	~~1.003~~	~~A BB~~	~~15641.~~	~~3.902 UG~~	~~0.10~~	
~~82~~	~~149~~	~~1512~~	~~24:18~~	~~4~~	~~1.069~~	~~A BB~~	~~487.~~	~~0.123 UG~~	~~0.00~~	
83	202	1613	25:56	4	1.140	A BB	18101.	8.503 UG	0.21	
84	202	1650	26:32	5	0.893	A BB	13765.	7.338 UG	0.18	
85	NOT FOUND									
86	NOT FOUND									
~~87~~	~~149~~	~~1756~~	~~28:14~~	~~5~~	~~0.951~~	~~A BB~~	~~214.~~	~~0.404 UG~~	~~0.01~~	
88	NOT FOUND									
89	228	1845	29:40	5	0.999	A BV	3385.	3.920 UG	0.10	
90	228	1851	29:45	5	1.002	A VB	3968.	4.501 UG	0.11	
91	149	1849	29:44	5	1.001	A BB	10060.	13.148 UG	0.32	
92	NOT FOUND									
93	NOT FOUND									
~~94~~	~~252~~	~~2050~~	~~32:57~~	~~6~~	~~0.956~~	~~A BB~~	~~4751.~~	~~6.786 UG~~	~~0.17~~	
95	NOT FOUND									
~~96~~	~~252~~	~~2129~~	~~34:14~~	~~6~~	~~0.993~~	~~A BB~~	~~2148.~~	~~4.183 UG~~	~~0.10~~	
97	NOT FOUND									
98	NOT FOUND									
99	NOT FOUND									
100	NOT FOUND									

No	Ret(L)	Ratio	RRT(L)	Ratio	Amnt	Amnt(L)	R.Fac	R.Fac(L)	Ratio
51	17:18		0.924						
52	17:34		0.938						
53	18:04		0.965						
54	18:13		0.973						
55	18:22		0.980						
56	18:39		0.996						
57	18:50	1.01	1.005	1.00	0.29	50.00	0.007	1.187	0.01
58	18:55		1.010						
59	19:05		1.019						
60	19:17	1.01	1.029	1.00	0.21	50.00	0.007	1.688	0.00
61	19:17		1.029						
62	19:10		1.023						
63	19:29		1.040						
64	19:36		1.046						
65	19:42		1.052						

66	19:55	1.00	1.064	1.00	0.78	50.00	0.023	1.446	0.02
67	20:12		1.078						
68	20:11	1.01	1.077	1.00	0.37	50.00	0.010	1.295	0.01
69	20:14		1.081						
70	20:19		0.898						
71	20:31		0.907						
72	20:37		0.911						
73	21:28		0.949						
74	21:20		0.943						
75	21:36		0.955						
76	22:09		0.979						
77	22:07		0.978						
78	22:19		0.986						
79	22:10		0.980						
80	22:42	1.00	1.004	1.00	3.90	50.00	0.123	1.582	0.08
81	22:50	1.00	1.009	0.99	3.90	50.00	0.123	1.582	0.08
82	24:11	1.01	1.069	1.00	0.12	50.00	0.004	1.568	0.00
83	25:48	1.00	1.141	1.00	8.50	50.00	0.143	0.840	0.17
84	26:24	1.00	0.893	1.00	7.34	50.00	0.362	2.466	0.15
85	26:09		0.885						
86	27:11		0.920						
87	28:06	1.00	0.951	1.00	0.40	50.00	0.006	0.697	0.01
88	29:28		0.997						
89	29:32	1.00	0.999	1.00	3.92	50.00	0.089	1.135	0.08
90	29:38	1.00	1.002	1.00	4.50	50.00	0.104	1.159	0.09
91	29:35	1.00	1.001	1.00	13.15	50.00	0.264	1.006	0.26
92	31:26		0.915						
93	32:49		0.956						
94	32:50	1.00	0.956	1.00	6.99	50.00	0.211	1.510	0.14
95	32:56		0.959						
96	34:07	1.00	0.993	1.00	4.18	50.00	0.095	1.140	0.08
97	35:42		1.040						
98	40:11		1.170						
99	40:11		1.170						
100	41:46		1.216						

Quantitation Report File: AD31S13593

Data: AD31S13593.TI
06/15/91 22:18:00
Sample: S9 91-13593
Conds.: MS-B CASE: EOH0022
Submitted by: Analyst: JOHNSON

AMOUNT=AREA * REF AMNT/(REF AREA * RESP FACT)
Resp. fac. from Library Entry

No	Name
101	DIBENZ(A,J)ACRIDINE
102	BENZOIC ACID

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount	%Tot
101	NOT FOUND								
~~102~~	~~122~~	~~857~~	~~13:47~~	~~2~~	~~0.963~~	~~A BB~~	~~133.~~	~~10.611 UG~~	~~0.26~~ µg/l

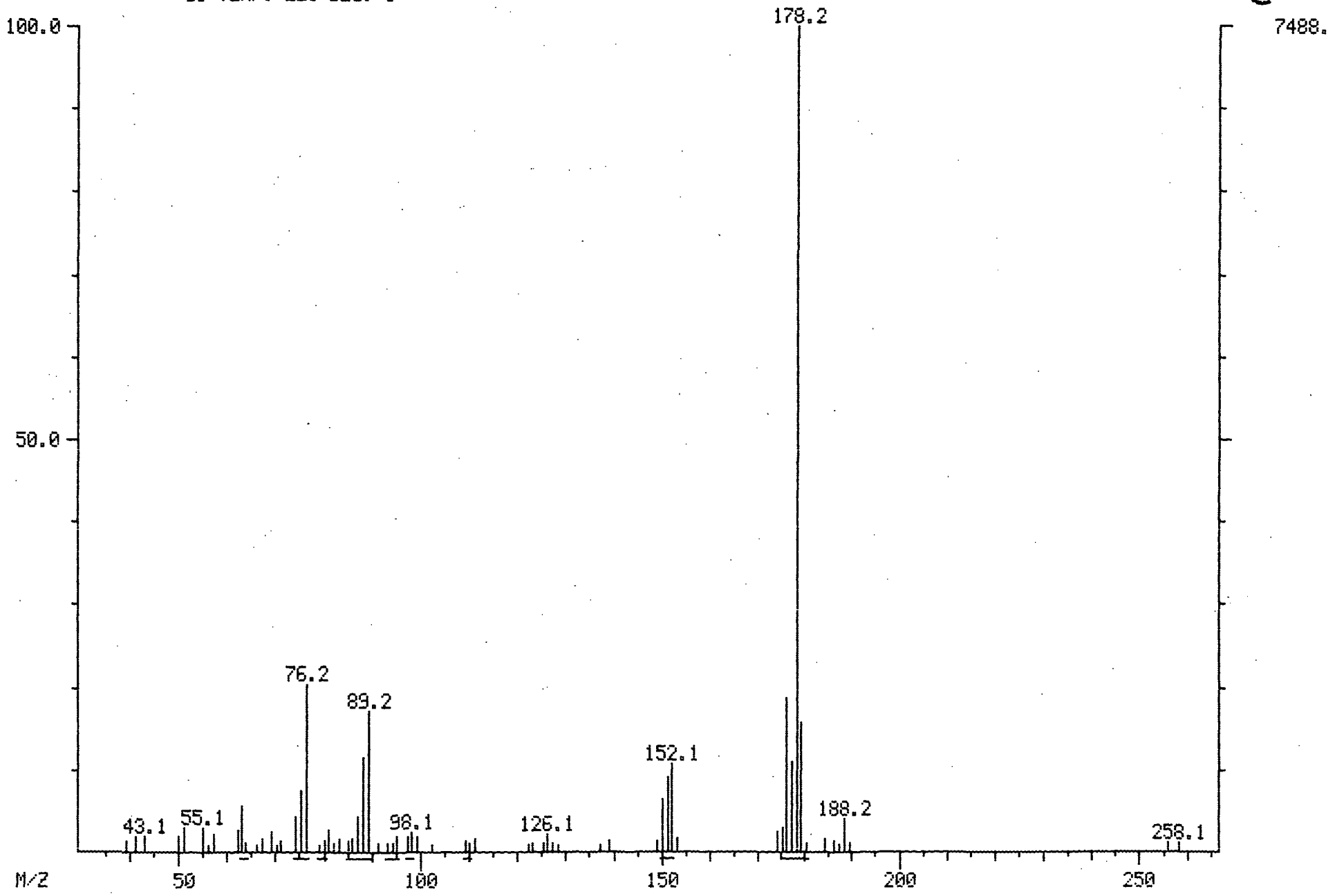
No	Ret(L)	Ratio	RRT(L)	Ratio	Amnt	Amnt(L)	R.Fac	R.Fac(L)	Ratio
101	38:55		1.133						
102	13:37	1.01	0.960	1.00	10.61	50.00	0.001	0.003	0.21

MID MASS SPECTRUM
06/15/91 22:18:00 + 22:49
SAMPLE: S9 91-13593
CONDS.: MS-B CASE: EOH0022
GC TEMP: 228 DEG. C

DATA: AD31513593 #1419
CALI: AD31513593 #2

BASE M/Z: 178
RIC: 24256.

00792

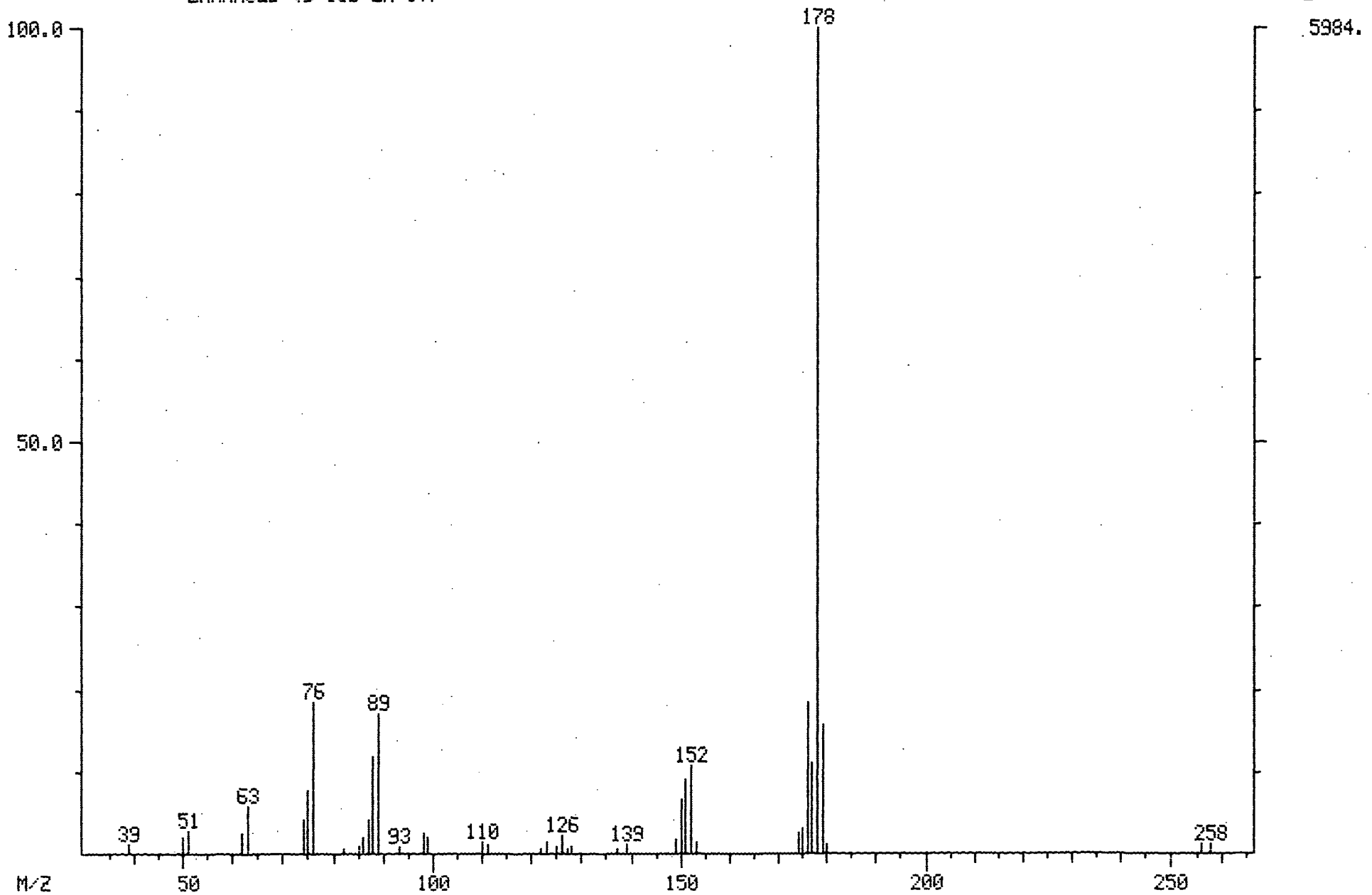


MID MASS SPECTRUM
06/15/91 22:18:00 + 22:49
SAMPLE: S9 91-13593
CONDS.: MS-B CASE: EOH0022
GC TEMP: 228 DEG. C
ENHANCED (S 15B 2N 0T)

DATA: AD31S13593 #1419
CALI: AD31S13593 #2

BASE M/Z: 178
RIC: 16768.

00793

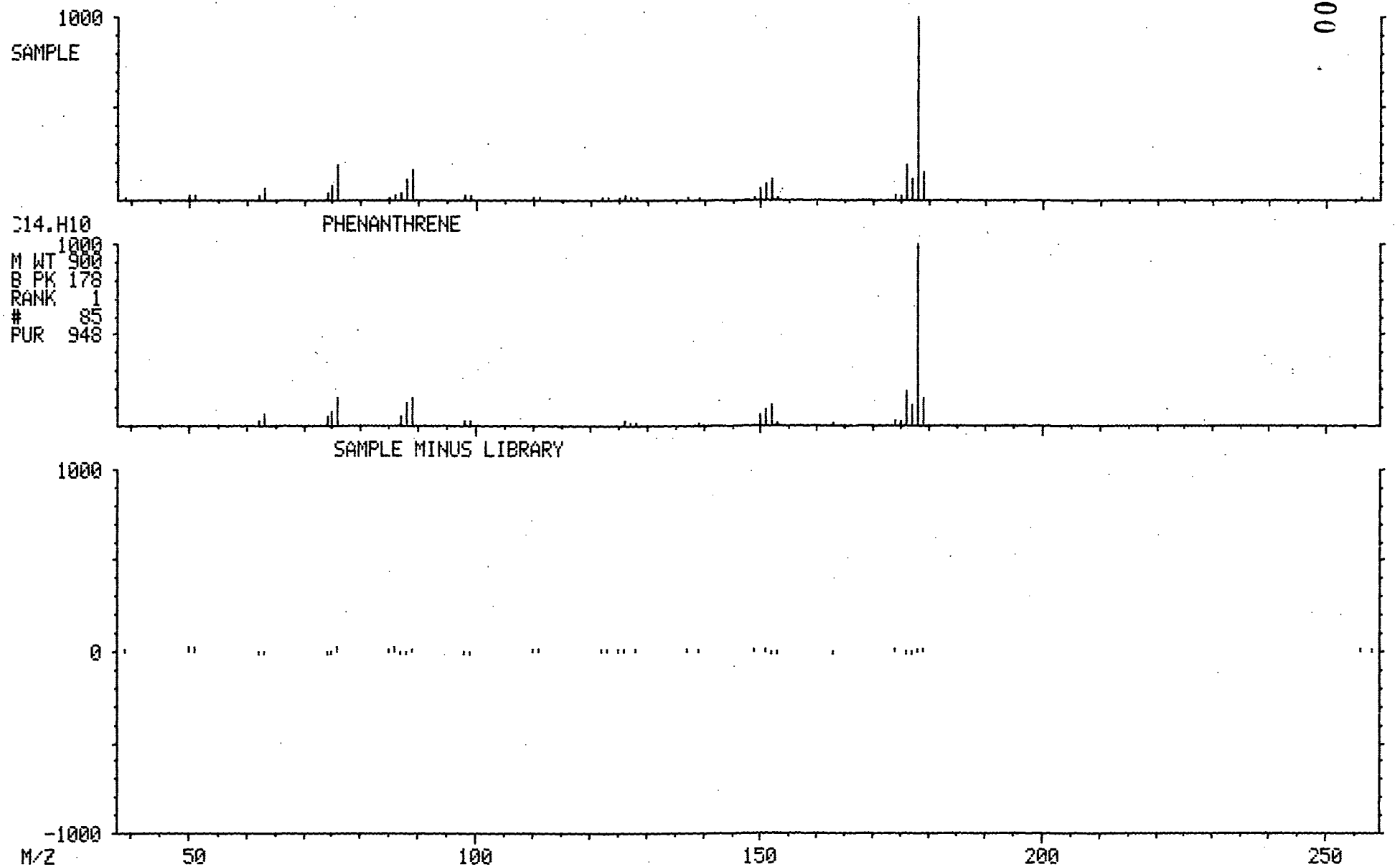


MID LIBRARY SEARCH
06/15/91 22:18:00 + 22:49
SAMPLE: S9 91-13593
CONDS.: MS-B CASE: EOH0022
ENHANCED (S 15B 2N 0T)

DATA: AD31S13593 #1419
CALI: AD31S13593 # 2

BASE M/Z: 178
RIC: 16607.

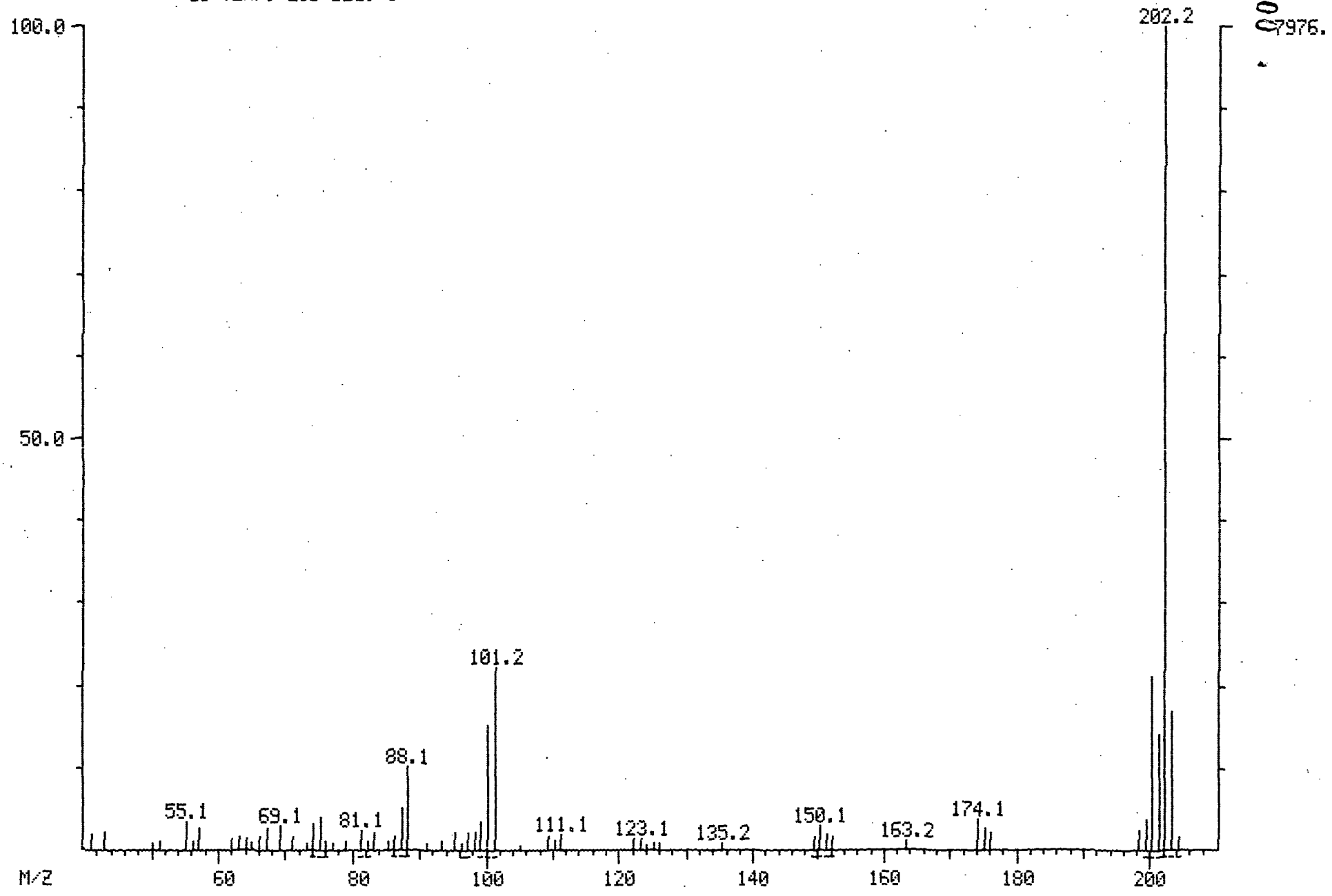
00794



MID MASS SPECTRUM
06/15/91 22:18:00 + 25:56
SAMPLE: S9 91-13593
CONDS.: MS-B CASE: EOH0022
GC TEMP: 259 DEG. C

DATA: AD31S13593 #1613
CALI: AD31S13593 #2

BASE M/Z: 202
RIC: 24032.



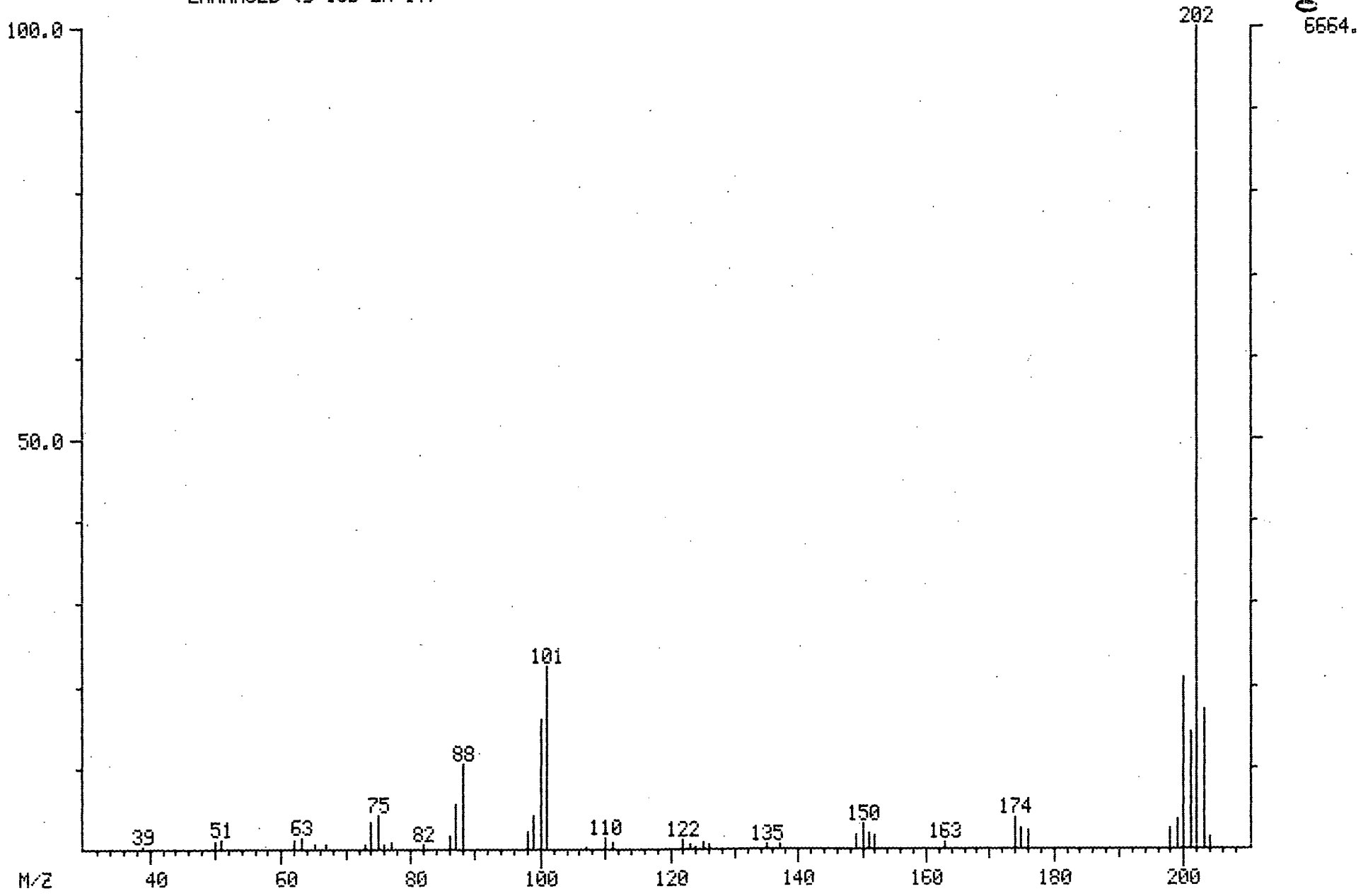
00795

MID MASS SPECTRUM
06/15/91 22:18:00 + 25:56
SAMPLE: S9 91-13593
CONDS.: MS-B CASE: EOH0022
GC TEMP: 259 DEG. C
ENHANCED (5 15B 2N 0T)

DATA: AD31S13593 #1613
CALI: AD31S13593 #2

BASE M/Z: 202
RIC: 17536.

000736

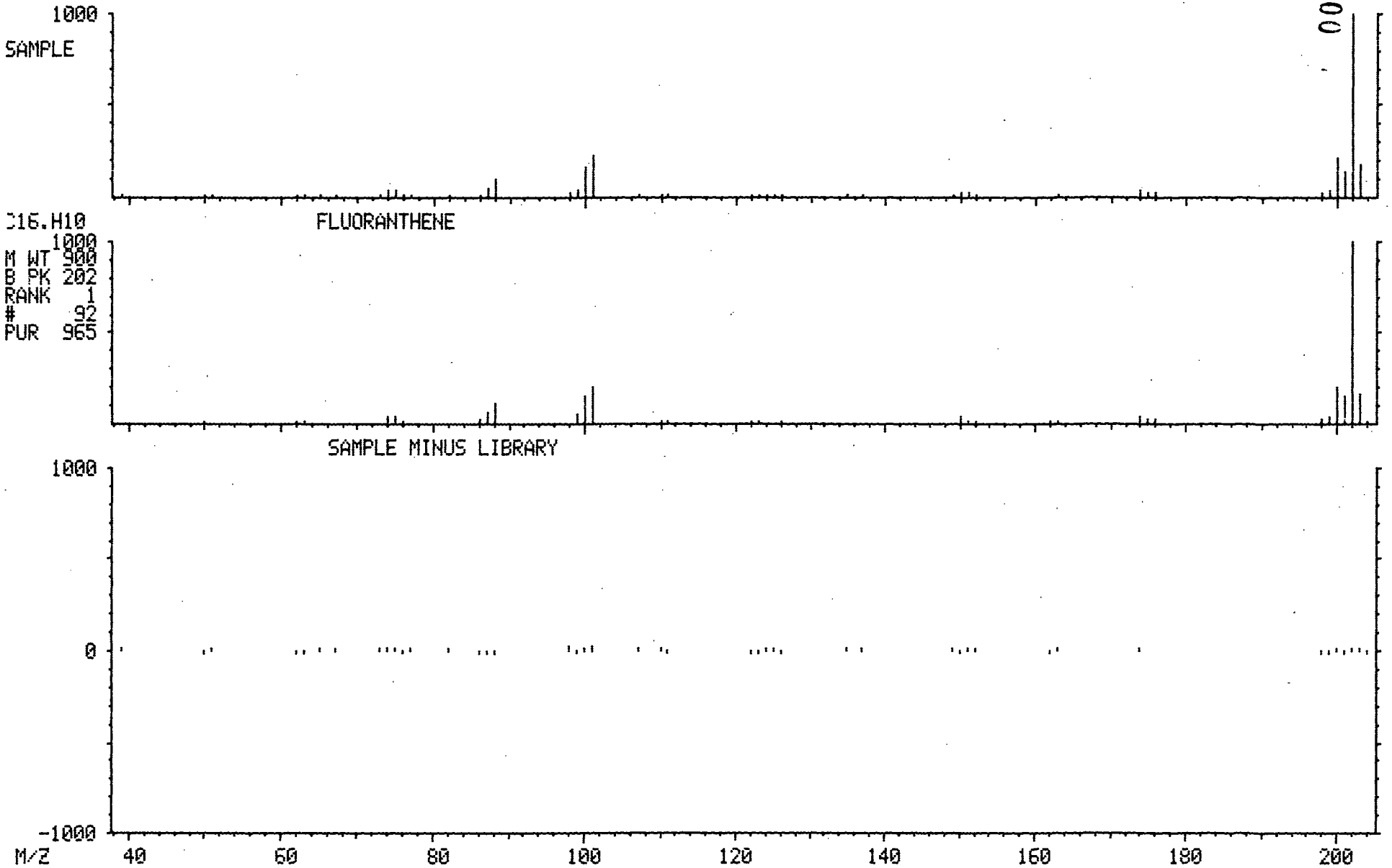


MID LIBRARY SEARCH
06/15/91 22:18:00 + 25:56
SAMPLE: S9 91-13593
CONDS.: MS-B CASE: EOH0022
ENHANCED (S 15B 2N 0T)

DATA: AD31513593 #1613
CALI: AD31513593 # 2

BASE M/Z: 202
RIC: 17439.

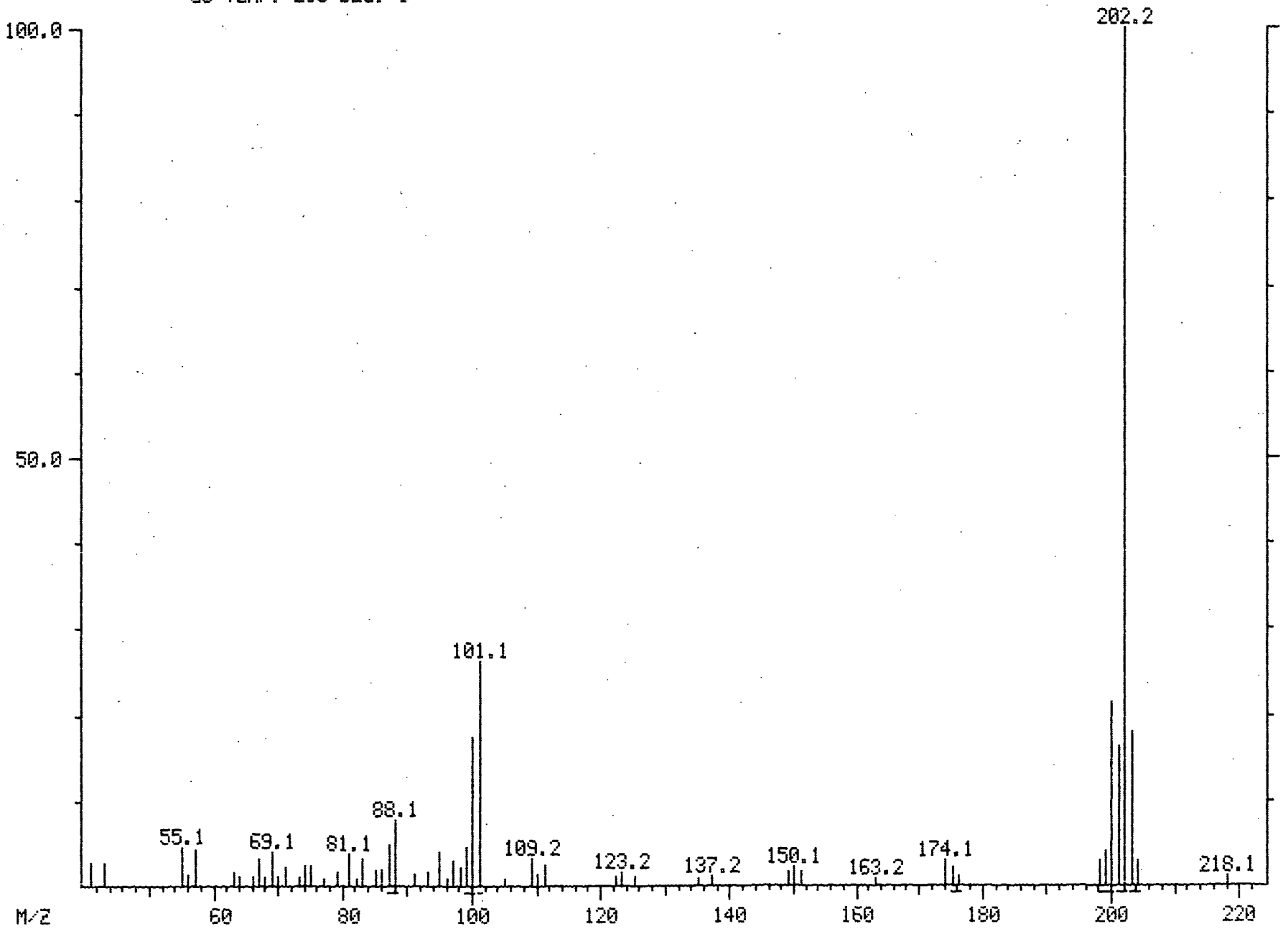
00797



MID MASS SPECTRUM
06/15/91 22:18:00 + 26:32
SAMPLE: S9 91-13593
CONDS.: MS-B CASE: EOH0022
GC TEMP: 265 DEG. C

DATA: AD31S13593 #1650
CALI: AD31S13593 #2

BASE M/Z: 202
RIC: 19168.



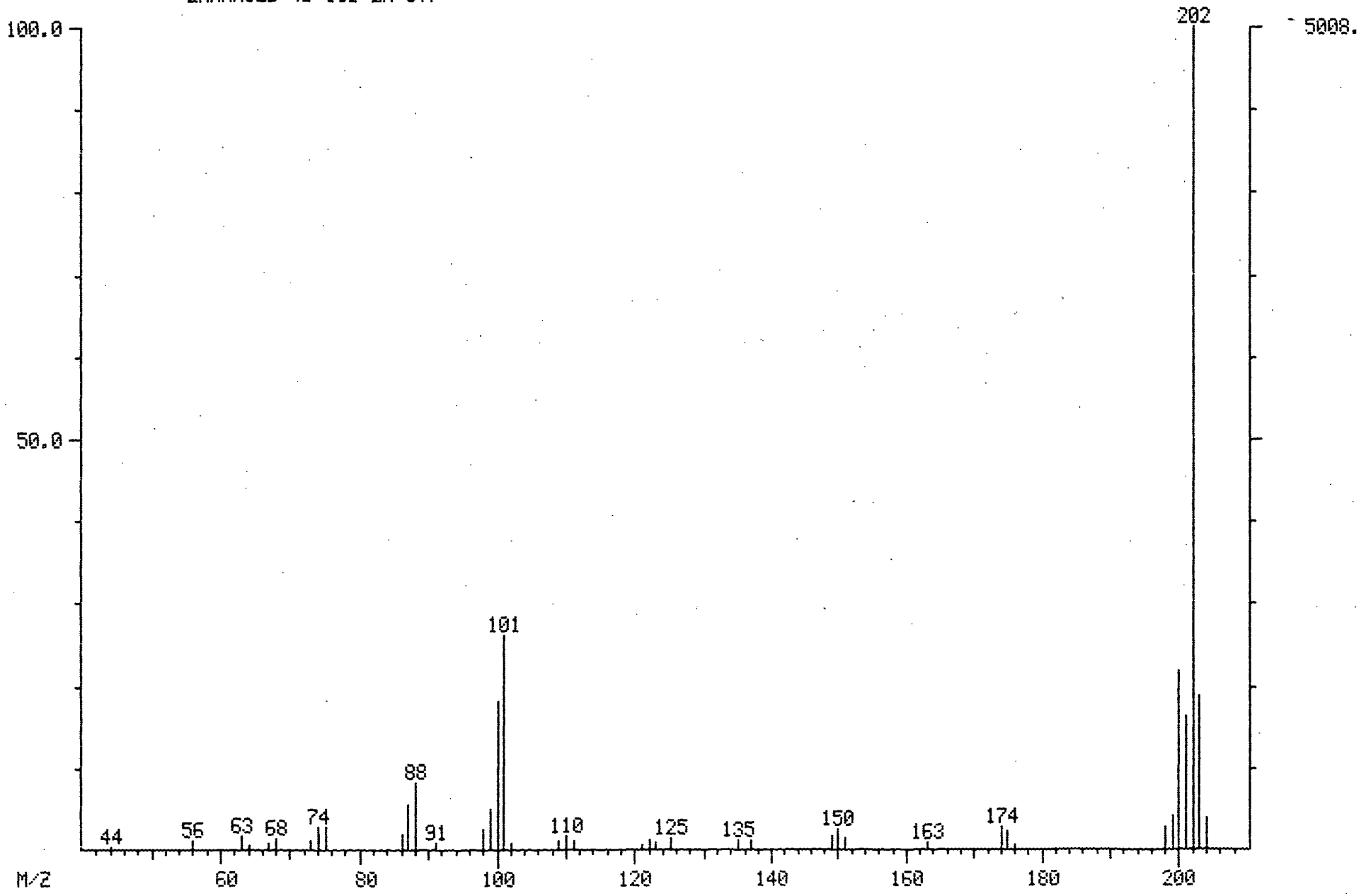
00798

MID MASS SPECTRUM
06/15/91 22:18:00 + 26:32
SAMPLE: S9 91-13593
CONDS.: MS-B CASE: EOH0022
GC TEMP: 265 DEG. C
ENHANCED (S 15B 2N 0T)

DATA: AD31S13593 #1650
CALI: AD31S13593 #2

BASE M/Z: 202
RIC: 13584.

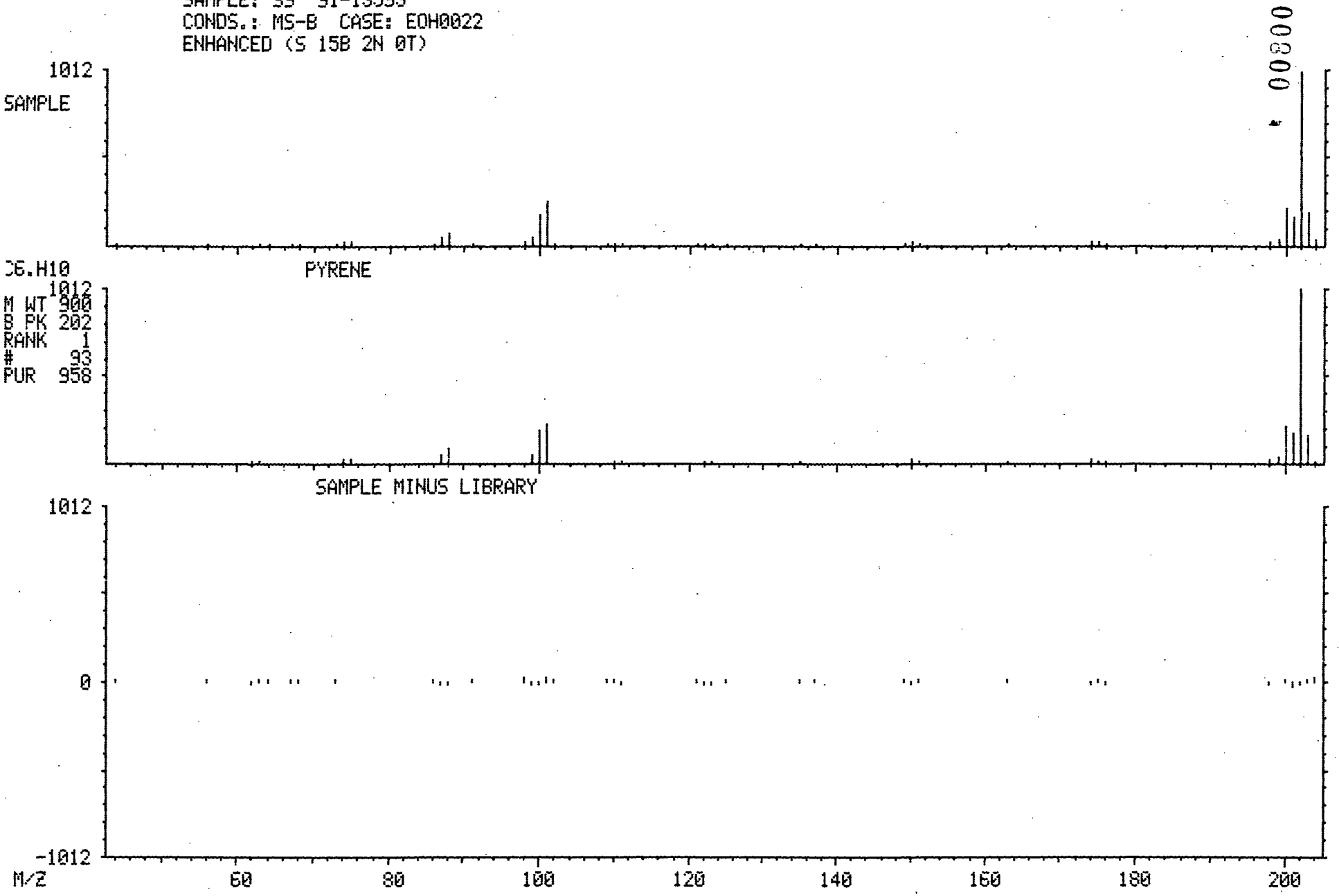
00799



MID LIBRARY SEARCH
06/15/91 22:18:00 + 26:32
SAMPLE: S9 91-13593
CONDS.: MS-B CASE: EOH0022
ENHANCED (S 15B 2N 0T)

DATA: AD31513593 #1650
CALI: AD31513593 # 2

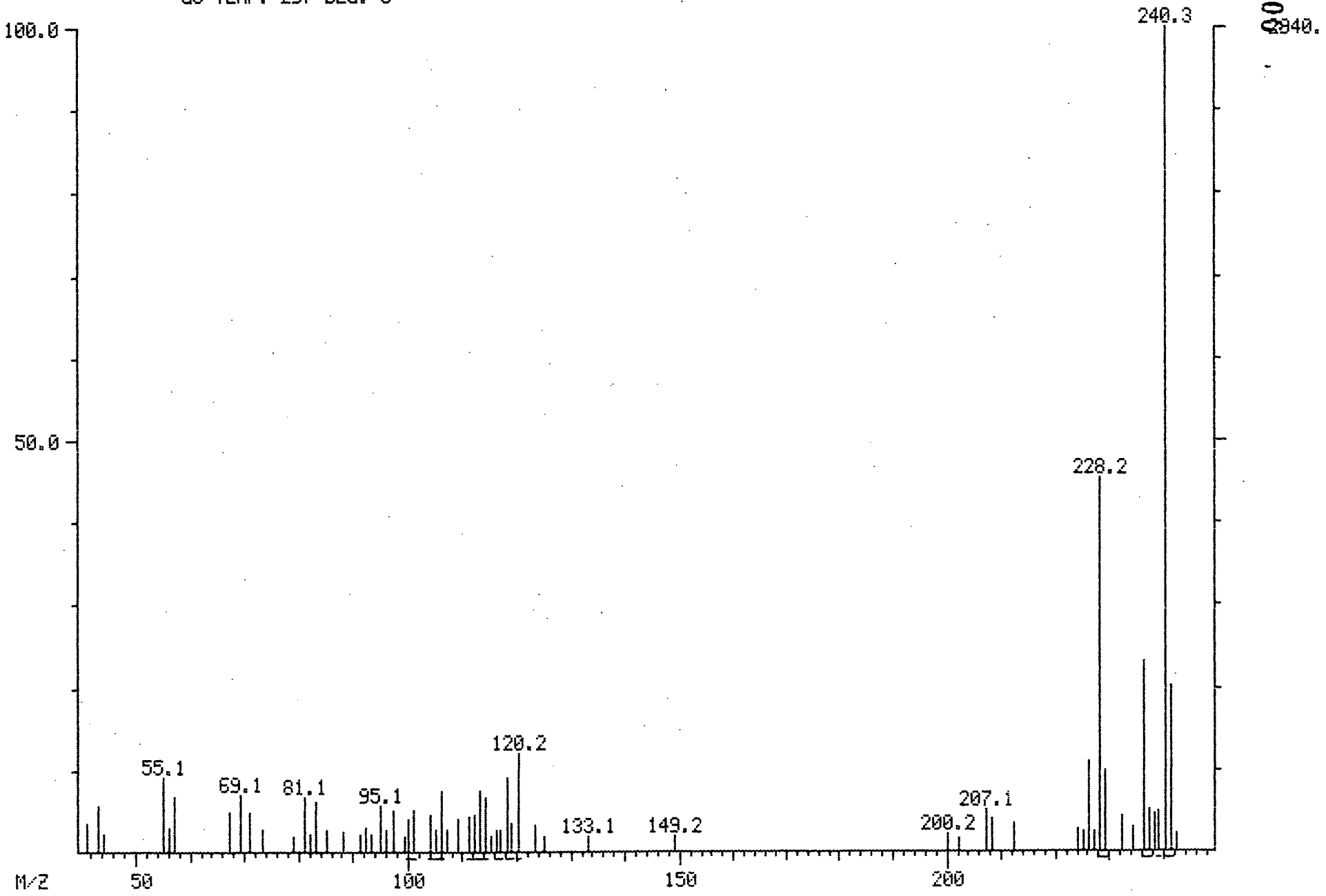
BASE M/Z: 202
RIC: 13583.



MID MASS SPECTRUM
06/15/91 22:18:00 + 29:40
SAMPLE: S9 91-13593
CONDS.: MS-B CASE: EOH0022
GC TEMP: 297 DEG. C

DATA: AD31513593 #1845
CALI: AD31513593 #2

BASE M/Z: 240
RIC: 13184.



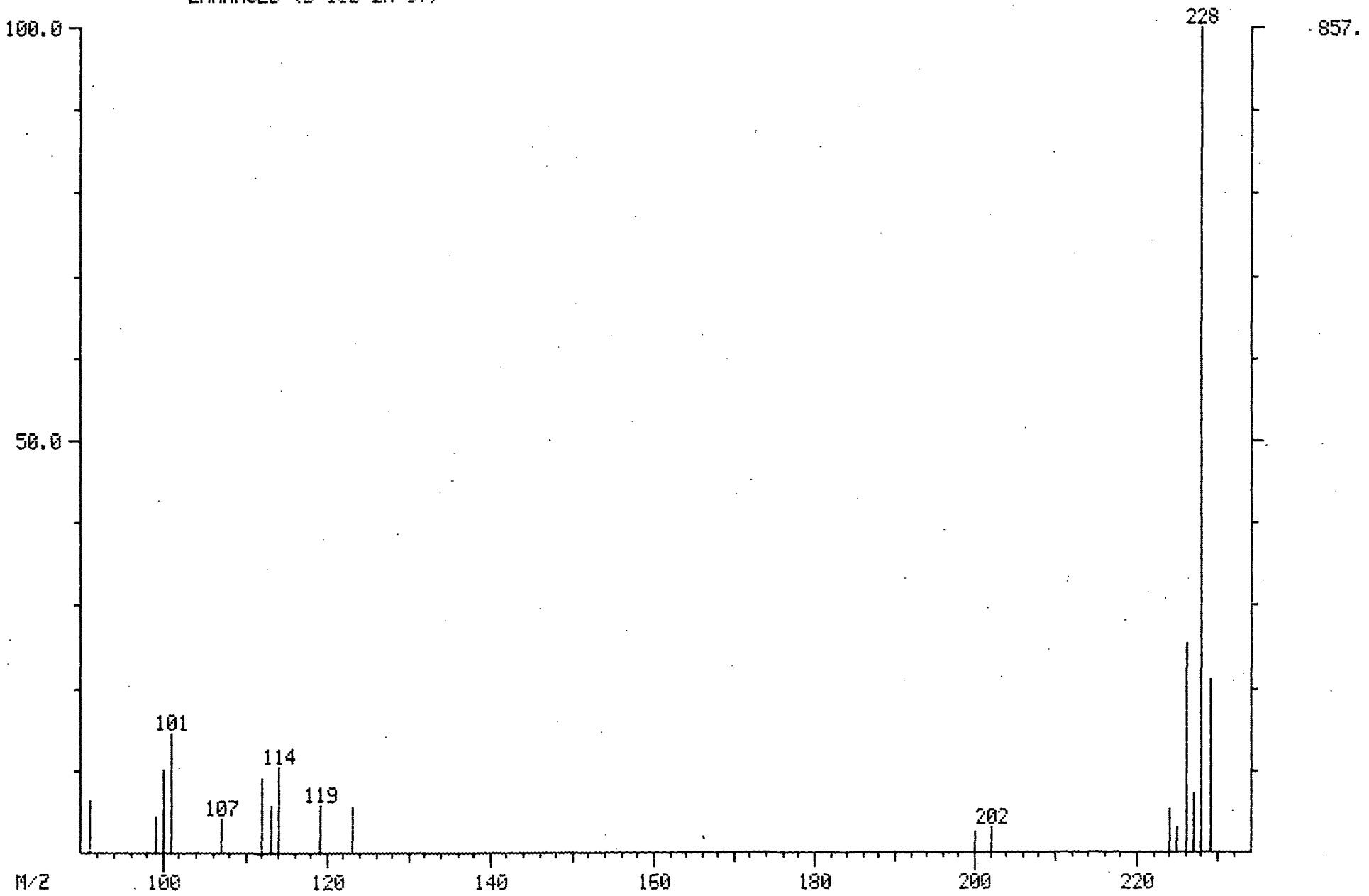
00801

MID MASS SPECTRUM
06/15/91 22:18:00 + 29:40
SAMPLE: S9 91-13593
CONDS.: MS-B CASE: EOH0022
GC TEMP: 297 DEG. C
ENHANCED (S 15B 2N 0T)

DATA: AD31513593 #1845
CALI: AD31513593 #2

BASE M/Z: 228
RIC: 2092.

00802

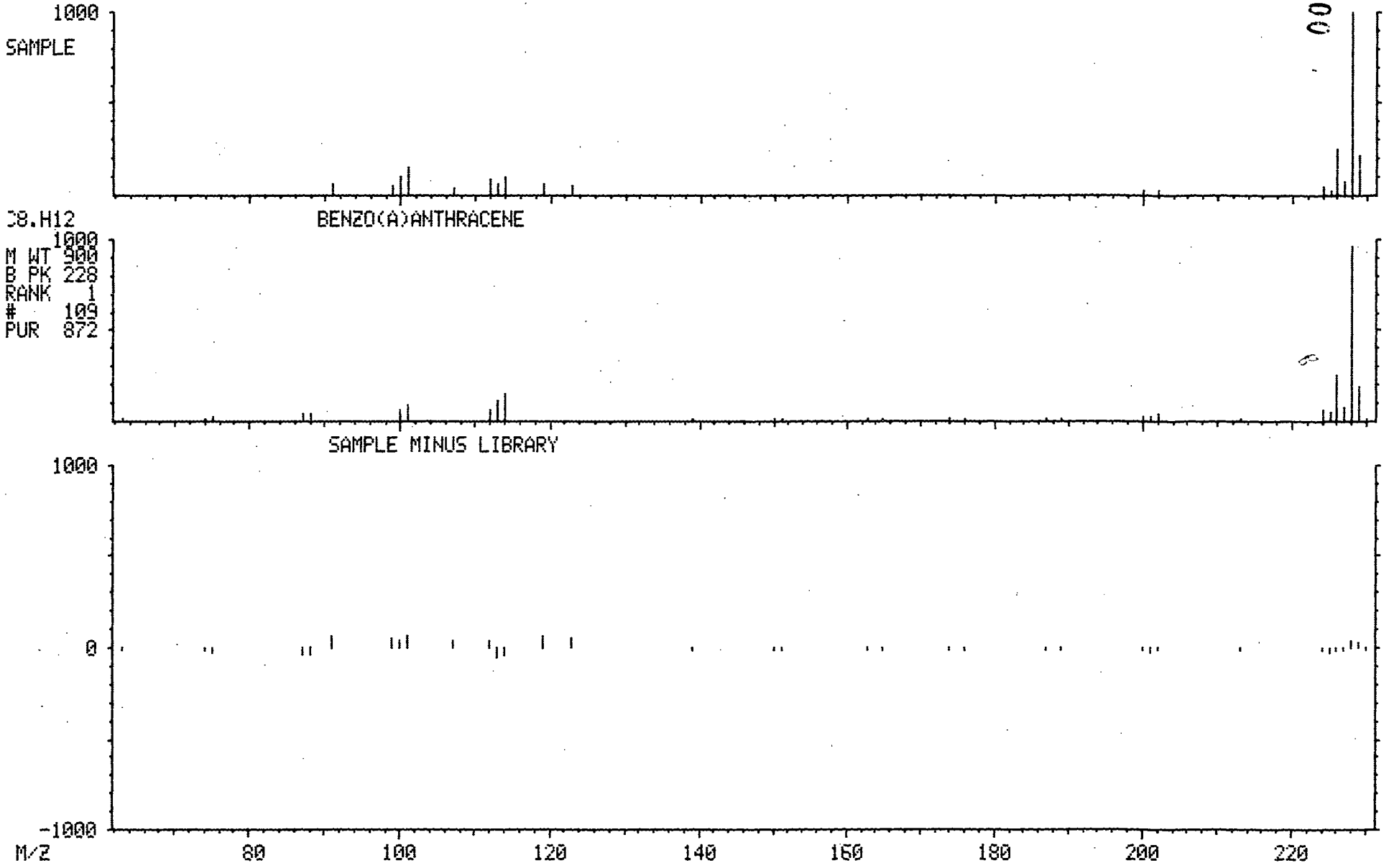


MID LIBRARY SEARCH
06/15/91 22:18:00 + 29:40
SAMPLE: S9 91-13593
CONDS.: MS-B CASE: EOH0022
ENHANCED (S 15B 2N 0T)

DATA: AD31S13593 #1845
CALI: AD31S13593 # 2

BASE M/Z: 228
RIC: 2091.

00803

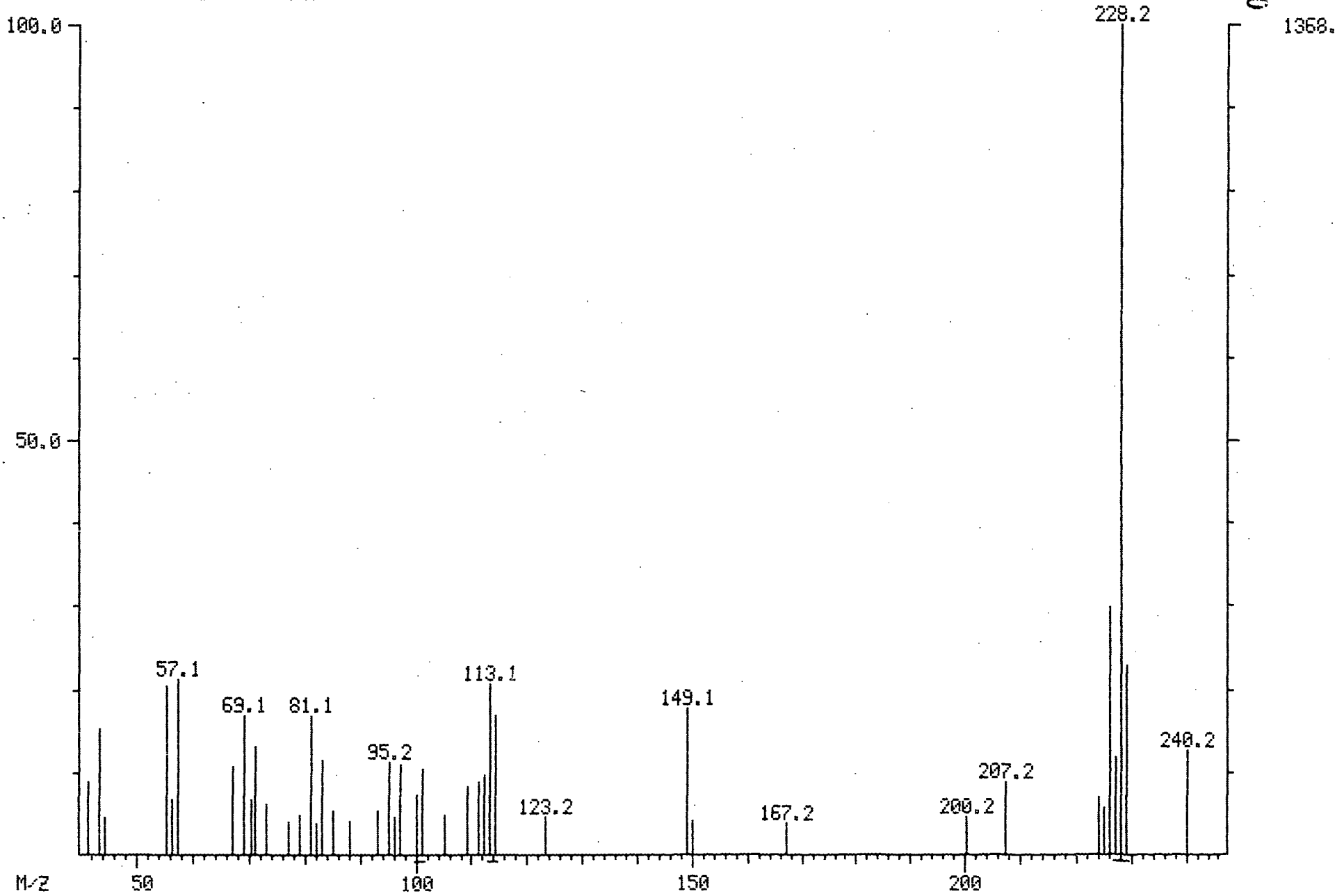


MID MASS SPECTRUM
06/15/91 22:18:00 + 29:45
SAMPLE: S9 91-13593
CONDS.: MS-B CASE: EOH0022
GC TEMP: 298 DEG. C

DATA: AD31513593 #1851
CALI: AD31513593 #2

BASE M/Z: 228
RIC: 7320.

60804

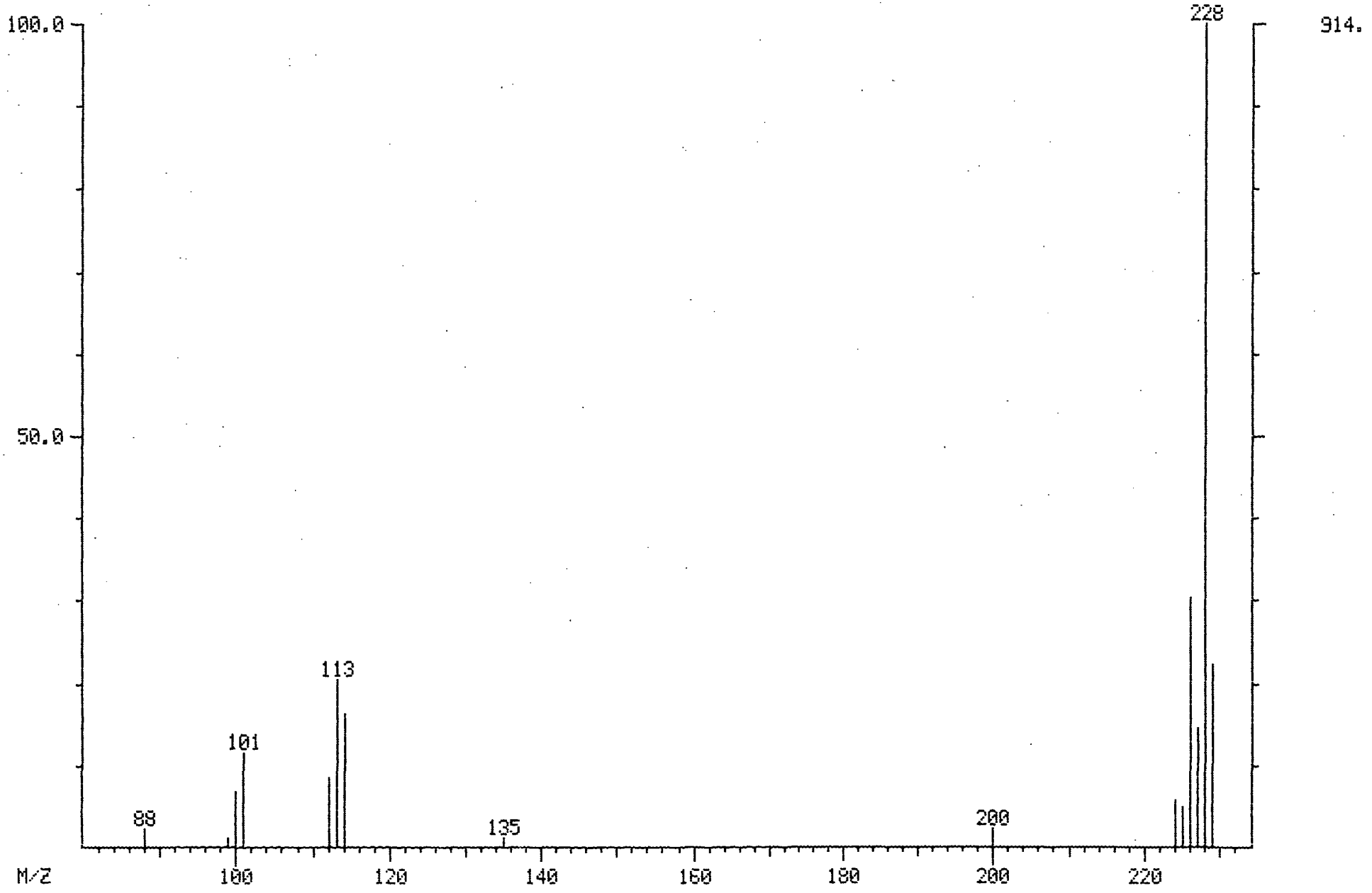


MID MASS SPECTRUM
06/15/91 22:18:00 + 29:45
SAMPLE: S9 91-13593
CONDS.: MS-B CASE: EOH0022
GC TEMP: 298 DEG. C
ENHANCED (S 15B 2N 0T)

DATA: AD31S13593 #1851
CALI: AD31S13593 #2

BASE M/Z: 228
RIC: 2276.

00805

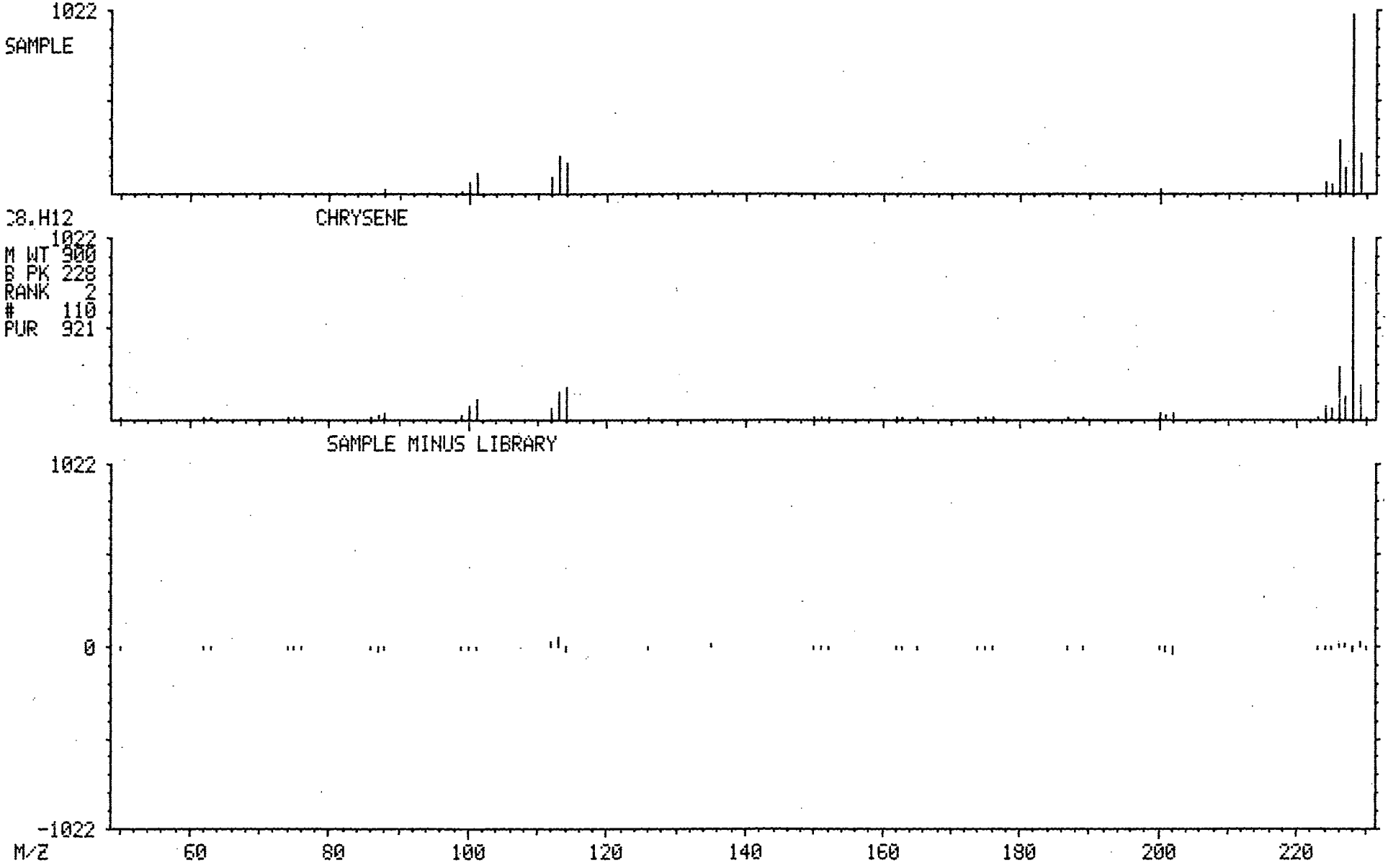


MID LIBRARY SEARCH
06/15/91 22:18:00 + 29:45
SAMPLE: S9 91-13593
CONDS.: MS-B CASE: EOH0022
ENHANCED (S 15B 2N 0T)

DATA: AD31513593 #1851
CALI: AD31513593 # 2

BASE M/Z: 228
RIC: 2275.

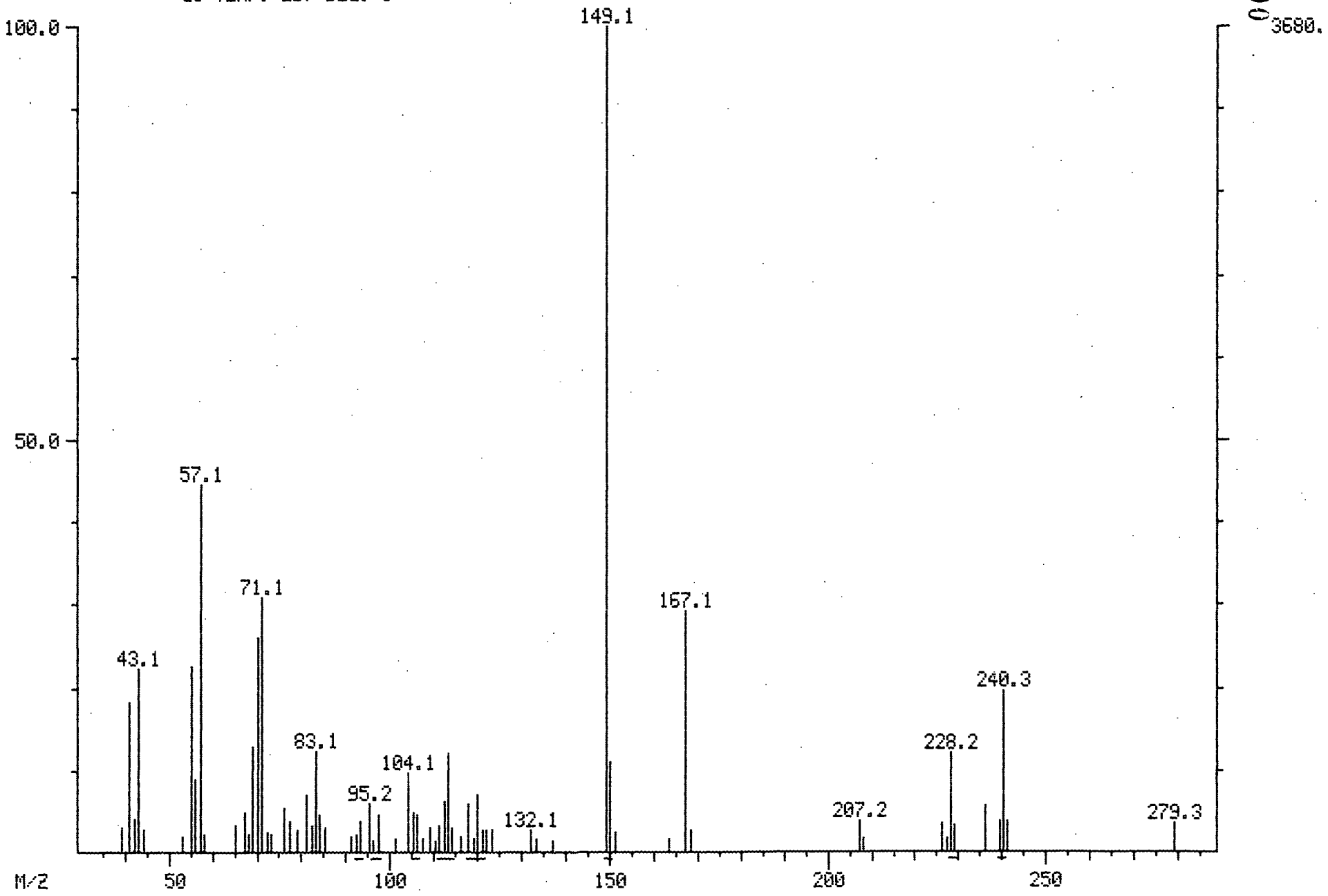
00800



MID MASS SPECTRUM
06/15/91 22:18:00 + 29:44
SAMPLE: S9 91-13593
CONDS.: MS-B CASE: EOH0022
GC TEMP: 297 DEG. C

DATA: AD31S13593 #1849
CALI: AD31S13593 #2

BASE M/Z: 149
RIC: 20864.

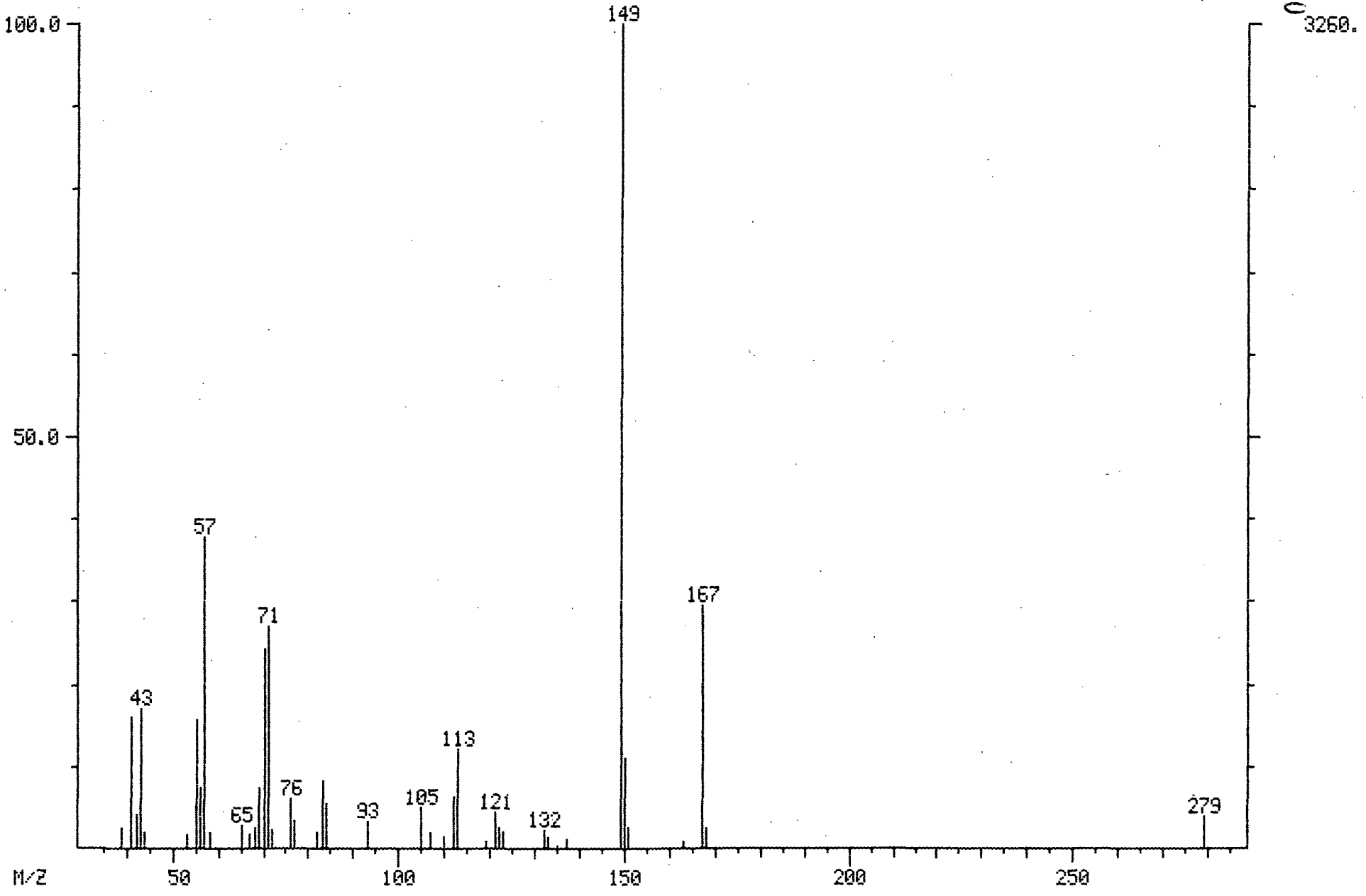


008007

MID MASS SPECTRUM
06/15/91 22:18:00 + 29:44
SAMPLE: S9 91-13593
CONDS.: MS-B CASE: EOH0022
GC TEMP: 297 DEG. C
ENHANCED (S 15B 2N 0T)

DATA: AD31S13593 #1849
CALI: AD31S13593 #2

BASE M/Z: 149
RIC: 12896.



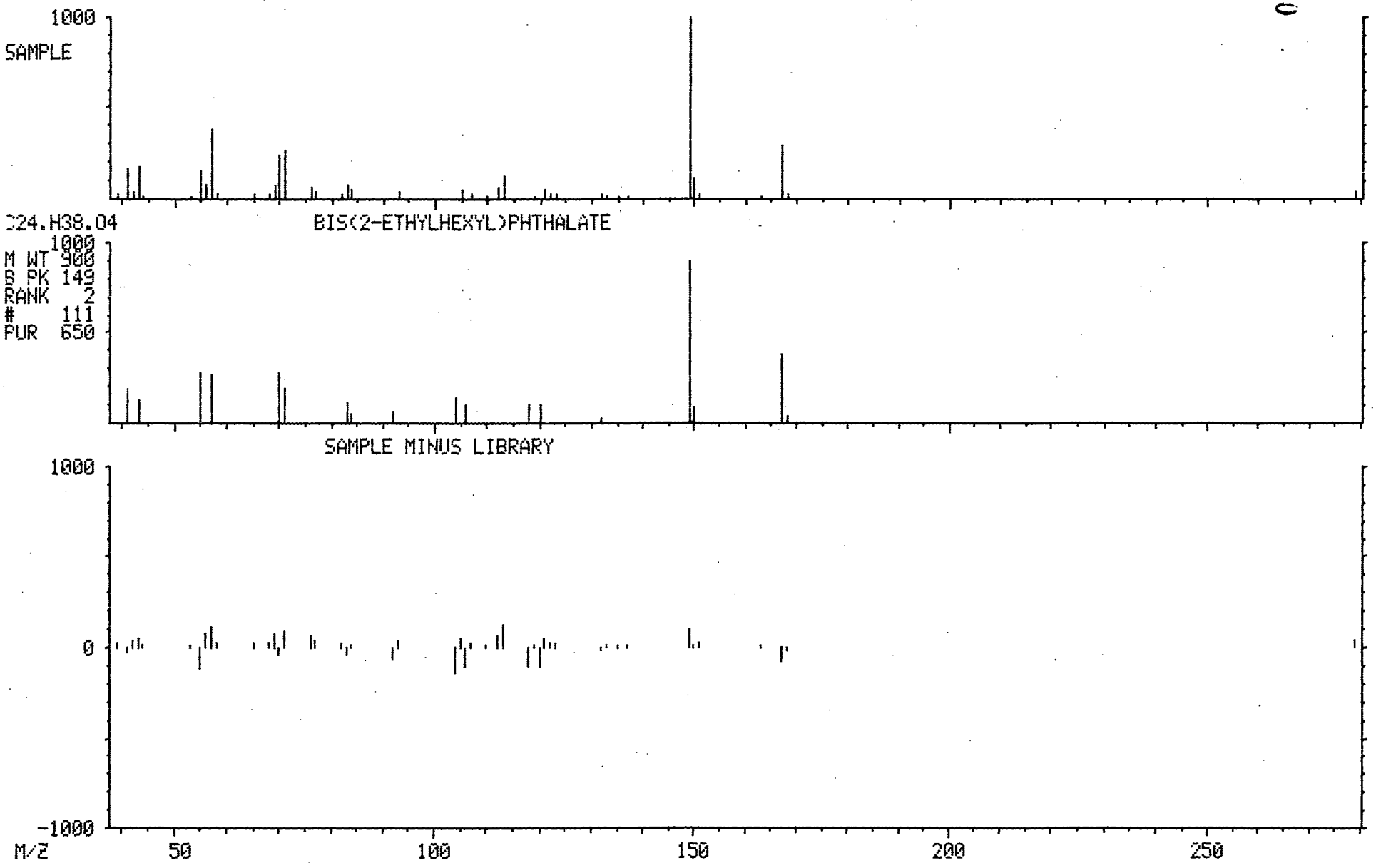
008008

MID LIBRARY SEARCH
06/15/91 22:18:00 + 29:44
SAMPLE: S9 91-13593
CONDS.: MS-B CASE: EOH0022
ENHANCED (S 15B 2N 0T)

DATA: AD31513593 #1849
CALI: AD31513593 # 2

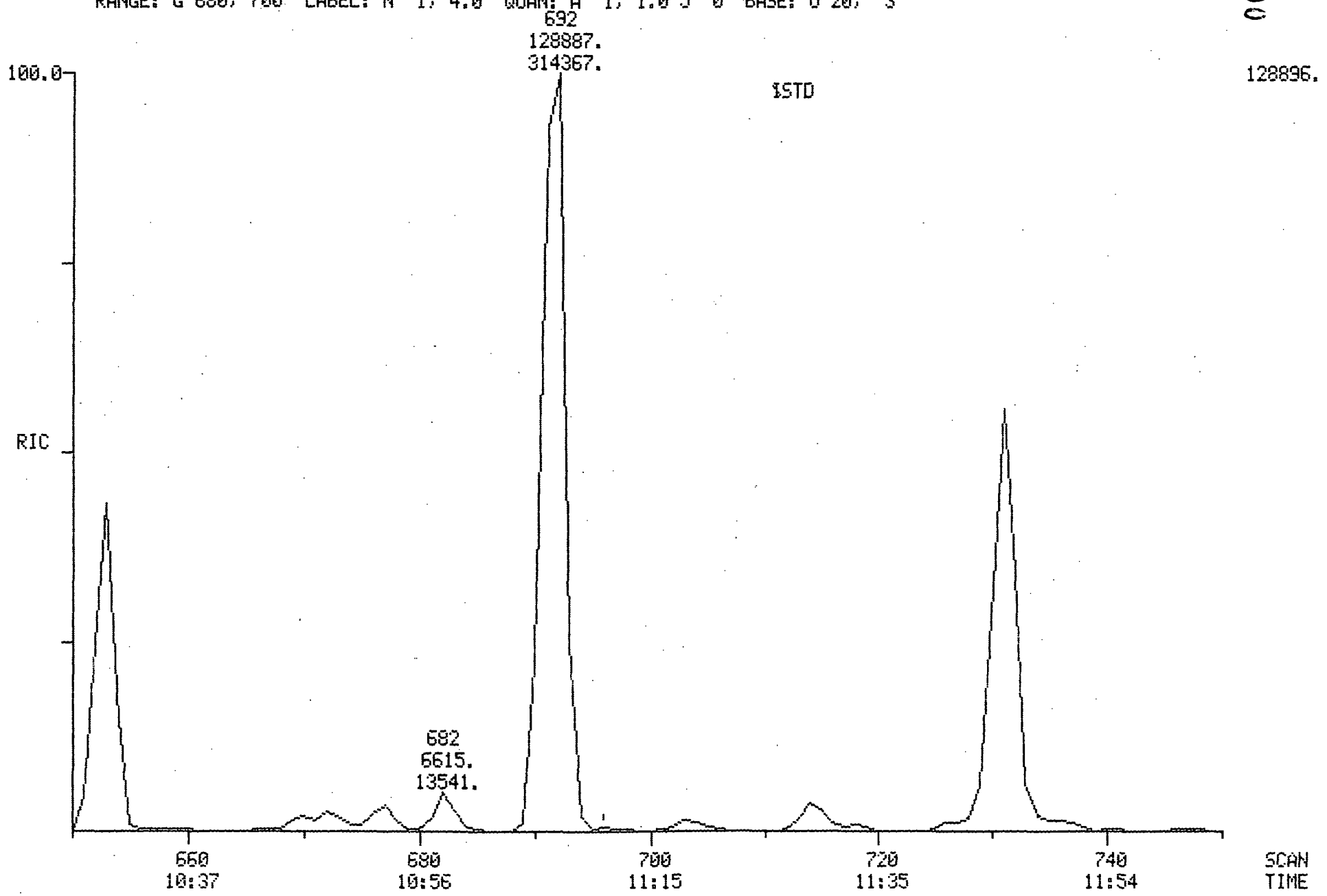
BASE M/Z: 149
RIC: 12767.

00800



MIDRIC
06/15/91 22:18:00
SAMPLE: S9 91-13593
CONDS.: MS-B CASE: EDH0022
RANGE: G 680, 700 LABEL: N 1, 4.0 QUAN: A 1, 1.0 J 0 BASE: U 20, 3

DATA: AD31513593 #1 SCANS 650 TO 750
CALI: AD31513593 #2

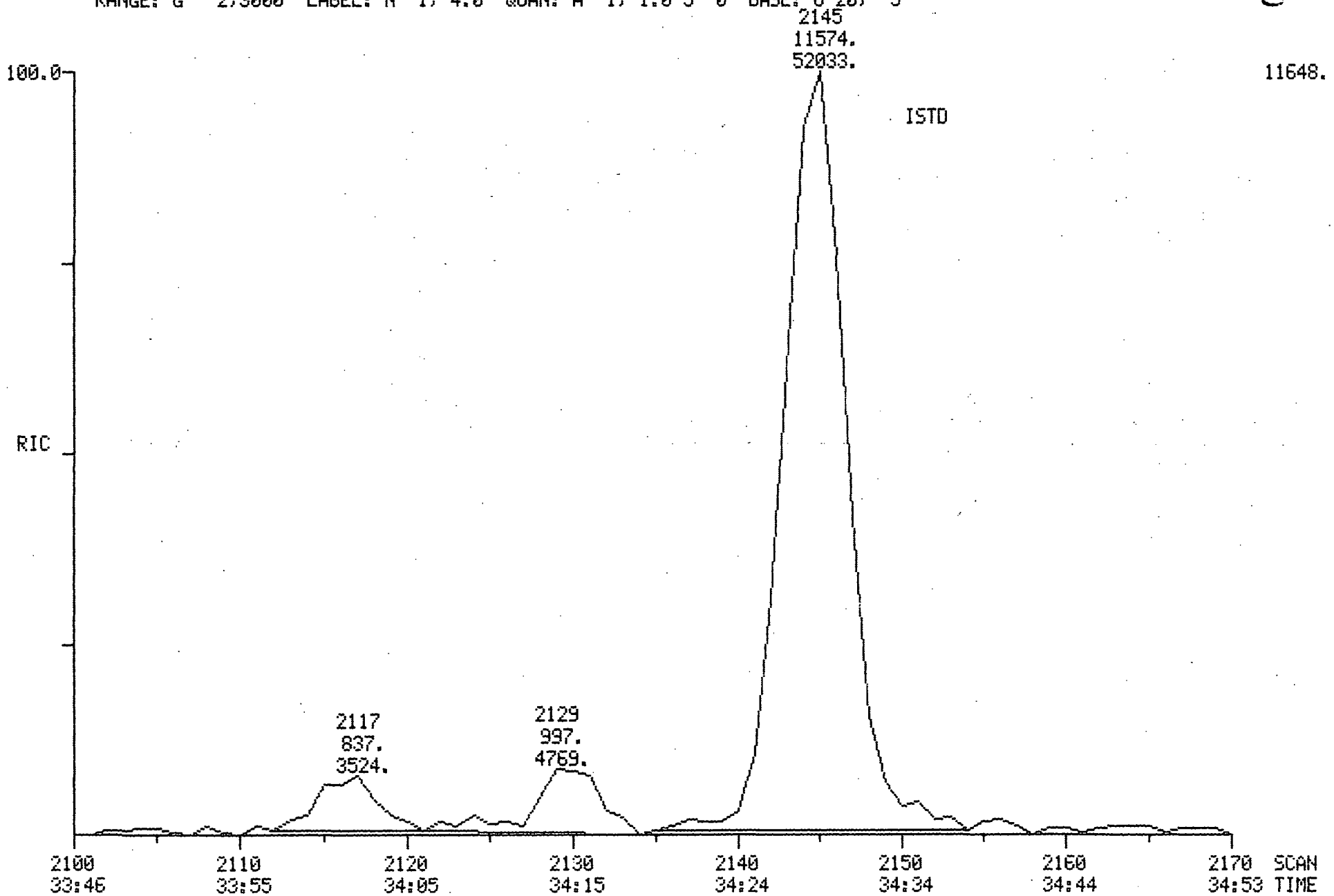


00810

MIDRIC
06/15/91 22:18:00
SAMPLE: S9 91-13593
CONDS.: MS-B CASE: EOH0022
RANGE: G 2,3000 LABEL: N 1, 4.0 QUAN: A 1, 1.0 J 0 BASE: U 20, 3

DATA: AD31513593 #1 SCANS 2100 TO 2170
CALI: AD31513593 #2

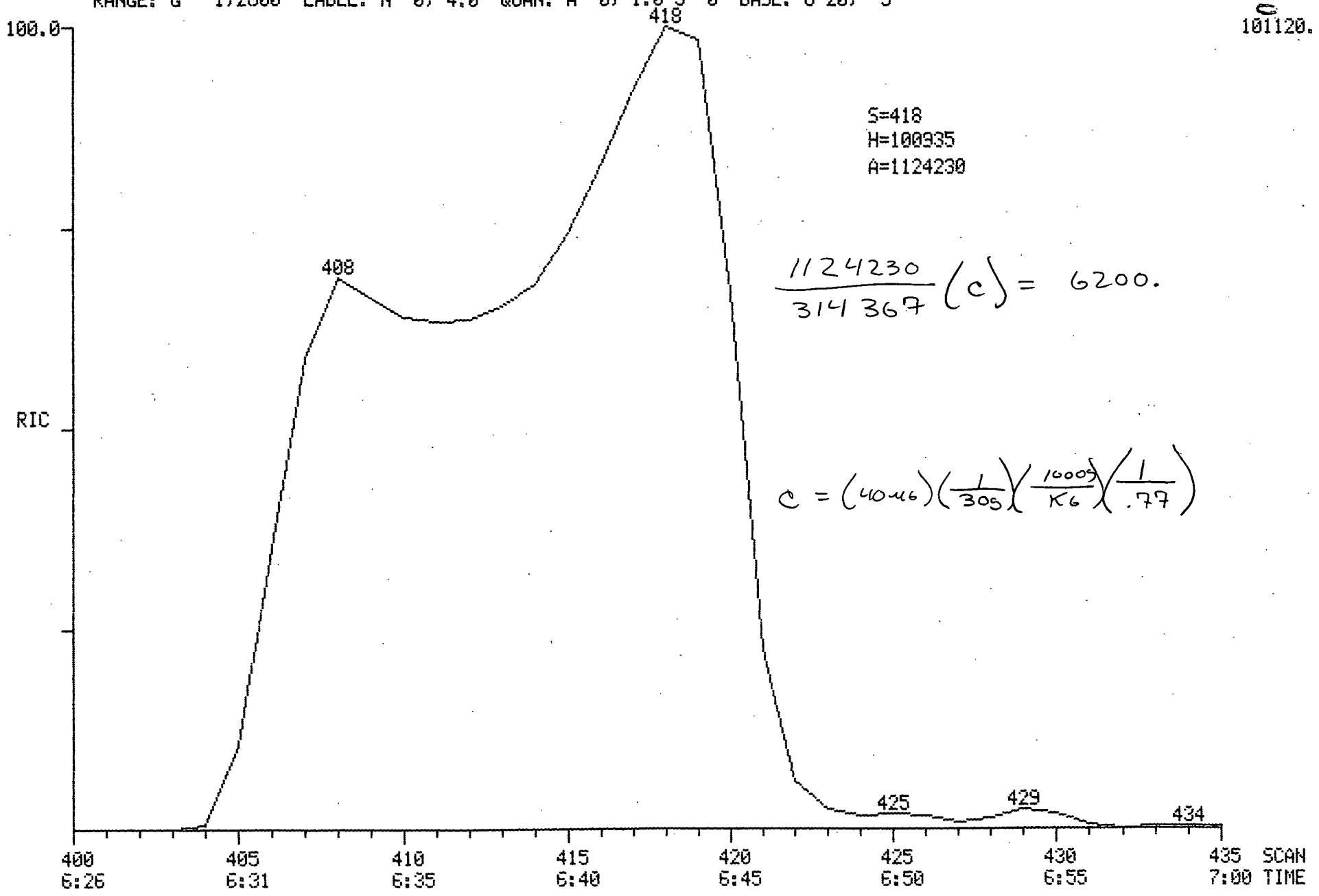
00811



MIDRIC
06/15/91 22:18:00
SAMPLE: S9 91-13593
CONDS.: MS-B CASE: EOH0022
RANGE: G 1,2800 LABEL: N 0, 4.0 QUAN: A 0, 1.0 J 0 BASE: U 20, 3

DATA: AD31513593 #1 SCANS 400 TO 435
CALI: AD31513593 #2

21800812
101120.



S=418
H=100935
A=1124230

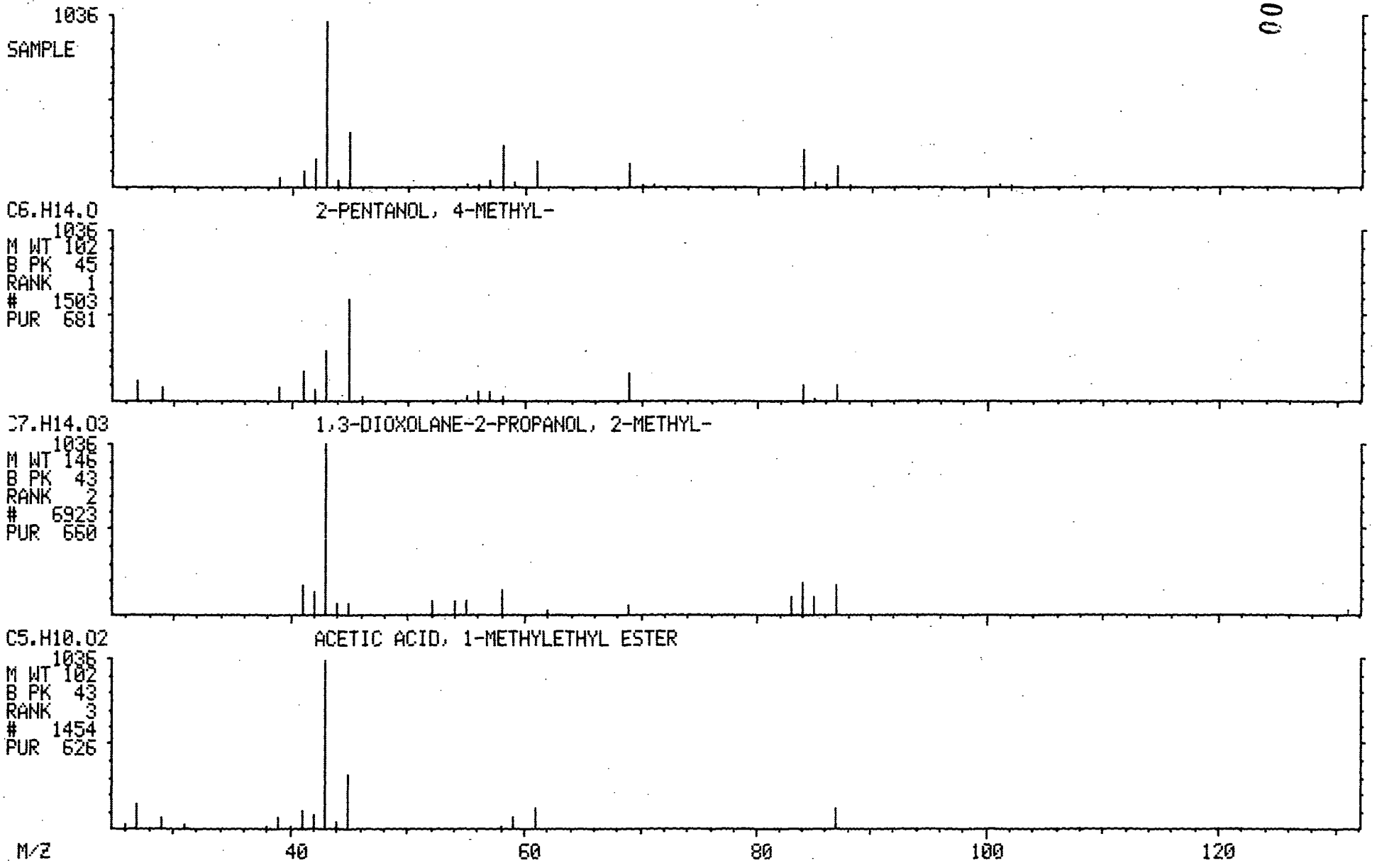
$$\frac{1124230}{314367}(c) = 6200.$$

$$c = (4046)\left(\frac{1}{305}\right)\left(\frac{1000g}{K6}\right)\left(\frac{1}{.77}\right)$$

MID LIBRARY SEARCH
06/15/91 22:18:00 + 6:43
SAMPLE: S9 91-13593
CONDS.: MS-B CASE: EOH0022
ENHANCED (S 15B 2N 0T)

DATA: AD31513593 # 418 BASE M/Z: 43
CALI: AD31513593 # 2 RIC: 67711.

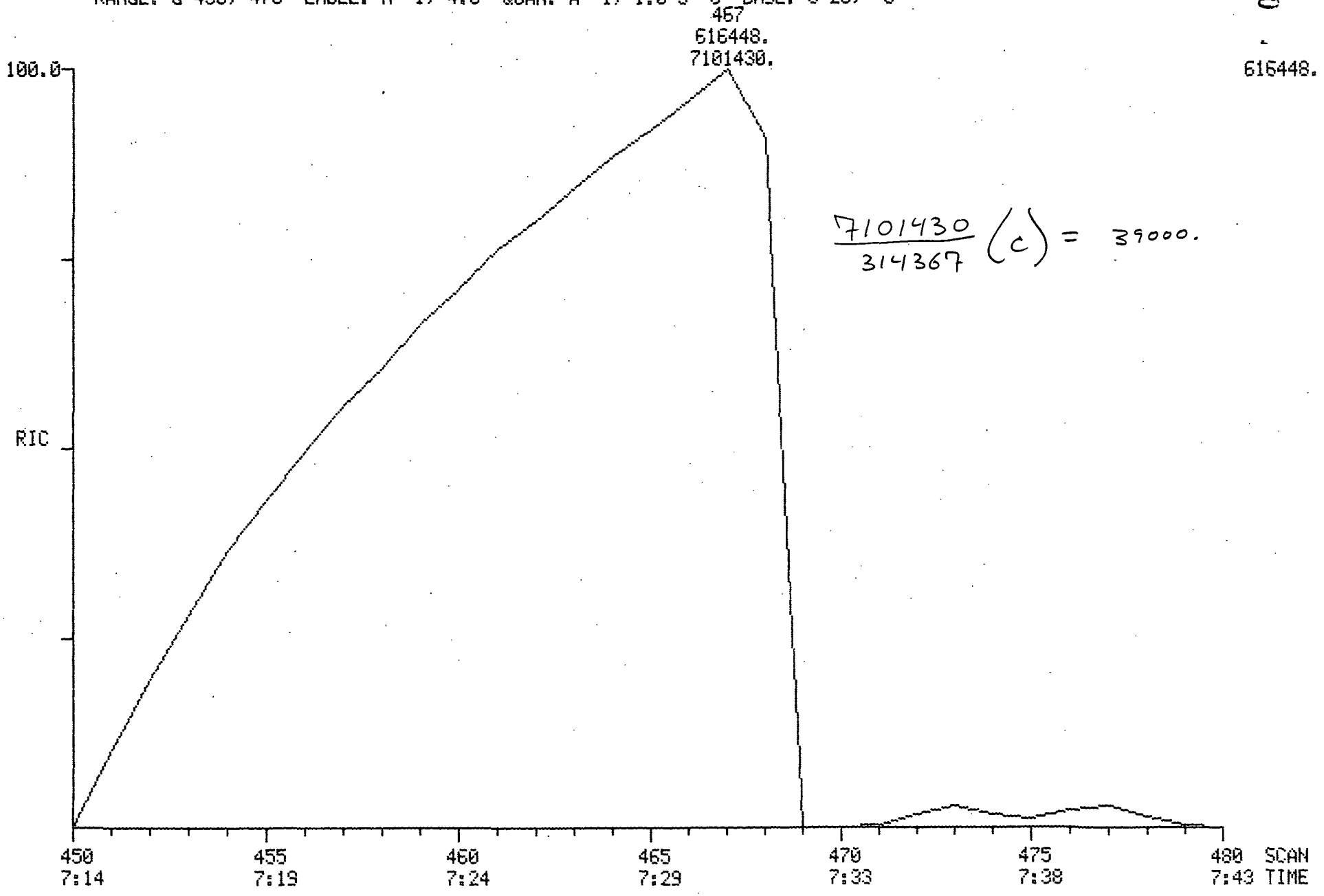
00813



MIDRIC
06/15/91 22:18:00
SAMPLE: S9 91-13593
CONDS.: MS-B CASE: EOH0022
RANGE: G 450, 470 LABEL: N 1, 4.0 QUAN: A 1, 1.0 J 0 BASE: U 20, 3

DATA: AD31513593 #1 SCANS 450 TO 480
CALI: AD31513593 #2

00814



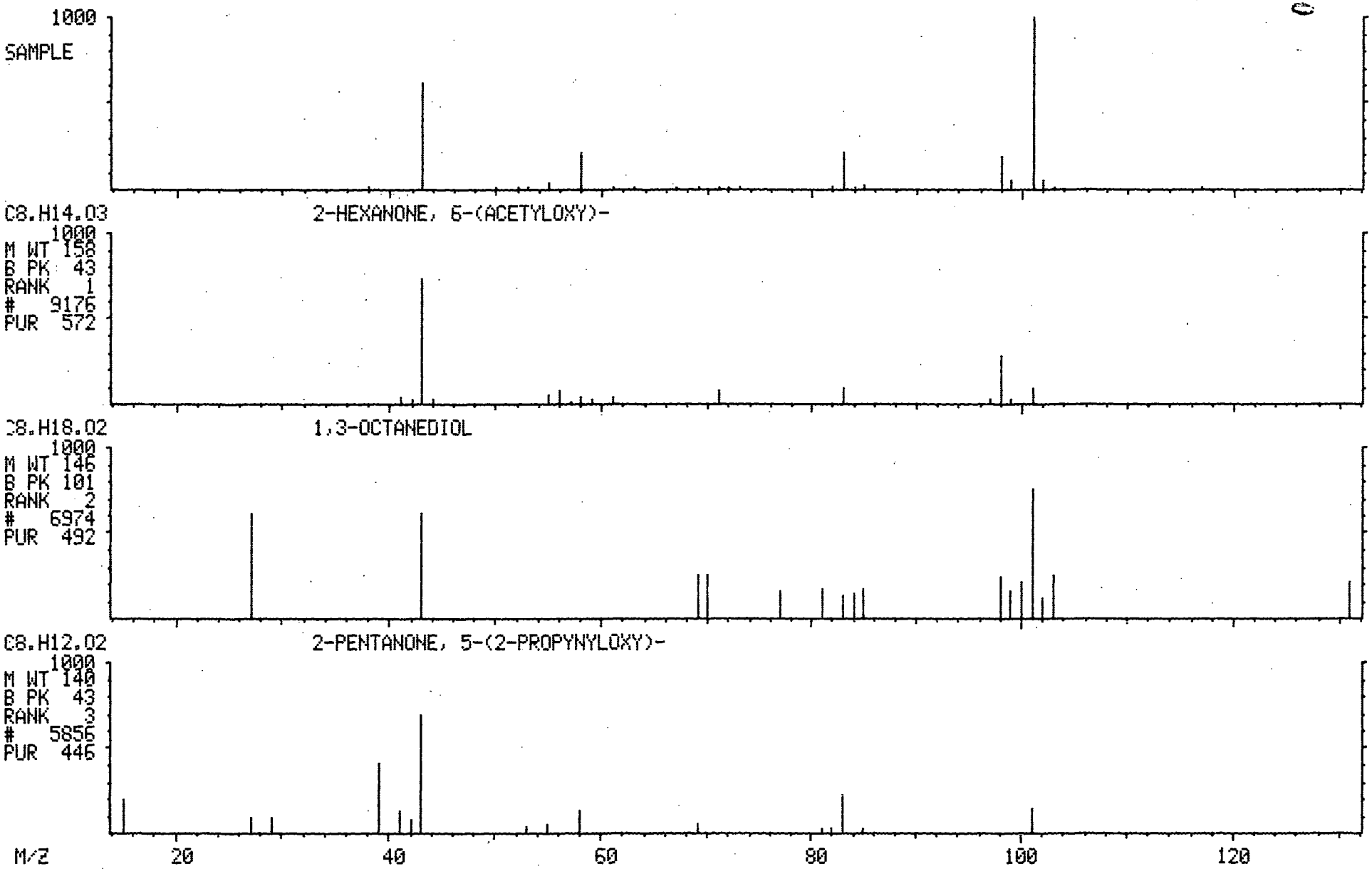
$\frac{7101430}{314367}(c) = 39000.$

MID LIBRARY SEARCH
06/15/91 22:18:00 + 7:30
SAMPLE: S9 91-13593
CONDS.: MS-B CASE: EOH0022
ENHANCED (S 15B 2N 0T)

DATA: AD31513593 # 467
CALI: AD31513593 # 2

BASE M/Z: 101
RIC: 174591.

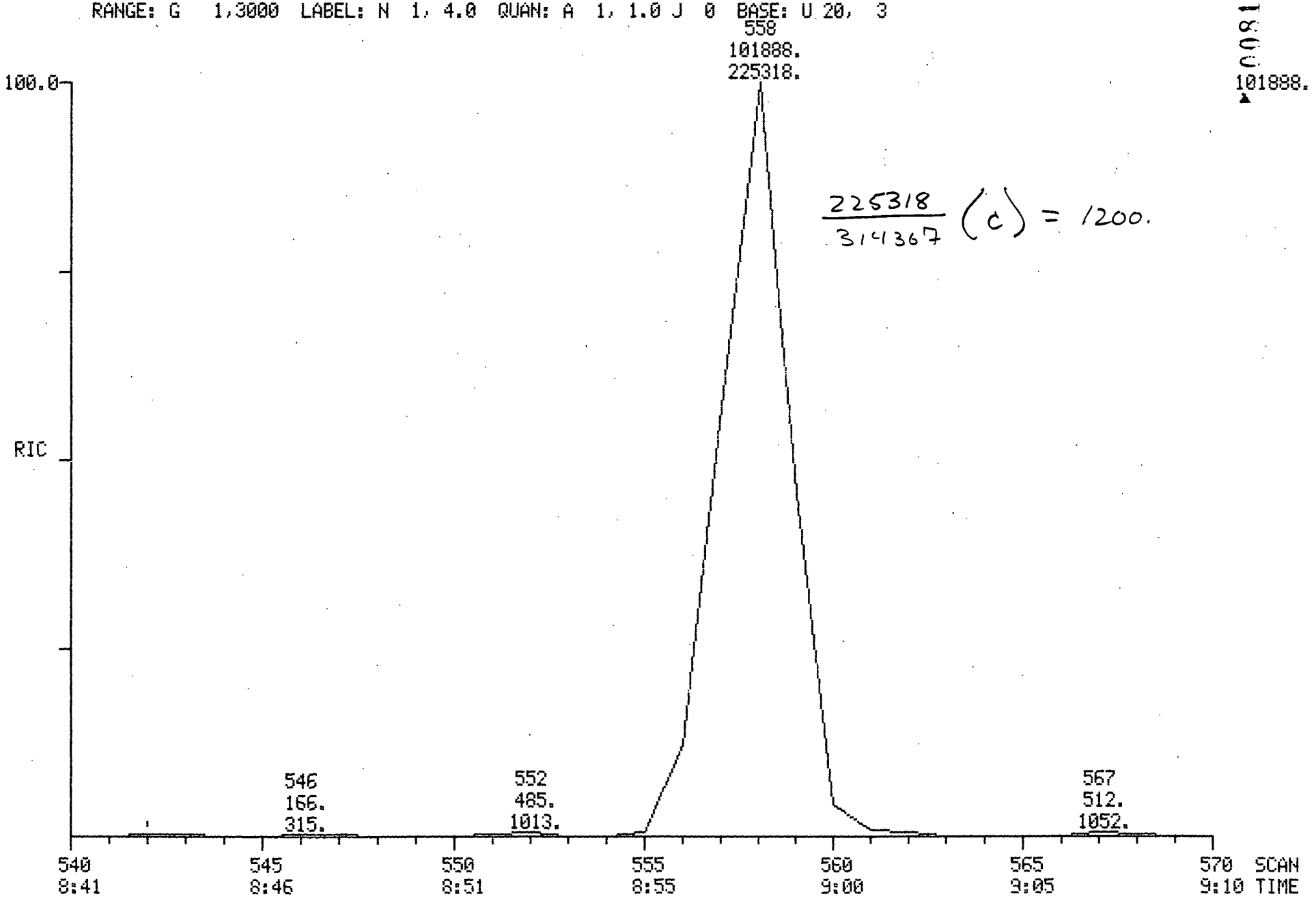
00815



MIDRIC
06/15/91 22:18:00
SAMPLE: S9 91-13593
CONDS.: MS-B CASE: EOH0022
RANGE: G 1,3000 LABEL: N 1, 4.0 QUAN: A 1, 1.0 J 0 BASE: U 20, 3

DATA: AD31S13593 #1
CALI: AD31S13593 #2

SCANS 540 TO 570



$\frac{225318}{314367}$ (c) = 1200.

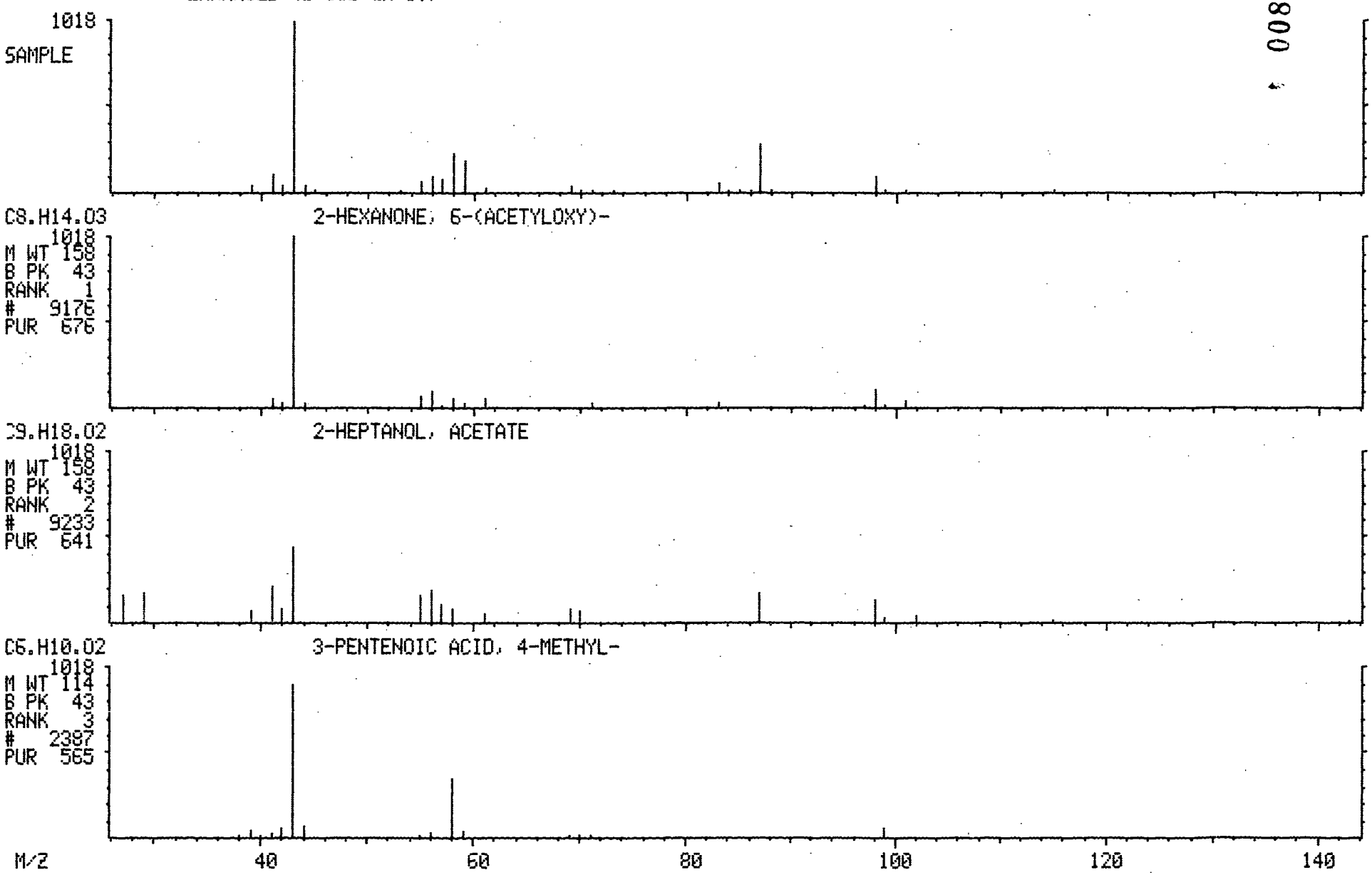
00816

MID LIBRARY SEARCH
06/15/91 22:18:00 + 8:58
SAMPLE: S9 91-13593
CONDS.: MS-B CASE: EOH0022
ENHANCED (S 15B 2N 0T)

DATA: AD31513593 # 558
CALI: AD31513593 # 2

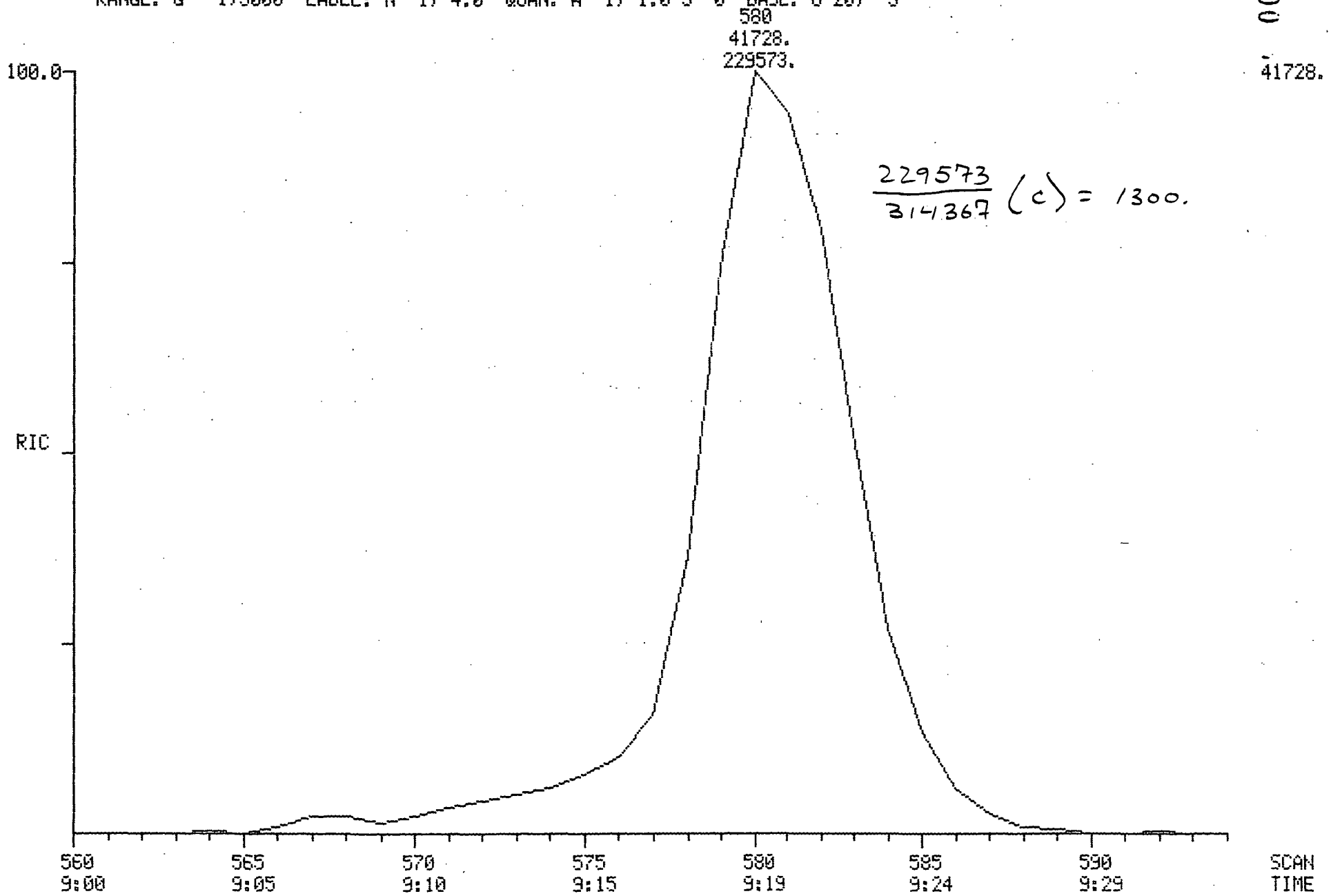
BASE M/Z: 43
RIC: 82815.

00817



MIDRIC
06/15/91 22:18:00
SAMPLE: S9 91-13593
CONDS.: MS-B CASE: EOH0022
RANGE: G 1,3000 LABEL: N 1, 4.0 QUAN: A 1, 1.0 J 0 BASE: U 20, 3

DATA: AD31513593 #1 SCANS 560 TO 594
CALI: AD31513593 #2



$\frac{229573}{314367}$ (c) = 1300.

41728.

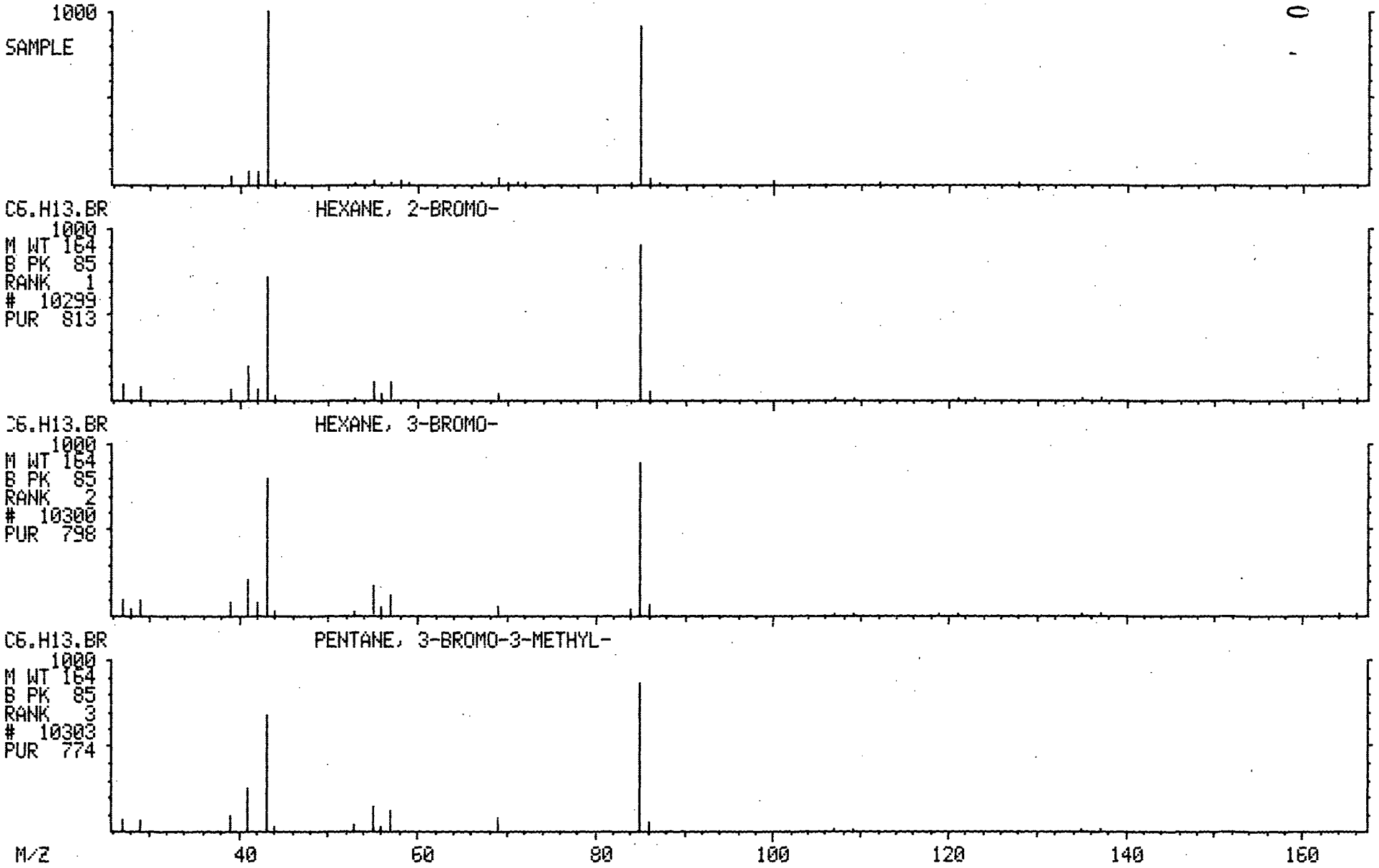
00818

MID LIBRARY SEARCH
06/15/91 22:18:00 + 9:19
SAMPLE: S9 91-13593
CONDS.: MS-B CASE: EOH0022
ENHANCED (S 15B 2N 0T)

DATA: AD31S13593 # 580
CALI: AD31S13593 # 2

BASE M/Z: 43
RIC: 37887.

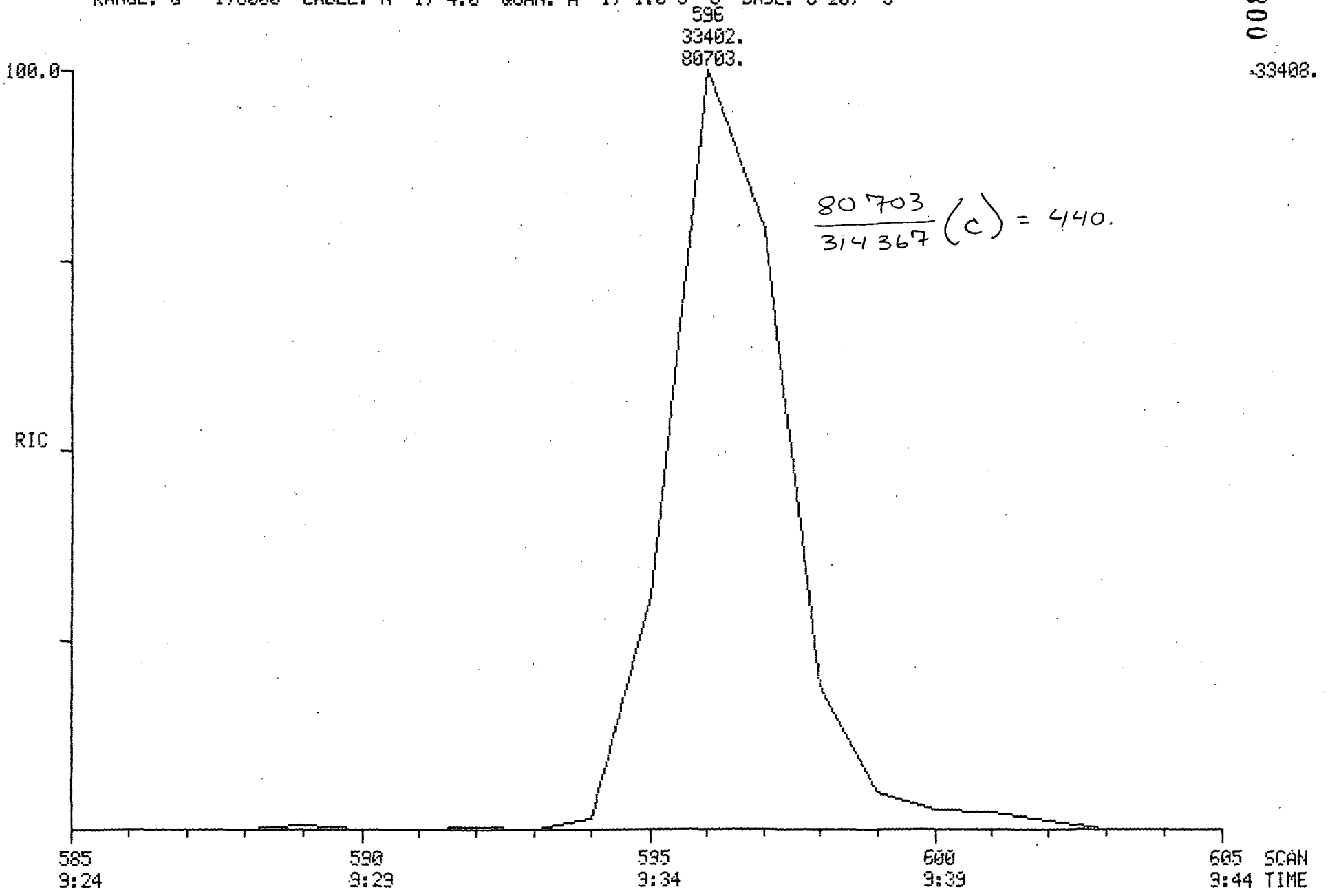
00819



MIDRIC
06/15/91 22:18:00
SAMPLE: S9 91-13593
CONDS.: MS-B CASE: EOH0022
RANGE: G 1,3000 LABEL: N 1, 4.0 QUAN: A 1, 1.0 J 0 BASE: U 20, 3

DATA: AD31513593 #1 SCANS 585 TO 605
CALI: AD31513593 #2

00820



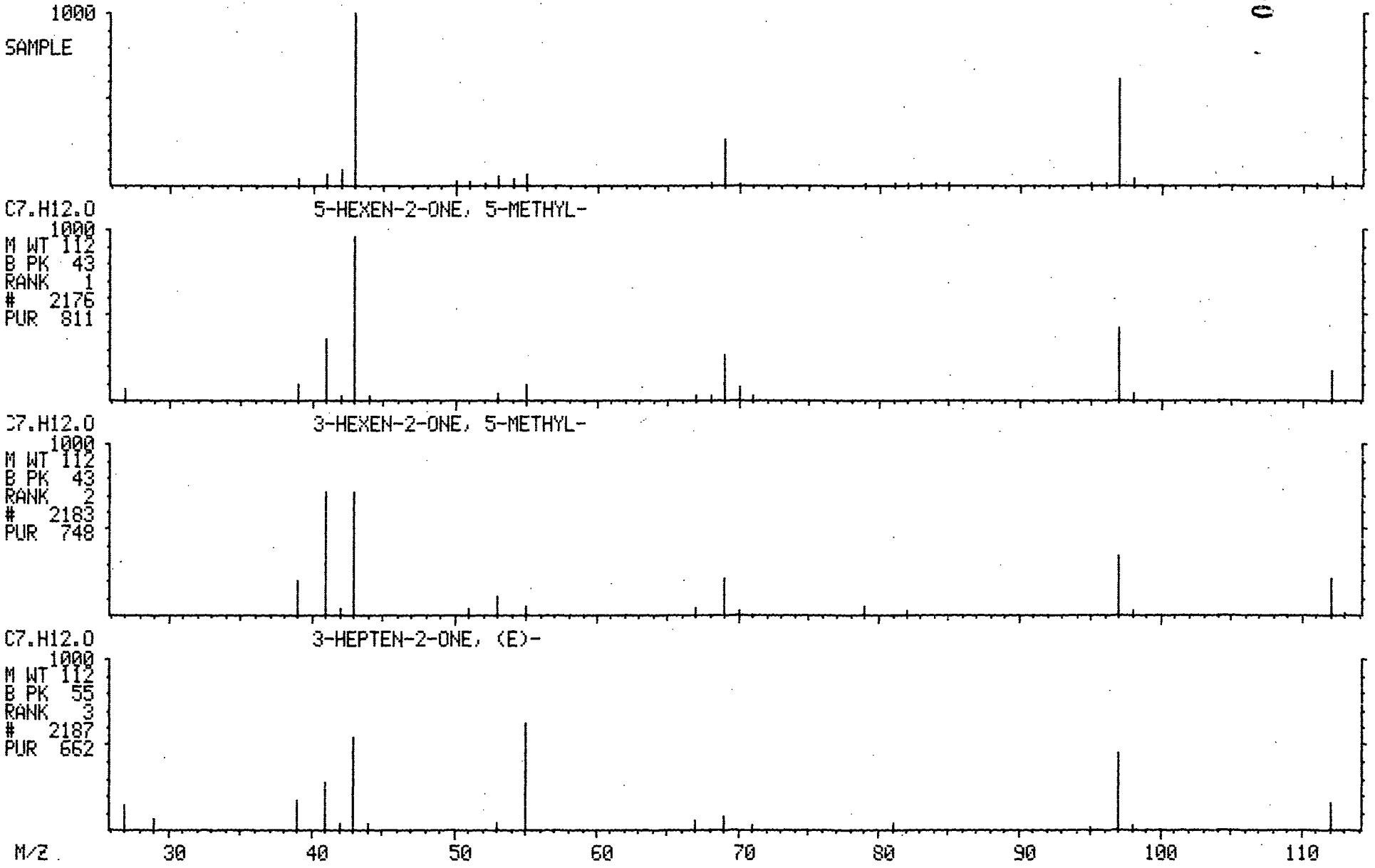
$\frac{80703}{314367}(c) = 440.$

MID LIBRARY SEARCH
06/15/91 22:18:00 + 9:36
SAMPLE: S9 91-13593
CONDS.: MS-B CASE: EOH0022
ENHANCED (S 15B 2N 0T)

DATA: AD31513593 # 597
CALI: AD31513593 # 2

BASE M/Z: 43
RIC: 24767.

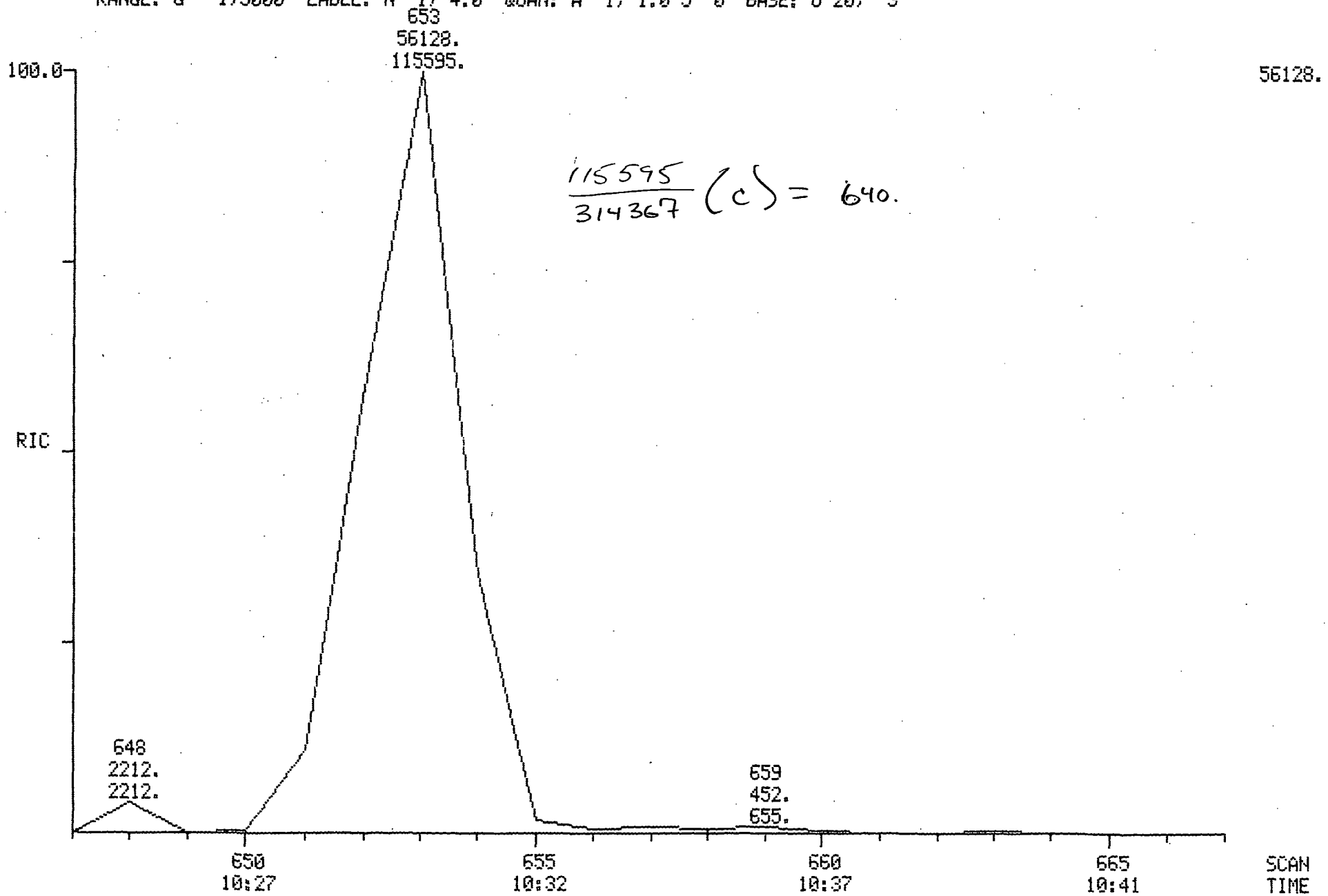
00821



MIDRIC
06/15/91 22:18:00
SAMPLE: S9 91-13593
CONDS.: MS-B CASE: EOH0022
RANGE: G 1,3000 LABEL: N 1, 4.0 QUAN: A 1, 1.0 J 0 BASE: U 20, 3

DATA: AD31513593 #1 SCANS 647 TO 667
CALI: AD31513593 #2

00822

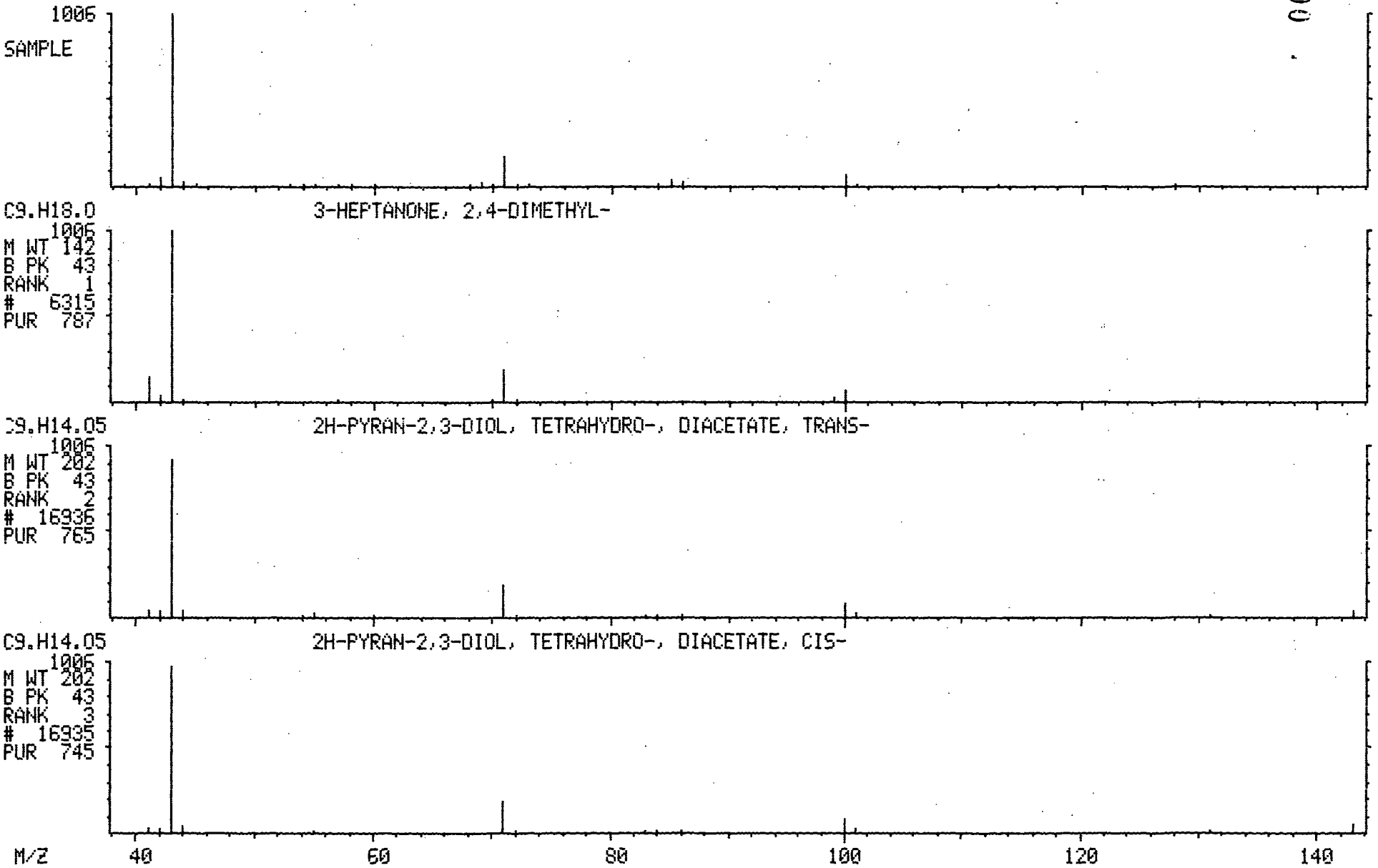


$\frac{115595}{314367}(c) = 640.$

MID LIBRARY SEARCH
06/15/91 22:18:00 + 10:30
SAMPLE: 59 91-13593
CONDS.: MS-B CASE: EOH0022
ENHANCED (S 15B 2N 0T)

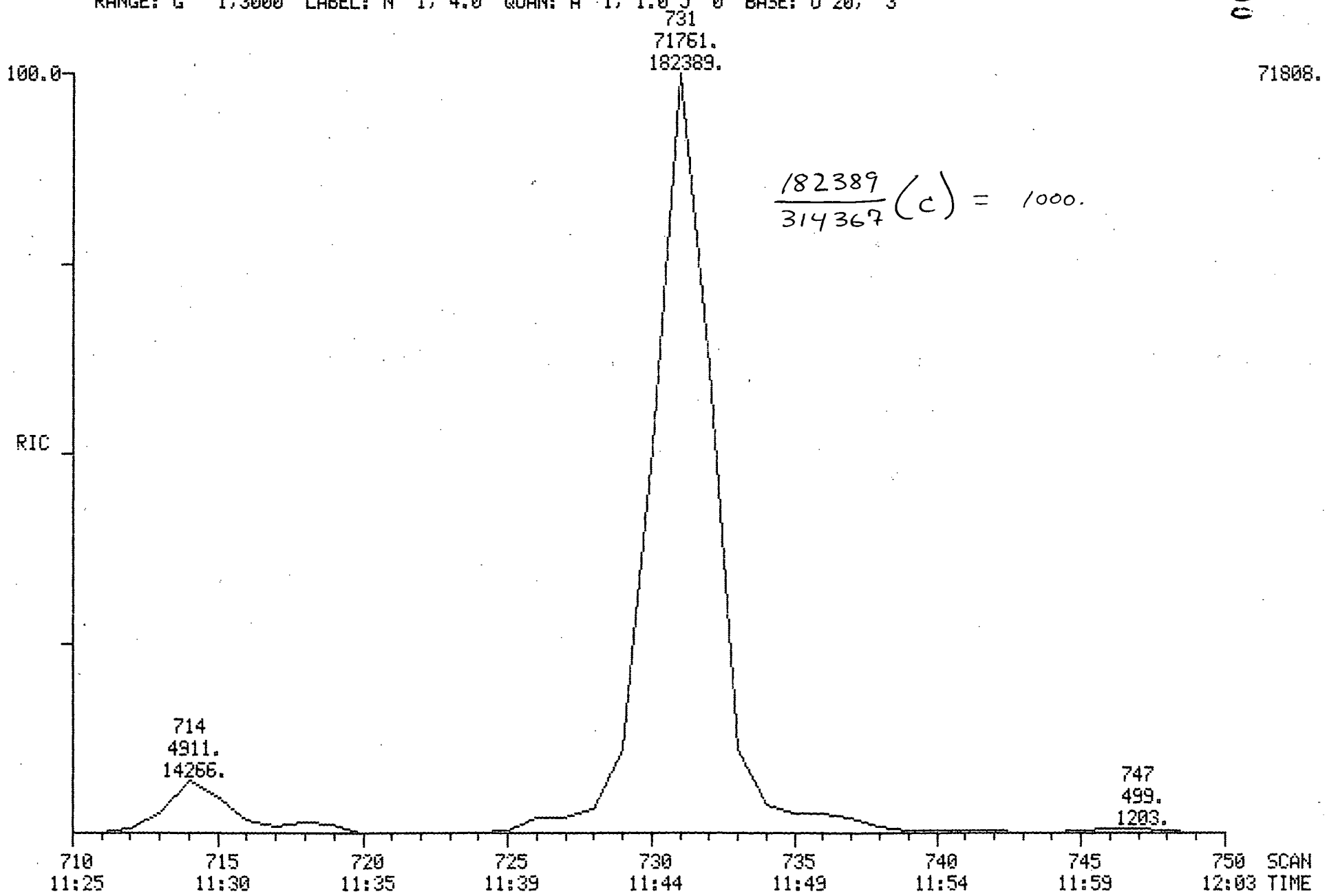
DATA: AD31S13593 # 653 BASE M/Z: 43
CALI: AD31S13593 # 2 RIC: 43839.

00823



MIDRIC
06/15/91 22:18:00
SAMPLE: S9 91-13593
CONDS.: MS-B CASE: EOH0022
RANGE: G 1,3000 LABEL: N 1, 4.0 QUAN: A 1, 1.0 J 0 BASE: U 20, 3

DATA: AD31513593 #1 SCANS 710 TO 750
CALI: AD31513593 #2

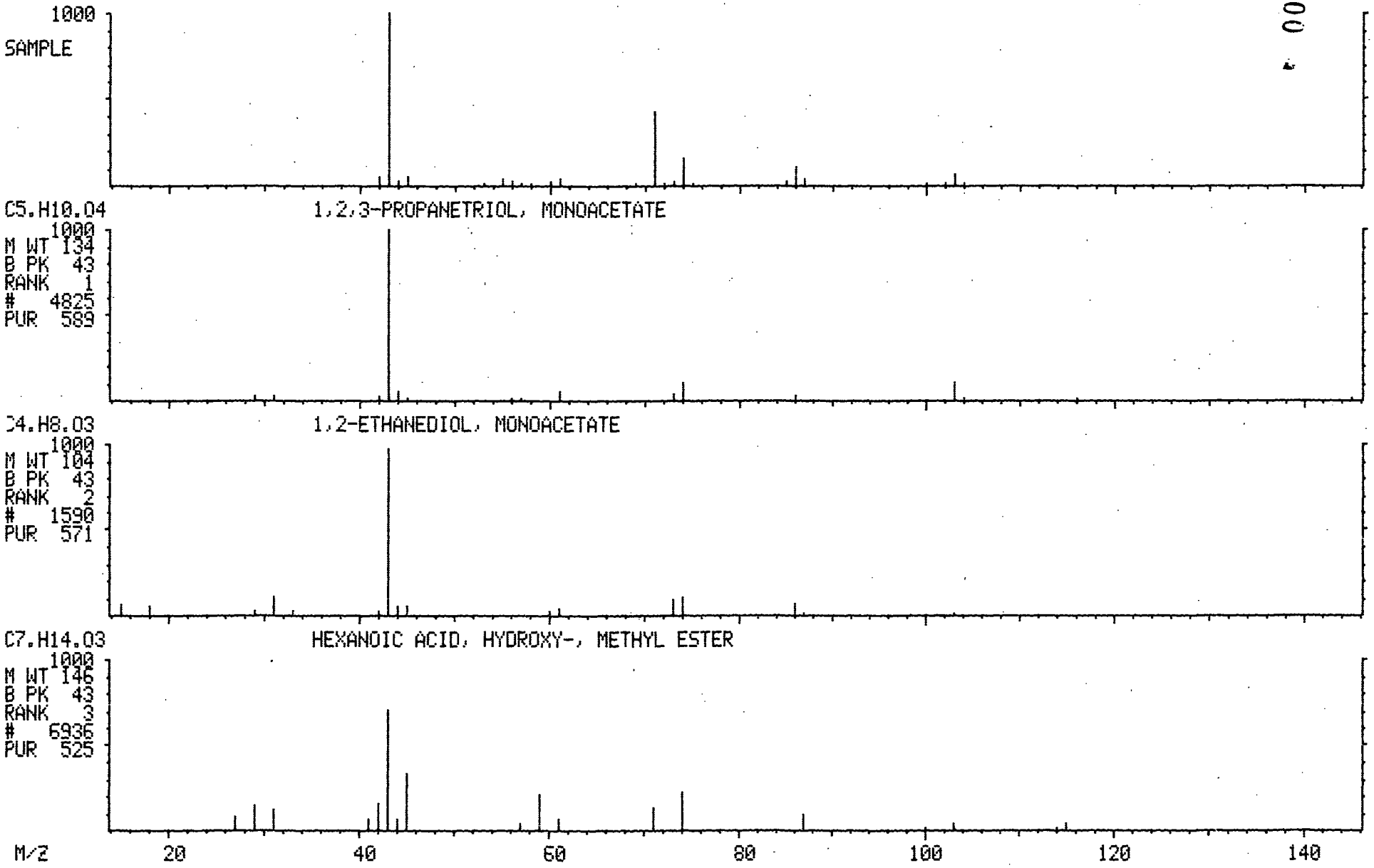


$\frac{182389}{314367}(c) = 1000.$

MID LIBRARY SEARCH
06/15/91 22:18:00 + 11:45
SAMPLE: S9 91-13593
CONDS.: MS-B CASE: EOH0022
ENHANCED (S 15B 2N 0T)

DATA: AD31513593 # 731 BASE M/Z: 43
CALI: AD31513593 # 2 RIC: 59455.

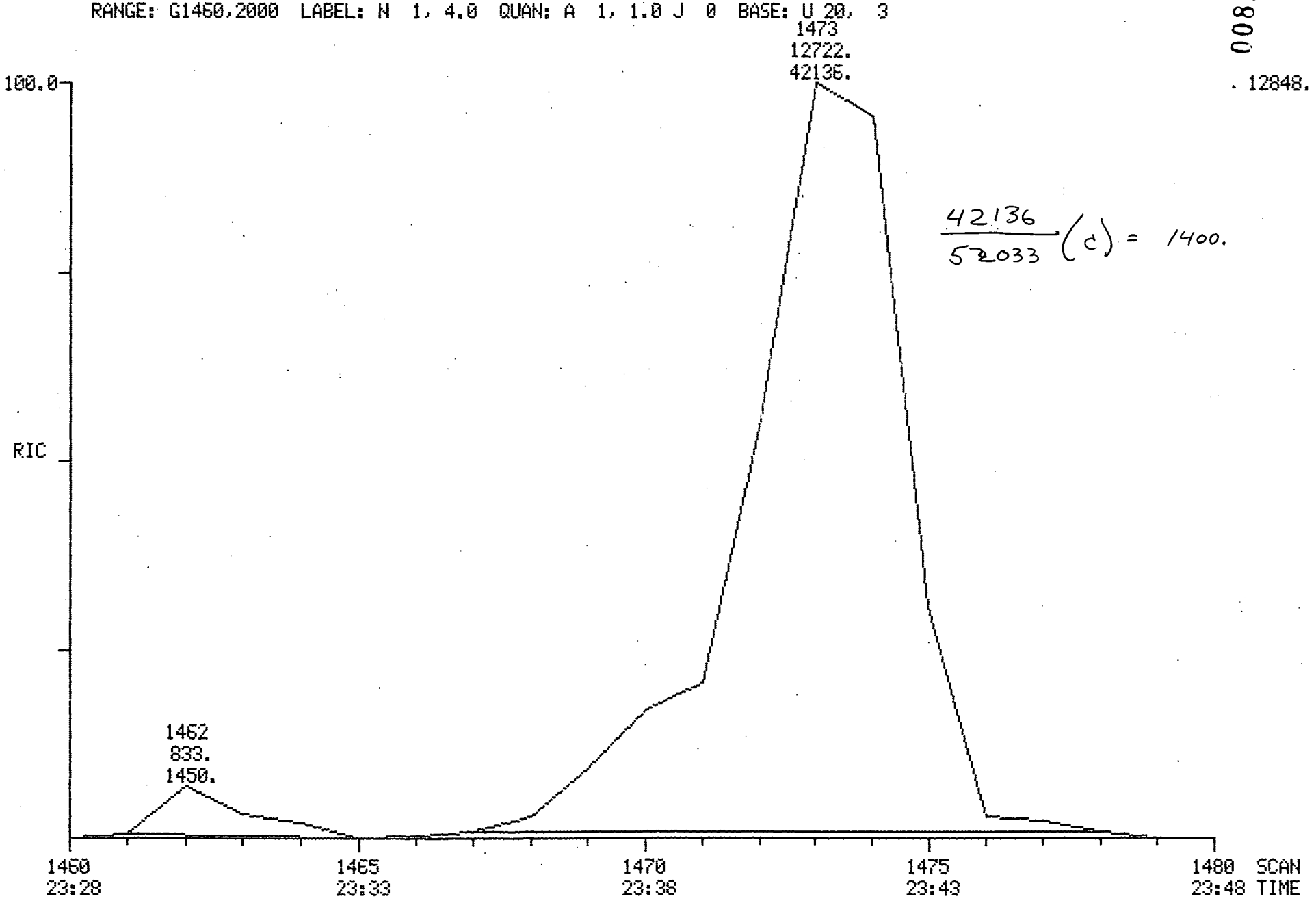
00825



MIDRIC
06/15/91 22:18:00
SAMPLE: S9 91-13593
CONDS.: MS-B CASE: EOH0022
RANGE: G1460,2000 LABEL: N 1, 4.0 QUAN: A 1, 1.0 J 0 BASE: U 20, 3

DATA: AD31513593 #1 SCANS 1460 TO 1480
CALI: AD31513593 #2

00826



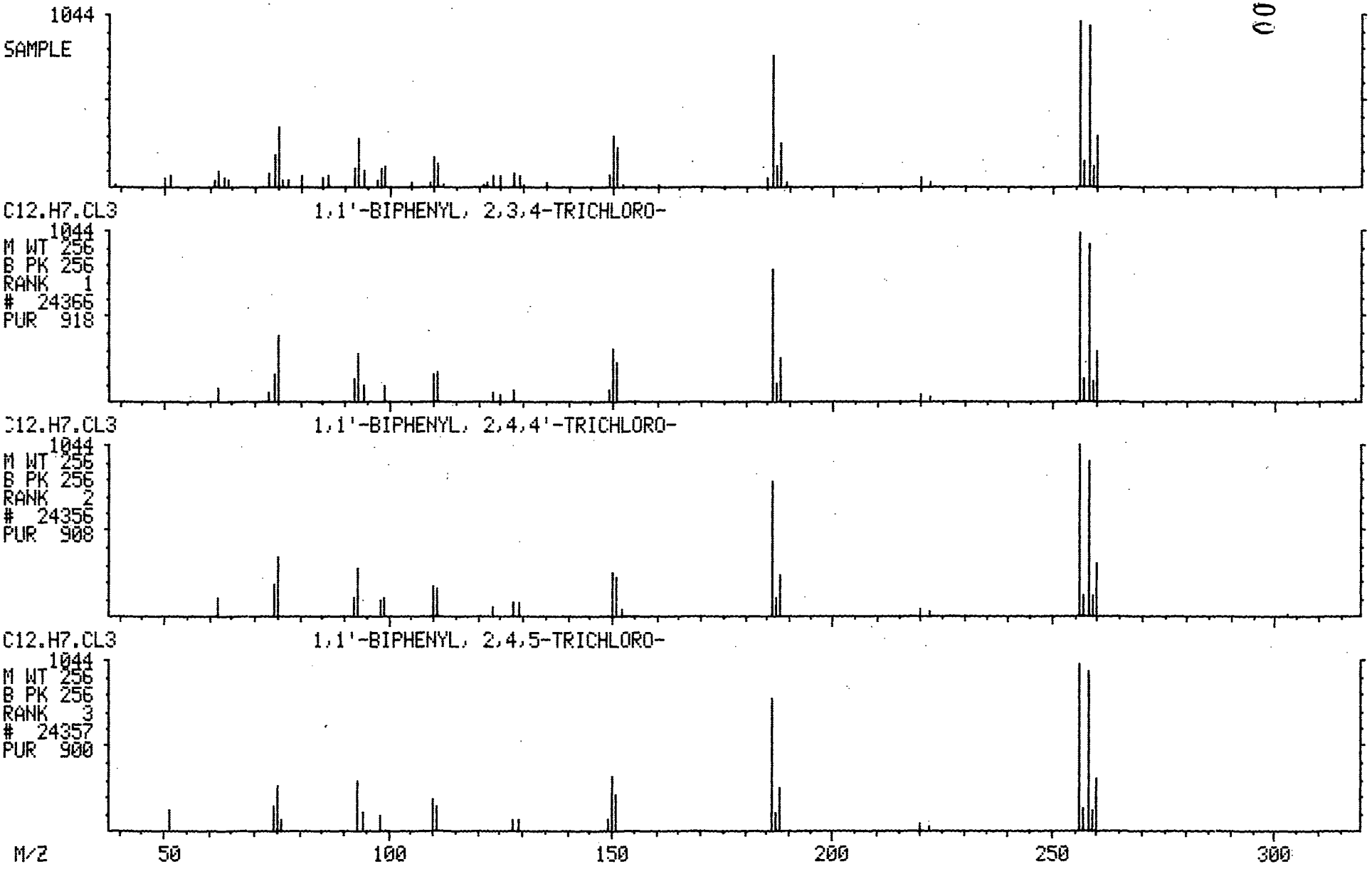
$\frac{42136}{52033}$ (c) = 1400.

MID LIBRARY SEARCH
06/15/91 22:18:00 + 23:41
SAMPLE: S9 91-13593
CONDS.: MS-B CASE: EOH0022
ENHANCED (S 15B 2N 0T)

DATA: AD31513593 #1473
CALI: AD31513593 # 2

BASE M/Z: 256
RIC: 12127.

00827

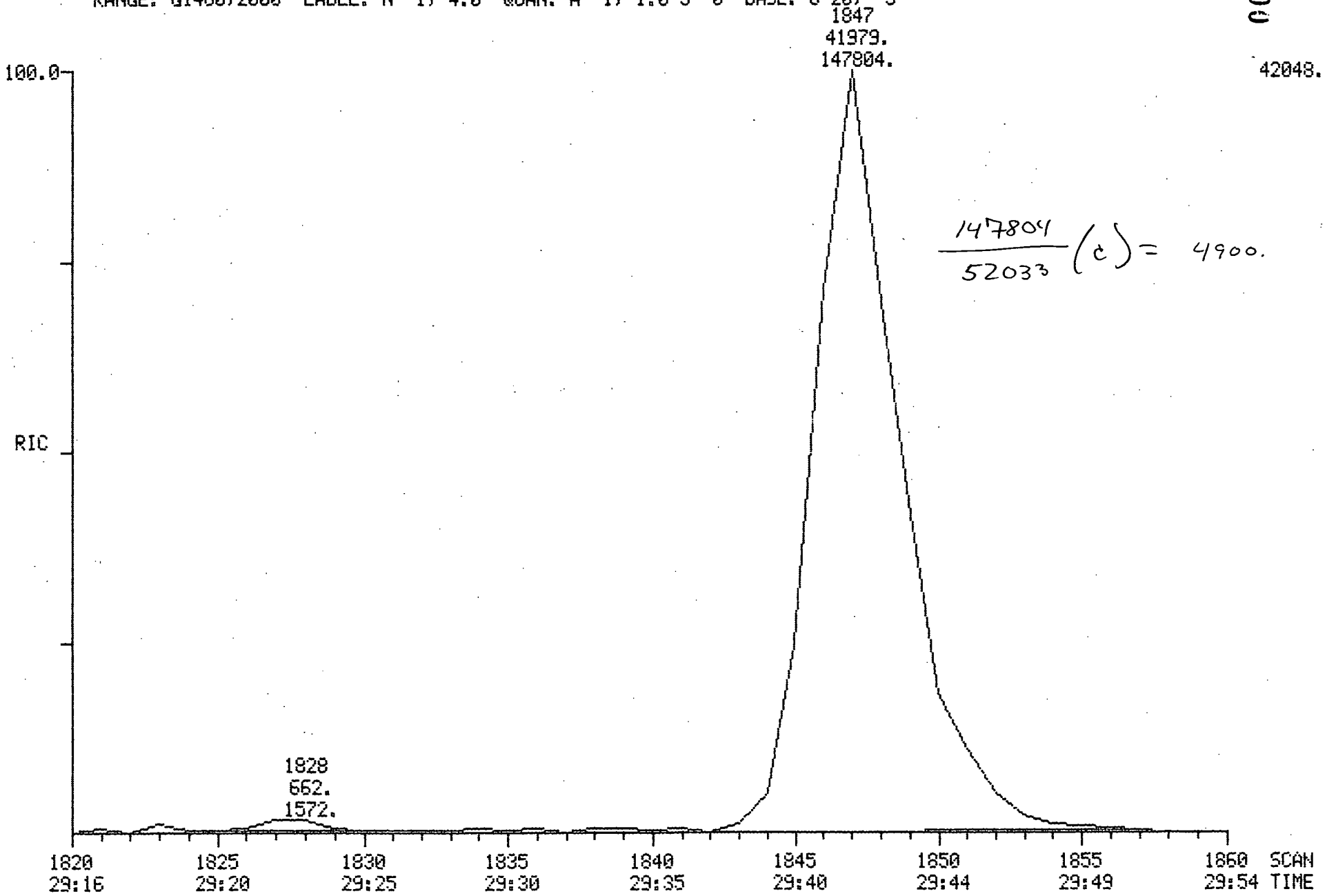


MIDRIC
06/15/91 22:18:00
SAMPLE: S9 91-13593
CONDS.: MS-B CASE: EOH0022
RANGE: G1460,2000 LABEL: N 1, 4.0 QUAN: A 1, 1.0 J 0 BASE: U 20, 3

DATA: AD31513593 #1
CALI: AD31513593 #2

SCANS 1820 TO 1860

00828



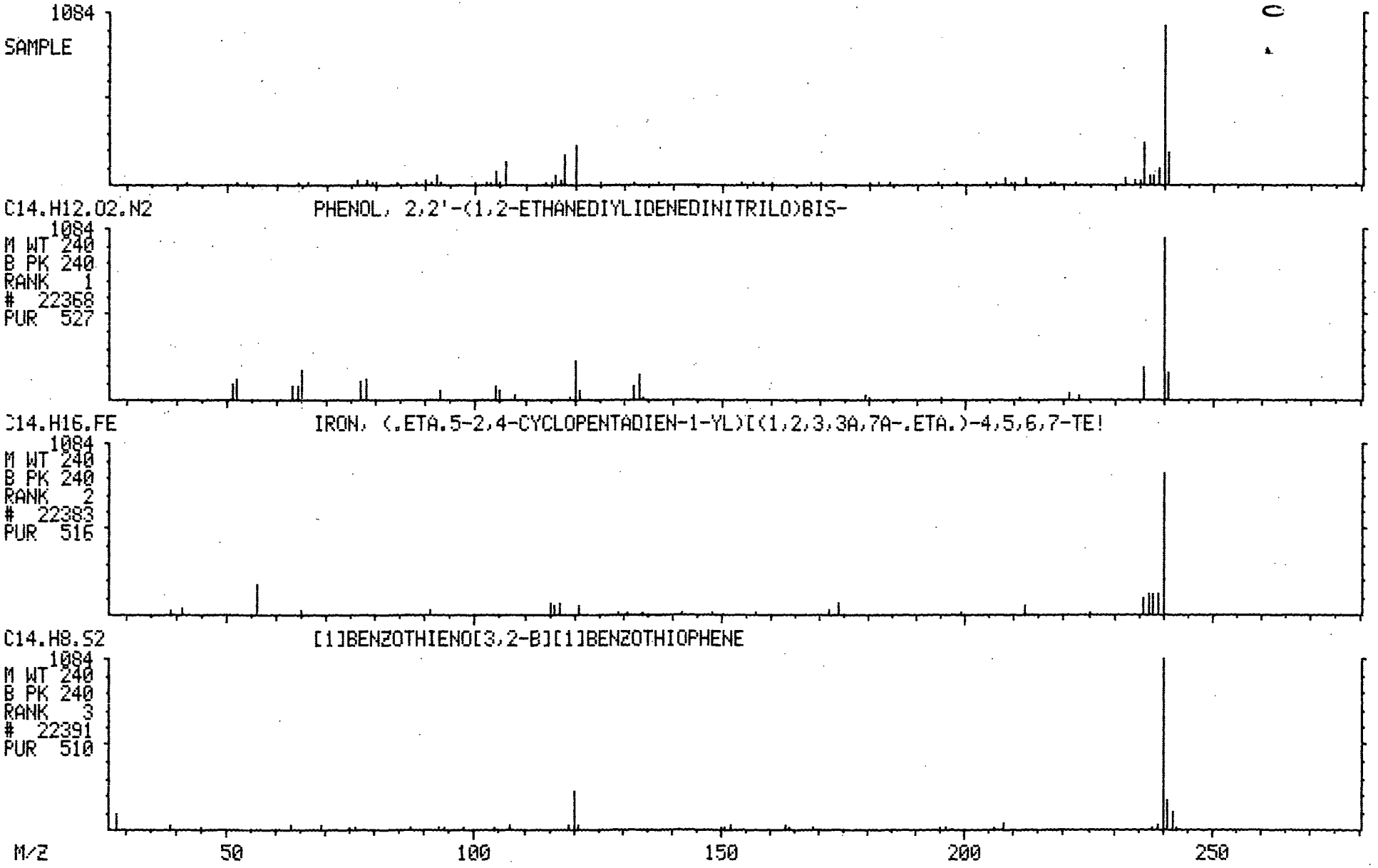
$\frac{147804}{52033}(c) = 4900.$

MID LIBRARY SEARCH
06/15/91 22:18:00 + 29:42
SAMPLE: S9 91-13593
CONDS.: MS-B CASE: EOH0022
ENHANCED (S 15B 2N 0T)

DATA: AD31513593 #1847
CALI: AD31513593 # 2

BASE M/Z: 240
RIC: 31743.

62800



1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S10

Lab Name: DATACHEM LABS Contract: 19005

Lab Code: DATAC Case No.: E0H002 SAS No.: _____ SDG No.: 13585

Matrix: (soil/water) SOIL Lab Sample ID: 91-13594

Sample wt/vol: 30 (g/mL) G Lab File ID: AD18S13594

Level: (low/med) LOW Date Received: 06/07/91

% Moisture: not dec. _____ dec. 9 Date Extracted: 06/14/91

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 06/14/91

GPC Cleanup: (Y/N) N pH: 5.0 Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	360.	u
111-44-4	bis(2-Chloroethyl)ether	360.	u
95-57-8	2-Chlorophenol	360.	u
541-73-1	1,3-Dichlorobenzene	360.	u
106-46-7	1,4-Dichlorobenzene	360.	u
100-51-6	Benzyl alcohol	360.	u
95-50-1	1,2-Dichlorobenzene	360.	u
95-48-7	2-Methylphenol	360.	u
108-60-1	bis(2-Chloroisopropyl)ether	360.	u
106-44-5	4-Methylphenol	360.	u
621-64-7	N-Nitroso-di-n-propylamine	360.	u
67-72-1	Hexachloroethane	360.	u
98-95-3	Nitrobenzene	360.	u
78-59-1	Isophorone	360.	u
88-75-5	2-Nitrophenol	360.	u
105-67-9	2,4-Dimethylphenol	360.	u
65-85-0	Benzoic acid	1800.	u
111-91-1	bis(2-Chloroethoxy)methane	360.	u
120-83-2	2,4-Dichlorophenol	360.	u
120-82-1	1,2,4-Trichlorobenzene	360.	u
91-20-3	Naphthalene	360.	u
106-47-8	4-Chloroaniline	360.	u
87-68-3	Hexachlorobutadiene	360.	u
59-50-7	4-Chloro-3-methylphenol	360.	u
91-57-6	2-Methylnaphthalene	360.	u
77-47-4	Hexachlorocyclopentadiene	360.	u
88-06-2	2,4,6-Trichlorophenol	360.	u
95-95-4	2,4,5-Trichlorophenol	1800.	u
91-58-7	2-Chloronaphthalene	360.	u
88-74-4	2-Nitroaniline	1800.	u
131-11-3	Dimethylphthalate	360.	u
208-96-8	Acenaphthylene	360.	u
606-20-2	2,6-Dinitrotoluene	360.	u

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S10

Lab Name: DATACHEM LABS Contract: 19005

Lab Code: DATAC Case No.: EOH0022 SAS No.: _____ SDG No.: 13585

Matrix: (soil/water) SOIL Lab Sample ID: 91-13594

Sample wt/vol: 30 (g/mL) G Lab File ID: AD18S13594

Level: (low/med) LOW Date Received: 06/07/91

% Moisture: not dec. _____ dec. 9. Date Extracted: 06/14/91

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 06/14/91

GPC Cleanup: (Y/N) N pH: 5.0 Dilution Factor: 1.0

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

CAS NO.	COMPOUND		Q
99-09-2	3-Nitroaniline	1800.	u
83-32-9	Acenaphthene	360.	u
51-28-5	2,4-Dinitrophenol	1800.	u
100-02-7	4-Nitrophenol	1800.	u
132-64-9	Dibenzofuran	360.	u
121-14-2	2,4-Dinitrotoluene	360.	u
84-66-2	Diethylphthalate	360.	u
7005-72-3	4-Chlorophenyl-phenylether	360.	u
86-73-7	Fluorene	360.	u
100-01-6	4-Nitroaniline	1800.	u
534-52-1	4,6-Dinitro-2-methylphenol	1800.	u
86-30-6	N-Nitrosodiphenylamine (1)	360.	u
101-55-3	4-Bromophenyl-phenylether	360.	u
118-74-1	Hexachlorobenzene	360.	u
87-86-5	Pentachlorophenol	1800.	u
85-01-8	Phenanthrene	52.	J
120-12-7	Anthracene	360.	u
84-74-2	Di-n-butylphthalate	360.	u
206-44-0	Fluoranthene	86.	J
129-00-0	Pyrene	100.	J
85-68-7	Butylbenzylphthalate	360.	u
91-94-1	3,3'-Dichlorobenzidine	730.	u
56-55-3	Benzo(a)anthracene	360.	u
218-01-9	Chrysene	360.	u
117-81-7	bis(2-Ethylhexyl)phthalate	160.	JB
117-84-0	Di-n-octylphthalate	360.	u
205-99-2	Benzo(b)fluoranthene	360.	u
207-08-9	Benzo(k)fluoranthene	360.	u
50-32-8	Benzo(a)pyrene	360.	u
193-39-5	Indeno(1,2,3-cd)pyrene	360.	u
53-70-3	Dibenz(a,h)anthracene	360.	u
191-24-2	Benzo(g,h,i)perylene	360.	u

(1) - Cannot be separated from Diphenylamine

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

S10

Lab Name: DATACHEM LABS Contract: 19005

Lab Code: DATAC Case No.: E040022 SAS No.: _____ SDG No.: 13585

Matrix: (soil/water) SOIL Lab Sample ID: 91-13594

Sample wt/vol: 30 (g/mL) G Lab File ID: AD18S13594

Level: (low/med) LOW Date Received: 06/07/91

% Moisture: not dec. _____ dec. 9. Date Extracted: 06/14/91

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 06/14/91

GPC Cleanup: (Y/N) N pH: 5.0 Dilution Factor: 1.0

Number TICs found: 6

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.		ALDOL CONDENSATION PRODUCT	6:41	5700.	AJB
2.		ALDOL CONDENSATION PRODUCT	7:29	91000.	AJB
3.		ALDOL CONDENSATION PRODUCT	8:57	1000.	AJB
4.		ALDOL CONDENSATION PRODUCT	9:18	810.	AJ
5.		ALDOL CONDENSATION PRODUCT	11:44	760.	AJ
6.		UNKNOWN PNA	29:41	2900.	J
7.					
8.					
9.					
10.					
11.					
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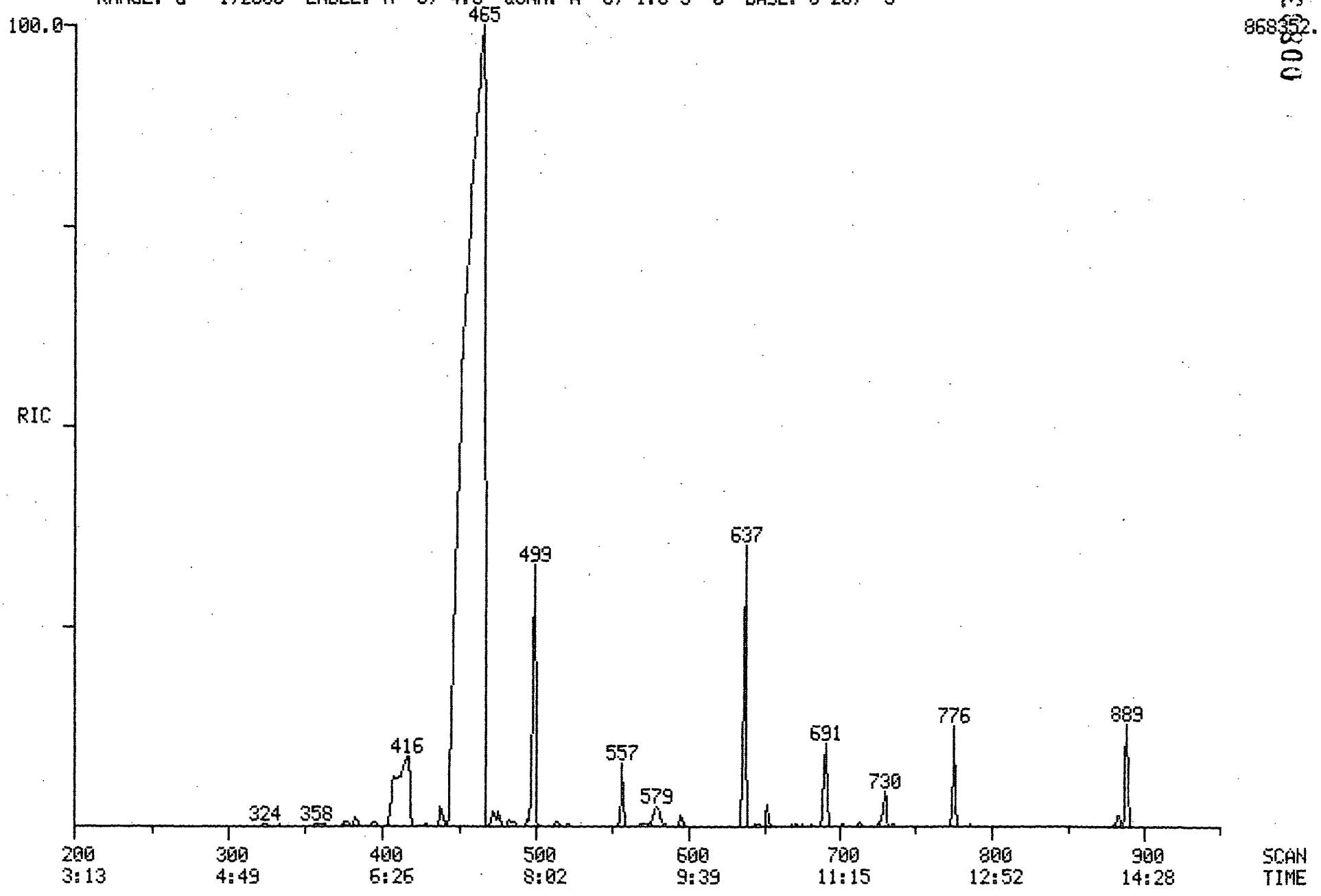
30.					

MIDRIC
06/14/91 21:22:00
SAMPLE: S10 91-13594
CONDS.: MS-B CASE: EOH0022
RANGE: G 1,2800 LABEL: N 0, 4.0 QUAN: A 0, 1.0 J 0 BASE: U 20, 3

DATA: AD18S13594 #1 SCANS 200 TO 950
CALI: AD18S13594 #2

T.J. Masocar
6·17·91

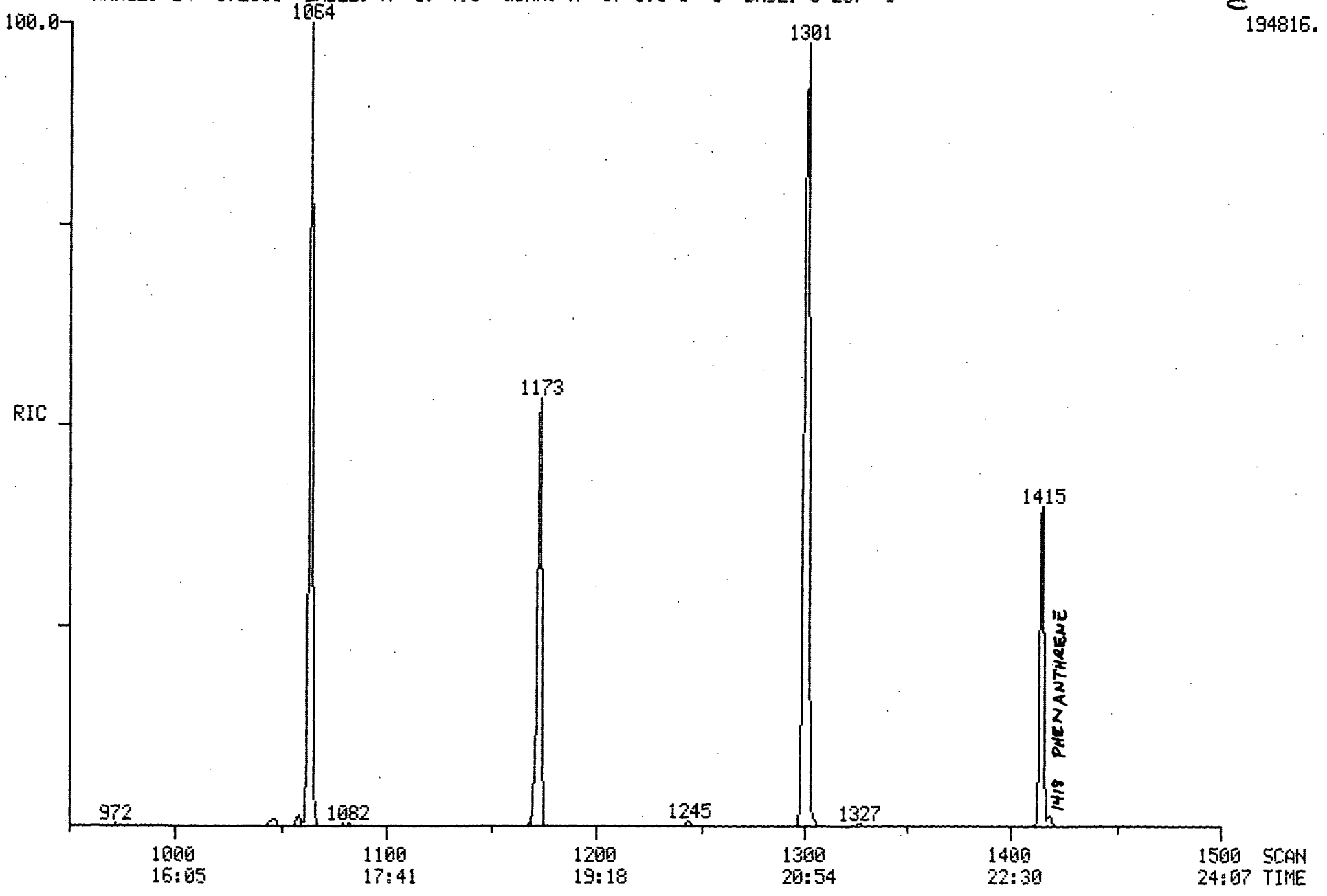


00833

MIDRIC
06/14/91 21:22:00
SAMPLE: S10 91-13594
CONDS.: MS-B CASE: EOH0022
RANGE: G 1,2800 LABEL: N 0, 4.0 QUAN: A 0, 1.0 J 0 BASE: U 20, 3

DATA: AD18S13594 #1 SCANS 950 TO 1500
CALI: AD18S13594 #2

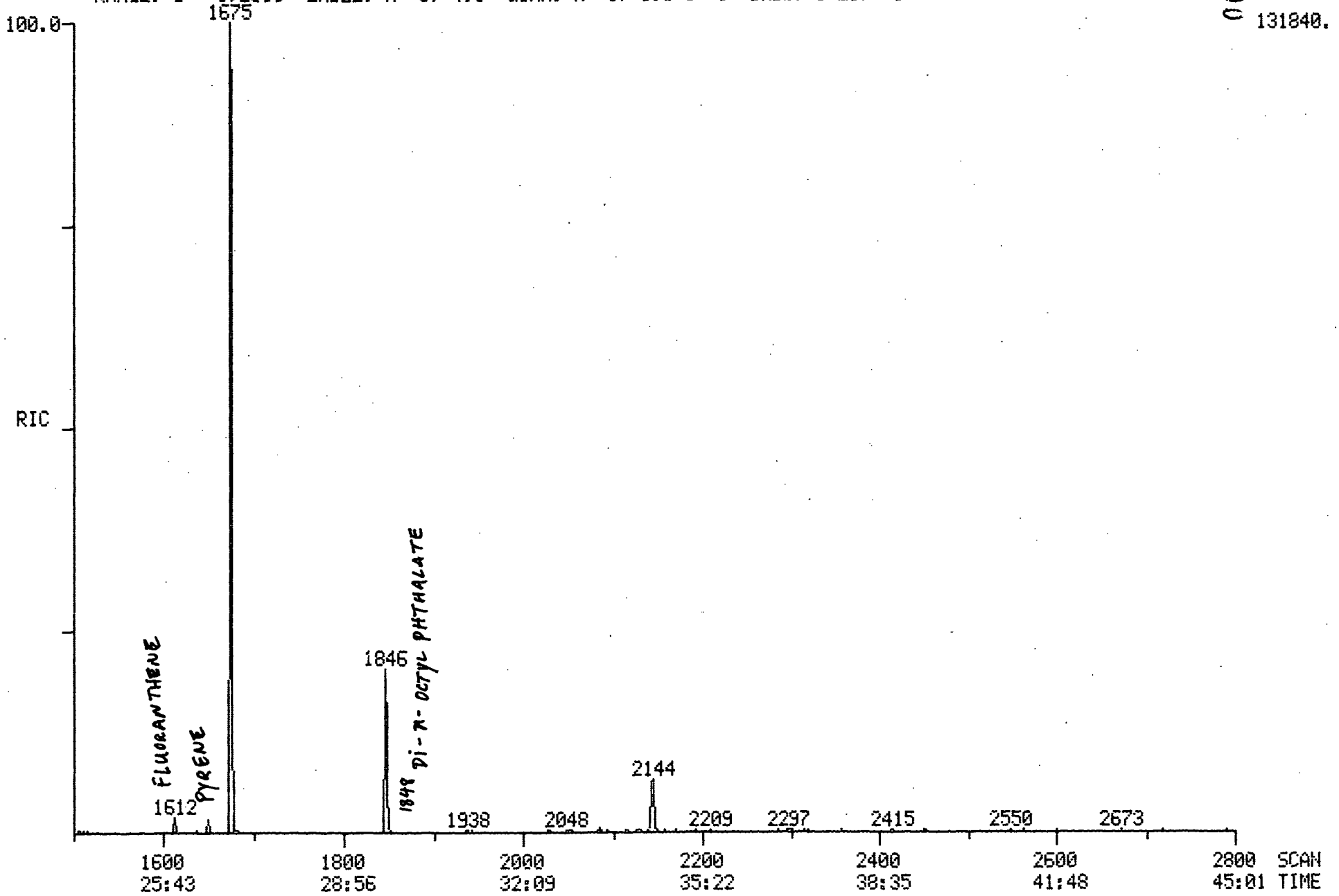
00834



MIDRIC
06/14/91 21:22:00
SAMPLE: S10 91-13594
CONDS.: MS-B CASE: EOH0022
RANGE: G 1,2800 LABEL: N 0, 4.0 QUAN: A 0, 1.0 J 0 BASE: U 20, 3

DATA: AD18S13594 #1 SCANS 1500 TO 2800
CALI: AD18S13594 #2

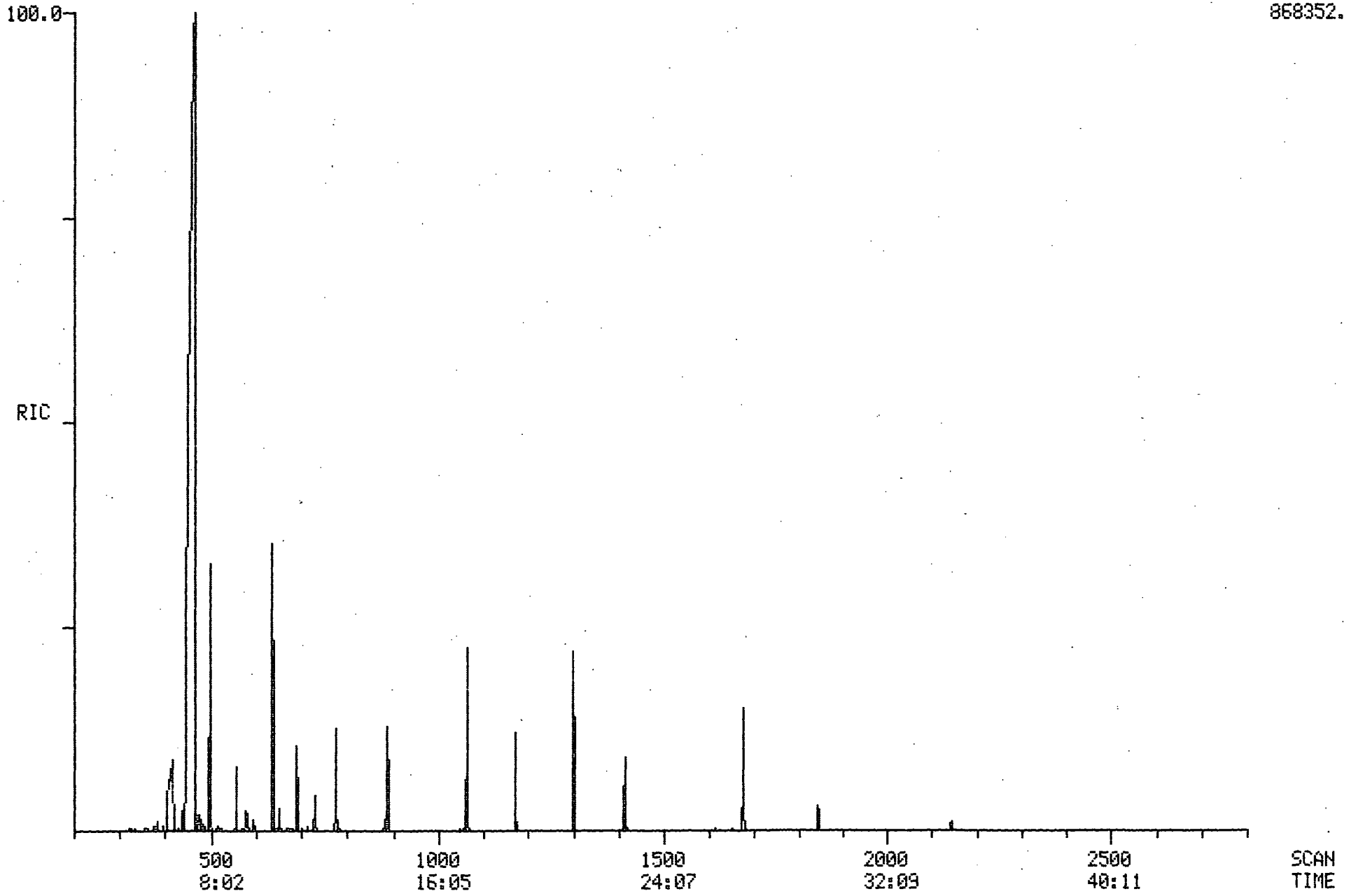
00835



MIDRIC
06/14/91 21:22:00
SAMPLE: S10 91-13594
CONDS.: MS-B CASE: EOH0022
RANGE: G 1,2800 LABEL: N 0, 4.0 QUAN: A 0, 1.0 J 0 BASE: U 20, 3

DATA: AD18S13594 #1 SCANS 200 TO 2800
CALI: AD18S13594 #2

00836



PROCEDURE: TCA DIAGNOSTIC REPORT 6/16/91 18:00:32
DATA FILE: AD18S13594
REFERENCE: 82711
NAME LIST: 8270 INITIALIZATION OPTION: 4 PROCESSING OPTION: 3
REPORT: DSISTD

< ---- STANDARDS ----- ><				--- PLUS UNKNOWNS --- ><				- LIST NAMES - >
PROC	USED	POSS	RMS	PROC	USED	POSS	RMS	STANDARD/UNKNOWN
6	4	1	0	12	12	1	123	DSISTD/DSSURR
6	6	1	0	21	6	1	0	DSISTD/82701
6	6	1	0	21	6	1	0	DSISTD/82702
6	6	1	0	21	6	1	0	DSISTD/82703
6	6	1	0	21	6	1	0	DSISTD/82704
6	6	1	0	21	6	1	0	DSISTD/82705
6	6	1	0	21	6	1	0	DSISTD/82706

102 COMPOUNDS PROCESSED, 10 FOUND

< COMPOUND ><			---------- SEARCH ---------- >< SAT ><							------ CHRO -------			
NO	LIB	ENTRY	REF	PRED	SEL	DELTA	PEAKS	FIT	PEAKS	M/Z	TOP	DELTA	PEAKS
1	DS	1	-683	691	691	.	1	964	.	152	691	.	1
2	DS	2	-882	890	.	.	.	.	.	136	889	.	1
3	DS	3	-1165	1173	1173	.	1	949	.	164	1172	-1	1
4	DS	4	-1407	1415	1415	.	1	987	.	188	1414	-1	1
5	DS	5	-1839	1847	.	.	.	.	.	240	1846	.	1
6	DS	6	-2136	2144	2144	.	1	936	.	264	2144	.	1
7	DS	7	-488	496	499	3	1	974	.	112	499	.	1
8	DS	8	-630	638	637	-1	1	951	.	99	637	.	1
9	DS	9	-769	777	776	-1	1	976	.	82	776	.	1
10	DS	10	-1057	1065	1064	-1	1	993	.	172	1064	.	1
11	DS	11	-1294	1302	1300	-2	1	942	.	330	1300	.	1
12	DS	12	-1668	1675	1675	.	1	970	.	244	1675	.	1
13	DS	13	-263	271	.	.	.	.	.	42	.	.	.
14	DS	14	-393	401	.	.	.	.	.	93	.	.	.
15	DS	15	-462	470	.	.	.	.	.	80	.	.	.
16	DS	16	-569	577	.	.	.	.	.	79	.	.	.
17	DS	17	-632	640	.	.	.	.	.	94	638	.	1
18	DS	18	-634	642	.	.	.	.	.	93	.	.	.
19	DS	19	-646	654	.	.	.	.	.	93	.	.	.
20	DS	20	-651	659	.	.	.	.	.	128	.	.	.
21	DS	21	-674	682	.	.	.	.	.	146	.	.	.
22	DS	22	-686	694	.	.	.	.	.	146	.	.	.
23	DS	23	-706	714	.	.	.	.	.	108	.	.	.
24	DS	24	-708	716	.	.	.	.	.	146	.	.	.
25	DS	25	-723	731	.	.	.	.	.	108	.	.	.
26	DS	26	-727	735	.	.	.	.	.	45	.	.	.
27	DS	27	-723	731	.	.	.	.	.	108	.	.	.
28	DS	28	-749	757	.	.	.	.	.	70	.	.	.
29	DS	29	-761	769	.	.	.	.	.	117	.	.	.
30	DS	30	-747	755	.	.	.	.	.	105	.	.	.
31	DS	31	-773	781	.	.	.	.	.	77	.	.	.
32	DS	32	-797	805	.	.	.	.	.	42	.	.	.
33	DS	33	-811	819	.	.	.	.	.	82	.	.	.
34	DS	34	-822	830	.	.	.	.	.	139	.	.	.
35	DS	35	-830	838	.	.	.	.	.	122	.	.	.
36	DS	36	-846	854	.	.	.	.	.	93	.	.	.
37	DS	39	-860	868	.	.	.	.	.	162	.	.	.
38	DS	40	-873	881	.	.	.	.	.	180	.	.	.
39	DS	41	-885	893	.	.	.	.	.	128	.	.	.
40	DS	42	-895	903	.	.	.	.	.	127	.	.	.
41	DS	43	-896	904	.	.	.	.	.	162	.	.	.
42	DS	44	-906	914	.	.	.	.	.	225	.	.	.
43	DS	45	-951	959						84			

00837

44	DS	46	-973	981	.	.	.	.	.	107	.	.	.
45	DS	47	-997	1005	.	.	.	.	.	142	.	.	.
46	DS	48	-1024	1032	.	.	.	.	.	216	.	.	.
47	DS	49	-1022	1030	.	.	.	.	.	237	.	.	.
48	DS	50	-1042	1050	.	.	.	.	.	196	.	.	.
49	DS	51	-1048	1056	.	.	.	.	.	196	.	.	.
50	DS	52	-1076	1084	.	.	.	.	.	162	.	.	.
51	DS	53	-1076	1084	.	.	.	.	.	162	.	.	.
52	DS	54	-1093	1101	.	.	.	.	.	65	.	.	.
53	DS	55	-1124	1132	.	.	.	.	.	163	.	.	.
54	DS	56	-1133	1141	.	.	.	.	.	165	.	.	.
55	DS	57	-1142	1150	.	.	.	.	.	152	.	.	.
56	DS	58	-1160	1168	.	.	.	.	.	138	.	.	.
57	DS	59	-1171	1179	.	.	.	.	.	154	.	.	.
58	DS	60	-1177	1185	.	.	.	.	.	184	.	.	.
59	DS	61	-1187	1195	.	.	.	.	.	139	.	.	.
60	DS	62	-1199	1207	.	.	.	.	.	168	.	.	.
61	DS	63	-1199	1207	.	.	.	.	.	165	.	.	.
62	DS	64	-1192	1200	.	.	.	.	.	250	.	.	.
63	DS	65	-1212	1220	.	.	.	.	.	143	.	.	.
64	DS	66	-1219	1227	.	.	.	.	.	232	.	.	.
65	DS	67	-1225	1233	.	.	.	.	.	143	.	.	.
66	DS	68	-1239	1247	.	.	.	.	.	149	1245	.	1
67	DS	69	-1256	1264	.	.	.	.	.	204	.	.	.
68	DS	70	-1255	1263	.	.	.	.	.	166	.	.	.
69	DS	71	-1259	1267	.	.	.	.	.	138	.	.	.
70	DS	72	-1264	1272	.	.	.	.	.	198	.	.	.
71	DS	73	-1276	1284	.	.	.	.	.	169	.	.	.
72	DS	74	-1282	1290	.	.	.	.	.	77	.	.	.
73	DS	75	-1335	1343	.	.	.	.	.	248	.	.	.
74	DS	76	-1327	1335	.	.	.	.	.	108	.	.	.
75	DS	78	-1344	1352	.	.	.	.	.	284	.	.	.
76	DS	79	-1378	1386	.	.	.	.	.	169	.	.	.
77	DS	81	-1376	1384	.	.	.	.	.	266	.	.	.
78	DS	83	-1388	1396	.	.	.	.	.	173	.	.	.
79	DS	84	-1379	1387	.	.	.	.	.	295	.	.	.
80	DS	85	-1412	1420	.	.	.	.	.	178	1418	.	1
81	DS	86	-1420	1428	.	.	.	.	.	178	1427	.	1
82	DS	89	-1504	1512	.	.	.	.	.	149	1511	.	1
83	DS	92	-1605	1613	.	.	.	.	.	202	1612	.	1
84	DS	93	-1642	1650	.	.	.	.	.	202	1649	.	1
85	DS	96	-1627	1635	.	.	.	.	.	184	.	.	.
86	DS	98	-1691	1699	.	.	.	.	.	120	.	.	.
87	DS	103	-1748	1756	.	.	.	.	.	149	.	.	.
88	DS	108	-1833	1841	.	.	.	.	.	252	.	.	.
89	DS	109	-1837	1845	.	.	.	.	.	228	1844	.	1
90	DS	110	-1843	1851	.	.	.	.	.	228	1850	.	1
91	DS	111	-1840	1848	.	.	.	.	.	149	1848	.	1
92	DS	112	-1955	1963	.	.	.	.	.	149	.	.	.
93	DS	113	-2041	2049	.	.	.	.	.	256	.	.	.
94	DS	114	-2042	2050	.	.	.	.	.	252	2048	.	1
95	DS	115	-2049	2057	.	.	.	.	.	252	.	.	.
96	DS	116	-2122	2130	.	.	.	.	.	252	2129	.	1
97	DS	117	-2221	2229	.	.	.	.	.	268	.	.	.
98	DS	118	-2499	2507	.	.	.	.	.	276	.	.	.
99	DS	119	-2500	2508	.	.	.	.	.	278	.	.	.
100	DS	120	-2598	2606	.	.	.	.	.	276	.	.	.
101	DS	128	-2421	2429	.	.	.	.	.	279	.	.	.
102	DS	37	-847	855	.	.	.	.	.	122	.	.	.

Quantitation Report File: AD18S13594

Data: AD18S13594.TI
06/14/91 21:22:00
Sample: S10 91-13594
Conds.: MS-B CASE: EOH0022
Submitted by: Analyst: JOHNSON

AMOUNT=AREA * REF AMNT/(REF AREA * RESP FACT)
Resp. fac. from Library Entry

No	Name
1	ISTD D4-1,4-DICHLOROBENZENE
2	ISTD D-8-NAPHTHALENE
3	ISTD ACENAPHTHENE-D10
4	INTERNAL STANDARD D-10-PHENANTHRENE
5	INTERNAL STANDARD D-12-CHRYSENE
6	ISTD D-12 PERYLENE
7	SURROGATE 2-FLUOROPHENOL
8	SURROGATE D-6-PHENOL
9	SURROGATE D5-NITROBENZENE
10	SURROGATE 2-FLUOROBIPHENYL
11	SURROGATE STANDARD 2,4,6-TRIBROMOPHENOL
12	SURROGATE STANDARD P-TERPHENYL D-14
13	N-NITROSODIMETHYLAMINE
14	2-PICOLINE
15	METHYL METHANESULFONATE
16	ETHYL METHANESULFONATE
17	C315 PHENOL
18	ANILINE
19	BIS(2-CHLOROETHYL)ETHER
20	2-CHLOROPHENOL
21	1,3-DICHLOROBENZENE
22	1,4-DICHLOROBENZENE
23	BENZYL ALCOHOL
24	1,2-DICHLOROBENZENE
25	2-METHYLPHENOL
26	BIS(2-CHLOROISOPROPYL)ETHER
27	4-METHYLPHENOL
28	N-NITROSO-DI-N-PROPYLAMINE
29	HEXACHLOROETHANE
30	ACETOPHENONE
31	NITROBENZENE
32	N-NITROSOPIPERIDINE
33	ISOPHORONE
34	2-NITROPHENOL
35	2,4-DIMETHYLPHENOL
36	BIS(2-CHLOROETHOXY)METHANE
37	2,4-DICHLOROPHENOL
38	1,2,4-TRICHLOROBENZENE
39	NAPHTHALENE
40	4-CHLOROANILINE
41	2,6-DICHLOROPHENOL
42	HEXACHLOROBUTADIENE
43	N-NITROSO-DI-N-BUTYLAMINE
44	4-CHLORO-3-METHYLPHENOL
45	2-METHYL NAPHTHALENE
46	1,2,4,5-TETRACHLOROBENZENE
47	HEXACHLOROCYCLOPENTADIENE
48	2,4,6-TRICHLOROPHENOL
49	2,4,5-TRICHLOROPHENOL
50	2-CHLORONAPHTHALENE

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount	%Tot
1	152	691	11:07	1	1.000	A BB	25755.	40.000 UG	2.79
2	136	889	14:18	2	1.000	A BB	88543.	40.000 UG	2.79
3	164	1172	18:50	3	1.000	A BB	55701.	40.000 UG	2.79
4	188	1414	22:44	4	1.000	A BB	76384.	40.000 UG	2.79
5	240	1846	29:41	5	1.000	A BB	25442.	40.000 UG	2.79
6	264	2144	34:28	6	1.000	A BB	18143.	40.000 UG	2.79
7	112	499	8:01	1	0.722	A BB	117166.	111.285 UG	7.77
8	99	637	10:14	1	0.922	A BB	178032.	132.081 UG	9.23
9	82	776	12:29	2	0.873	A BB	72693.	49.300 UG	3.44
10	172	1064	17:06	3	0.908	A BB	127165.	75.978 UG	5.31
11	330	1300	20:54	3	1.109	A BB	47176.	227.572 UG	15.90
12	244	1675	26:56	5	0.907	A BB	121670.	116.522 UG	8.14
13	NOT FOUND								
14	NOT FOUND								
15	NOT FOUND								
16	NOT FOUND								
~~17~~	~~94~~	~~638~~	~~10:15~~	~~1~~	~~0.923~~	~~A BB~~	~~210.~~	~~0.121 UG~~	~~0.01~~
18	NOT FOUND								
19	NOT FOUND								
20	NOT FOUND								
21	NOT FOUND								
22	NOT FOUND								
23	NOT FOUND								
24	NOT FOUND								
25	NOT FOUND								
26	NOT FOUND								
27	NOT FOUND								
28	NOT FOUND								
29	NOT FOUND								
30	NOT FOUND								
31	NOT FOUND								
32	NOT FOUND								
33	NOT FOUND								
34	NOT FOUND								
35	NOT FOUND								
36	NOT FOUND								
37	NOT FOUND								
38	NOT FOUND								
39	NOT FOUND								
40	NOT FOUND								
41	NOT FOUND								
42	NOT FOUND								
43	NOT FOUND								
44	NOT FOUND								
45	NOT FOUND								
46	NOT FOUND								
47	NOT FOUND								
48	NOT FOUND								
49	NOT FOUND								
50	NOT FOUND								

No	Ret(L)	Ratio	RRT(L)	Ratio	Amnt	Amnt(L)	R.Fac	R.Fac(L)	Ratio
1	10:59	1.01	1.000	1.00	40.00	40.00	1.000	1.000	1.00
2	14:11	1.01	1.000	1.00	40.00	40.00	1.000	1.000	1.00
3	18:44	1.01	1.000	1.00	40.00	40.00	1.000	1.000	1.00
4	22:37	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
5	29:34	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
6	34:20	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
7	7:51	1.02	0.714	1.01	111.28	50.00	3.639	1.635	2.23
8	10:08	1.01	0.922	1.00	132.08	50.00	5.530	2.093	2.64
9	12:22	1.01	0.872	1.00	49.30	50.00	0.657	0.646	1.99
10	17:00	1.01	0.907	1.00	75.98	50.00	1.826	1.202	1.52
11	20:48	1.00	1.111	1.00	227.57	50.00	0.678	0.149	4.55
12	26:49	1.00	0.907	1.00	116.52	50.00	3.826	1.642	2.33
13	4:14		0.385						

14	6:19		0.575						
15	7:26		0.676						
16	9:09		0.833						
17	10:10	1.01	0.925	1.00	0.12	50.00	0.007	2.706	0.00
18	10:12		0.928						
19	10:23		0.946						
20	10:28		0.953						
21	10:50		0.987						
22	11:02		1.004						
23	11:21		1.034						
24	11:23		1.037						
25	11:37		1.059						
26	11:41		1.064						
27	11:37		1.059						
28	12:02		1.097						
29	12:14		1.114						
30	12:01		0.847						
31	12:26		0.876						
32	12:49		0.904						
33	13:02		0.920						
34	13:13		0.932						
35	13:21		0.941						
36	13:36		0.959						
37	13:50		0.975						
38	14:02		0.990						
39	14:14		1.003						
40	14:23		1.015						
41	14:24		1.016						
42	14:34		1.027						
43	15:17		1.078						
44	15:39		1.103						
45	16:02		1.130						
46	16:28		0.879						
47	16:26		0.877						
48	16:45		0.894						
49	16:51		0.900						
50	17:18		0.924						

Quantitation Report File: AD18S13594

Data: AD18S13594.TI
06/14/91 21:22:00
Sample: S10 91-13594
Conds.: MS-B CASE: EOH0022
Submitted by: Analyst: JOHNSON

AMOUNT=AREA * REF AMNT/(REF AREA * RESP FACT)
Resp. fac. from Library Entry

No	Name
51	1-CHLORONAPHTHALENE
52	2-NITROANILINE
53	DIMETHYL PHTHALATE
54	2,6-DINITROTOLUENE
55	ACENAPHTHYLENE
56	3-NITROANILINE
57	ACENAPHTHENE
58	2,4-DINITROPHENOL
59	4-NITROPHENOL
60	DIBENZOFURAN
61	2,4-DINITROTOLUENE
62	PENTACHLOROBENZENE
63	1-NAPHTHYLAMINE
64	2,3,4,6-TETRACHLOROPHENOL
65	2-NAPHTHYLAMINE
66	DIETHYL PHTHALATE
67	4-CHLOROPHENYL PHENYL ETHER
68	FLUORENE
69	4-NITROANILINE
70	4,6-DINITRO-2-METHYLPHENOL
71	N-NITROSODIPHENYLAMINE
72	1,2-DIPHENYLHYDRAZINE
73	4-BROMOPHENYL PHENYL ETHER
74	PHENACETIN
75	HEXACHLOROBENZENE
76	4-AMINOBIPHENYL
77	PENTACHLOROPHENOL
78	PRONAMIDE (PROPYZAMIDE)
79	PENTACHLORONITROBENZENE
80	PHENANTHRENE
81	ANTHRACENE
82	DI-N-BUTYL PHTHALATE
83	FLUORANTHENE
84	PYRENE
85	BENZIDINE
86	P-DIMETHYLAMINOAZOBENZENE
87	BUTYL BENZYL PHTHALATE
88	3,3'-DICHLOROBENZIDINE
89	BENZO(A)ANTHRACENE
90	CHRYSENE
91	BIS(2-ETHYLHEXYL)PHTHALATE
92	DI-N-OCTYL PHTHALATE
93	7,12-DIMETHYLBENZ(A)ANTHRACENE
94	BENZO(B)FLUORANTHENE
95	BENZO(K)FLUORANTHENE
96	BENZO(A)PYRENE
97	3-METHYLCHOLANTHRENE
98	INDENO (1,2,3-CD)PYRENE
99	DIBENZ(A,H)ANTHRACENE
100	BENZO (G,H,I)PERYLENE

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount	%Tot
51	NOT FOUND								
52	NOT FOUND								
53	NOT FOUND								
54	NOT FOUND								
55	NOT FOUND								
56	NOT FOUND								
57	NOT FOUND								
58	NOT FOUND								
59	NOT FOUND								
60	NOT FOUND								
61	NOT FOUND								
62	NOT FOUND								
63	NOT FOUND								
64	NOT FOUND								
65	NOT FOUND								
~~66~~	~~149~~	~~1245~~	~~20:01~~	~~3~~	~~1.062~~	~~A BB~~	~~1029.~~	~~0.495 UG~~	~~0.03~~
67	NOT FOUND								
68	NOT FOUND								
69	NOT FOUND								
70	NOT FOUND								
71	NOT FOUND								
72	NOT FOUND								
73	NOT FOUND								
74	NOT FOUND								
75	NOT FOUND								
76	NOT FOUND								
77	NOT FOUND								
78	NOT FOUND								
79	NOT FOUND								
80	178	1418	22:48	4	1.003	A BB	2876.	1.414 UG	0.10
~~81~~	~~178~~	~~1427~~	~~22:56~~	~~4~~	~~1.009~~	~~A BB~~	~~318.~~	~~0.155 UG~~	~~0.01~~
~~82~~	~~149~~	~~1511~~	~~24:17~~	~~4~~	~~1.069~~	~~A BB~~	~~378.~~	~~0.151 UG~~	~~0.01~~
83	202	1612	25:55	4	1.140	A BB	3702.	2.342 UG	0.16
84	202	1649	26:31	5	0.893	A BB	3103.	2.775 UG	0.19
85	NOT FOUND								
86	NOT FOUND								
87	NOT FOUND								
88	NOT FOUND								
~~89~~	~~228~~	~~1844~~	~~29:39~~	~~5~~	~~0.999~~	~~A BV~~	~~876.~~	~~1.217 UG~~	~~0.09~~
~~90~~	~~228~~	~~1850~~	~~29:44~~	~~5~~	~~1.002~~	~~A VB~~	~~763.~~	~~1.049 UG~~	~~0.07~~
91	149	1848	29:43	5	1.001	A BB	3949.	4.312 UG	0.30
92	NOT FOUND								
93	NOT FOUND								
~~94~~	~~252~~	~~2048~~	~~32:55~~	~~6~~	~~0.955~~	~~A BB~~	~~1174.~~	~~1.916 UG~~	~~0.13~~
95	NOT FOUND								
~~96~~	~~252~~	~~2129~~	~~34:14~~	~~6~~	~~0.993~~	~~A BB~~	~~420.~~	~~0.816 UG~~	0.06
97	NOT FOUND								
98	NOT FOUND								
99	NOT FOUND								
100	NOT FOUND								

No	Ret(L)	Ratio	RRT(L)	Ratio	Amnt	Amnt(L)	R.Fac	R.Fac(L)	Ratio
51	17:18		0.924						
52	17:34		0.938						
53	18:04		0.965						
54	18:13		0.973						
55	18:22		0.980						
56	18:39		0.996						
57	18:50		1.005						
58	18:55		1.010						
59	19:05		1.019						
60	19:17		1.029						
61	19:17		1.029						
62	19:10		1.023						
63	19:29		1.040						

64	19:36		1.046						
65	19:42		1.052						
66	19:55	1.00	1.064	1.00	0.50	50.00	0.015	1.491	0.01
67	20:12		1.078						
68	20:11		1.077						
69	20:14		1.081						
70	20:19		0.898						
71	20:31		0.907						
72	20:37		0.911						
73	21:28		0.949						
74	21:20		0.943						
75	21:36		0.955						
76	22:09		0.979						
77	22:07		0.978						
78	22:19		0.986						
79	22:10		0.980						
80	22:42	1.00	1.004	1.00	1.41	50.00	0.030	1.065	0.03
81	22:50	1.00	1.009	1.00	0.16	50.00	0.003	1.072	0.00
82	24:11	1.00	1.069	1.00	0.15	50.00	0.004	1.313	0.00
83	25:48	1.00	1.141	1.00	2.34	50.00	0.039	0.828	0.05
84	26:24	1.00	0.893	1.00	2.78	50.00	0.098	1.758	0.06
85	26:09		0.885						
86	27:11		0.920						
87	28:06		0.951						
88	29:28		0.997						
89	29:32	1.00	0.999	1.00	1.22	50.00	0.028	1.132	0.02
90	29:38	1.00	1.002	1.00	1.05	50.00	0.024	1.144	0.02
91	29:35	1.00	1.001	1.00	4.31	50.00	0.124	1.440	0.09
92	31:26		0.915						
93	32:49		0.956						
94	32:50	1.00	0.956	1.00	1.92	50.00	0.052	1.351	0.04
95	32:56		0.959						
96	34:07	1.00	0.993	1.00	0.82	50.00	0.019	1.135	0.02
97	35:42		1.040						
98	40:11		1.170						
99	40:11		1.170						
100	41:46		1.216						

Quantitation Report File: AD18S13594

Data: AD18S13594.TI
06/14/91 21:22:00
Sample: S10 91-13594
Conds.: MS-B CASE: EOH0022
Submitted by: Analyst: JOHNSON

AMOUNT=AREA * REF AMNT/(REF AREA * RESP FACT)
Resp. fac. from Library Entry

No	Name
101	DIBENZ(A,J)ACRIDINE
102	BENZOIC ACID

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount	%Tot
101	NOT FOUND								
102	NOT FOUND								

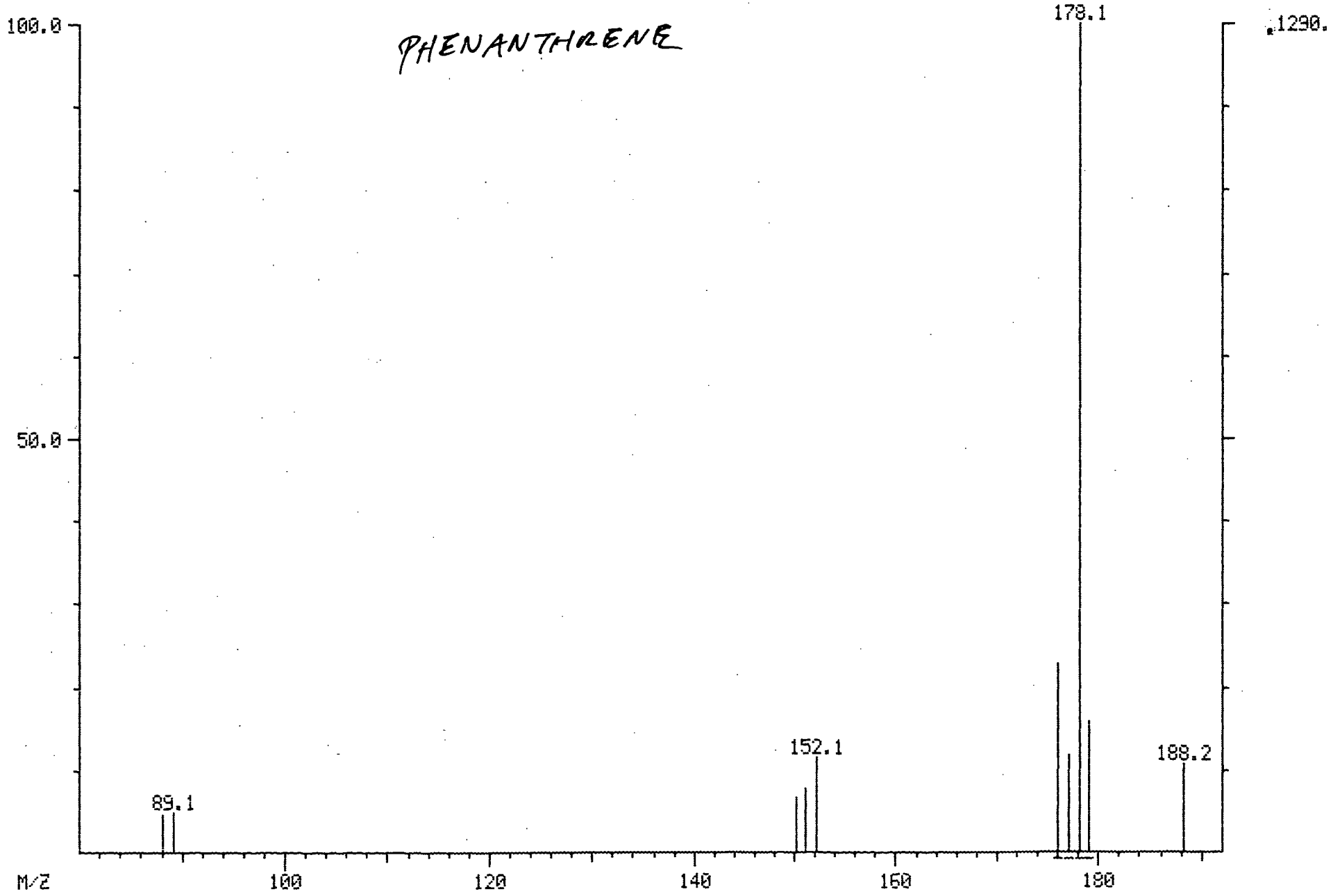
No	Ret(L)	Ratio	RRT(L)	Ratio	Amnt	Amnt(L)	R.Fac	R.Fac(L)	Ratio
101	38:55		1.133						
102	13:37		0.960						

MID MASS SPECTRUM
06/14/91 21:22:00 + 22:48
SAMPLE: S10 91-13594
CONDS.: MS-B CASE: EOH0022
GC TEMP: 228 DEG. C

DATA: AD18S13594 #1418
CALI: AD18S13594 #2

BASE M/Z: 178
RIC: 2536.

00846



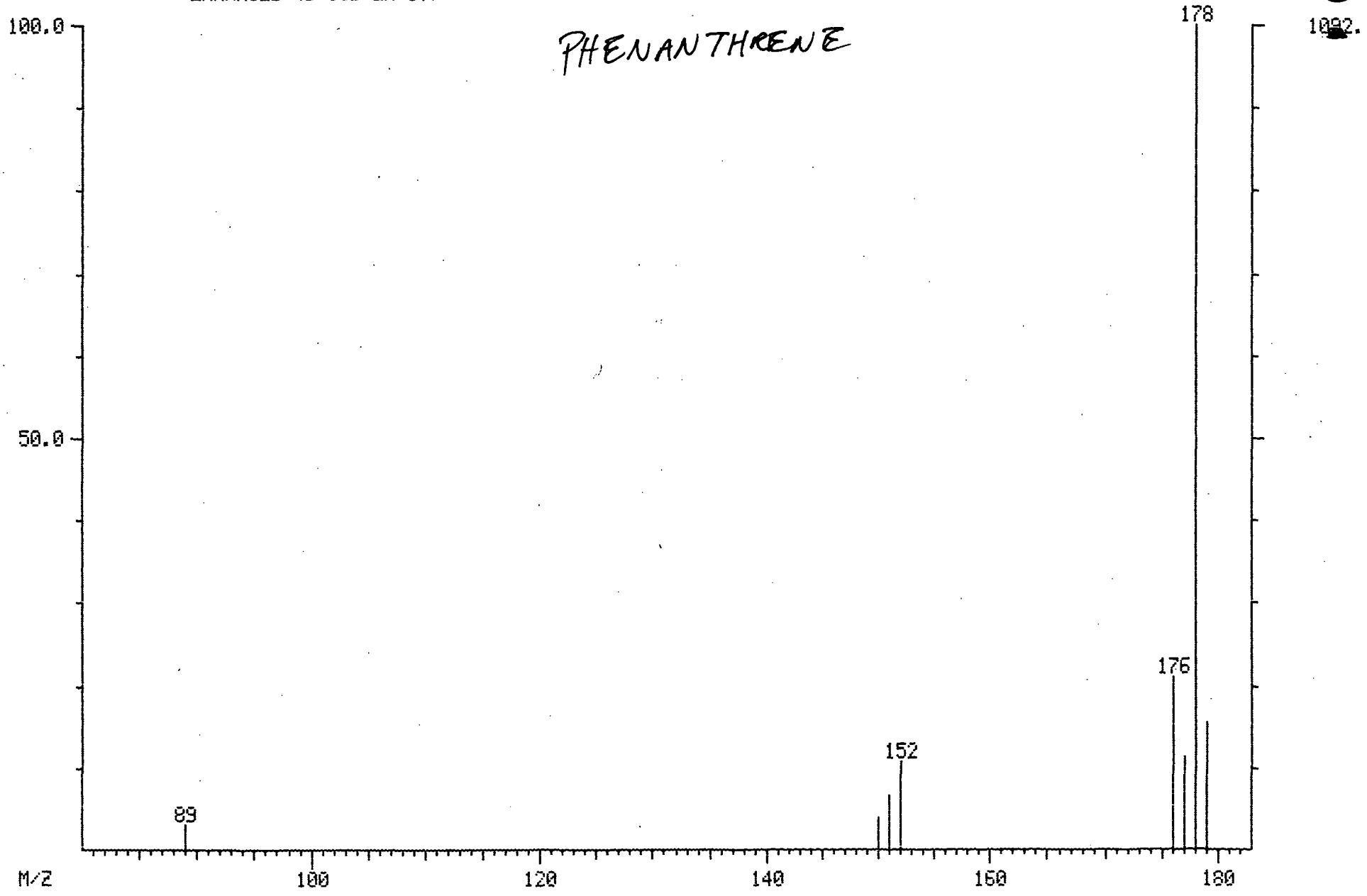
MID MASS SPECTRUM
06/14/91 21:22:00 + 22:48
SAMPLE: S10 91-13594
CONDS.: MS-B CASE: EOH0022
GC TEMP: 228 DEG. C
ENHANCED (S 15B 2N 0T)

DATA: AD18513594 #1418
CALI: AD18513594 #2

BASE M/Z: 178
RIC: 1878.

00847

PHENANTHRENE

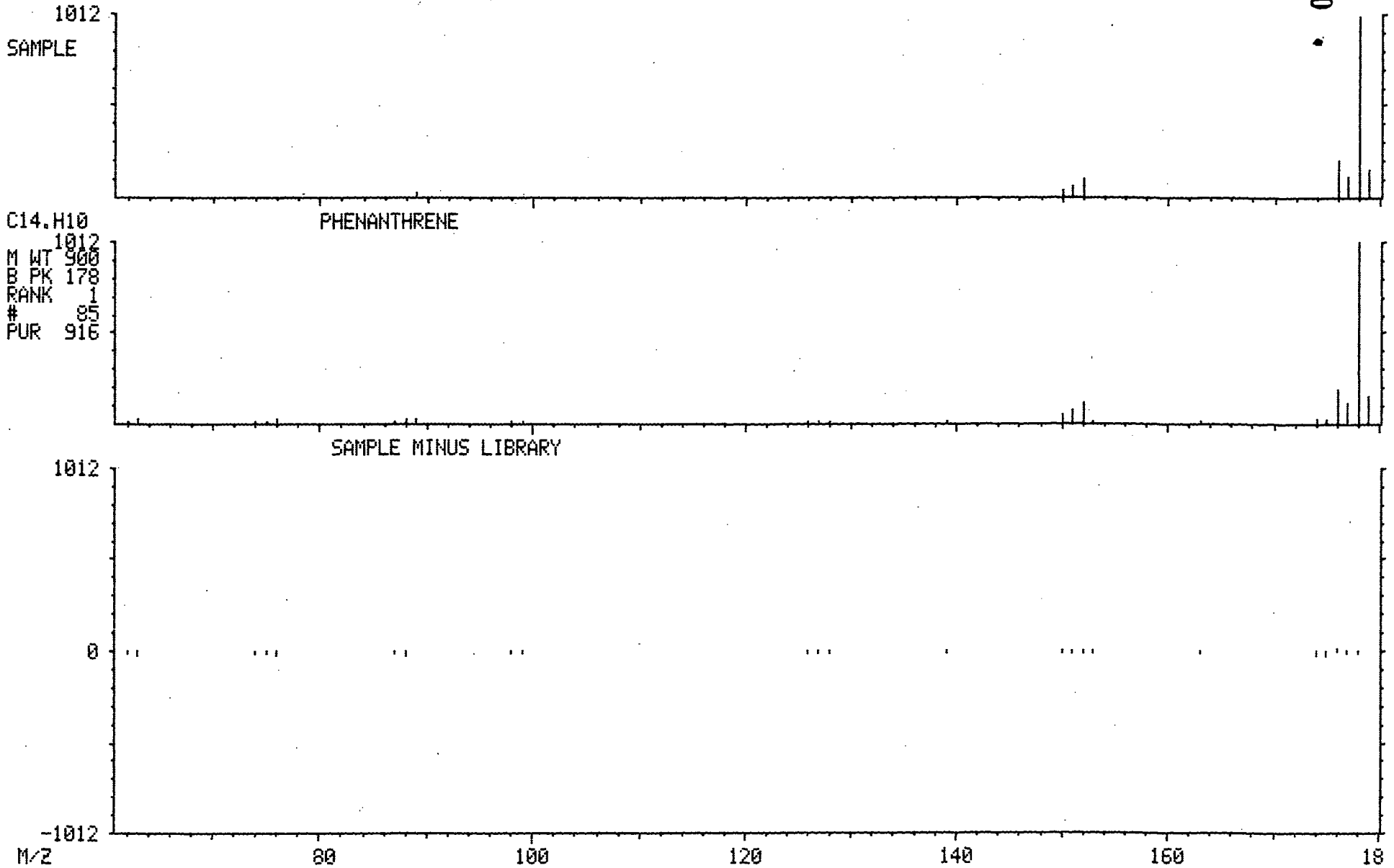


MID LIBRARY SEARCH
06/14/91 21:22:00 + 22:48
SAMPLE: S10 91-13594
CONDS.: MS-B CASE: EOH0022
ENHANCED (S 15B 2N 0T)

DATA: AD18513594 #1418
CALI: AD18513594 # 2

BASE M/Z: 178
RIC: 1877.

008848



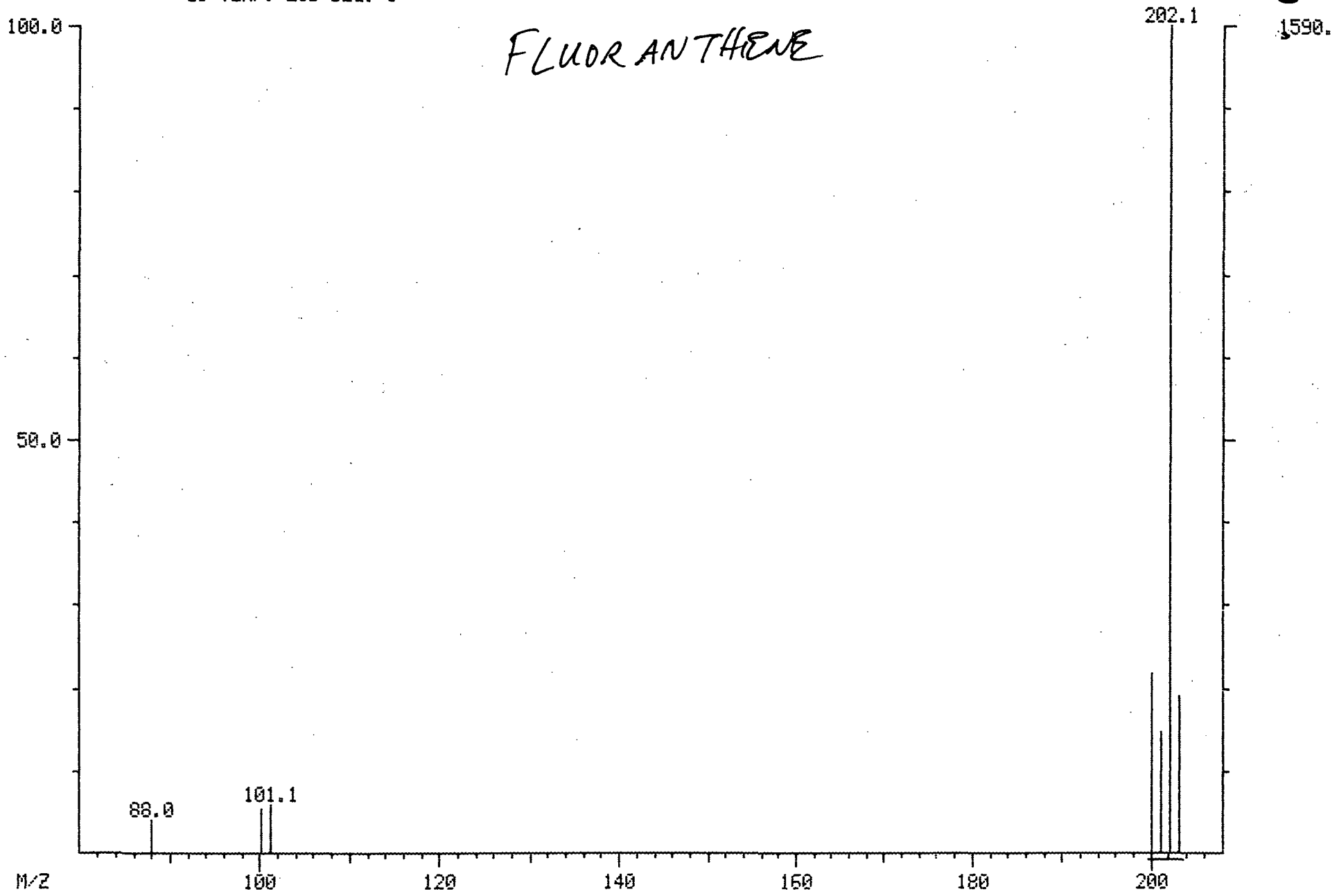
MID MASS SPECTRUM
06/14/91 21:22:00 + 25:55
SAMPLE: S10 91-13594
CONDS.: MS-B CASE: EOH0022
GC TEMP: 259 DEG. C

DATA: AD18S13594 #1612
CALI: AD18S13594 #2

BASE M/Z: 202
RIC: 2720.

00849

FLUORANTHENE

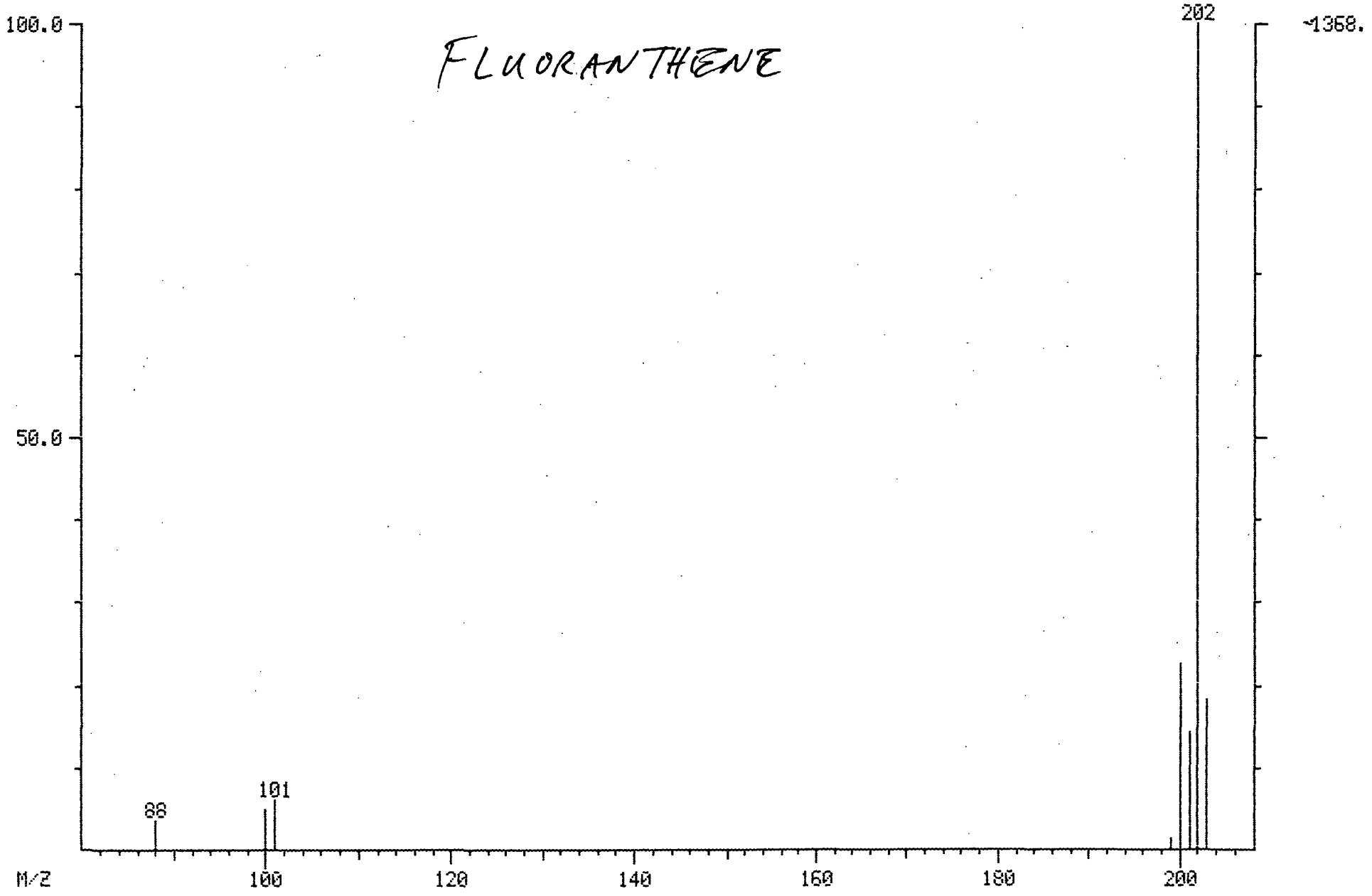


MID MASS SPECTRUM
06/14/91 21:22:00 + 25:55
SAMPLE: S10 91-13594
CONDS.: MS-B CASE: EOH0022
GC TEMP: 259 DEG. C
ENHANCED (S 15B 2N 0T)

DATA: AD18S13594 #1612
CALI: AD18S13594 #2

BASE M/Z: 202
RIC: 2348.

00850

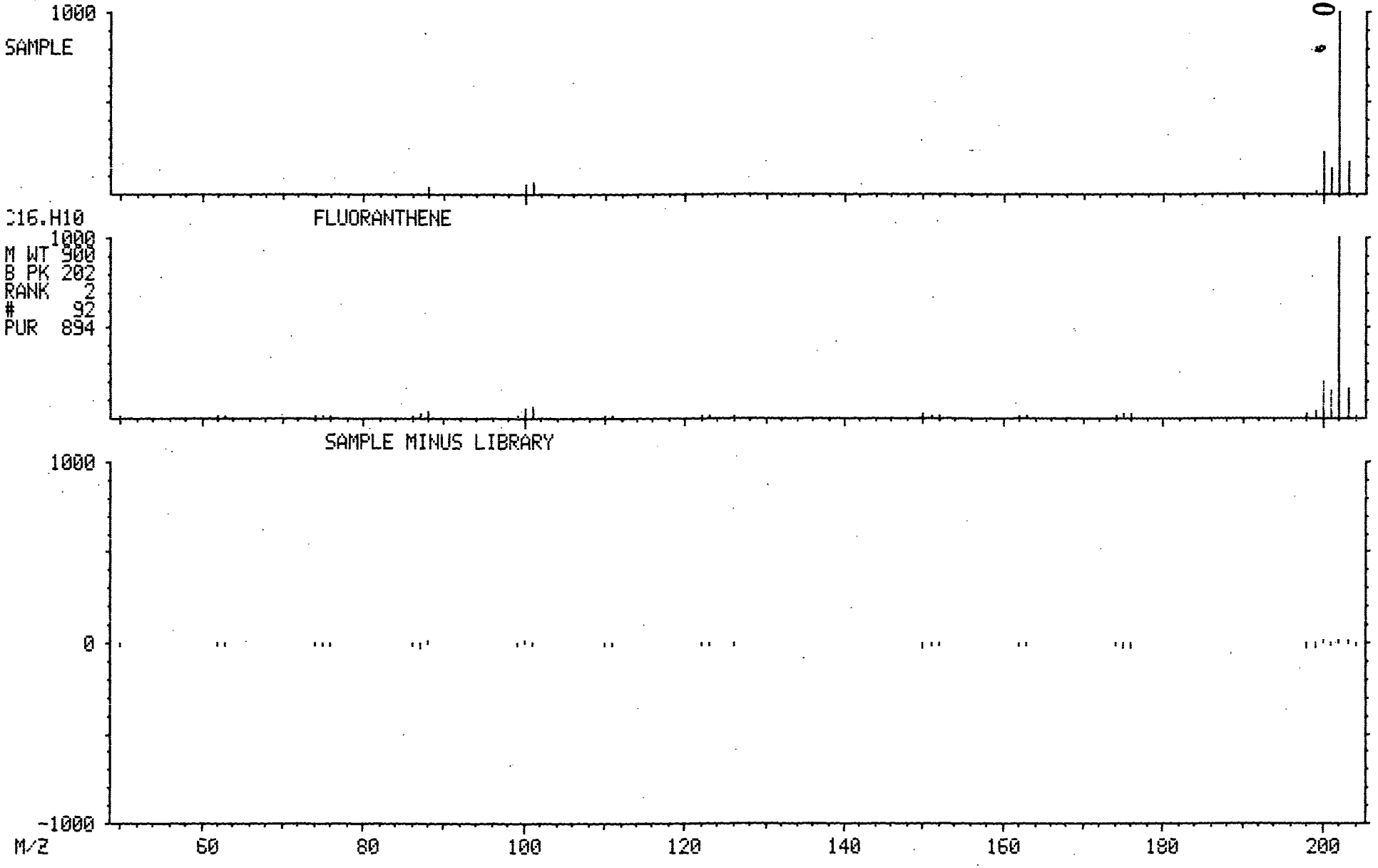


MID LIBRARY SEARCH
06/14/91 21:22:00 + 25:55
SAMPLE: S10 91-13594
CONDS.: MS-B CASE: EOH0022
ENHANCED (S 15B 2N 0T)

DATA: AD18S13594 #1612
CALI: AD18S13594 # 2

BASE M/Z: 202
RIC: 2347.

00851

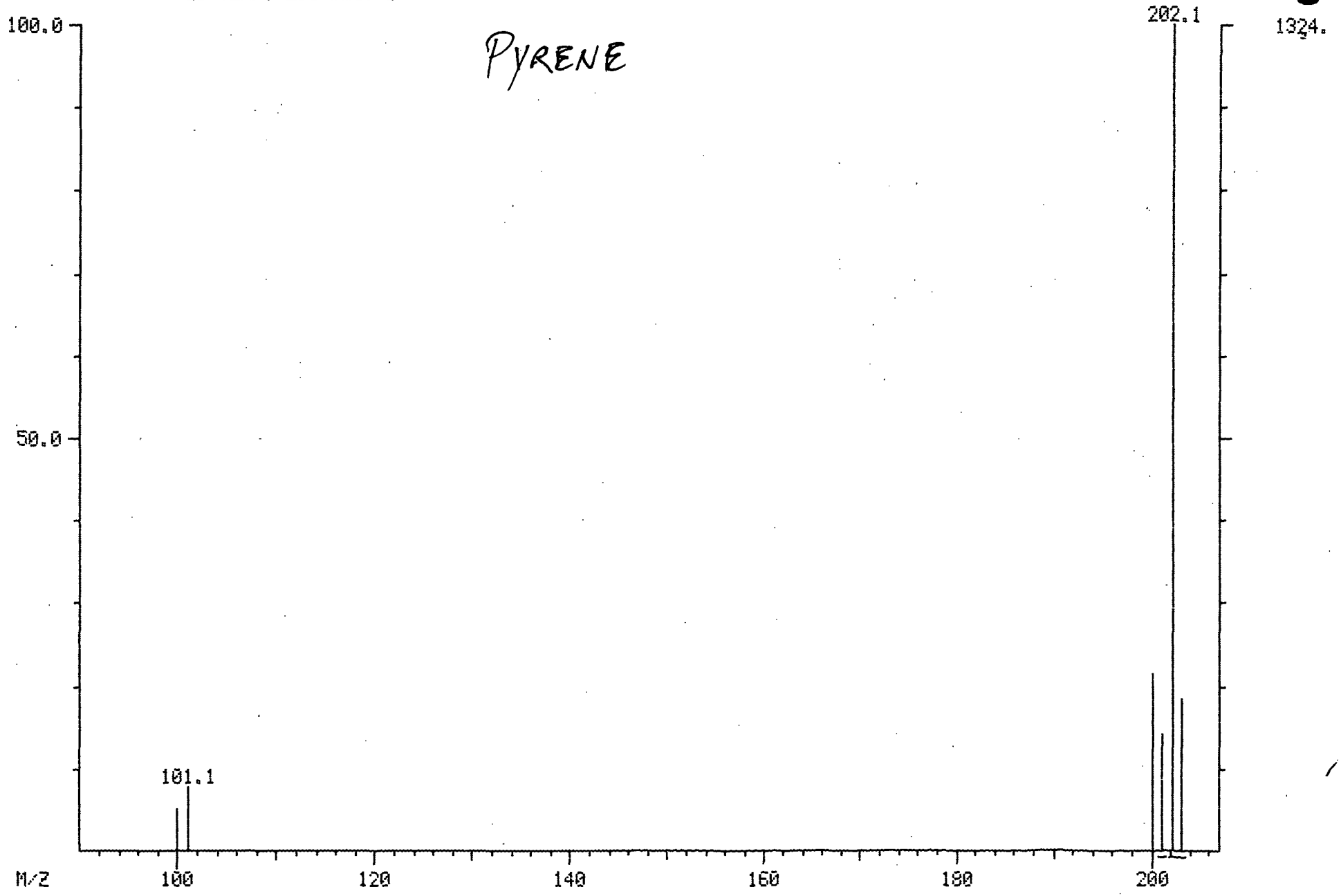


MID MASS SPECTRUM
06/14/91 21:22:00 + 26:31
SAMPLE: S10 91-13594
CONDS.: MS-B CASE: EOH0022
GC TEMP: 265 DEG. C

DATA: AD18S13594 #1649
CALI: AD18S13594 #2

BASE M/Z: 202
RIC: 2216.

00852

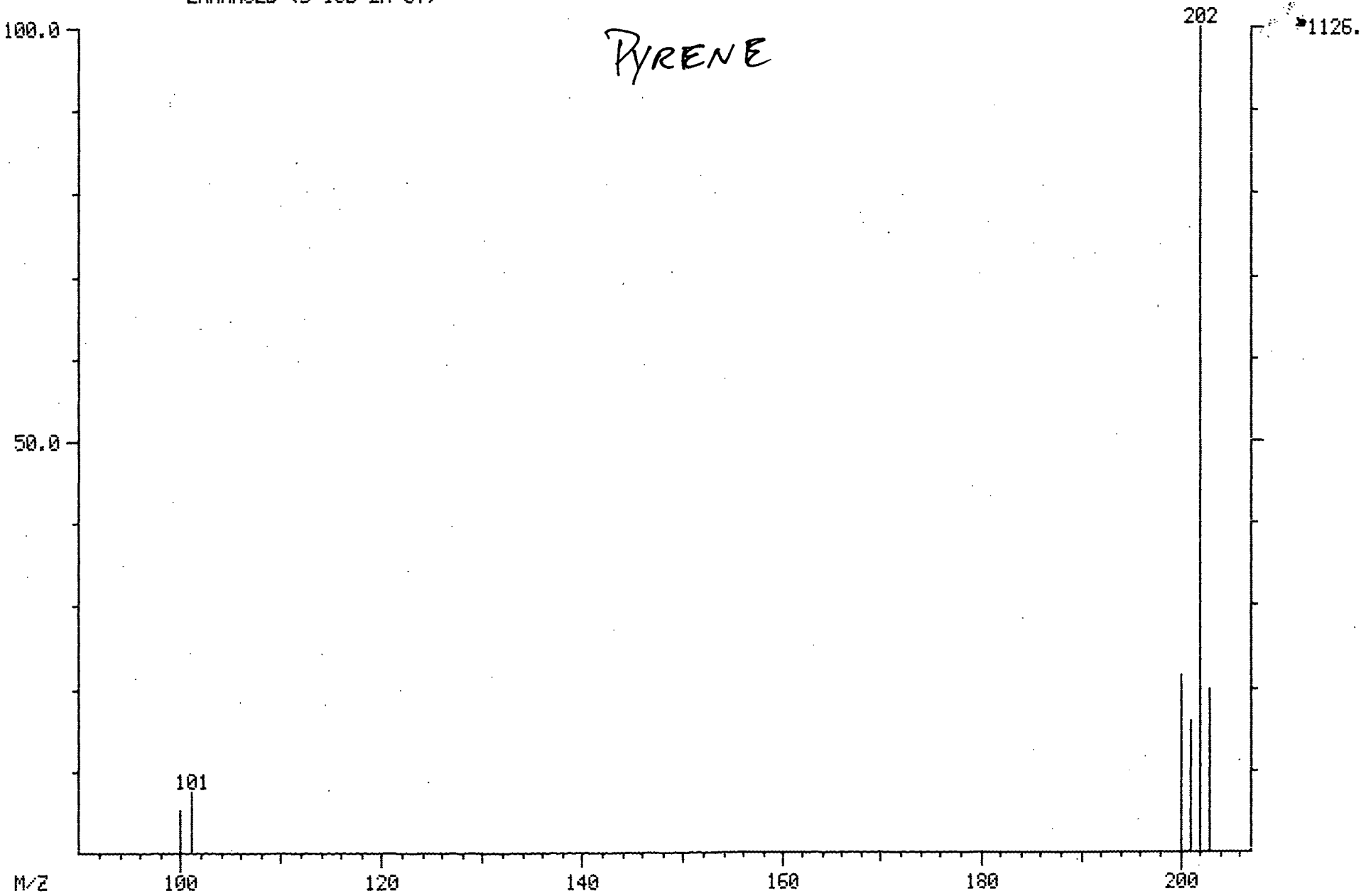


MID MASS SPECTRUM
06/14/91 21:22:00 + 26:31
SAMPLE: S10 91-13594
CONDS.: MS-B CASE: EOH0022
GC TEMP: 265 DEG. C
ENHANCED (S 15B 2N 0T)

DATA: AD18513594 #1649
CALI: AD18513594 #2

BASE M/Z: 202
RIC: 1918.

00853

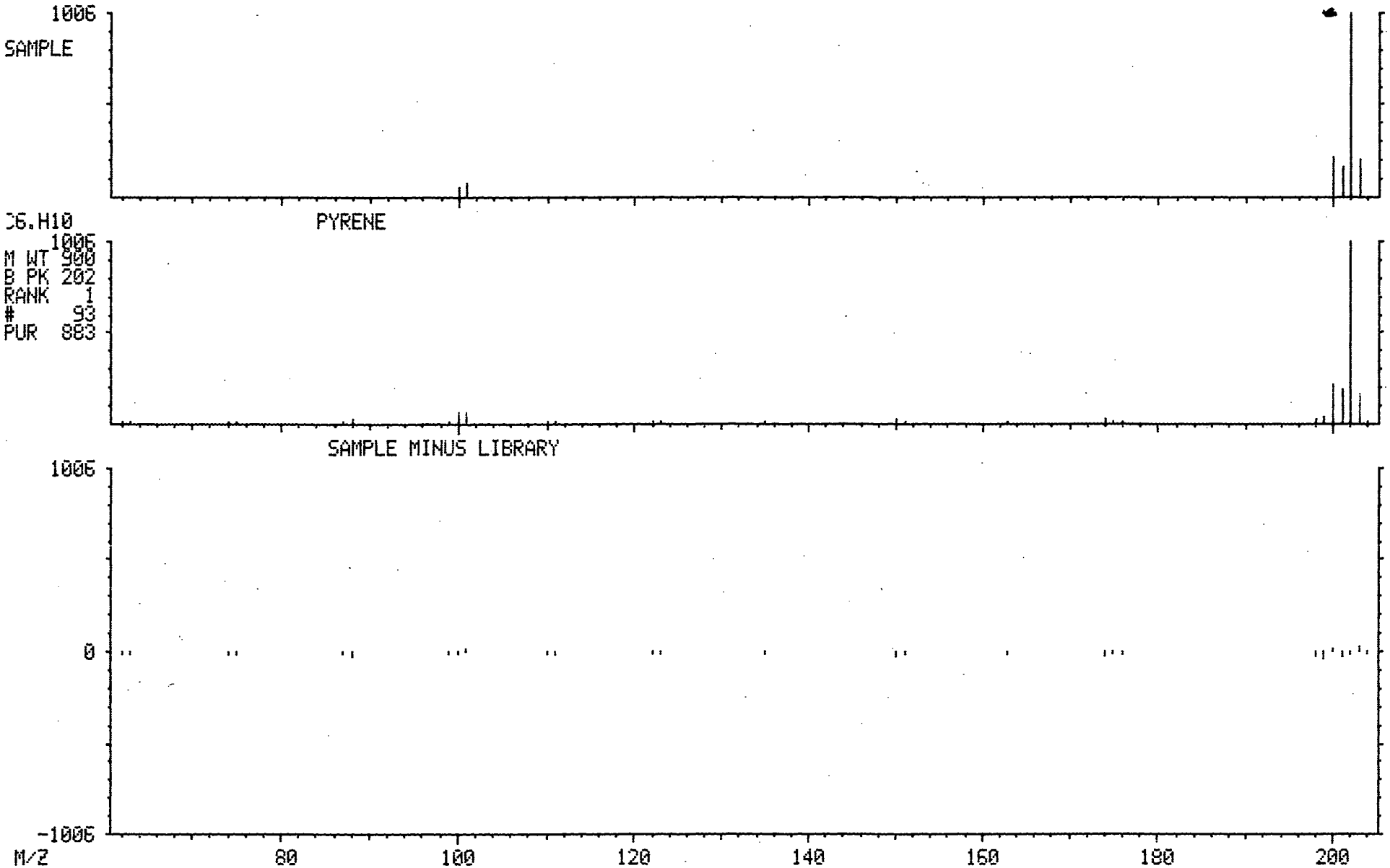


MID LIBRARY SEARCH
06/14/91 21:22:00 + 26:31
SAMPLE: S10 91-13594
CONDS.: MS-B CASE: EOH0022
ENHANCED (S 15B 2N 0T)

DATA: AD18513594 #1649
CALI: AD18513594 # 2

BASE M/Z: 202
RIC: 1917.

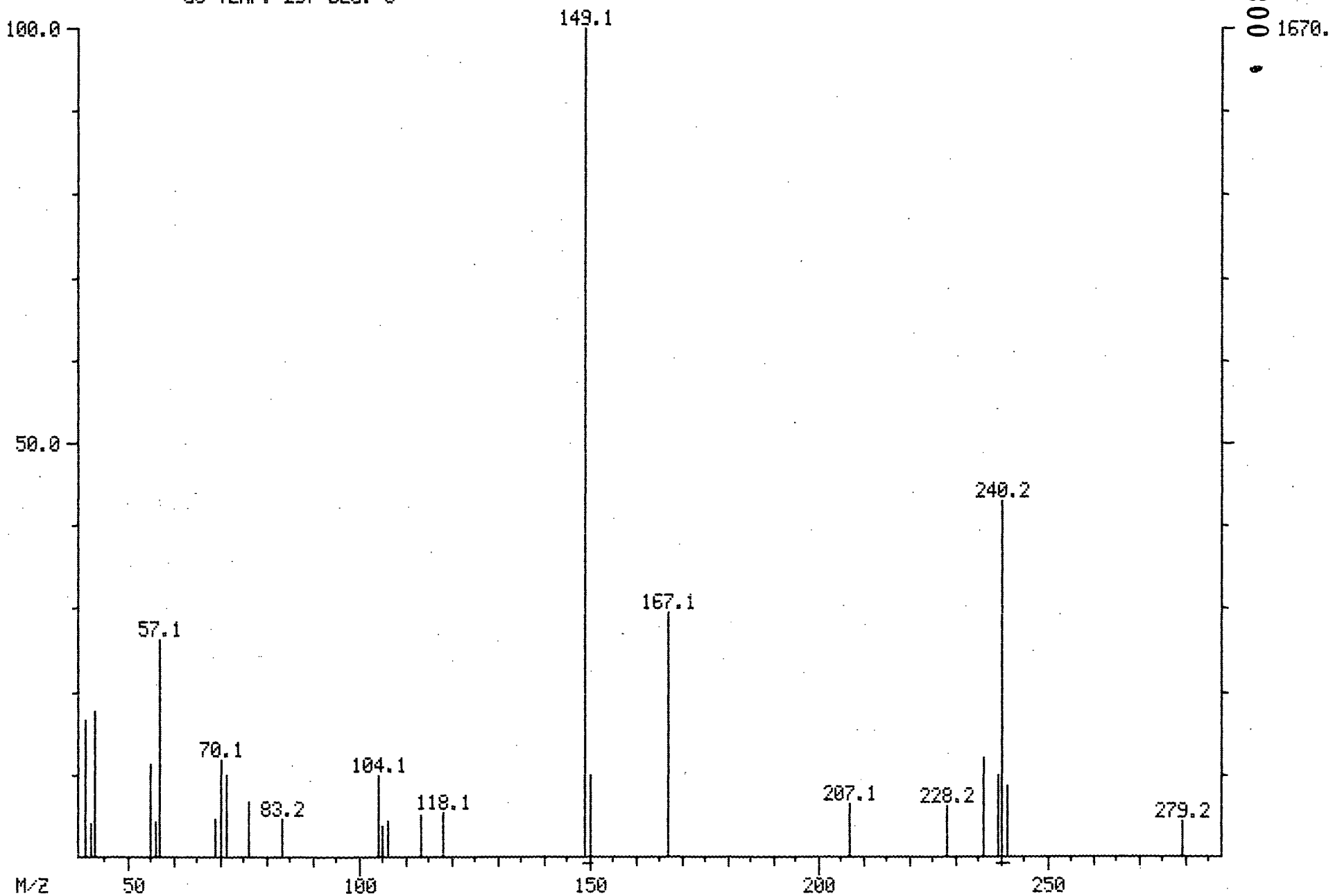
00854



MID MASS SPECTRUM
06/14/91 21:22:00 + 29:43
SAMPLE: S10 91-13594
CONDS.: MS-B CASE: EOH0022
GC TEMP: 297 DEG. C

DATA: AD18S13594 #1848
CALI: AD18S13594 #2

BASE M/Z: 149
RIC: 6296.



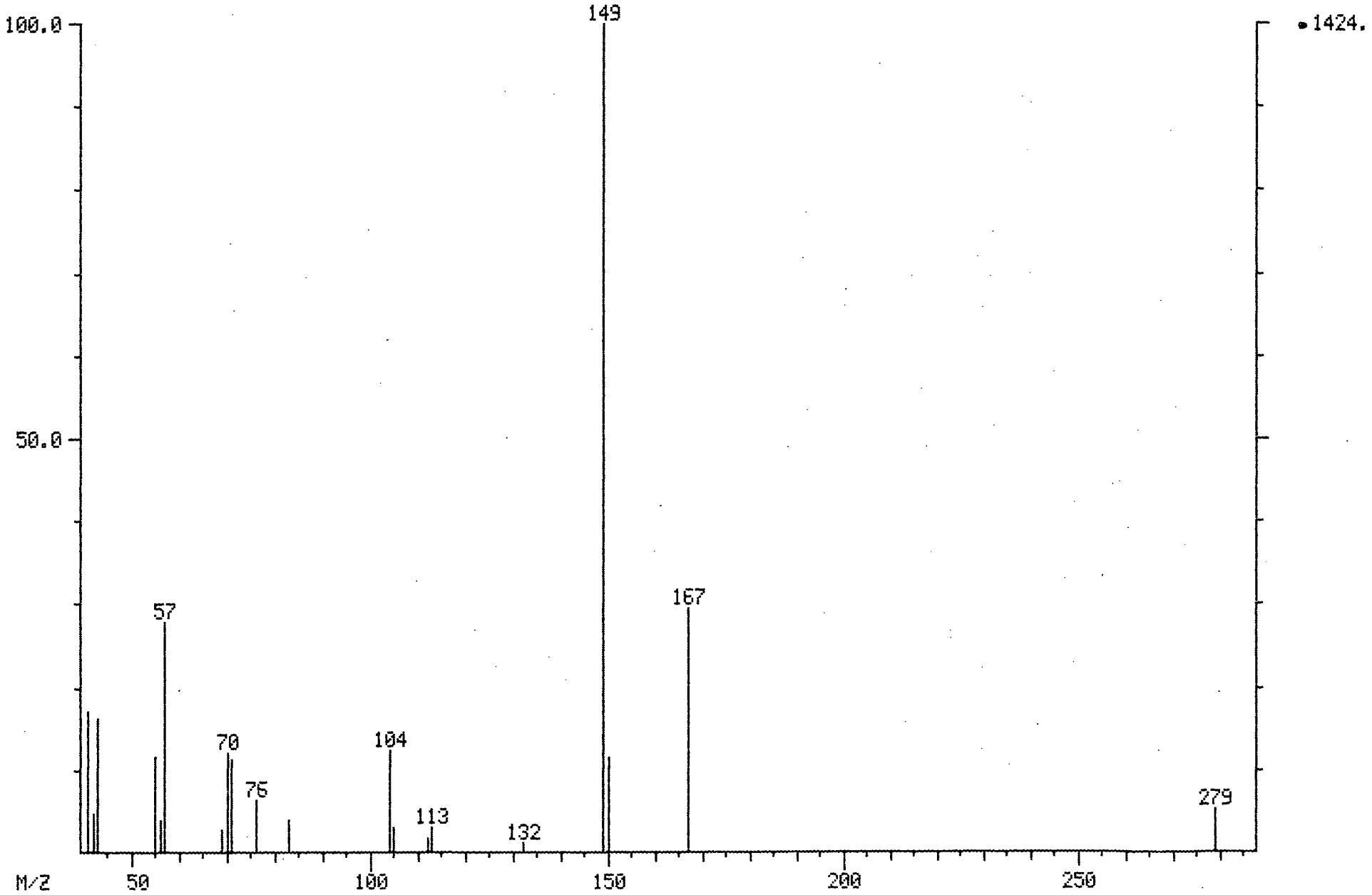
00855

MID MASS SPECTRUM
06/14/91 21:22:00 + 29:43
SAMPLE: S10 91-13594
CONDS.: MS-B CASE: EOH0022
GC TEMP: 297 DEG. C
ENHANCED (S 15B 2N 0T)

DATA: AD18513594 #1848
CALI: AD18513594 #2

BASE M/Z: 149
RIC: 4068.

00856

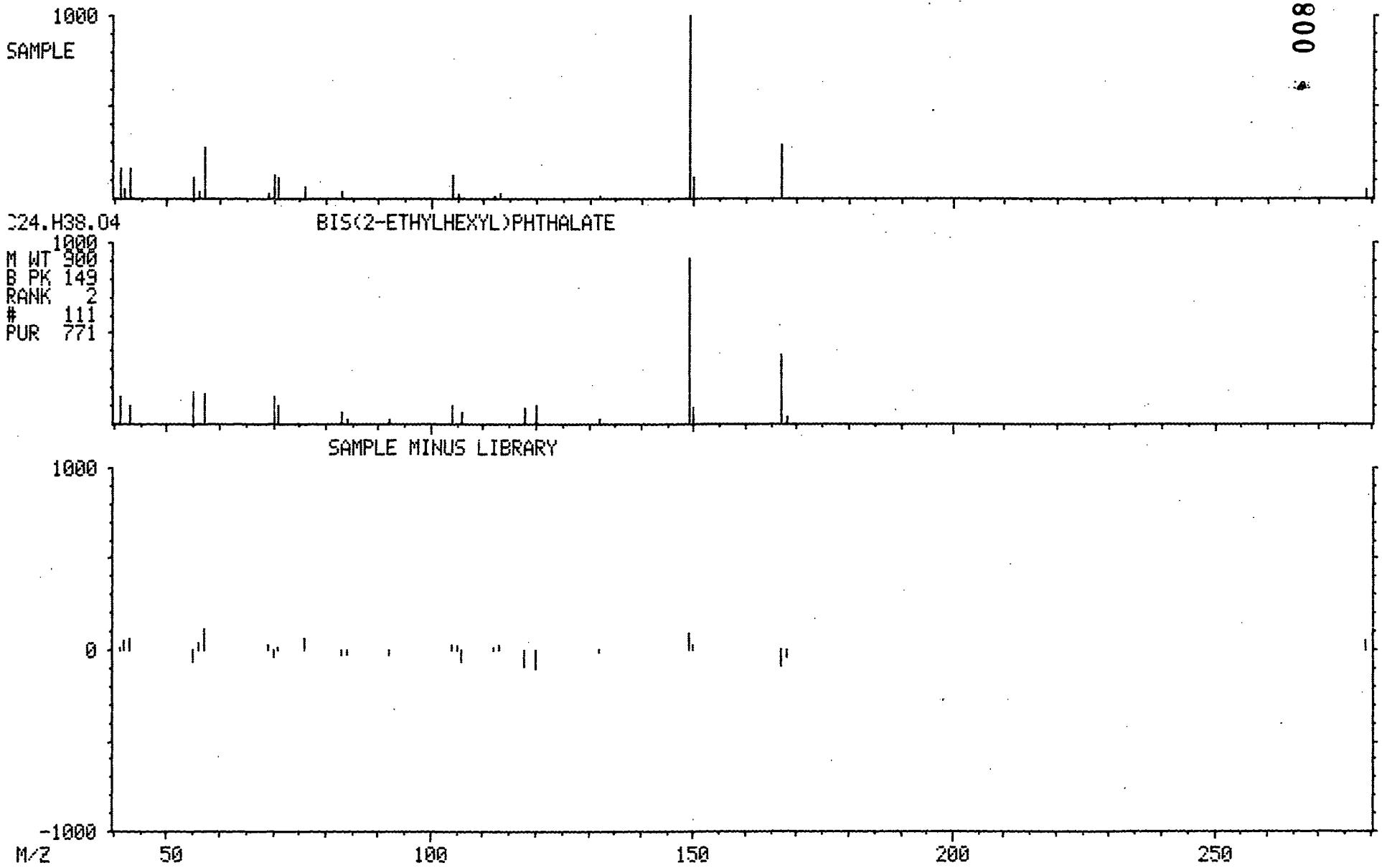


MID LIBRARY SEARCH
06/14/91 21:22:00 + 29:43
SAMPLE: S10 91-13594
CONDS.: MS-B CASE: EOH0022
ENHANCED (S 15B 2N 0T)

DATA: AD18S13594 #1848
CALI: AD18S13594 # 2

BASE M/Z: 149
RIC: 4067.

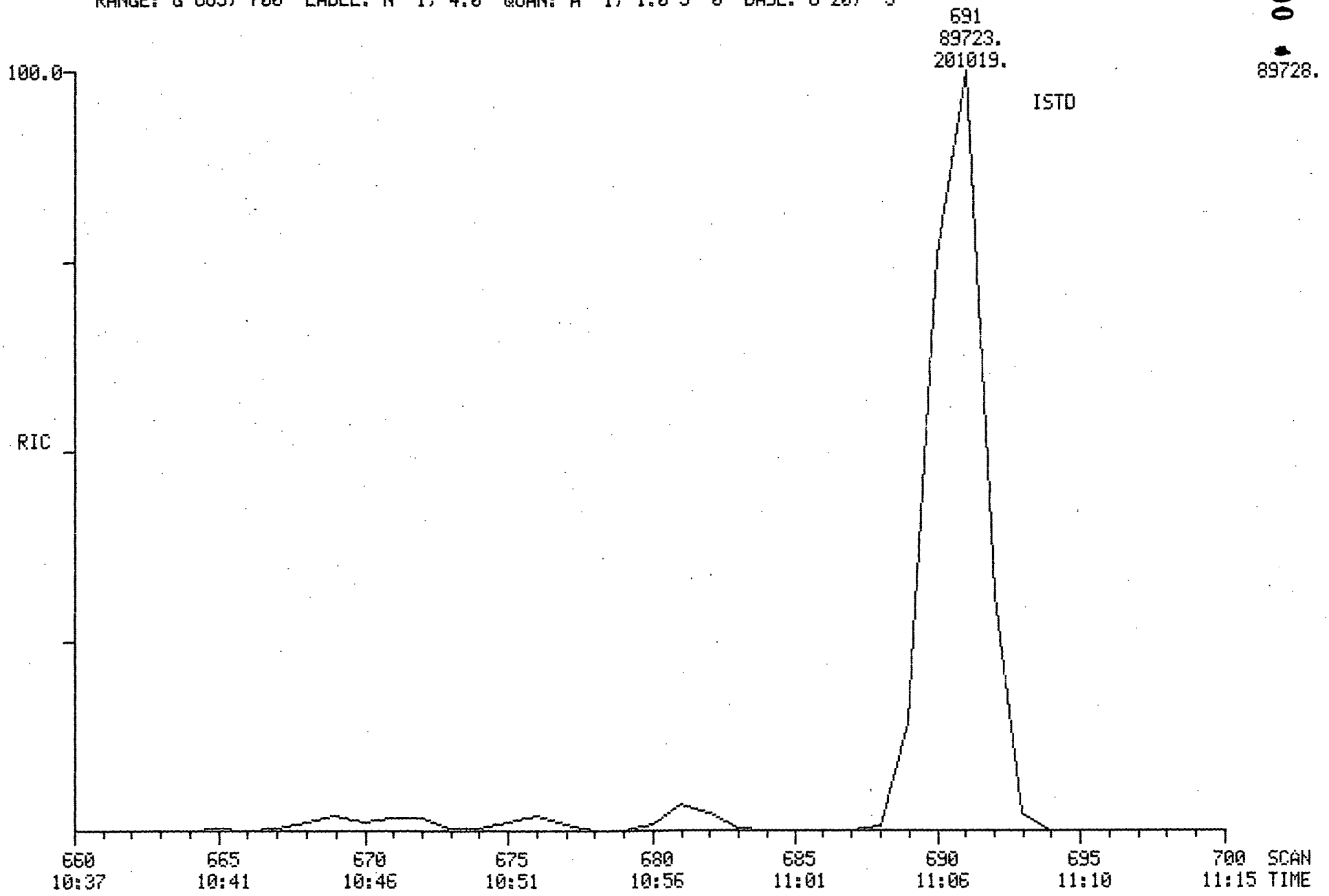
00857



MIDRIC
06/14/91 21:22:00
SAMPLE: S10 91-13594
CONDS.: MS-B CASE: EOH0022
RANGE: G 685, 700 LABEL: N 1, 4.0 QUAN: A 1, 1.0 J 0 BASE: U 20, 3

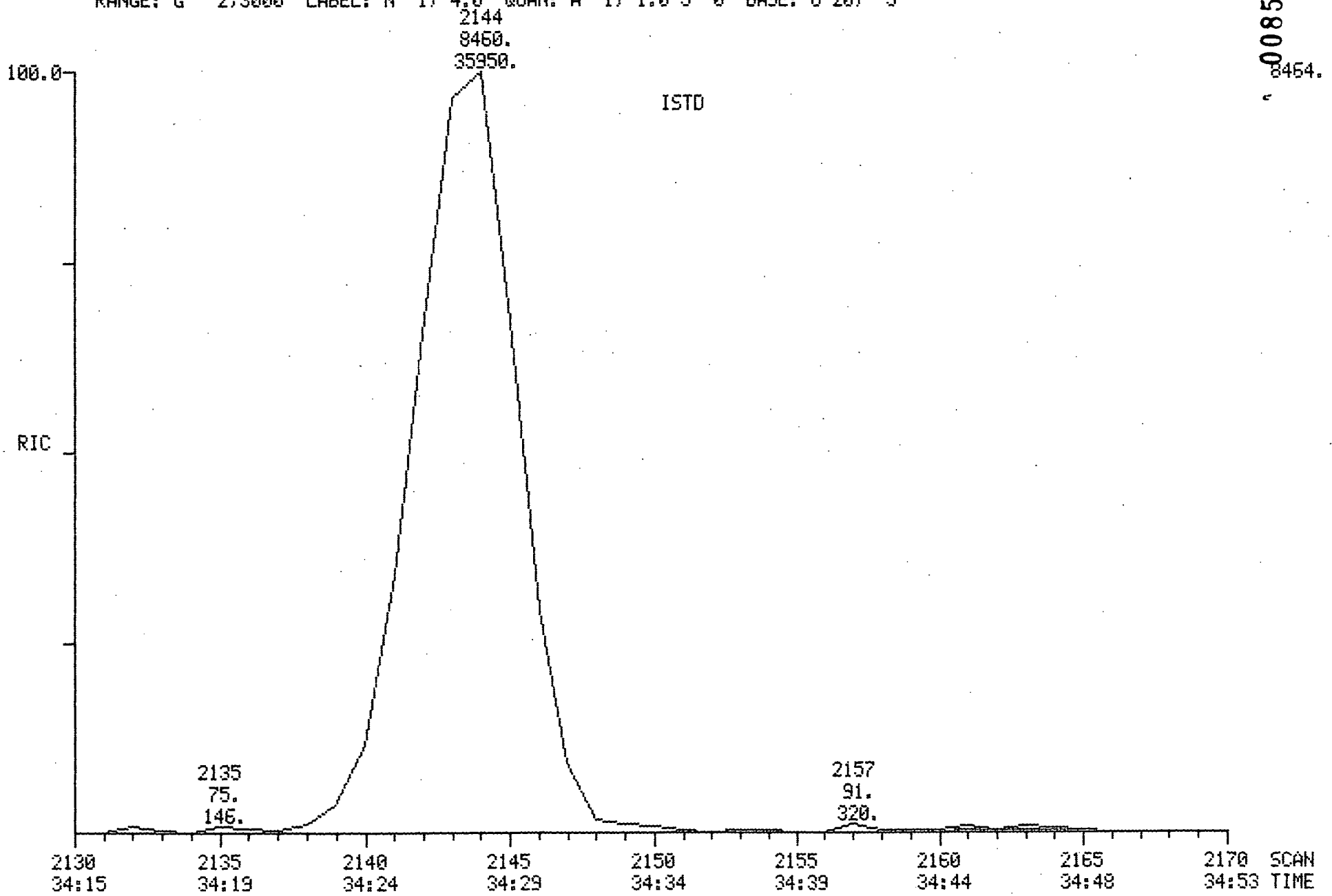
DATA: AD18513594 #1 SCANS 660 TO 700
CALI: AD18513594 #2

00858



MIDRIC
06/14/91 21:22:00
SAMPLE: S10 91-13594
CONDS.: MS-B CASE: EOH0022
RANGE: G 2,3000 LABEL: N 1, 4.0 QUAN: A 1, 1.0 J 0 BASE: U 20, 3

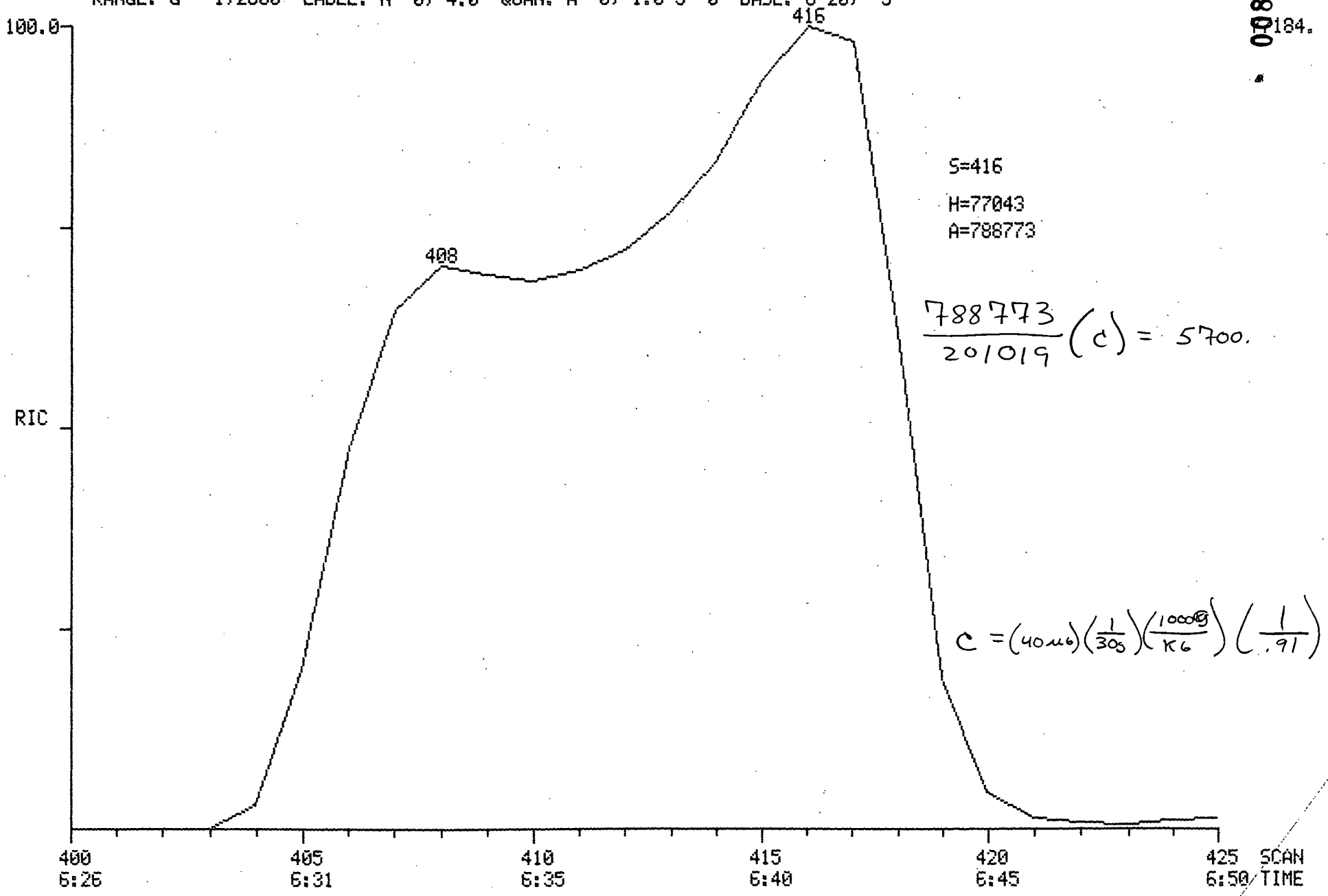
DATA: AD18513594 #1 SCANS 2130 TO 2170
CALI: AD18513594 #2



00859

MIDRIC
06/14/91 21:22:00
SAMPLE: S10 91-13594
CONDS.: MS-B CASE: EOH0022
RANGE: G 1,2800 LABEL: N 0, 4.0 QUAN: A 0, 1.0 J 0 BASE: U 20, 3

DATA: AD18513594 #1 SCANS 400 TO 425
CALI: AD18513594 #2



S=416
H=77043
A=788773

$\frac{788773}{201019}(c) = 5700.$

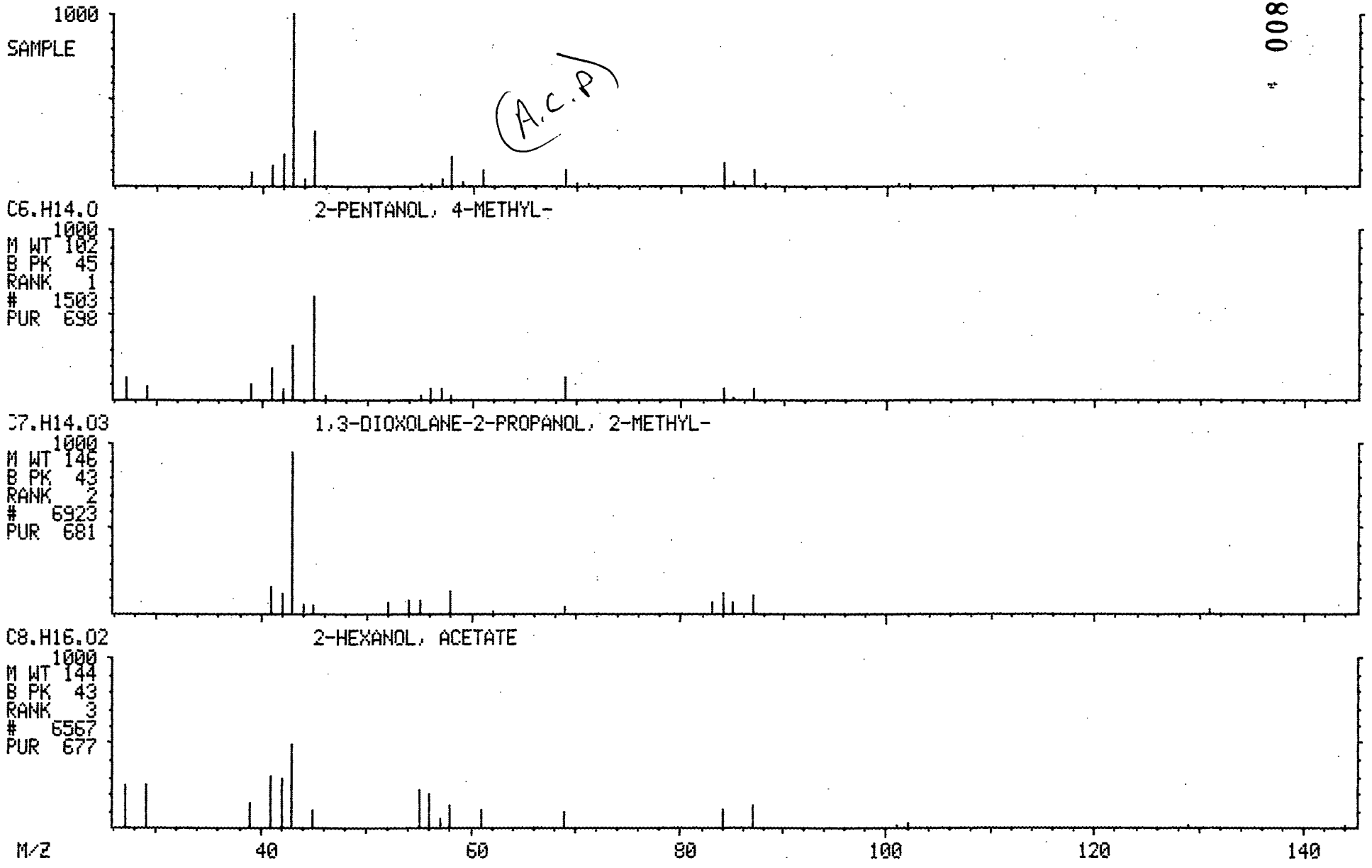
$c = (40\mu g)\left(\frac{1}{30g}\right)\left(\frac{1000g}{Kg}\right)\left(\frac{1}{.91}\right)$

00860

MID LIBRARY SEARCH
06/14/91 21:22:00 + 6:41
SAMPLE: S10 91-13594
CONDS.: MS-B CASE: EOH0022
ENHANCED (S 15B 2N 0T)

DATA: AD18513594 # 416 BASE M/Z: 43
CALI: AD18513594 # 2 RIC: 48511.

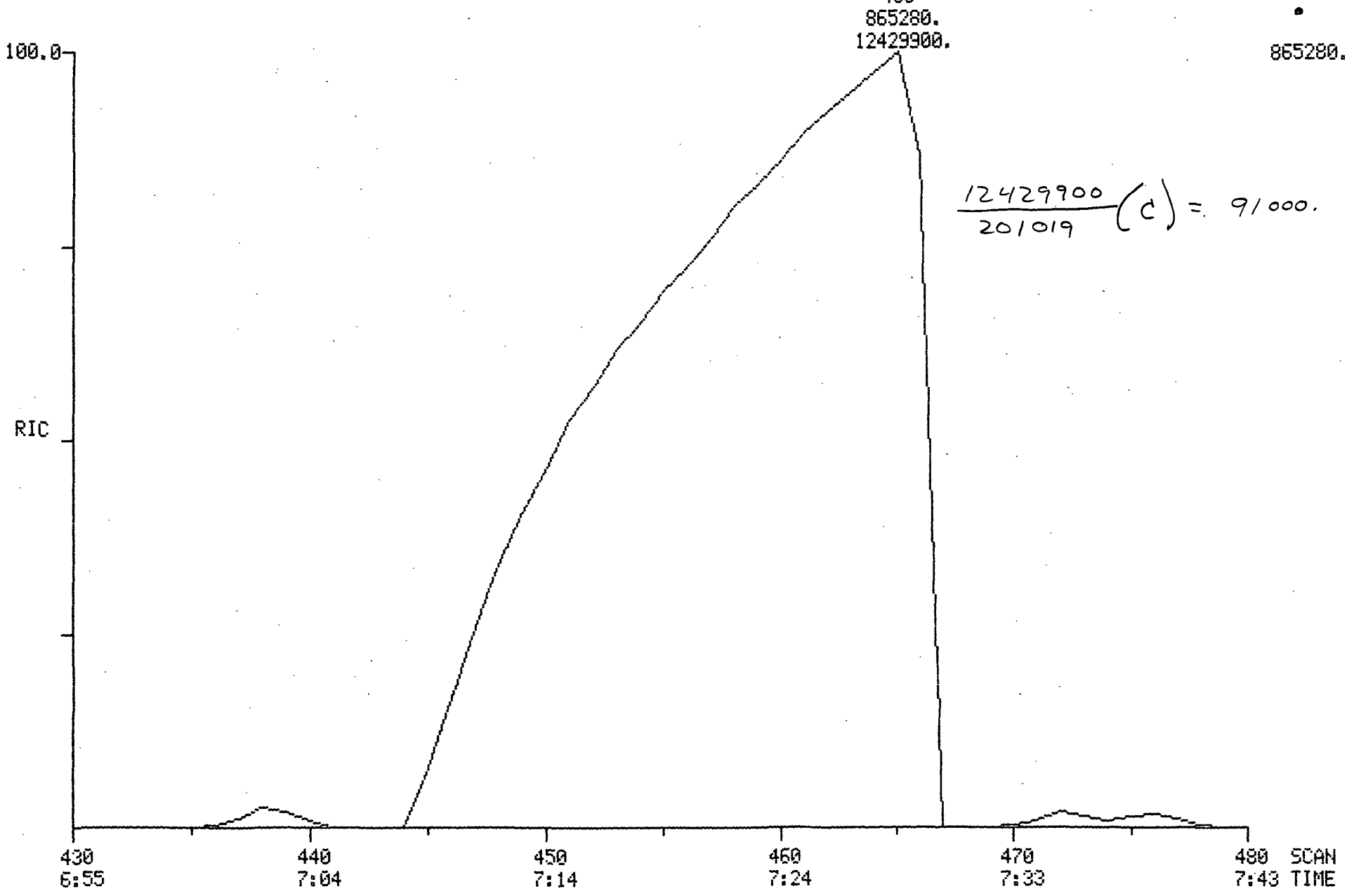
19800 00861



MIDRIC
06/14/91 21:22:00
SAMPLE: S10 91-13594
CONDS.: MS-B CASE: EOH0022
RANGE: G 440, 470 LABEL: N 1, 4.0 QUAN: A 1, 1.0 J 0 BASE: U 20, 3

DATA: AD18513594 #1 SCANS 430 TO 480
CALI: AD18513594 #2

00862



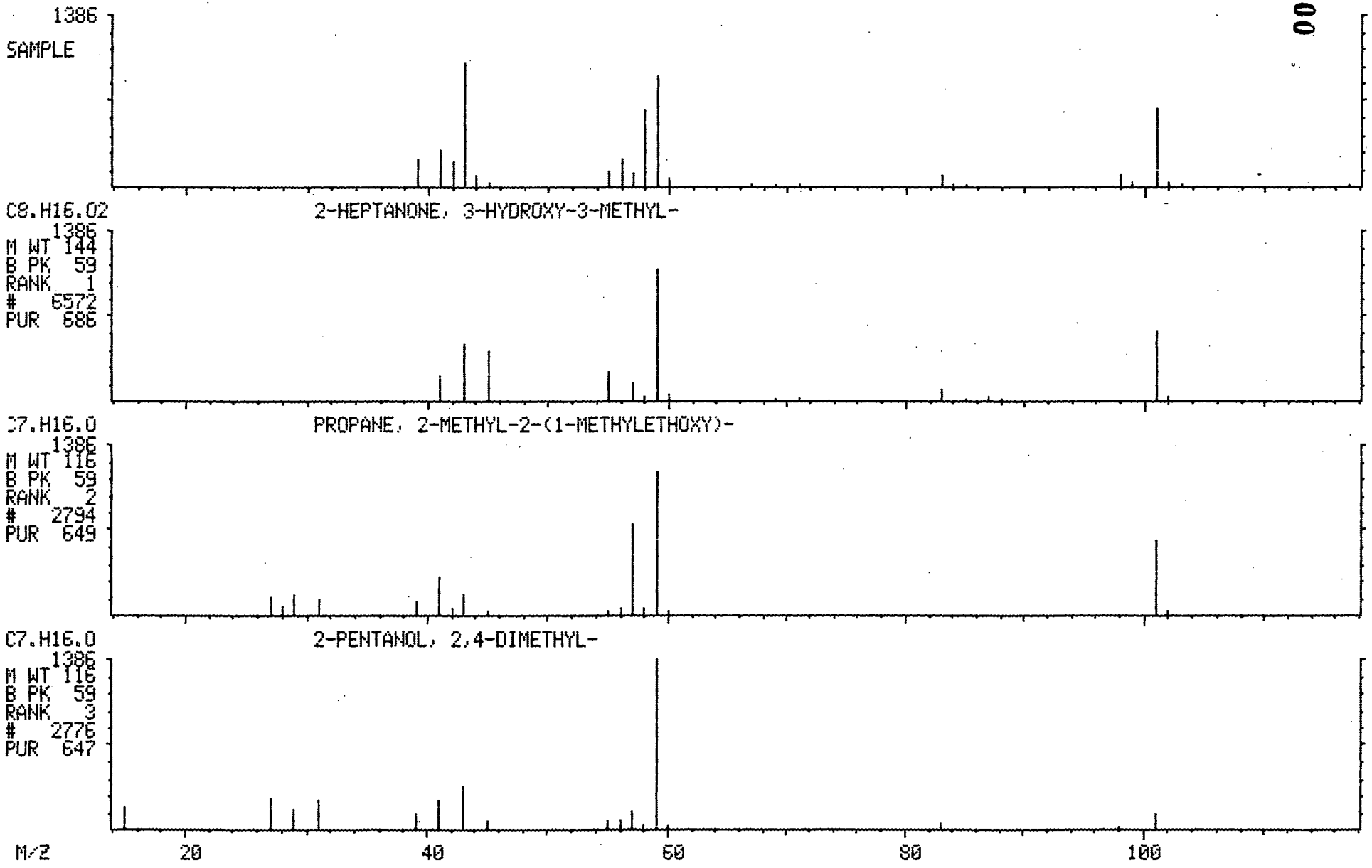
$\frac{12429900}{201019}(c) = 91000.$

MID LIBRARY SEARCH
06/14/91 21:22:00 + 7:29
SAMPLE: S10 91-13594
CONDS.: MS-B CASE: EOH0022
ENHANCED (S 15B 2N 0T)

DATA: AD18513594 # 465
CALI: AD18513594 # 2

BASE M/Z: 43
RIC: 563199.

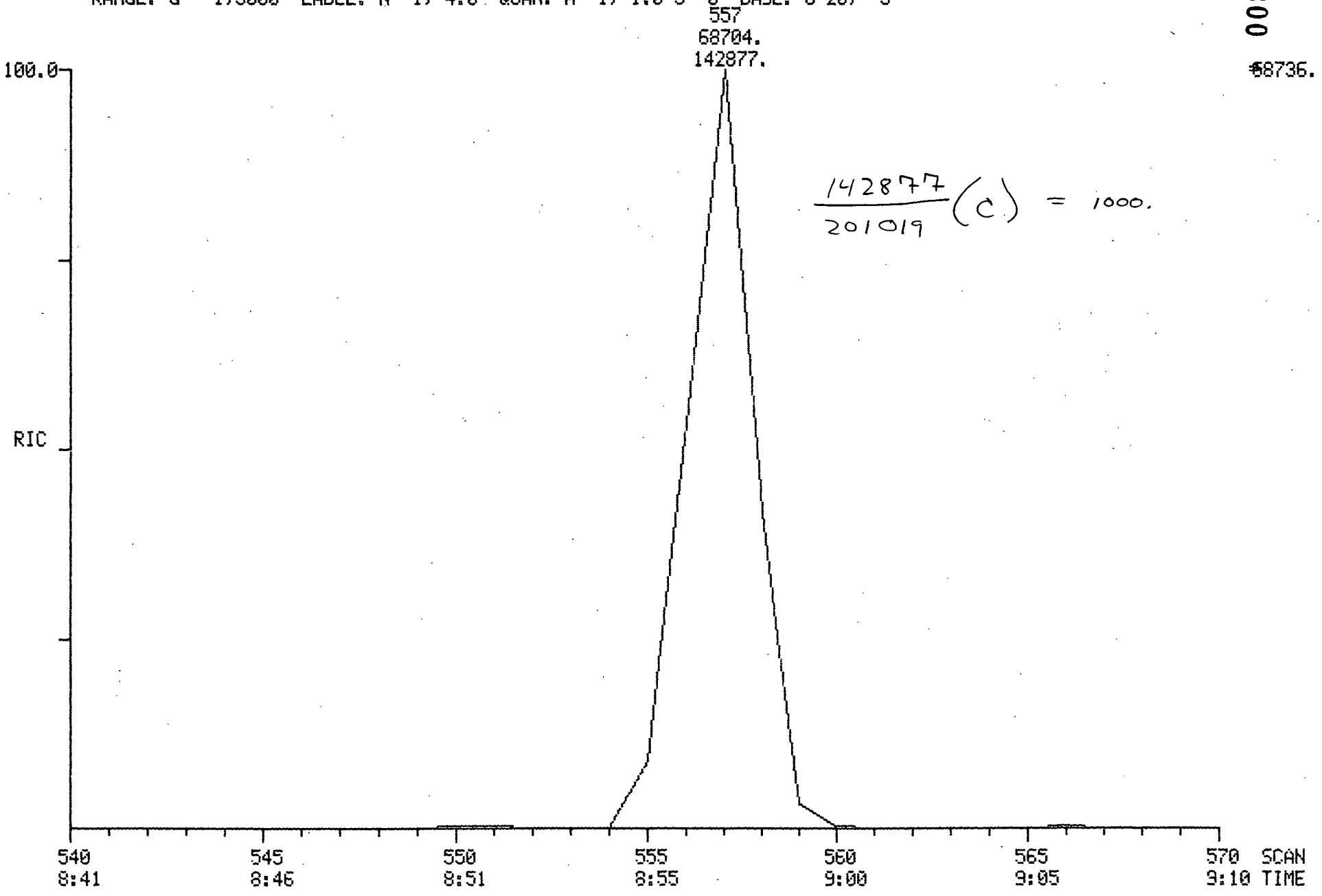
00863



MIDRIC
06/14/91 21:22:00
SAMPLE: S10 91-13594
CONDS.: MS-B CASE: EOH0022
RANGE: G 1,3000 LABEL: N 1, 4.0 QUAN: A 1, 1.0 J 0 BASE: U 20, 3

DATA: AD18513594 #1 SCANS 540 TO 570
CALI: AD18513594 #2

00864



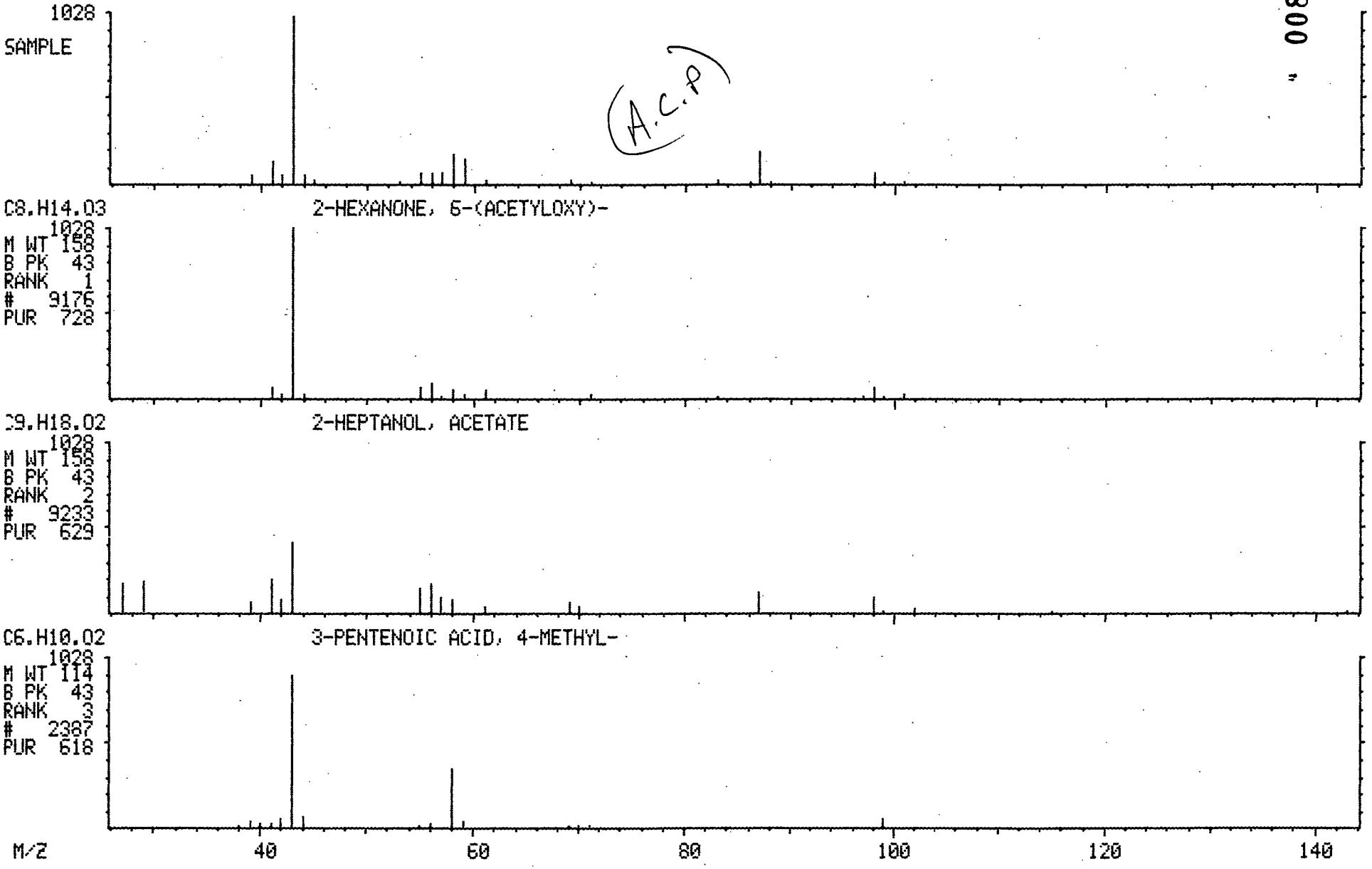
$\frac{142877}{201019}(c) = 1000.$

MID LIBRARY SEARCH
06/14/91 21:22:00 + 8:57
SAMPLE: S10 91-13594
CONDS.: MS-B CASE: EOH0022
ENHANCED (S 15B 2N 0T)

DATA: AD18513594 # 557
CALI: AD18513594 # 2

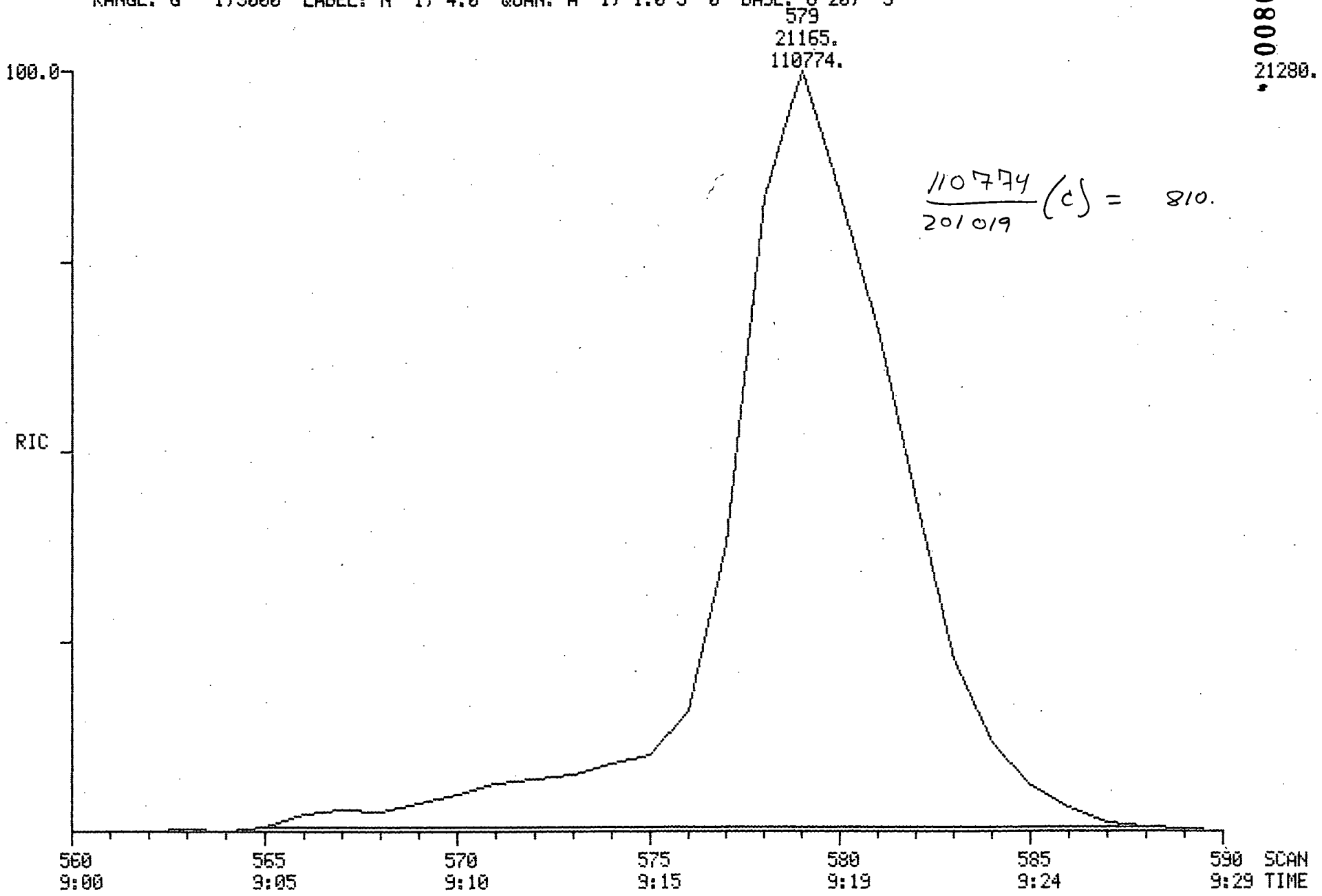
BASE M/Z: 43
RIC: 54463.

00865



MIDRIC
06/14/91 21:22:00
SAMPLE: S10 91-13594
CONDS.: MS-B CASE: EOH0022
RANGE: G 1,3000 LABEL: N 1, 4.0 QUAN: A 1, 1.0 J 0 BASE: U 20, 3

DATA: AD18S13594 #1 SCANS 560 TO 590
CALI: AD18S13594 #2



$\frac{110774}{201019}(c) = 810.$

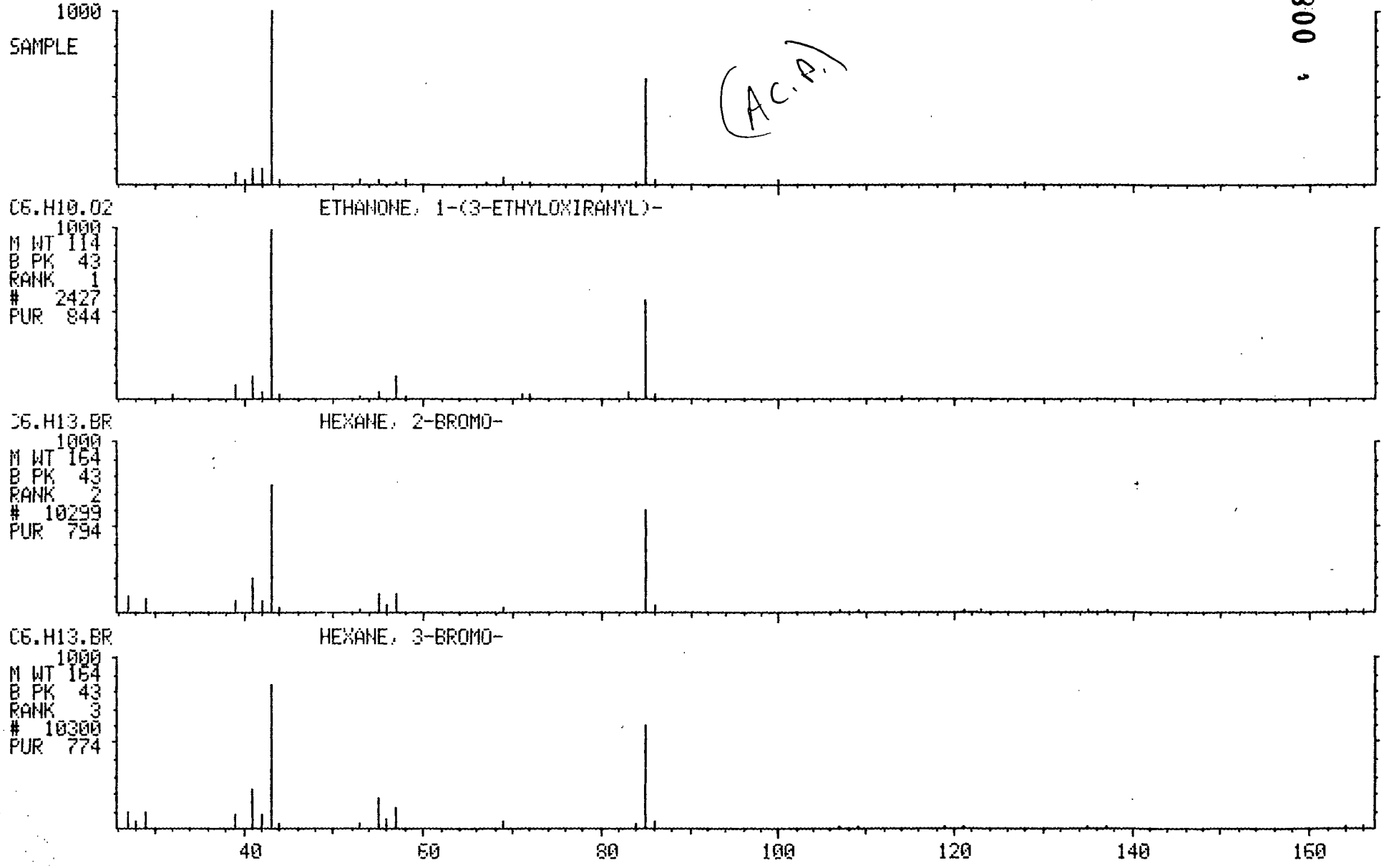
000866

MID LIBRARY SEARCH
05/14/91 21:22:00 + 9:18
SAMPLE: S10 91-13594
CONDS.: MS-B CASE: EOH0022
ENHANCED (S 15B 2N 0T)

DATA: AD18513594 # 579 BASE M/Z: 43
CALI: AD18513594 # 2 RIC: 19135.

00867

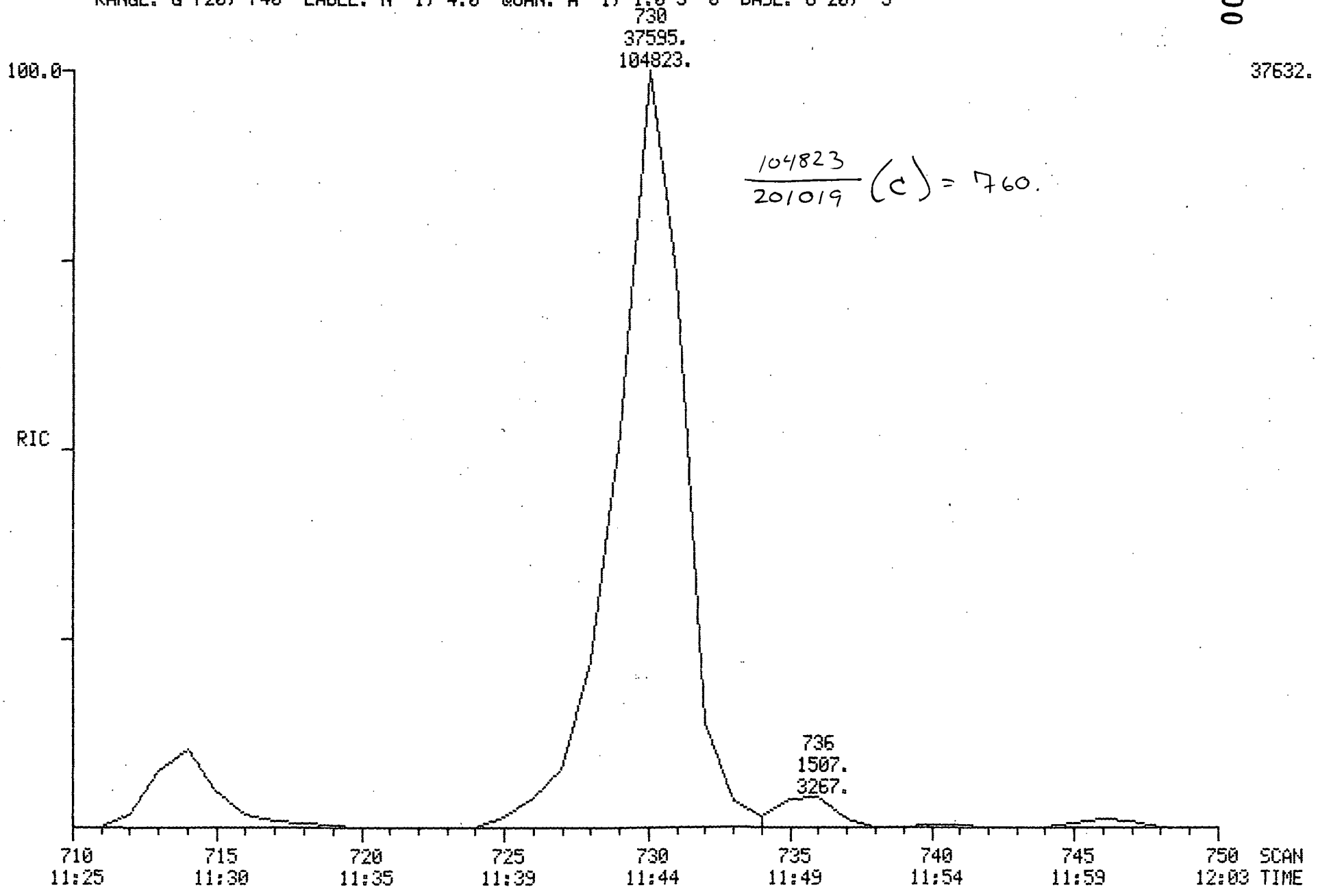
(A.C.P.)



MIDRIC
06/14/91 21:22:00
SAMPLE: S10 91-13594
CONDS.: MS-B CASE: EOH0022
RANGE: G 720, 740 LABEL: N 1, 4.0 QUAN: A 1, 1.0 J 0 BASE: U 20, 3

DATA: AD18513594 #1 SCANS 710 TO 750
CALI: AD18513594 #2

00868

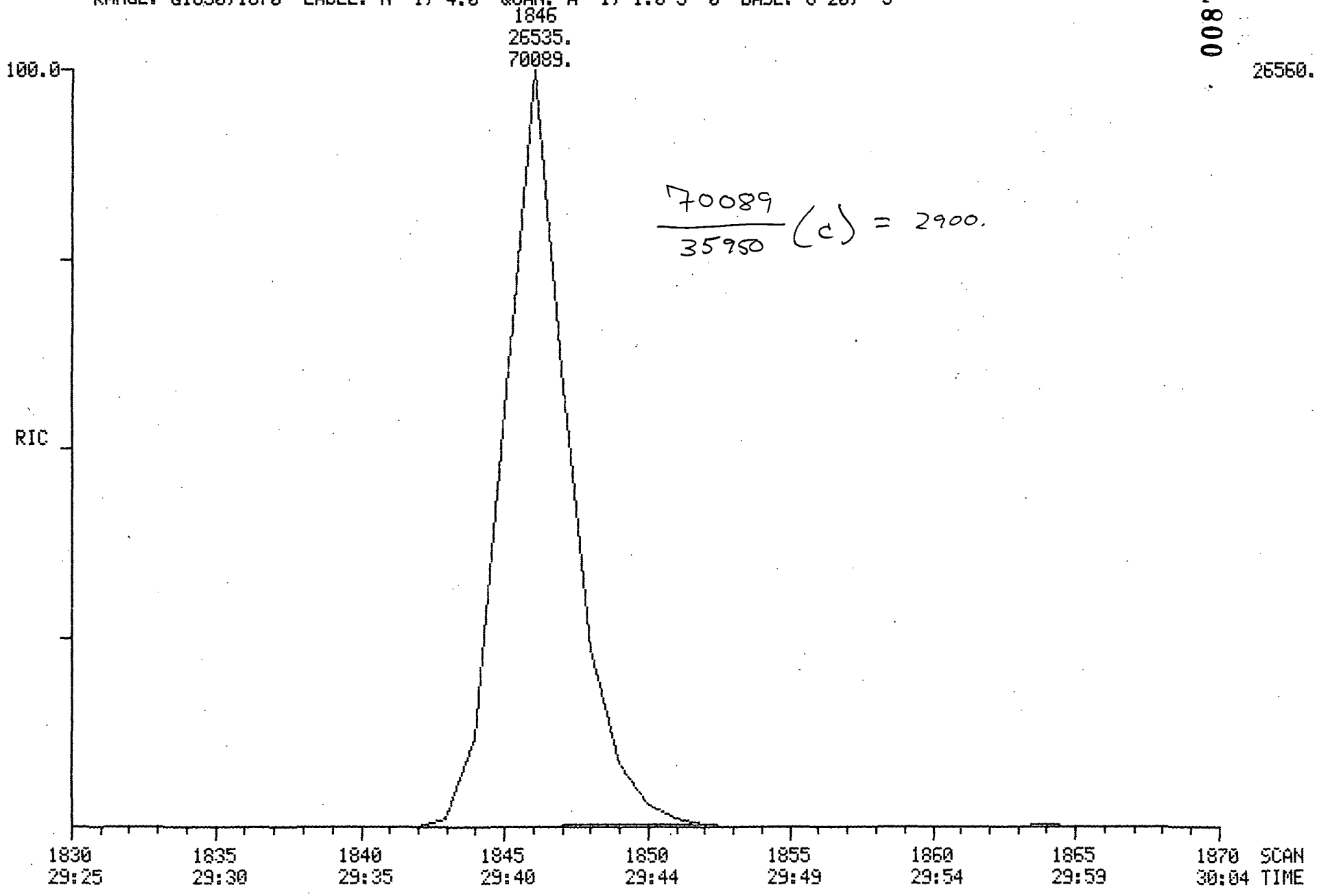


$\frac{104823}{201019}$ (c) = 760.

MIDRIC
06/14/91 21:22:00
SAMPLE: S10 91-13594
CONDS.: MS-B CASE: EOH0022
RANGE: G1830,1870 LABEL: N 1, 4.0 QUAN: A 1, 1.0 J 0 BASE: U 20, 3

DATA: AD18513594 #1 SCANS 1830 TO 1870
CALI: AD18513594 #2

00870

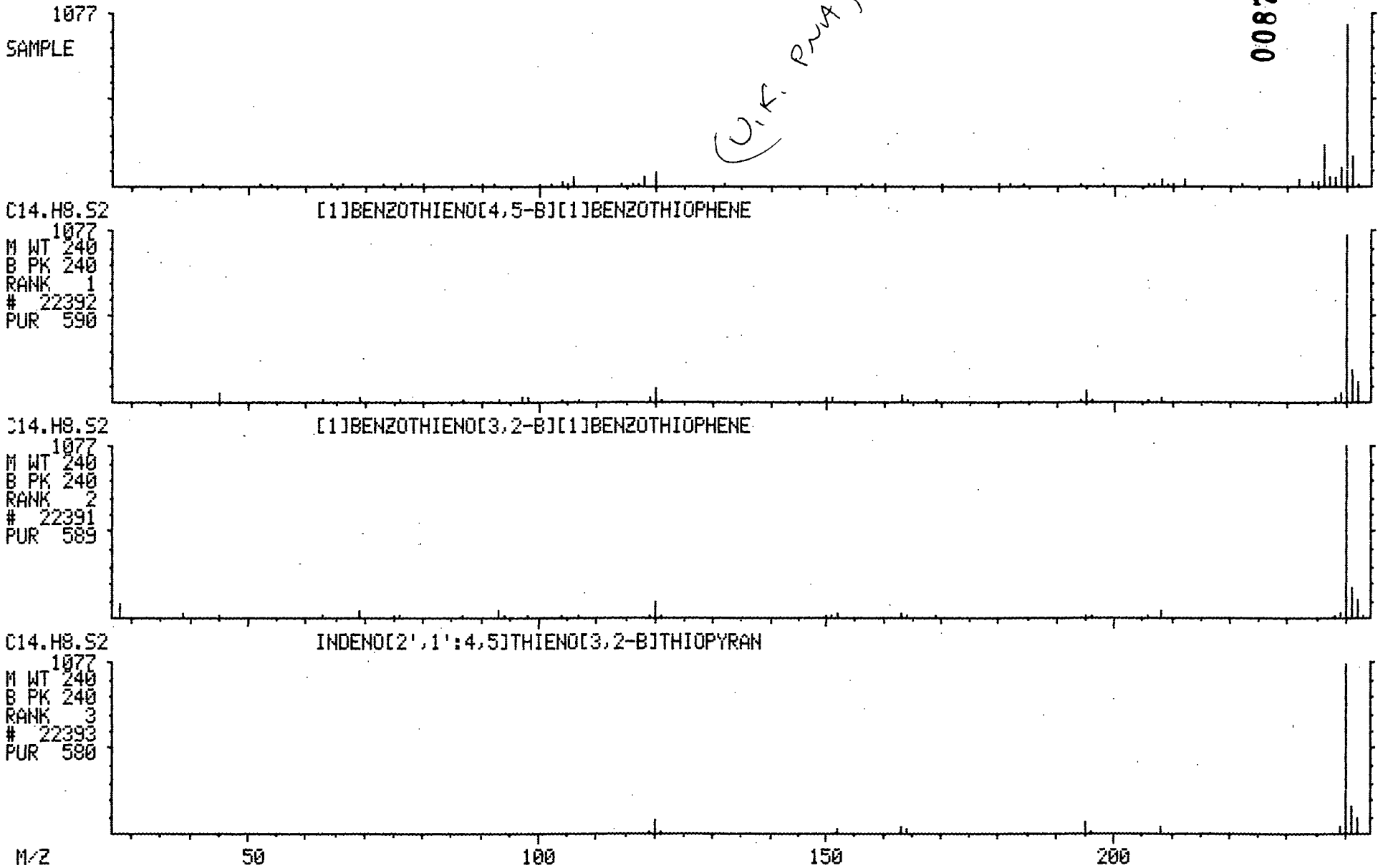


$\frac{70089}{35950}(c) = 2900.$

MID LIBRARY SEARCH
06/14/91 21:22:00 + 29:41
SAMPLE: S10 91-13594
CONDS.: MS-B CASE: EOH0022
ENHANCED (S 15B 2N 0T)

DATA: AD18S13594 #1846 BASE M/Z: 240
CALI: AD18S13594 # 2 RIC: 21599.

00871



SV
STANDARDS DATA

SV
STANDARDS DATA
INITIAL CALIBRATION DATA

6B

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: DATACHEM LABS Contract: 19005

Lab Code: DATAC Case No.: E0400022 SAS No.: _____ SDG No.: 13585

Instrument ID: MS-B Calibration Date(s): 6-14-91 6-14-91

Min $\overline{RRF}$ for SPCC(#) = 0.050 Max %RSD for CCC(*) = 30.0%

LAB FILE ID: RRF20 = AD1220STD RRF50 = AD1150STD
RRF80 = AD1380STD RRF120= AD14120STD RRF160= AD16160STD

COMPOUND		RRF20	RRF50	RRF80	RRF120	RRF160	$\overline{RRF}$	% RSD	
Phenol	17 *	2.322	2.706	2.258	2.217	2.441	2.389	8.2	*
bis(2-Chloroethyl)ether									
2-Chlorophenol									
1,3-Dichlorobenzene									
1,4-Dichlorobenzene	22 *	1.654	1.690	1.620	1.583	1.644	1.634	2.1	*
Benzyl alcohol									
1,2-Dichlorobenzene									
2-Methylphenol									
bis(2-Chloroisopropyl)ether									
4-Methylphenol									
N-Nitroso-di-n-propylamine	28 #	1.707	1.833	1.731	1.791	1.846	1.782	3.4	#
Hexachloroethane									
Nitrobenzene									
Isophorone									
2-Nitrophenol	34 *	0.211	0.233	0.216	0.222	0.236	0.224	4.8	*
2,4-Dimethylphenol									
Benzoic acid		—							
bis(2-Chloroethoxy)methane									
2,4-Dichlorophenol	38 *	0.348	0.332	0.330	0.339	0.300	0.330	5.5	*
1,2,4-Trichlorobenzene									
Naphthalene									
4-Chloroaniline									
Hexachlorobutadiene	43 *	0.268	0.184	0.234	0.232	0.224	0.228	12.7	*
4-Chloro-3-methylphenol	45 *	0.355	0.420	0.384	0.383	0.405	0.389	6.3	*
2-Methylnaphthalene									
Hexachlorocyclopentadiene	48 #	0.202	0.204	0.266	0.247	0.270	0.238	13.8	#
2,4,6-Trichlorophenol	49 *	0.393	0.412	0.466	0.402	0.417	0.418	6.8	*
2,4,5-Trichlorophenol		—							
2-Chloronaphthalene									
2-Nitroaniline		—							
Dimethylphthalate									
Acenaphthylene									
2,6-Dinitrotoluene									
3-Nitroaniline		—							
Acenaphthene	58 *	1.214	1.061	1.170	1.023	0.969	1.087	9.4	*
2,4-Dinitrophenol	59 #	—0.046	0.051	0.085	0.093	0.121	0.079	39.4	#
4-Nitrophenol	60 #	—0.104	0.117	0.140	0.144	0.157	0.132	16.3	#

6C

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: DATACHEM LABS Contract: 19005

Lab Code: DATAC Case No.: E0H0022 SAS No.: _____ SDG No.: 13585

Instrument ID: MS-B Calibration Date(s): 6.14.91 6.14.91

Min $\overline{RRF}$ for SPCC(#) = 0.050 Max %RSD for CCC(*) = 30.0%

LAB FILE ID: RRF20 = AD1220STD RRF50 = AD1150STD
RRF80 = AD1380STD RRF120= AD14120STD RRF160= AD15160STD

COMPOUND	RRF20	RRF50	RRF80	RRF120	RRF160	$\overline{RRF}$	% RSD	
Dibenzofuran								
2,4-Dinitrotoluene								
Diethylphthalate								
4-Chlorophenyl-phenylether								
Fluorene								
4-Nitroaniline	—							
4,6-Dinitro-2-methylphenol	—							
N-Nitrosodiphenylamine (1) 72*	1.369	1.265	1.377	1.040	1.052	1.221	~~13.6~~	*
4-Bromophenyl-phenylether								
Hexachlorobenzene			0.100		.087	0.092		
Pentachlorophenol 78*	-0.068	0.075	~~0.158~~	0.108	~~0.149~~	~~0.112~~	~~23.5~~	* 13.8
Phenanthrene								
Anthracene								
Di-n-butylphthalate								
Fluoranthene 84*	0.704	0.828	0.771	0.778	0.803	0.777	6.0	*
Pyrene								
Butylbenzylphthalate								
3,3'-Dichlorobenzidine								
Benzo(a)anthracene								
Chrysene								
bis(2-Ethylhexyl)phthalate								
Di-n-octylphthalate 93*	0.901	1.776	1.321	1.397	1.442	1.367	22.9	*
Benzo(b)fluoranthene								
Benzo(k)fluoranthene								
Benzo(a)pyrene 97*	1.024	1.135	1.065	1.073	1.150	1.089	4.8	*
Indeno(1,2,3-cd)pyrene								
Dibenz(a,h)anthracene								
Benzo(g,h,i)perylene								
Nitrobenzene-d5								
2-Fluorobiphenyl								
Terphenyl-d14								
Phenol-d6								
2-Fluorophenol								
2,4,6-Tribromophenol								

(1) Cannot be separated from Diphenylamine

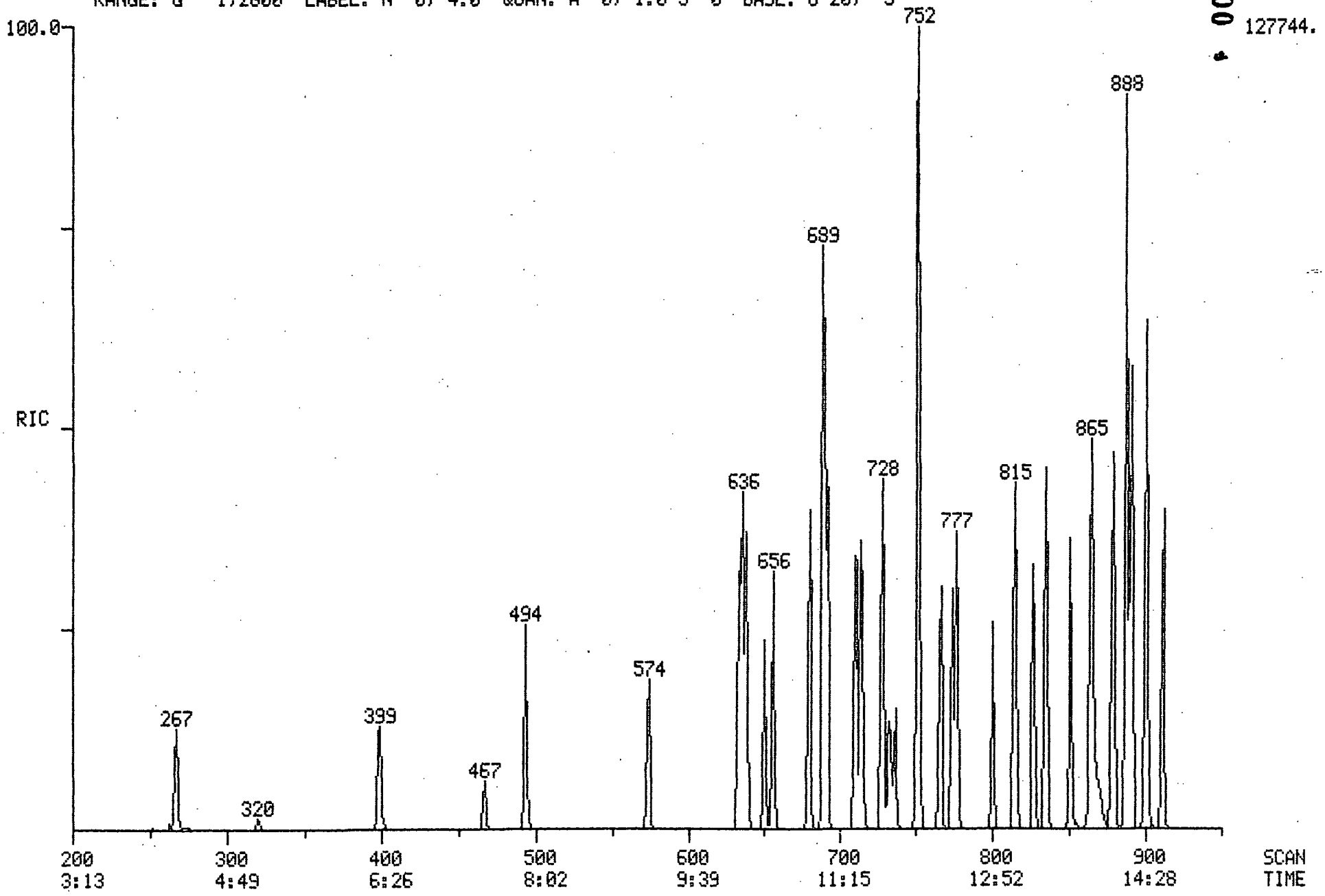
MIDRIC
06/14/91 15:53:00
SAMPLE: SSTD020
CONDS.: MS-B CASE: EOH0022
RANGE: G 1,2800 LABEL: N 0, 4.0 QUAN: A 0, 1.0 J 0 BASE: U 20, 3

DATA: AD1220STD #1
CALI: AD1220STD #2

SCANS 200 TO 950

T.J. Hassan
6.18.91

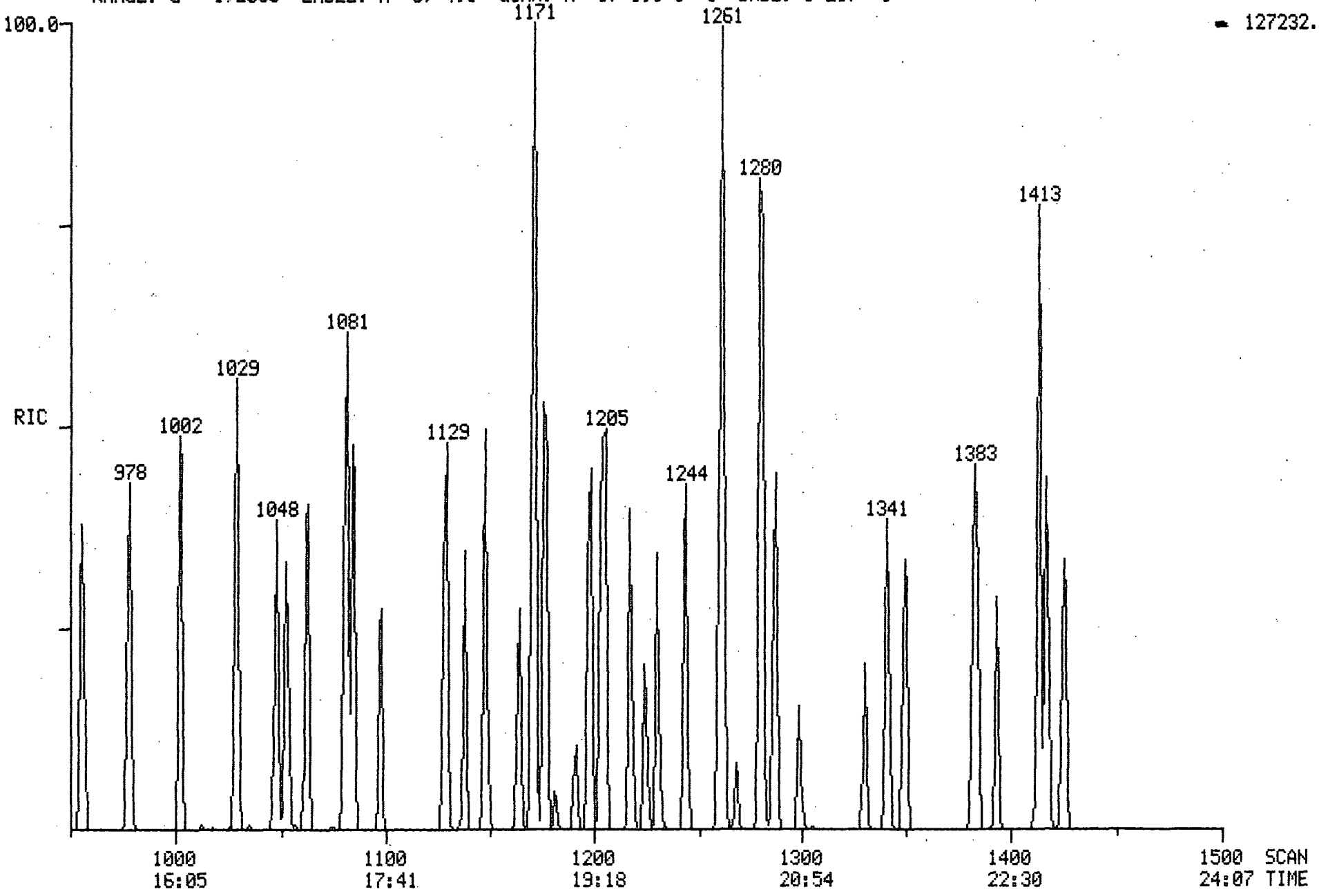
00876



MIDRIC
06/14/91 15:53:00
SAMPLE: SSTD020
CONDS.: MS-B CASE: EOH0022
RANGE: G 1,2800 LABEL: N 0, 4.0 QUAN: A 0, 1.0 J 0 BASE: U 20, 3

DATA: AD1220STD #1 SCANS 950 TO 1500
CALI: AD1220STD #2

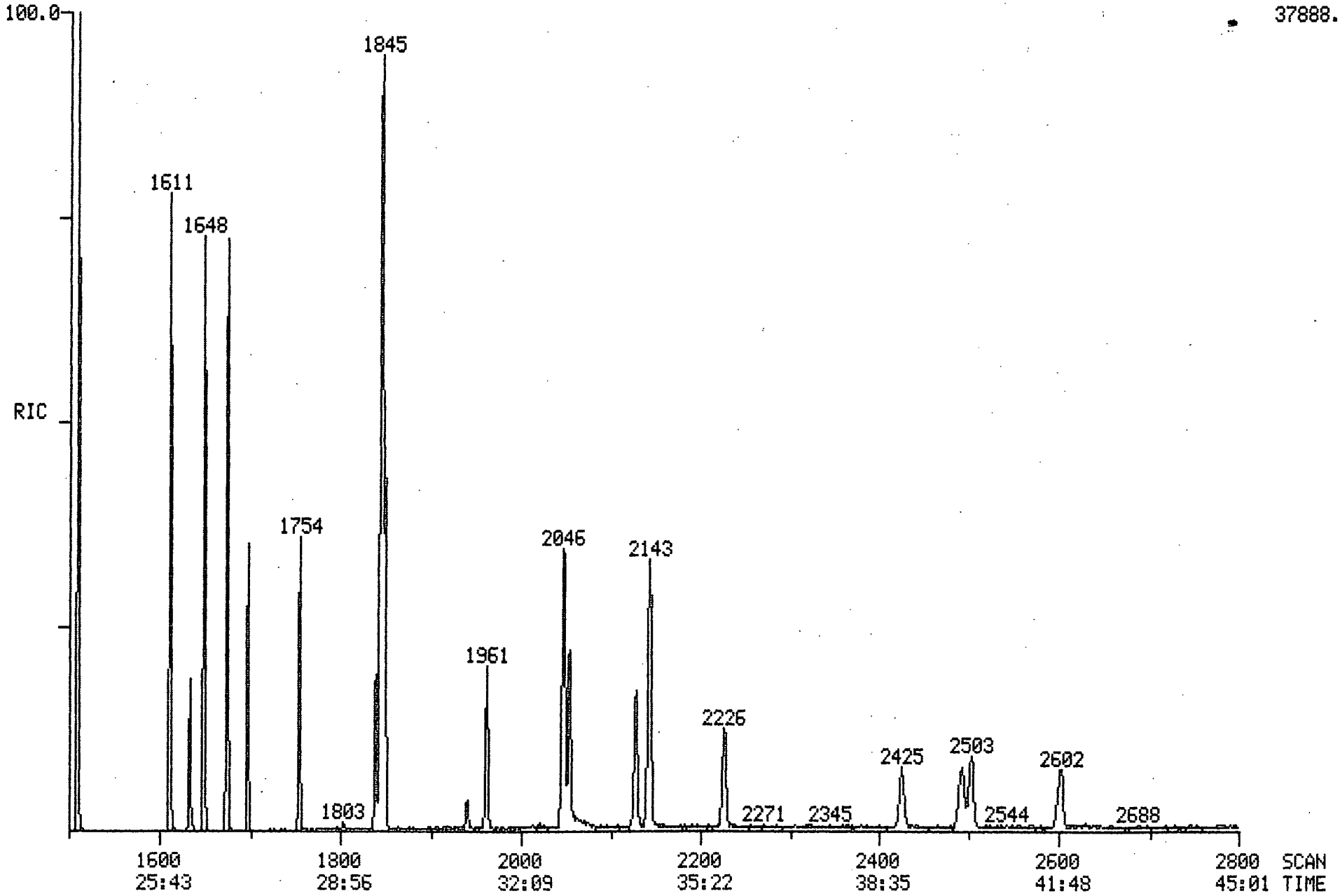
00877



MIDRIC
06/14/91 15:53:00
SAMPLE: SSTD020
CONDS.: MS-B CASE: EOH0022
RANGE: G 1,2800 LABEL: N 0, 4.0 QUAN: A 0, 1.0 J 0 BASE: U 20, 3

DATA: AD1220STD #1 SCANS 1500 TO 2800
CALI: AD1220STD #2

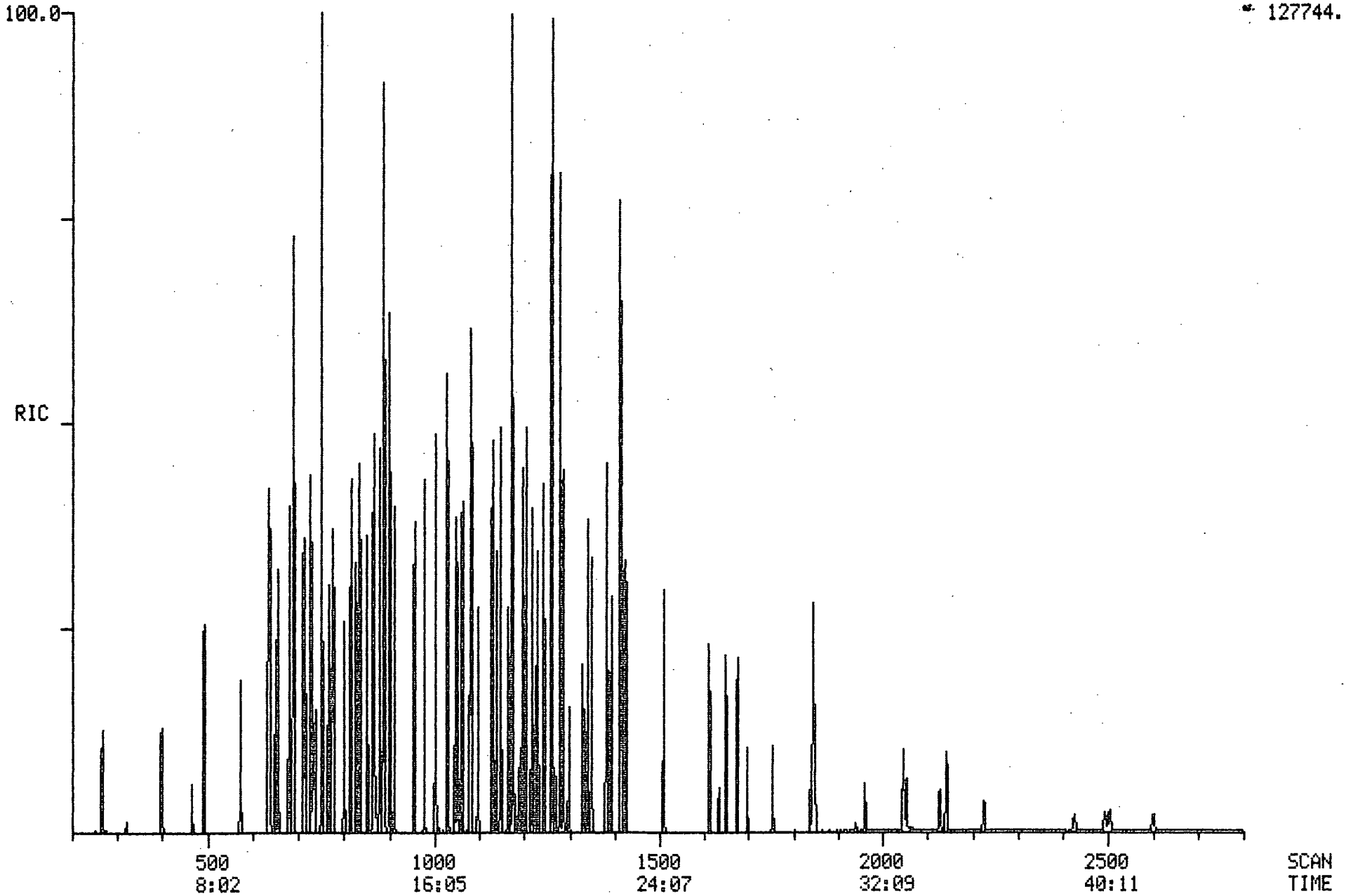
00878



MIDRIC
06/14/91 15:53:00
SAMPLE: SSTD020
CONDS.: MS-B CASE: EOH0022
RANGE: G 1,2800 LABEL: N 0, 4.0 QUAN: A 0, 1.0 J 0 BASE: U 20, 3

DATA: AD1220STD #1 SCANS 200 TO 2800
CALI: AD1220STD #2

00879



PROCEDURE: TCA DIAGNOSTIC REPORT 6/15/91 16:40:12
DATA FILE: AD1220STD
REFERENCE: 82711
NAME LIST: 8270 INITIALIZATION OPTION: 4 PROCESSING OPTION: 3
REPORT: DSISTD

< ---- STANDARDS ----- ><				--- PLUS UNKNOWNS --- ><				- LIST NAMES - >
PROC	USED	POSS	RMS	PROC	USED	POSS	RMS	STANDARD/UNKNOWN
6	4	1	236	12	12	1	178	DSISTD/DSSURR
6	6	1	168	21	21	288	127	DSISTD/82701
6	6	1	168	21	21	1	85	DSISTD/82702
6	6	1	168	21	19	16	314	DSISTD/82703
6	6	1	168	21	20	4	329	DSISTD/82704
6	6	1	168	21	20	8	412	DSISTD/82705
6	6	1	168	21	15	4	532	DSISTD/82706

102 COMPOUNDS PROCESSED, 90 FOUND

< COMPOUND ><			---------- SEARCH ---------- >< SAT ><							------ CHRO -------			
NO	LIB	ENTRY	REF	PRED	SEL	DELTA	PEAKS	FIT	PEAKS	M/Z	TOP	DELTA	PEAKS
1	DS	1	-706	691	689	-2	1	976	.	152	689	.	1
2	DS	2	-905	888	.	.	.	.	.	136	888	.	1
3	DS	3	-1189	1170	1171	1	1	952	.	164	1171	.	1
4	DS	4	-1431	1411	1413	2	1	991	.	188	1413	.	1
5	DS	5	-1864	1841	.	.	.	.	.	240	.	.	.
6	DS	6	-2170	2144	2143	-1	1	951	.	264	2143	.	1
7	DS	7	-510	495	494	-1	1	973	.	112	493	-1	1
8	DS	8	-651	635	634	-1	1	952	.	99	634	.	1
9	DS	9	-791	774	774	.	1	975	.	82	774	.	1
10	DS	10	-1080	1062	1063	1	1	988	.	172	1062	-1	1
11	DS	11	-1317	1298	1299	1	1	919	.	330	1299	.	1
12	DS	12	-1692	1671	1674	3	1	967	.	244	1674	.	1
13	DS	13	-285	270	267	-3	1	978	.	42	267	.	1
14	DS	14	-416	400	399	-1	1	994	.	93	399	.	1
15	DS	15	-484	468	467	-1	1	989	.	80	467	.	1
16	DS	16	-590	573	574	1	1	989	.	79	574	.	1
17	DS	17	-653	636	636	.	1	979	.	94	636	.	1
18	DS	18	-656	639	639	.	1	977	.	93	639	.	1
19	DS	19	-667	650	651	1	1	967	.	93	651	.	1
20	DS	20	-673	656	656	.	1	934	.	128	656	.	1
21	DS	21	-697	680	680	.	3	975	.	146	680	.	1
22	DS	22	-731	714	714	.	2	974	.	146	714	.	1
23	DS	23	-727	710	710	.	2	994	.	108	710	.	1
24	DS	24	-731	714	714	.	2	973	.	146	714	.	1
25	DS	25	-745	728	728	.	3	993	.	108	728	.	1
26	DS	26	-750	733	733	.	2	958	.	45	733	.	1
27	DS	27	-745	728	728	.	2	965	.	108	728	.	1
28	DS	28	-769	753	752	-1	1	952	.	70	752	.	1
29	DS	29	-784	768	767	-1	1	965	.	117	767	.	1
30	DS	30	-768	752	751	-1	1	989	.	105	751	.	1
31	DS	31	-794	777	777	.	1	959	.	77	777	.	1
32	DS	32	-818	801	801	.	1	992	.	42	801	.	1
33	DS	33	-832	815	815	.	1	975	.	82	815	.	1
34	DS	34	-844	827	827	.	1	979	.	139	827	.	1
35	DS	35	-852	835	835	.	1	976	.	122	835	.	1
36	DS	36	-868	851	851	.	1	935	.	93	851	.	1
37	DS	39	-882	865	865	.	1	989	.	162	865	.	1
38	DS	40	-896	879	879	.	1	979	.	180	879	.	1
39	DS	41	-908	891	891	.	1	978	.	128	891	.	1
40	DS	42	-917	900	900	.	1	922	.	127	900	.	1

42	DS	44	-929	912	912	.	1	970	.	225	912	.	1
43	DS	45	-973	958	956	-2	1	989	.	84	956	.	1
44	DS	46	-995	980	.	.	.	.	.	107	978	.	1
45	DS	47	-1020	1005	1002	-3	1	976	.	142	1002	.	1
46	DS	48	-1047	1032	1029	-3	1	980	.	216	1029	.	1
47	DS	49	-1045	1030	.	.	.	.	.	237	1028	.	1
48	DS	50	-1065	1050	1048	-2	2	960	.	196	1048	.	1
49	DS	51	-1070	1055	1053	-2	2	970	.	196	1053	.	1
50	DS	52	-1098	1082	1081	-1	2	987	.	162	1081	.	1
51	DS	53	-1093	1077	1081	4	2	996	.	162	1081	.	1
52	DS	54	-1110	1094	1098	4	1	954	.	65	1098	.	1
53	DS	55	-1141	1125	1129	4	1	974	.	163	1129	.	1
54	DS	56	-1150	1134	1138	4	1	967	.	165	1138	.	1
55	DS	57	-1160	1144	1148	4	1	981	.	152	1148	.	1
56	DS	58	-1177	1161	1164	3	1	985	.	138	1164	.	1
57	DS	59	-1189	1173	1176	3	1	975	.	154	1176	.	1
58	DS	60	-1194	1180	1181	1	1	955	.	184	1181	.	1
59	DS	61	-1203	1189	1191	2	1	966	.	139	1191	.	1
60	DS	62	-1217	1203	1205	2	1	959	.	168	1205	.	1
61	DS	63	-1216	1202	1203	1	1	959	.	165	1203	.	1
62	DS	64	-1210	1196	1198	2	1	988	.	250	1198	.	1
63	DS	65	-1230	1216	1217	1	2	987	.	143	1217	.	1
64	DS	66	-1236	1222	1224	2	1	980	.	232	1224	.	1
65	DS	67	-1243	1229	1230	1	2	993	.	143	1230	.	1
66	DS	68	-1256	1242	1244	2	1	981	.	149	1244	.	1
67	DS	69	-1273	1258	1261	3	1	969	.	204	1261	.	1
68	DS	70	-1273	1258	1261	3	1	957	.	166	1260	-1	1
69	DS	71	-1276	1261	.	.	.	.	.	138	1262	.	1
70	DS	72	-1281	1266	1268	2	1	950	.	198	1268	.	1
71	DS	73	-1293	1278	1280	2	1	986	.	169	1280	.	1
72	DS	74	-1299	1284	1287	3	1	976	.	77	1287	.	1
73	DS	75	-1353	1339	1341	2	1	951	.	248	1341	.	1
74	DS	76	-1343	1329	1330	1	1	986	.	108	1330	.	1
75	DS	78	-1362	1348	1349	1	1	987	.	284	1349	.	1
76	DS	79	-1395	1381	1383	2	1	931	.	169	1383	.	1
77	DS	81	-1394	1380	.	.	.	.	.	266	1381	.	1
78	DS	83	-1405	1391	1393	2	1	965	.	173	1393	.	1
79	DS	84	-1396	1382	1384	2	1	906	.	295	1384	.	1
80	DS	85	-1430	1415	1417	2	2	999	.	178	1417	.	1
81	DS	86	-1438	1423	1425	2	2	923	.	178	1425	.	1
82	DS	89	-1522	1507	1510	3	1	995	.	149	1510	.	1
83	DS	92	-1624	1609	1611	2	1	991	.	202	1611	.	1
84	DS	93	-1661	1646	1648	2	2	988	.	202	1648	.	1
85	DS	96	-1645	1630	1633	3	1	955	.	184	1633	.	1
86	DS	98	-1709	1693	1697	4	1	954	.	120	1697	.	1
87	DS	103	-1766	1750	1754	4	1	924	.	149	1754	.	1
88	DS	108	-1851	1830	1839	9	1	943	.	252	1838	-1	1
89	DS	109	-1862	1841	1843	2	2	970	.	228	1843	.	1
90	DS	110	-1862	1841	1843	2	2	948	.	228	1843	.	1
91	DS	111	-1858	1837	1846	9	1	975	.	149	1846	.	1
92	DS	112	-1976	1954	.	.	.	.	.	149	.	.	.
93	DS	113	-2064	2041	.	.	.	.	.	256	.	.	.
94	DS	114	-2066	2043	2047	4	1	920	.	252	2047	.	1
95	DS	115	-2072	2049	2047	-2	1	910	.	252	2047	.	1
96	DS	116	-2148	2124	2128	4	1	918	.	252	2127	-1	1
97	DS	117	-2249	2225	.	.	.	.	.	268	2226	.	1
98	DS	118	-2525	2498	2493	-5	1	917	.	276	2493	.	1
99	DS	119	-2536	2509	.	.	.	.	.	278	.	.	.
100	DS	120	-2637	2610	2601	-9	1	954	.	276	2602	1	1
101	DS	128	-2455	2429	.	.	.	.	.	279	.	.	.
102	DS	37	-886	872	.	.	.	.	.	122			.

Quantitation Report File: AD1220STD

Data: AD1220STD.TI
06/14/91 15:53:00
Sample: SSTD020
Conds.: MS-B CASE: EOH0022
Submitted by: Analyst: JOHNSON

AMOUNT=AREA * REF AMNT/(REF AREA * RESP FACT)
Resp. fac. from Library Entry

No	Name
1	ISTD D4-1,4-DICHLOROBENZENE
2	ISTD D-8-NAPHTHALENE
3	ISTD ACENAPHTHENE-D10
4	INTERNAL STANDARD D-10-PHENANTHRENE
5	INTERNAL STANDARD D-12-CHRYSENE
6	ISTD D-12 PERYLENE
7	SURROGATE 2-FLUOROPHENOL
8	SURROGATE D-6-PHENOL
9	SURROGATE D5-NITROBENZENE
10	SURROGATE 2-FLUOROBIPHENYL
11	SURROGATE STANDARD 2,4,6-TRIBROMOPHENOL
12	SURROGATE STANDARD P-TERPHENYL D-14
13	N-NITROSODIMETHYLAMINE
14	2-PICOLINE
15	METHYL METHANESULFONATE
16	ETHYL METHANESULFONATE
17	C315 PHENOL
18	ANILINE
19	BIS(2-CHLOROETHYL)ETHER
20	2-CHLOROPHENOL
21	1,3-DICHLOROBENZENE
22	1,4-DICHLOROBENZENE
23	BENZYL ALCOHOL
24	1,2-DICHLOROBENZENE
25	2-METHYLPHENOL
26	BIS(2-CHLOROISOPROPYL)ETHER
27	4-METHYLPHENOL
28	N-NITROSO-DI-N-PROPYLAMINE
29	HEXACHLOROETHANE
30	ACETOPHENONE
31	NITROBENZENE
32	N-NITROSOPIPERIDINE
33	ISOPHORONE
34	2-NITROPHENOL
35	2,4-DIMETHYLPHENOL
36	BIS(2-CHLOROETHOXY)METHANE
37	BENZOIC ACID
38	2,4-DICHLOROPHENOL
39	1,2,4-TRICHLOROBENZENE
40	NAPHTHALENE
41	4-CHLOROANILINE
42	2,6-DICHLOROPHENOL
43	HEXACHLOROBUTADIENE
44	N-NITROSO-DI-N-BUTYLAMINE
45	4-CHLORO-3-METHYLPHENOL
46	2-METHYL NAPHTHALENE
47	1,2,4,5-TETRACHLOROBENZENE
48	HEXACHLOROCYCLOPENTADIENE
49	2,4,6-TRICHLOROPHENOL

50 2,4,5-TRICHLOROPHENOL

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount	%Tot
1	152	689	11:05	1	1.000	A BB	24677.	40.000 UG	1.77
2	136	888	14:17	2	1.000	A BB	100015.	40.000 UG	1.77
3	164	1171	18:50	3	1.000	A BB	60502.	40.000 UG	1.77
4	188	1413	22:43	4	1.000	A BB	86295.	40.000 UG	1.77
5	240	1845	29:40	5	1.000	A BB	30090.	40.000 UG	1.77
6	264	2143	34:27	6	1.000	A BB	25578.	40.000 UG	1.77
7	112	493	7:56	1	0.716	A BB	17454.	20.000 UG	0.89
8	99	634	10:12	1	0.920	A BB	23069.	20.000 UG	0.89
9	82	774	12:27	2	0.872	A BB	26085.	20.000 UG	0.89
10	172	1062	17:04	3	0.907	A BB	37805.	20.000 UG	0.89
11	330	1299	20:53	3	1.109	A BB	4916.	20.000 UG	0.89
12	244	1674	26:55	5	0.907	A BB	26387.	20.000 UG	0.89
13	42	267	4:18	1	0.388	A BB	15023.	20.000 UG	0.89
14	93	399	6:25	1	0.579	A BB	11529.	20.000 UG	0.89
15	80	467	7:30	1	0.678	A BB	6220.	20.000 UG	0.89
16	79	574	9:14	1	0.833	A BB	21093.	20.000 UG	0.89
17	94	636	10:13	1	0.923	A BB	28647.	20.000 UG	0.89
18	93	639	10:16	1	0.927	A BB	32078.	20.000 UG	0.89
19	93	651	10:28	1	0.945	A BB	21125.	20.000 UG	0.89
20	128	656	10:33	1	0.952	A BB	18136.	20.000 UG	0.89
21	146	680	10:56	1	0.987	A BB	21821.	20.000 UG	0.89
22	146	692	11:07	1	1.004	A BB	20412.	20.000 UG	0.89
23	108	710	11:25	1	1.030	A BB	12077.	20.000 UG	0.89
24	146	714	11:29	1	1.036	A BB	21575.	20.000 UG	0.89
25	108	728	11:42	1	1.057	A BB	18261.	20.000 UG	0.89
26	45	733	11:47	1	1.064	A BB	27589.	20.000 UG	0.89
27	108	728	11:42	1	1.057	A BB	18261.	20.000 UG	0.89
28	70	752	12:05	1	1.091	A BB	21061.	20.000 UG	0.89
29	117	767	12:20	1	1.113	A BB	9808.	20.000 UG	0.89
30	105	751	12:04	2	0.846	A BB	35173.	20.000 UG	0.89
31	77	777	12:29	2	0.875	A BB	30693.	20.000 UG	0.89
32	42	801	12:53	2	0.902	A BB	20075.	20.000 UG	0.89
33	82	815	13:06	2	0.918	A BB	50786.	20.000 UG	0.89
34	139	827	13:18	2	0.931	A BB	10568.	20.000 UG	0.89
35	122	835	13:25	2	0.940	A BB	17554.	20.000 UG	0.89
36	93	851	13:41	2	0.958	A BB	29607.	20.000 UG	0.89
37	122	835	13:25	2	0.940	A BB	17554.	20.000 UG	0.89
38	162	865	13:54	2	0.974	A BB	17401.	20.000 UG	0.89
39	180	879	14:08	2	0.990	A BB	20121.	20.000 UG	0.89
40	128	891	14:19	2	1.003	A BB	58272.	20.000 UG	0.89
41	127	900	14:28	2	1.014	A BB	26229.	20.000 UG	0.89
42	162	901	14:29	2	1.015	A BB	18492.	20.000 UG	0.89
43	225	912	14:40	2	1.027	A BB	13257.	20.000 UG	0.89
44	84	956	15:22	2	1.077	A BB	19671.	20.000 UG	0.89
45	107	978	15:43	2	1.101	A BB	17762.	20.000 UG	0.89
46	142	1002	16:07	2	1.128	A BB	36304.	20.000 UG	0.89
47	216	1029	16:33	3	0.879	A BB	23078.	20.000 UG	0.89
48	237	1028	16:32	3	0.878	A BB	6118.	20.000 UG	0.89
49	196	1048	16:51	3	0.895	A BV	11899.	20.000 UG	0.89
50	196	1053	16:56	3	0.899	A VB	11826.	20.000 UG	0.89

No	Ret(L)	Ratio	RRT(L)	Ratio	Amnt	Amnt(L)	R.Fac	R.Fac(L)	Ratio
1	10:59	1.01	1.000	1.00	40.00	40.00	1.000	1.000	1.00
2	14:11	1.01	1.000	1.00	40.00	40.00	1.000	1.000	1.00
3	18:44	1.01	1.000	1.00	40.00	40.00	1.000	1.000	1.00
4	22:37	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
5	29:34	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
6	34:20	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
7	7:51	1.01	0.714	1.00	20.00	20.00	1.415	1.415	1.00
8	10:08	1.01	0.922	1.00	20.00	20.00	1.870	1.870	1.00
9	12:22	1.01	0.872	1.00	20.00	20.00	0.522	0.522	1.00
10	17:00	1.00	0.907	1.00	20.00	20.00	1.250	1.250	1.00

12	26:49	1.00	0.907	1.00	20.00	20.00	1.754	1.754	1.00
13	4:14	1.02	0.385	1.01	20.00	20.00	1.218	1.218	1.00
14	6:19	1.02	0.575	1.01	20.00	20.00	0.934	0.934	1.00
15	7:26	1.01	0.676	1.00	20.00	20.00	0.504	0.504	1.00
16	9:09	1.01	0.833	1.00	20.00	20.00	1.710	1.710	1.00
17	10:10	1.01	0.925	1.00	20.00	20.00	2.322	2.322	1.00
18	10:12	1.01	0.928	1.00	20.00	20.00	2.600	2.600	1.00
19	10:23	1.01	0.946	1.00	20.00	20.00	1.712	1.712	1.00
20	10:28	1.01	0.953	1.00	20.00	20.00	1.470	1.470	1.00
21	10:50	1.01	0.987	1.00	20.00	20.00	1.769	1.769	1.00
22	11:02	1.01	1.004	1.00	20.00	20.00	1.654	1.654	1.00
23	11:21	1.01	1.034	1.00	20.00	20.00	0.979	0.979	1.00
24	11:23	1.01	1.037	1.00	20.00	20.00	1.749	1.749	1.00
25	11:37	1.01	1.059	1.00	20.00	20.00	1.480	1.480	1.00
26	11:41	1.01	1.064	1.00	20.00	20.00	2.236	2.236	1.00
27	11:37	1.01	1.059	1.00	20.00	20.00	1.480	1.480	1.00
28	12:02	1.00	1.097	1.00	20.00	20.00	1.707	1.707	1.00
29	12:14	1.01	1.114	1.00	20.00	20.00	0.795	0.795	1.00
30	12:01	1.01	0.847	1.00	20.00	20.00	0.703	0.703	1.00
31	12:26	1.01	0.876	1.00	20.00	20.00	0.614	0.614	1.00
32	12:49	1.01	0.904	1.00	20.00	20.00	0.401	0.401	1.00
33	13:02	1.00	0.920	1.00	20.00	20.00	1.016	1.016	1.00
34	13:13	1.01	0.932	1.00	20.00	20.00	0.211	0.211	1.00
35	13:21	1.01	0.941	1.00	20.00	20.00	0.351	0.351	1.00
36	13:36	1.01	0.959	1.00	20.00	20.00	0.592	0.592	1.00
37	13:37	0.99	0.960	0.98	20.00	20.00	0.351	0.351	1.00
38	13:50	1.01	0.975	1.00	20.00	20.00	0.348	0.348	1.00
39	14:02	1.01	0.990	1.00	20.00	20.00	0.402	0.402	1.00
40	14:14	1.01	1.003	1.00	20.00	20.00	1.165	1.165	1.00
41	14:23	1.01	1.015	1.00	20.00	20.00	0.525	0.525	1.00
42	14:24	1.01	1.016	1.00	20.00	20.00	0.370	0.370	1.00
43	14:34	1.01	1.027	1.00	20.00	20.00	0.265	0.265	1.00
44	15:17	1.01	1.078	1.00	20.00	20.00	0.393	0.393	1.00
45	15:39	1.01	1.103	1.00	20.00	20.00	0.355	0.355	1.00
46	16:02	1.01	1.130	1.00	20.00	20.00	0.726	0.726	1.00
47	16:28	1.00	0.879	1.00	20.00	20.00	0.763	0.763	1.00
48	16:26	1.01	0.877	1.00	20.00	20.00	0.202	0.202	1.00
49	16:45	1.01	0.894	1.00	20.00	20.00	0.393	0.393	1.00
50	16:51	1.00	0.900	1.00	20.00	20.00	0.391	0.391	1.00

Quantitation Report File: AD1220STD

Data: AD1220STD.TI
06/14/91 15:53:00
Sample: SSTD020
Conds.: MS-B CASE: EOH0022
Submitted by: Analyst: JOHNSON

AMOUNT=AREA * REF AMNT/(REF AREA * RESP FACT)
Resp. fac. from Library Entry

No	Name
51	2-CHLORONAPHTHALENE
52	1-CHLORONAPHTHALENE
53	2-NITROANILINE
54	DIMETHYL PHTHALATE
55	2,6-DINITROTOLUENE
56	ACENAPHTHYLENE
57	3-NITROANILINE
58	ACENAPHTHENE
59	2,4-DINITROPHENOL
60	4-NITROPHENOL
61	DIBENZOFURAN
62	2,4-DINITROTOLUENE
63	PENTACHLOROBENZENE
64	1-NAPHTHYLAMINE
65	2,3,4,6-TETRACHLOROPHENOL
66	2-NAPHTHYLAMINE
67	DIETHYL PHTHALATE
68	4-CHLOROPHENYL PHENYL ETHER
69	FLUORENE
70	4-NITROANILINE
71	4,6-DINITRO-2-METHYLPHENOL
72	N-NITROSODIPHENYLAMINE
73	1,2-DIPHENYLHYDRAZINE
74	4-BROMOPHENYL PHENYL ETHER
75	PHENACETIN
76	HEXACHLOROBENZENE
77	4-AMINOBIPHENYL
78	PENTACHLOROPHENOL
79	PRONAMIDE (PROPYZAMIDE)
80	PENTACHLORONITROBENZENE
81	PHENANTHRENE
82	ANTHRACENE
83	DI-N-BUTYL PHTHALATE
84	FLUORANTHENE
85	PYRENE
86	BENZIDINE
87	P-DIMETHYLAMINOAZOBENZENE
88	BUTYL BENZYL PHTHALATE
89	3,3'-DICHLOROBENZIDINE
90	BENZO(A)ANTHRACENE
91	CHRYSENE
92	BIS(2-ETHYLHEXYL)PHTHALATE
93	DI-N-OCTYL PHTHALATE
94	7,12-DIMETHYLBENZ(A)ANTHRACENE
95	BENZO(B)FLUORANTHENE
96	BENZO(K)FLUORANTHENE
97	BENZO(A)PYRENE
98	3-METHYLCHOLANTHRENE
99	INDENO(1,2,3-CD)PYRENE

100 DIBENZ(A,H)ANTHRACENE

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount	%Tot
51	162	1084	17:26	3	0.926	M XX	39298.	20.000 UG	0.89
52	162	1081	17:23	3	0.923	M XX	50349.	20.000 UG	0.89
53	65	1098	17:39	3	0.938	A BB	15356.	20.000 UG	0.89
54	163	1129	18:09	3	0.964	A BB	48258.	20.000 UG	0.89
55	165	1138	18:18	3	0.972	A BB	7848.	20.000 UG	0.89
56	152	1148	18:27	3	0.980	A BB	54631.	20.000 UG	0.89
57	138	1164	18:43	3	0.994	A BB	7402.	20.000 UG	0.89
58	154	1176	18:54	3	1.004	A BB	36724.	20.000 UG	0.89
59	184	1181	18:59	3	1.009	A BB	1384.	20.000 UG	0.89
60	139	1191	19:09	3	1.017	A BB	3142.	20.000 UG	0.89
61	168	1205	19:22	3	1.029	A BB	55890.	20.000 UG	0.89
62	165	1203	19:20	3	1.027	A BB	9829.	20.000 UG	0.89
63	250	1198	19:16	3	1.023	A BB	20024.	20.000 UG	0.89
64	143	1217	19:34	3	1.039	A BB	32168.	20.000 UG	0.89
65	232	1224	19:41	3	1.045	A BB	6922.	20.000 UG	0.89
66	143	1230	19:46	3	1.050	A BB	29479.	20.000 UG	0.89
67	149	1244	20:00	3	1.062	A BB	45557.	20.000 UG	0.89
68	204	1261	20:16	3	1.077	A BB	22414.	20.000 UG	0.89
69	166	1260	20:15	3	1.076	A BB	44014.	20.000 UG	0.89
70	138	1262	20:17	3	1.078	A BB	5765.	20.000 UG	0.89
71	198	1268	20:23	4	0.897	A BB	2536.	20.000 UG	0.89
72	169	1280	20:35	4	0.906	A BB	59060.	20.000 UG	0.89
73	77	1287	20:41	4	0.911	A VB	48561.	20.000 UG	0.89
74	248	1341	21:34	4	0.949	A BB	11890.	20.000 UG	0.89
75	108	1330	21:23	4	0.941	A BB	10783.	20.000 UG	0.89
76	284	1349	21:41	4	0.955	A BB	14314.	20.000 UG	0.89
77	169	1383	22:14	4	0.979	A BB	27020.	20.000 UG	0.89
78	266	1381	22:12	4	0.977	A BB	3780.	20.000 UG	0.89
79	173	1393	22:24	4	0.986	A BB	14022.	20.000 UG	0.89
80	295	1384	22:15	4	0.979	A BB	1922.	20.000 UG	0.89
81	178	1417	22:47	4	1.003	A BB	47885.	20.000 UG	0.89
82	178	1425	22:55	4	1.008	A BB	43443.	20.000 UG	0.89
83	149	1510	24:17	4	1.069	A BB	44851.	20.000 UG	0.89
84	202	1611	25:54	4	1.140	A BB	30361.	20.000 UG	0.89
85	202	1648	26:30	5	0.893	A BB	29378.	20.000 UG	0.89
86	184	1633	26:15	5	0.885	A BB	7241.	20.000 UG	0.89
87	120	1697	27:17	5	0.920	A BB	4184.	20.000 UG	0.89
88	149	1754	28:12	5	0.951	A BB	7697.	20.000 UG	0.89
89	252	1838	29:33	5	0.996	A BB	5392.	20.000 UG	0.89
90	228	1843	29:38	5	0.999	A BV	16716.	20.000 UG	0.89
91	228	1849	29:44	5	1.002	A VB	16901.	20.000 UG	0.89
92	149	1846	29:41	5	1.001	A BB	11517.	20.000 UG	0.89
93	149	1846	29:41	6	0.861	A BB	11517.	20.000 UG	0.89
94	256	2046	32:54	6	0.955	A BB	6479.	20.000 UG	0.89
95	252	2047	32:55	6	0.955	A BV	15469.	20.000 UG	0.89
96	252	2054	33:01	6	0.958	A VB	14937.	20.000 UG	0.89
97	252	2127	34:12	6	0.993	A BB	13091.	20.000 UG	0.89
98	268	2226	35:47	6	1.039	A BB	6902.	20.000 UG	0.89
99	276	2493	40:05	6	1.163	A BV	10859.	20.000 UG	0.89
100	278	2503	40:14	6	1.168	A BB	12885.	20.000 UG	0.89

No	Ret(L)	Ratio	RRT(L)	Ratio	Amnt	Amnt(L)	R.Fac	R.Fac(L)	Ratio
51	17:18	1.01	0.924	1.00	20.00	20.00	1.299	1.299	1.00
52	17:18	1.00	0.924	1.00	20.00	20.00	1.664	1.664	1.00
53	17:34	1.00	0.938	1.00	20.00	20.00	0.508	0.508	1.00
54	18:04	1.00	0.965	1.00	20.00	20.00	1.595	1.595	1.00
55	18:13	1.00	0.973	1.00	20.00	20.00	0.259	0.259	1.00
56	18:22	1.01	0.980	1.00	20.00	20.00	1.806	1.806	1.00
57	18:39	1.00	0.996	1.00	20.00	20.00	0.245	0.245	1.00
58	18:50	1.00	1.005	1.00	20.00	20.00	1.214	1.214	1.00
59	18:55	1.00	1.010	1.00	20.00	20.00	0.046	0.046	1.00
60	19:05	1.00	1.019	1.00	20.00	20.00	0.104	0.104	1.00

62	19:17	1.00	1.029	1.00	20.00	20.00	0.325	0.325	1.00
63	19:10	1.01	1.023	1.00	20.00	20.00	0.662	0.662	1.00
64	19:29	1.00	1.040	1.00	20.00	20.00	1.063	1.063	1.00
65	19:36	1.00	1.046	1.00	20.00	20.00	0.229	0.229	1.00
66	19:42	1.00	1.052	1.00	20.00	20.00	0.974	0.974	1.00
67	19:55	1.00	1.064	1.00	20.00	20.00	1.506	1.506	1.00
68	20:12	1.00	1.078	1.00	20.00	20.00	0.741	0.741	1.00
69	20:11	1.00	1.077	1.00	20.00	20.00	1.455	1.455	1.00
70	20:14	1.00	1.081	1.00	20.00	20.00	0.191	0.191	1.00
71	20:19	1.00	0.898	1.00	20.00	20.00	0.059	0.059	1.00
72	20:31	1.00	0.907	1.00	20.00	20.00	1.369	1.369	1.00
73	20:37	1.00	0.911	1.00	20.00	20.00	1.125	1.125	1.00
74	21:28	1.00	0.949	1.00	20.00	20.00	0.276	0.276	1.00
75	21:20	1.00	0.943	1.00	20.00	20.00	0.250	0.250	1.00
76	21:36	1.00	0.955	1.00	20.00	20.00	0.332	0.332	1.00
77	22:09	1.00	0.979	1.00	20.00	20.00	0.626	0.626	1.00
78	22:07	1.00	0.978	1.00	20.00	20.00	0.088	0.088	1.00
79	22:19	1.00	0.986	1.00	20.00	20.00	0.325	0.325	1.00
80	22:10	1.00	0.980	1.00	20.00	20.00	0.045	0.045	1.00
81	22:42	1.00	1.004	1.00	20.00	20.00	1.110	1.110	1.00
82	22:50	1.00	1.009	1.00	20.00	20.00	1.007	1.007	1.00
83	24:11	1.00	1.069	1.00	20.00	20.00	1.039	1.039	1.00
84	25:48	1.00	1.141	1.00	20.00	20.00	0.704	0.704	1.00
85	26:24	1.00	0.893	1.00	20.00	20.00	1.953	1.953	1.00
86	26:09	1.00	0.885	1.00	20.00	20.00	0.481	0.481	1.00
87	27:11	1.00	0.920	1.00	20.00	20.00	0.278	0.278	1.00
88	28:06	1.00	0.951	1.00	20.00	20.00	0.512	0.512	1.00
89	29:28	1.00	0.997	1.00	20.00	20.00	0.358	0.358	1.00
90	29:32	1.00	0.999	1.00	20.00	20.00	1.111	1.111	1.00
91	29:38	1.00	1.002	1.00	20.00	20.00	1.123	1.123	1.00
92	29:35	1.00	1.001	1.00	20.00	20.00	0.766	0.766	1.00
93	31:26	0.94	0.915	0.94	20.00	20.00	0.901	0.901	1.00
94	32:49	1.00	0.956	1.00	20.00	20.00	0.507	0.507	1.00
95	32:50	1.00	0.956	1.00	20.00	20.00	1.210	1.210	1.00
96	32:56	1.00	0.959	1.00	20.00	20.00	1.168	1.168	1.00
97	34:07	1.00	0.993	1.00	20.00	20.00	1.024	1.024	1.00
98	35:42	1.00	1.040	1.00	20.00	20.00	0.540	0.540	1.00
99	40:11	1.00	1.170	0.99	20.00	20.00	0.849	0.849	1.00
100	40:11	1.00	1.170	1.00	20.00	20.00	1.008	1.008	1.00

Quantitation Report File: AD1220STD

Data: AD1220STD.TI
06/14/91 15:53:00
Sample: SSTD020
Conds.: MS-B CASE: EOH0022
Submitted by: Analyst: JOHNSON

AMOUNT=AREA * REF AMNT/(REF AREA * RESP FACT)
Resp. fac. from Library Entry

No	Name
101	BENZO (G,H,I)PERYLENE
102	DIBENZ(A,J)ACRIDINE

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount	%Tot
101	276	2602	41:50	6	1.214	A BB	11257.	20.000 UG	0.89
102	279	2426	39:00	6	1.132	A BB	9632.	20.000 UG	0.89

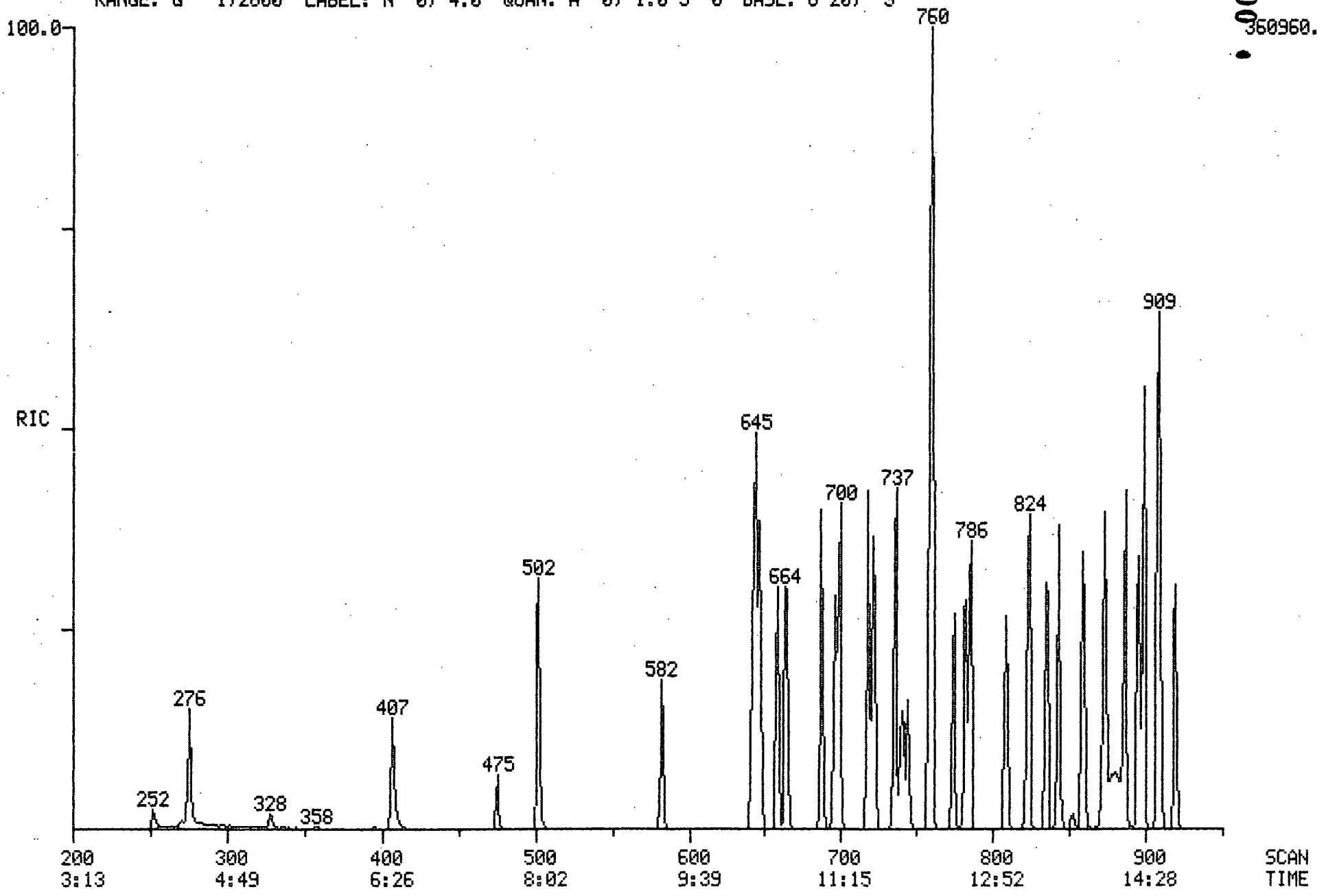
No	Ret(L)	Ratio	RRT(L)	Ratio	Amnt	Amnt(L)	R.Fac	R.Fac(L)	Ratio
101	41:46	1.00	1.216	1.00	20.00	20.00	0.880	0.880	1.00
102	38:55	1.00	1.133	1.00	20.00	20.00	0.753	0.753	1.00

MIDRIC
06/14/91 14:58:00
SAMPLE: SSTD050
CONDS.: MS-B CASE: EOH0022
RANGE: G 1,2800 LABEL: N 0, 4.0 QUAN: A 0, 1.0 J 0 BASE: U 20, 3

DATA: AD1150STD #1 SCANS 200 TO 950
CALI: AD1150STD #2

T.J. Mascari
6.17.91

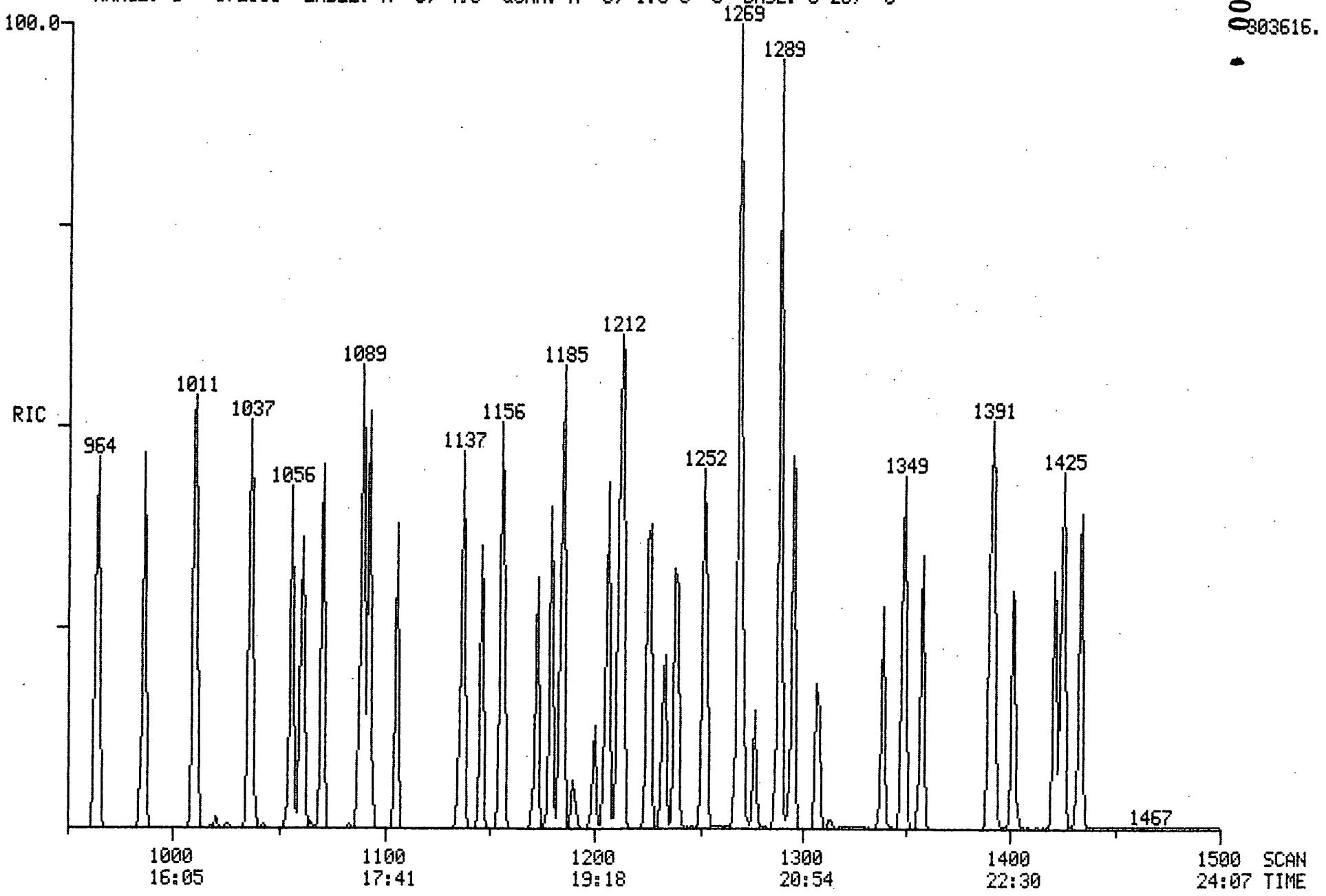
00889



MIDRIC
06/14/91 14:58:00
SAMPLE: SSTD050
CONDS.: MS-B CASE: EOH0022
RANGE: G 1,2800 LABEL: N 0, 4.0 QUAN: A 0, 1.0 J 0 BASE: U 20, 3

DATA: AD1150STD #1
CALI: AD1150STD #2

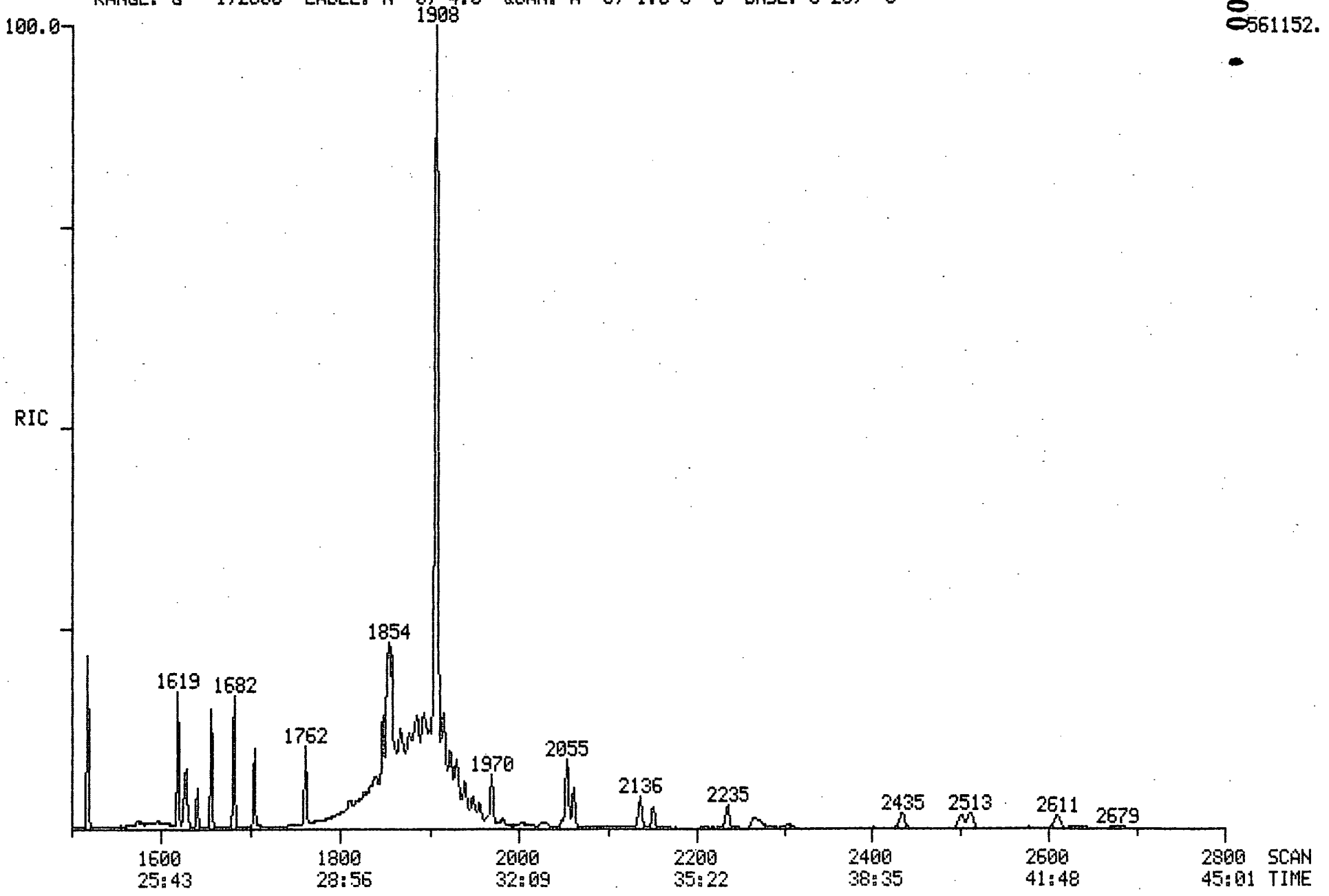
SCANS 950 TO 1500



00890
303616.

MIDRIC
06/14/91 14:58:00
SAMPLE: SSTD050
CONDS.: MS-B CASE: EOH0022
RANGE: G 1,2800 LABEL: N 0, 4.0 QUAN: A 0, 1.0 J 0 BASE: U 20, 3

DATA: AD1150STD #1 SCANS 1500 TO 2800
CALI: AD1150STD #2

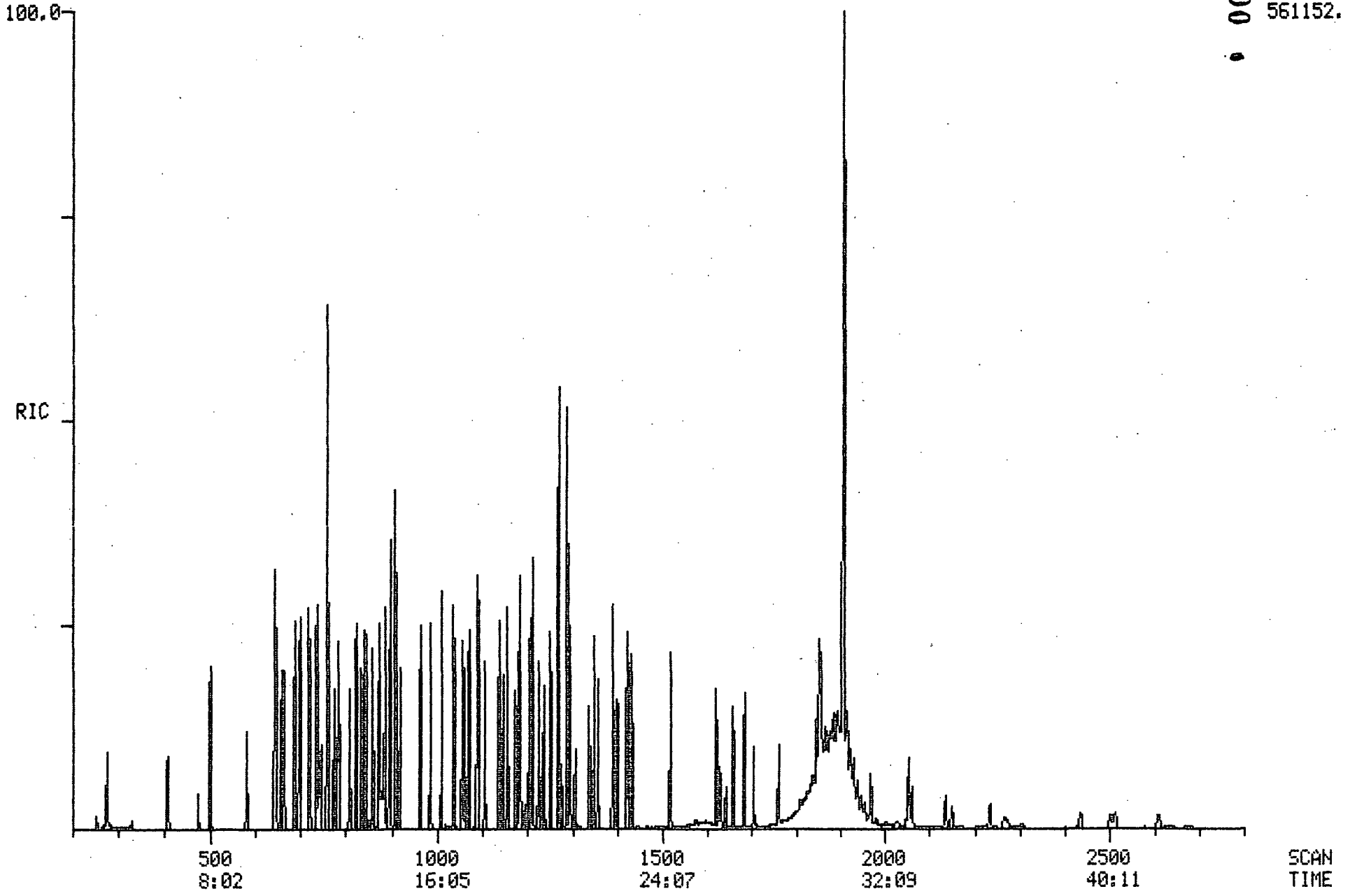


00891

MIDRIC
06/14/91 14:58:00
SAMPLE: SSTD050
CONDS.: MS-B CASE: EOH0022
RANGE: G 1,2800 LABEL: N 0, 4.0 QUAN: A 0, 1.0 J 0 BASE: U 20, 3

DATA: AD1150STD #1 SCANS 200 TO 2800
CALI: AD1150STD #2

00892



PROCEDURE: TCA DIAGNOSTIC REPORT 6/15/91 16:25:44
DATA FILE: AD1150STD
REFERENCE: 82711
NAME LIST: 8270 INITIALIZATION OPTION: 4 PROCESSING OPTION: 3
REPORT: DSISTD

< ---- STANDARDS ----- ><				--- PLUS UNKNOWNS --- ><				- LIST NAMES - >
PROC	USED	POSS	RMS	PROC	USED	POSS	RMS	STANDARD/UNKNOWN
6	4	1	236	12	12	1	173	DSISTD/DSSURR
6	6	1	168	21	21	48	126	DSISTD/82701
6	6	1	168	21	21	1	83	DSISTD/82702
6	6	1	168	21	19	16	328	DSISTD/82703
6	6	1	168	21	21	4	340	DSISTD/82704
6	6	1	168	21	19	8	428	DSISTD/82705
6	6	1	168	21	20	16	749	DSISTD/82706

102 COMPOUNDS PROCESSED, 95 FOUND

< COMPOUND ><			---------- SEARCH ---------- >< SAT >< ------ CHRO -------										
NO	LIB	ENTRY	REF	PRED	SEL	DELTA	PEAKS	FIT	PEAKS	M/Z	TOP	DELTA	PEAKS
1	DS	1	-706	699	697	-2	1	967	.	152	697	.	1
2	DS	2	-905	896	.	.	.	.	.	136	896	.	1
3	DS	3	-1189	1178	1179	1	1	950	.	164	1179	.	1
4	DS	4	-1431	1419	1421	2	1	994	.	188	1421	.	1
5	DS	5	-1864	1849	.	.	.	.	.	240	.	.	.
6	DS	6	-2170	2152	2151	-1	1	954	.	264	2151	.	1
7	DS	7	-510	503	502	-1	1	982	.	112	502	.	1
8	DS	8	-651	644	643	-1	1	946	.	99	643	.	1
9	DS	9	-791	783	783	.	1	976	.	82	782	-1	1
10	DS	10	-1080	1070	1071	1	1	974	.	172	1071	.	1
11	DS	11	-1317	1306	1307	1	1	962	.	330	1307	.	1
12	DS	12	-1692	1679	1682	3	1	984	.	244	1682	.	1
13	DS	13	-285	278	276	-2	1	987	.	42	276	.	1
14	DS	14	-416	409	407	-2	1	997	.	93	407	.	1
15	DS	15	-484	476	475	-1	1	988	.	80	475	.	1
16	DS	16	-590	582	582	.	1	995	.	79	582	.	1
17	DS	17	-653	644	645	1	1	980	.	94	645	.	1
18	DS	18	-656	647	647	.	1	960	.	93	647	.	1
19	DS	19	-667	658	659	1	1	985	.	93	659	.	1
20	DS	20	-673	664	664	.	1	933	.	128	664	.	1
21	DS	21	-697	688	688	.	3	972	.	146	688	.	1
22	DS	22	-731	722	722	.	2	972	.	146	722	.	1
23	DS	23	-727	718	719	1	2	989	.	108	719	.	1
24	DS	24	-731	722	722	.	2	968	.	146	722	.	1
25	DS	25	-745	736	737	1	1	998	.	108	737	.	1
26	DS	26	-750	741	741	.	2	955	.	45	741	.	1
27	DS	27	-745	736	737	1	1	972	.	108	737	.	1
28	DS	28	-769	761	761	.	1	960	.	70	761	.	1
29	DS	29	-784	776	775	-1	1	948	.	117	775	.	1
30	DS	30	-768	760	760	.	1	975	.	105	760	.	1
31	DS	31	-794	786	786	.	1	952	.	77	786	.	1
32	DS	32	-818	810	809	-1	1	992	.	42	809	.	1
33	DS	33	-832	823	824	1	1	970	.	82	824	.	1
34	DS	34	-844	835	835	.	1	972	.	139	835	.	1
35	DS	35	-852	843	843	.	1	976	.	122	843	.	1
36	DS	36	-868	859	859	.	1	961	.	93	859	.	1
37	DS	39	-882	873	873	.	1	993	.	162	873	.	1
38	DS	40	-896	887	887	.	1	970	.	180	887	.	1
39	DS	41	-908	899	899	.	1	975	.	128	899	.	1
40	DS	42	-917	908	908	.	1	915	.	127	908	.	1
41	DS	43	[illegible]	[illegible]	[illegible]	[illegible]	1	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	1

[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	.	1	[illegible]	.	[illegible]	[illegible]	.	1
42	DS	44	-929	920	920	.	1	954	.	225	920	.	1
43	DS	45	-973	966	964	-2	1	987	.	84	964	.	1
44	DS	46	-995	988	.	.	.	.	.	107	986	.	1
45	DS	47	-1020	1013	1010	-3	1	970	.	142	1010	.	1
46	DS	48	-1047	1040	1037	-3	1	988	.	216	1037	.	1
47	DS	49	-1045	1038	.	.	.	.	.	237	1036	.	1
48	DS	50	-1065	1058	1056	-2	2	957	.	196	1056	.	1
49	DS	51	-1070	1063	1061	-2	2	966	.	196	1061	.	1
50	DS	52	-1098	1090	1089	-1	2	981	.	162	1089	.	1
51	DS	53	-1093	1086	1089	3	2	990	.	162	1089	.	1
52	DS	54	-1110	1102	1106	4	1	951	.	65	1106	.	1
53	DS	55	-1141	1133	1137	4	1	965	.	163	1137	.	1
54	DS	56	-1150	1142	1146	4	1	974	.	165	1146	.	1
55	DS	57	-1160	1152	1156	4	1	970	.	152	1156	.	1
56	DS	58	-1177	1169	1173	4	1	977	.	138	1173	.	1
57	DS	59	-1189	1181	1185	4	1	967	.	154	1185	.	1
58	DS	60	-1194	1188	1190	2	1	977	.	184	1190	.	1
59	DS	61	-1203	1197	1200	3	1	964	.	139	1200	.	1
60	DS	62	-1217	1211	1213	2	1	948	.	168	1213	.	1
61	DS	63	-1216	1210	1212	2	1	923	.	165	1211	-1	1
62	DS	64	-1210	1204	1206	2	1	993	.	250	1206	.	1
63	DS	65	-1230	1224	1225	1	2	993	.	143	1225	.	1
64	DS	66	-1236	1230	1233	3	1	993	.	232	1232	-1	1
65	DS	67	-1243	1237	1238	1	2	997	.	143	1238	.	1
66	DS	68	-1256	1250	1252	2	1	980	.	149	1252	.	1
67	DS	69	-1273	1267	1269	2	1	935	.	204	1269	.	1
68	DS	70	-1273	1267	1269	2	1	949	.	166	1269	.	1
69	DS	71	-1276	1270	1271	1	1	964	.	138	1271	.	1
70	DS	72	-1281	1275	1277	2	1	946	.	198	1277	.	1
71	DS	73	-1293	1287	1289	2	1	990	.	169	1289	.	1
72	DS	74	-1299	1293	1295	2	1	971	.	77	1295	.	1
73	DS	75	-1353	1347	1349	2	1	955	.	248	1349	.	1
74	DS	76	-1343	1337	1339	2	1	993	.	108	1339	.	1
75	DS	78	-1362	1356	1358	2	1	968	.	284	1357	-1	1
76	DS	79	-1395	1389	1391	2	1	920	.	169	1391	.	1
77	DS	81	-1394	1388	.	.	.	.	.	266	1390	.	1
78	DS	83	-1405	1399	1401	2	1	974	.	173	1401	.	1
79	DS	84	-1396	1390	.	.	.	.	.	295	1392	.	1
80	DS	85	-1430	1423	1425	2	2	993	.	178	1425	.	1
81	DS	86	-1438	1431	1434	3	2	922	.	178	1434	.	1
82	DS	89	-1522	1515	1518	3	1	991	.	149	1518	.	1
83	DS	92	-1624	1617	1619	2	1	991	.	202	1619	.	1
84	DS	93	-1661	1654	1656	2	2	996	.	202	1656	.	1
85	DS	96	-1645	1638	1641	3	1	989	.	184	1641	.	1
86	DS	98	-1709	1701	1705	4	1	971	.	120	1705	.	1
87	DS	103	-1766	1758	1762	4	1	931	.	149	1762	.	1
88	DS	108	-1851	1837	1847	10	1	969	.	252	1846	-1	1
89	DS	109	-1862	1848	1851	3	2	981	.	228	1851	.	1
90	DS	110	-1862	1848	1851	3	2	969	.	228	1851	.	1
91	DS	111	-1858	1844	1854	10	1	939	.	149	1854	.	1
92	DS	112	-1976	1962	1970	8	1	953	.	149	1970	.	1
93	DS	113	-2064	2050	2054	4	1	940	.	256	2054	.	1
94	DS	114	-2066	2052	2055	3	2	968	.	252	2055	.	1
95	DS	115	-2072	2058	2055	-3	2	970	.	252	2055	.	1
96	DS	116	-2148	2133	2136	3	1	962	.	252	2136	.	1
97	DS	117	-2249	2234	2234	.	1	955	.	268	2235	1	1
98	DS	118	-2525	2509	2502	-7	1	932	.	276	2502	.	1
99	DS	119	-2536	2520	.	.	.	.	.	278	.	.	.
100	DS	120	-2637	2621	2611	-10	1	969	.	276	2611	.	1
101	DS	128	-2455	2440	2435	-5	1	948	.	279	2435	.	1
102	DS	37	-886	875	853	-22	1	965	.	122	853	.	1

Quantitation Report File: AD1150STD

Data: AD1150STD.TI
06/14/91 14:58:00
Sample: SSTD050
Conds.: MS-B CASE: EOH0022
Submitted by: Analyst: JOHNSON

AMOUNT=AREA * REF AMNT/(REF AREA * RESP FACT)
Resp. fac. from Library Entry

No	Name
1	ISTD D4-1,4-DICHLOROBENZENE
2	ISTD D-8-NAPHTHALENE
3	ISTD ACENAPHTHENE-D10
4	INTERNAL STANDARD D-10-PHENANTHRENE
5	INTERNAL STANDARD D-12-CHRYSENE
6	ISTD D-12 PERYLENE
7	SURROGATE 2-FLUOROPHENOL
8	SURROGATE D-6-PHENOL
9	SURROGATE D5-NITROBENZENE
10	SURROGATE 2-FLUOROBIPHENYL
11	SURROGATE STANDARD 2,4,6-TRIBROMOPHENOL
12	SURROGATE STANDARD P-TERPHENYL D-14
13	N-NITROSODIMETHYLAMINE
14	2-PICOLINE
15	METHYL METHANESULFONATE
16	ETHYL METHANESULFONATE
17	C315 PHENOL
18	ANILINE
19	BIS(2-CHLOROETHYL)ETHER
20	2-CHLOROPHENOL
21	1,3-DICHLOROBENZENE
22	1,4-DICHLOROBENZENE
23	BENZYL ALCOHOL
24	1,2-DICHLOROBENZENE
25	2-METHYLPHENOL
26	BIS(2-CHLOROISOPROPYL)ETHER
27	4-METHYLPHENOL
28	N-NITROSO-DI-N-PROPYLAMINE
29	HEXACHLOROETHANE
30	ACETOPHENONE
31	NITROBENZENE
32	N-NITROSOPIPERIDINE
33	ISOPHORONE
34	2-NITROPHENOL
35	2,4-DIMETHYLPHENOL
36	BIS(2-CHLOROETHOXY)METHANE
37	BENZOIC ACID
38	2,4-DICHLOROPHENOL
39	1,2,4-TRICHLOROBENZENE
40	NAPHTHALENE
41	4-CHLOROANILINE
42	2,6-DICHLOROPHENOL
43	HEXACHLOROBUTADIENE
44	N-NITROSO-DI-N-BUTYLAMINE
45	4-CHLORO-3-METHYLPHENOL
46	2-METHYL NAPHTHALENE
47	1,2,4,5-TETRACHLOROBENZENE
48	HEXACHLOROCYCLOPENTADIENE
49	2,4,6-TRICHLOROPHENOL

50 2,4,5-TRICHLOROPHENOL

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount	%Tot
1	152	697	11:12	1	1.000	A BB	28198.	40.000 UG	0.73
2	136	896	14:24	2	1.000	A BB	102327.	40.000 UG	0.73
3	164	1179	18:57	3	1.000	A BB	57646.	40.000 UG	0.73
4	188	1421	22:51	4	1.000	A BB	83553.	40.000 UG	0.73
5	240	1853	29:47	5	1.000	A BB	36714.	40.000 UG	0.73
6	264	2151	34:35	6	1.000	A BB	27961.	40.000 UG	0.73
7	112	502	8:04	1	0.720	A BB	57636.	50.000 UG	0.91
8	99	643	10:20	1	0.923	A BB	73788.	50.000 UG	0.91
9	82	782	12:34	2	0.873	A BB	85203.	50.000 UG	0.91
10	172	1071	17:13	3	0.908	A BB	86608.	50.000 UG	0.91
11	330	1307	21:01	3	1.109	A BB	10727.	50.000 UG	0.91
12	244	1682	27:02	5	0.908	A BB	75340.	50.000 UG	0.91
13	42	276	4:26	1	0.396	A BB	48047.	50.000 UG	0.91
14	93	407	6:33	1	0.584	A BB	38867.	50.000 UG	0.91
15	80	475	7:38	1	0.681	A BB	19767.	50.000 UG	0.91
16	79	582	9:21	1	0.835	A BB	65260.	50.000 UG	0.91
17	94	645	10:22	1	0.925	A BB	95381.	50.000 UG	0.91
18	93	647	10:24	1	0.928	A BB	98347.	50.000 UG	0.91
19	93	659	10:36	1	0.945	A BV	66969.	50.000 UG	0.91
20	128	664	10:40	1	0.953	A BB	54747.	50.000 UG	0.91
21	146	688	11:04	1	0.987	A BB	57788.	50.000 UG	0.91
22	146	700	11:15	1	1.004	A BB	58877.	50.000 UG	0.91
23	108	719	11:34	1	1.032	A BB	37953.	50.000 UG	0.91
24	146	722	11:36	1	1.036	A BB	56565.	50.000 UG	0.91
25	108	737	11:51	1	1.057	A BB	59530.	50.000 UG	0.91
26	45	741	11:55	1	1.063	A BB	92079.	50.000 UG	0.91
27	108	737	11:51	1	1.057	A BB	59530.	50.000 UG	0.91
28	70	761	12:14	1	1.092	A BB	64599.	50.000 UG	0.91
29	117	775	12:28	1	1.112	A BB	29897.	50.000 UG	0.91
30	105	760	12:13	2	0.848	A BB	98540.	50.000 UG	0.91
31	77	786	12:38	2	0.877	A BB	90073.	50.000 UG	0.91
32	42	809	13:00	2	0.903	A BB	61469.	50.000 UG	0.91
33	82	824	13:15	2	0.920	A BB	155250.	50.000 UG	0.91
34	139	835	13:25	2	0.932	A BB	29756.	50.000 UG	0.91
35	122	843	13:33	2	0.941	A BB	46104.	50.000 UG	0.91
36	93	859	13:49	2	0.959	A BB	88467.	50.000 UG	0.91
37	122	853	13:43	2	0.952	A BV	2963.	50.000 UG	0.91
38	162	873	14:02	2	0.974	A BB	42402.	50.000 UG	0.91
39	180	887	14:16	2	0.990	A BB	44449.	50.000 UG	0.91
40	128	899	14:27	2	1.003	A BB	158527.	50.000 UG	0.91
41	127	908	14:36	2	1.013	A BB	69143.	50.000 UG	0.91
42	162	909	14:37	2	1.015	A BB	40187.	50.000 UG	0.91
43	225	920	14:47	2	1.027	A BB	23563.	50.000 UG	0.91
44	84	964	15:30	2	1.076	A BB	53469.	50.000 UG	0.91
45	107	986	15:51	2	1.100	A BB	53702.	50.000 UG	0.91
46	142	1010	16:14	2	1.127	A BB	96157.	50.000 UG	0.91
47	216	1037	16:40	3	0.880	A BB	44969.	50.000 UG	0.91
48	237	1036	16:39	3	0.879	A BB	14671.	50.000 UG	0.91
49	196	1056	16:59	3	0.896	A BV	29676.	50.000 UG	0.91
50	196	1061	17:03	3	0.900	A VB	26141.	50.000 UG	0.91

No	Ret(L)	Ratio	RRT(L)	Ratio	Amnt	Amnt(L)	R.Fac	R.Fac(L)	Ratio
1	10:59	1.02	1.000	1.00	40.00	40.00	1.000	1.000	1.00
2	14:11	1.02	1.000	1.00	40.00	40.00	1.000	1.000	1.00
3	18:44	1.01	1.000	1.00	40.00	40.00	1.000	1.000	1.00
4	22:37	1.01	1.000	1.00	40.00	40.00	1.000	1.000	1.00
5	29:34	1.01	1.000	1.00	40.00	40.00	1.000	1.000	1.00
6	34:20	1.01	1.000	1.00	40.00	40.00	1.000	1.000	1.00
7	7:51	1.03	0.714	1.01	50.00	50.00	1.635	1.635	1.00
8	10:08	1.02	0.922	1.00	50.00	50.00	2.093	2.093	1.00
9	12:22	1.02	0.872	1.00	50.00	50.00	0.666	0.666	1.00
10	17:00	1.01	0.907	1.00	50.00	50.00	1.202	1.202	1.00

12	26:49	1.01	0.907	1.00	50.00	50.00	1.642	1.642	1.00
13	4:14	1.05	0.385	1.03	50.00	50.00	1.363	1.363	1.00
14	6:19	1.04	0.575	1.01	50.00	50.00	1.103	1.103	1.00
15	7:26	1.03	0.676	1.01	50.00	50.00	0.561	0.561	1.00
16	9:09	1.02	0.833	1.00	50.00	50.00	1.851	1.851	1.00
17	10:10	1.02	0.925	1.00	50.00	50.00	2.706	2.706	1.00
18	10:12	1.02	0.928	1.00	50.00	50.00	2.790	2.790	1.00
19	10:23	1.02	0.946	1.00	50.00	50.00	1.900	1.900	1.00
20	10:28	1.02	0.953	1.00	50.00	50.00	1.553	1.553	1.00
21	10:50	1.02	0.987	1.00	50.00	50.00	1.639	1.639	1.00
22	11:02	1.02	1.004	1.00	50.00	50.00	1.670	1.670	1.00
23	11:21	1.02	1.034	1.00	50.00	50.00	1.077	1.077	1.00
24	11:23	1.02	1.037	1.00	50.00	50.00	1.605	1.605	1.00
25	11:37	1.02	1.059	1.00	50.00	50.00	1.689	1.689	1.00
26	11:41	1.02	1.064	1.00	50.00	50.00	2.612	2.612	1.00
27	11:37	1.02	1.059	1.00	50.00	50.00	1.689	1.689	1.00
28	12:02	1.02	1.097	1.00	50.00	50.00	1.833	1.833	1.00
29	12:14	1.02	1.114	1.00	50.00	50.00	0.848	0.848	1.00
30	12:01	1.02	0.847	1.00	50.00	50.00	0.770	0.770	1.00
31	12:26	1.02	0.876	1.00	50.00	50.00	0.704	0.704	1.00
32	12:49	1.02	0.904	1.00	50.00	50.00	0.481	0.481	1.00
33	13:02	1.02	0.920	1.00	50.00	50.00	1.214	1.214	1.00
34	13:13	1.02	0.932	1.00	50.00	50.00	0.233	0.233	1.00
35	13:21	1.02	0.941	1.00	50.00	50.00	0.360	0.360	1.00
36	13:36	1.02	0.959	1.00	50.00	50.00	0.692	0.692	1.00
37	13:37	1.01	0.960	0.99	50.00	50.00	0.023	0.023	1.00
38	13:50	1.02	0.975	1.00	50.00	50.00	0.332	0.332	1.00
39	14:02	1.02	0.990	1.00	50.00	50.00	0.348	0.348	1.00
40	14:14	1.02	1.003	1.00	50.00	50.00	1.239	1.239	1.00
41	14:23	1.01	1.015	1.00	50.00	50.00	0.541	0.541	1.00
42	14:24	1.01	1.016	1.00	50.00	50.00	0.314	0.314	1.00
43	14:34	1.02	1.027	1.00	50.00	50.00	0.184	0.184	1.00
44	15:17	1.01	1.078	1.00	50.00	50.00	0.418	0.418	1.00
45	15:39	1.01	1.103	1.00	50.00	50.00	0.420	0.420	1.00
46	16:02	1.01	1.130	1.00	50.00	50.00	0.752	0.752	1.00
47	16:28	1.01	0.879	1.00	50.00	50.00	0.624	0.624	1.00
48	16:26	1.01	0.877	1.00	50.00	50.00	0.204	0.204	1.00
49	16:45	1.01	0.894	1.00	50.00	50.00	0.412	0.412	1.00
50	16:51	1.01	0.900	1.00	50.00	50.00	0.363	0.363	1.00

Quantitation Report File: AD1150STD

Data: AD1150STD.TI
06/14/91 14:58:00
Sample: SSTD050
Conds.: MS-B CASE: EOH0022
Submitted by: Analyst: JOHNSON

AMOUNT=AREA * REF AMNT/(REF AREA * RESP FACT)
Resp. fac. from Library Entry

No	Name
51	2-CHLORONAPHTHALENE
52	1-CHLORONAPHTHALENE
53	2-NITROANILINE
54	DIMETHYL PHTHALATE
55	2,6-DINITROTOLUENE
56	ACENAPHTHYLENE
57	3-NITROANILINE
58	ACENAPHTHENE
59	2,4-DINITROPHENOL
60	4-NITROPHENOL
61	DIBENZOFURAN
62	2,4-DINITROTOLUENE
63	PENTACHLOROBENZENE
64	1-NAPHTHYLAMINE
65	2,3,4,6-TETRACHLOROPHENOL
66	2-NAPHTHYLAMINE
67	DIETHYL PHTHALATE
68	4-CHLOROPHENYL PHENYL ETHER
69	FLUORENE
70	4-NITROANILINE
71	4,6-DINITRO-2-METHYLPHENOL
72	N-NITROSODIPHENYLAMINE
73	1,2-DIPHENYLHYDRAZINE
74	4-BROMOPHENYL PHENYL ETHER
75	PHENACETIN
76	HEXACHLOROBENZENE
77	4-AMINOBIPHENYL
78	PENTACHLOROPHENOL
79	PRONAMIDE (PROPYZAMIDE)
80	PENTACHLORONITROBENZENE
81	PHENANTHRENE
82	ANTHRACENE
83	DI-N-BUTYL PHTHALATE
84	FLUORANTHENE
85	PYRENE
86	BENZIDINE
87	P-DIMETHYLAMINOAZOBENZENE
88	BUTYL BENZYL PHTHALATE
89	3,3'-DICHLOROBENZIDINE
90	BENZO(A)ANTHRACENE
91	CHRYSENE
92	BIS(2-ETHYLHEXYL)PHTHALATE
93	DI-N-OCTYL PHTHALATE
94	7,12-DIMETHYLBENZ(A)ANTHRACENE
95	BENZO(B)FLUORANTHENE
96	BENZO(K)FLUORANTHENE
97	BENZO(A)PYRENE
98	3-METHYLCHOLANTHRENE
99	INDENO(1,2,3-CD)PYRENE

100 DIBENZ(A,H)ANTHRACENE

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount	%Tot
51	162	1093	17:34	3	0.927	M XX	81507.	50.000 UG	0.91
52	162	1089	17:30	3	0.924	M XX	109810.	50.000 UG	0.91
53	65	1106	17:47	3	0.938	A BB	45736.	50.000 UG	0.91
54	163	1137	18:17	3	0.964	A BB	105791.	50.000 UG	0.91
55	165	1146	18:25	3	0.972	A BB	21227.	50.000 UG	0.91
56	152	1156	18:35	3	0.980	A BB	131092.	50.000 UG	0.91
57	138	1173	18:51	3	0.995	A BB	21740.	50.000 UG	0.91
58	154	1185	19:03	3	1.005	A BV	76464.	50.000 UG	0.91
59	184	1190	19:08	3	1.009	A BB	3646.	50.000 UG	0.91
60	139	1200	19:18	3	1.018	A BB	8433.	50.000 UG	0.91
61	168	1213	19:30	3	1.029	A BB	125429.	50.000 UG	0.91
62	165	1211	19:28	3	1.027	A BB	26940.	50.000 UG	0.91
63	250	1206	19:23	3	1.023	A BB	40036.	50.000 UG	0.91
64	143	1225	19:42	3	1.039	A BV	80427.	50.000 UG	0.91
65	232	1232	19:48	3	1.045	A BB	16285.	50.000 UG	0.91
66	143	1238	19:54	3	1.050	A VB	69709.	50.000 UG	0.91
67	149	1252	20:08	3	1.062	A BB	107461.	50.000 UG	0.91
68	204	1269	20:24	3	1.076	A BB	45111.	50.000 UG	0.91
69	166	1269	20:24	3	1.076	A BB	97217.	50.000 UG	0.91
70	138	1271	20:26	3	1.078	A BB	17388.	50.000 UG	0.91
71	198	1277	20:32	4	0.899	A BB	9156.	50.000 UG	0.91
72	169	1289	20:43	4	0.907	A BB	132131.	50.000 UG	0.91
73	77	1295	20:49	4	0.911	A VB	144525.	50.000 UG	0.91
74	248	1349	21:41	4	0.949	A BB	26449.	50.000 UG	0.91
75	108	1339	21:32	4	0.942	A BB	36140.	50.000 UG	0.91
76	284	1357	21:49	4	0.955	A BB	30043.	50.000 UG	0.91
77	169	1391	22:22	4	0.979	A BB	70152.	50.000 UG	0.91
78	266	1390	22:21	4	0.978	A BB	7859.	50.000 UG	0.91
79	173	1401	22:31	4	0.986	A BB	35188.	50.000 UG	0.91
80	295	1392	22:23	4	0.980	A BB	4198.	50.000 UG	0.91
81	178	1425	22:55	4	1.003	A BV	111215.	50.000 UG	0.91
82	178	1434	23:03	4	1.009	A VB	112011.	50.000 UG	0.91
83	149	1518	24:24	4	1.068	A BB	137155.	50.000 UG	0.91
84	202	1619	26:02	4	1.139	A BB	86458.	50.000 UG	0.91
85	202	1656	26:37	5	0.894	A BB	80679.	50.000 UG	0.91
86	184	1641	26:23	5	0.886	A BB	24486.	50.000 UG	0.91
87	120	1705	27:25	5	0.920	A BB	15735.	50.000 UG	0.91
88	149	1762	28:20	5	0.951	A BB	31387.	50.000 UG	0.91
89	252	1846	29:41	5	0.996	A BB	18314.	50.000 UG	0.91
90	228	1851	29:45	5	0.999	A BV	51933.	50.000 UG	0.91
91	228	1857	29:51	5	1.002	A VB	52489.	50.000 UG	0.91
92	149	1854	29:48	5	1.001	A VV	66076.	50.000 UG	0.91
93	149	1970	31:40	6	0.916	A BB	62087.	50.000 UG	0.91
94	256	2054	33:01	6	0.955	A BB	21008.	50.000 UG	0.91
95	252	2055	33:02	6	0.955	A BV	47211.	50.000 UG	0.91
96	252	2062	33:09	6	0.959	A VB	42967.	50.000 UG	0.91
97	252	2136	34:20	6	0.993	A BV	39670.	50.000 UG	0.91
98	268	2235	35:56	6	1.039	A BB	20504.	50.000 UG	0.91
99	276	2502	40:13	6	1.163	A BV	32344.	50.000 UG	0.91
100	278	2513	40:24	6	1.168	A BB	38419.	50.000 UG	0.91

No	Ret(L)	Ratio	RRT(L)	Ratio	Amnt	Amnt(L)	R.Fac	R.Fac(L)	Ratio
51	17:18	1.02	0.924	1.00	50.00	50.00	1.131	1.131	1.00
52	17:18	1.01	0.924	1.00	50.00	50.00	1.524	1.524	1.00
53	17:34	1.01	0.938	1.00	50.00	50.00	0.635	0.635	1.00
54	18:04	1.01	0.965	1.00	50.00	50.00	1.468	1.468	1.00
55	18:13	1.01	0.973	1.00	50.00	50.00	0.295	0.295	1.00
56	18:22	1.01	0.980	1.00	50.00	50.00	1.819	1.819	1.00
57	18:39	1.01	0.996	1.00	50.00	50.00	0.302	0.302	1.00
58	18:50	1.01	1.005	1.00	50.00	50.00	1.061	1.061	1.00
59	18:55	1.01	1.010	1.00	50.00	50.00	0.051	0.051	1.00
60	19:05	1.01	1.019	1.00	50.00	50.00	0.117	0.117	1.00

[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
62	19:17	1.01	1.029	1.00	50.00	50.00	0.374	0.374	1.00
63	19:10	1.01	1.023	1.00	50.00	50.00	0.556	0.556	1.00
64	19:29	1.01	1.040	1.00	50.00	50.00	1.116	1.116	1.00
65	19:36	1.01	1.046	1.00	50.00	50.00	0.226	0.226	1.00
66	19:42	1.01	1.052	1.00	50.00	50.00	0.967	0.967	1.00
67	19:55	1.01	1.064	1.00	50.00	50.00	1.491	1.491	1.00
68	20:12	1.01	1.078	1.00	50.00	50.00	0.626	0.626	1.00
69	20:11	1.01	1.077	1.00	50.00	50.00	1.349	1.349	1.00
70	20:14	1.01	1.081	1.00	50.00	50.00	0.241	0.241	1.00
71	20:19	1.01	0.898	1.00	50.00	50.00	0.088	0.088	1.00
72	20:31	1.01	0.907	1.00	50.00	50.00	1.265	1.265	1.00
73	20:37	1.01	0.911	1.00	50.00	50.00	1.384	1.384	1.00
74	21:28	1.01	0.949	1.00	50.00	50.00	0.253	0.253	1.00
75	21:20	1.01	0.943	1.00	50.00	50.00	0.346	0.346	1.00
76	21:36	1.01	0.955	1.00	50.00	50.00	0.288	0.288	1.00
77	22:09	1.01	0.979	1.00	50.00	50.00	0.672	0.672	1.00
78	22:07	1.01	0.978	1.00	50.00	50.00	0.075	0.075	1.00
79	22:19	1.01	0.986	1.00	50.00	50.00	0.337	0.337	1.00
80	22:10	1.01	0.980	1.00	50.00	50.00	0.040	0.040	1.00
81	22:42	1.01	1.004	1.00	50.00	50.00	1.065	1.065	1.00
82	22:50	1.01	1.009	1.00	50.00	50.00	1.072	1.072	1.00
83	24:11	1.01	1.069	1.00	50.00	50.00	1.313	1.313	1.00
84	25:48	1.01	1.141	1.00	50.00	50.00	0.828	0.828	1.00
85	26:24	1.01	0.893	1.00	50.00	50.00	1.758	1.758	1.00
86	26:09	1.01	0.885	1.00	50.00	50.00	0.534	0.534	1.00
87	27:11	1.01	0.920	1.00	50.00	50.00	0.343	0.343	1.00
88	28:06	1.01	0.951	1.00	50.00	50.00	0.684	0.684	1.00
89	29:28	1.01	0.997	1.00	50.00	50.00	0.399	0.399	1.00
90	29:32	1.01	0.999	1.00	50.00	50.00	1.132	1.132	1.00
91	29:38	1.01	1.002	1.00	50.00	50.00	1.144	1.144	1.00
92	29:35	1.01	1.001	1.00	50.00	50.00	1.440	1.440	1.00
93	31:26	1.01	0.915	1.00	50.00	50.00	1.776	1.776	1.00
94	32:49	1.01	0.956	1.00	50.00	50.00	0.601	0.601	1.00
95	32:50	1.01	0.956	1.00	50.00	50.00	1.351	1.351	1.00
96	32:56	1.01	0.959	1.00	50.00	50.00	1.229	1.229	1.00
97	34:07	1.01	0.993	1.00	50.00	50.00	1.135	1.135	1.00
98	35:42	1.01	1.040	1.00	50.00	50.00	0.587	0.587	1.00
99	40:11	1.00	1.170	0.99	50.00	50.00	0.925	0.925	1.00
100	40:11	1.01	1.170	1.00	50.00	50.00	1.099	1.099	1.00

Quantitation Report File: AD1150STD

Data: AD1150STD.TI
06/14/91 14:58:00
Sample: SSTD050
Conds.: MS-B CASE: EOH0022
Submitted by: Analyst: JOHNSON

AMOUNT=AREA * REF AMNT/(REF AREA * RESP FACT)
Resp. fac. from Library Entry

No	Name
101	BENZO (G,H,I)PERYLENE
102	DIBENZ(A,J)ACRIDINE

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount	%Tot
101	276	2611	41:59	6	1.214	A BB	32809.	50.000 UG	0.91
102	279	2435	39:09	6	1.132	A BB	29827.	50.000 UG	0.91

No	Ret(L)	Ratio	RRT(L)	Ratio	Amnt	Amnt(L)	R.Fac	R.Fac(L)	Ratio
101	41:46	1.01	1.216	1.00	50.00	50.00	0.939	0.939	1.00
102	38:55	1.01	1.133	1.00	50.00	50.00	0.853	0.853	1.00

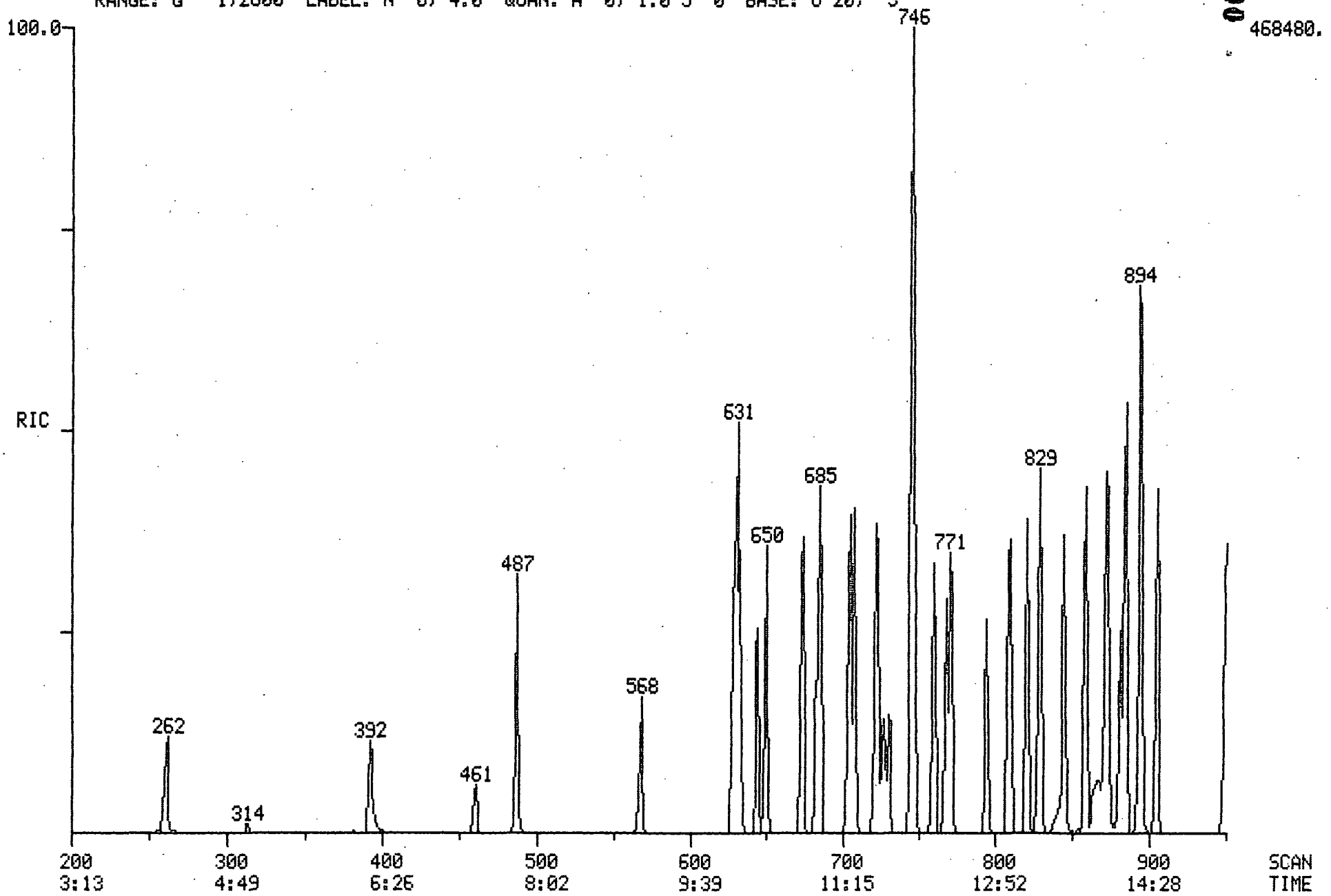
MIDRIC
06/14/91 16:48:00
SAMPLE: SSTD080
CONDS.: MS-B CASE: EOH0022
RANGE: G 1,2800 LABEL: N 0, 4.0 QUAN: A 0, 1.0 J 0 BASE: U 20, 3

DATA: AD1380STD #1
CALI: AD1380STD #2

SCANS 200 TO 950

T.J. Masoian
6.18.91

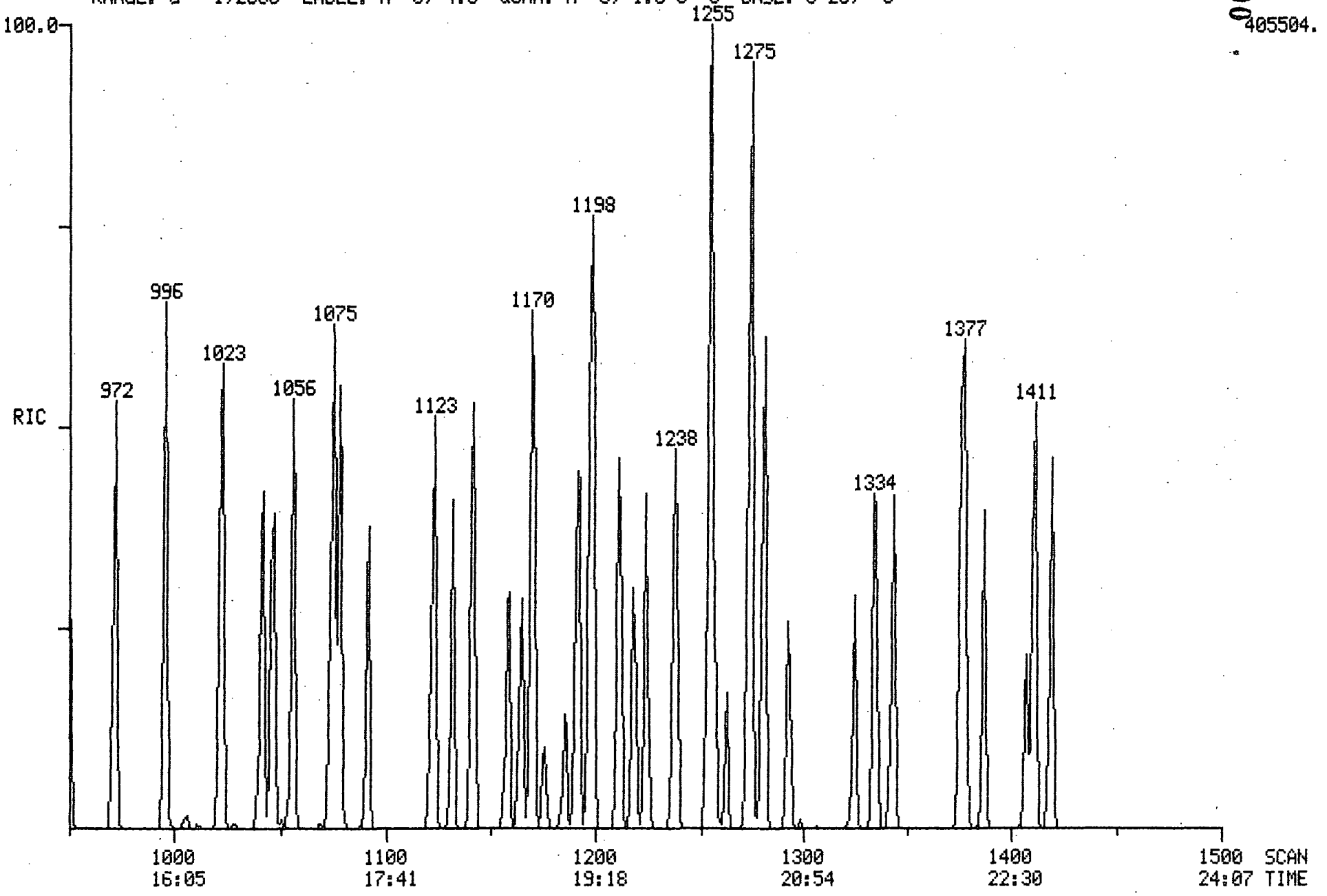
00902



MIDRIC
06/14/91 16:48:00
SAMPLE: SSTD080
CONDS.: MS-B CASE: EOH0022
RANGE: G 1,2800 LABEL: N 0, 4.0 QUAN: A 0, 1.0 J 0 BASE: U 20, 3

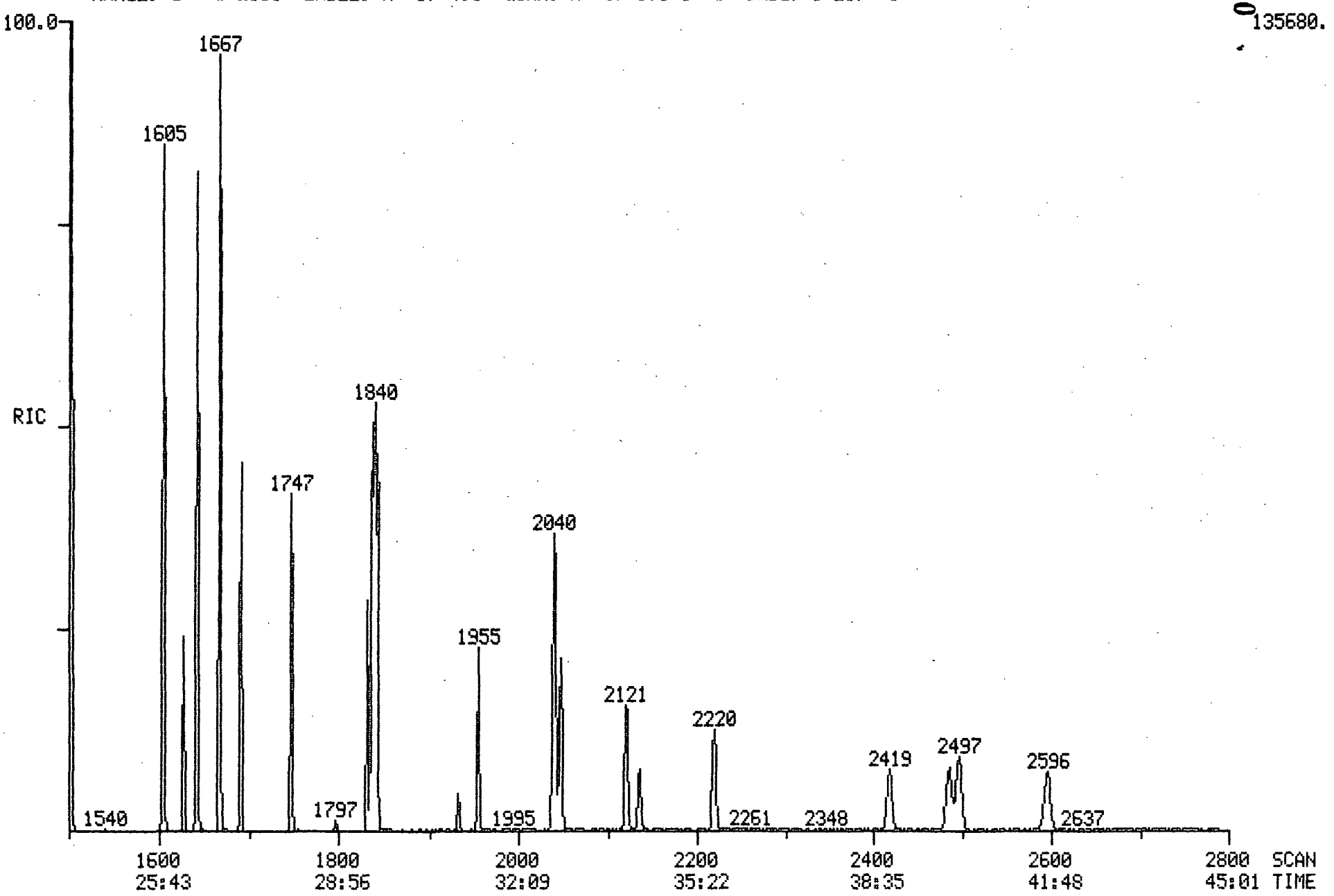
DATA: AD1380STD #1 SCANS 950 TO 1500
CALI: AD1380STD #2

00903



MIDRIC
06/14/91 16:48:00
SAMPLE: SSTD080
CONDS.: MS-B CASE: EOH0022
RANGE: G 1,2800 LABEL: N 0, 4.0 QUAN: A 0, 1.0 J 0 BASE: U 20, 3

DATA: AD1380STD #1 SCANS 1500 TO 2800
CALI: AD1380STD #2

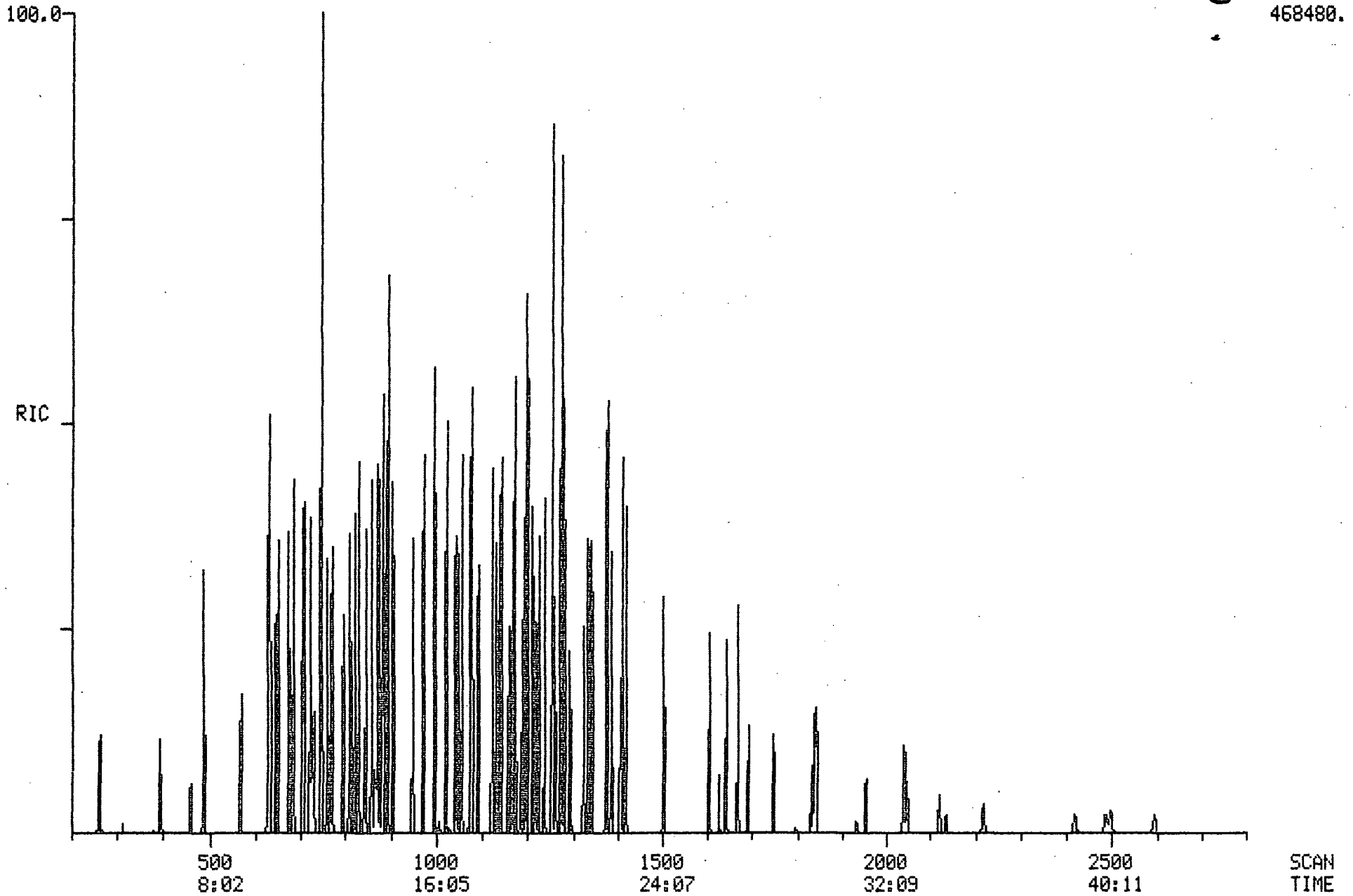


000904

MIDRIC
06/14/91 16:48:00
SAMPLE: SSTD080
CONDS.: MS-B CASE: EOH0022
RANGE: G 1,2800 LABEL: N 0, 4.0 QUAN: A 0, 1.0 J 0 BASE: U 20, 3

DATA: AD1380STD #1 SCANS 200 TO 2800
CALI: AD1380STD #2

00905



PROCEDURE: TCA DIAGNOSTIC REPORT 6/15/91 17:35:17
DATA FILE: AD1380STD
REFERENCE: 82711
NAME LIST: 8270 INITIALIZATION OPTION: 4 PROCESSING OPTION: 3
REPORT: DSISTD

< ---- STANDARDS ----- ><				--- PLUS UNKNOWNS --- ><				- LIST NAMES - >
PROC	USED	POSS	RMS	PROC	USED	POSS	RMS	STANDARD/UNKNOWN
6	4	1	41	12	12	1	44	DSISTD/DSSURR
6	6	1	32	21	20	128	61	DSISTD/82701
6	6	1	32	21	21	1	58	DSISTD/82702
6	6	1	32	21	19	16	283	DSISTD/82703
6	6	1	32	21	21	4	262	DSISTD/82704
6	6	1	32	21	20	8	269	DSISTD/82705
6	6	1	32	21	20	32	671	DSISTD/82706

102 COMPOUNDS PROCESSED, 95 FOUND

< COMPOUND ><			---------- SEARCH ---------- >< SAT >< ------ CHRO -------											
NO	LIB	ENTRY	REF	PRED	SEL	DELTA	PEAKS	FIT	PEAKS	M/Z	TOP	DELTA	PEAKS
1	DS	1	-706	683	683	.	1	964	.	152	682	-1	1
2	DS	2	-905	881	881	.	1	915	.	136	881	.	1
3	DS	3	-1189	1165	1165	.	1	955	.	164	1165	.	1
4	DS	4	-1431	1407	1407	.	1	989	.	188	1407	.	1
5	DS	5	-1864	1839	.	.	.	.	.	240	1838	.	1
6	DS	6	-2170	2145	.	.	.	.	.	264	.	.	.
7	DS	7	-510	487	487	.	1	978	.	112	487	.	1
8	DS	8	-651	628	629	1	1	935	.	99	629	.	1
9	DS	9	-791	768	768	.	1	975	.	82	768	.	1
10	DS	10	-1080	1056	1056	.	1	997	.	172	1056	.	1
11	DS	11	-1317	1293	1293	.	1	928	.	330	1293	.	1
12	DS	12	-1692	1667	1667	.	1	969	.	244	1667	.	1
13	DS	13	-285	263	262	-1	1	977	.	42	262	.	1
14	DS	14	-416	393	392	-1	1	993	.	93	392	.	1
15	DS	15	-484	461	461	.	1	991	.	80	461	.	1
16	DS	16	-590	567	568	1	1	995	.	79	568	.	1
17	DS	17	-653	630	631	1	1	977	.	94	631	.	1
18	DS	18	-656	633	.	.	.	.	.	93	633	.	1
19	DS	19	-667	644	645	1	1	978	.	93	645	.	1
20	DS	20	-673	650	650	.	1	935	.	128	650	.	1
21	DS	21	-697	674	674	.	2	962	.	146	673	-1	1
22	DS	22	-731	708	708	.	2	968	.	146	708	.	1
23	DS	23	-727	704	705	1	2	996	.	108	705	.	1
24	DS	24	-731	708	708	.	2	959	.	146	708	.	1
25	DS	25	-745	722	722	.	2	993	.	108	722	.	1
26	DS	26	-750	727	727	.	2	953	.	45	727	.	1
27	DS	27	-745	722	722	.	2	969	.	108	722	.	1
28	DS	28	-769	746	747	1	1	961	.	70	747	.	1
29	DS	29	-784	761	760	-1	1	969	.	117	760	.	1
30	DS	30	-768	745	746	1	1	958	.	105	745	-1	1
31	DS	31	-794	771	771	.	1	959	.	77	771	.	1
32	DS	32	-818	795	795	.	1	993	.	42	795	.	1
33	DS	33	-832	809	810	1	1	974	.	82	810	.	1
34	DS	34	-844	821	821	.	1	966	.	139	821	.	1
35	DS	35	-852	829	829	.	1	975	.	122	829	.	1
36	DS	36	-868	845	845	.	1	953	.	93	845	.	1
37	DS	39	-882	859	859	.	1	995	.	162	859	.	1
38	DS	40	-896	873	872	-1	1	984	.	180	872	.	1
39	DS	41	-908	885	885	.	1	972	.	128	885	.	1
40	DS	42	-917	894	894	.	1	903	.	127	894	.	1

[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	.	1	[illegible]	.	[illegible]	[illegible]	.	1
42	DS	44	-929	906	905	-1	1	982	.	225	905	.	1
43	DS	45	-973	952	950	-2	1	992	.	84	950	.	1
44	DS	46	-995	974	.	.	.	.	.	107	972	.	1
45	DS	47	-1020	999	996	-3	1	971	.	142	996	.	1
46	DS	48	-1047	1026	1023	-3	1	986	.	216	1023	.	1
47	DS	49	-1045	1024	.	.	.	.	.	237	.	.	.
48	DS	50	-1065	1044	1042	-2	2	957	.	196	1041	-1	1
49	DS	51	-1070	1049	1047	-2	2	963	.	196	1046	-1	1
50	DS	52	-1098	1077	1075	-2	2	985	.	162	1075	.	1
51	DS	53	-1093	1072	1075	3	2	992	.	162	1075	.	1
52	DS	54	-1110	1088	1092	4	1	958	.	65	1092	.	1
53	DS	55	-1141	1119	1123	4	1	972	.	163	1123	.	1
54	DS	56	-1150	1128	1132	4	1	975	.	165	1132	.	1
55	DS	57	-1160	1138	1142	4	1	972	.	152	1142	.	1
56	DS	58	-1177	1155	1159	4	1	969	.	138	1158	-1	1
57	DS	59	-1189	1167	1170	3	1	976	.	154	1170	.	1
58	DS	60	-1194	1174	1176	2	1	980	.	184	1175	-1	1
59	DS	61	-1203	1183	1185	2	1	976	.	139	1185	.	1
60	DS	62	-1217	1197	1198	1	1	909	.	168	1198	.	1
61	DS	63	-1216	1196	1197	1	1	963	.	165	1197	.	1
62	DS	64	-1210	1190	1191	1	1	976	.	250	1191	.	1
63	DS	65	-1230	1210	1211	1	2	988	.	143	1211	.	1
64	DS	66	-1236	1216	1218	2	1	984	.	232	1218	.	1
65	DS	67	-1243	1223	1224	1	2	993	.	143	1224	.	1
66	DS	68	-1256	1236	1238	2	1	977	.	149	1238	.	1
67	DS	69	-1273	1253	1255	2	1	956	.	204	1255	.	1
68	DS	70	-1273	1253	1254	1	1	978	.	166	1254	.	1
69	DS	71	-1276	1256	1257	1	1	976	.	138	1257	.	1
70	DS	72	-1281	1261	1263	2	1	948	.	198	1262	-1	1
71	DS	73	-1293	1273	1275	2	1	992	.	169	1275	.	1
72	DS	74	-1299	1279	1281	2	1	966	-1	77	1281	.	1
73	DS	75	-1353	1333	1334	1	1	979	.	248	1334	.	1
74	DS	76	-1343	1323	1325	2	1	993	.	108	1325	.	1
75	DS	78	-1362	1342	1343	1	1	988	.	284	1343	.	1
76	DS	79	-1395	1375	1377	2	1	919	.	169	1377	.	1
77	DS	81	-1394	1374	.	.	.	.	.	266	1375	.	1
78	DS	83	-1405	1385	1387	2	1	982	.	173	1387	.	1
79	DS	84	-1396	1376	1378	2	1	943	.	295	1378	.	1
80	DS	85	-1430	1410	1411	1	2	992	.	178	1411	.	1
81	DS	86	-1438	1418	1419	1	2	919	.	178	1419	.	1
82	DS	89	-1522	1502	1503	1	1	994	.	149	1503	.	1
83	DS	92	-1624	1604	1605	1	1	994	.	202	1605	.	1
84	DS	93	-1661	1641	1642	1	2	994	.	202	1642	.	1
85	DS	96	-1645	1625	1626	1	1	980	.	184	1626	.	1
86	DS	98	-1709	1689	1690	1	1	965	.	120	1690	.	1
87	DS	103	-1766	1746	1747	1	1	941	.	149	1747	.	1
88	DS	108	-1851	1824	1832	8	1	980	.	252	1832	.	1
89	DS	109	-1862	1835	1837	2	2	992	.	228	1836	-1	1
90	DS	110	-1862	1835	1837	2	2	985	.	228	1836	-1	1
91	DS	111	-1858	1831	1840	9	1	918	.	149	1840	.	1
92	DS	112	-1976	1949	1955	6	1	954	.	149	1955	.	1
93	DS	113	-2064	2037	2040	3	1	929	.	256	2039	-1	1
94	DS	114	-2066	2039	2041	2	2	950	.	252	2041	.	1
95	DS	115	-2072	2045	2047	2	2	961	.	252	2047	.	1
96	DS	116	-2148	2121	2121	.	1	944	.	252	2121	.	1
97	DS	117	-2249	2222	2220	-2	1	932	.	268	2219	-1	1
98	DS	118	-2525	2497	2498	1	2	930	.	276	2498	.	1
99	DS	119	-2536	2508	.	.	.	.	.	278	.	.	.
100	DS	120	-2637	2609	2596	-13	1	975	.	276	2596	.	1
101	DS	128	-2455	2428	2419	-9	1	948	.	279	2419		1
102	DS	37	-886	861	842	-19	1	970	.	122	842		1

Quantitation Report File: AD1380STD

Data: AD1380STD.TI
06/14/91 16:48:00
Sample: SSTD080
Conds.: MS-B CASE: EOH0022
Submitted by: Analyst: JOHNSON

AMOUNT=AREA * REF AMNT/(REF AREA * RESP FACT)
Resp. fac. from Library Entry

No	Name
1	ISTD D4-1,4-DICHLOROBENZENE
2	ISTD D-8-NAPHTHALENE
3	ISTD ACENAPHTHENE-D10
4	INTERNAL STANDARD D-10-PHENANTHRENE
5	INTERNAL STANDARD D-12-CHRYSENE
6	ISTD D-12 PERYLENE
7	SURROGATE 2-FLUOROPHENOL
8	SURROGATE D-6-PHENOL
9	SURROGATE D5-NITROBENZENE
10	SURROGATE 2-FLUOROBIPHENYL
11	SURROGATE STANDARD 2,4,6-TRIBROMOPHENOL
12	SURROGATE STANDARD P-TERPHENYL D-14
13	N-NITROSODIMETHYLAMINE
14	2-PICOLINE
15	METHYL METHANESULFONATE
16	ETHYL METHANESULFONATE
17	C315 PHENOL
18	ANILINE
19	BIS(2-CHLOROETHYL)ETHER
20	2-CHLOROPHENOL
21	1,3-DICHLOROBENZENE
22	1,4-DICHLOROBENZENE
23	BENZYL ALCOHOL
24	1,2-DICHLOROBENZENE
25	2-METHYLPHENOL
26	BIS(2-CHLOROISOPROPYL)ETHER
27	4-METHYLPHENOL
28	N-NITROSO-DI-N-PROPYLAMINE
29	HEXACHLOROETHANE
30	ACETOPHENONE
31	NITROBENZENE
32	N-NITROSOPIPERIDINE
33	ISOPHORONE
34	2-NITROPHENOL
35	2,4-DIMETHYLPHENOL
36	BIS(2-CHLOROETHOXY)METHANE
37	BENZOIC ACID
38	2,4-DICHLOROPHENOL
39	1,2,4-TRICHLOROBENZENE
40	NAPHTHALENE
41	4-CHLOROANILINE
42	2,6-DICHLOROPHENOL
43	HEXACHLOROBUTADIENE
44	N-NITROSO-DI-N-BUTYLAMINE
45	4-CHLORO-3-METHYLPHENOL
46	2-METHYL NAPHTHALENE
47	1,2,4,5-TETRACHLOROBENZENE
48	HEXACHLOROCYCLOPENTADIENE
49	2,4,6-TRICHLOROPHENOL

50 2,4,5-TRICHLOROPHENOL

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount	%Tot
1	152	682	10:58	1	1.000	A BB	25256.	40.000 UG	0.47
2	136	881	14:10	2	1.000	A BB	102764.	40.000 UG	0.47
3	164	1165	18:44	3	1.000	A BB	55715.	40.000 UG	0.47
4	188	1407	22:37	4	1.000	A BB	77859.	40.000 UG	0.47
5	240	1838	29:33	5	1.000	A BB	28592.	40.000 UG	0.47
6	264	2136	34:20	6	1.000	A BB	20121.	40.000 UG	0.47
7	112	487	7:50	1	0.714	A BB	71592.	80.000 UG	0.94
8	99	629	10:07	1	0.922	A BB	93633.	80.000 UG	0.94
9	82	768	12:21	2	0.872	A BB	109224.	80.000 UG	0.94
10	172	1056	16:59	3	0.906	A BB	152591.	80.000 UG	0.94
11	330	1293	20:47	3	1.110	A BB	23348.	80.000 UG	0.94
12	244	1667	26:48	5	0.907	A BB	110939.	80.000 UG	0.94
13	42	262	4:13	1	0.384	A BB	63821.	80.000 UG	0.94
14	93	392	6:18	1	0.575	A BB	43433.	80.000 UG	0.94
15	80	461	7:25	1	0.676	A BB	26098.	80.000 UG	0.94
16	79	568	9:08	1	0.833	A BB	79241.	80.000 UG	0.94
17	94	631	10:09	1	0.925	A BB	114074.	80.000 UG	0.94
18	93	633	10:11	1	0.928	A BB	122677.	80.000 UG	0.94
19	93	645	10:22	1	0.946	A BV	80941.	80.000 UG	0.94
20	128	650	10:27	1	0.953	A BB	73640.	80.000 UG	0.94
21	146	673	10:49	1	0.987	A BB	76640.	80.000 UG	0.94
22	146	685	11:01	1	1.004	A BB	81823.	80.000 UG	0.94
23	108	705	11:20	1	1.034	A BB	49553.	80.000 UG	0.94
24	146	708	11:23	1	1.038	A BB	78807.	80.000 UG	0.94
25	108	722	11:36	1	1.059	A BB	74399.	80.000 UG	0.94
26	45	727	11:41	1	1.066	A BB	108951.	80.000 UG	0.94
27	108	722	11:36	1	1.059	A BB	74399.	80.000 UG	0.94
28	70	747	12:01	1	1.095	A BB	87419.	80.000 UG	0.94
29	117	760	12:13	1	1.114	A BB	41722.	80.000 UG	0.94
30	105	745	11:59	2	0.846	A BB	126547.	80.000 UG	0.94
31	77	771	12:24	2	0.875	A BB	118685.	80.000 UG	0.94
32	42	795	12:47	2	0.902	A BB	81485.	80.000 UG	0.94
33	82	810	13:01	2	0.919	A BB	199846.	80.000 UG	0.94
34	139	821	13:12	2	0.932	A BB	44373.	80.000 UG	0.94
35	122	829	13:20	2	0.941	A BB	66839.	80.000 UG	0.94
36	93	845	13:35	2	0.959	A BB	117628.	80.000 UG	0.94
37	122	842	13:32	2	0.956	A BB	9948.	80.000 UG	0.94
38	162	859	13:49	2	0.975	A BB	67841.	80.000 UG	0.94
39	180	872	14:01	2	0.990	A BB	79458.	80.000 UG	0.94
40	128	885	14:14	2	1.005	A BB	220616.	80.000 UG	0.94
41	127	894	14:22	2	1.015	A BB	105965.	80.000 UG	0.94
42	162	895	14:23	2	1.016	A BB	66423.	80.000 UG	0.94
43	225	905	14:33	2	1.027	A BB	48041.	80.000 UG	0.94
44	84	950	15:16	2	1.078	A BB	79279.	80.000 UG	0.94
45	107	972	15:38	2	1.103	A BB	78916.	80.000 UG	0.94
46	142	996	16:01	2	1.131	A BB	147514.	80.000 UG	0.94
47	216	1023	16:27	3	0.878	A BB	75410.	80.000 UG	0.94
48	237	1021	16:25	3	0.876	A BB	29622.	80.000 UG	0.94
49	196	1041	16:44	3	0.894	A BV	51979.	80.000 UG	0.94
50	196	1046	16:49	3	0.898	A VB	45212.	80.000 UG	0.94

No	Ret(L)	Ratio	RRT(L)	Ratio	Amnt	Amnt(L)	R.Fac	R.Fac(L)	Ratio
1	10:59	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
2	14:11	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
3	18:44	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
4	22:37	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
5	29:34	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
6	34:20	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
7	7:51	1.00	0.714	1.00	80.00	80.00	1.417	1.417	1.00
8	10:08	1.00	0.922	1.00	80.00	80.00	1.854	1.854	1.00
9	12:22	1.00	0.872	1.00	80.00	80.00	0.531	0.531	1.00
10	17:00	1.00	0.907	1.00	80.00	80.00	1.369	1.369	1.00

00909

12	26:49	1.00	0.907	1.00	80.00	80.00	1.940	1.940	1.00
13	4:14	1.00	0.385	1.00	80.00	80.00	1.263	1.263	1.00
14	6:19	1.00	0.575	1.00	80.00	80.00	0.860	0.860	1.00
15	7:26	1.00	0.676	1.00	80.00	80.00	0.517	0.517	1.00
16	9:09	1.00	0.833	1.00	80.00	80.00	1.569	1.569	1.00
17	10:10	1.00	0.925	1.00	80.00	80.00	2.258	2.258	1.00
18	10:12	1.00	0.928	1.00	80.00	80.00	2.429	2.429	1.00
19	10:23	1.00	0.946	1.00	80.00	80.00	1.602	1.602	1.00
20	10:28	1.00	0.953	1.00	80.00	80.00	1.458	1.458	1.00
21	10:50	1.00	0.987	1.00	80.00	80.00	1.517	1.517	1.00
22	11:02	1.00	1.004	1.00	80.00	80.00	1.620	1.620	1.00
23	11:21	1.00	1.034	1.00	80.00	80.00	0.981	0.981	1.00
24	11:23	1.00	1.037	1.00	80.00	80.00	1.560	1.560	1.00
25	11:37	1.00	1.059	1.00	80.00	80.00	1.473	1.473	1.00
26	11:41	1.00	1.064	1.00	80.00	80.00	2.157	2.157	1.00
27	11:37	1.00	1.059	1.00	80.00	80.00	1.473	1.473	1.00
28	12:02	1.00	1.097	1.00	80.00	80.00	1.731	1.731	1.00
29	12:14	1.00	1.114	1.00	80.00	80.00	0.826	0.826	1.00
30	12:01	1.00	0.847	1.00	80.00	80.00	0.616	0.616	1.00
31	12:26	1.00	0.876	1.00	80.00	80.00	0.577	0.577	1.00
32	12:49	1.00	0.904	1.00	80.00	80.00	0.396	0.396	1.00
33	13:02	1.00	0.920	1.00	80.00	80.00	0.972	0.972	1.00
34	13:13	1.00	0.932	1.00	80.00	80.00	0.216	0.216	1.00
35	13:21	1.00	0.941	1.00	80.00	80.00	0.325	0.325	1.00
36	13:36	1.00	0.959	1.00	80.00	80.00	0.572	0.572	1.00
37	13:37	0.99	0.960	1.00	80.00	80.00	0.048	0.048	1.00
38	13:50	1.00	0.975	1.00	80.00	80.00	0.330	0.330	1.00
39	14:02	1.00	0.990	1.00	80.00	80.00	0.387	0.387	1.00
40	14:14	1.00	1.003	1.00	80.00	80.00	1.073	1.073	1.00
41	14:23	1.00	1.015	1.00	80.00	80.00	0.516	0.516	1.00
42	14:24	1.00	1.016	1.00	80.00	80.00	0.323	0.323	1.00
43	14:34	1.00	1.027	1.00	80.00	80.00	0.234	0.234	1.00
44	15:17	1.00	1.078	1.00	80.00	80.00	0.386	0.386	1.00
45	15:39	1.00	1.103	1.00	80.00	80.00	0.384	0.384	1.00
46	16:02	1.00	1.130	1.00	80.00	80.00	0.718	0.718	1.00
47	16:28	1.00	0.879	1.00	80.00	80.00	0.677	0.677	1.00
48	16:26	1.00	0.877	1.00	80.00	80.00	0.266	0.266	1.00
49	16:45	1.00	0.894	1.00	80.00	80.00	0.466	0.466	1.00
50	16:51	1.00	0.900	1.00	80.00	80.00	0.406	0.406	1.00

Quantitation Report File: AD1380STD

Data: AD1380STD.TI
06/14/91 16:48:00
Sample: SSTD080
Conds.: MS-B CASE: EOH0022
Submitted by: Analyst: JOHNSON

AMOUNT=AREA * REF AMNT/(REF AREA * RESP FACT)
Resp. fac. from Library Entry

No	Name
51	2-CHLORONAPHTHALENE
52	1-CHLORONAPHTHALENE
53	2-NITROANILINE
54	DIMETHYL PHTHALATE
55	2,6-DINITROTOLUENE
56	ACENAPHTHYLENE
57	3-NITROANILINE
58	ACENAPHTHENE
59	2,4-DINITROPHENOL
60	4-NITROPHENOL
61	DIBENZOFURAN
62	2,4-DINITROTOLUENE
63	PENTACHLOROBENZENE
64	1-NAPHTHYLAMINE
65	2,3,4,6-TETRACHLOROPHENOL
66	2-NAPHTHYLAMINE
67	DIETHYL PHTHALATE
68	4-CHLOROPHENYL PHENYL ETHER
69	FLUORENE
70	4-NITROANILINE
71	4,6-DINITRO-2-METHYLPHENOL
72	N-NITROSODIPHENYLAMINE
73	1,2-DIPHENYLHYDRAZINE
74	4-BROMOPHENYL PHENYL ETHER
75	PHENACETIN
76	HEXACHLOROBENZENE
77	4-AMINOBIPHENYL
78	PENTACHLOROPHENOL
79	PRONAMIDE (PROPYZAMIDE)
80	PENTACHLORONITROBENZENE
81	PHENANTHRENE
82	ANTHRACENE
83	DI-N-BUTYL PHTHALATE
84	FLUORANTHENE
85	PYRENE
86	BENZIDINE
87	P-DIMETHYLAMINOAZOBENZENE
88	BUTYL BENZYL PHTHALATE
89	3,3'-DICHLOROBENZIDINE
90	BENZO(A)ANTHRACENE
91	CHRYSENE
92	BIS(2-ETHYLHEXYL)PHTHALATE
93	DI-N-OCTYL PHTHALATE
94	7,12-DIMETHYLBENZ(A)ANTHRACENE
95	BENZO(B)FLUORANTHENE
96	BENZO(K)FLUORANTHENE
97	BENZO(A)PYRENE
98	3-METHYLCHOLANTHRENE
99	INDENO(1,2,3-CD)PYRENE

100 DIBENZ(A,H)ANTHRACENE

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount	%Tot
51	162	1078	17:20	3	0.925	M XX	150883.	80.000 UG	0.94
52	162	1075	17:17	3	0.923	M XX	167053.	80.000 UG	0.94
53	65	1092	17:33	3	0.937	A BB	65985.	80.000 UG	0.94
54	163	1123	18:03	3	0.964	A BB	180577.	80.000 UG	0.94
55	165	1132	18:12	3	0.972	A BB	34168.	80.000 UG	0.94
56	152	1142	18:22	3	0.980	A BB	208370.	80.000 UG	0.94
57	138	1158	18:37	3	0.994	A BB	32491.	80.000 UG	0.94
58	154	1170	18:49	3	1.004	A BV	130334.	80.000 UG	0.94
59	184	1175	18:53	3	1.009	A BB	9494.	80.000 UG	0.94
60	139	1185	19:03	3	1.017	A BB	15555.	80.000 UG	0.94
61	168	1198	19:16	3	1.028	A BB	201760.	80.000 UG	0.94
62	165	1197	19:15	3	1.027	A BB	43377.	80.000 UG	0.94
63	250	1191	19:09	3	1.022	A BB	72937.	80.000 UG	0.94
64	143	1211	19:28	3	1.039	A BV	121243.	80.000 UG	0.94
65	232	1218	19:35	3	1.045	A BB	32313.	80.000 UG	0.94
66	143	1224	19:41	3	1.051	A VB	106702.	80.000 UG	0.94
67	149	1238	19:54	3	1.063	A BB	160835.	80.000 UG	0.94
68	204	1255	20:11	3	1.077	A BB	73352.	80.000 UG	0.94
69	166	1254	20:10	3	1.076	A BB	150417.	80.000 UG	0.94
70	138	1257	20:12	3	1.079	A BB	27254.	80.000 UG	0.94
71	198	1262	20:17	4	0.897	A BB	16777.	80.000 UG	0.94
72	169	1275	20:30	4	0.906	A BB	214418.	80.000 UG	0.94
73	77	1281	20:36	4	0.910	A VB	211611.	80.000 UG	0.94
74	248	1334	21:27	4	0.948	A BB	45184.	80.000 UG	0.94
75	108	1325	21:18	4	0.942	A BB	52206.	80.000 UG	0.94
76	284	1343	21:35	4	0.955	A BB	54234.	80.000 UG	0.94
77	169	1377	22:08	4	0.979	A BB	116779.	80.000 UG	0.94
78	266	1375	22:06	4	0.977	A BB	21537.	80.000 UG	0.94
79	173	1387	22:18	4	0.986	A BB	56525.	80.000 UG	0.94
80	295	1378	22:09	4	0.979	A BB	7323.	80.000 UG	0.94
81	178	1411	22:41	4	1.003	A BV	182584.	80.000 UG	0.94
82	178	1419	22:49	4	1.009	A VB	161877.	80.000 UG	0.94
83	149	1503	24:10	4	1.068	A BV	178959.	80.000 UG	0.94
84	202	1605	25:48	4	1.141	A BB	120011.	80.000 UG	0.94
85	202	1642	26:24	5	0.893	A BB	116080.	80.000 UG	0.94
86	184	1626	26:08	5	0.885	A BB	31036.	80.000 UG	0.94
87	120	1690	27:10	5	0.919	A BB	18705.	80.000 UG	0.94
88	149	1747	28:05	5	0.950	A BB	31826.	80.000 UG	0.94
89	252	1832	29:27	5	0.997	A BB	21344.	80.000 UG	0.94
90	228	1836	29:31	5	0.999	A BV	63038.	80.000 UG	0.94
91	228	1842	29:37	5	1.002	A VB	61681.	80.000 UG	0.94
92	149	1840	29:35	5	1.001	A BB	47427.	80.000 UG	0.94
93	149	1955	31:26	6	0.915	A BB	53150.	80.000 UG	0.94
94	256	2039	32:47	6	0.955	A BB	22833.	80.000 UG	0.94
95	252	2041	32:49	6	0.956	A BV	52290.	80.000 UG	0.94
96	252	2047	32:55	6	0.958	A VB	49845.	80.000 UG	0.94
97	252	2121	34:06	6	0.993	A BB	42848.	80.000 UG	0.94
98	268	2219	35:40	6	1.039	A BB	23507.	80.000 UG	0.94
99	276	2498	40:10	6	1.169	A VB	7658.	80.000 UG	0.94
100	278	2497	40:09	6	1.169	A BB	44375.	80.000 UG	0.94

No	Ret(L)	Ratio	RRT(L)	Ratio	Amnt	Amnt(L)	R.Fac	R.Fac(L)	Ratio
51	17:18	1.00	0.924	1.00	80.00	80.00	1.354	1.354	1.00
52	17:18	1.00	0.924	1.00	80.00	80.00	1.499	1.499	1.00
53	17:34	1.00	0.938	1.00	80.00	80.00	0.592	0.592	1.00
54	18:04	1.00	0.965	1.00	80.00	80.00	1.621	1.621	1.00
55	18:13	1.00	0.973	1.00	80.00	80.00	0.307	0.307	1.00
56	18:22	1.00	0.980	1.00	80.00	80.00	1.870	1.870	1.00
57	18:39	1.00	0.996	1.00	80.00	80.00	0.292	0.292	1.00
58	18:50	1.00	1.005	1.00	80.00	80.00	1.170	1.170	1.00
59	18:55	1.00	1.010	1.00	80.00	80.00	0.085	0.085	1.00
60	19:05	1.00	1.019	1.00	80.00	80.00	0.140	0.140	1.00

00912

62	19:17	1.00	1.029	1.00	80.00	80.00	0.389	0.389	1.00
63	19:10	1.00	1.023	1.00	80.00	80.00	0.655	0.655	1.00
64	19:29	1.00	1.040	1.00	80.00	80.00	1.088	1.088	1.00
65	19:36	1.00	1.046	1.00	80.00	80.00	0.290	0.290	1.00
66	19:42	1.00	1.052	1.00	80.00	80.00	0.958	0.958	1.00
67	19:55	1.00	1.064	1.00	80.00	80.00	1.443	1.443	1.00
68	20:12	1.00	1.078	1.00	80.00	80.00	0.658	0.658	1.00
69	20:11	1.00	1.077	1.00	80.00	80.00	1.350	1.350	1.00
70	20:14	1.00	1.081	1.00	80.00	80.00	0.245	0.245	1.00
71	20:19	1.00	0.898	1.00	80.00	80.00	0.108	0.108	1.00
72	20:31	1.00	0.907	1.00	80.00	80.00	1.377	1.377	1.00
73	20:37	1.00	0.911	1.00	80.00	80.00	1.359	1.359	1.00
74	21:28	1.00	0.949	1.00	80.00	80.00	0.290	0.290	1.00
75	21:20	1.00	0.943	1.00	80.00	80.00	0.335	0.335	1.00
76	21:36	1.00	0.955	1.00	80.00	80.00	0.348	0.348	1.00
77	22:09	1.00	0.979	1.00	80.00	80.00	0.750	0.750	1.00
78	22:07	1.00	0.978	1.00	80.00	80.00	0.138	0.138	1.00
79	22:19	1.00	0.986	1.00	80.00	80.00	0.363	0.363	1.00
80	22:10	1.00	0.980	1.00	80.00	80.00	0.047	0.047	1.00
81	22:42	1.00	1.004	1.00	80.00	80.00	1.173	1.173	1.00
82	22:50	1.00	1.009	1.00	80.00	80.00	1.040	1.040	1.00
83	24:11	1.00	1.069	1.00	80.00	80.00	1.149	1.149	1.00
84	25:48	1.00	1.141	1.00	80.00	80.00	0.771	0.771	1.00
85	26:24	1.00	0.893	1.00	80.00	80.00	2.030	2.030	1.00
86	26:09	1.00	0.885	1.00	80.00	80.00	0.543	0.543	1.00
87	27:11	1.00	0.920	1.00	80.00	80.00	0.327	0.327	1.00
88	28:06	1.00	0.951	1.00	80.00	80.00	0.557	0.557	1.00
89	29:28	1.00	0.997	1.00	80.00	80.00	0.373	0.373	1.00
90	29:32	1.00	0.999	1.00	80.00	80.00	1.102	1.102	1.00
91	29:38	1.00	1.002	1.00	80.00	80.00	1.079	1.079	1.00
92	29:35	1.00	1.001	1.00	80.00	80.00	0.829	0.829	1.00
93	31:26	1.00	0.915	1.00	80.00	80.00	1.321	1.321	1.00
94	32:49	1.00	0.956	1.00	80.00	80.00	0.567	0.567	1.00
95	32:50	1.00	0.956	1.00	80.00	80.00	1.299	1.299	1.00
96	32:56	1.00	0.959	1.00	80.00	80.00	1.239	1.239	1.00
97	34:07	1.00	0.993	1.00	80.00	80.00	1.065	1.065	1.00
98	35:42	1.00	1.040	1.00	80.00	80.00	0.584	0.584	1.00
99	40:11	1.00	1.170	1.00	80.00	80.00	0.190	0.190	1.00
100	40:11	1.00	1.170	1.00	80.00	80.00	1.103	1.103	1.00

Quantitation Report File: AD1380STD

Data: AD1380STD.TI
06/14/91 16:48:00
Sample: SSTD080
Conds.: MS-B CASE: EOH0022
Submitted by: Analyst: JOHNSON

AMOUNT=AREA * REF AMNT/(REF AREA * RESP FACT)
Resp. fac. from Library Entry

No	Name
101	BENZO (G,H,I)PERYLENE
102	DIBENZ(A,J)ACRIDINE

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount	%Tot
101	276	2596	41:44	6	1.215	A BB	38762.	80.000 UG	0.94
102	279	2419	38:53	6	1.132	A BB	32415.	80.000 UG	0.94

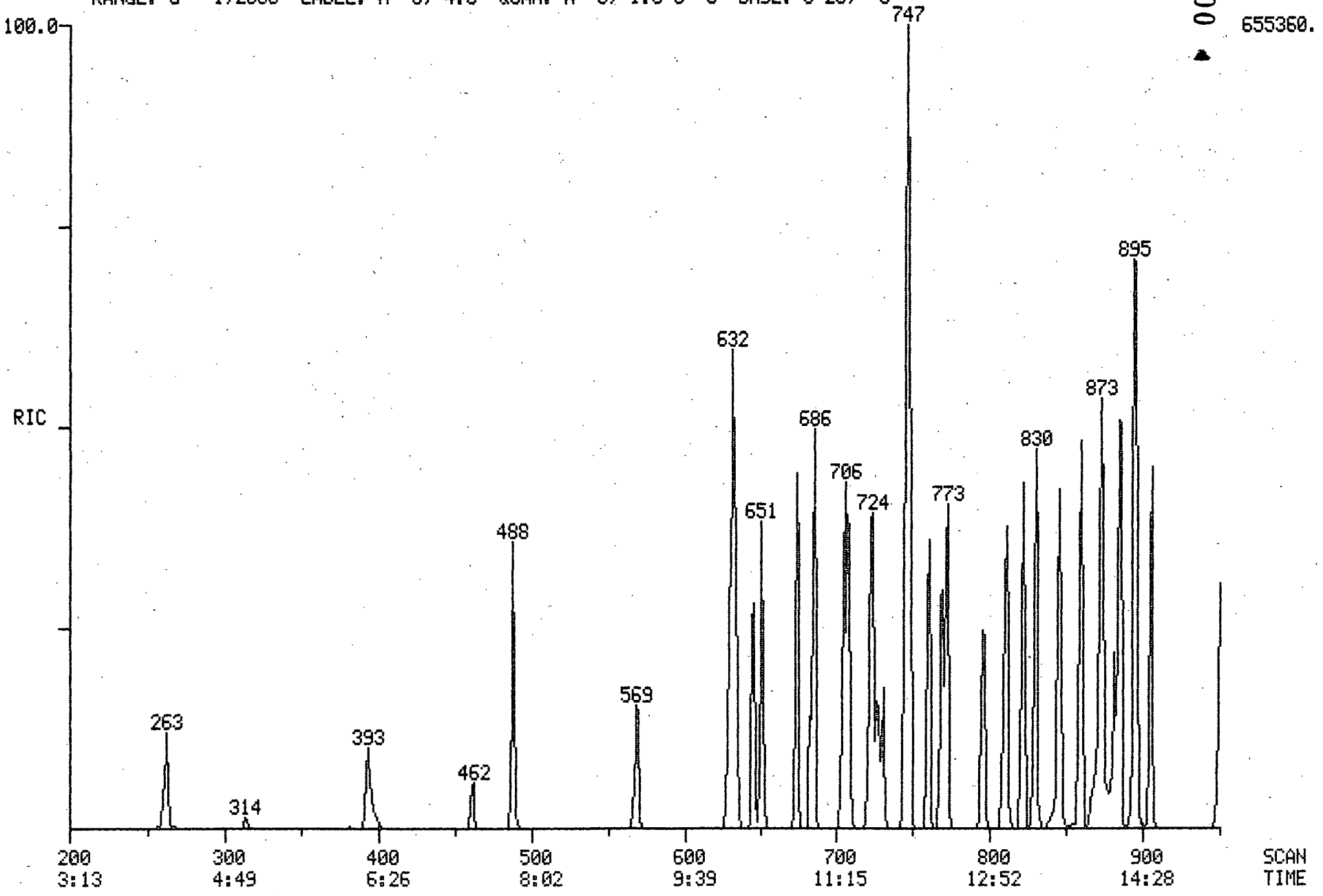
No	Ret(L)	Ratio	RRT(L)	Ratio	Amnt	Amnt(L)	R.Fac	R.Fac(L)	Ratio
101	41:46	1.00	1.216	1.00	80.00	80.00	0.963	0.963	1.00
102	38:55	1.00	1.133	1.00	80.00	80.00	0.806	0.806	1.00

MIDRIC
06/14/91 17:43:00
SAMPLE: SSTD120
CONDS.: MS-B CASE: EOH0022
RANGE: G 1,2800 LABEL: N 0, 4.0 QUAN: A 0, 1.0 J 0 BASE: U 20, 3

DATA: AD14120STD #1 SCANS 200 TO 950
CALI: AD14120STD #2

T.J. Masoian
6.18.91

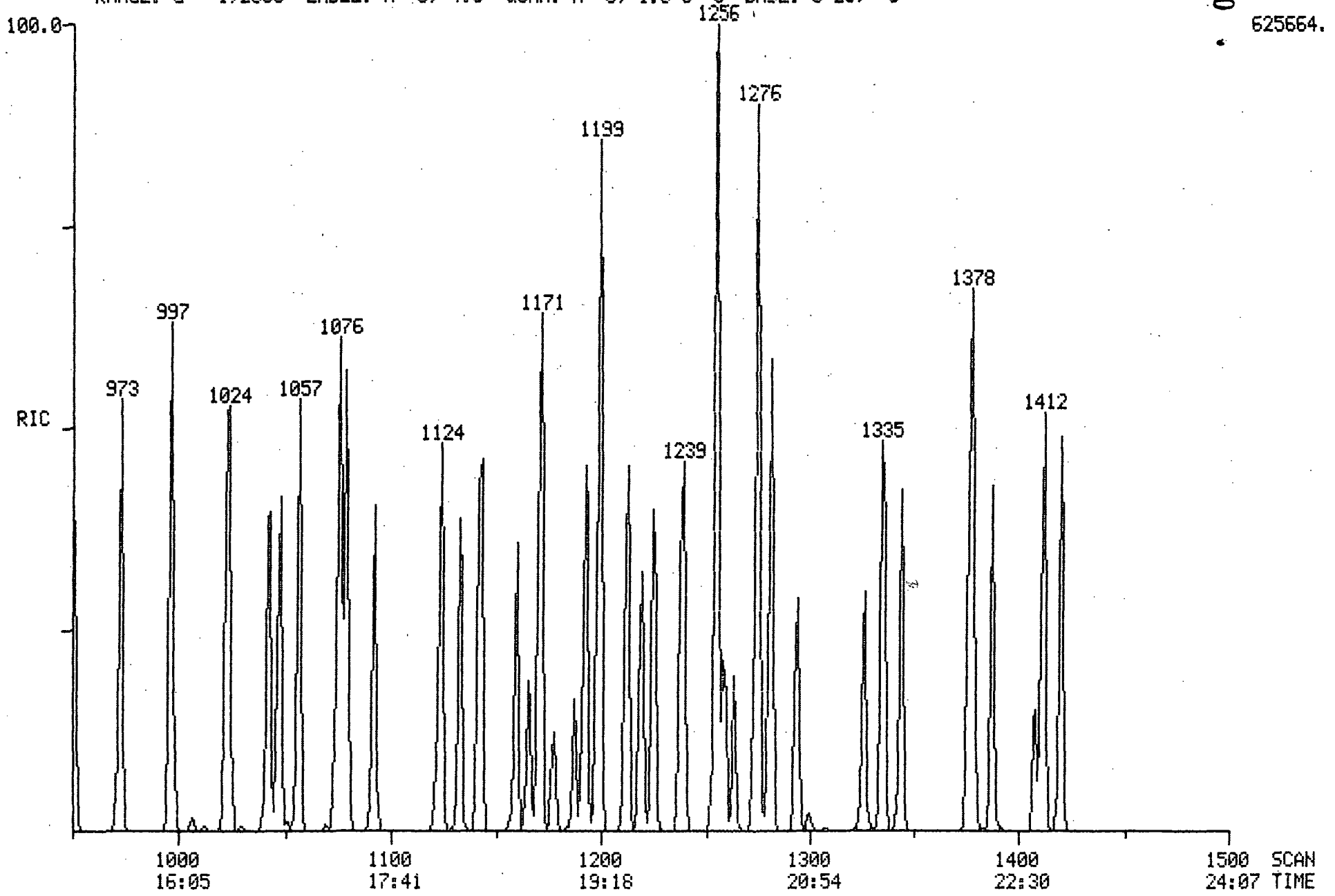
00915



MIDRIC
06/14/91 17:43:00
SAMPLE: SSTD120
CONDS.: MS-B CASE: EOH0022
RANGE: G 1.2800 LABEL: N 0, 4.0 QUAN: A 0, 1.0 J 0 BASE: U 20, 3

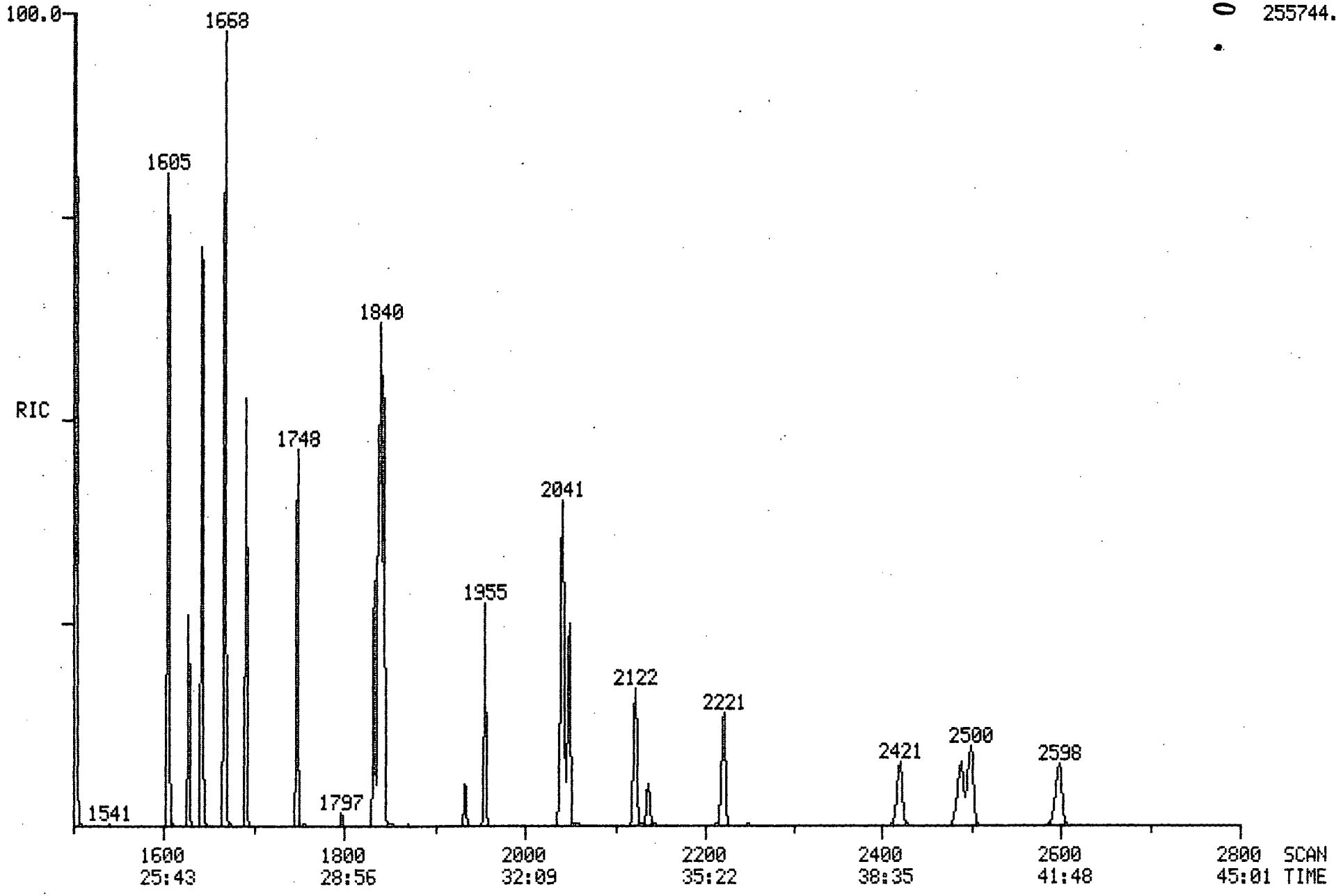
DATA: AD14120STD #1 SCANS 950 TO 1500
CALI: AD14120STD #2

00916



MIDRIC
06/14/91 17:43:00
SAMPLE: SSTD120
CONDS.: MS-B CASE: EOH0022
RANGE: G 1,2800 LABEL: N 0, 4.0 QUAN: A 0, 1.0 J 0 BASE: U 20, 3

DATA: AD14120STD #1 SCANS 1500 TO 2800
CALI: AD14120STD #2

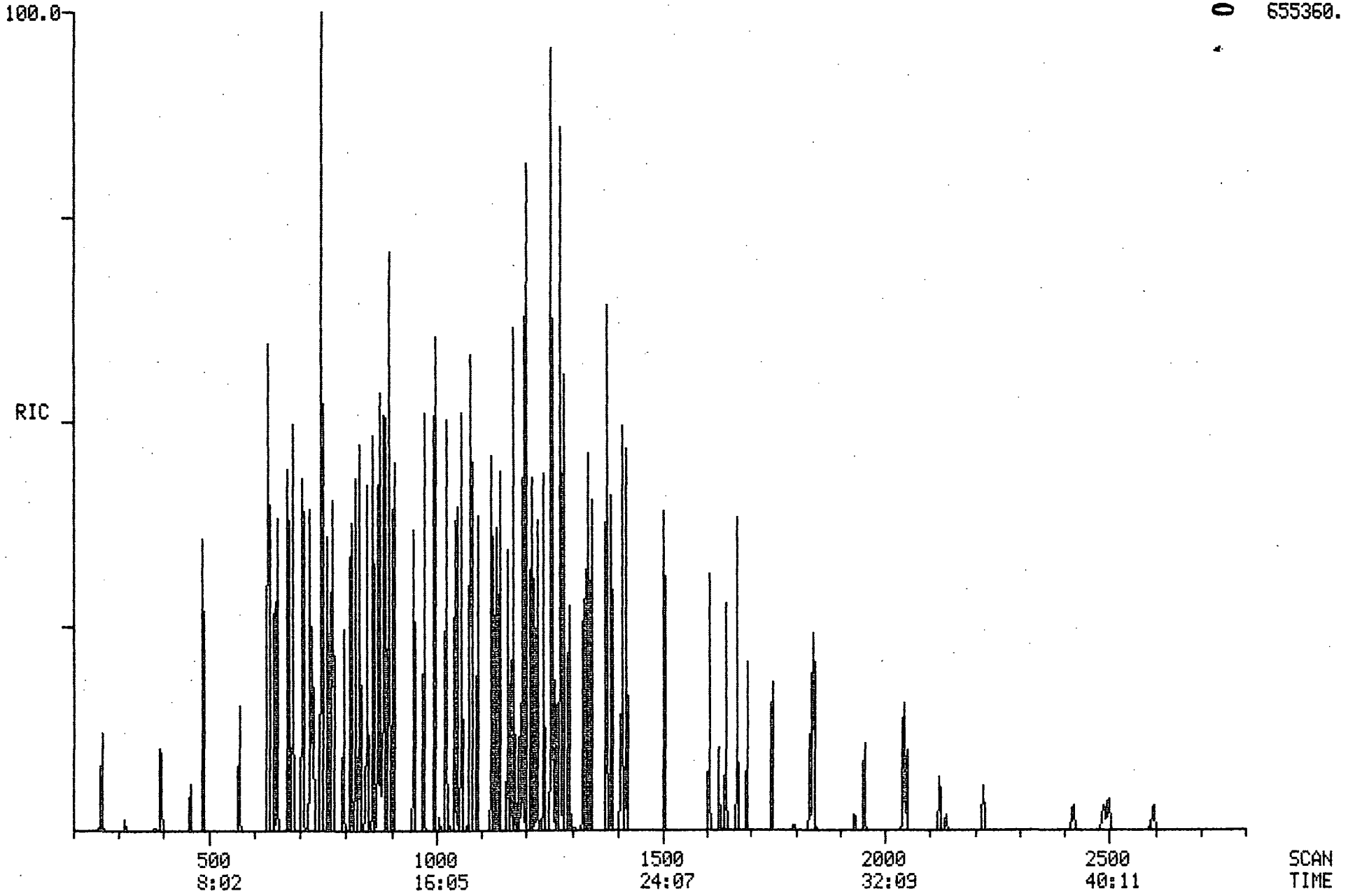


21600 .

MIDRIC
06/14/91 17:43:00
SAMPLE: SSTD120
CONDS.: MS-B CASE: EOH0022
RANGE: G 1,2800 LABEL: N 0, 4.0 QUAN: A 0, 1.0 J 0 BASE: U 20, 3

DATA: AD14120STD #1 SCANS 200 TO 2800
CALI: AD14120STD #2

00918



PROCEDURE: TCA DIAGNOSTIC REPORT 6/15/91 18:30:13
DATA FILE: AD14120STD
REFERENCE: 82711
NAME LIST: 8270 INITIALIZATION OPTION: 4 PROCESSING OPTION: 3
REPORT: DSISTD

< ---- STANDARDS ----- ><				--- PLUS UNKNOWNS --- ><				- LIST NAMES - >
PROC	USED	POSS	RMS	PROC	USED	POSS	RMS	STANDARD/UNKNOWN
6	4	1	59	12	12	1	61	DSISTD/DSSURR
6	6	1	43	21	20	32	80	DSISTD/82701
6	6	1	43	21	21	1	85	DSISTD/82702
6	6	1	43	21	19	32	298	DSISTD/82703
6	6	1	43	21	20	4	298	DSISTD/82704
6	6	1	43	21	20	8	285	DSISTD/82705
6	6	1	43	21	21	32	597	DSISTD/82706

102 COMPOUNDS PROCESSED, 95 FOUND

< COMPOUND ><			---------- SEARCH ---------- >< SAT ><							------ CHRO ------- >			
NO	LIB	ENTRY	REF	PRED	SEL	DELTA	PEAKS	FIT	PEAKS	M/Z	TOP	DELTA	PEAKS
1	DS	1	-706	683	683	.	1	975	.	152	683	.	1
2	DS	2	-905	882	882	.	1	915	.	136	882	.	1
3	DS	3	-1189	1166	1165	-1	1	951	.	164	1165	.	1
4	DS	4	-1431	1408	1408	.	1	989	.	188	1407	-1	1
5	DS	5	-1864	1840	.	.	.	.	.	240	1839	.	1
6	DS	6	-2170	2146	.	.	.	.	.	264	.	.	.
7	DS	7	-510	488	488	.	1	980	.	112	488	.	1
8	DS	8	-651	629	630	1	1	933	.	99	630	.	1
9	DS	9	-791	769	769	.	1	974	.	82	769	.	1
10	DS	10	-1080	1057	1057	.	1	990	-1	172	1057	.	1
11	DS	11	-1317	1294	1294	.	1	971	.	330	1294	.	1
12	DS	12	-1692	1668	1668	.	1	988	.	244	1668	.	1
13	DS	13	-285	263	263	.	1	972	.	42	263	.	1
14	DS	14	-416	394	393	-1	1	995	.	93	393	.	1
15	DS	15	-484	462	462	.	1	998	.	80	462	.	1
16	DS	16	-590	568	569	1	1	992	.	79	569	.	1
17	DS	17	-653	631	632	1	1	973	.	94	632	.	1
18	DS	18	-656	634	.	.	.	.	.	93	634	.	1
19	DS	19	-667	645	646	1	1	974	.	93	646	.	1
20	DS	20	-673	651	651	.	1	932	.	128	651	.	1
21	DS	21	-697	675	674	-1	2	961	.	146	674	.	1
22	DS	22	-731	709	708	-1	2	969	.	146	708	.	1
23	DS	23	-727	705	706	1	2	994	.	108	706	.	1
24	DS	24	-731	709	708	-1	2	967	.	146	708	.	1
25	DS	25	-745	723	723	.	1	994	.	108	723	.	1
26	DS	26	-750	728	727	-1	2	956	.	45	727	.	1
27	DS	27	-745	723	723	.	1	966	.	108	723	.	1
28	DS	28	-769	747	749	2	1	960	.	70	749	.	1
29	DS	29	-784	762	761	-1	1	960	.	117	761	.	1
30	DS	30	-768	746	747	1	1	972	1	105	747	.	1
31	DS	31	-794	772	773	1	1	946	.	77	773	.	1
32	DS	32	-818	796	796	.	1	997	.	42	797	1	1
33	DS	33	-832	810	811	1	1	969	-1	82	811	.	1
34	DS	34	-844	822	822	.	1	964	.	139	822	.	1
35	DS	35	-852	830	830	.	1	977	.	122	830	.	1
36	DS	36	-868	846	846	.	1	979	.	93	846	.	1
37	DS	39	-882	860	860	.	1	996	.	162	860	.	1
38	DS	40	-896	874	873	-1	1	977	.	180	873	.	1
39	DS	41	-908	886	885	-1	1	969	-1	128	885	.	1
40	DS	42	-917	895	895	.	1	900	.	127	895	.	1

000919

[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	.	1	[illegible]	.	[illegible]	[illegible]	.	1
42	DS	44	-929	907	906	-1	1	972	.	225	906	.	1
43	DS	45	-973	953	951	-2	1	992	.	84	951	.	1
44	DS	46	-995	975	.	.	.	.	.	107	973	.	1
45	DS	47	-1020	999	997	-2	2	966	-1	142	997	.	1
46	DS	48	-1047	1026	1024	-2	1	992	.	216	1024	.	1
47	DS	49	-1045	1024	.	.	.	.	.	237	1022	.	1
48	DS	50	-1065	1044	1042	-2	2	963	.	196	1042	.	1
49	DS	51	-1070	1049	1048	-1	2	964	.	196	1048	.	1
50	DS	52	-1098	1077	1076	-1	2	985	.	162	1076	.	1
51	DS	53	-1093	1072	1076	4	2	991	.	162	1076	.	1
52	DS	54	-1110	1089	1093	4	1	959	.	65	1093	.	1
53	DS	55	-1141	1120	1124	4	1	969	-1	163	1124	.	1
54	DS	56	-1150	1129	1133	4	1	975	.	165	1133	.	1
55	DS	57	-1160	1139	1143	4	1	961	-1	152	1142	-1	1
56	DS	58	-1177	1156	1160	4	1	989	.	138	1160	.	1
57	DS	59	-1189	1168	1171	3	1	975	.	154	1171	.	1
58	DS	60	-1194	1175	1177	2	1	986	.	184	1177	.	1
59	DS	61	-1203	1184	1187	3	1	977	.	139	1187	.	1
60	DS	62	-1217	1198	.	.	.	.	.	168	1199	.	1
61	DS	63	-1216	1197	1199	2	1	930	.	165	1199	.	1
62	DS	64	-1210	1191	1192	1	1	980	.	250	1192	.	1
63	DS	65	-1230	1211	1212	1	2	989	.	143	1212	.	1
64	DS	66	-1236	1217	1219	2	1	990	.	232	1219	.	1
65	DS	67	-1243	1224	1225	1	2	994	.	143	1225	.	1
66	DS	68	-1256	1237	1239	2	1	987	.	149	1239	.	1
67	DS	69	-1273	1254	1256	2	1	950	.	204	1256	.	1
68	DS	70	-1273	1254	1255	1	1	941	.	166	1255	.	1
69	DS	71	-1276	1257	1259	2	1	976	.	138	1259	.	1
70	DS	72	-1281	1262	1264	2	1	965	.	198	1264	.	1
71	DS	73	-1293	1274	1276	2	1	989	-1	169	1276	.	1
72	DS	74	-1299	1280	1282	2	1	976	-1	77	1282	.	1
73	DS	75	-1353	1333	1335	2	1	974	.	248	1335	.	1
74	DS	76	-1343	1323	1327	4	1	991	.	108	1327	.	1
75	DS	78	-1362	1342	1344	2	1	989	.	284	1344	.	1
76	DS	79	-1395	1375	1378	3	1	941	.	169	1378	.	1
77	DS	81	-1394	1374	.	.	.	.	.	266	1376	.	1
78	DS	83	-1405	1385	1388	3	1	981	.	173	1388	.	1
79	DS	84	-1396	1376	1379	3	1	934	.	295	1379	.	1
80	DS	85	-1430	1410	1412	2	2	989	-1	178	1412	.	1
81	DS	86	-1438	1418	1420	2	2	918	-1	178	1420	.	1
82	DS	89	-1522	1503	1504	1	1	985	-1	149	1504	.	1
83	DS	92	-1624	1605	1605	.	1	995	.	202	1605	.	1
84	DS	93	-1661	1642	1642	.	2	994	.	202	1642	.	1
85	DS	96	-1645	1626	1627	1	1	983	.	184	1627	.	1
86	DS	98	-1709	1690	1691	1	1	981	.	120	1691	.	1
87	DS	103	-1766	1747	1748	1	1	936	.	149	1748	.	1
88	DS	108	-1851	1825	1833	8	1	985	.	252	1833	.	1
89	DS	109	-1862	1836	1837	1	2	989	.	228	1837	.	1
90	DS	110	-1862	1836	1837	1	2	982	.	228	1837	.	1
91	DS	111	-1858	1832	1840	8	1	942	.	149	1840	.	1
92	DS	112	-1976	1949	1955	6	1	962	.	149	1955	.	1
93	DS	113	-2064	2037	2041	4	1	951	.	256	2041	.	1
94	DS	114	-2066	2039	2042	3	2	960	.	252	2042	.	1
95	DS	115	-2072	2045	2042	-3	2	967	.	252	2042	.	1
96	DS	116	-2148	2121	2122	1	1	952	.	252	2122	.	1
97	DS	117	-2249	2222	2221	-1	1	976	.	268	2221	.	1
98	DS	118	-2525	2497	2499	2	2	942	.	276	2499	.	1
99	DS	119	-2536	2508	2500	-8	1	903	.	278	2500	.	1
100	DS	120	-2637	2609	2598	-11	1	974	.	276	2598	.	1
101	DS	128	-2455	2427	2421	-6	1	972	.	279	2421	.	1
102	DS	37	-886	862	847	-15	1	951	.	122	847	.	1

Quantitation Report File: AD14120STD

Data: AD14120STD.TI
06/14/91 17:43:00
Sample: SSTD120
Conds.: MS-B CASE: EOH0022
Submitted by: Analyst: JOHNSON

AMOUNT=AREA * REF AMNT/(REF AREA * RESP FACT)
Resp. fac. from Library Entry

No	Name
1	ISTD D4-1,4-DICHLOROBENZENE
2	ISTD D-8-NAPHTHALENE
3	ISTD ACENAPHTHENE-D10
4	INTERNAL STANDARD D-10-PHENANTHRENE
5	INTERNAL STANDARD D-12-CHRYSENE
6	ISTD D-12 PERYLENE
7	SURROGATE 2-FLUOROPHENOL
8	SURROGATE D-6-PHENOL
9	SURROGATE D5-NITROBENZENE
10	SURROGATE 2-FLUOROBIPHENYL
11	SURROGATE STANDARD 2,4,6-TRIBROMOPHENOL
12	SURROGATE STANDARD P-TERPHENYL D-14
13	N-NITROSODIMETHYLAMINE
14	2-PICOLINE
15	METHYL METHANESULFONATE
16	ETHYL METHANESULFONATE
17	C315 PHENOL
18	ANILINE
19	BIS(2-CHLOROETHYL)ETHER
20	2-CHLOROPHENOL
21	1,3-DICHLOROBENZENE
22	1,4-DICHLOROBENZENE
23	BENZYL ALCOHOL
24	1,2-DICHLOROBENZENE
25	2-METHYLPHENOL
26	BIS(2-CHLOROISOPROPYL)ETHER
27	4-METHYLPHENOL
28	N-NITROSO-DI-N-PROPYLAMINE
29	HEXACHLOROETHANE
30	ACETOPHENONE
31	NITROBENZENE
32	N-NITROSOPIPERIDINE
33	ISOPHORONE
34	2-NITROPHENOL
35	2,4-DIMETHYLPHENOL
36	BIS(2-CHLOROETHOXY)METHANE
37	BENZOIC ACID
38	2,4-DICHLOROPHENOL
39	1,2,4-TRICHLOROBENZENE
40	NAPHTHALENE
41	4-CHLOROANILINE
42	2,6-DICHLOROPHENOL
43	HEXACHLOROBUTADIENE
44	N-NITROSO-DI-N-BUTYLAMINE
45	4-CHLORO-3-METHYLPHENOL
46	2-METHYL NAPHTHALENE
47	1,2,4,5-TETRACHLOROBENZENE
48	HEXACHLOROCYCLOPENTADIENE
49	2,4,6-TRICHLOROPHENOL

50 2,4,5-TRICHLOROPHENOL

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount	%Tot
1	152	683	10:59	1	1.000	A BB	25446.	40.000 UG	0.34
2	136	882	14:11	2	1.000	A BB	106468.	40.000 UG	0.34
3	164	1165	18:44	3	1.000	A BB	63390.	40.000 UG	0.34
4	188	1407	22:37	4	1.000	A BB	94789.	40.000 UG	0.34
5	240	1839	29:34	5	1.000	A BB	36913.	40.000 UG	0.34
6	264	2136	34:20	6	1.000	A BB	26936.	40.000 UG	0.34
7	112	488	7:51	1	0.714	A BB	109699.	120.000 UG	1.01
8	99	630	10:08	1	0.922	A BB	146914.	120.000 UG	1.01
9	82	769	12:22	2	0.872	A BB	172224.	120.000 UG	1.01
10	172	1057	17:00	3	0.907	A BB	234616.	120.000 UG	1.01
11	330	1294	20:48	3	1.111	A BB	39910.	120.000 UG	1.01
12	244	1668	26:49	5	0.907	A BB	197900.	120.000 UG	1.01
13	42	263	4:14	1	0.385	A BB	99287.	120.000 UG	1.01
14	93	393	6:19	1	0.575	A BB	70358.	120.000 UG	1.01
15	80	462	7:26	1	0.676	A BB	39240.	120.000 UG	1.01
16	79	569	9:09	1	0.833	A BB	124915.	120.000 UG	1.01
17	94	632	10:10	1	0.925	A BB	169210.	120.000 UG	1.01
18	93	634	10:12	1	0.928	A BB	192252.	120.000 UG	1.01
19	93	646	10:23	1	0.946	A BV	129633.	120.000 UG	1.01
20	128	651	10:28	1	0.953	A BB	115980.	120.000 UG	1.01
21	146	674	10:50	1	0.987	A BB	123795.	120.000 UG	1.01
22	146	686	11:02	1	1.004	M XX	120851.	120.000 UG	1.01
23	108	706	11:21	1	1.034	A BB	77122.	120.000 UG	1.01
24	146	708	11:23	1	1.037	M XX	118759.	120.000 UG	1.01
25	108	723	11:37	1	1.059	M XX	117688.	120.000 UG	1.01
26	45	727	11:41	1	1.064	A BB	171507.	120.000 UG	1.01
27	108	723	11:37	1	1.059	A BB	117688.	120.000 UG	1.01
28	70	749	12:02	1	1.097	A BB	136695.	120.000 UG	1.01
29	117	761	12:14	1	1.114	A BB	66626.	120.000 UG	1.01
30	105	747	12:01	2	0.847	A BB	199124.	120.000 UG	1.01
31	77	773	12:26	2	0.876	A BB	191638.	120.000 UG	1.01
32	42	797	12:49	2	0.904	A BB	138550.	120.000 UG	1.01
33	82	811	13:02	2	0.920	A BB	311222.	120.000 UG	1.01
34	139	822	13:13	2	0.932	A BB	70840.	120.000 UG	1.01
35	122	830	13:21	2	0.941	A BB	104374.	120.000 UG	1.01
36	93	846	13:36	2	0.959	A BB	185030.	120.000 UG	1.01
37	122	847	13:37	2	0.960	A BV	24553.	120.000 UG	1.01
38	162	860	13:50	2	0.975	A BB	108354.	120.000 UG	1.01
39	180	873	14:02	2	0.990	A BB	117682.	120.000 UG	1.01
40	128	885	14:14	2	1.003	A BB	306475.	120.000 UG	1.01
41	127	895	14:23	2	1.015	A BB	160120.	120.000 UG	1.01
42	162	896	14:24	2	1.016	A BB	101095.	120.000 UG	1.01
43	225	906	14:34	2	1.027	A BB	74108.	120.000 UG	1.01
44	84	951	15:17	2	1.078	A BB	125519.	120.000 UG	1.01
45	107	973	15:39	2	1.103	A BB	122467.	120.000 UG	1.01
46	142	997	16:02	2	1.130	A BB	227610.	120.000 UG	1.01
47	216	1024	16:28	3	0.879	A BB	121493.	120.000 UG	1.01
48	237	1022	16:26	3	0.877	A BB	46897.	120.000 UG	1.01
49	196	1042	16:45	3	0.894	A BV	76371.	120.000 UG	1.01
50	196	1048	16:51	3	0.900	A VB	76228.	120.000 UG	1.01

No	Ret(L)	Ratio	RRT(L)	Ratio	Amnt	Amnt(L)	R.Fac	R.Fac(L)	Ratio
1	10:59	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
2	14:11	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
3	18:44	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
4	22:37	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
5	29:34	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
6	34:20	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
7	7:51	1.00	0.714	1.00	120.00	120.00	1.437	1.437	1.00
8	10:08	1.00	0.922	1.00	120.00	120.00	1.925	1.925	1.00
9	12:22	1.00	0.872	1.00	120.00	120.00	0.539	0.539	1.00
10	17:00	1.00	0.907	1.00	120.00	120.00	1.234	1.234	1.00

00922

12	26:49	1.00	0.907	1.00	120.00	120.00	1.787	1.787	1.00
13	4:14	1.00	0.385	1.00	120.00	120.00	1.301	1.301	1.00
14	6:19	1.00	0.575	1.00	120.00	120.00	0.922	0.922	1.00
15	7:26	1.00	0.676	1.00	120.00	120.00	0.514	0.514	1.00
16	9:09	1.00	0.833	1.00	120.00	120.00	1.636	1.636	1.00
17	10:10	1.00	0.925	1.00	120.00	120.00	2.217	2.217	1.00
18	10:12	1.00	0.928	1.00	120.00	120.00	2.518	2.518	1.00
19	10:23	1.00	0.946	1.00	120.00	120.00	1.698	1.698	1.00
20	10:28	1.00	0.953	1.00	120.00	120.00	1.519	1.519	1.00
21	10:50	1.00	0.987	1.00	120.00	120.00	1.622	1.622	1.00
22	11:02	1.00	1.004	1.00	120.00	120.00	1.583	1.583	1.00
23	11:21	1.00	1.034	1.00	120.00	120.00	1.010	1.010	1.00
24	11:23	1.00	1.037	1.00	120.00	120.00	1.556	1.556	1.00
25	11:37	1.00	1.059	1.00	120.00	120.00	1.542	1.542	1.00
26	11:41	1.00	1.064	1.00	120.00	120.00	2.247	2.247	1.00
27	11:37	1.00	1.059	1.00	120.00	120.00	1.542	1.542	1.00
28	12:02	1.00	1.097	1.00	120.00	120.00	1.791	1.791	1.00
29	12:14	1.00	1.114	1.00	120.00	120.00	0.873	0.873	1.00
30	12:01	1.00	0.847	1.00	120.00	120.00	0.623	0.623	1.00
31	12:26	1.00	0.876	1.00	120.00	120.00	0.600	0.600	1.00
32	12:49	1.00	0.904	1.00	120.00	120.00	0.434	0.434	1.00
33	13:02	1.00	0.920	1.00	120.00	120.00	0.974	0.974	1.00
34	13:13	1.00	0.932	1.00	120.00	120.00	0.222	0.222	1.00
35	13:21	1.00	0.941	1.00	120.00	120.00	0.327	0.327	1.00
36	13:36	1.00	0.959	1.00	120.00	120.00	0.579	0.579	1.00
37	13:37	1.00	0.960	1.00	120.00	120.00	0.077	0.077	1.00
38	13:50	1.00	0.975	1.00	120.00	120.00	0.339	0.339	1.00
39	14:02	1.00	0.990	1.00	120.00	120.00	0.368	0.368	1.00
40	14:14	1.00	1.003	1.00	120.00	120.00	0.960	0.960	1.00
41	14:23	1.00	1.015	1.00	120.00	120.00	0.501	0.501	1.00
42	14:24	1.00	1.016	1.00	120.00	120.00	0.317	0.317	1.00
43	14:34	1.00	1.027	1.00	120.00	120.00	0.232	0.232	1.00
44	15:17	1.00	1.078	1.00	120.00	120.00	0.393	0.393	1.00
45	15:39	1.00	1.103	1.00	120.00	120.00	0.383	0.383	1.00
46	16:02	1.00	1.130	1.00	120.00	120.00	0.713	0.713	1.00
47	16:28	1.00	0.879	1.00	120.00	120.00	0.639	0.639	1.00
48	16:26	1.00	0.877	1.00	120.00	120.00	0.247	0.247	1.00
49	16:45	1.00	0.894	1.00	120.00	120.00	0.402	0.402	1.00
50	16:51	1.00	0.900	1.00	120.00	120.00	0.401	0.401	1.00

Quantitation Report File: AD14120STD

Data: AD14120STD.TI
06/14/91 17:43:00
Sample: SSTD120
Conds.: MS-B CASE: EOH0022
Submitted by: Analyst: JOHNSON

AMOUNT=AREA * REF AMNT/(REF AREA * RESP FACT)
Resp. fac. from Library Entry

No	Name
51	2-CHLORONAPHTHALENE
52	1-CHLORONAPHTHALENE
53	2-NITROANILINE
54	DIMETHYL PHTHALATE
55	2,6-DINITROTOLUENE
56	ACENAPHTHYLENE
57	3-NITROANILINE
58	ACENAPHTHENE
59	2,4-DINITROPHENOL
60	4-NITROPHENOL
61	DIBENZOFURAN
62	2,4-DINITROTOLUENE
63	PENTACHLOROBENZENE
64	1-NAPHTHYLAMINE
65	2,3,4,6-TETRACHLOROPHENOL
66	2-NAPHTHYLAMINE
67	DIETHYL PHTHALATE
68	4-CHLOROPHENYL PHENYL ETHER
69	FLUORENE
70	4-NITROANILINE
71	4,6-DINITRO-2-METHYLPHENOL
72	N-NITROSODIPHENYLAMINE
73	1,2-DIPHENYLHYDRAZINE
74	4-BROMOPHENYL PHENYL ETHER
75	PHENACETIN
76	HEXACHLOROBENZENE
77	4-AMINOBIPHENYL
78	PENTACHLOROPHENOL
79	PRONAMIDE (PROPYZAMIDE)
80	PENTACHLORONITROBENZENE
81	PHENANTHRENE
82	ANTHRACENE
83	DI-N-BUTYL PHTHALATE
84	FLUORANTHENE
85	PYRENE
86	BENZIDINE
87	P-DIMETHYLAMINOAZOBENZENE
88	BUTYL BENZYL PHTHALATE
89	3,3'-DICHLOROBENZIDINE
90	BENZO(A)ANTHRACENE
91	CHRYSENE
92	BIS(2-ETHYLHEXYL)PHTHALATE
93	DI-N-OCTYL PHTHALATE
94	7,12-DIMETHYLBENZ(A)ANTHRACENE
95	BENZO(B)FLUORANTHENE
96	BENZO(K)FLUORANTHENE
97	BENZO(A)PYRENE
98	3-METHYLCHOLANTHRENE
99	INDENO(1,2,3-CD)PYRENE

100 DIBENZ(A,H)ANTHRACENE

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount	%Tot
51	162	1079	17:21	3	0.926	M XX	242336.	120.000 UG	1.01
52	162	1076	17:18	3	0.924	M XX	270739.	120.000 UG	1.01
53	65	1093	17:34	3	0.938	A BB	114056.	120.000 UG	1.01
54	163	1124	18:04	3	0.965	A BB	286684.	120.000 UG	1.01
55	165	1133	18:13	3	0.973	A BB	54246.	120.000 UG	1.01
56	152	1142	18:22	3	0.980	A BB	287541.	120.000 UG	1.01
57	138	1160	18:39	3	0.996	A BB	59825.	120.000 UG	1.01
58	154	1171	18:50	3	1.005	A BV	194492.	120.000 UG	1.01
59	184	1177	18:55	3	1.010	A BB	17649.	120.000 UG	1.01
60	139	1187	19:05	3	1.019	A BV	27402.	120.000 UG	1.01
61	168	1199	19:17	3	1.029	A BB	292486.	120.000 UG	1.01
62	165	1199	19:17	3	1.029	A BB	64831.	120.000 UG	1.01
63	250	1192	19:10	3	1.023	A BB	118352.	120.000 UG	1.01
64	143	1212	19:29	3	1.040	A BV	200101.	120.000 UG	1.01
65	232	1219	19:36	3	1.046	A BB	52920.	120.000 UG	1.01
66	143	1225	19:42	3	1.052	A VB	173195.	120.000 UG	1.01
67	149	1239	19:55	3	1.064	A BB	259526.	120.000 UG	1.01
68	204	1256	20:12	3	1.078	A BB	110988.	120.000 UG	1.01
69	166	1255	20:11	3	1.077	A BB	231841.	120.000 UG	1.01
70	138	1259	20:14	3	1.081	A BB	46038.	120.000 UG	1.01
71	198	1264	20:19	4	0.898	A BB	29065.	120.000 UG	1.01
72	169	1276	20:31	4	0.907	A BB	295861.	120.000 UG	1.01
73	77	1282	20:37	4	0.911	A VB	331646.	120.000 UG	1.01
74	248	1335	21:28	4	0.949	A BB	73882.	120.000 UG	1.01
75	108	1327	21:20	4	0.943	A BV	97402.	120.000 UG	1.01
76	284	1344	21:36	4	0.955	A BB	88018.	120.000 UG	1.01
77	169	1378	22:09	4	0.979	A BB	197730.	120.000 UG	1.01
78	266	1376	22:07	4	0.978	A BV	30771.	120.000 UG	1.01
79	173	1388	22:19	4	0.986	A BB	98726.	120.000 UG	1.01
80	295	1379	22:10	4	0.980	A BB	13023.	120.000 UG	1.01
81	178	1412	22:42	4	1.004	A BV	279034.	120.000 UG	1.01
82	178	1420	22:50	4	1.009	A VB	269292.	120.000 UG	1.01
83	149	1504	24:11	4	1.069	A BB	297189.	120.000 UG	1.01
84	202	1605	25:48	4	1.141	A BV	221375.	120.000 UG	1.01
85	202	1642	26:24	5	0.893	A BV	208540.	120.000 UG	1.01
86	184	1627	26:09	5	0.885	A BV	57155.	120.000 UG	1.01
87	120	1691	27:11	5	0.920	A BB	38789.	120.000 UG	1.01
88	149	1748	28:06	5	0.951	A BB	66268.	120.000 UG	1.01
89	252	1833	29:28	5	0.997	A BB	40586.	120.000 UG	1.01
90	228	1837	29:32	5	0.999	M XX	124744.	120.000 UG	1.01
91	228	1843	29:38	5	1.002	M XX	126874.	120.000 UG	1.01
92	149	1840	29:35	5	1.001	A BB	97304.	120.000 UG	1.01
93	149	1955	31:26	6	0.915	A BB	112853.	120.000 UG	1.01
94	256	2041	32:49	6	0.956	A BB	45753.	120.000 UG	1.01
95	252	2042	32:50	6	0.956	M XX	108802.	120.000 UG	1.01
96	252	2049	32:56	6	0.959	M XX	101289.	120.000 UG	1.01
97	252	2122	34:07	6	0.993	A BB	86747.	120.000 UG	1.01
98	268	2221	35:42	6	1.040	A BB	45490.	120.000 UG	1.01
99	276	2499	40:11	6	1.170	A VB	15516.	120.000 UG	1.01
100	278	2500	40:11	6	1.170	A BB	84652.	120.000 UG	1.01

No	Ret(L)	Ratio	RRT(L)	Ratio	Amnt	Amnt(L)	R.Fac	R.Fac(L)	Ratio
51	17:18	1.00	0.924	1.00	120.00	120.00	1.274	1.274	1.00
52	17:18	1.00	0.924	1.00	120.00	120.00	1.424	1.424	1.00
53	17:34	1.00	0.938	1.00	120.00	120.00	0.600	0.600	1.00
54	18:04	1.00	0.965	1.00	120.00	120.00	1.508	1.508	1.00
55	18:13	1.00	0.973	1.00	120.00	120.00	0.285	0.285	1.00
56	18:22	1.00	0.980	1.00	120.00	120.00	1.512	1.512	1.00
57	18:39	1.00	0.996	1.00	120.00	120.00	0.315	0.315	1.00
58	18:50	1.00	1.005	1.00	120.00	120.00	1.023	1.023	1.00
59	18:55	1.00	1.010	1.00	120.00	120.00	0.093	0.093	1.00
60	19:05	1.00	1.019	1.00	120.00	120.00	0.144	0.144	1.00

62	19:17	1.00	1.029	1.00	120.00	120.00	0.341	0.341	1.00
63	19:10	1.00	1.023	1.00	120.00	120.00	0.622	0.622	1.00
64	19:29	1.00	1.040	1.00	120.00	120.00	1.052	1.052	1.00
65	19:36	1.00	1.046	1.00	120.00	120.00	0.278	0.278	1.00
66	19:42	1.00	1.052	1.00	120.00	120.00	0.911	0.911	1.00
67	19:55	1.00	1.064	1.00	120.00	120.00	1.365	1.365	1.00
68	20:12	1.00	1.078	1.00	120.00	120.00	0.584	0.584	1.00
69	20:11	1.00	1.077	1.00	120.00	120.00	1.219	1.219	1.00
70	20:14	1.00	1.081	1.00	120.00	120.00	0.242	0.242	1.00
71	20:19	1.00	0.898	1.00	120.00	120.00	0.102	0.102	1.00
72	20:31	1.00	0.907	1.00	120.00	120.00	1.040	1.040	1.00
73	20:37	1.00	0.911	1.00	120.00	120.00	1.166	1.166	1.00
74	21:28	1.00	0.949	1.00	120.00	120.00	0.260	0.260	1.00
75	21:20	1.00	0.943	1.00	120.00	120.00	0.343	0.343	1.00
76	21:36	1.00	0.955	1.00	120.00	120.00	0.310	0.310	1.00
77	22:09	1.00	0.979	1.00	120.00	120.00	0.695	0.695	1.00
78	22:07	1.00	0.978	1.00	120.00	120.00	0.108	0.108	1.00
79	22:19	1.00	0.986	1.00	120.00	120.00	0.347	0.347	1.00
80	22:10	1.00	0.980	1.00	120.00	120.00	0.046	0.046	1.00
81	22:42	1.00	1.004	1.00	120.00	120.00	0.981	0.981	1.00
82	22:50	1.00	1.009	1.00	120.00	120.00	0.947	0.947	1.00
83	24:11	1.00	1.069	1.00	120.00	120.00	1.045	1.045	1.00
84	25:48	1.00	1.141	1.00	120.00	120.00	0.778	0.778	1.00
85	26:24	1.00	0.893	1.00	120.00	120.00	1.883	1.883	1.00
86	26:09	1.00	0.885	1.00	120.00	120.00	0.516	0.516	1.00
87	27:11	1.00	0.920	1.00	120.00	120.00	0.350	0.350	1.00
88	28:06	1.00	0.951	1.00	120.00	120.00	0.598	0.598	1.00
89	29:28	1.00	0.997	1.00	120.00	120.00	0.367	0.367	1.00
90	29:32	1.00	0.999	1.00	120.00	120.00	1.126	1.126	1.00
91	29:38	1.00	1.002	1.00	120.00	120.00	1.146	1.146	1.00
92	29:35	1.00	1.001	1.00	120.00	120.00	0.879	0.879	1.00
93	31:26	1.00	0.915	1.00	120.00	120.00	1.397	1.397	1.00
94	32:49	1.00	0.956	1.00	120.00	120.00	0.566	0.566	1.00
95	32:50	1.00	0.956	1.00	120.00	120.00	1.346	1.346	1.00
96	32:56	1.00	0.959	1.00	120.00	120.00	1.253	1.253	1.00
97	34:07	1.00	0.993	1.00	120.00	120.00	1.073	1.073	1.00
98	35:42	1.00	1.040	1.00	120.00	120.00	0.563	0.563	1.00
99	40:11	1.00	1.170	1.00	120.00	120.00	0.192	0.192	1.00
100	40:11	1.00	1.170	1.00	120.00	120.00	1.048	1.048	1.00

Quantitation Report File: AD14120STD

Data: AD14120STD.TI
06/14/91 17:43:00
Sample: SSTD120
Conds.: MS-B CASE: EOH0022
Submitted by: Analyst: JOHNSON

AMOUNT=AREA * REF AMNT/(REF AREA * RESP FACT)
Resp. fac. from Library Entry

No	Name
101	BENZO (G,H,I)PERYLENE
102	DIBENZ(A,J)ACRIDINE

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount	%Tot
101	276	2598	41:46	6	1.216	A BB	74453.	120.000 UG	1.01
102	279	2421	38:55	6	1.133	A BB	63500.	120.000 UG	1.01

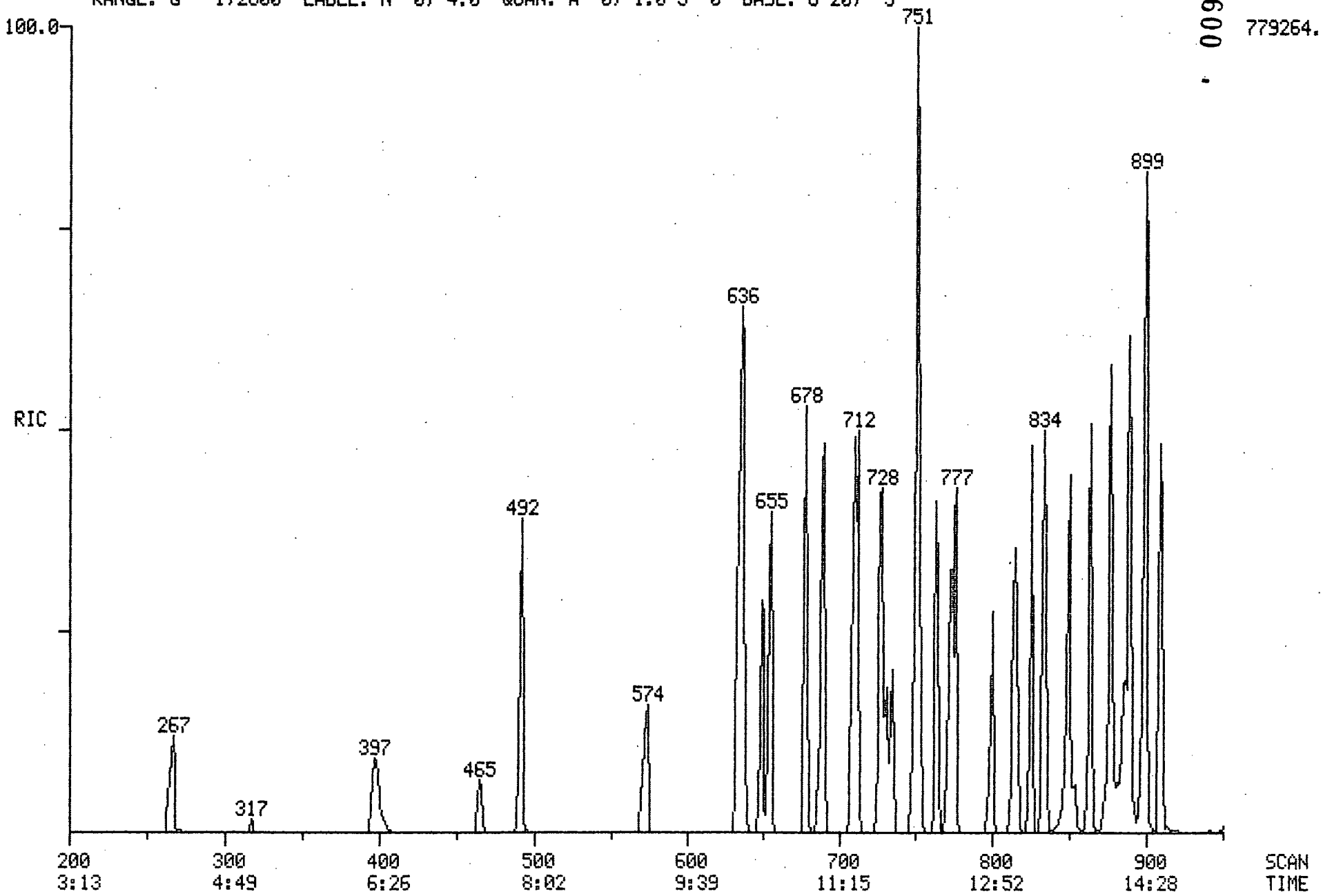
No	Ret(L)	Ratio	RRT(L)	Ratio	Amnt	Amnt(L)	R.Fac	R.Fac(L)	Ratio
101	41:46	1.00	1.216	1.00	120.00	120.00	0.921	0.921	1.00
102	38:55	1.00	1.133	1.00	120.00	120.00	0.786	0.786	1.00

MIDRIC
06/14/91 18:38:00
SAMPLE: SSTD160
CONDS.: MS-B CASE: EOH0022
RANGE: G 1,2800 LABEL: N 0, 4.0 QUAN: A 0, 1.0 J 0 BASE: U 20, 3

DATA: AD15160STD #1 SCANS 200 TO 950
CALI: AD15160STD #2

T.J. Masoian
6-18-91

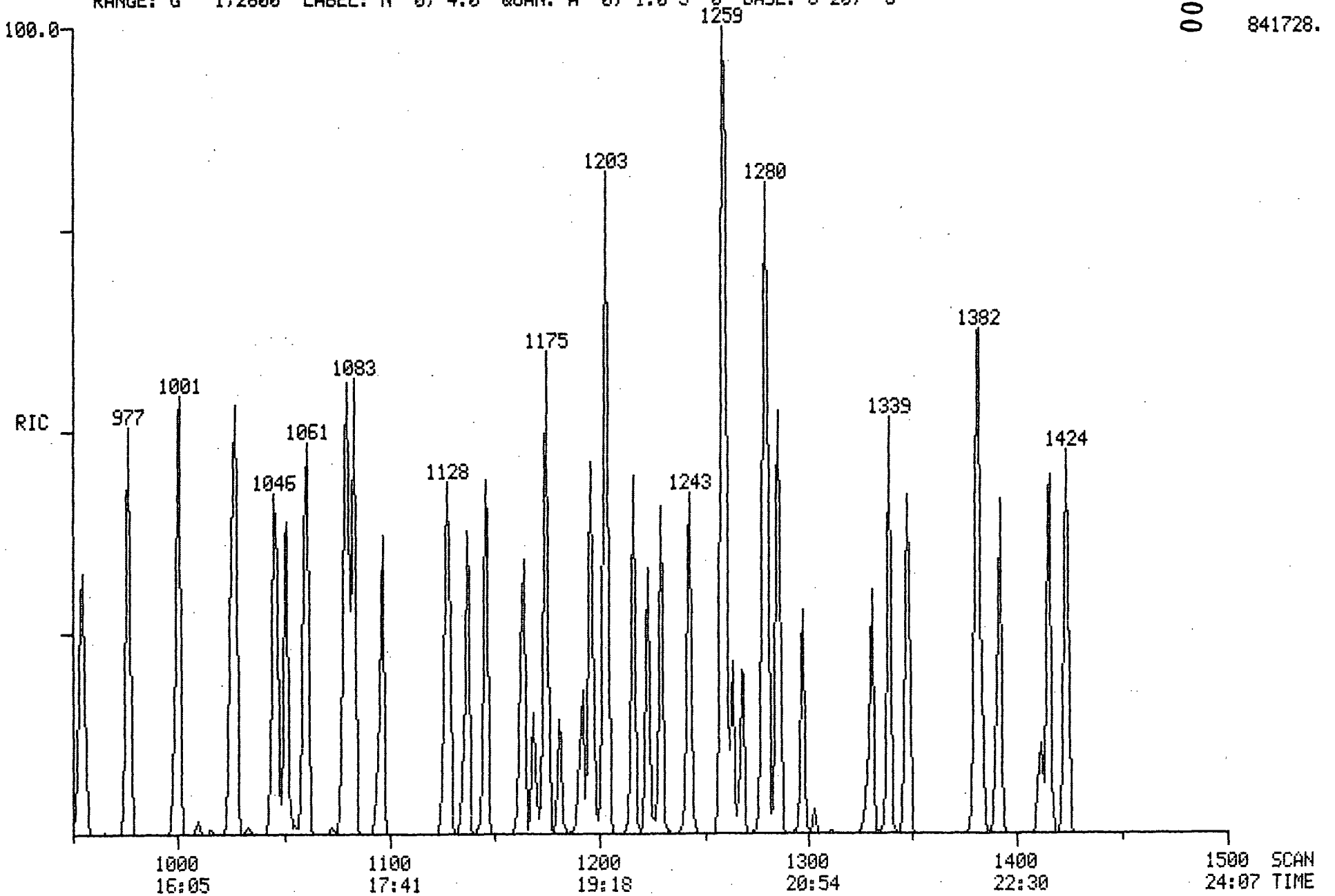
00928



MIDRIC
06/14/91 18:38:00
SAMPLE: SSTD160
CONDS.: MS-B CASE: EOH0022
RANGE: G 1,2800 LABEL: N 0, 4.0 QUAN: A 0, 1.0 J 0 BASE: U 20, 3

DATA: AD15160STD #1 SCANS 950 TO 1500
CALI: AD15160STD #2

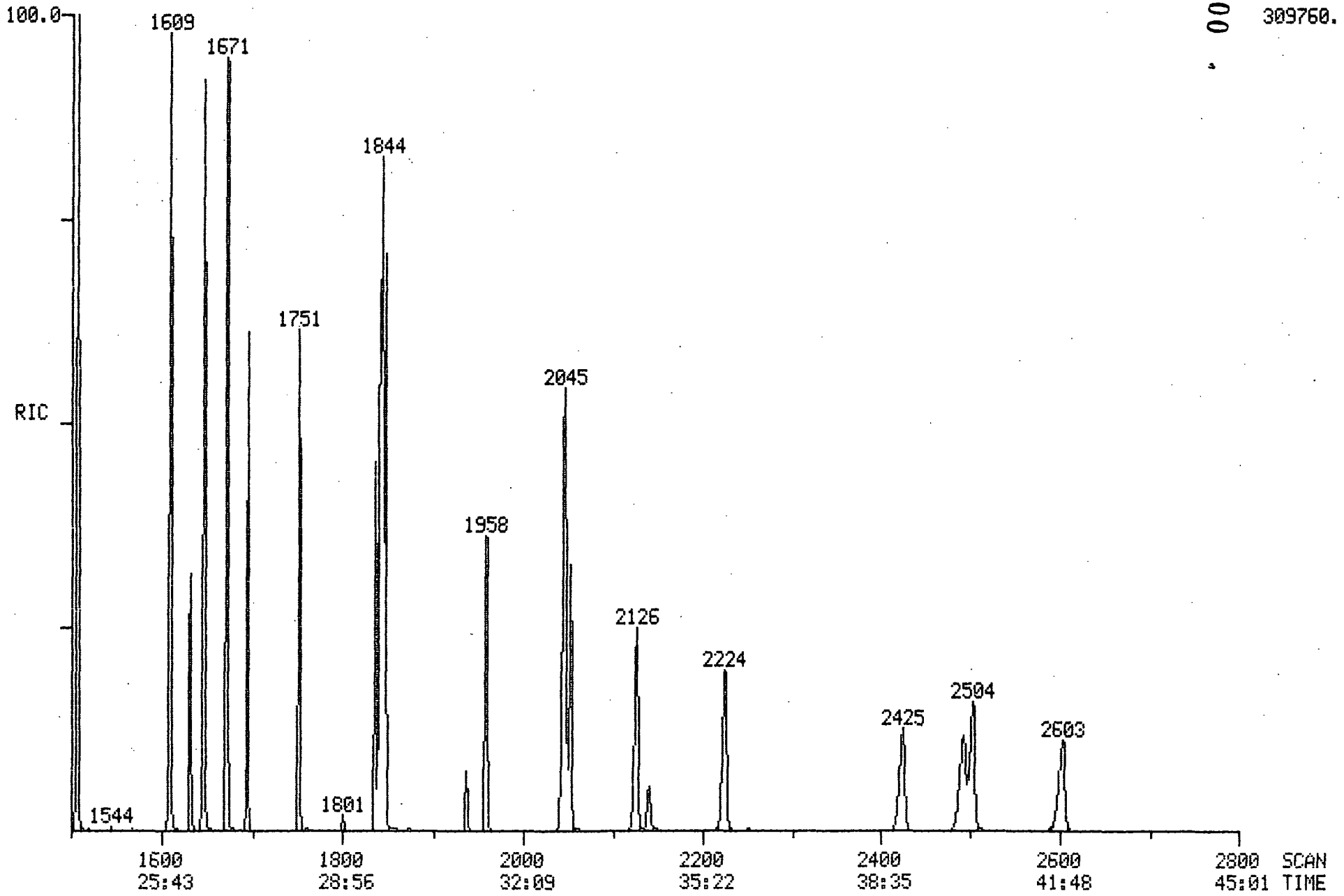
00929



MIDRIC
06/14/91 18:38:00
SAMPLE: SSTD160
CONDS.: MS-B CASE: EOH0022
RANGE: G 1,2800 LABEL: N 0, 4.0 QUAN: A 0, 1.0 J 0 BASE: U 20, 3

DATA: AD15160STD #1 SCANS 1500 TO 2800
CALI: AD15160STD #2

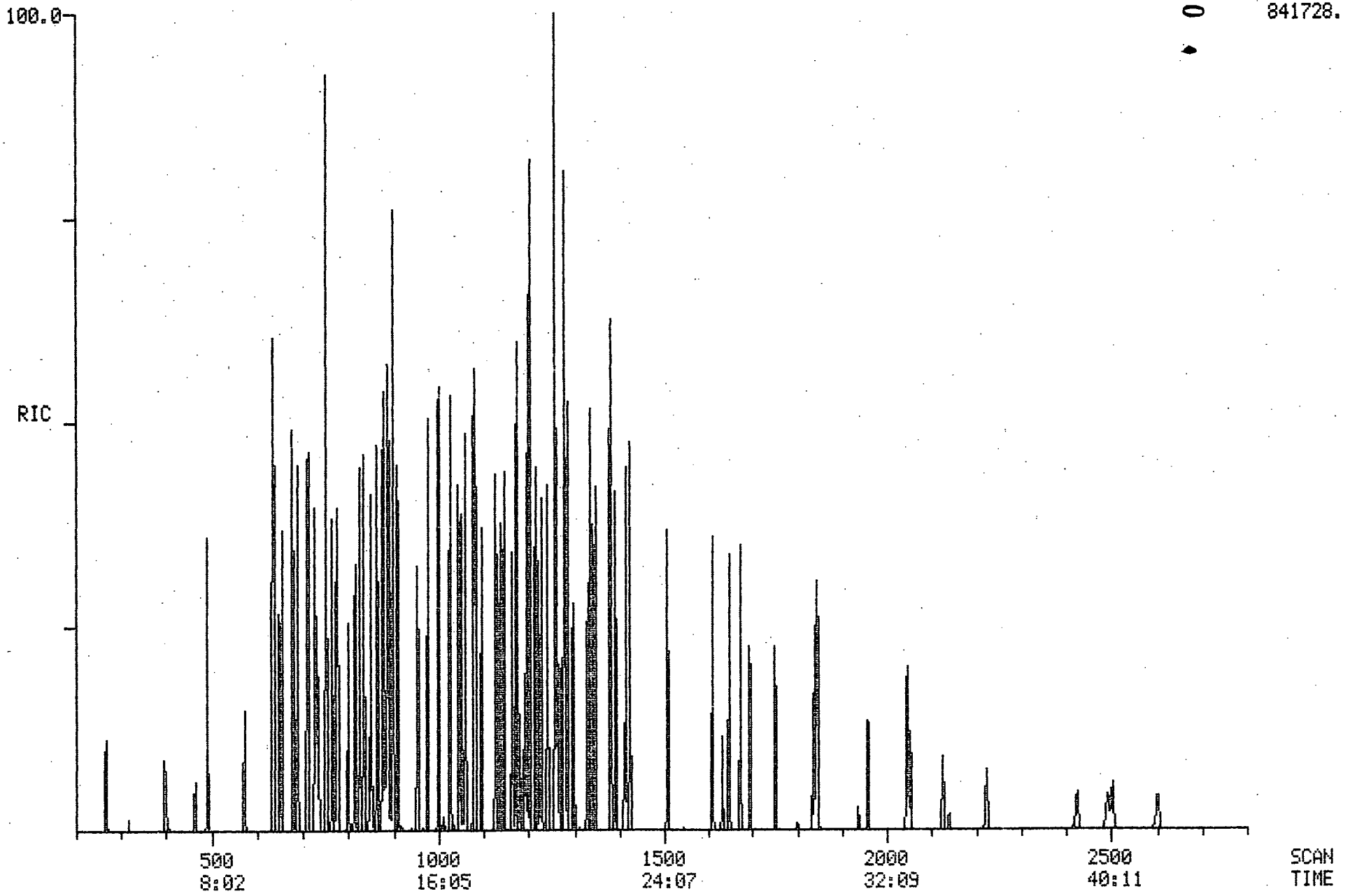
00930



MIDRIC
06/14/91 18:38:00
SAMPLE: SSTD160
CONDS.: MS-B CASE: EOH0022
RANGE: G 1,2800 LABEL: N 0, 4.0 QUAN: A 0, 1.0 J 0 BASE: U 20, 3

DATA: AD15160STD #1 SCANS 200 TO 2800
CALI: AD15160STD #2

00931



PROCEDURE: TCA DIAGNOSTIC REPORT 6/15/91 19:25:02
DATA FILE: AD15160STD
REFERENCE: 82711
NAME LIST: 8270 INITIALIZATION OPTION: 4 PROCESSING OPTION: 3
REPORT: DSISTD

< ---- STANDARDS ----- >				< --- PLUS UNKNOWNS --- >				< - LIST NAMES - >
PROC	USED	POSS	RMS	PROC	USED	POSS	RMS	STANDARD/UNKNOWN
6	5	1	227	12	12	1	183	DSISTD/DSSURR
6	6	1	196	21	20	64	148	DSISTD/82701
6	6	1	196	21	20	1	128	DSISTD/82702
6	6	1	196	21	19	32	365	DSISTD/82703
6	6	1	196	21	20	4	415	DSISTD/82704
6	6	1	196	21	19	8	464	DSISTD/82705
6	6	1	196	21	21	64	554	DSISTD/82706

102 COMPOUNDS PROCESSED, 94 FOUND

< COMPOUND >			< ---------- SEARCH ---------- >					< SAT >		< ------ CHRO ------- >			
NO	LIB	ENTRY	REF	PRED	SEL	DELTA	PEAKS	FIT	PEAKS	M/Z	TOP	DELTA	PEAKS
1	DS	1	-706	688	687	-1	1	960	.	152	687	.	1
2	DS	2	-905	886	885	-1	1	920	.	136	885	.	1
3	DS	3	-1189	1168	1169	1	1	950	.	164	1169	.	1
4	DS	4	-1431	1408	1411	3	1	993	.	188	1411	.	1
5	DS	5	-1864	1838	.	.	.	.	.	240	.	.	.
6	DS	6	-2170	2142	2140	-2	1	963	.	264	2140	.	1
7	DS	7	-510	494	492	-2	1	979	.	112	492	.	1
8	DS	8	-651	634	634	.	1	935	.	99	634	.	1
9	DS	9	-791	773	773	.	1	976	.	82	773	.	1
10	DS	10	-1080	1060	1061	1	1	987	-1	172	1061	.	1
11	DS	11	-1317	1296	1297	1	1	942	.	330	1297	.	1
12	DS	12	-1692	1668	1671	3	1	984	.	244	1671	.	1
13	DS	13	-285	269	267	-2	1	973	.	42	267	.	1
14	DS	14	-416	399	397	-2	1	994	.	93	397	.	1
15	DS	15	-484	467	465	-2	1	990	.	80	465	.	1
16	DS	16	-590	572	574	2	1	992	.	79	574	.	1
17	DS	17	-653	635	636	1	1	971	.	94	636	.	1
18	DS	18	-656	638	.	.	.	.	.	93	638	.	1
19	DS	19	-667	649	649	.	1	983	.	93	649	.	1
20	DS	20	-673	655	655	.	1	930	.	128	655	.	1
21	DS	21	-697	679	678	-1	2	960	.	146	678	.	1
22	DS	22	-731	712	712	.	2	965	.	146	712	.	1
23	DS	23	-727	708	710	2	2	993	.	108	710	.	1
24	DS	24	-731	712	712	.	2	965	.	146	712	.	1
25	DS	25	-745	726	727	1	2	994	.	108	727	.	1
26	DS	26	-750	731	731	.	2	956	.	45	731	.	1
27	DS	27	-745	726	727	1	1	967	.	108	727	.	1
28	DS	28	-769	752	753	1	1	971	.	70	753	.	1
29	DS	29	-784	766	764	-2	1	975	.	117	764	.	1
30	DS	30	-768	751	751	.	1	976	1	105	751	.	1
31	DS	31	-794	776	777	1	1	950	-1	77	777	.	1
32	DS	32	-818	800	801	1	1	996	.	42	801	.	1
33	DS	33	-832	814	815	1	1	972	-1	82	815	.	1
34	DS	34	-844	826	826	.	1	970	.	139	826	.	1
35	DS	35	-852	834	834	.	1	977	.	122	834	.	1
36	DS	36	-868	850	850	.	1	969	-1	93	850	.	1
37	DS	39	-882	864	864	.	1	995	.	162	864	.	1
38	DS	40	-896	878	877	-1	1	969	.	180	877	.	1
39	DS	41	-908	889	889	.	1	957	-1	128	889	.	1
40	DS	42	-917	898	.	.	.	.	.	127	899	.	1

00932

42	DS	44	-929	910	909	-1	1	979	.	225	909	.	1
43	DS	45	-973	957	955	-2	1	988	.	84	955	.	1
44	DS	46	-995	979	.	.	.	.	.	107	977	.	1
45	DS	47	-1020	1004	1001	-3	2	961	-2	142	1001	.	1
46	DS	48	-1047	1030	1027	-3	1	983	.	216	1027	.	1
47	DS	49	-1045	1028	.	.	.	.	.	237	1026	.	1
48	DS	50	-1065	1048	1046	-2	2	964	.	196	1046	.	1
49	DS	51	-1070	1053	1052	-1	2	962	.	196	1051	-1	1
50	DS	52	-1098	1081	1080	-1	2	977	-1	162	.	.	.
51	DS	53	-1093	1076	1080	4	2	989	-1	162	.	.	.
52	DS	54	-1110	1093	1097	4	1	954	.	65	1097	.	1
53	DS	55	-1141	1124	1128	4	1	967	-1	163	1128	.	1
54	DS	56	-1150	1132	1137	5	1	982	.	165	1137	.	1
55	DS	57	-1160	1142	1146	4	1	967	-1	152	1146	.	1
56	DS	58	-1177	1159	1164	5	1	981	.	138	1164	.	1
57	DS	59	-1189	1171	1175	4	1	972	-2	154	1175	.	1
58	DS	60	-1194	1179	1181	2	1	990	.	184	1181	.	1
59	DS	61	-1203	1188	1192	4	1	969	.	139	1192	.	1
60	DS	62	-1217	1202	.	.	.	.	.	168	1203	.	1
61	DS	63	-1216	1201	1203	2	1	927	.	165	1203	.	1
62	DS	64	-1210	1195	1196	1	1	982	.	250	1196	.	1
63	DS	65	-1230	1215	1216	1	2	991	-1	143	1216	.	1
64	DS	66	-1236	1221	1223	2	1	992	.	232	1223	.	1
65	DS	67	-1243	1227	1229	2	2	995	-1	143	1229	.	1
66	DS	68	-1256	1240	1243	3	1	982	-1	149	1243	.	1
67	DS	69	-1273	1257	1259	2	1	946	.	204	1260	1	1
68	DS	70	-1273	1257	1259	2	1	920	-2	166	1259	.	1
69	DS	71	-1276	1260	1264	4	1	972	.	138	1264	.	1
70	DS	72	-1281	1265	1268	3	1	971	.	198	1268	.	1
71	DS	73	-1293	1277	1280	3	1	989	-1	169	1280	.	1
72	DS	74	-1299	1283	1286	3	1	967	-1	77	1286	.	1
73	DS	75	-1353	1337	1339	2	1	972	.	248	1339	.	1
74	DS	76	-1343	1327	1331	4	1	993	.	108	1331	.	1
75	DS	78	-1362	1346	1348	2	1	988	.	284	1348	.	1
76	DS	79	-1395	1379	1381	2	1	953	.	169	1381	.	1
77	DS	81	-1394	1378	.	.	.	.	.	266	1380	.	1
78	DS	83	-1405	1389	1392	3	1	987	.	173	1392	.	1
79	DS	84	-1396	1380	.	.	.	.	.	295	1382	.	1
80	DS	85	-1430	1413	1416	3	2	979	-1	178	1415	-1	1
81	DS	86	-1438	1421	1424	3	2	911	-1	178	1424	.	1
82	DS	89	-1522	1505	1508	3	1	973	-1	149	1508	.	1
83	DS	92	-1624	1607	1609	2	1	989	-1	202	1609	.	1
84	DS	93	-1661	1643	1646	3	2	994	-1	202	1646	.	1
85	DS	96	-1645	1628	1631	3	1	987	.	184	1631	.	1
86	DS	98	-1709	1691	1694	3	1	977	.	120	1694	.	1
87	DS	103	-1766	1748	1751	3	1	942	.	149	1751	.	1
88	DS	108	-1851	1828	1836	8	1	991	.	252	1836	.	1
89	DS	109	-1862	1839	1841	2	2	994	.	228	1841	.	1
90	DS	110	-1862	1839	1841	2	2	992	.	228	1841	.	1
91	DS	111	-1858	1835	1844	9	1	914	.	149	1844	.	1
92	DS	112	-1976	1953	1958	5	1	966	.	149	1958	.	1
93	DS	113	-2064	2040	2045	5	1	936	.	256	2044	-1	1
94	DS	114	-2066	2042	2046	4	2	969	.	252	2046	.	1
95	DS	115	-2072	2048	2046	-2	2	976	.	252	2046	.	1
96	DS	116	-2148	2124	2126	2	1	966	.	252	2126	.	1
97	DS	117	-2249	2225	2224	-1	1	961	.	268	2224	.	1
98	DS	118	-2525	2500	2504	4	2	949	.	276	2504	.	1
99	DS	119	-2536	2511	2504	-7	1	934	.	278	2504	.	1
100	DS	120	-2637	2611	2603	-8	1	980	.	276	2603	.	1
101	DS	128	-2455	2430	2425	-5	1	986	.	279	2425	.	1
102	DS	37	-886	866	854	-12	2	984	.	122	854	.	1

Quantitation Report File: AD15160STD

Data: AD15160STD.TI
06/14/91 18:38:00
Sample: SSTD160
Conds.: MS-B CASE: EOH0022
Submitted by: Analyst: JOHNSON

AMOUNT=AREA * REF AMNT/(REF AREA * RESP FACT)
Resp. fac. from Library Entry

No	Name
1	ISTD D4-1,4-DICHLOROBENZENE
2	ISTD D-8-NAPHTHALENE
3	ISTD ACENAPHTHENE-D10
4	INTERNAL STANDARD D-10-PHENANTHRENE
5	INTERNAL STANDARD D-12-CHRYSENE
6	ISTD D-12 PERYLENE
7	SURROGATE 2-FLUOROPHENOL
8	SURROGATE D-6-PHENOL
9	SURROGATE D5-NITROBENZENE
10	SURROGATE 2-FLUOROBIPHENYL
11	SURROGATE STANDARD 2,4,6-TRIBROMOPHENOL
12	SURROGATE STANDARD P-TERPHENYL D-14
13	N-NITROSODIMETHYLAMINE
14	2-PICOLINE
15	METHYL METHANESULFONATE
16	ETHYL METHANESULFONATE
17	C315 PHENOL
18	ANILINE
19	BIS(2-CHLOROETHYL)ETHER
20	2-CHLOROPHENOL
21	1,3-DICHLOROBENZENE
22	1,4-DICHLOROBENZENE
23	BENZYL ALCOHOL
24	1,2-DICHLOROBENZENE
25	2-METHYLPHENOL
26	BIS(2-CHLOROISOPROPYL)ETHER
27	4-METHYLPHENOL
28	N-NITROSO-DI-N-PROPYLAMINE
29	HEXACHLOROETHANE
30	ACETOPHENONE
31	NITROBENZENE
32	N-NITROSOPIPERIDINE
33	ISOPHORONE
34	2-NITROPHENOL
35	2,4-DIMETHYLPHENOL
36	BIS(2-CHLOROETHOXY)METHANE
37	BENZOIC ACID
38	2,4-DICHLOROPHENOL
39	1,2,4-TRICHLOROBENZENE
40	NAPHTHALENE
41	4-CHLOROANILINE
42	2,6-DICHLOROPHENOL
43	HEXACHLOROBUTADIENE
44	N-NITROSO-DI-N-BUTYLAMINE
45	4-CHLORO-3-METHYLPHENOL
46	2-METHYL NAPHTHALENE
47	1,2,4,5-TETRACHLOROBENZENE
48	HEXACHLOROCYCLOPENTADIENE
49	2,4,6-TRICHLOROPHENOL

50 2,4,5-TRICHLOROPHENOL

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount	%Tot
1	152	687	11:03	1	1.000	A BB	24946.	40.000 UG	0.25
2	136	885	14:14	2	1.000	A BB	111869.	40.000 UG	0.25
3	164	1169	18:48	3	1.000	A BB	65657.	40.000 UG	0.25
4	188	1411	22:41	4	1.000	A BB	91434.	40.000 UG	0.25
5	240	1842	29:37	5	1.000	A BB	45028.	40.000 UG	0.25
6	264	2140	34:24	6	1.000	A BB	32306.	40.000 UG	0.25
7	112	492	7:55	1	0.716	A BB	142256.	160.000 UG	0.99
8	99	634	10:12	1	0.923	A BB	203859.	160.000 UG	0.99
9	82	773	12:26	2	0.873	A BB	242138.	160.000 UG	0.99
10	172	1061	17:03	3	0.908	A BB	306979.	160.000 UG	0.99
11	330	1297	20:51	3	1.109	A BB	55883.	160.000 UG	0.99
12	244	1671	26:52	5	0.907	A BB	266951.	160.000 UG	0.99
13	42	267	4:18	1	0.389	A BB	135151.	160.000 UG	0.99
14	93	397	6:23	1	0.578	A BB	94757.	160.000 UG	0.99
15	80	465	7:29	1	0.677	A BB	54025.	160.000 UG	0.99
16	79	574	9:14	1	0.836	A BB	169185.	160.000 UG	0.99
17	94	636	10:13	1	0.926	A BB	243532.	160.000 UG	0.99
18	93	638	10:15	1	0.929	A BV	273349.	160.000 UG	0.99
19	93	649	10:26	1	0.945	A VV	174512.	160.000 UG	0.99
20	128	655	10:32	1	0.953	A BB	151632.	160.000 UG	0.99
21	146	678	10:54	1	0.987	A BB	165048.	160.000 UG	0.99
22	146	689	11:05	1	1.003	A BB	164028.	160.000 UG	0.99
23	108	710	11:25	1	1.033	A BB	108412.	160.000 UG	0.99
24	146	712	11:27	1	1.036	A BB	157193.	160.000 UG	0.99
25	108	727	11:41	1	1.058	A BB	161363.	160.000 UG	0.99
26	45	731	11:45	1	1.064	A BB	235253.	160.000 UG	0.99
27	108	727	11:41	1	1.058	A BB	161363.	160.000 UG	0.99
28	70	753	12:06	1	1.096	A BB	184163.	160.000 UG	0.99
29	117	764	12:17	1	1.112	A BB	92395.	160.000 UG	0.99
30	105	751	12:04	2	0.849	A BB	271041.	160.000 UG	0.99
31	77	777	12:29	2	0.878	A BV	260935.	160.000 UG	0.99
32	42	801	12:53	2	0.905	A BB	185488.	160.000 UG	0.99
33	82	815	13:06	2	0.921	A BB	402909.	160.000 UG	0.99
34	139	826	13:17	2	0.933	A BB	105662.	160.000 UG	0.99
35	122	834	13:24	2	0.942	A BB	133428.	160.000 UG	0.99
36	93	850	13:40	2	0.960	A BB	256846.	160.000 UG	0.99
37	122	854	13:44	2	0.965	A BV	44430.	160.000 UG	0.99
38	162	864	13:53	2	0.976	A BB	134391.	160.000 UG	0.99
39	180	877	14:06	2	0.991	A BB	161013.	160.000 UG	0.99
40	128	889	14:18	2	1.005	A BB	392467.	160.000 UG	0.99
41	127	899	14:27	2	1.016	A BB	212332.	160.000 UG	0.99
42	162	900	14:28	2	1.017	A BB	143616.	160.000 UG	0.99
43	225	909	14:37	2	1.027	A BB	100383.	160.000 UG	0.99
44	84	955	15:21	2	1.079	A BB	161909.	160.000 UG	0.99
45	107	977	15:42	2	1.104	A BB	181253.	160.000 UG	0.99
46	142	1001	16:06	2	1.131	A BB	286227.	160.000 UG	0.99
47	216	1027	16:31	3	0.879	A BB	169568.	160.000 UG	0.99
48	237	1026	16:30	3	0.878	A BB	70897.	160.000 UG	0.99
49	196	1046	16:49	3	0.895	A BV	109479.	160.000 UG	0.99
50	196	1051	16:54	3	0.899	A VB	101019.	160.000 UG	0.99

No	Ret(L)	Ratio	RRT(L)	Ratio	Amnt	Amnt(L)	R.Fac	R.Fac(L)	Ratio
1	10:59	1.01	1.000	1.00	40.00	40.00	1.000	1.000	1.00
2	14:11	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
3	18:44	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
4	22:37	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
5	29:34	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
6	34:20	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
7	7:51	1.01	0.714	1.00	160.00	160.00	1.426	1.426	1.00
8	10:08	1.01	0.922	1.00	160.00	160.00	2.043	2.043	1.00
9	12:22	1.01	0.872	1.00	160.00	160.00	0.541	0.541	1.00
10	17:00	1.00	0.907	1.00	160.00	160.00	1.169	1.169	1.00

12	26:49	1.00	0.907	1.00	160.00	160.00	1.482	1.482	1.00
13	4:14	1.02	0.385	1.01	160.00	160.00	1.354	1.354	1.00
14	6:19	1.01	0.575	1.00	160.00	160.00	0.950	0.950	1.00
15	7:26	1.01	0.676	1.00	160.00	160.00	0.541	0.541	1.00
16	9:09	1.01	0.833	1.00	160.00	160.00	1.696	1.696	1.00
17	10:10	1.01	0.925	1.00	160.00	160.00	2.441	2.441	1.00
18	10:12	1.01	0.928	1.00	160.00	160.00	2.739	2.739	1.00
19	10:23	1.00	0.946	1.00	160.00	160.00	1.749	1.749	1.00
20	10:28	1.01	0.953	1.00	160.00	160.00	1.520	1.520	1.00
21	10:50	1.01	0.987	1.00	160.00	160.00	1.654	1.654	1.00
22	11:02	1.00	1.004	1.00	160.00	160.00	1.644	1.644	1.00
23	11:21	1.01	1.034	1.00	160.00	160.00	1.086	1.086	1.00
24	11:23	1.01	1.037	1.00	160.00	160.00	1.575	1.575	1.00
25	11:37	1.01	1.059	1.00	160.00	160.00	1.617	1.617	1.00
26	11:41	1.01	1.064	1.00	160.00	160.00	2.358	2.358	1.00
27	11:37	1.01	1.059	1.00	160.00	160.00	1.617	1.617	1.00
28	12:02	1.01	1.097	1.00	160.00	160.00	1.846	1.846	1.00
29	12:14	1.00	1.114	1.00	160.00	160.00	0.926	0.926	1.00
30	12:01	1.01	0.847	1.00	160.00	160.00	0.606	0.606	1.00
31	12:26	1.01	0.876	1.00	160.00	160.00	0.583	0.583	1.00
32	12:49	1.01	0.904	1.00	160.00	160.00	0.415	0.415	1.00
33	13:02	1.00	0.920	1.00	160.00	160.00	0.900	0.900	1.00
34	13:13	1.00	0.932	1.00	160.00	160.00	0.236	0.236	1.00
35	13:21	1.00	0.941	1.00	160.00	160.00	0.298	0.298	1.00
36	13:36	1.00	0.959	1.00	160.00	160.00	0.574	0.574	1.00
37	13:37	1.01	0.960	1.00	160.00	160.00	0.099	0.099	1.00
38	13:50	1.00	0.975	1.00	160.00	160.00	0.300	0.300	1.00
39	14:02	1.00	0.990	1.00	160.00	160.00	0.360	0.360	1.00
40	14:14	1.00	1.003	1.00	160.00	160.00	0.877	0.877	1.00
41	14:23	1.00	1.015	1.00	160.00	160.00	0.475	0.475	1.00
42	14:24	1.00	1.016	1.00	160.00	160.00	0.321	0.321	1.00
43	14:34	1.00	1.027	1.00	160.00	160.00	0.224	0.224	1.00
44	15:17	1.00	1.078	1.00	160.00	160.00	0.362	0.362	1.00
45	15:39	1.00	1.103	1.00	160.00	160.00	0.405	0.405	1.00
46	16:02	1.00	1.130	1.00	160.00	160.00	0.640	0.640	1.00
47	16:28	1.00	0.879	1.00	160.00	160.00	0.646	0.646	1.00
48	16:26	1.00	0.877	1.00	160.00	160.00	0.270	0.270	1.00
49	16:45	1.00	0.894	1.00	160.00	160.00	0.417	0.417	1.00
50	16:51	1.00	0.900	1.00	160.00	160.00	0.385	0.385	1.00

Quantitation Report File: AD15160STD

Data: AD15160STD.TI
06/14/91 18:38:00
Sample: SSTD160
Conds.: MS-B CASE: EOH0022
Submitted by: Analyst: JOHNSON

AMOUNT=AREA * REF AMNT/(REF AREA * RESP FACT)
Resp. fac. from Library Entry

No	Name
51	2-CHLORONAPHTHALENE
52	1-CHLORONAPHTHALENE
53	2-NITROANILINE
54	DIMETHYL PHTHALATE
55	2,6-DINITROTOLUENE
56	ACENAPHTHYLENE
57	3-NITROANILINE
58	ACENAPHTHENE
59	2,4-DINITROPHENOL
60	4-NITROPHENOL
61	DIBENZOFURAN
62	2,4-DINITROTOLUENE
63	PENTACHLOROBENZENE
64	1-NAPHTHYLAMINE
65	2,3,4,6-TETRACHLOROPHENOL
66	2-NAPHTHYLAMINE
67	DIETHYL PHTHALATE
68	4-CHLOROPHENYL PHENYL ETHER
69	FLUORENE
70	4-NITROANILINE
71	4,6-DINITRO-2-METHYLPHENOL
72	N-NITROSODIPHENYLAMINE
73	1,2-DIPHENYLHYDRAZINE
74	4-BROMOPHENYL PHENYL ETHER
75	PHENACETIN
76	HEXACHLOROBENZENE
77	4-AMINOBIPHENYL
78	PENTACHLOROPHENOL
79	PRONAMIDE (PROPYZAMIDE)
80	PENTACHLORONITROBENZENE
81	PHENANTHRENE
82	ANTHRACENE
83	DI-N-BUTYL PHTHALATE
84	FLUORANTHENE
85	PYRENE
86	BENZIDINE
87	P-DIMETHYLAMINOAZOBENZENE
88	BUTYL BENZYL PHTHALATE
89	3,3'-DICHLOROBENZIDINE
90	BENZO(A)ANTHRACENE
91	CHRYSENE
92	BIS(2-ETHYLHEXYL)PHTHALATE
93	DI-N-OCTYL PHTHALATE
94	7,12-DIMETHYLBENZ(A)ANTHRACENE
95	BENZO(B)FLUORANTHENE
96	BENZO(K)FLUORANTHENE
97	BENZO(A)PYRENE
98	3-METHYLCHOLANTHRENE
99	INDENO(1,2,3-CD)PYRENE

100 DIBENZ(A,H)ANTHRACENE

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount	%Tot
51	162	1083	17:25	3	0.926	M XX	303193.	160.000 UG	0.99
52	162	1080	17:22	3	0.924	M XX	367586.	160.000 UG	0.99
53	65	1097	17:38	3	0.938	A BB	156348.	160.000 UG	0.99
54	163	1128	18:08	3	0.965	A BB	375739.	160.000 UG	0.99
55	165	1137	18:17	3	0.973	A BB	77184.	160.000 UG	0.99
56	152	1146	18:25	3	0.980	A BB	382065.	160.000 UG	0.99
57	138	1164	18:43	3	0.996	A BB	80916.	160.000 UG	0.99
58	154	1175	18:53	3	1.005	A BV	254583.	160.000 UG	0.99
59	184	1181	18:59	3	1.010	A BB	31885.	160.000 UG	0.99
60	139	1192	19:10	3	1.020	A BV	41356.	160.000 UG	0.99
61	168	1203	19:20	3	1.029	A BB	376117.	160.000 UG	0.99
62	165	1203	19:20	3	1.029	A BB	87914.	160.000 UG	0.99
63	250	1196	19:14	3	1.023	A BB	151370.	160.000 UG	0.99
64	143	1216	19:33	3	1.040	A BV	253048.	160.000 UG	0.99
65	232	1223	19:40	3	1.046	A BB	77485.	160.000 UG	0.99
66	143	1229	19:45	3	1.051	A VB	245625.	160.000 UG	0.99
67	149	1243	19:59	3	1.063	A BB	347498.	160.000 UG	0.99
68	204	1260	20:15	3	1.078	A BB	154854.	160.000 UG	0.99
69	166	1259	20:14	3	1.077	A BB	296422.	160.000 UG	0.99
70	138	1264	20:19	3	1.081	A BB	63367.	160.000 UG	0.99
71	198	1268	20:23	4	0.899	A BB	48953.	160.000 UG	0.99
72	169	1280	20:35	4	0.907	A BB	384747.	160.000 UG	0.99
73	77	1286	20:40	4	0.911	A VB	398693.	160.000 UG	0.99
74	248	1339	21:32	4	0.949	A BB	100066.	160.000 UG	0.99
75	108	1331	21:24	4	0.943	A BB	130217.	160.000 UG	0.99
76	284	1348	21:40	4	0.955	A BB	120650.	160.000 UG	0.99
77	169	1381	22:12	4	0.979	A BB	247820.	160.000 UG	0.99
78	266	1380	22:11	4	0.978	A BV	54493.	160.000 UG	0.99
79	173	1392	22:23	4	0.987	A BB	122212.	160.000 UG	0.99
80	295	1382	22:13	4	0.979	A BB	17206.	160.000 UG	0.99
81	178	1415	22:45	4	1.003	A BV	351493.	160.000 UG	0.99
82	178	1424	22:54	4	1.009	A VB	335049.	160.000 UG	0.99
83	149	1508	24:15	4	1.069	A BV	367245.	160.000 UG	0.99
84	202	1609	25:52	4	1.140	A BV	293788.	160.000 UG	0.99
85	202	1646	26:28	5	0.894	A BB	278637.	160.000 UG	0.99
86	184	1631	26:13	5	0.885	A BB	92480.	160.000 UG	0.99
87	120	1694	27:14	5	0.920	A BB	60896.	160.000 UG	0.99
88	149	1751	28:09	5	0.951	A BB	100020.	160.000 UG	0.99
89	252	1836	29:31	5	0.997	A BB	69474.	160.000 UG	0.99
90	228	1841	29:36	5	0.999	A BV	190214.	160.000 UG	0.99
91	228	1847	29:42	5	1.003	A VB	189566.	160.000 UG	0.99
92	149	1844	29:39	5	1.001	A BB	159557.	160.000 UG	0.99
93	149	1958	31:29	6	0.915	A BB	186340.	160.000 UG	0.99
94	256	2044	32:52	6	0.955	A BB	75134.	160.000 UG	0.99
95	252	2046	32:54	6	0.956	A BV	185368.	160.000 UG	0.99
96	252	2053	33:00	6	0.959	A VB	155005.	160.000 UG	0.99
97	252	2126	34:11	6	0.993	A BB	148568.	160.000 UG	0.99
98	268	2224	35:45	6	1.039	A BB	80330.	160.000 UG	0.99
99	276	2504	40:15	6	1.170	A VB	27417.	160.000 UG	0.99
100	278	2504	40:15	6	1.170	A BB	153169.	160.000 UG	0.99

No	Ret(L)	Ratio	RRT(L)	Ratio	Amnt	Amnt(L)	R.Fac	R.Fac(L)	Ratio
51	17:18	1.01	0.924	1.00	160.00	160.00	1.154	1.154	1.00
52	17:18	1.00	0.924	1.00	160.00	160.00	1.400	1.400	1.00
53	17:34	1.00	0.938	1.00	160.00	160.00	0.595	0.595	1.00
54	18:04	1.00	0.965	1.00	160.00	160.00	1.431	1.431	1.00
55	18:13	1.00	0.973	1.00	160.00	160.00	0.294	0.294	1.00
56	18:22	1.00	0.980	1.00	160.00	160.00	1.455	1.455	1.00
57	18:39	1.00	0.996	1.00	160.00	160.00	0.308	0.308	1.00
58	18:50	1.00	1.005	1.00	160.00	160.00	0.969	0.969	1.00
59	18:55	1.00	1.010	1.00	160.00	160.00	0.121	0.121	1.00
60	19:05	1.00	1.019	1.00	160.00	160.00	0.157	0.157	1.00

62	19:17	1.00	1.029	1.00	160.00	160.00	0.335	0.335	1.00
63	19:10	1.00	1.023	1.00	160.00	160.00	0.576	0.576	1.00
64	19:29	1.00	1.040	1.00	160.00	160.00	0.964	0.964	1.00
65	19:36	1.00	1.046	1.00	160.00	160.00	0.295	0.295	1.00
66	19:42	1.00	1.052	1.00	160.00	160.00	0.935	0.935	1.00
67	19:55	1.00	1.064	1.00	160.00	160.00	1.323	1.323	1.00
68	20:12	1.00	1.078	1.00	160.00	160.00	0.590	0.590	1.00
69	20:11	1.00	1.077	1.00	160.00	160.00	1.129	1.129	1.00
70	20:14	1.00	1.081	1.00	160.00	160.00	0.241	0.241	1.00
71	20:19	1.00	0.898	1.00	160.00	160.00	0.134	0.134	1.00
72	20:31	1.00	0.907	1.00	160.00	160.00	1.052	1.052	1.00
73	20:37	1.00	0.911	1.00	160.00	160.00	1.090	1.090	1.00
74	21:28	1.00	0.949	1.00	160.00	160.00	0.274	0.274	1.00
75	21:20	1.00	0.943	1.00	160.00	160.00	0.356	0.356	1.00
76	21:36	1.00	0.955	1.00	160.00	160.00	0.330	0.330	1.00
77	22:09	1.00	0.979	1.00	160.00	160.00	0.678	0.678	1.00
78	22:07	1.00	0.978	1.00	160.00	160.00	0.149	0.149	1.00
79	22:19	1.00	0.986	1.00	160.00	160.00	0.334	0.334	1.00
80	22:10	1.00	0.980	1.00	160.00	160.00	0.047	0.047	1.00
81	22:42	1.00	1.004	1.00	160.00	160.00	0.961	0.961	1.00
82	22:50	1.00	1.009	1.00	160.00	160.00	0.916	0.916	1.00
83	24:11	1.00	1.069	1.00	160.00	160.00	1.004	1.004	1.00
84	25:48	1.00	1.141	1.00	160.00	160.00	0.803	0.803	1.00
85	26:24	1.00	0.893	1.00	160.00	160.00	1.547	1.547	1.00
86	26:09	1.00	0.885	1.00	160.00	160.00	0.513	0.513	1.00
87	27:11	1.00	0.920	1.00	160.00	160.00	0.338	0.338	1.00
88	28:06	1.00	0.951	1.00	160.00	160.00	0.555	0.555	1.00
89	29:28	1.00	0.997	1.00	160.00	160.00	0.386	0.386	1.00
90	29:32	1.00	0.999	1.00	160.00	160.00	1.056	1.056	1.00
91	29:38	1.00	1.002	1.00	160.00	160.00	1.052	1.052	1.00
92	29:35	1.00	1.001	1.00	160.00	160.00	0.886	0.886	1.00
93	31:26	1.00	0.915	1.00	160.00	160.00	1.442	1.442	1.00
94	32:49	1.00	0.956	1.00	160.00	160.00	0.581	0.581	1.00
95	32:50	1.00	0.956	1.00	160.00	160.00	1.434	1.434	1.00
96	32:56	1.00	0.959	1.00	160.00	160.00	1.200	1.200	1.00
97	34:07	1.00	0.993	1.00	160.00	160.00	1.150	1.150	1.00
98	35:42	1.00	1.040	1.00	160.00	160.00	0.622	0.622	1.00
99	40:11	1.00	1.170	1.00	160.00	160.00	0.212	0.212	1.00
100	40:11	1.00	1.170	1.00	160.00	160.00	1.185	1.185	1.00

Quantitation Report File: AD15160STD

Data: AD15160STD.TI
06/14/91 18:38:00
Sample: SSTD160
Conds.: MS-B CASE: EOH0022
Submitted by: Analyst: JOHNSON

AMOUNT=AREA * REF AMNT/(REF AREA * RESP FACT)
Resp. fac. from Library Entry

No	Name
101	BENZO (G,H,I)PERYLENE
102	DIBENZ(A,J)ACRIDINE

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount	%Tot
101	276	2603	41:51	6	1.216	A BB	131135.	160.000 UG	0.99
102	279	2425	38:59	6	1.133	A BB	112836.	160.000 UG	0.99

No	Ret(L)	Ratio	RRT(L)	Ratio	Amnt	Amnt(L)	R.Fac	R.Fac(L)	Ratio
101	41:46	1.00	1.216	1.00	160.00	160.00	1.015	1.015	1.00
102	38:55	1.00	1.133	1.00	160.00	160.00	0.873	0.873	1.00

SV
STANDARDS DATA
CONTINUING CALIBRATION DATA

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: DATACHEM LABS Contract: 19005

Lab Code: DATAC Case No.: E0H022 SAS No.: _____ SDG No.: 13585

Instrument ID: MS-B Calibration Date: 6.14.91 Time: 14:58

Lab File ID: AD1150STD Init. Calib. Date(s): 6.14.91 6.14.91

Min RRF50 for SPCC(#) = 0.050 Max %D for CCC(*) = 25.0%

COMPOUND		$\overline{RRF}$	RRF50	%D	
Dibenzofuran					
2,4-Dinitrotoluene					
Diethylphthalate					
4-Chlorophenyl-phenylether					
Fluorene					
4-Nitroaniline					
4,6-Dinitro-2-methylphenol					
N-Nitrosodiphenylamine (1)	*	1.221	1.265	3.6	*
4-Bromophenyl-phenylether					
Hexachlorobenzene					
Pentachlorophenol	*	0.112	0.075		*
Phenanthrene					
Anthracene					
Di-n-butylphthalate					
Fluoranthene	*	0.777	0.828	6.6	*
Pyrene					
Butylbenzylphthalate					
3,3'-Dichlorobenzidine					
Benzo(a)anthracene					
Chrysene					
bis(2-Ethylhexyl)phthalate					
Di-n-octylphthalate	*	1.367	1.776		*
Benzo(b)fluoranthene					
Benzo(k)fluoranthene					
Benzo(a)pyrene	*	1.089	1.135	4.2	*
Indeno(1,2,3-cd)pyrene					
Dibenz(a,h)anthracene					
Benzo(g,h,i)perylene					
Nitrobenzene-d5					
2-Fluorobiphenyl					
Terphenyl-d14					
Phenol-d6					
2-Fluorophenol					
2,4,6-Tribromophenol					

(1) Cannot be separated from Diphenylamine

7B

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: _____ Contract: _____

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: _____

Instrument ID: _____ Calibration Date: _____ Time: _____

Lab File ID: AD1150STD Init. Calib. Date(s): _____ _____

Min RRF50 for SPCC(#) = 0.050 Max %D for CCC(*) = 25.0%

COMPOUND		$\overline{RRF}$	RRF50	%D	
Phenol	*	2.389	2.706	13.2	*
bis(2-Chloroethyl)ether					
2-Chlorophenol					
1,3-Dichlorobenzene					
1,4-Dichlorobenzene	*	1.634	1.670	2.2	*
Benzyl alcohol					
1,2-Dichlorobenzene					
2-Methylphenol					
bis(2-Chloroisopropyl)ether					
4-Methylphenol					
N-Nitroso-di-n-propylamine	#	1.782	1.833	2.9	#
Hexachloroethane					
Nitrobenzene					
Isophorone					
2-Nitrophenol	*	0.224	0.233	4.0	*
2,4-Dimethylphenol					
Benzoic acid					
bis(2-Chloroethoxy)methane					
2,4-Dichlorophenol	*	0.330	0.332	0.61	*
1,2,4-Trichlorobenzene					
Naphthalene					
4-Chloroaniline					
Hexachlorobutadiene	*	0.228	0.184	19.3	*
4-Chloro-3-methylphenol	*	0.389	0.420	8.0	*
2-Methylnaphthalene					
Hexachlorocyclopentadiene	#	0.238	0.204	14.3	#
2,4,6-Trichlorophenol	*	0.418	0.412	1.4	*
2,4,5-Trichlorophenol					
2-Chloronaphthalene					
2-Nitroaniline					
Dimethylphthalate					
Acenaphthylene					
2,6-Dinitrotoluene					
3-Nitroaniline					
Acenaphthene	*	1.087	1.061	2.4	*
2,4-Dinitrophenol	#	0.079	0.051	35.4	#
4-Nitrophenol	#	0.132	0.117	11.4	#

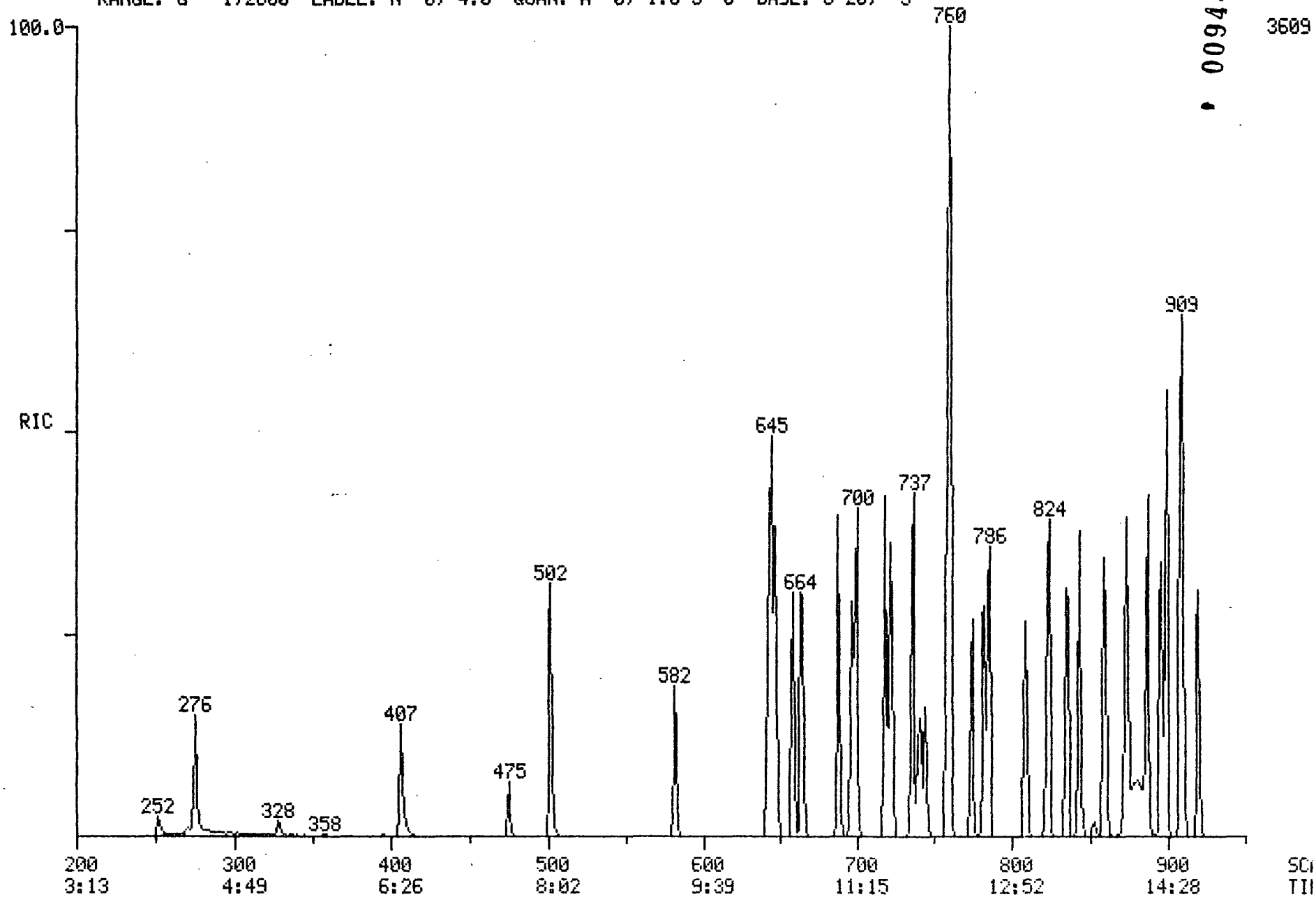
MIDRIC
06/14/91 14:58:00
SAMPLE: SSTD050
CONDS.: MS-B CASE: EOH0022
RANGE: G 1,2800 LABEL: N 0, 4.0 QUAN: A 0, 1.0 J 0 BASE: U 20, 3

DATA: AD1150STD #1
CALI: AD1150STD #2

SCANS 200 TO 950

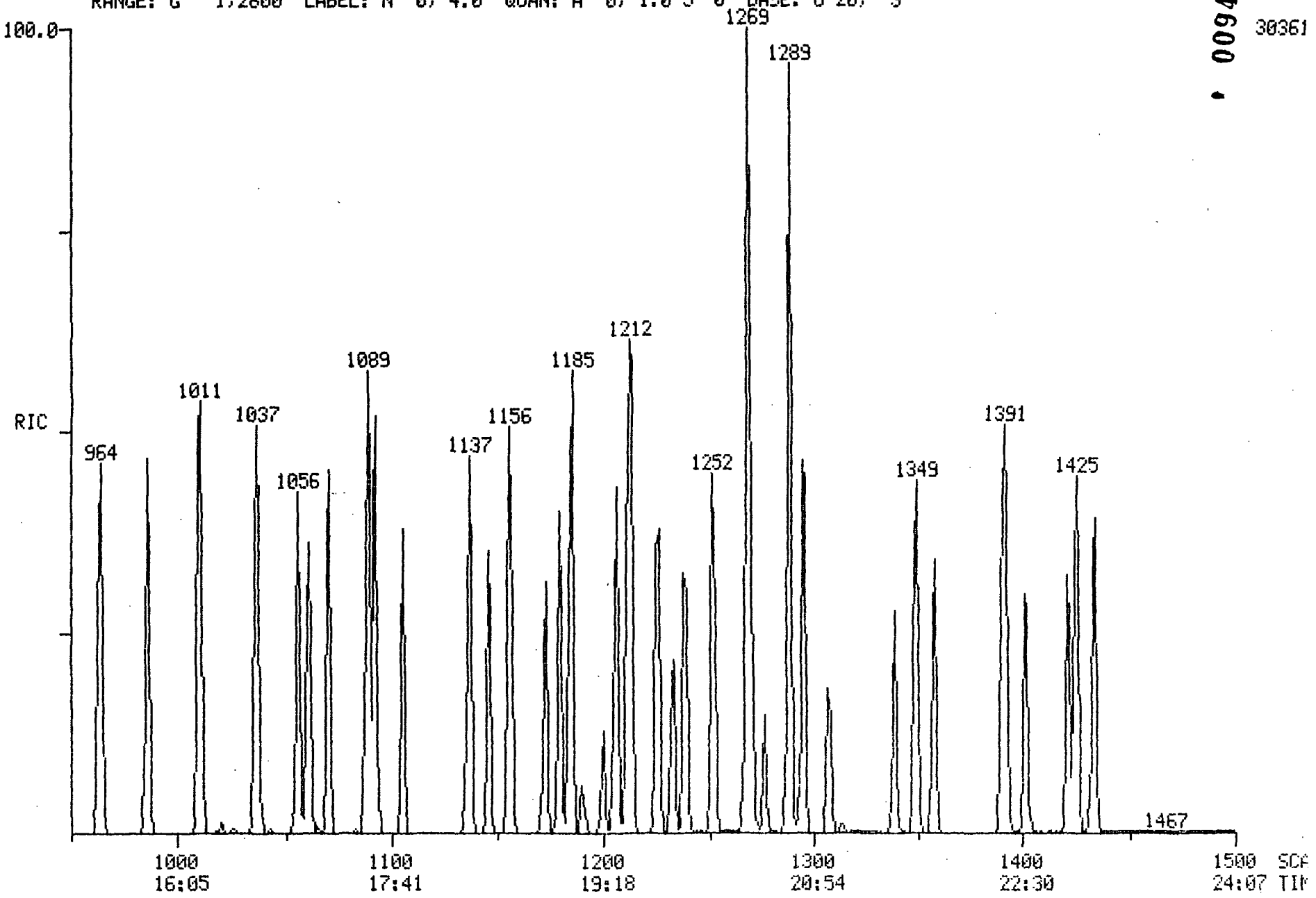
T.J. Marcoux
6-17-91

00944



MIDRIC
06/14/91 14:58:00
SAMPLE: SSTD050
CONDS.: MS-B CASE: EOH0022
RANGE: G 1,2800 LABEL: N 0, 4.0 QUAN: A 0, 1.0 J 0 BASE: U 20, 3

DATA: AD1150STD #1 SCANS 950 TO 1500
CALI: AD1150STD #2

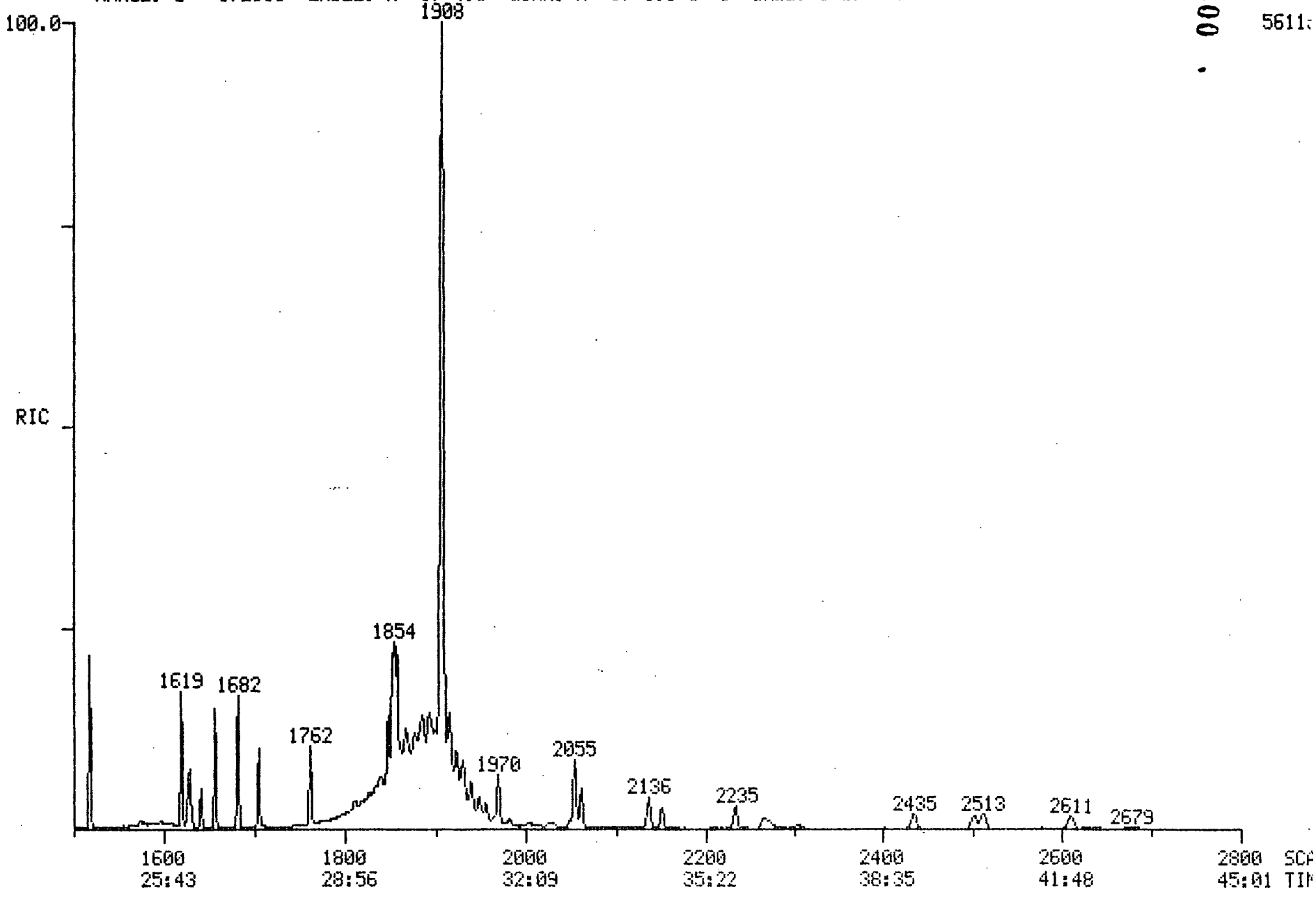


00945

30361

MIDRIC
06/14/91 14:58:00
SAMPLE: SSTD050
CONDS.: MS-B CASE: EOH0022
RANGE: G 1,2800 LABEL: N 0, 4.0 QUAN: A 0, 1.0 J 0 BASE: U 20, 3

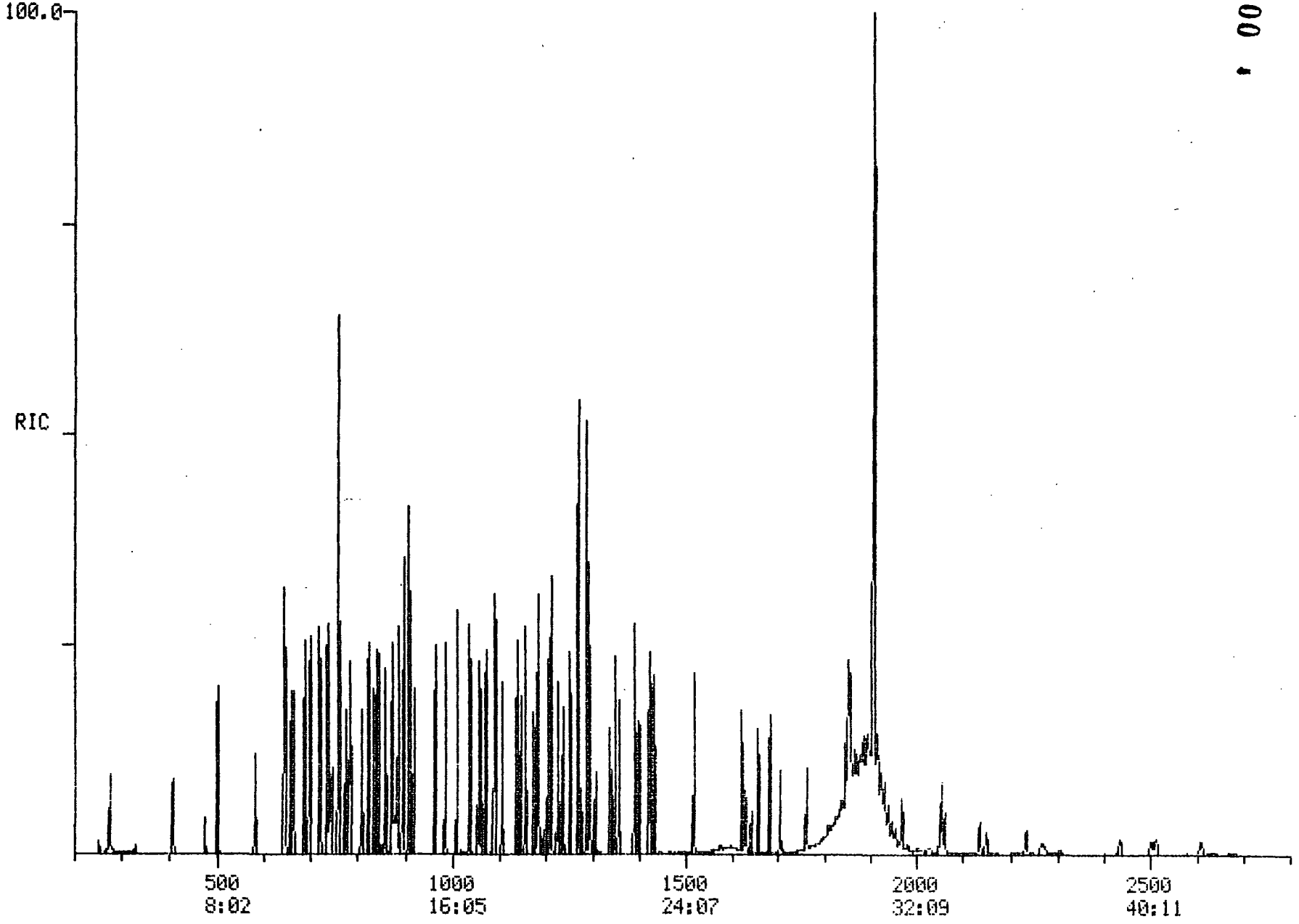
DATA: AD1150STD #1 SCANS 1500 TO 2800
CALI: AD1150STD #2



00946

MIDRIC
06/14/91 14:58:00
SAMPLE: SSTD050
CONDS.: MS-B CASE: EOH0022
RANGE: G 1,2800 LABEL: N 0, 4.0 QUAN: A 0, 1.0 J 0 BASE: U 20, 3

DATA: AD1150STD #1 SCANS 200 TO 2800
CALI: AD1150STD #2



00947

56115

PROCEDURE: TCA DIAGNOSTIC REPORT 6/15/91 16:25:44
DATA FILE: AD1150STD
REFERENCE: 82711
NAME LIST: 8270 INITIALIZATION OPTION: 4 PROCESSING OPTION: 3
REPORT: DSISTD

< ---- STANDARDS ----- ><				--- PLUS UNKNOWNS --- ><				- LIST NAMES - >
PROC	USED	POSS	RMS	PROC	USED	POSS	RMS	STANDARD/UNKNOWN
6	4	1	236	12	12	1	173	DSISTD/DSSURR
6	6	1	168	21	21	48	126	DSISTD/82701
6	6	1	168	21	21	1	83	DSISTD/82702
6	6	1	168	21	19	16	328	DSISTD/82703
6	6	1	168	21	21	4	340	DSISTD/82704
6	6	1	168	21	19	8	428	DSISTD/82705
6	6	1	168	21	20	16	749	DSISTD/82706

102 COMPOUNDS PROCESSED, 95 FOUND

< COMPOUND ><			---------- SEARCH ---------- >< SAT >< ------ CHRO ------- >										
NO	LIB	ENTRY	REF	PRED	SEL	DELTA	PEAKS	FIT	PEAKS	M/Z	TOP	DELTA	PEAKS
1	DS	1	-706	699	697	-2	1	967	.	152	697	.	1
2	DS	2	-905	896	.	.	.	.	.	136	896	.	1
3	DS	3	-1189	1178	1179	1	1	950	.	164	1179	.	1
4	DS	4	-1431	1419	1421	2	1	994	.	188	1421	.	1
5	DS	5	-1864	1849	.	.	.	.	.	240	.	.	.
6	DS	6	-2170	2152	2151	-1	1	954	.	264	2151	.	1
7	DS	7	-510	503	502	-1	1	982	.	112	502	.	1
8	DS	8	-651	644	643	-1	1	946	.	99	643	.	1
9	DS	9	-791	783	783	.	1	976	.	82	782	-1	1
10	DS	10	-1080	1070	1071	1	1	974	.	172	1071	.	1
11	DS	11	-1317	1306	1307	1	1	962	.	330	1307	.	1
12	DS	12	-1692	1679	1682	3	1	984	.	244	1682	.	1
13	DS	13	-285	278	276	-2	1	987	.	42	276	.	1
14	DS	14	-416	409	407	-2	1	997	.	93	407	.	1
15	DS	15	-484	476	475	-1	1	988	.	80	475	.	1
16	DS	16	-590	582	582	.	1	995	.	79	582	.	1
17	DS	17	-653	644	645	1	1	980	.	94	645	.	1
18	DS	18	-656	647	647	.	1	960	.	93	647	.	1
19	DS	19	-667	658	659	1	1	985	.	93	659	.	1
20	DS	20	-673	664	664	.	1	933	.	128	664	.	1
21	DS	21	-697	688	688	.	3	972	.	146	688	.	1
22	DS	22	-731	722	722	.	2	972	.	146	722	.	1
23	DS	23	-727	718	719	1	2	989	.	108	719	.	1
24	DS	24	-731	722	722	.	2	968	.	146	722	.	1
25	DS	25	-745	736	737	1	1	998	.	108	737	.	1
26	DS	26	-750	741	741	.	2	955	.	45	741	.	1
27	DS	27	-745	736	737	1	1	972	.	108	737	.	1
28	DS	28	-769	761	761	.	1	960	.	70	761	.	1
29	DS	29	-784	776	775	-1	1	948	.	117	775	.	1
30	DS	30	-768	760	760	.	1	975	.	105	760	.	1
31	DS	31	-794	786	786	.	1	952	.	77	786	.	1
32	DS	32	-818	810	809	-1	1	992	.	42	809	.	1
33	DS	33	-832	823	824	1	1	970	.	82	824	.	1
34	DS	34	-844	835	835	.	1	972	.	139	835	.	1
35	DS	35	-852	843	843	.	1	976	.	122	840	.	1
36	DS	36	-868	859	859	.	1	961	.	93	859	.	1
37	DS	39	-882	873	873	.	1	993	.	162	873	.	1
38	DS	40	-896	887	887	.	1	970	.	180	887	.	1
39	DS	41	-908	899	899	.	1	975	.	128	899	.	1

41	DS	43	-918	907	907	.	1	972	.	182	907	.	1
42	DS	44	-929	920	920	.	1	954	.	225	920	.	1
43	DS	45	-973	966	964	-2	1	987	.	84	964	.	1
44	DS	46	-995	988	.	.	.	.	.	107	986	.	1
45	DS	47	-1020	1013	1010	-3	1	970	.	142	1010	.	1
46	DS	48	-1047	1040	1037	-3	1	988	.	216	1037	.	1
47	DS	49	-1045	1038	.	.	.	.	.	237	1036	.	1
48	DS	50	-1065	1058	1056	-2	2	957	.	196	1056	.	1
49	DS	51	-1070	1063	1061	-2	2	966	.	196	1061	.	1
50	DS	52	-1098	1090	1089	-1	2	981	.	162	1089	.	1
51	DS	53	-1093	1086	1089	3	2	990	.	162	1089	.	1
52	DS	54	-1110	1102	1106	4	1	951	.	65	1106	.	1
53	DS	55	-1141	1133	1137	4	1	965	.	163	1137	.	1
54	DS	56	-1150	1142	1146	4	1	974	.	165	1146	.	1
55	DS	57	-1160	1152	1156	4	1	970	.	152	1156	.	1
56	DS	58	-1177	1169	1173	4	1	977	.	138	1173	.	1
57	DS	59	-1189	1181	1185	4	1	967	.	154	1185	.	1
58	DS	60	-1194	1188	1190	2	1	977	.	184	1190	.	1
59	DS	61	-1203	1197	1200	3	1	964	.	139	1200	.	1
60	DS	62	-1217	1211	1213	2	1	948	.	168	1213	.	1
61	DS	63	-1216	1210	1212	2	1	923	.	165	1211	-1	1
62	DS	64	-1210	1204	1206	2	1	993	.	250	1206	.	1
63	DS	65	-1230	1224	1225	1	2	993	.	143	1225	.	1
64	DS	66	-1236	1230	1233	3	1	993	.	232	1232	-1	1
65	DS	67	-1243	1237	1238	1	2	997	.	143	1238	.	1
66	DS	68	-1256	1250	1252	2	1	980	.	149	1252	.	1
67	DS	69	-1273	1267	1269	2	1	935	.	204	1269	.	1
68	DS	70	-1273	1267	1269	2	1	949	.	166	1269	.	1
69	DS	71	-1276	1270	1271	1	1	964	.	138	1271	.	1
70	DS	72	-1281	1275	1277	2	1	946	.	198	1277	.	1
71	DS	73	-1293	1287	1289	2	1	990	.	169	1289	.	1
72	DS	74	-1299	1293	1295	2	1	971	.	77	1295	.	1
73	DS	75	-1353	1347	1349	2	1	955	.	248	1349	.	1
74	DS	76	-1343	1337	1339	2	1	993	.	108	1339	.	1
75	DS	78	-1362	1356	1358	2	1	968	.	284	1357	-1	1
76	DS	79	-1395	1389	1391	2	1	920	.	169	1391	.	1
77	DS	81	-1394	1388	.	.	.	.	.	266	1390	.	1
78	DS	83	-1405	1399	1401	2	1	974	.	173	1401	.	1
79	DS	84	-1396	1390	.	.	.	.	.	295	1392	.	1
80	DS	85	-1430	1423	1425	2	2	993	.	178	1425	.	1
81	DS	86	-1438	1431	1434	3	2	922	.	178	1434	.	1
82	DS	89	-1522	1515	1518	3	1	991	.	149	1518	.	1
83	DS	92	-1624	1617	1619	2	1	991	.	202	1619	.	1
84	DS	93	-1661	1654	1656	2	2	996	.	202	1656	.	1
85	DS	96	-1645	1638	1641	3	1	989	.	184	1641	.	1
86	DS	98	-1709	1701	1705	4	1	971	.	120	1705	.	1
87	DS	103	-1766	1758	1762	4	1	931	.	149	1762	.	1
88	DS	108	-1851	1837	1847	10	1	969	.	252	1846	-1	1
89	DS	109	-1862	1848	1851	3	2	981	.	228	1851	.	1
90	DS	110	-1862	1848	1851	3	2	969	.	228	1851	.	1
91	DS	111	-1858	1844	1854	10	1	939	.	149	1854	.	1
92	DS	112	-1976	1962	1970	8	1	953	.	149	1970	.	1
93	DS	113	-2064	2050	2054	4	1	940	.	256	2054	.	1
94	DS	114	-2066	2052	2055	3	2	968	.	252	2055	.	1
95	DS	115	-2072	2058	2055	-3	2	970	.	252	2055	.	1
96	DS	116	-2148	2133	2136	3	1	962	.	252	2136	.	1
97	DS	117	-2249	2234	2234	.	1	955	.	268	2235	1	1
98	DS	118	-2525	2509	2502	-7	1	932	.	276	2502	.	1
99	DS	119	-2536	2520	.	.	.	.	.	278	.	.	.
100	DS	120	-2637	2621	2611	-10	1	969	.	276	2611	.	1
101	DS	128	-2455	2440	2435	-5	1	948	.	279	2435	.	1
102	DS	37	-886	875	853	-22	1	965	.	122	853	.	1

00949

Quantitation Report File: AD1150STD

Data: AD1150STD.TI
06/14/91 14:58:00
Sample: SSTD050
Conds.: MS-B CASE: EOH0022
Submitted by: Analyst: JOHNSON

AMOUNT=AREA * REF AMNT/(REF AREA * RESP FACT)
Resp. fac. from Library Entry

No	Name
1	ISTD D4-1,4-DICHLOROBENZENE
2	ISTD D-8-NAPHTHALENE
3	ISTD ACENAPHTHENE-D10
4	INTERNAL STANDARD D-10-PHENANTHRENE
5	INTERNAL STANDARD D-12-CHRYSENE
6	ISTD D-12 PERYLENE
7	SURROGATE 2-FLUOROPHENOL
8	SURROGATE D-6-PHENOL
9	SURROGATE D5-NITROBENZENE
10	SURROGATE 2-FLUOROBIPHENYL
11	SURROGATE STANDARD 2,4,6-TRIBROMOPHENOL
12	SURROGATE STANDARD P-TERPHENYL D-14
13	N-NITROSODIMETHYLAMINE
14	2-PICOLINE
15	METHYL METHANESULFONATE
16	ETHYL METHANESULFONATE
17	C315 PHENOL
18	ANILINE
19	BIS(2-CHLOROETHYL)ETHER
20	2-CHLOROPHENOL
21	1,3-DICHLOROBENZENE
22	1,4-DICHLOROBENZENE
23	BENZYL ALCOHOL
24	1,2-DICHLOROBENZENE
25	2-METHYLPHENOL
26	BIS(2-CHLOROISOPROPYL)ETHER
27	4-METHYLPHENOL
28	N-NITROSO-DI-N-PROPYLAMINE
29	HEXACHLOROETHANE
30	ACETOPHENONE
31	NITROBENZENE
32	N-NITROSOPIPERIDINE
33	ISOPHORONE
34	2-NITROPHENOL
35	2,4-DIMETHYLPHENOL
36	BIS(2-CHLOROETHOXY)METHANE
37	BENZOIC ACID
38	2,4-DICHLOROPHENOL
39	1,2,4-TRICHLOROBENZENE
40	NAPHTHALENE
41	4-CHLOROANILINE
42	2,6-DICHLOROPHENOL
43	HEXACHLOROBUTADIENE
44	N-NITROSO-DI-N-BUTYLAMINE
45	4-CHLORO-3-METHYLPHENOL
46	2-METHYL NAPHTHALENE
47	1,2,4,5-TETRACHLOROBENZENE

47 2,4,6-TRICHLOROPHENOL
50 2,4,5-TRICHLOROPHENOL

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount	%Tot
1	152	697	11:12	1	1.000	A BB	28198.	40.000 UG	0.73
2	136	896	14:24	2	1.000	A BB	102327.	40.000 UG	0.73
3	164	1179	18:57	3	1.000	A BB	57646.	40.000 UG	0.73
4	188	1421	22:51	4	1.000	A BB	83553.	40.000 UG	0.73
5	240	1853	29:47	5	1.000	A BB	36714.	40.000 UG	0.73
6	264	2151	34:35	6	1.000	A BB	27961.	40.000 UG	0.73
7	112	502	8:04	1	0.720	A BB	57636.	50.000 UG	0.91
8	99	643	10:20	1	0.923	A BB	73788.	50.000 UG	0.91
9	82	782	12:34	2	0.873	A BB	85203.	50.000 UG	0.91
10	172	1071	17:13	3	0.908	A BB	86608.	50.000 UG	0.91
11	330	1307	21:01	3	1.109	A BB	10727.	50.000 UG	0.91
12	244	1682	27:02	5	0.908	A BB	75340.	50.000 UG	0.91
13	42	276	4:26	1	0.396	A BB	48047.	50.000 UG	0.91
14	93	407	6:33	1	0.584	A BB	38867.	50.000 UG	0.91
15	80	475	7:38	1	0.681	A BB	19767.	50.000 UG	0.91
16	79	582	9:21	1	0.835	A BB	65260.	50.000 UG	0.91
17	94	645	10:22	1	0.925	A BB	95381.	50.000 UG	0.91
18	93	647	10:24	1	0.928	A BB	98347.	50.000 UG	0.91
19	93	659	10:36	1	0.945	A BV	66969.	50.000 UG	0.91
20	128	664	10:40	1	0.953	A BB	54747.	50.000 UG	0.91
21	146	688	11:04	1	0.987	A BB	57788.	50.000 UG	0.91
22	146	700	11:15	1	1.004	A BB	58877.	50.000 UG	0.91
23	108	719	11:34	1	1.032	A BB	37953.	50.000 UG	0.91
24	146	722	11:36	1	1.036	A BB	56565.	50.000 UG	0.91
25	108	737	11:51	1	1.057	A BB	59530.	50.000 UG	0.91
26	45	741	11:55	1	1.063	A BB	92079.	50.000 UG	0.91
27	108	737	11:51	1	1.057	A BB	59530.	50.000 UG	0.91
28	70	761	12:14	1	1.092	A BB	64599.	50.000 UG	0.91
29	117	775	12:28	1	1.112	A BB	29897.	50.000 UG	0.91
30	105	760	12:13	2	0.848	A BB	98540.	50.000 UG	0.91
31	77	786	12:38	2	0.877	A BB	90073.	50.000 UG	0.91
32	42	809	13:00	2	0.903	A BB	61469.	50.000 UG	0.91
33	82	824	13:15	2	0.920	A BB	155250.	50.000 UG	0.91
34	139	835	13:25	2	0.932	A BB	29756.	50.000 UG	0.91
35	122	843	13:33	2	0.941	A BB	46104.	50.000 UG	0.91
36	93	859	13:49	2	0.959	A BB	88467.	50.000 UG	0.91
37	122	853	13:43	2	0.952	A BV	2963.	50.000 UG	0.91
38	162	873	14:02	2	0.974	A BB	42402.	50.000 UG	0.91
39	180	887	14:16	2	0.990	A BB	44449.	50.000 UG	0.91
40	128	899	14:27	2	1.003	A BB	158527.	50.000 UG	0.91
41	127	908	14:36	2	1.013	A BB	69143.	50.000 UG	0.91
42	162	909	14:37	2	1.015	A BB	40187.	50.000 UG	0.91
43	225	920	14:47	2	1.027	A BB	23563.	50.000 UG	0.91
44	84	964	15:30	2	1.076	A BB	53469.	50.000 UG	0.91
45	107	986	15:51	2	1.100	A BB	53702.	50.000 UG	0.91
46	142	1010	16:14	2	1.127	A BB	96157.	50.000 UG	0.91
47	216	1037	16:40	3	0.880	A BB	44969.	50.000 UG	0.91
48	237	1036	16:39	3	0.879	A BB	14671.	50.000 UG	0.91
49	196	1056	16:59	3	0.896	A BV	29676.	50.000 UG	0.91
50	196	1061	17:03	3	0.900	A VB	26141.	50.000 UG	0.91

No	Ret(L)	Ratio	RRT(L)	Ratio	Amnt	Amnt(L)	R.Fac	R.Fac(L)	Ratio
1	10:59	1.02	1.000	1.00	40.00	40.00	1.000	1.000	1.00
2	14:11	1.02	1.000	1.00	40.00	40.00	1.000	1.000	1.00
3	18:44	1.01	1.000	1.00	40.00	40.00	1.000	1.000	1.00
4	22:37	1.01	1.000	1.00	40.00	40.00	1.000	1.000	1.00
5	29:34	1.01	1.000	1.00	40.00	40.00	1.000	1.000	1.00
6	34:20	1.01	1.000	1.00	40.00	40.00	1.000	1.000	1.00
7	7:51	1.03	0.714	1.01	50.00	50.00	1.635	1.635	1.00
8	10:08	1.02	0.922	1.00	50.00	50.00	2.093	2.093	1.00
9	12:22	1.02	0.872	1.00	50.00	50.00	0.666	0.666	1.00

11	20:40	1.01	1.111	1.00	50.00	50.00	0.147	0.147	1.00
12	26:49	1.01	0.907	1.00	50.00	50.00	1.642	1.642	1.00
13	4:14	1.05	0.385	1.03	50.00	50.00	1.363	1.363	1.00
14	6:19	1.04	0.575	1.01	50.00	50.00	1.103	1.103	1.00
15	7:26	1.03	0.676	1.01	50.00	50.00	0.561	0.561	1.00
16	9:09	1.02	0.833	1.00	50.00	50.00	1.851	1.851	1.00
17	10:10	1.02	0.925	1.00	50.00	50.00	2.706	2.706	1.00
18	10:12	1.02	0.928	1.00	50.00	50.00	2.790	2.790	1.00
19	10:23	1.02	0.946	1.00	50.00	50.00	1.900	1.900	1.00
20	10:28	1.02	0.953	1.00	50.00	50.00	1.553	1.553	1.00
21	10:50	1.02	0.987	1.00	50.00	50.00	1.639	1.639	1.00
22	11:02	1.02	1.004	1.00	50.00	50.00	1.670	1.670	1.00
23	11:21	1.02	1.034	1.00	50.00	50.00	1.077	1.077	1.00
24	11:23	1.02	1.037	1.00	50.00	50.00	1.605	1.605	1.00
25	11:37	1.02	1.059	1.00	50.00	50.00	1.689	1.689	1.00
26	11:41	1.02	1.064	1.00	50.00	50.00	2.612	2.612	1.00
27	11:37	1.02	1.059	1.00	50.00	50.00	1.689	1.689	1.00
28	12:02	1.02	1.097	1.00	50.00	50.00	1.833	1.833	1.00
29	12:14	1.02	1.114	1.00	50.00	50.00	0.848	0.848	1.00
30	12:01	1.02	0.847	1.00	50.00	50.00	0.770	0.770	1.00
31	12:26	1.02	0.876	1.00	50.00	50.00	0.704	0.704	1.00
32	12:49	1.02	0.904	1.00	50.00	50.00	0.481	0.481	1.00
33	13:02	1.02	0.920	1.00	50.00	50.00	1.214	1.214	1.00
34	13:13	1.02	0.932	1.00	50.00	50.00	0.233	0.233	1.00
35	13:21	1.02	0.941	1.00	50.00	50.00	0.360	0.360	1.00
36	13:36	1.02	0.959	1.00	50.00	50.00	0.692	0.692	1.00
37	13:37	1.01	0.960	0.99	50.00	50.00	0.023	0.023	1.00
38	13:50	1.02	0.975	1.00	50.00	50.00	0.332	0.332	1.00
39	14:02	1.02	0.990	1.00	50.00	50.00	0.348	0.348	1.00
40	14:14	1.02	1.003	1.00	50.00	50.00	1.239	1.239	1.00
41	14:23	1.01	1.015	1.00	50.00	50.00	0.541	0.541	1.00
42	14:24	1.01	1.016	1.00	50.00	50.00	0.314	0.314	1.00
43	14:34	1.02	1.027	1.00	50.00	50.00	0.184	0.184	1.00
44	15:17	1.01	1.078	1.00	50.00	50.00	0.418	0.418	1.00
45	15:39	1.01	1.103	1.00	50.00	50.00	0.420	0.420	1.00
46	16:02	1.01	1.130	1.00	50.00	50.00	0.752	0.752	1.00
47	16:28	1.01	0.879	1.00	50.00	50.00	0.624	0.624	1.00
48	16:26	1.01	0.877	1.00	50.00	50.00	0.204	0.204	1.00
49	16:45	1.01	0.894	1.00	50.00	50.00	0.412	0.412	1.00
50	16:51	1.01	0.900	1.00	50.00	50.00	0.363	0.363	1.00

Quantitation Report File: AD1150STD

Data: AD1150STD.TI
06/14/91 14:58:00
Sample: SSTD050
Conds.: MS-B CASE: EOH0022
Submitted by: Analyst: JOHNSON

AMOUNT=AREA * REF AMNT/(REF AREA * RESP FACT)
Resp. fac. from Library Entry

No	Name
51	2-CHLORONAPHTHALENE
52	1-CHLORONAPHTHALENE
53	2-NITROANILINE
54	DIMETHYL PHTHALATE
55	2,6-DINITROTOLUENE
56	ACENAPHTHYLENE
57	3-NITROANILINE
58	ACENAPHTHENE
59	2,4-DINITROPHENOL
60	4-NITROPHENOL
61	DIBENZOFURAN
62	2,4-DINITROTOLUENE
63	PENTACHLOROBENZENE
64	1-NAPHTHYLAMINE
65	2,3,4,6-TETRACHLOROPHENOL
66	2-NAPHTHYLAMINE
67	DIETHYL PHTHALATE
68	4-CHLOROPHENYL PHENYL ETHER
69	FLUORENE
70	4-NITROANILINE
71	4,6-DINITRO-2-METHYLPHENOL
72	N-NITROSODIPHENYLAMINE
73	1,2-DIPHENYLHYDRAZINE
74	4-BROMOPHENYL PHENYL ETHER
75	PHENACETIN
76	HEXACHLOROBENZENE
77	4-AMINOBIPHENYL
78	PENTACHLOROPHENOL
79	PRONAMIDE (PROPYZAMIDE)
80	PENTACHLORONITROBENZENE
81	PHENANTHRENE
82	ANTHRACENE
83	DI-N-BUTYL PHTHALATE
84	FLUORANTHENE
85	PYRENE
86	BENZIDINE
87	P-DIMETHYLAMINOAZOBENZENE
88	BUTYL BENZYL PHTHALATE
89	3,3'-DICHLOROBENZIDINE
90	BENZO(A)ANTHRACENE
91	CHRYSENE
92	BIS(2-ETHYLHEXYL)PHTHALATE
93	DI-N-OCTYL PHTHALATE
94	7,12-DIMETHYLBENZ(A)ANTHRACENE
95	BENZO(B)FLUORANTHENE
96	BENZO(K)FLUORANTHENE
97	BENZO(A)PYRENE

100 DIBENZ(A,H)ANTHRACENE

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount	%Tot
51	162	1093	17:34	3	0.927	M XX	81507.	50.000 UG	0.91
52	162	1089	17:30	3	0.924	M XX	109810.	50.000 UG	0.91
53	65	1106	17:47	3	0.938	A BB	45736.	50.000 UG	0.91
54	163	1137	18:17	3	0.964	A BB	105791.	50.000 UG	0.91
55	165	1146	18:25	3	0.972	A BB	21227.	50.000 UG	0.91
56	152	1156	18:35	3	0.980	A BB	131092.	50.000 UG	0.91
57	138	1173	18:51	3	0.995	A BB	21740.	50.000 UG	0.91
58	154	1185	19:03	3	1.005	A BV	76464.	50.000 UG	0.91
59	184	1190	19:08	3	1.009	A BB	3646.	50.000 UG	0.91
60	139	1200	19:18	3	1.018	A BB	8433.	50.000 UG	0.91
61	168	1213	19:30	3	1.029	A BB	125429.	50.000 UG	0.91
62	165	1211	19:28	3	1.027	A BB	26940.	50.000 UG	0.91
63	250	1206	19:23	3	1.023	A BB	40036.	50.000 UG	0.91
64	143	1225	19:42	3	1.039	A BV	80427.	50.000 UG	0.91
65	232	1232	19:48	3	1.045	A BB	16285.	50.000 UG	0.91
66	143	1238	19:54	3	1.050	A VB	69709.	50.000 UG	0.91
67	149	1252	20:08	3	1.062	A BB	107461.	50.000 UG	0.91
68	204	1269	20:24	3	1.076	A BB	45111.	50.000 UG	0.91
69	166	1269	20:24	3	1.076	A BB	97217.	50.000 UG	0.91
70	138	1271	20:26	3	1.078	A BB	17388.	50.000 UG	0.91
71	198	1277	20:32	4	0.899	A BB	9156.	50.000 UG	0.91
72	169	1289	20:43	4	0.907	A BB	132131.	50.000 UG	0.91
73	77	1295	20:49	4	0.911	A VB	144525.	50.000 UG	0.91
74	248	1349	21:41	4	0.949	A BB	26449.	50.000 UG	0.91
75	108	1339	21:32	4	0.942	A BB	36140.	50.000 UG	0.91
76	284	1357	21:49	4	0.955	A BB	30043.	50.000 UG	0.91
77	169	1391	22:22	4	0.979	A BB	70152.	50.000 UG	0.91
78	266	1390	22:21	4	0.978	A BB	7859.	50.000 UG	0.91
79	173	1401	22:31	4	0.986	A BB	35188.	50.000 UG	0.91
80	295	1392	22:23	4	0.980	A BB	4198.	50.000 UG	0.91
81	178	1425	22:55	4	1.003	A BV	111215.	50.000 UG	0.91
82	178	1434	23:03	4	1.009	A VB	112011.	50.000 UG	0.91
83	149	1518	24:24	4	1.068	A BB	137155.	50.000 UG	0.91
84	202	1619	26:02	4	1.139	A BB	86458.	50.000 UG	0.91
85	202	1656	26:37	5	0.894	A BB	80679.	50.000 UG	0.91
86	184	1641	26:23	5	0.886	A BB	24486.	50.000 UG	0.91
87	120	1705	27:25	5	0.920	A BB	15735.	50.000 UG	0.91
88	149	1762	28:20	5	0.951	A BB	31387.	50.000 UG	0.91
89	252	1846	29:41	5	0.996	A BB	18314.	50.000 UG	0.91
90	228	1851	29:45	5	0.999	A BV	51933.	50.000 UG	0.91
91	228	1857	29:51	5	1.002	A VB	52489.	50.000 UG	0.91
92	149	1854	29:48	5	1.001	A VV	66076.	50.000 UG	0.91
93	149	1970	31:40	6	0.916	A BB	62087.	50.000 UG	0.91
94	256	2054	33:01	6	0.955	A BB	21008.	50.000 UG	0.91
95	252	2055	33:02	6	0.955	A BV	47211.	50.000 UG	0.91
96	252	2062	33:09	6	0.959	A VB	42967.	50.000 UG	0.91
97	252	2136	34:20	6	0.993	A BV	39670.	50.000 UG	0.91
98	268	2235	35:56	6	1.039	A BB	20504.	50.000 UG	0.91
99	276	2502	40:13	6	1.163	A BV	32344.	50.000 UG	0.91
100	278	2513	40:24	6	1.168	A BB	38419.	50.000 UG	0.91

No	Ret(L)	Ratio	RRT(L)	Ratio	Amnt	Amnt(L)	R.Fac	R.Fac(L)	Ratio
51	17:18	1.02	0.924	1.00	50.00	50.00	1.131	1.131	1.00
52	17:18	1.01	0.924	1.00	50.00	50.00	1.524	1.524	1.00
53	17:34	1.01	0.938	1.00	50.00	50.00	0.635	0.635	1.00
54	18:04	1.01	0.965	1.00	50.00	50.00	1.468	1.468	1.00
55	18:13	1.01	0.973	1.00	50.00	50.00	0.295	0.295	1.00
56	18:22	1.01	0.980	1.00	50.00	50.00	1.819	1.819	1.00
57	18:39	1.01	0.996	1.00	50.00	50.00	0.302	0.302	1.00
58	18:50	1.01	1.005	1.00	50.00	50.00	1.061	1.061	1.00
59	18:55	1.01	1.010	1.00	50.00	50.00	0.051	0.051	1.00

61	17:17	1.01	1.027	1.00	50.00	50.00	1.741	1.741	1.00
62	19:17	1.01	1.029	1.00	50.00	50.00	0.374	0.374	1.00
63	19:10	1.01	1.023	1.00	50.00	50.00	0.556	0.556	1.00
64	19:29	1.01	1.040	1.00	50.00	50.00	1.116	1.116	1.00
65	19:36	1.01	1.046	1.00	50.00	50.00	0.226	0.226	1.00
66	19:42	1.01	1.052	1.00	50.00	50.00	0.967	0.967	1.00
67	19:55	1.01	1.064	1.00	50.00	50.00	1.491	1.491	1.00
68	20:12	1.01	1.078	1.00	50.00	50.00	0.626	0.626	1.00
69	20:11	1.01	1.077	1.00	50.00	50.00	1.349	1.349	1.00
70	20:14	1.01	1.081	1.00	50.00	50.00	0.241	0.241	1.00
71	20:19	1.01	0.898	1.00	50.00	50.00	0.088	0.088	1.00
72	20:31	1.01	0.907	1.00	50.00	50.00	1.265	1.265	1.00
73	20:37	1.01	0.911	1.00	50.00	50.00	1.384	1.384	1.00
74	21:28	1.01	0.949	1.00	50.00	50.00	0.253	0.253	1.00
75	21:20	1.01	0.943	1.00	50.00	50.00	0.346	0.346	1.00
76	21:36	1.01	0.955	1.00	50.00	50.00	0.288	0.288	1.00
77	22:09	1.01	0.979	1.00	50.00	50.00	0.672	0.672	1.00
78	22:07	1.01	0.978	1.00	50.00	50.00	0.075	0.075	1.00
79	22:19	1.01	0.986	1.00	50.00	50.00	0.337	0.337	1.00
80	22:10	1.01	0.980	1.00	50.00	50.00	0.040	0.040	1.00
81	22:42	1.01	1.004	1.00	50.00	50.00	1.065	1.065	1.00
82	22:50	1.01	1.009	1.00	50.00	50.00	1.072	1.072	1.00
83	24:11	1.01	1.069	1.00	50.00	50.00	1.313	1.313	1.00
84	25:48	1.01	1.141	1.00	50.00	50.00	0.828	0.828	1.00
85	26:24	1.01	0.893	1.00	50.00	50.00	1.758	1.758	1.00
86	26:09	1.01	0.885	1.00	50.00	50.00	0.534	0.534	1.00
87	27:11	1.01	0.920	1.00	50.00	50.00	0.343	0.343	1.00
88	28:06	1.01	0.951	1.00	50.00	50.00	0.684	0.684	1.00
89	29:28	1.01	0.997	1.00	50.00	50.00	0.399	0.399	1.00
90	29:32	1.01	0.999	1.00	50.00	50.00	1.132	1.132	1.00
91	29:38	1.01	1.002	1.00	50.00	50.00	1.144	1.144	1.00
92	29:35	1.01	1.001	1.00	50.00	50.00	1.440	1.440	1.00
93	31:26	1.01	0.915	1.00	50.00	50.00	1.776	1.776	1.00
94	32:49	1.01	0.956	1.00	50.00	50.00	0.601	0.601	1.00
95	32:50	1.01	0.956	1.00	50.00	50.00	1.351	1.351	1.00
96	32:56	1.01	0.959	1.00	50.00	50.00	1.229	1.229	1.00
97	34:07	1.01	0.993	1.00	50.00	50.00	1.135	1.135	1.00
98	35:42	1.01	1.040	1.00	50.00	50.00	0.587	0.587	1.00
99	40:11	1.00	1.170	0.99	50.00	50.00	0.925	0.925	1.00
100	40:11	1.01	1.170	1.00	50.00	50.00	1.099	1.099	1.00

Quantitation Report File: AD1150STD

Data: AD1150STD.TI
06/14/91 14:58:00
Sample: SSTD050
Conds.: MS-B CASE: EOH0022
Submitted by: Analyst: JOHNSON

AMOUNT=AREA * REF AMNT/(REF AREA * RESP FACT)
Resp. fac. from Library Entry

No	Name
101	BENZO (G,H,I)PERYLENE
102	DIBENZ(A,J)ACRIDINE

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount	%Tot
101	276	2611	41:59	6	1.214	A BB	32809.	50.000 UG	0.91
102	279	2435	39:09	6	1.132	A BB	29827.	50.000 UG	0.91

No	Ret(L)	Ratio	RRT(L)	Ratio	Amnt	Amnt(L)	R.Fac	R.Fac(L)	Ratio
101	41:46	1.01	1.216	1.00	50.00	50.00	0.939	0.939	1.00
102	38:55	1.01	1.133	1.00	50.00	50.00	0.853	0.853	1.00

7B

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: DATACHEM LABS Contract: 198005

Lab Code: DATAC Case No.: EOH0022 SAS No.: _____ SDG No.: 15585

Instrument ID: MS-B Calibration Date: 6.15.91 Time: 19:36

Lab File ID: AD2850STD Init. Calib. Date(s): 6.14.91 6.14.91

Min RRF50 for SPCC(#) = 0.050 Max %D for CCC(*) = 25.0%

COMPOUND		$\overline{RRF}$	RRF50	%D	
Phenol	*	2.389	2.623	9.8	*
bis(2-Chloroethyl)ether					
2-Chlorophenol					
1,3-Dichlorobenzene					
1,4-Dichlorobenzene	*	1.634	1.740	6.5	*
Benzyl alcohol					
1,2-Dichlorobenzene					
2-Methylphenol					
bis(2-Chloroisopropyl)ether					
4-Methylphenol					
N-Nitroso-di-n-propylamine	#	1.782	2.065	15.9	#
Hexachloroethane					
Nitrobenzene					
Isophorone					
2-Nitrophenol	*	0.224	0.223	0.45	*
2,4-Dimethylphenol					
Benzoic acid					
bis(2-Chloroethoxy)methane					
2,4-Dichlorophenol	*	0.330	0.308	6.7	*
1,2,4-Trichlorobenzene					
Naphthalene					
4-Chloroaniline					
Hexachlorobutadiene	*	0.228	0.173	24.1	*
4-Chloro-3-methylphenol	*	0.389	0.453	16.5	*
2-Methylnaphthalene					
Hexachlorocyclopentadiene	#	0.238	0.156	34.5	#
2,4,6-Trichlorophenol	*	0.418	0.398	4.8	*
2,4,5-Trichlorophenol					
2-Chloronaphthalene					
2-Nitroaniline					
Dimethylphthalate					
Acenaphthylene					
2,6-Dinitrotoluene					
3-Nitroaniline					
Acenaphthene	*	1.087	1.187	12.1	*
2,4-Dinitrophenol	#	0.079	0.058	26.6	#
4-Nitrophenol	#	0.132	0.128	3.0	#

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: _____ Contract: _____

Lab Code: _____ Case No.: EOH00022 SAS No.: _____ SDG No.: _____

Instrument ID: _____ Calibration Date: 6-15-91 Time: 19:36

Lab File ID: AD2850STD Init. Calib. Date(s): _____ _____

Min RRF50 for SPCC(#) = 0.050 Max %D for CCC(*) = 25.0%

COMPOUND		$\overline{RRF}$	RRF50	%D	
Dibenzofuran					
2,4-Dinitrotoluene					
Diethylphthalate					
4-Chlorophenyl-phenylether					
Fluorene					
4-Nitroaniline					
4,6-Dinitro-2-methylphenol					
N-Nitrosodiphenylamine (1)	*	1.221	1.372	12.4	*
4-Bromophenyl-phenylether					
Hexachlorobenzene		0.092	0.079		
Pentachlorophenol	*	~~0.112~~	~~0.050~~	14.1	*
Phenanthrene					
Anthracene					
Di-n-butylphthalate					
Fluoranthene	*	0.777	0.616	20.7	*
Pyrene					
Butylbenzylphthalate					
3,3'-Dichlorobenzidine					
Benzo(a)anthracene					
Chrysene					
bis(2-Ethylhexyl)phthalate					
Di-n-octylphthalate	*	1.367	1.608	17.6	*
Benzo(b)fluoranthene					
Benzo(k)fluoranthene					
Benzo(a)pyrene	*	1.089	1.140	4.7	*
Indeno(1,2,3-cd)pyrene					
Dibenz(a,h)anthracene					
Benzo(g,h,i)perylene					
Nitrobenzene-d5					
2-Fluorobiphenyl					
Terphenyl-d14					
Phenol-d6					
2-Fluorophenol					
2,4,6-Tribromophenol					

(1) Cannot be separated from Diphenylamine

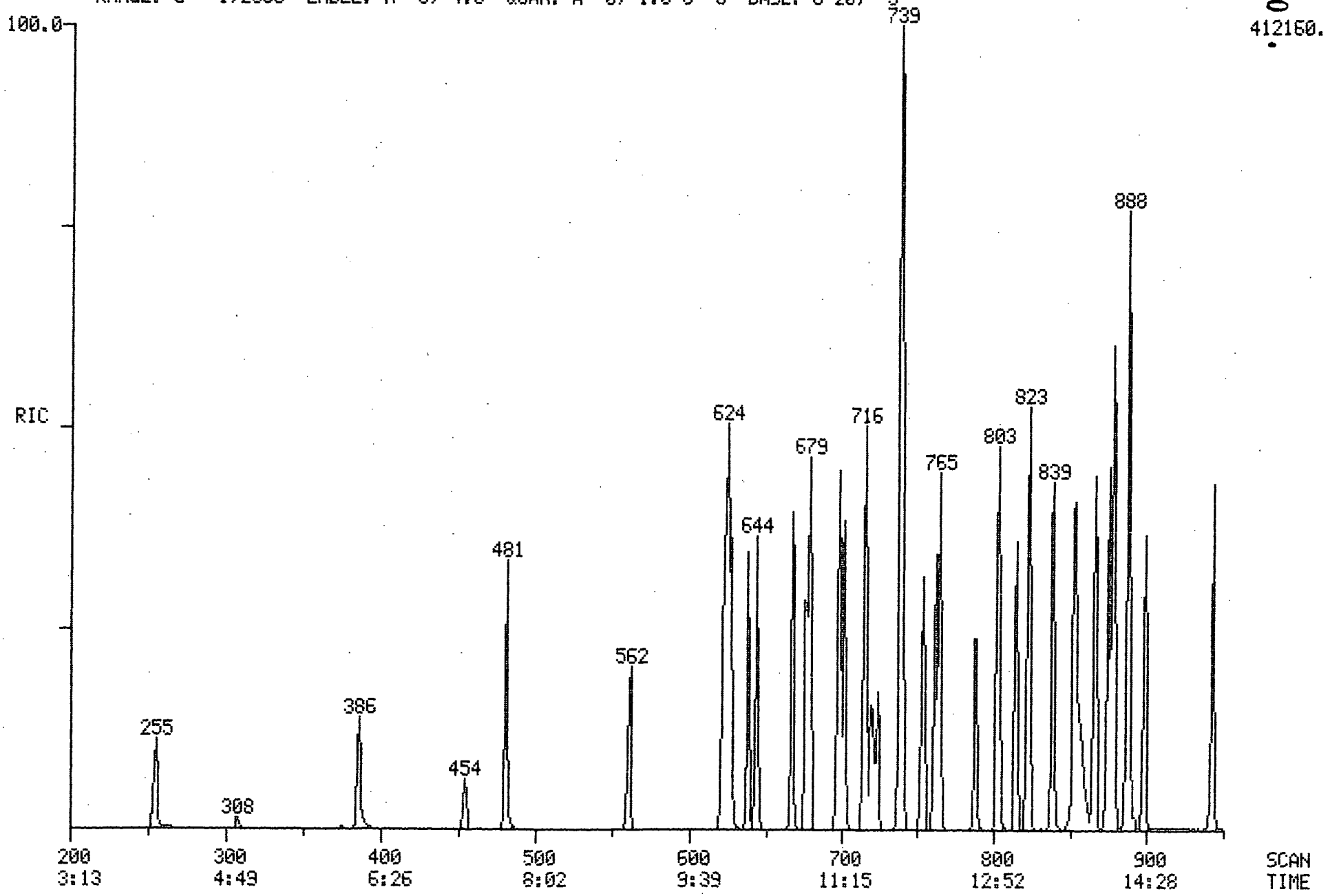
MIDRIC
06/15/91 19:36:00
SAMPLE: SSTD050
CONDS.: MS-B CASE: EOH0022
RANGE: G 1,2800 LABEL: N 0, 4.0 QUAN: A 0, 1.0 J 0 BASE: U 20, 3

DATA: AD2850STD #1
CALI: AD2850STD #2

SCANS 200 TO 950

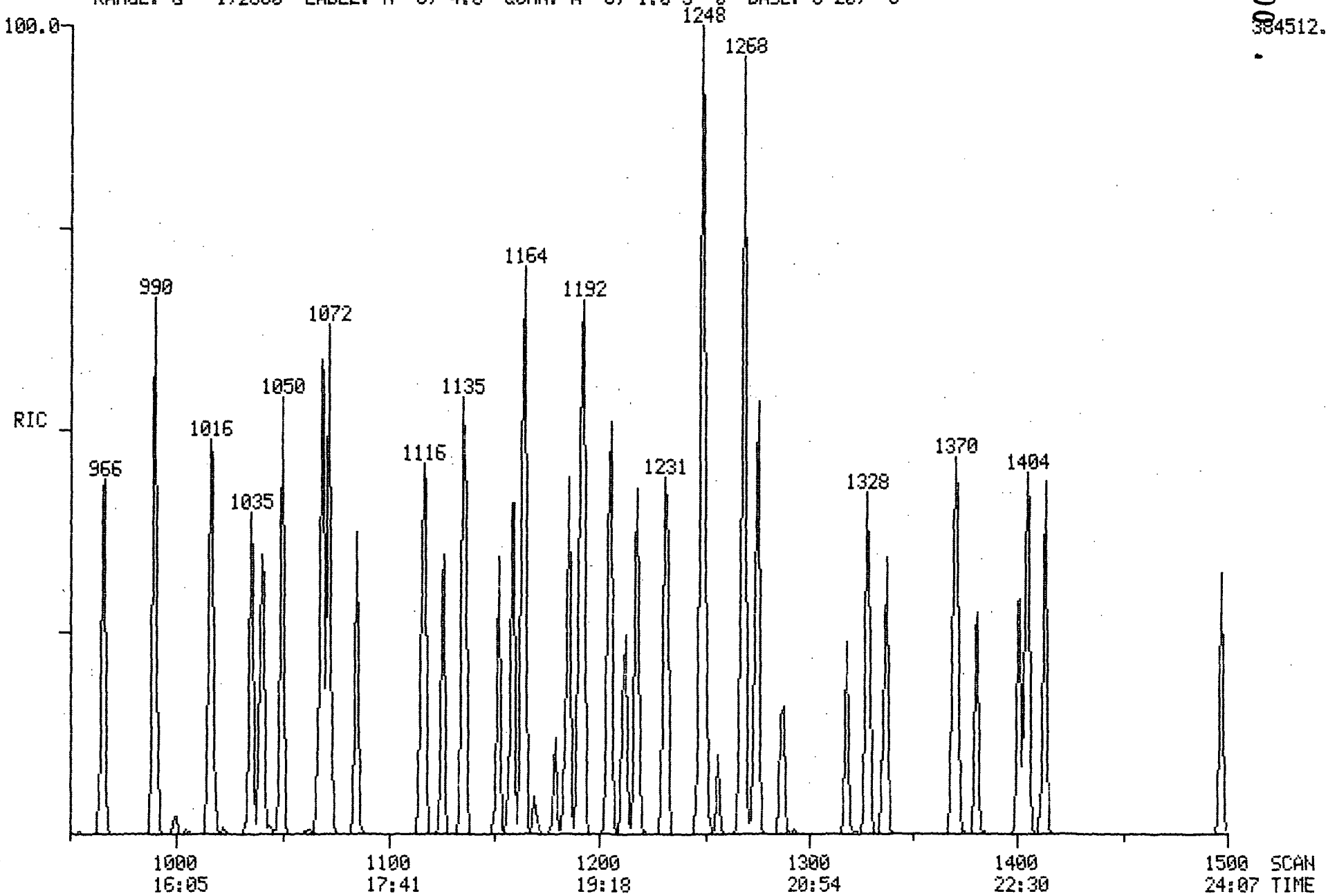
TJ. Musoian
6.18.91

00959



MIDRIC
06/15/91 19:36:00
SAMPLE: SSTD050
CONDS.: MS-B CASE: EOH0022
RANGE: G 1.2800 LABEL: N 0, 4.0 QUAN: A 0, 1.0 J 0 BASE: U 20, 3

DATA: AD2850STD #1 SCANS 950 TO 1500
CALI: AD2850STD #2

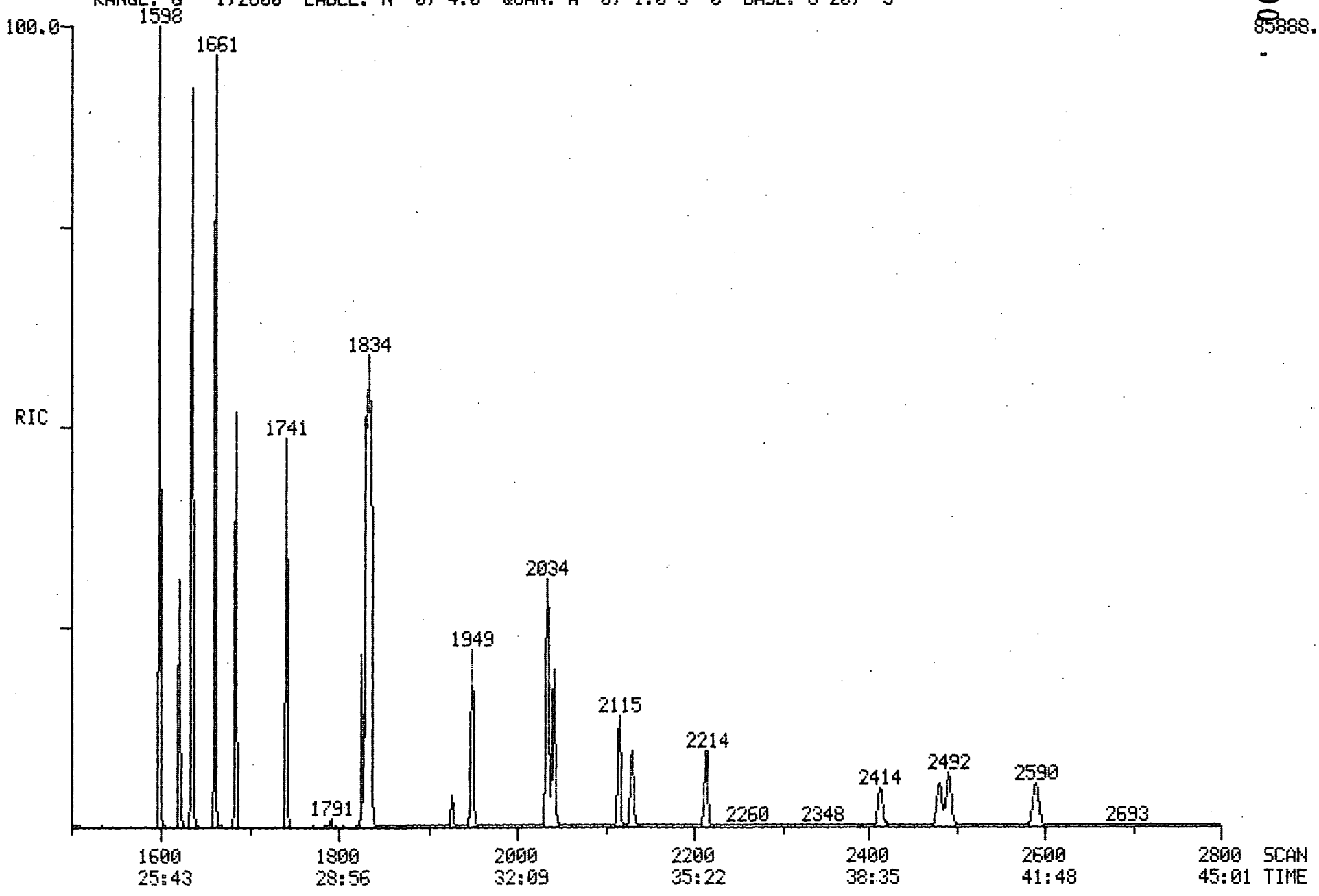


00960

MIDRIC
06/15/91 19:36:00
SAMPLE: SSTD050
CONDS.: MS-B CASE: EOH0022
RANGE: G 1,2800 LABEL: N 0, 4.0 QUAN: A 0, 1.0 J 0 BASE: U 20, 3

DATA: AD2850STD #1
CALI: AD2850STD #2

SCANS 1500 TO 2800

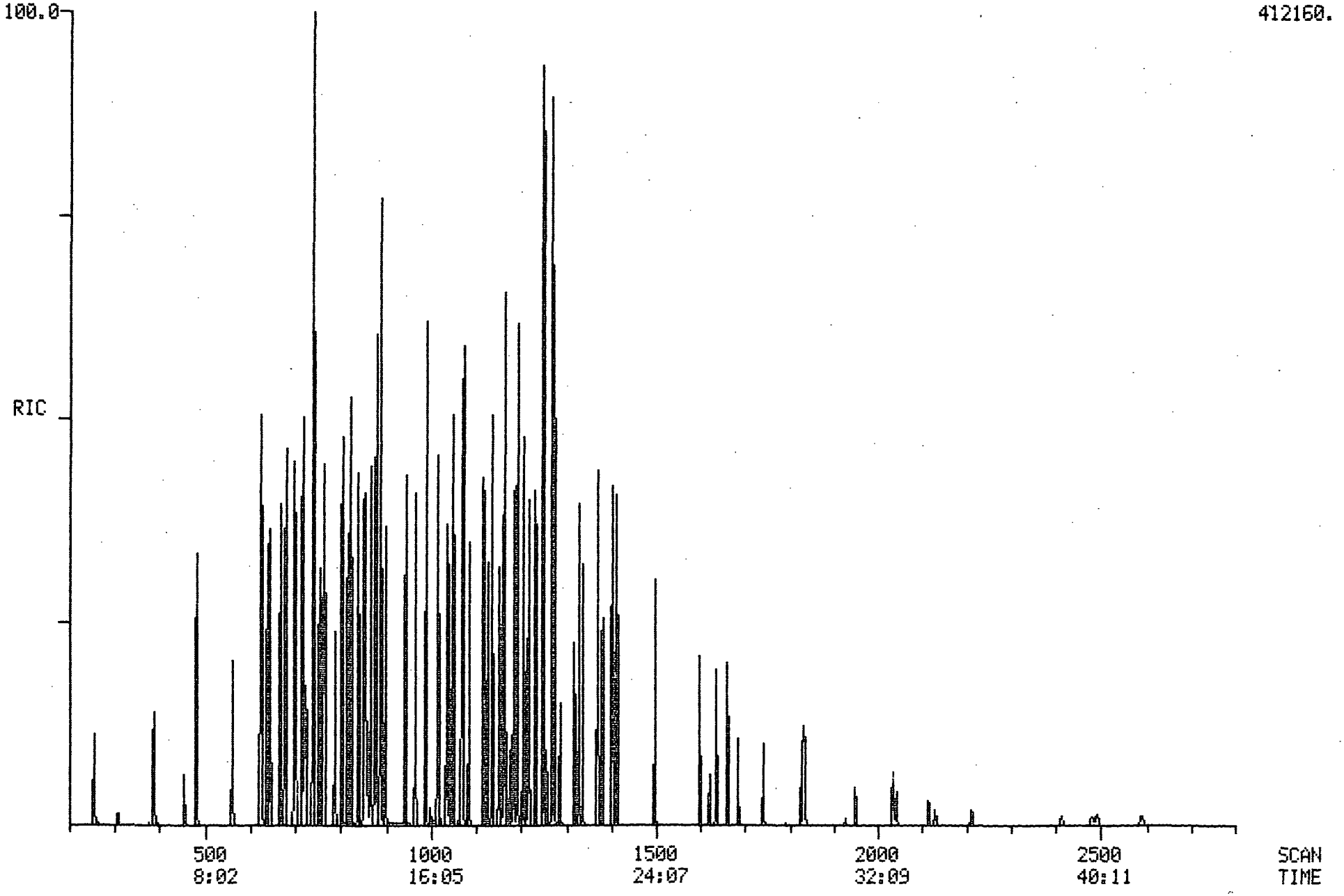


00961
85888.

MIDRIC
06/15/91 19:36:00
SAMPLE: SSTD050
CONDS.: MS-B CASE: EOH0022
RANGE: G 1,2800 LABEL: N 0, 4.0 QUAN: A 0, 1.0 J 0 BASE: U 20, 3

DATA: AD2850STD #1 SCANS 200 TO 2800
CALI: AD2850STD #2

00962



PROCEDURE: TCA DIAGNOSTIC REPORT 6/17/91 0:05:47
DATA FILE: AD2850STD
REFERENCE: 82711
NAME LIST: 8270 INITIALIZATION OPTION: 4 PROCESSING OPTION: 3
REPORT: DSISTD

< ---- STANDARDS ----- ><				--- PLUS UNKNOWNS --- ><				- LIST NAMES - >
PROC	USED	POSS	RMS	PROC	USED	POSS	RMS	STANDARD/UNKNOWN
6	4	1	30	12	12	1	51	DSISTD/DSSURR
6	6	1	27	21	21	96	52	DSISTD/82701
6	6	1	27	21	20	1	65	DSISTD/82702
6	6	1	27	21	19	16	54	DSISTD/82703
6	6	1	27	21	20	4	58	DSISTD/82704
6	6	1	27	21	19	2	218	DSISTD/82705
6	6	1	27	21	17	16	75	DSISTD/82706

102 COMPOUNDS PROCESSED, 90 FOUND

< COMPOUND ><			---------- SEARCH ---------- >< SAT >< ------ CHRO ------											
NO	LIB	ENTRY	REF	PRED	SEL	DELTA	PEAKS	FIT	PEAKS	M/Z	TOP	DELTA	PEAKS
1	DS	1	-683	676	676	.	1	977	.	152	676	.	1
2	DS	2	-882	875	.	.	.	.	.	136	875	.	1
3	DS	3	-1165	1158	1158	.	1	944	.	164	1158	.	1
4	DS	4	-1407	1400	1400	.	1	991	.	188	1400	.	1
5	DS	5	-1839	1833	.	.	.	.	.	240	1832	.	1
6	DS	6	-2136	2130	2130	.	1	902	.	264	2130	.	1
7	DS	7	-488	481	481	.	1	987	.	112	481	.	1
8	DS	8	-630	623	622	-1	1	959	.	99	622	.	1
9	DS	9	-769	762	762	.	1	980	.	82	762	.	1
10	DS	10	-1057	1050	1050	.	1	981	.	172	1050	.	1
11	DS	11	-1294	1287	1286	-1	1	962	.	330	1286	.	1
12	DS	12	-1668	1661	1661	.	1	989	.	244	1661	.	1
13	DS	13	-263	255	255	.	1	988	.	42	255	.	1
14	DS	14	-393	385	386	1	1	998	.	93	386	.	1
15	DS	15	-462	455	454	-1	1	984	.	80	454	.	1
16	DS	16	-569	562	562	.	1	987	.	79	562	.	1
17	DS	17	-632	625	624	-1	1	974	.	94	624	.	1
18	DS	18	-634	627	626	-1	1	959	.	93	626	.	1
19	DS	19	-646	639	638	-1	1	989	.	93	638	.	1
20	DS	20	-651	644	644	.	1	933	.	128	644	.	1
21	DS	21	-674	667	667	.	2	974	.	146	667	.	1
22	DS	22	-686	679	679	.	3	975	.	146	679	.	1
23	DS	23	-706	699	698	-1	2	993	.	108	698	.	1
24	DS	24	-708	701	702	1	2	972	.	146	702	.	1
25	DS	25	-723	716	716	.	2	991	.	108	716	.	1
26	DS	26	-727	720	720	.	2	968	.	45	720	.	1
27	DS	27	-723	716	716	.	1	972	.	108	716	.	1
28	DS	28	-749	741	740	-1	1	977	.	70	740	.	1
29	DS	29	-761	753	754	1	1	962	.	117	754	.	1
30	DS	30	-747	739	739	.	1	990	.	105	739	.	1
31	DS	31	-773	765	765	.	1	963	.	77	765	.	1
32	DS	32	-797	789	788	-1	1	973	.	42	789	1	1
33	DS	33	-811	803	803	.	1	981	-1	82	803	.	1
34	DS	34	-822	814	815	1	1	976	.	139	815	.	1
35	DS	35	-830	823	823	.	1	975	.	122	823	.	1
36	DS	36	-846	839	839	.	1	935	.	93	839	.	1
37	DS	39	-860	853	852	-1	1	990	.	162	852	.	1
38	DS	40	-873	866	866	.	1	969	.	180	866	.	1
39	DS	41	-885	878	878	.	1	975	-1	128	878	.	1
40	DS	42	-895	888	.	.	.	.	.	127	888	.	1
41	DS	43	-896	889	889	.	1	982	.	162	889	.	1
42	DS	44	-906	899	899	.	1	972	.	225	899	.	1
43	DS	45	-951	943	943		1	963		84	943		1

44	DS	46	-973	966	.	.	.	.	.	107	965	.	1
45	DS	47	-997	990	990	.	1	955	.	142	990	.	1
46	DS	48	-1024	1017	1017	.	1	989	.	216	1016	-1	1
47	DS	49	-1022	1015	.	.	.	.	.	237	1015	.	1
48	DS	50	-1042	1035	1035	.	2	960	.	196	1035	.	1
49	DS	51	-1048	1041	1040	-1	2	972	.	196	1040	.	1
50	DS	52	-1076	1069	1068	-1	2	979	.	162	1068	.	1
51	DS	53	-1076	1069	1068	-1	2	996	.	162	1068	.	1
52	DS	54	-1093	1086	1085	-1	1	968	.	65	1085	.	1
53	DS	55	-1124	1117	1116	-1	1	975	.	163	1116	.	1
54	DS	56	-1133	1126	1126	.	1	965	.	165	1125	-1	1
55	DS	57	-1142	1135	1135	.	1	964	.	152	1135	.	1
56	DS	58	-1160	1153	1152	-1	1	982	.	138	1152	.	1
57	DS	59	-1171	1164	1164	.	1	952	.	154	1164	.	1
58	DS	60	-1177	1170	1169	-1	1	975	.	184	1169	.	1
59	DS	61	-1187	1180	1179	-1	1	980	.	139	1179	.	1
60	DS	62	-1199	1192	1192	.	1	935	.	168	1192	.	1
61	DS	63	-1199	1192	1191	-1	1	949	.	165	1191	.	1
62	DS	64	-1192	1185	1185	.	1	987	.	250	1185	.	1
63	DS	65	-1212	1205	1205	.	2	997	.	143	1205	.	1
64	DS	66	-1219	1212	1212	.	1	991	.	232	1212	.	1
65	DS	67	-1225	1218	1218	.	2	992	.	143	1218	.	1
66	DS	68	-1239	1232	1231	-1	1	992	.	149	1231	.	1
67	DS	69	-1256	1249	1249	.	1	935	.	204	1249	.	1
68	DS	70	-1255	1248	.	.	.	.	.	166	1248	.	1
69	DS	71	-1259	1252	1251	-1	1	977	.	138	1251	.	1
70	DS	72	-1264	1257	1256	-1	1	960	.	198	1256	.	1
71	DS	73	-1276	1269	1268	-1	1	987	.	169	1268	.	1
72	DS	74	-1282	1275	1275	.	1	970	-1	77	1275	.	1
73	DS	75	-1335	1327	1328	1	1	962	.	248	1328	.	1
74	DS	76	-1327	1319	1318	-1	1	980	.	108	1318	.	1
75	DS	78	-1344	1336	1337	1	1	975	.	284	1337	.	1
76	DS	79	-1378	1370	1370	.	1	941	.	169	1370	.	1
77	DS	81	-1376	1368	.	.	.	.	.	266	1369	.	1
78	DS	83	-1388	1380	1381	1	1	980	.	173	1381	.	1
79	DS	84	-1379	1371	.	.	.	.	.	295	1371	.	1
80	DS	85	-1412	1404	1404	.	2	977	.	178	1404	.	1
81	DS	86	-1420	1412	1404	-8	1	908	.	178	1404	.	1
82	DS	89	-1504	1496	1497	1	1	996	.	149	1497	.	1
83	DS	92	-1605	1598	1598	.	1	989	.	202	1598	.	1
84	DS	93	-1642	1635	1635	.	1	987	.	202	1635	.	1
85	DS	96	-1627	1620	1620	.	1	990	.	184	1620	.	1
86	DS	98	-1691	1684	1684	.	1	970	.	120	1684	.	1
87	DS	103	-1748	1741	1741	.	1	922	.	149	1741	.	1
88	DS	108	-1833	1826	1826	.	1	982	.	252	1826	.	1
89	DS	109	-1837	1830	1830	.	2	990	.	228	1830	.	1
90	DS	110	-1843	1836	1836	.	2	991	.	228	1836	.	1
91	DS	111	-1840	1833	1834	1	1	924	.	149	1834	.	1
92	DS	112	-1955	1948	1949	1	1	947	.	149	1949	.	1
93	DS	113	-2041	2034	2033	-1	1	938	.	256	2033	.	1
94	DS	114	-2042	2035	2034	-1	2	966	.	252	2034	.	1
95	DS	115	-2049	2042	2041	-1	2	963	.	252	2041	.	1
96	DS	116	-2122	2115	2115	.	1	955	.	252	2115	.	1
97	DS	117	-2221	2214	2213	-1	1	937	.	268	2213	.	1
98	DS	118	-2499	2492	.	.	.	.	.	276	2491	.	1
99	DS	119	-2500	2493	.	.	.	.	.	278	2492	.	1
100	DS	120	-2598	2591	2590	-1	1	904	.	276	2590	.	1
101	DS	128	-2421	2414	.	.	.	.	.	279	2414	.	1
102	DS	37	-847	840	.	.	.	.	.	122	840	.	1

Quantitation Report File: AD2850STD

Data: AD2850STD.TI
06/15/91 19:36:00
Sample: SSTD050
Conds.: MS-B CASE: EOH0022
Submitted by: Analyst: JOHNSON

AMOUNT=AREA * REF AMNT/(REF AREA * RESP FACT)
Resp. fac. from Library Entry

No	Name
1	ISTD D4-1,4-DICHLOROBENZENE
2	ISTD D-8-NAPHTHALENE
3	ISTD ACENAPHTHENE-D10
4	INTERNAL STANDARD D-10-PHENANTHRENE
5	INTERNAL STANDARD D-12-CHRYSENE
6	ISTD D-12 PERYLENE
7	SURROGATE 2-FLUOROPHENOL
8	SURROGATE D-6-PHENOL
9	SURROGATE D5-NITROBENZENE
10	SURROGATE 2-FLUOROBIPHENYL
11	SURROGATE STANDARD 2,4,6-TRIBROMOPHENOL
12	SURROGATE STANDARD P-TERPHENYL D-14
13	N-NITROSODIMETHYLAMINE
14	2-PICOLINE
15	METHYL METHANESULFONATE
16	ETHYL METHANESULFONATE
17	C315 PHENOL
18	ANILINE
19	BIS(2-CHLOROETHYL)ETHER
20	2-CHLOROPHENOL
21	1,3-DICHLOROBENZENE
22	1,4-DICHLOROBENZENE
23	BENZYL ALCOHOL
24	1,2-DICHLOROBENZENE
25	2-METHYLPHENOL
26	BIS(2-CHLOROISOPROPYL)ETHER
27	4-METHYLPHENOL
28	N-NITROSO-DI-N-PROPYLAMINE
29	HEXACHLOROETHANE
30	ACETOPHENONE
31	NITROBENZENE
32	N-NITROSOPIPERIDINE
33	ISOPHORONE
34	2-NITROPHENOL
35	2,4-DIMETHYLPHENOL
36	BIS(2-CHLOROETHOXY)METHANE
37	BENZOIC ACID
38	2,4-DICHLOROPHENOL
39	1,2,4-TRICHLOROBENZENE
40	NAPHTHALENE
41	4-CHLOROANILINE
42	2,6-DICHLOROPHENOL
43	HEXACHLOROBUTADIENE
44	N-NITROSO-DI-N-BUTYLAMINE
45	4-CHLORO-3-METHYLPHENOL
46	2-METHYL NAPHTHALENE
47	1,2,4,5-TETRACHLOROBENZENE
48	HEXACHLOROCYCLOPENTADIENE
49	2,4,6-TRICHLOROPHENOL
50	2,4,5-TRICHLOROPHENOL

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount	%Tot
1	152	676	10:52	1	1.000	A BB	34720.	40.000 UG	0.74
2	136	875	14:04	2	1.000	A BB	147703.	40.000 UG	0.74
3	164	1158	18:37	3	1.000	A BB	79423.	40.000 UG	0.74
4	188	1400	22:30	4	1.000	A BB	73168.	40.000 UG	0.74
5	240	1832	29:27	5	1.000	A BB	24296.	40.000 UG	0.74
6	264	2130	34:15	6	1.000	A BB	13787.	40.000 UG	0.74
7	112	481	7:44	1	0.712	A BB	70304.	50.000 UG	0.92
8	99	622	10:00	1	0.920	A BB	106705.	50.000 UG	0.92
9	82	762	12:15	2	0.871	A BB	106436.	50.000 UG	0.92
10	172	1050	16:53	3	0.907	A BB	122820.	50.000 UG	0.92
11	330	1286	20:40	3	1.111	A BB	12323.	50.000 UG	0.92
12	244	1661	26:42	5	0.907	A BB	61923.	50.000 UG	0.92
13	42	255	4:06	1	0.377	A BB	33719.	50.000 UG	0.92
14	93	386	6:12	1	0.571	A BB	47801.	50.000 UG	0.92
15	80	454	7:18	1	0.672	A BB	21906.	50.000 UG	0.92
16	79	562	9:02	1	0.831	A BB	90214.	50.000 UG	0.92
17	94	624	10:02	1	0.923	A BB	113840.	50.000 UG	0.92
18	93	626	10:04	1	0.926	A BV	141260.	50.000 UG	0.92
19	93	638	10:15	1	0.944	A VV	95841.	50.000 UG	0.92
20	128	644	10:21	1	0.953	A BB	75186.	50.000 UG	0.92
21	146	667	10:43	1	0.987	A BB	73590.	50.000 UG	0.92
22	146	679	10:55	1	1.004	A BB	75509.	50.000 UG	0.92
23	108	698	11:13	1	1.033	A BB	54741.	50.000 UG	0.92
24	146	702	11:17	1	1.038	A BB	71799.	50.000 UG	0.92
25	108	716	11:31	1	1.059	A BV	84535.	50.000 UG	0.92
26	45	720	11:35	1	1.065	A BB	123509.	50.000 UG	0.92
27	108	716	11:31	1	1.059	A BV	84535.	50.000 UG	0.92
28	70	740	11:54	1	1.095	A BB	89605.	50.000 UG	0.92
29	117	754	12:07	1	1.115	A BB	39940.	50.000 UG	0.92
30	105	739	11:53	2	0.845	A BB	130286.	50.000 UG	0.92
31	77	765	12:18	2	0.874	A BB	123807.	50.000 UG	0.92
32	42	789	12:41	2	0.902	A BB	61475.	50.000 UG	0.92
33	82	803	12:55	2	0.918	A BB	217473.	50.000 UG	0.92
34	139	815	13:06	2	0.931	A BB	41119.	50.000 UG	0.92
35	122	823	13:14	2	0.941	A BB	72765.	50.000 UG	0.92
36	93	839	13:29	2	0.959	A BB	139689.	50.000 UG	0.92
37	122	840	13:30	2	0.960	A BB	610.	50.000 UG	0.92
38	162	852	13:42	2	0.974	A BB	56862.	50.000 UG	0.92
39	180	866	13:55	2	0.990	A BB	60695.	50.000 UG	0.92
40	128	878	14:07	2	1.003	A BB	217748.	50.000 UG	0.92
41	127	888	14:17	2	1.015	A BB	103270.	50.000 UG	0.92
42	162	889	14:18	2	1.016	A BB	57741.	50.000 UG	0.92
43	225	899	14:27	2	1.027	A BB	31874.	50.000 UG	0.92
44	84	943	15:10	2	1.078	A BB	85258.	50.000 UG	0.92
45	107	965	15:31	2	1.103	A BB	83634.	50.000 UG	0.92
46	142	990	15:55	2	1.131	A BB	136919.	50.000 UG	0.92
47	216	1016	16:20	3	0.877	A BB	58332.	50.000 UG	0.92
48	237	1015	16:19	3	0.877	A BB	15518.	50.000 UG	0.92
49	196	1035	16:38	3	0.894	A BV	39498.	50.000 UG	0.92
50	196	1040	16:43	3	0.898	A VB	36566.	50.000 UG	0.92

No	Ret(L)	Ratio	RRT(L)	Ratio	Amnt	Amnt(L)	R.Fac	R.Fac(L)	Ratio
1	10:59	0.99	1.000	1.00	40.00	40.00	1.000	1.000	1.00
2	14:11	0.99	1.000	1.00	40.00	40.00	1.000	1.000	1.00
3	18:44	0.99	1.000	1.00	40.00	40.00	1.000	1.000	1.00
4	22:37	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
5	29:34	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
6	34:20	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
7	7:51	0.99	0.714	1.00	50.00	50.00	1.620	1.620	1.00
8	10:08	0.99	0.922	1.00	50.00	50.00	2.459	2.459	1.00
9	12:22	0.99	0.872	1.00	50.00	50.00	0.576	0.576	1.00
10	17:00	0.99	0.907	1.00	50.00	50.00	1.237	1.237	1.00
11	20:48	0.99	1.111	1.00	50.00	50.00	0.124	0.124	1.00
12	26:49	1.00	0.907	1.00	50.00	50.00	2.039	2.039	1.00
13	4:14	0.97	0.385	0.98	50.00	50.00	0.777	0.777	1.00

00966

14	6:19	0.98	0.575	0.99	50.00	50.00	1.101	1.101	1.00
15	7:26	0.98	0.676	0.99	50.00	50.00	0.505	0.505	1.00
16	9:09	0.99	0.833	1.00	50.00	50.00	2.079	2.079	1.00
17	10:10	0.99	0.925	1.00	50.00	50.00	2.623	2.623	1.00
18	10:12	0.99	0.928	1.00	50.00	50.00	3.255	3.255	1.00
19	10:23	0.99	0.946	1.00	50.00	50.00	2.208	2.208	1.00
20	10:28	0.99	0.953	1.00	50.00	50.00	1.732	1.732	1.00
21	10:50	0.99	0.987	1.00	50.00	50.00	1.696	1.696	1.00
22	11:02	0.99	1.004	1.00	50.00	50.00	1.740	1.740	1.00
23	11:21	0.99	1.034	1.00	50.00	50.00	1.261	1.261	1.00
24	11:23	0.99	1.037	1.00	50.00	50.00	1.654	1.654	1.00
25	11:37	0.99	1.059	1.00	50.00	50.00	1.948	1.948	1.00
26	11:41	0.99	1.064	1.00	50.00	50.00	2.846	2.846	1.00
27	11:37	0.99	1.059	1.00	50.00	50.00	1.948	1.948	1.00
28	12:02	0.99	1.097	1.00	50.00	50.00	2.065	2.065	1.00
29	12:14	0.99	1.114	1.00	50.00	50.00	0.920	0.920	1.00
30	12:01	0.99	0.847	1.00	50.00	50.00	0.706	0.706	1.00
31	12:26	0.99	0.876	1.00	50.00	50.00	0.671	0.671	1.00
32	12:49	0.99	0.904	1.00	50.00	50.00	0.333	0.333	1.00
33	13:02	0.99	0.920	1.00	50.00	50.00	1.178	1.178	1.00
34	13:13	0.99	0.932	1.00	50.00	50.00	0.223	0.223	1.00
35	13:21	0.99	0.941	1.00	50.00	50.00	0.394	0.394	1.00
36	13:36	0.99	0.959	1.00	50.00	50.00	0.757	0.757	1.00
37	13:37	0.99	0.960	1.00	50.00	50.00	0.003	0.003	1.00
38	13:50	0.99	0.975	1.00	50.00	50.00	0.308	0.308	1.00
39	14:02	0.99	0.990	1.00	50.00	50.00	0.329	0.329	1.00
40	14:14	0.99	1.003	1.00	50.00	50.00	1.179	1.179	1.00
41	14:23	0.99	1.015	1.00	50.00	50.00	0.559	0.559	1.00
42	14:24	0.99	1.016	1.00	50.00	50.00	0.313	0.313	1.00
43	14:34	0.99	1.027	1.00	50.00	50.00	0.173	0.173	1.00
44	15:17	0.99	1.078	1.00	50.00	50.00	0.462	0.462	1.00
45	15:39	0.99	1.103	1.00	50.00	50.00	0.453	0.453	1.00
46	16:02	0.99	1.130	1.00	50.00	50.00	0.742	0.742	1.00
47	16:28	0.99	0.879	1.00	50.00	50.00	0.588	0.588	1.00
48	16:26	0.99	0.877	1.00	50.00	50.00	0.156	0.156	1.00
49	16:45	0.99	0.894	1.00	50.00	50.00	0.398	0.398	1.00
50	16:51	0.99	0.900	1.00	50.00	50.00	0.368	0.368	1.00

Quantitation Report File: AD2850STD

Data: AD2850STD.TI
06/15/91 19:36:00
Sample: SSTD050
Conds.: MS-B CASE: EOH0022
Submitted by: Analyst: JOHNSON

AMOUNT=AREA * REF AMNT/(REF AREA * RESP FACT)
Resp. fac. from Library Entry

No	Name
51	2-CHLORONAPHTHALENE
52	1-CHLORONAPHTHALENE
53	2-NITROANILINE
54	DIMETHYL PHTHALATE
55	2,6-DINITROTOLUENE
56	ACENAPHTHYLENE
57	3-NITROANILINE
58	ACENAPHTHENE
59	2,4-DINITROPHENOL
60	4-NITROPHENOL
61	DIBENZOFURAN
62	2,4-DINITROTOLUENE
63	PENTACHLOROBENZENE
64	1-NAPHTHYLAMINE
65	2,3,4,6-TETRACHLOROPHENOL
66	2-NAPHTHYLAMINE
67	DIETHYL PHTHALATE
68	4-CHLOROPHENYL PHENYL ETHER
69	FLUORENE
70	4-NITROANILINE
71	4,6-DINITRO-2-METHYLPHENOL
72	N-NITROSODIPHENYLAMINE
73	1,2-DIPHENYLHYDRAZINE
74	4-BROMOPHENYL PHENYL ETHER
75	PHENACETIN
76	HEXACHLOROBENZENE
77	4-AMINOBIPHENYL
78	PENTACHLOROPHENOL
79	PRONAMIDE (PROPYZAMIDE)
80	PENTACHLORONITROBENZENE
81	PHENANTHRENE
82	ANTHRACENE
83	DI-N-BUTYL PHTHALATE
84	FLUORANTHENE
85	PYRENE
86	BENZIDINE
87	P-DIMETHYLAMINOAZOBENZENE
88	BUTYL BENZYL PHTHALATE
89	3,3'-DICHLOROBENZIDINE
90	BENZO(A)ANTHRACENE
91	CHRYSENE
92	BIS(2-ETHYLHEXYL)PHTHALATE
93	DI-N-OCTYL PHTHALATE
94	7,12-DIMETHYLBENZ(A)ANTHRACENE
95	BENZO(B)FLUORANTHENE
96	BENZO(K)FLUORANTHENE
97	BENZO(A)PYRENE
98	3-METHYLCHOLANTHRENE
99	INDENO (1,2,3-CD)PYRENE
100	DIBENZ(A,H)ANTHRACENE

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount	%Tot
51	162	1072	17:14	3	0.926	M XX	129164.	50.000 UG	0.92
52	162	1068	17:10	3	0.922	M XX	149006.	50.000 UG	0.92
53	65	1085	17:27	3	0.937	A BB	63867.	50.000 UG	0.92
54	163	1116	17:56	3	0.964	A BB	153268.	50.000 UG	0.92
55	165	1125	18:05	3	0.972	A BB	27925.	50.000 UG	0.92
56	152	1135	18:15	3	0.980	A BB	182444.	50.000 UG	0.92
57	138	1152	18:31	3	0.995	A BB	30942.	50.000 UG	0.92
58	154	1164	18:43	3	1.005	A BV	117803.	50.000 UG	0.92
59	184	1169	18:48	3	1.009	M XX	5796.	50.000 UG	0.92
60	139	1179	18:57	3	1.018	A BB	12659.	50.000 UG	0.92
61	168	1192	19:10	3	1.029	A BB	167570.	50.000 UG	0.92
62	165	1191	19:09	3	1.028	A BB	34841.	50.000 UG	0.92
63	250	1185	19:03	3	1.023	A BB	51594.	50.000 UG	0.92
64	143	1205	19:22	3	1.041	A BV	121172.	50.000 UG	0.92
65	232	1212	19:29	3	1.047	A BB	20475.	50.000 UG	0.92
66	143	1218	19:35	3	1.052	A VB	109756.	50.000 UG	0.92
67	149	1231	19:47	3	1.063	A BB	143532.	50.000 UG	0.92
68	204	1249	20:05	3	1.079	A BB	57542.	50.000 UG	0.92
69	166	1248	20:04	3	1.078	A BB	128592.	50.000 UG	0.92
70	138	1251	20:07	3	1.080	A BB	23832.	50.000 UG	0.92
71	198	1256	20:12	4	0.897	A BB	7858.	50.000 UG	0.92
72	169	1268	20:23	4	0.906	A BB	171117.	50.000 UG	0.92
73	77	1275	20:30	4	0.911	A VB	221903.	50.000 UG	0.92
74	248	1328	21:21	4	0.949	A BB	31484.	50.000 UG	0.92
75	108	1318	21:11	4	0.941	A BB	45815.	50.000 UG	0.92
76	284	1337	21:30	4	0.955	A BB	34826.	50.000 UG	0.92
77	169	1370	22:01	4	0.979	A BB	90465.	50.000 UG	0.92
78	266	1369	22:01	4	0.978	M XX	7188.	50.000 UG	0.92
79	173	1381	22:12	4	0.986	A BB	40815.	50.000 UG	0.92
80	295	1371	22:02	4	0.979	A BB	4685.	50.000 UG	0.92
81	178	1404	22:34	4	1.003	A BV	144686.	50.000 UG	0.92
82	178	1404	22:34	4	1.003	A BV	144686.	50.000 UG	0.92
83	149	1497	24:04	4	1.069	A BB	143400.	50.000 UG	0.92
84	202	1598	25:41	4	1.141	A BB	76826.	50.000 UG	0.92
85	202	1635	26:17	5	0.892	A BB	74892.	50.000 UG	0.92
86	184	1620	26:03	5	0.884	A BB	21172.	50.000 UG	0.92
87	120	1684	27:04	5	0.919	A BB	14677.	50.000 UG	0.92
88	149	1741	27:59	5	0.950	A BB	21169.	50.000 UG	0.92
89	252	1826	29:21	5	0.997	A BB	9684.	50.000 UG	0.92
90	228	1830	29:25	5	0.999	A BV	34478.	50.000 UG	0.92
91	228	1836	29:31	5	1.002	A VB	35196.	50.000 UG	0.92
92	149	1834	29:29	5	1.001	A BB	30547.	50.000 UG	0.92
93	149	1949	31:20	6	0.915	A BB	27707.	50.000 UG	0.92
94	256	2033	32:41	6	0.954	A BB	10640.	50.000 UG	0.92
95	252	2034	32:42	6	0.955	A BV	26022.	50.000 UG	0.92
96	252	2041	32:49	6	0.958	A VB	23111.	50.000 UG	0.92
97	252	2115	34:00	6	0.993	A BB	19649.	50.000 UG	0.92
98	268	2213	35:35	6	1.039	A BB	9312.	50.000 UG	0.92
99	276	2491	40:03	6	1.169	A VB	3844.	50.000 UG	0.92
100	278	2492	40:04	6	1.170	A BB	16301.	50.000 UG	0.92

No	Ret(L)	Ratio	RRT(L)	Ratio	Amnt	Amnt(L)	R.Fac	R.Fac(L)	Ratio
51	17:18	1.00	0.924	1.00	50.00	50.00	1.301	1.301	1.00
52	17:18	0.99	0.924	1.00	50.00	50.00	1.501	1.501	1.00
53	17:34	0.99	0.938	1.00	50.00	50.00	0.643	0.643	1.00
54	18:04	0.99	0.965	1.00	50.00	50.00	1.544	1.544	1.00
55	18:13	0.99	0.973	1.00	50.00	50.00	0.281	0.281	1.00
56	18:22	0.99	0.980	1.00	50.00	50.00	1.838	1.838	1.00
57	18:39	0.99	0.996	1.00	50.00	50.00	0.312	0.312	1.00
58	18:50	0.99	1.005	1.00	50.00	50.00	1.187	1.187	1.00
59	18:55	0.99	1.010	1.00	50.00	50.00	0.058	0.058	1.00
60	19:05	0.99	1.019	1.00	50.00	50.00	0.128	0.128	1.00
61	19:17	0.99	1.029	1.00	50.00	50.00	1.688	1.688	1.00
62	19:17	0.99	1.029	1.00	50.00	50.00	0.351	0.351	1.00
63	19:10	0.99	1.023	1.00	50.00	50.00	0.520	0.520	1.00

64	19:29	0.99	1.040	1.00	50.00	50.00	1.221	1.221	1.00
65	19:36	0.99	1.046	1.00	50.00	50.00	0.206	0.206	1.00
66	19:42	0.99	1.052	1.00	50.00	50.00	1.106	1.106	1.00
67	19:55	0.99	1.064	1.00	50.00	50.00	1.446	1.446	1.00
68	20:12	0.99	1.078	1.00	50.00	50.00	0.580	0.580	1.00
69	20:11	0.99	1.077	1.00	50.00	50.00	1.295	1.295	1.00
70	20:14	0.99	1.081	1.00	50.00	50.00	0.240	0.240	1.00
71	20:19	0.99	0.898	1.00	50.00	50.00	0.086	0.086	1.00
72	20:31	0.99	0.907	1.00	50.00	50.00	1.871	1.871	1.00
73	20:37	0.99	0.911	1.00	50.00	50.00	2.426	2.426	1.00
74	21:28	0.99	0.949	1.00	50.00	50.00	0.344	0.344	1.00
75	21:20	0.99	0.943	1.00	50.00	50.00	0.501	0.501	1.00
76	21:36	0.99	0.955	1.00	50.00	50.00	0.381	0.381	1.00
77	22:09	0.99	0.979	1.00	50.00	50.00	0.989	0.989	1.00
78	22:07	0.99	0.978	1.00	50.00	50.00	0.079	0.079	1.00
79	22:19	0.99	0.986	1.00	50.00	50.00	0.446	0.446	1.00
80	22:10	0.99	0.980	1.00	50.00	50.00	0.051	0.051	1.00
81	22:42	0.99	1.004	1.00	50.00	50.00	1.582	1.582	1.00
82	22:50	0.99	1.009	0.99	50.00	50.00	1.582	1.582	1.00
83	24:11	1.00	1.069	1.00	50.00	50.00	1.568	1.568	1.00
84	25:48	1.00	1.141	1.00	50.00	50.00	0.840	0.840	1.00
85	26:24	1.00	0.893	1.00	50.00	50.00	2.466	2.466	1.00
86	26:09	1.00	0.885	1.00	50.00	50.00	0.697	0.697	1.00
87	27:11	1.00	0.920	1.00	50.00	50.00	0.483	0.483	1.00
88	28:06	1.00	0.951	1.00	50.00	50.00	0.697	0.697	1.00
89	29:28	1.00	0.997	1.00	50.00	50.00	0.319	0.319	1.00
90	29:32	1.00	0.999	1.00	50.00	50.00	1.135	1.135	1.00
91	29:38	1.00	1.002	1.00	50.00	50.00	1.159	1.159	1.00
92	29:35	1.00	1.001	1.00	50.00	50.00	1.006	1.006	1.00
93	31:26	1.00	0.915	1.00	50.00	50.00	1.608	1.608	1.00
94	32:49	1.00	0.956	1.00	50.00	50.00	0.617	0.617	1.00
95	32:50	1.00	0.956	1.00	50.00	50.00	1.510	1.510	1.00
96	32:56	1.00	0.959	1.00	50.00	50.00	1.341	1.341	1.00
97	34:07	1.00	0.993	1.00	50.00	50.00	1.140	1.140	1.00
98	35:42	1.00	1.040	1.00	50.00	50.00	0.540	0.540	1.00
99	40:11	1.00	1.170	1.00	50.00	50.00	0.223	0.223	1.00
100	40:11	1.00	1.170	1.00	50.00	50.00	0.946	0.946	1.00

Quantitation Report File: AD2850STD

Data: AD2850STD.TI
06/15/91 19:36:00
Sample: SSTD050
Conds.: MS-B CASE: EOH0022
Submitted by: Analyst: JOHNSON

AMOUNT=AREA * REF AMNT/(REF AREA * RESP FACT)
Resp. fac. from Library Entry

No	Name
101	BENZO (G,H,I)PERYLENE
102	DIBENZ(A,J)ACRIDINE

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount	%Tot
101	276	2590	41:38	6	1.216	A BB	14409.	50.000 UG	0.92
102	279	2414	38:49	6	1.133	A BB	11348.	50.000 UG	0.92

No	Ret(L)	Ratio	RRT(L)	Ratio	Amnt	Amnt(L)	R.Fac	R.Fac(L)	Ratio
101	41:46	1.00	1.216	1.00	50.00	50.00	0.836	0.836	1.00
102	38:55	1.00	1.133	1.00	50.00	50.00	0.658	0.658	1.00

SV
STANDARDS DATA
INTERNAL STANDARD AREA SUMMARY

8B

SEMIVOLATILE INTERNAL STANDARD AREA SUMMARY

Lab Name: DATACHEM LABS Contract: 19005

Lab Code: DATAC Case No.: E0H00022 SAS No.: _____ SDG No.: 13585

Lab File ID (Standard): AD1150STD Date Analyzed: 6-14-91

Instrument ID: MS-B Time Analyzed: 14:58

		IS1(DCB) AREA #	RT	IS2(NPT) AREA #	RT	IS3(ANT) AREA #	RT
	12 HOUR STD	28198	11:12	102327	14:24	57646	18:57
	UPPER LIMIT	56396	11:42	204654	14:54	115292	19:27
	LOWER LIMIT	14099	10:42	51164	13:54	28823	18:27
	EPA SAMPLE NO.						
01	S1	25337	11:04	93922	14:15	56052	18:49
02	S3	26093	11:07	101369	14:18	59915	18:51
03	S7	25307	11:07	91214	14:18	54715	18:51
04	S10	25755	11:07	88543	14:18	55701	18:50
05	S10MS	27070	11:06	92217	14:17	57908	18:50
06	S10MSD	26935	11:08	91842	14:20	57091	18:53
07	SBLK01	27641	11:06	109266	14:17	65786	22:44
08							
09							
10							
11							
12							
13							
14							
15							
16							
17							
18							
19							
20							
21							
22							

IS1 (DCB) = 1,4-Dichlorobenzene-d4
IS2 (NPT) = Naphthalene-d8
IS3 (ANT) = Acenaphthene-d10

UPPER LIMIT = + 100% of internal standard area.
LOWER LIMIT = - 50% of internal standard area.

Column used to flag internal standard area values with an asterisk

FORM VIII SV-1 1/87 Rev.

8C
SEMIVOLATILE INTERNAL STANDARD AREA SUMMARY

Lab Name: DATACHEM LABS Contract: 19005

Lab Code: DATAC Case No.: E0H00022 SAS No.: _____ SDG No.: 13585

Lab File ID (Standard): AD1150STD Date Analyzed: 6.14.91

Instrument ID: MS-B Time Analyzed: 14:58

		IS4(PHN) AREA #	RT	IS5(CRY) AREA #	RT	IS6(PRY) AREA #	RT
	12 HOUR STD	83553	22:51	36714	29:47	27961	34:35
	UPPER LIMIT	167106	23:21	73428	30:17	55922	35:05
	LOWER LIMIT	41777	22:21	18357	29:17	13981	34:05
	EPA SAMPLE NO.						
01	S1	~~253377436~~	~~11:04~~ 22:42	~~93726704~~	29:39	17780	34:25
02	S3	82839	22:45	21560	29:41	12892 (*)	34:28
03	S7	84220	22:45	28016	29:41	19777	34:28
04	S10	76384	22:44	25442	29:41	18143	34:28
05	S10MS	84618	22:44	26505	29:40	17345	34:26
06	S10MSD	87724	22:47	35103	29:44	26152	34:30
07	SBLK01	91603	22:44	32688	29:41	23083	34:27
08							
09							
10							
11							
12							
13							
14							
15							
16							
17							
18							
19							
20							
21							
22							

IS4 (PHN) = Phenanthrene-d10
IS5 (CRY) = Chrysene-d12
IS6 (PRY) = Perylene-d12

UPPER LIMIT = + 100% of internal standard area.
LOWER LIMIT = - 50% of internal standard area.

Column used to flag internal standard area values with an asterisk

FORM VIII SV-2 1/87 Rev.

8B

SEMIVOLATILE INTERNAL STANDARD AREA SUMMARY

Lab Name: DATACHEM LABS Contract: 19005

Lab Code: DATAC Case No.: E0H0022 SAS No.: _____ SDG No.: 13585

Lab File ID (Standard): AD2850STD Date Analyzed: 6-15-91

Instrument ID: MS-B Time Analyzed: 19:36

		IS1(DCB) AREA #	RT	IS2(NPT) AREA #	RT	IS3(ANT) AREA #	RT
	12 HOUR STD	34720	10:52	147703	14:04	79423	18:37
	UPPER LIMIT	69440	11:22	295406	14:34	158846	19:07
	LOWER LIMIT	17360	10:22	73852	13:34	39712	18:07
	EPA SAMPLE NO.						
01	~~S1 91-13585~~						
02	~~S2 13586~~	40490					
03	~~S3 13587~~						
04	~~S4 13588~~						
05	~~S5 13589~~						
06	~~S6 13590~~						
07	~~S7 13591~~						
08	~~S8 13592~~						
09	~~S9 13593~~						
10	~~S10 13594~~						
11	~~S10MS 13594MS~~						
12	~~S10MSD 13594MSD~~						
13	~~SBLK01 BLK~~						
14	S2	40490	11:08	156776	14:19	78449	18:52
15	S4	42073	11:02	165418	14:13	87492	18:47
16	S5	43296	10:41	174384	13:52	91014	18:26
17	S6	43848	10:40	173945	13:51	90473	18:25
18	S8	42243	11:05	168020	14:16	90114	18:50
19	S9	39014	11:07	151749	14:18	79972	18:51
20							
21							
22							

IS1 (DCB) = 1,4-Dichlorobenzene-d4
IS2 (NPT) = Naphthalene-d8
IS3 (ANT) = Acenaphthene-d10

UPPER LIMIT = + 100% of internal standard area.
LOWER LIMIT = - 50% of internal standard area.

Column used to flag internal standard area values with an asterisk

FORM VIII SV-1 1/87 Rev.

8C

SEMIVOLATILE INTERNAL STANDARD AREA SUMMARY

Lab Name: DATACHEM LABS Contract: 19005

Lab Code: DATAC Case No.: ECH6022 SAS No.: _____ SDG No.: 13585

Lab File ID (Standard): AD2850STD Date Analyzed: 6-15-91

Instrument ID: MS-B Time Analyzed: 19:36

		IS4(PHN) AREA #	RT	IS5(CRY) AREA #	RT	IS6(PRY) AREA #	RT
	12 HOUR STD	73168	22:30	24296	29:27	13787	34:15
	UPPER LIMIT	146336	23:00	48592	29:57	27574	34:45
	LOWER LIMIT	36584	22:00	12148	28:57	6894	33:45
	EPA SAMPLE NO.						
01	S1						
02	S2						
03	S3						
04	S4						
05	S5						
06	S6						
07	S7						
08	S8						
09	S9						
10	S10						
11	S10MS						
12	S10MSD						
13	SBLK01						
14	S2	102470	22:46	27674	29:43	16232	34:30
15	S4	110241	22:40	31130	29:37	16880	34:23
16	S5	109470	22:20	34364	29:17	18819	34:04
17	S6	105707	22:19	23857	29:15	11983	34:02
18	S8	117375	22:43	42639	29:39	27515	34:26
19	S9						
20							
21							
22							

IS4 (PHN) = Phenanthrene-d10
IS5 (CRY) = Chrysene-d12
IS6 (PRY) = Perylene-d12

UPPER LIMIT = + 100% of internal standard area.
LOWER LIMIT = - 50% of internal standard area.

Column used to flag internal standard area values with an asterisk

FORM VIII SV-2 1/87 Rev.

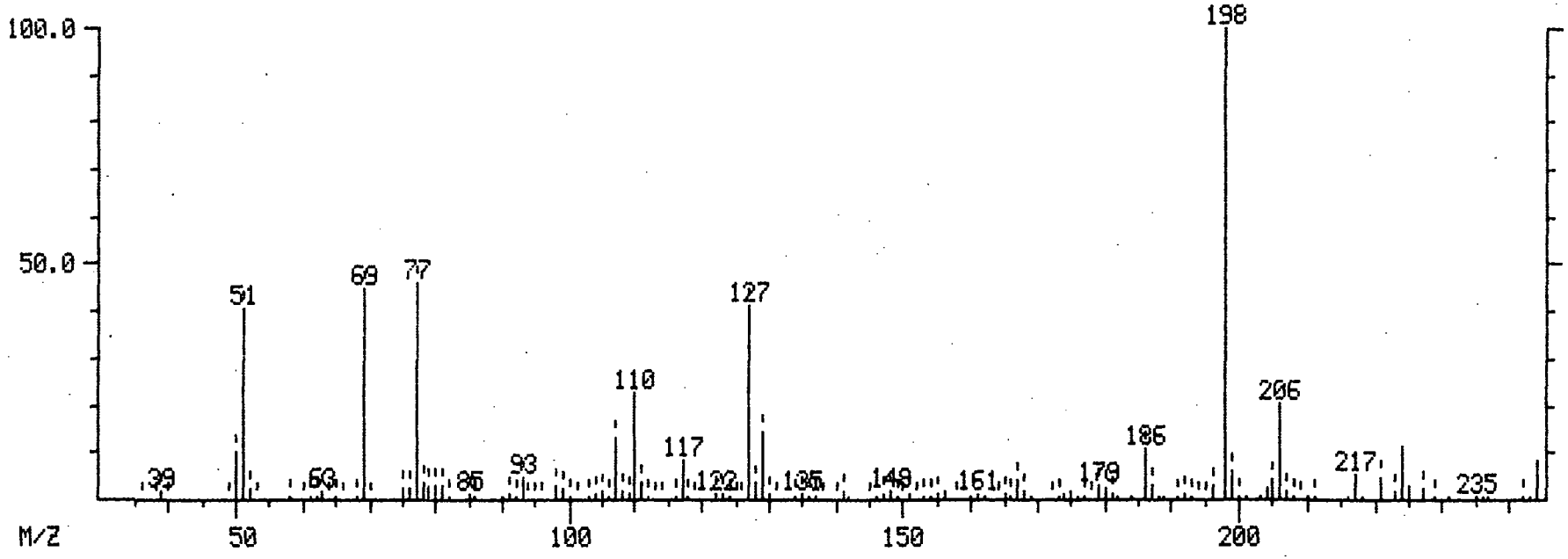
SV
RAW QC DATA

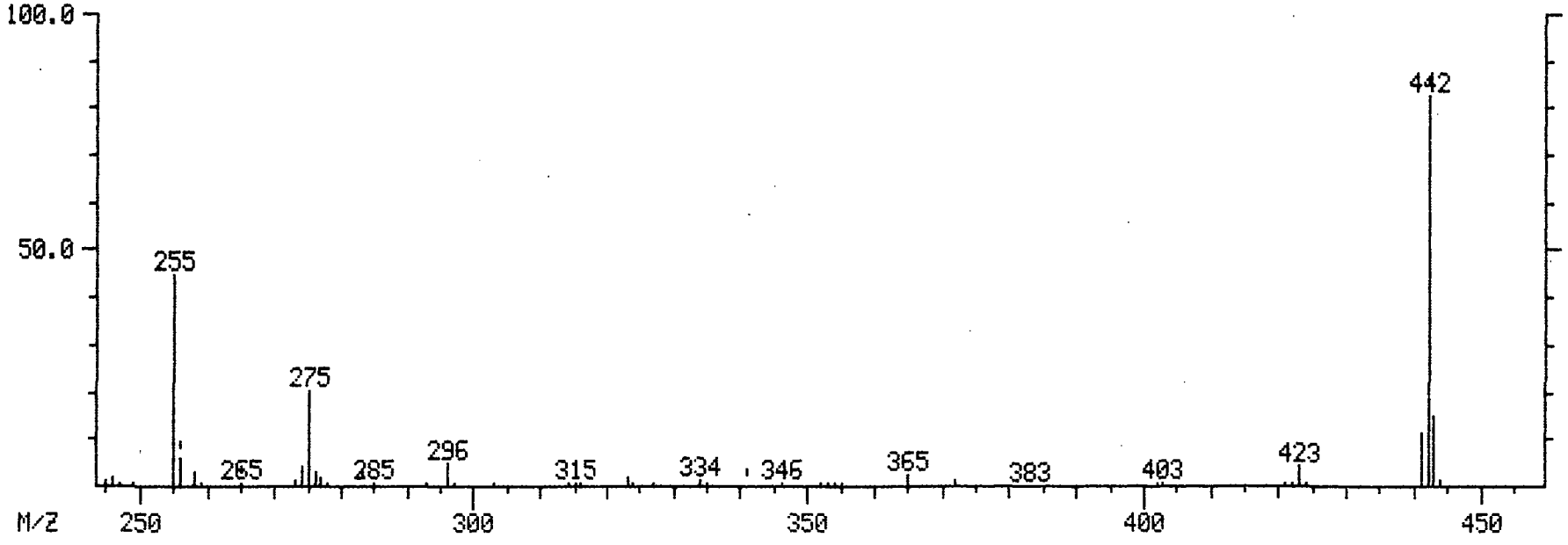
SV
RAW QC DATA
DFTPP

MID MASS SPECTRUM
06/14/91 14:39:00 + 6:41
SAMPLE: 50NG DFTPP
CONDS.: MS-B CASE: EOH0022
GC TEMP: 263 DEG. C
#416 - #414 X1.00

DATA: AD10DFTPP #416
CALI: AD10DFTPP #2

BASE M/Z: 198
RIC: 227072.





00979

MID Mass List Data: AD10DFTPP # 416 Base m/z: 198
06/14/91 14:39:00 + 6:41 Cali: AD10DFTPP # 2 RIC: 227072.
Sample: 50NG DFTPP
Conds.: MS-B CASE: EOH0022
#416 - #414 X1.00

36 0.00 0.00 0. Minima Min inten: 206.
444 # 0 Maxima

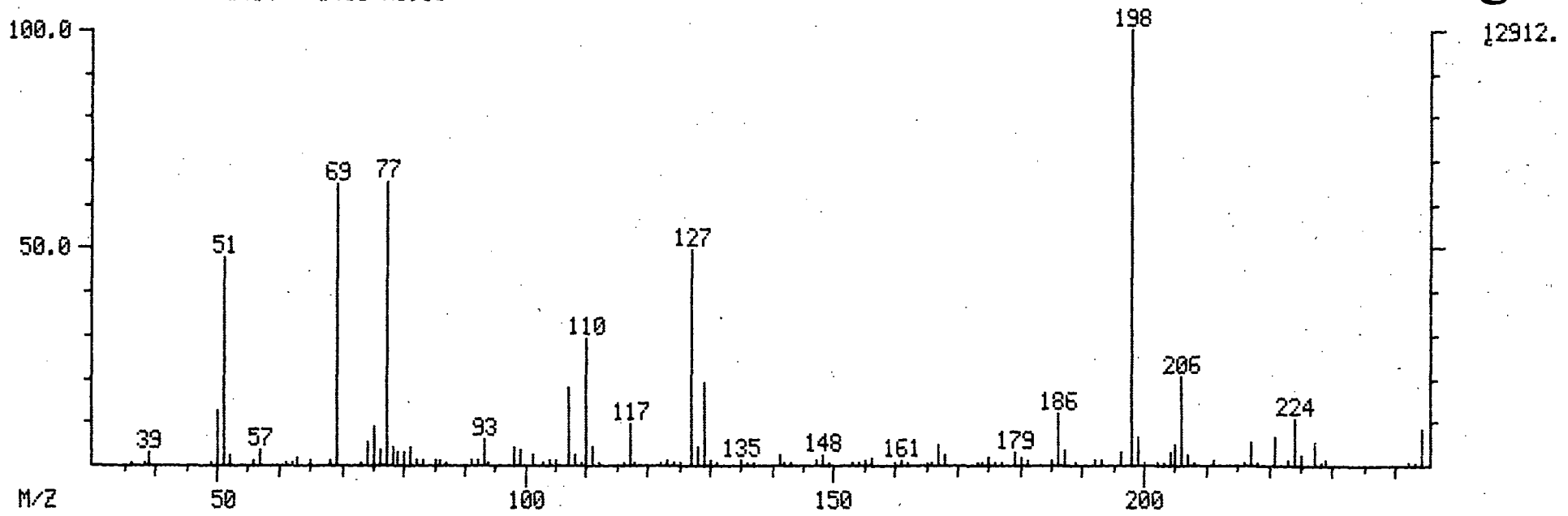
Mass		% RA	% RIC	Inten.	Mass		% RA	% RIC	Inten.
39.00?	S	1.78	0.23	524.	174.00		0.97	0.13	286.
50.00?	S	10.45	1.36	3080.	175.00		1.91	0.25	562.
51.00?	S	40.83	5.30	12032.	176.00		0.72	0.09	211.
52.00?	S	2.26	0.29	667.	179.00	S	2.86	0.37	843.
61.00?	S	0.73	0.09	215.	180.00	S	2.13	0.28	629.
63.00?	S	2.09	0.27	615.	181.00	S	1.07	0.14	314.
65.00?	S	0.70	0.09	207.	186.00	S	10.64	1.38	3136.
69.00	S	44.73	5.81	13184.	187.00	S	3.16	0.41	930.
75.00	S	2.34	0.30	690.	189.00		0.76	0.10	225.
76.00	S	2.35	0.30	692.	192.00	S	0.96	0.12	282.
77.00	S	46.31	6.01	13648.	193.00	S	0.84	0.11	247.
78.00	S	3.36	0.44	991.	196.00	S	2.74	0.36	807.
79.00	S	3.02	0.39	891.	198.00		100.00	12.98	29472.
80.00	S	2.76	0.36	812.	199.00	S	6.05	0.78	1782.
81.00	S	3.04	0.39	896.	204.00		2.51	0.33	741.
82.00	S	0.75	0.10	221.	205.00	S	4.17	0.54	1228.
85.00	S	1.06	0.14	313.	206.00		20.44	2.65	6024.
91.00	S	1.01	0.13	297.	207.00	S	2.04	0.26	600.
92.00	S	0.89	0.12	262.	211.00	S	0.83	0.11	244.
93.00	S	4.51	0.59	1330.	217.00		5.67	0.74	1670.
98.00	S	2.94	0.38	866.	218.00		0.85	0.11	250.
99.00	S	2.51	0.33	741.	221.00	S	4.93	0.64	1454.
104.00	S	0.94	0.12	278.	223.00	S	1.98	0.26	583.
105.00	S	1.89	0.25	557.	224.00		11.16	1.45	3288.
107.00	S	13.40	1.74	3948.	225.00		2.96	0.38	873.
108.00	S	1.71	0.22	503.	227.00	S	2.58	0.33	760.
109.00	S	0.98	0.13	288.	229.00	S	0.86	0.11	253.
110.00	S	22.96	2.98	6768.	244.00		8.36	1.09	2464.
111.00	S	3.30	0.43	974.	245.00		1.34	0.17	396.
117.00	S	8.48	1.10	2500.	246.00		1.66	0.22	490.
122.00	S	1.37	0.18	403.	255.00		44.63	5.79	13152.
123.00	S	1.29	0.17	380.	256.00	S	6.22	0.81	1832.
127.00	S	41.26	5.36	12160.	258.00		3.07	0.40	904.
128.00	S	3.38	0.44	995.	265.00	S	0.77	0.10	227.
129.00	S	14.41	1.87	4248.	273.00		1.30	0.17	383.
130.00	S	1.23	0.16	363.	274.00		4.13	0.54	1218.
135.00	S	1.09	0.14	322.	275.00		20.39	2.65	6008.
136.00	S	0.74	0.10	218.	276.00		2.71	0.35	800.
141.00	S	1.74	0.23	513.	277.00		1.66	0.21	488.
142.00		0.83	0.11	244.	296.00		4.94	0.64	1456.
147.00	S	1.36	0.18	400.	323.00		1.77	0.23	521.
148.00	S	1.81	0.23	532.	334.00		1.09	0.14	320.
151.00	S	1.42	0.18	418.	365.00		2.19	0.28	645.
155.00	S	1.10	0.14	324.	372.00		1.09	0.14	322.
156.00		1.95	0.25	575.	423.00		4.05	0.53	1194.
160.00		0.88	0.11	258.	424.00		0.81	0.11	239.
161.00		1.19	0.16	352.	441.00		11.39	1.48	3356.
165.00	S	0.99	0.13	291.	442.00	S	82.74	10.74	24384.
167.00	S	4.17	0.54	1228.	443.00		14.85	1.93	4376.
168.00	S	2.07	0.27	610.	444.00		1.37	0.18	403.

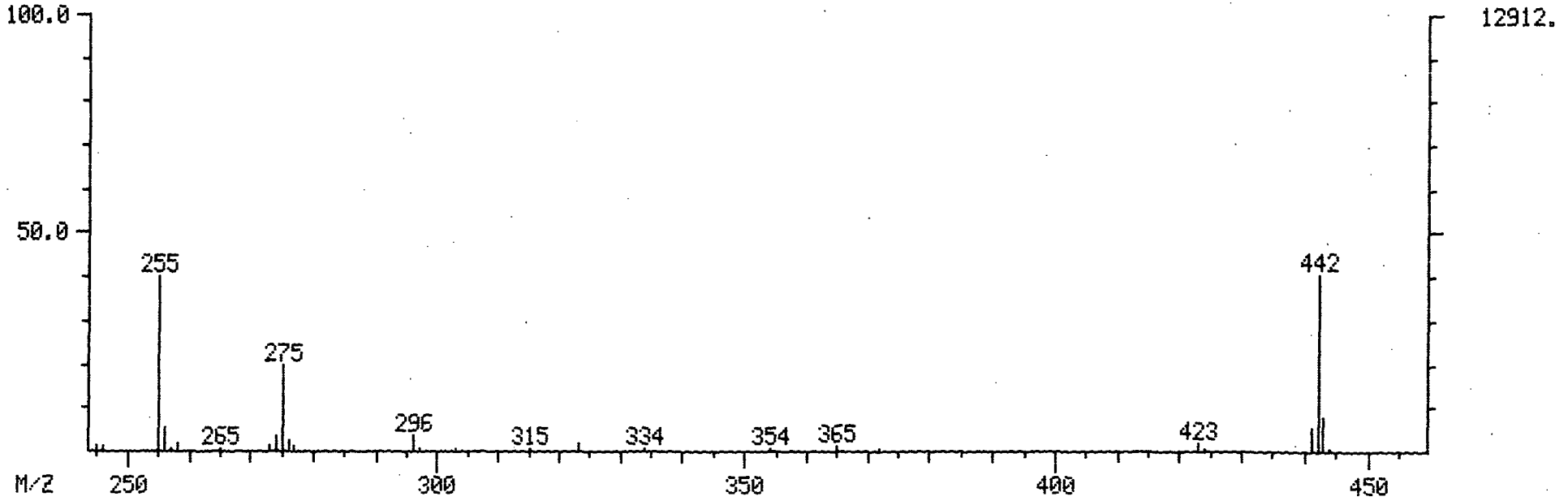
MID MASS SPECTRUM
06/15/91 18:26:00 + 6:39
SAMPLE: ~~52 91-13588~~ 50 NG DFTPP 6-17-91
CONDS.: MS-B CASE: EOH0022
GC TEMP: 262 DEG. C
#414 - #411 X1.00

DATA: AD26DFTPP #414
CALI: AD26DFTPP #2

BASE M/Z: 198
RIC: 103936.

00981





MID Mass List Data: AD26DFTPP # 414 Base m/z: 198
06/15/91 18:26:00 + 6:39 Cali: AD26DFTPP # 2 RIC: 103936.
Sample: ~~S2 91-13586~~ 50 ng DFTPP 6.17.91
Conds.: MS-B CASE: EOH0022
#414 - #411 X1.00

36	0.00	0.00	0.	Minima	Min inten:	98.	
444			# 0	Maxima			
Mass	% RA	% RIC	Inten.	Mass	% RA	% RIC	Inten.
39.00?	2.80	0.35	362.	155.00	1.27	0.16	164.
50.00?	12.31	1.53	1590.	156.00	1.76	0.22	227.
51.00?	47.89	5.95	6184.	160.00	0.89	0.11	115.
52.00?	2.33	0.29	301.	161.00	1.12	0.14	145.
56.00?	1.46	0.18	189.	165.00	0.81	0.10	105.
57.00?	3.79	0.47	490.	167.00	4.60	0.57	594.
63.00?	2.04	0.25	264.	168.00	2.45	0.30	316.
65.00?	1.23	0.15	159.	174.00	0.79	0.10	102.
68.00?	1.29	0.16	166.	175.00	1.53	0.19	198.
69.00	64.56	8.02	8336.	179.00	2.98	0.37	385.
74.00	5.24	0.65	677.	180.00	2.02	0.25	261.
75.00	9.15	1.14	1182.	181.00	1.05	0.13	136.
76.00	3.59	0.45	463.	185.00	1.45	0.18	187.
77.00	65.55	8.14	8464.	186.00	12.02	1.49	1552.
78.00	4.43	0.55	572.	187.00	3.49	0.43	451.
79.00	3.28	0.41	423.	192.00	0.92	0.11	119.
80.00	3.03	0.38	391.	193.00	1.10	0.14	142.
81.00	4.24	0.53	547.	196.00	2.73	0.34	353.
82.00	1.19	0.15	154.	198.00	100.00	12.42	12912.
83.00	1.07	0.13	138.	199.00	6.58	0.82	850.
85.00	1.05	0.13	135.	204.00	2.87	0.36	371.
86.00	1.01	0.13	131.	205.00	4.79	0.59	618.
91.00	1.00	0.12	129.	206.00	20.32	2.52	2624.
92.00	1.05	0.13	135.	207.00	2.48	0.31	320.
93.00	5.72	0.71	738.	211.00	1.25	0.16	162.
98.00	4.10	0.51	529.	217.00	5.13	0.64	663.
99.00	3.66	0.45	472.	221.00	6.43	0.80	830.
101.00	2.36	0.29	305.	223.00	1.27	0.16	164.
104.00	1.24	0.15	160.	224.00	10.86	1.35	1402.
105.00	1.32	0.16	171.	225.00	2.23	0.28	288.
107.00	18.06	2.24	2332.	227.00	5.12	0.64	661.
108.00	2.52	0.31	326.	229.00	0.94	0.12	121.
109.00	0.77	0.10	100.	244.00	8.53	1.06	1102.
110.00	29.58	3.68	3820.	245.00	1.08	0.13	139.
111.00	4.16	0.52	537.	246.00	1.46	0.18	189.
116.00	0.84	0.10	108.	255.00	40.15	4.99	5184.
117.00	9.87	1.23	1274.	256.00	5.51	0.68	711.
118.00	0.82	0.10	106.	258.00	1.91	0.24	246.
123.00	1.22	0.15	158.	273.00	1.31	0.16	169.
125.00	0.82	0.10	106.	274.00	3.73	0.46	481.
127.00	49.63	6.17	6408.	275.00	19.86	2.47	2564.
128.00	3.97	0.49	513.	276.00	2.37	0.29	306.
129.00	19.33	2.40	2496.	277.00	1.22	0.15	158.
130.00	1.47	0.18	190.	296.00	3.57	0.44	461.
135.00	1.49	0.18	192.	323.00	1.67	0.21	215.
137.00	0.77	0.10	100.	365.00	1.42	0.18	183.
141.00	2.28	0.28	295.	423.00	2.05	0.25	265.
142.00	0.76	0.09	98.	441.00	5.29	0.66	689.
147.00	0.93	0.12	120.	442.00	40.52	5.03	5232.
148.00	2.23	0.28	288.	443.00	7.71	0.96	996.

SV
RAW QC DATA
BLANK DATA

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SBLK01

Lab Name: DATACHEM LABS Contract: 19005

Lab Code: DATAC Case No.: E0H002 SAS No.: _____ SDG No.: 13585

Matrix: (soil/water) SOIL Lab Sample ID: BL61491

Sample wt/vol: 30 (g/mL) G Lab File ID: AD17BL614

Level: (low/med) LOW Date Received: 06/07/91

% Moisture: not dec._____ dec._____ Date Extracted: 06/14/91

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 06/14/91

GPC Cleanup: (Y/N) N pH:____ Dilution Factor: 1.0

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

CAS NO.	COMPOUND		Q
108-95-2	Phenol	330.	U
111-44-4	bis(2-Chloroethyl)ether	330.	U
95-57-8	2-Chlorophenol	330.	U
541-73-1	1,3-Dichlorobenzene	330.	U
106-46-7	1,4-Dichlorobenzene	330.	U
100-51-6	Benzyl alcohol	330.	U
95-50-1	1,2-Dichlorobenzene	330.	U
95-48-7	2-Methylphenol	330.	U
108-60-1	bis(2-Chloroisopropyl)ether	330.	U
106-44-5	4-Methylphenol	330.	U
621-64-7	N-Nitroso-di-n-propylamine	330.	U
67-72-1	Hexachloroethane	330.	U
98-95-3	Nitrobenzene	330.	U
78-59-1	Isophorone	330.	U
88-75-5	2-Nitrophenol	330.	U
105-67-9	2,4-Dimethylphenol	330.	U
65-85-0	Benzoic acid	1600.	U
111-91-1	bis(2-Chloroethoxy)methane	330. ~~1600.~~	U
120-83-2	2,4-Dichlorophenol	330.	U
120-82-1	1,2,4-Trichlorobenzene	330.	U
91-20-3	Naphthalene	330.	U
106-47-8	4-Chloroaniline	330.	U
87-68-3	Hexachlorobutadiene	330.	U
59-50-7	4-Chloro-3-methylphenol	330.	U
91-57-6	2-Methylnaphthalene	330.	U
77-47-4	Hexachlorocyclopentadiene	330.	U
88-06-2	2,4,6-Trichlorophenol	330.	U
95-95-4	2,4,5-Trichlorophenol	1600.	U
91-58-7	2-Chloronaphthalene	330.	U
88-74-4	2-Nitroaniline	1600.	U
131-11-3	Dimethylphthalate	330.	U
208-96-8	Acenaphthylene	330.	U
606-20-2	2,6-Dinitrotoluene	330.	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SBLK01

Lab Name: DATACHEM LABS Contract: 19005

Lab Code: DATAC Case No.: EOH0022 SAS No.: _____ SDG No.: 13585

Matrix: (soil/water) SOIL Lab Sample ID: BL61491

Sample wt/vol: 30 (g/mL) G Lab File ID: AD17BL614

Level: (low/med) LOW Date Received: 06/07/91

% Moisture: not dec._____ dec._____ Date Extracted: 06/14/91

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 06/14/91

GPC Cleanup: (Y/N) N pH:____ Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
99-09-2	3-Nitroaniline	1600.	u
83-32-9	Acenaphthene	330.	u
51-28-5	2,4-Dinitrophenol	1600.	u
100-02-7	4-Nitrophenol	1600.	u
132-64-9	Dibenzofuran	330.	u
121-14-2	2,4-Dinitrotoluene	330.	u
84-66-2	Diethylphthalate	330.	u
7005-72-3	4-Chlorophenyl-phenylether	330.	u
86-73-7	Fluorene	330.	u
100-01-6	4-Nitroaniline	1600.	u
534-52-1	4,6-Dinitro-2-methylphenol	1600.	u
86-30-6	N-Nitrosodiphenylamine (1)	330.	u
101-55-3	4-Bromophenyl-phenylether	330.	u
118-74-1	Hexachlorobenzene	330.	u
87-86-5	Pentachlorophenol	1600.	u
85-01-8	Phenanthrene	330.	u
120-12-7	Anthracene	330.	u
84-74-2	Di-n-butylphthalate	330.	u
206-44-0	Fluoranthene	330.	u
129-00-0	Pyrene	330.	u
85-68-7	Butylbenzylphthalate	330.	u
91-94-1	3,3'-Dichlorobenzidine	660.	u
56-55-3	Benzo(a)anthracene	330.	u
218-01-9	Chrysene	330.	u
117-81-7	bis(2-Ethylhexyl)phthalate	120.	J
117-84-0	Di-n-octylphthalate	330.	u
205-99-2	Benzo(b)fluoranthene	330.	u
207-08-9	Benzo(k)fluoranthene	330.	u
50-32-8	Benzo(a)pyrene	330.	u
193-39-5	Indeno(1,2,3-cd)pyrene	330.	u
53-70-3	Dibenz(a,h)anthracene	330.	u
191-24-2	Benzo(g,h,i)perylene	330.	u

(1) - Cannot be separated from Diphenylamine

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

SBLK01

Lab Name: DATACHEM LABS Contract: 19005

Lab Code: DATAC Case No.: E0H0022 SAS No.: _____ SDG No.: 13585

Matrix: (soil/water) SOIL Lab Sample ID: BL61491

Sample wt/vol: 30 (g/mL) G Lab File ID: AD17BL614

Level: (low/med) LOW Date Received: 06/07/91

% Moisture: not dec. _____ dec. _____ Date Extracted: 06/14/91

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 06/14/91

GPC Cleanup: (Y/N) N pH: ____ Dilution Factor: 1.0

Number TICs found: 4

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.		ALDOL CONDENSATION PRODUCT	6:45	5800.	AJ
2.		ALDOL CONDENSATION PRODUCT	7:02	410.	AJ
3.		ALDOL CONDENSATION PRODUCT	7:31	86000.	AJ
4.		ALDOL CONDENSATION PRODUCT	8:57	1100.	AJ
5.					
6.					
7.					
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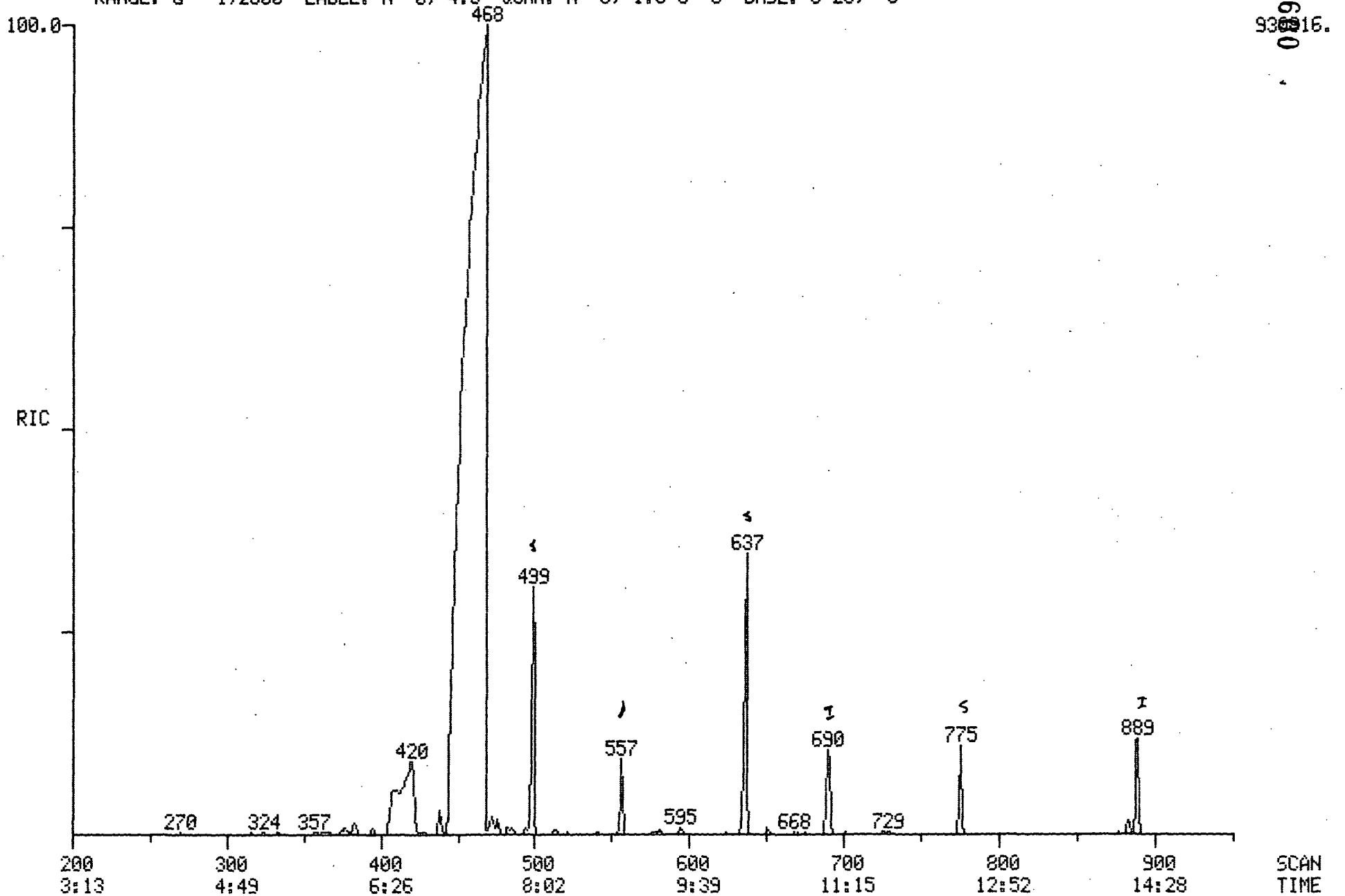
29.					
30.					

MIDRIC
06/14/91 20:28:00
SAMPLE: SBLK01 061491
CONDS.: MS-B CASE: EOH0022
RANGE: G 1,2800 LABEL: N 0, 4.0 QUAN: A 0, 1.0 J 0 BASE: U 20, 3

DATA: AD17BL614 #1
CALI: AD17BL614 #2

SCANS 200 TO 950

T. Masocai
6·17·91

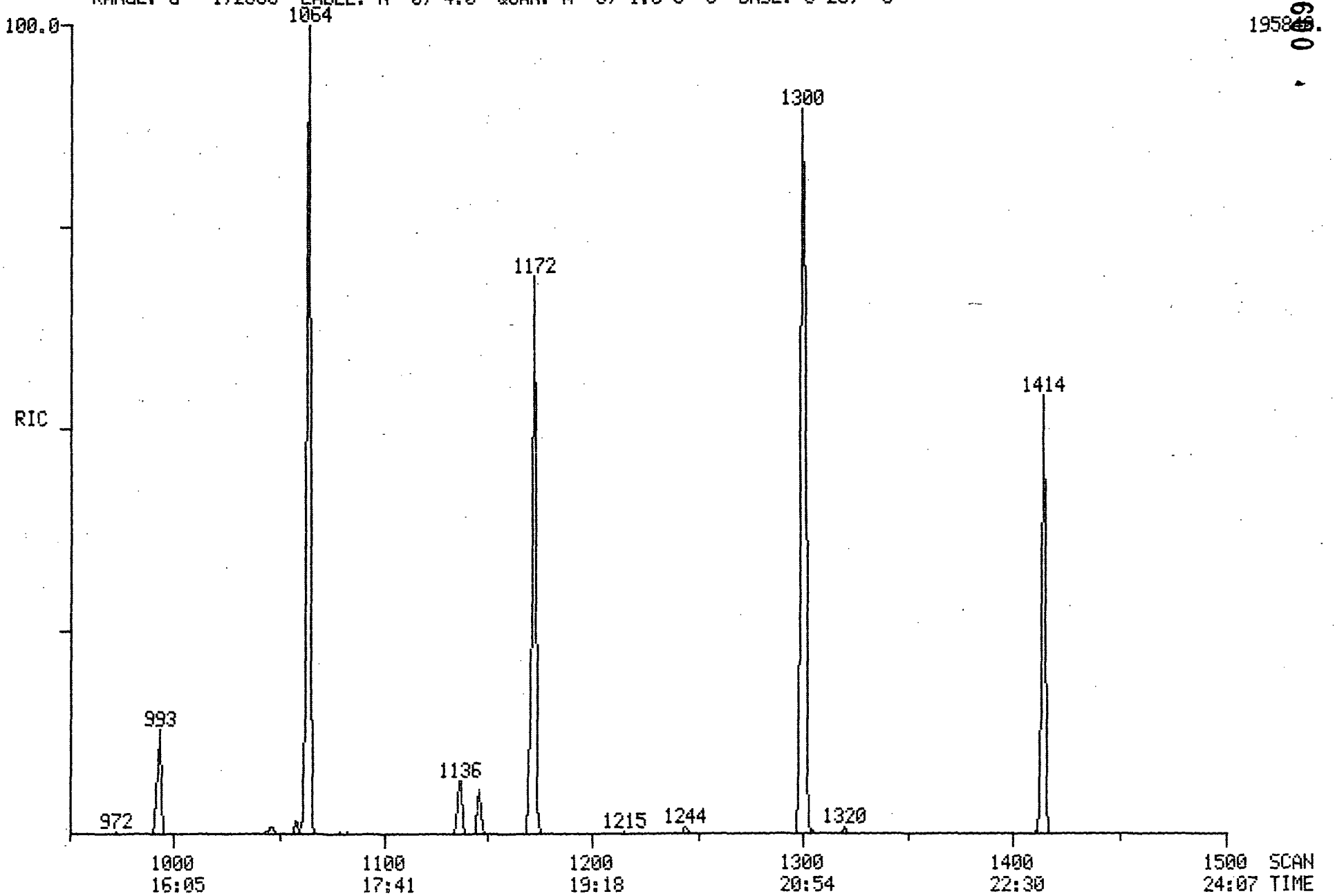


009987

MIDRIC
06/14/91 20:28:00
SAMPLE: SBLK01 61491
CONDS.: MS-B CASE: EOH0022
RANGE: G 1,2800 LABEL: N 0, 4.0 QUAN: A 0, 1.0 J 0 BASE: U 20, 3

DATA: AD17BL614 #1
CALI: AD17BL614 #2

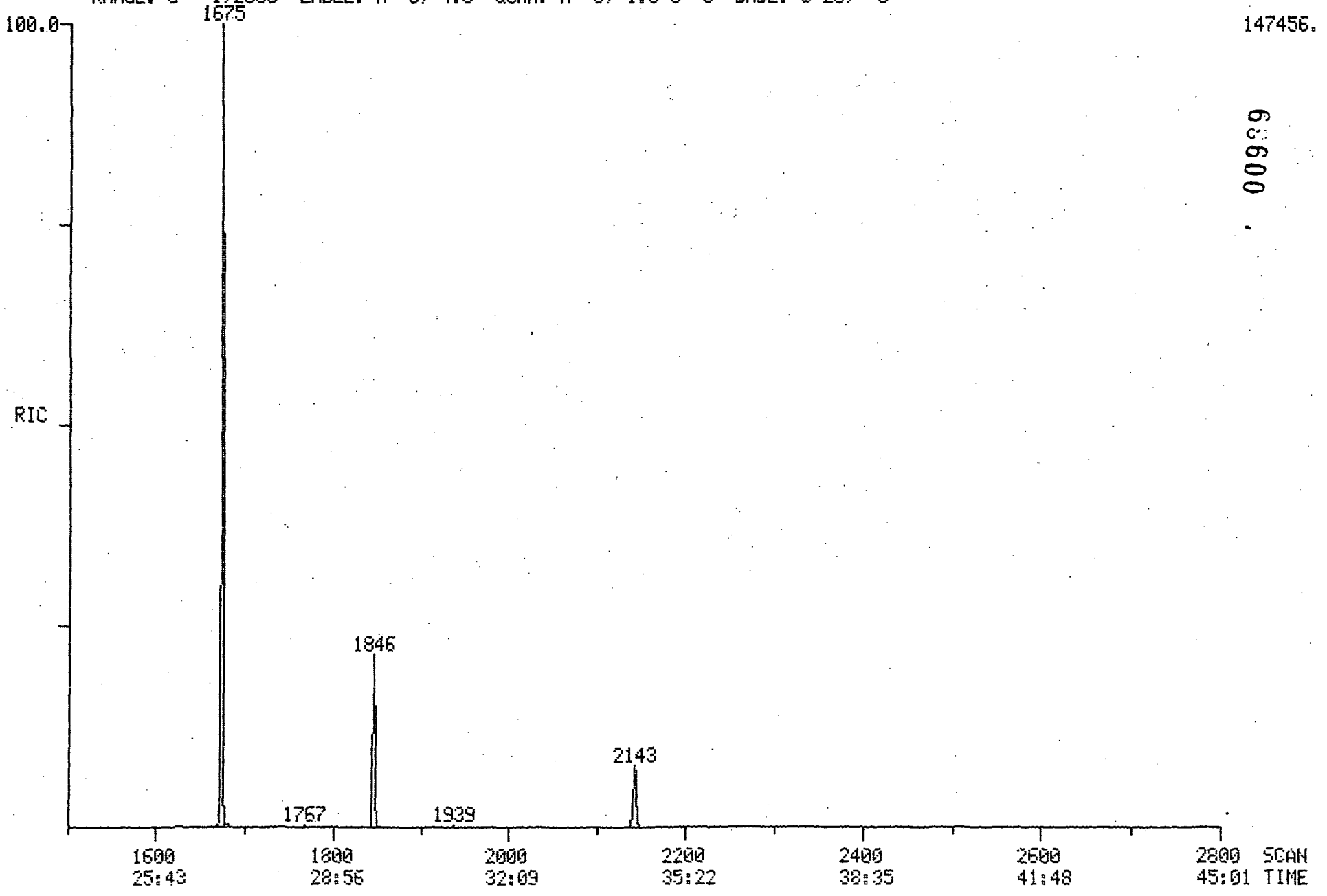
SCANS 950 TO 1500



00988

MIDRIC
06/14/91 20:28:00
SAMPLE: SBLK01 61491
CONDS.: MS-B CASE: EOH0022
RANGE: G 1.2800 LABEL: N 0, 4.0 QUAN: A 0, 1.0 J 0 BASE: U 20, 3

DATA: AD17BL614 #1 SCANS 1500 TO 2800
CALI: AD17BL614 #2

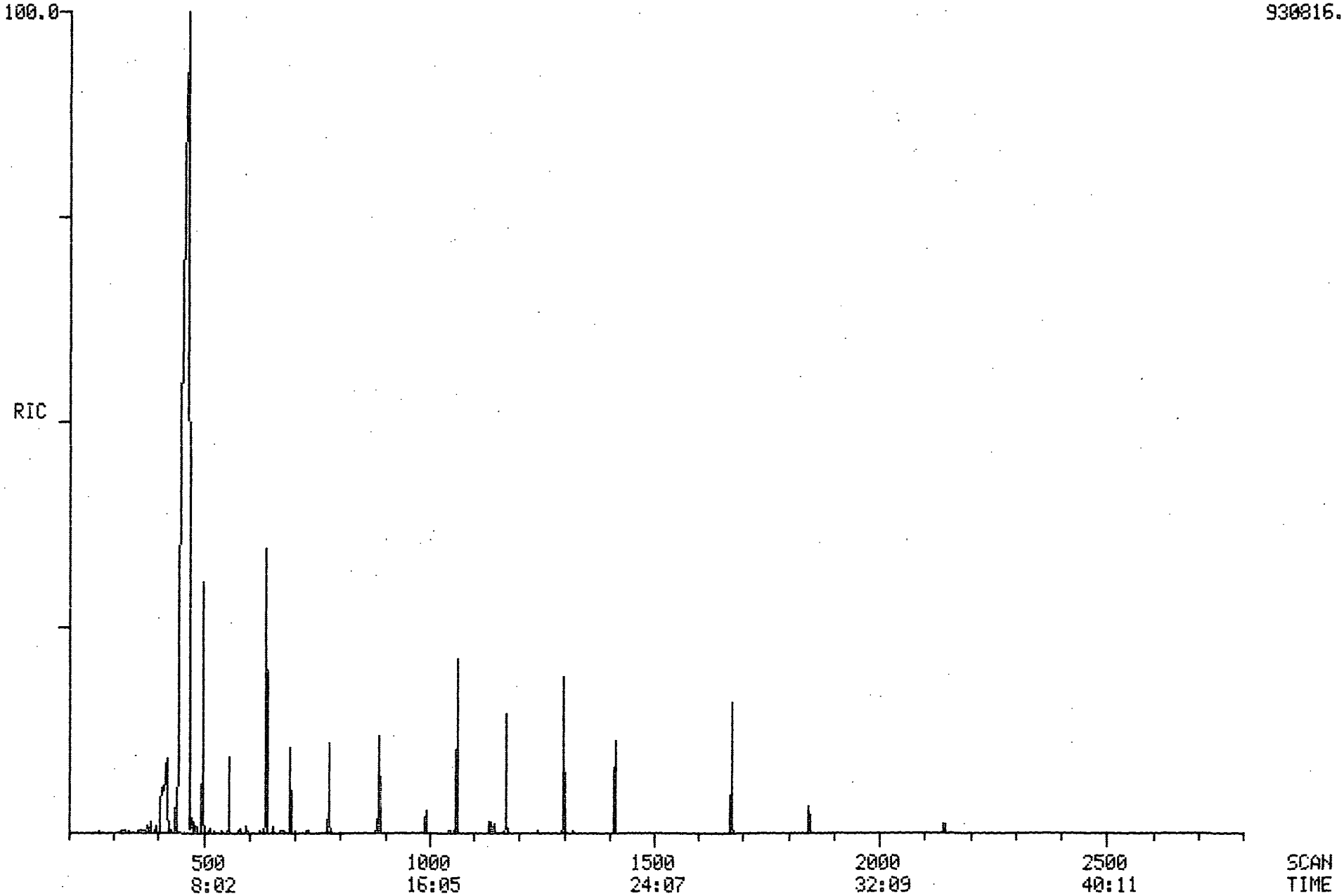


MIDRIC
06/14/91 20:28:00
SAMPLE: SBLK01 61491
CONDS.: MS-B CASE: EOH0022
RANGE: G 1,2800 LABEL: N 0, 4.0 QUAN: A 0, 1.0 J 0 BASE: U 20, 3

DATA: AD17BL614 #1 SCANS 200 TO 2800
CALI: AD17BL614 #2

00690

930816.



PROCEDURE: TCA DIAGNOSTIC REPORT 6/16/91 17:50:2
DATA FILE: AD17BL614
REFERENCE: 82711
NAME LIST: 8270 INITIALIZATION OPTION: 4 PROCESSING OPTION: 3
REPORT: DSISTD

< ---- STANDARDS ----- ><				--- PLUS UNKNOWNS --- ><				- LIST NAMES - >
PROC	USED	POSS	RMS	PROC	USED	POSS	RMS	STANDARD/UNKNOWN
6	5	1	48	12	12	1	132	DSISTD/DSSURR
6	6	1	42	21	6	1	42	DSISTD/82701
6	6	1	42	21	6	1	42	DSISTD/82702
6	6	1	42	21	6	1	42	DSISTD/82703
6	6	1	42	21	6	1	42	DSISTD/82704
6	6	1	42	21	6	1	42	DSISTD/82705
6	6	1	42	21	7	1	37	DSISTD/82706

102 COMPOUNDS PROCESSED, 12 FOUND

< COMPOUND ><				---------- SEARCH ---------- >< SAT ><						------ CHRO -------		
NO	LIB	ENTRY	REF	PRED	SEL	DELTA	PEAKS	FIT	PEAKS	M/Z	TOP	DELTA PEAK
1	DS	1	-683	690	690	.	1	975	.	152	690	.
2	DS	2	-882	889	888	-1	1	909	.	136	888	.
3	DS	3	-1165	1172	1172	.	1	950	.	164	1172	.
4	DS	4	-1407	1414	1414	.	1	991	.	188	1414	.
5	DS	5	-1839	1846	.	.	.	.	.	240	1846	.
6	DS	6	-2136	2143	2143	.	1	939	.	264	2143	.
7	DS	7	-488	496	499	3	1	974	.	112	499	.
8	DS	8	-630	637	637	.	1	946	.	99	637	.
9	DS	9	-769	776	775	-1	1	977	.	82	775	.
10	DS	10	-1057	1064	1064	.	1	990	.	172	1064	.
11	DS	11	-1294	1301	1300	-1	1	964	.	330	1300	.
12	DS	12	-1668	1675	1675	.	1	981	.	244	1675	.
13	DS	13	-263	270	.	.	.	.	.	42	268	.
14	DS	14	-393	400	.	.	.	.	.	93	.	.
15	DS	15	-462	469	.	.	.	.	.	80	467	.
16	DS	16	-569	576	.	.	.	.	.	79	.	.
17	DS	17	-632	639	.	.	.	.	.	94	.	.
18	DS	18	-634	641	.	.	.	.	.	93	.	.
19	DS	19	-646	653	.	.	.	.	.	93	.	.
20	DS	20	-651	658	.	.	.	.	.	128	.	.
21	DS	21	-674	681	.	.	.	.	.	146	.	.
22	DS	22	-686	693	.	.	.	.	.	146	.	.
23	DS	23	-706	713	.	.	.	.	.	108	.	.
24	DS	24	-708	715	.	.	.	.	.	146	.	.
25	DS	25	-723	730	.	.	.	.	.	108	.	.
26	DS	26	-727	734	.	.	.	.	.	45	.	.
27	DS	27	-723	730	.	.	.	.	.	108	.	.
28	DS	28	-749	756	.	.	.	.	.	70	.	.
29	DS	29	-761	768	.	.	.	.	.	117	.	.
30	DS	30	-747	754	.	.	.	.	.	105	752	.
31	DS	31	-773	780	.	.	.	.	.	77	.	.
32	DS	32	-797	804	.	.	.	.	.	42	.	.
33	DS	33	-811	818	.	.	.	.	.	82	.	.
34	DS	34	-822	829	.	.	.	.	.	139	.	.
35	DS	35	-830	837	.	.	.	.	.	122	.	.
36	DS	36	-846	853	.	.	.	.	.	93	.	.
37	DS	39	-860	867	.	.	.	.	.	162	.	.
38	DS	40	-873	880	.	.	.	.	.	180	.	.
39	DS	41	-885	892	.	.	.	.	.	128	.	.
40	DS	42	-895	902	.	.	.	.	.	127	.	.
41	DS	43	-896	903	.	.	.	.	.	162	.	.
42	DS	44	-906	913	.	.	.	.	.	225	.	.
43	DS	45	-951	958						84		

44	DS	46	-973	980	.	.	.	.	.	107	.	.
45	DS	47	-997	1004	.	.	.	.	.	142	.	.
46	DS	48	-1024	1031	.	.	.	.	.	216	.	.
47	DS	49	-1022	1029	.	.	.	.	.	237	.	.
48	DS	50	-1042	1049	.	.	.	.	.	196	.	.
49	DS	51	-1048	1055	.	.	.	.	.	196	.	.
50	DS	52	-1076	1083	.	.	.	.	.	162	.	.
51	DS	53	-1076	1083	.	.	.	.	.	162	.	.
52	DS	54	-1093	1100	.	.	.	.	.	65	.	.
53	DS	55	-1124	1131	.	.	.	.	.	163	.	.
54	DS	56	-1133	1140	.	.	.	.	.	165	.	.
55	DS	57	-1142	1149	.	.	.	.	.	152	.	.
56	DS	58	-1160	1167	.	.	.	.	.	138	.	.
57	DS	59	-1171	1178	.	.	.	.	.	154	.	.
58	DS	60	-1177	1184	.	.	.	.	.	184	.	.
59	DS	61	-1187	1194	.	.	.	.	.	139	.	.
60	DS	62	-1199	1206	.	.	.	.	.	168	.	.
61	DS	63	-1199	1206	.	.	.	.	.	165	.	.
62	DS	64	-1192	1199	.	.	.	.	.	250	.	.
63	DS	65	-1212	1219	.	.	.	.	.	143	.	.
64	DS	66	-1219	1226	.	.	.	.	.	232	.	.
65	DS	67	-1225	1232	.	.	.	.	.	143	.	.
66	DS	68	-1239	1246	.	.	.	.	.	149	1244	.
67	DS	69	-1256	1263	.	.	.	.	.	204	.	.
68	DS	70	-1255	1262	.	.	.	.	.	166	.	.
69	DS	71	-1259	1266	.	.	.	.	.	138	.	.
70	DS	72	-1264	1271	.	.	.	.	.	198	.	.
71	DS	73	-1276	1283	.	.	.	.	.	169	.	.
72	DS	74	-1282	1289	.	.	.	.	.	77	.	.
73	DS	75	-1335	1342	.	.	.	.	.	248	.	.
74	DS	76	-1327	1334	.	.	.	.	.	108	.	.
75	DS	78	-1344	1351	.	.	.	.	.	284	.	.
76	DS	79	-1378	1385	.	.	.	.	.	169	.	.
77	DS	81	-1376	1383	.	.	.	.	.	266	.	.
78	DS	83	-1388	1395	.	.	.	.	.	173	.	.
79	DS	84	-1379	1386	.	.	.	.	.	295	.	.
80	DS	85	-1412	1419	.	.	.	.	.	178	.	.
81	DS	86	-1420	1427	.	.	.	.	.	178	.	.
82	DS	89	-1504	1511	.	.	.	.	.	149	1511	.
83	DS	92	-1605	1612	.	.	.	.	.	202	.	.
84	DS	93	-1642	1649	.	.	.	.	.	202	.	.
85	DS	96	-1627	1634	.	.	.	.	.	184	.	.
86	DS	98	-1691	1698	.	.	.	.	.	120	.	.
87	DS	103	-1748	1755	.	.	.	.	.	149	.	.
88	DS	108	-1833	1840	.	.	.	.	.	252	.	.
89	DS	109	-1837	1844	.	.	.	.	.	228	.	.
90	DS	110	-1843	1850	.	.	.	.	.	228	.	.
91	DS	111	-1840	1847	1847	.	1	956	.	149	1847	.
92	DS	112	-1955	1962	.	.	.	.	.	149	.	.
93	DS	113	-2041	2048	.	.	.	.	.	256	.	.
94	DS	114	-2042	2049	.	.	.	.	.	252	.	.
95	DS	115	-2049	2056	.	.	.	.	.	252	.	.
96	DS	116	-2122	2129	.	.	.	.	.	252	.	.
97	DS	117	-2221	2228	.	.	.	.	.	268	.	.
98	DS	118	-2499	2506	.	.	.	.	.	276	.	.
99	DS	119	-2500	2507	.	.	.	.	.	278	.	.
100	DS	120	-2598	2605	.	.	.	.	.	276	.	.
101	DS	128	-2421	2428	.	.	.	.	.	279	.	.
102	DS	37	-847	854	.	.	.	.	.	122	.	.

Quantitation Report File: AD17BL614

Data: AD17BL614.TI
06/14/91 20:28:00
Sample: SBLK01 61491
Conds.: MS-B CASE: EOH0022
Submitted by: Analyst: JOHNSON

AMOUNT=AREA * REF AMNT/(REF AREA * RESP FACT)
Resp. fac. from Library Entry

No	Name
1	ISTD D4-1,4-DICHLOROBENZENE
2	ISTD D-8-NAPHTHALENE
3	ISTD ACENAPHTHENE-D10
4	INTERNAL STANDARD D-10-PHENANTHRENE
5	INTERNAL STANDARD D-12-CHRYSENE
6	ISTD D-12 PERYLENE
7	SURROGATE 2-FLUOROPHENOL
8	SURROGATE D-6-PHENOL
9	SURROGATE D5-NITROBENZENE
10	SURROGATE 2-FLUOROBIPHENYL
11	SURROGATE STANDARD 2,4,6-TRIBROMOPHENOL
12	SURROGATE STANDARD P-TERPHENYL D-14
13	N-NITROSODIMETHYLAMINE
14	2-PICOLINE
15	METHYL METHANESULFONATE
16	ETHYL METHANESULFONATE
17	C315 PHENOL
18	ANILINE
19	BIS(2-CHLOROETHYL)ETHER
20	2-CHLOROPHENOL
21	1,3-DICHLOROBENZENE
22	1,4-DICHLOROBENZENE
23	BENZYL ALCOHOL
24	1,2-DICHLOROBENZENE
25	2-METHYLPHENOL
26	BIS(2-CHLOROISOPROPYL)ETHER
27	4-METHYLPHENOL
28	N-NITROSO-DI-N-PROPYLAMINE
29	HEXACHLOROETHANE
30	ACETOPHENONE
31	NITROBENZENE
32	N-NITROSOPIPERIDINE
33	ISOPHORONE
34	2-NITROPHENOL
35	2,4-DIMETHYLPHENOL
36	BIS(2-CHLOROETHOXY)METHANE
37	2,4-DICHLOROPHENOL
38	1,2,4-TRICHLOROBENZENE
39	NAPHTHALENE
40	4-CHLOROANILINE
41	2,6-DICHLOROPHENOL
42	HEXACHLOROBUTADIENE
43	N-NITROSO-DI-N-BUTYLAMINE
44	4-CHLORO-3-METHYLPHENOL
45	2-METHYL NAPHTHALENE
46	1,2,4,5-TETRACHLOROBENZENE
47	HEXACHLOROCYCLOPENTADIENE
48	2,4,6-TRICHLOROPHENOL
49	2,4,5-TRICHLOROPHENOL
50	2-CHLORONAPHTHALENE

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount	%Tot
1	152	690	11:06	1	1.000	A BB	27641.	40.000 UG	3.21
2	136	888	14:17	2	1.000	A BB	109266.	40.000 UG	3.21
3	164	1172	18:50	3	1.000	A BB	65786.	40.000 UG	3.21
4	188	1414	22:44	4	1.000	A BB	91603.	40.000 UG	3.21
5	240	1846	29:41	5	1.000	A BB	32688.	40.000 UG	3.21
6	264	2143	34:27	6	1.000	A BB	23083.	40.000 UG	3.21
7	112	499	8:01	1	0.723	A BB	128087.	113.356 UG	9.09
8	99	637	10:14	1	0.923	A BB	186102.	128.647 UG	10.32
9	82	775	12:28	2	0.873	A BB	76882.	42.252 UG	3.39
10	172	1064	17:06	3	0.908	A BB	134549.	68.066 UG	5.46
11	330	1300	20:54	3	1.109	A BB	40504.	165.434 UG	13.27
12	244	1675	26:56	5	0.907	A BB	117901.	87.883 UG	7.05
~~13~~	~~42~~	~~268~~	~~4:19~~	~~1~~	~~0.388~~	~~A BB~~	~~118.~~	~~0.125 UG~~	~~0.01~~ m1
14	NOT FOUND								
~~15~~	~~80~~	~~467~~	~~7:30~~	~~1~~	~~0.677~~	~~A BB~~	~~109.~~	~~0.281 UG~~	~~0.02~~ m3
16	NOT FOUND								
17	NOT FOUND								
18	NOT FOUND								
19	NOT FOUND								
20	NOT FOUND								
21	NOT FOUND								
22	NOT FOUND								
23	NOT FOUND								
24	NOT FOUND								
25	NOT FOUND								
26	NOT FOUND								
27	NOT FOUND								
28	NOT FOUND								
29	NOT FOUND								
~~30~~	~~105~~	~~752~~	~~12:05~~	~~2~~	~~0.847~~	~~A BB~~	~~281.~~	~~0.134 UG~~	~~0.01~~ m3
31	NOT FOUND								
32	NOT FOUND								
33	NOT FOUND								
34	NOT FOUND								
35	NOT FOUND								
36	NOT FOUND								
37	NOT FOUND								
38	NOT FOUND								
39	NOT FOUND								
40	NOT FOUND								
41	NOT FOUND								
42	NOT FOUND								
43	NOT FOUND								
44	NOT FOUND								
45	NOT FOUND								
46	NOT FOUND								
47	NOT FOUND								
48	NOT FOUND								
49	NOT FOUND								
50	NOT FOUND								

No	Ret(L)	Ratio	RRT(L)	Ratio	Amnt	Amnt(L)	R.Fac	R.Fac(L)	Ratio
1	10:59	1.01	1.000	1.00	40.00	40.00	1.000	1.000	1.00
2	14:11	1.01	1.000	1.00	40.00	40.00	1.000	1.000	1.00
3	18:44	1.01	1.000	1.00	40.00	40.00	1.000	1.000	1.00
4	22:37	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
5	29:34	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
6	34:20	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
7	7:51	1.02	0.714	1.01	113.36	50.00	3.707	1.635	2.27
8	10:08	1.01	0.922	1.00	128.65	50.00	5.386	2.093	2.57
9	12:22	1.01	0.872	1.00	42.25	50.00	0.563	0.666	0.85
10	17:00	1.01	0.907	1.00	68.07	50.00	1.636	1.202	1.36
11	20:48	1.00	1.111	1.00	165.43	50.00	0.493	0.149	3.31
12	26:49	1.00	0.907	1.00	87.88	50.00	2.885	1.642	1.76
13	4:14	1.02	0.385	1.01	0.13	50.00	0.003	1.363	0.00

14	6:19		0.575						
15	7:26	1.01	0.676	1.00	0.28	50.00	0.003	0.561	0.01
16	9:09		0.833						
17	10:10		0.925						
18	10:12		0.928						
19	10:23		0.946						
20	10:28		0.953						
21	10:50		0.987						
22	11:02		1.004						
23	11:21		1.034						
24	11:23		1.037						
25	11:37		1.059						
26	11:41		1.064						
27	11:37		1.059						
28	12:02		1.097						
29	12:14		1.114						
30	12:01	1.01	0.847	1.00	0.13	50.00	0.002	0.770	0.00
31	12:26		0.876						
32	12:49		0.904						
33	13:02		0.920						
34	13:13		0.932						
35	13:21		0.941						
36	13:36		0.959						
37	13:50		0.975						
38	14:02		0.990						
39	14:14		1.003						
40	14:23		1.015						
41	14:24		1.016						
42	14:34		1.027						
43	15:17		1.078						
44	15:39		1.103						
45	16:02		1.130						
46	16:28		0.879						
47	16:26		0.877						
48	16:45		0.894						
49	16:51		0.900						
50	17:18		0.924						

Quantitation Report File: AD17BL614

Data: AD17BL614.TI
06/14/91 20:28:00
Sample: SBLK01 61491
Conds.: MS-B CASE: EOH0022
Submitted by: Analyst: JOHNSON

AMOUNT=AREA * REF AMNT/(REF AREA * RESP FACT)
Resp. fac. from Library Entry

No	Name
51	1-CHLORONAPHTHALENE
52	2-NITROANILINE
53	DIMETHYL PHTHALATE
54	2,6-DINITROTOLUENE
55	ACENAPHTHYLENE
56	3-NITROANILINE
57	ACENAPHTHENE
58	2,4-DINITROPHENOL
59	4-NITROPHENOL
60	DIBENZOFURAN
61	2,4-DINITROTOLUENE
62	PENTACHLOROBENZENE
63	1-NAPHTHYLAMINE
64	2,3,4,6-TETRACHLOROPHENOL
65	2-NAPHTHYLAMINE
66	DIETHYL PHTHALATE
67	4-CHLOROPHENYL PHENYL ETHER
68	FLUORENE
69	4-NITROANILINE
70	4,6-DINITRO-2-METHYLPHENOL
71	N-NITROSODIPHENYLAMINE
72	1,2-DIPHENYLHYDRAZINE
73	4-BROMOPHENYL PHENYL ETHER
74	PHENACETIN
75	HEXACHLOROBENZENE
76	4-AMINOBIPHENYL
77	PENTACHLOROPHENOL
78	PRONAMIDE (PROPYZAMIDE)
79	PENTACHLORONITROBENZENE
80	PHENANTHRENE
81	ANTHRACENE
82	DI-N-BUTYL PHTHALATE
83	FLUORANTHENE
84	PYRENE
85	BENZIDINE
86	P-DIMETHYLAMINOAZOBENZENE
87	BUTYL BENZYL PHTHALATE
88	3,3'-DICHLOROBENZIDINE
89	BENZO(A)ANTHRACENE
90	CHRYSENE
91	BIS(2-ETHYLHEXYL)PHTHALATE
92	DI-N-OCTYL PHTHALATE
93	7,12-DIMETHYLBENZ(A)ANTHRACENE
94	BENZO(B)FLUORANTHENE
95	BENZO(K)FLUORANTHENE
96	BENZO(A)PYRENE
97	3-METHYLCHOLANTHRENE
98	INDENO (1,2,3-CD)PYRENE
99	DIBENZ(A,H)ANTHRACENE
100	BENZO (G,H,I)PERYLENE

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount	%Tot
51	NOT FOUND								
52	NOT FOUND								
53	NOT FOUND								
54	NOT FOUND								
55	NOT FOUND								
56	NOT FOUND								
57	NOT FOUND								
58	NOT FOUND								
59	NOT FOUND								
60	NOT FOUND								
61	NOT FOUND								
62	NOT FOUND								
63	NOT FOUND								
64	NOT FOUND								
65	NOT FOUND								
~~66~~	~~149~~	~~1244~~	~~20:00~~	~~3~~	~~1.061~~	~~A BB~~	~~1255.~~	~~0.512 UG~~	~~0.04~~ m)
67	NOT FOUND								
68	NOT FOUND								
69	NOT FOUND								
70	NOT FOUND								
71	NOT FOUND								
72	NOT FOUND								
73	NOT FOUND								
74	NOT FOUND								
75	NOT FOUND								
76	NOT FOUND								
77	NOT FOUND								
78	NOT FOUND								
79	NOT FOUND								
80	NOT FOUND								
81	NOT FOUND								
~~82~~	~~149~~	~~1511~~	~~24.17~~	~~4~~	~~1.069~~	~~A BB~~	~~381.~~	~~0.127 UG~~	~~0.01~~ m)
83	NOT FOUND								
84	NOT FOUND								
85	NOT FOUND								
86	NOT FOUND								
87	NOT FOUND								
88	NOT FOUND								
89	NOT FOUND								
90	NOT FOUND								
91	149	1847	29:42	5	1.001	A BB	4314.	3.666 UG	0.29 √m)
92	NOT FOUND								
93	NOT FOUND								
94	NOT FOUND								
95	NOT FOUND								
96	NOT FOUND								
97	NOT FOUND								
98	NOT FOUND								
99	NOT FOUND								
100	NOT FOUND								

No	Ret(L)	Ratio	RRT(L)	Ratio	Amnt	Amnt(L)	R.Fac	R.Fac(L)	Ratio
51	17:18		0.924						
52	17:34		0.938						
53	18:04		0.965						
54	18:13		0.973						
55	18:22		0.980						
56	18:39		0.996						
57	18:50		1.005						
58	18:55		1.010						
59	19:05		1.019						
60	19:17		1.029						
61	19:17		1.029						
62	19:10		1.023						
63	19:29		1.040						

00997

64	19:36		1.046						
65	19:42		1.052						
66	19:55	1.00	1.064	1.00	0.51	50.00	0.015	1.491	0.01
67	20:12		1.078						
68	20:11		1.077						
69	20:14		1.081						
70	20:19		0.898						
71	20:31		0.907						
72	20:37		0.911						
73	21:28		0.949						
74	21:20		0.943						
75	21:36		0.955						
76	22:09		0.979						
77	22:07		0.978						
78	22:19		0.986						
79	22:10		0.980						
80	22:42		1.004						
81	22:50		1.009						
82	24:11	1.00	1.069	1.00	0.13	50.00	0.003	1.313	0.00
83	25:48		1.141						
84	26:24		0.893						
85	26:09		0.885						
86	27:11		0.920						
87	28:06		0.951						
88	29:28		0.997						
89	29:32		0.999						
90	29:38		1.002						
91	29:35	1.00	1.001	1.00	3.67	50.00	0.106	1.440	0.07
92	31:26		0.915						
93	32:49		0.956						
94	32:50		0.956						
95	32:56		0.959						
96	34:07		0.993						
97	35:42		1.040						
98	40:11		1.170						
99	40:11		1.170						
100	41:46		1.216						

Quantitation Report File: AD17BL614

Data: AD17BL614.TI
06/14/91 20:28:00
Sample: SBLK01 61491
Conds.: MS-B CASE: EOH0022
Submitted by: Analyst: JOHNSON

AMOUNT=AREA * REF AMNT/(REF AREA * RESP FACT)
Resp. fac. from Library Entry

No	Name
101	DIBENZ(A,J)ACRIDINE
102	BENZOIC ACID

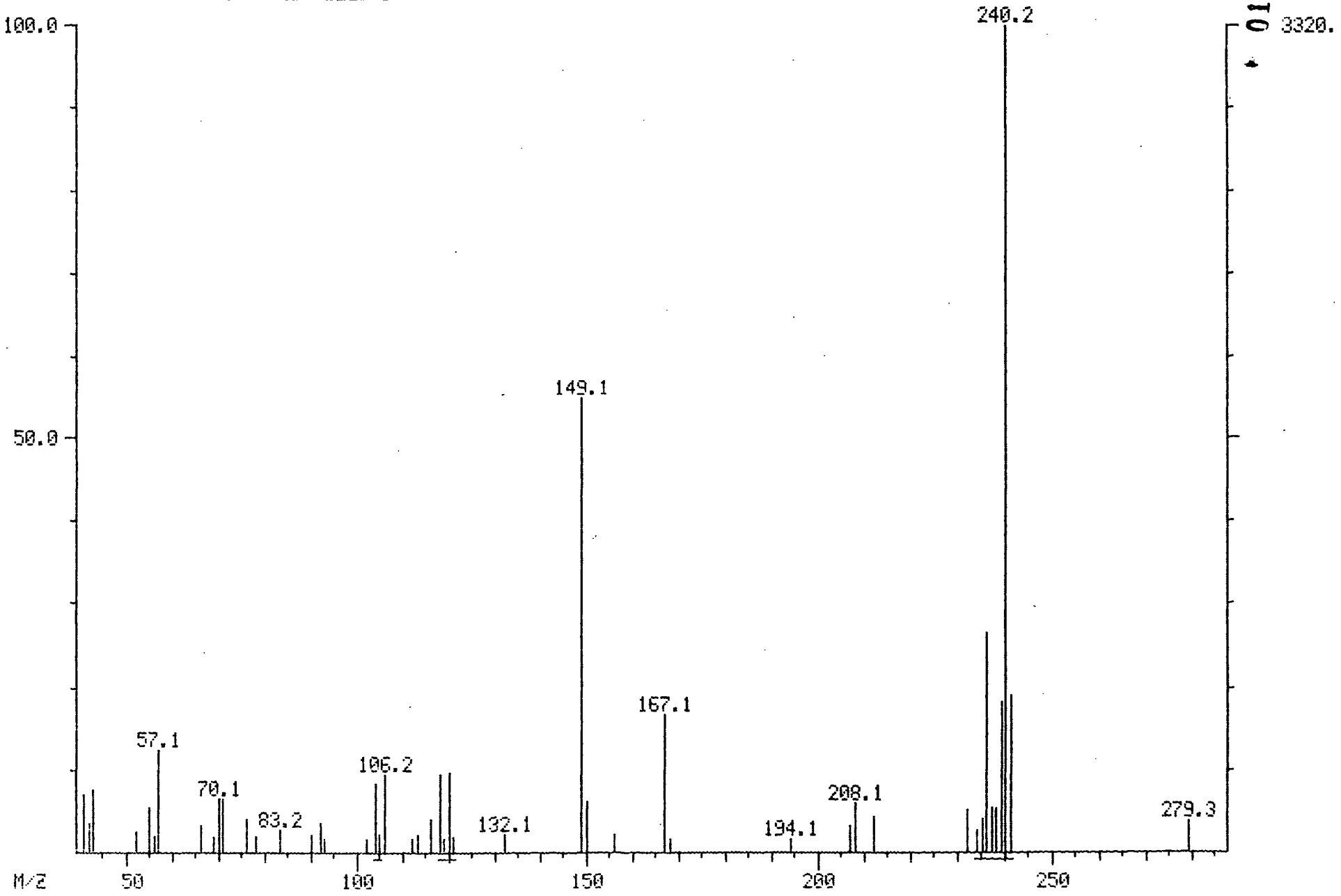
No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount	%Tot
101	NOT FOUND								
102	NOT FOUND								

No	Ret(L)	Ratio	RRT(L)	Ratio	Amnt	Amnt(L)	R.Fac	R.Fac(L)	Ratio
101	38:55		1.133						
102	13:37		0.960						

MID MASS SPECTRUM
06/14/91 20:28:00 + 29:42
SAMPLE: SBLK01 61491
CONDS.: MS-B CASE: EOH0022
GC TEMP: 297 DEG. C

DATA: AD17BL614 #1847
CALI: AD17BL614 #2

BASE M/Z: 240
RIC: 13792.

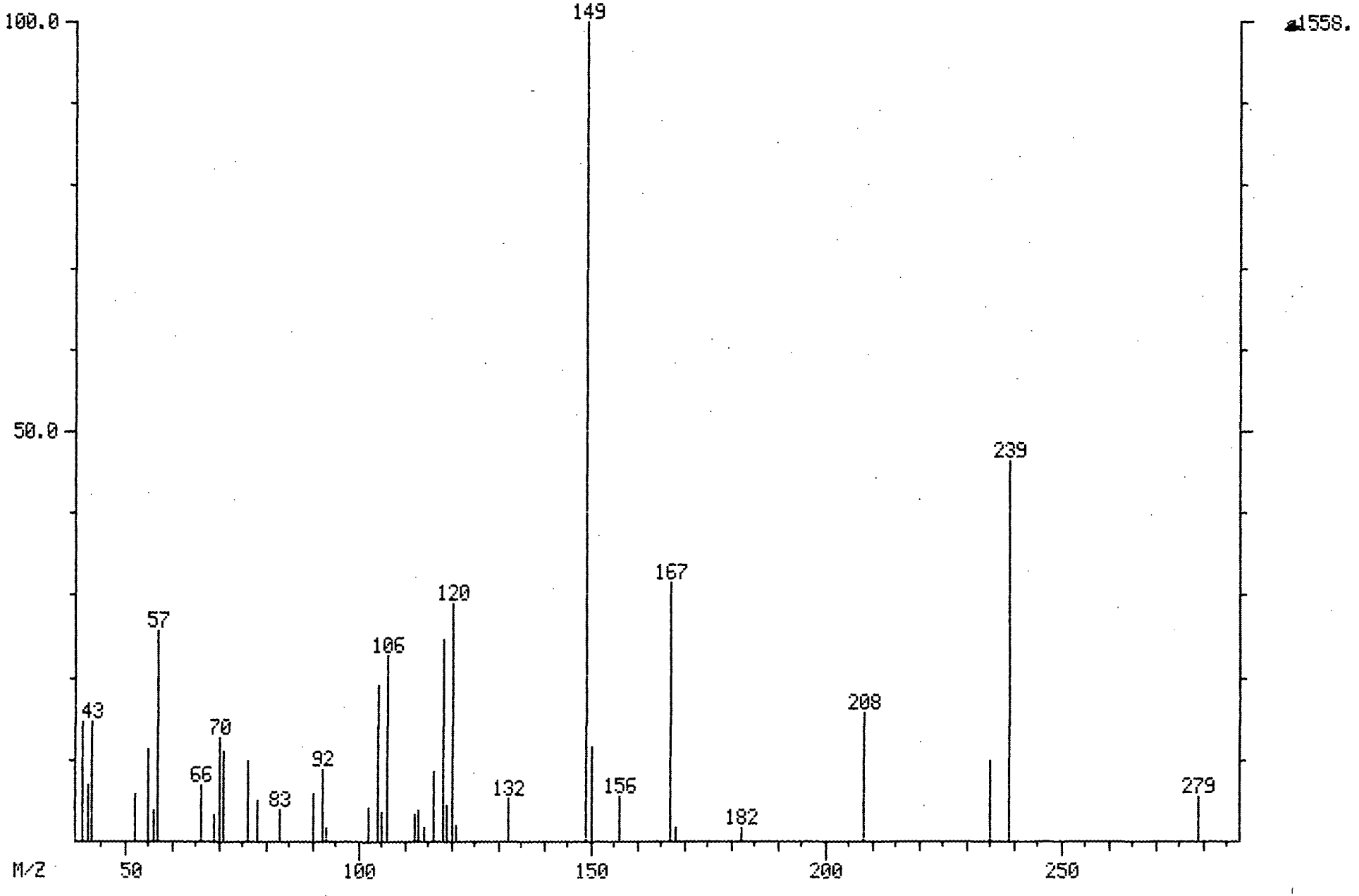


MID MASS SPECTRUM
06/14/91 20:28:00 + 29:42
SAMPLE: SBLK01 61491
CONDS.: MS-B CASE: EOH0022
GC TEMP: 297 DEG. C
ENHANCED (S 15B 2N 0T)

DATA: AD17BL614 #1847
CALI: AD17BL614 #2

BASE M/Z: 149
RIC: 8024.

0010

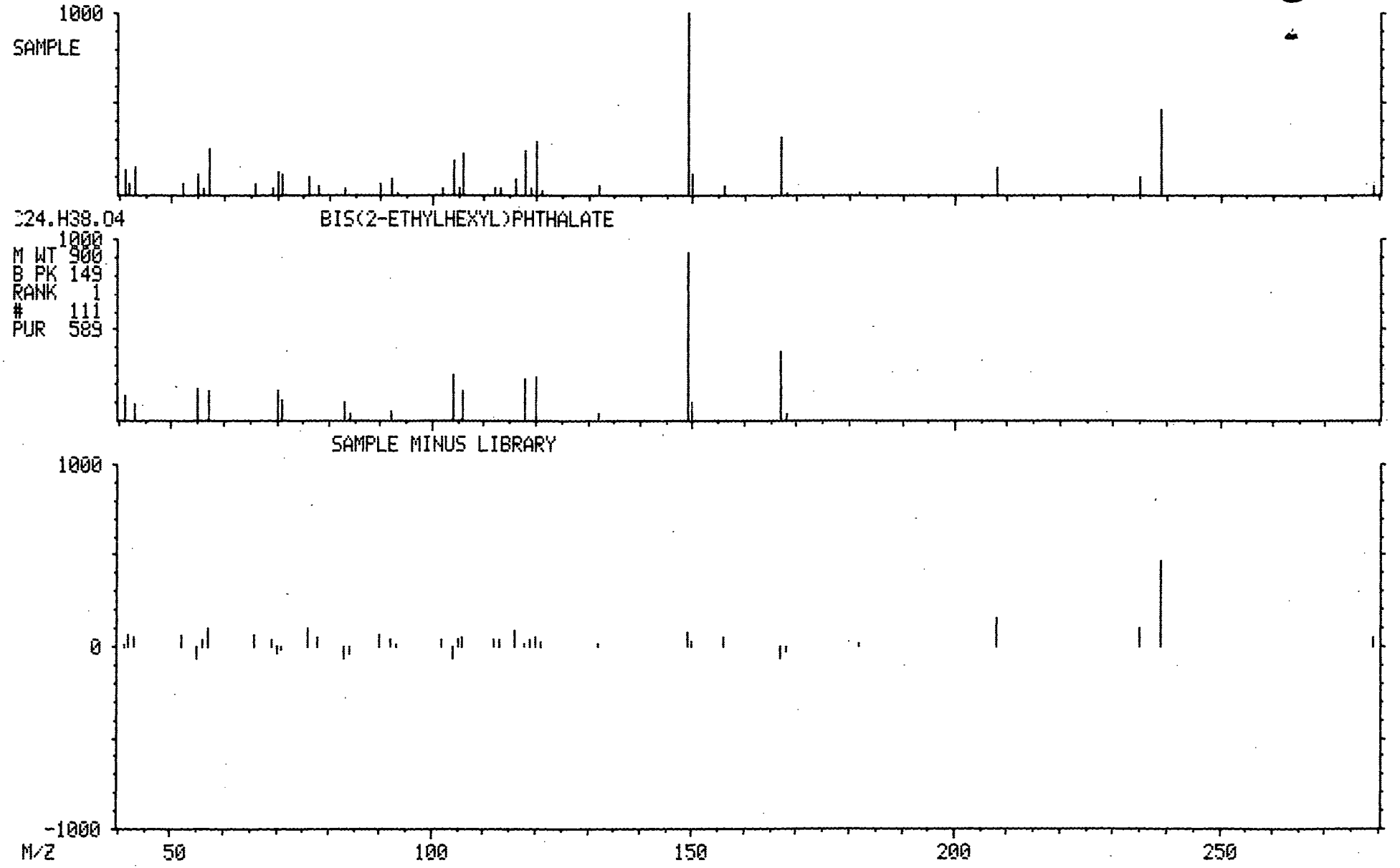


MID LIBRARY SEARCH
06/14/91 20:28:00 + 29:42
SAMPLE: SBLK01 61491
CONDS.: MS-B CASE: EOH0022
ENHANCED (S 15B 2N 0T)

DATA: AD17BL614 #1847
CALI: AD17BL614 # 2

BASE M/Z: 149
RIC: 7999.

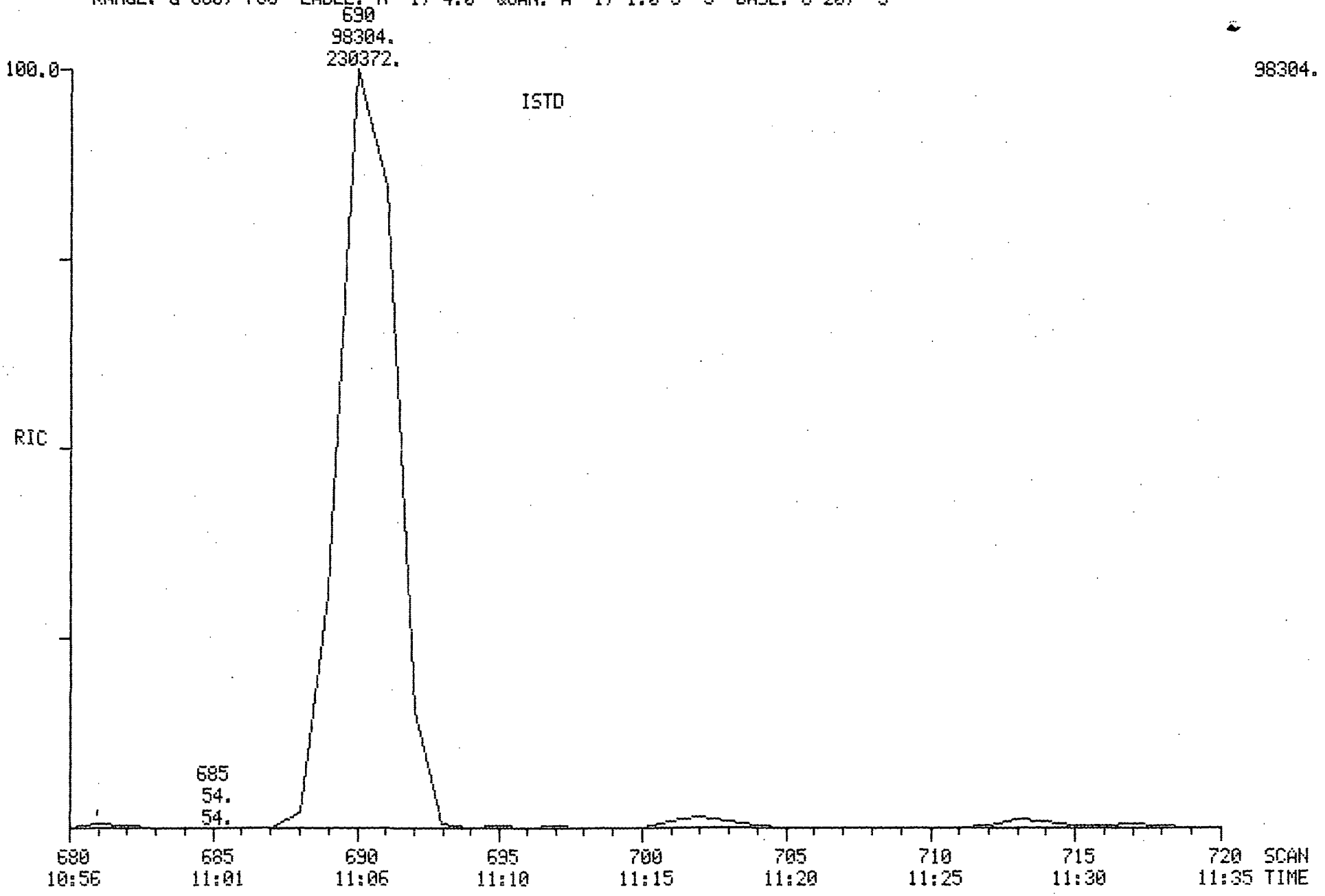
01002



MIDRIC
06/14/91 20:28:00
SAMPLE: SBLK01 61491
CONDS.: MS-B CASE: EOH0022
RANGE: G 680, 700 LABEL: N 1, 4.0 QUAN: A 1, 1.0 J 0 BASE: U 20, 3

DATA: AD17BL614 #1 SCANS 680 TO 720
CALI: AD17BL614 #2

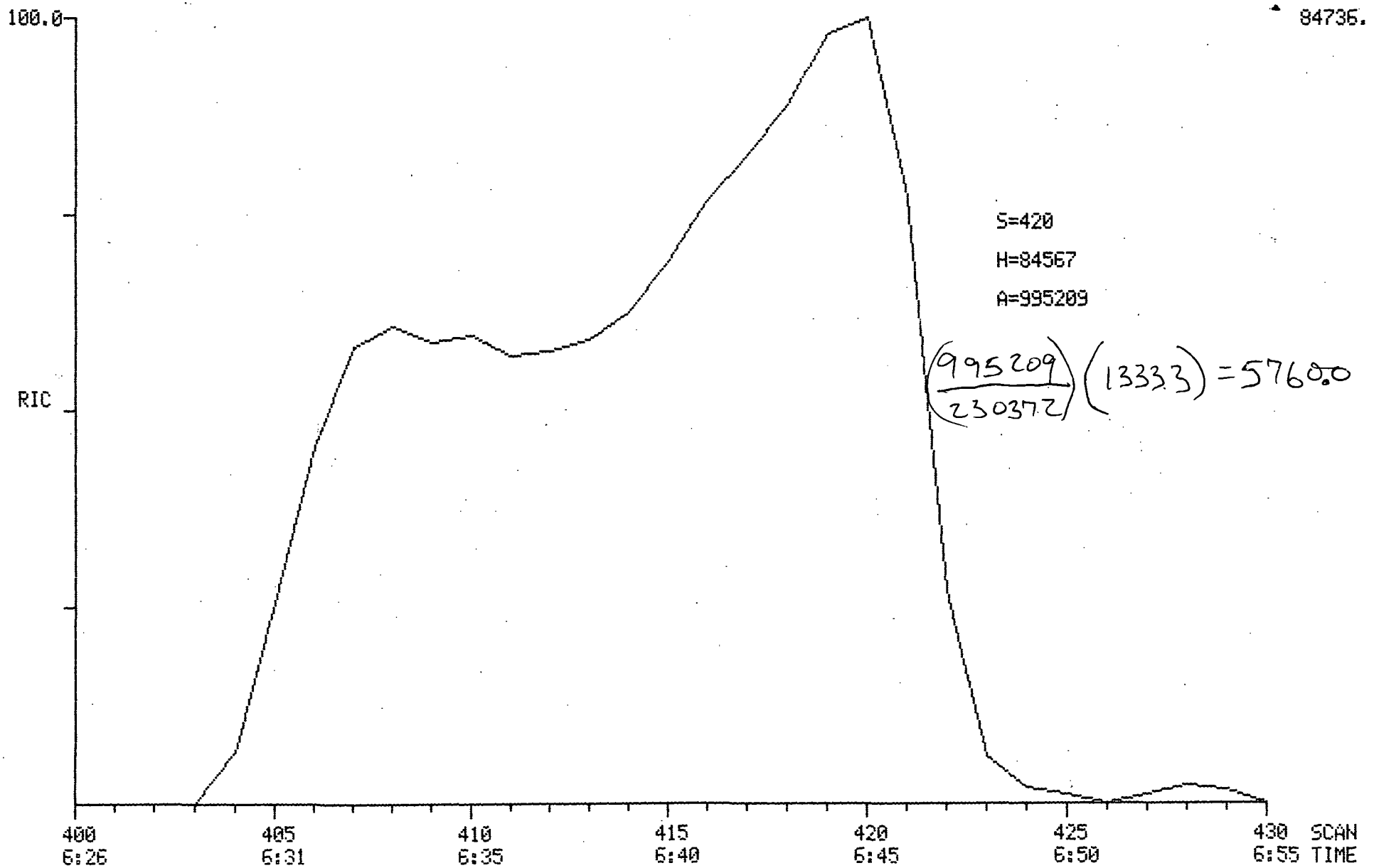
01003



MIDRIC
06/14/91 20:28:00
SAMPLE: SBLK01 61491
CONDS.: MS-B CASE: EOH0022
RANGE: G 1, 2 LABEL: N 1, 4.0 QUAN: A 1, 1.0 J 0 BASE: U 20, 3

DATA: AD17BL614 #383 SCANS 400 TO 430
CALI: AD17BL614 #2

01004

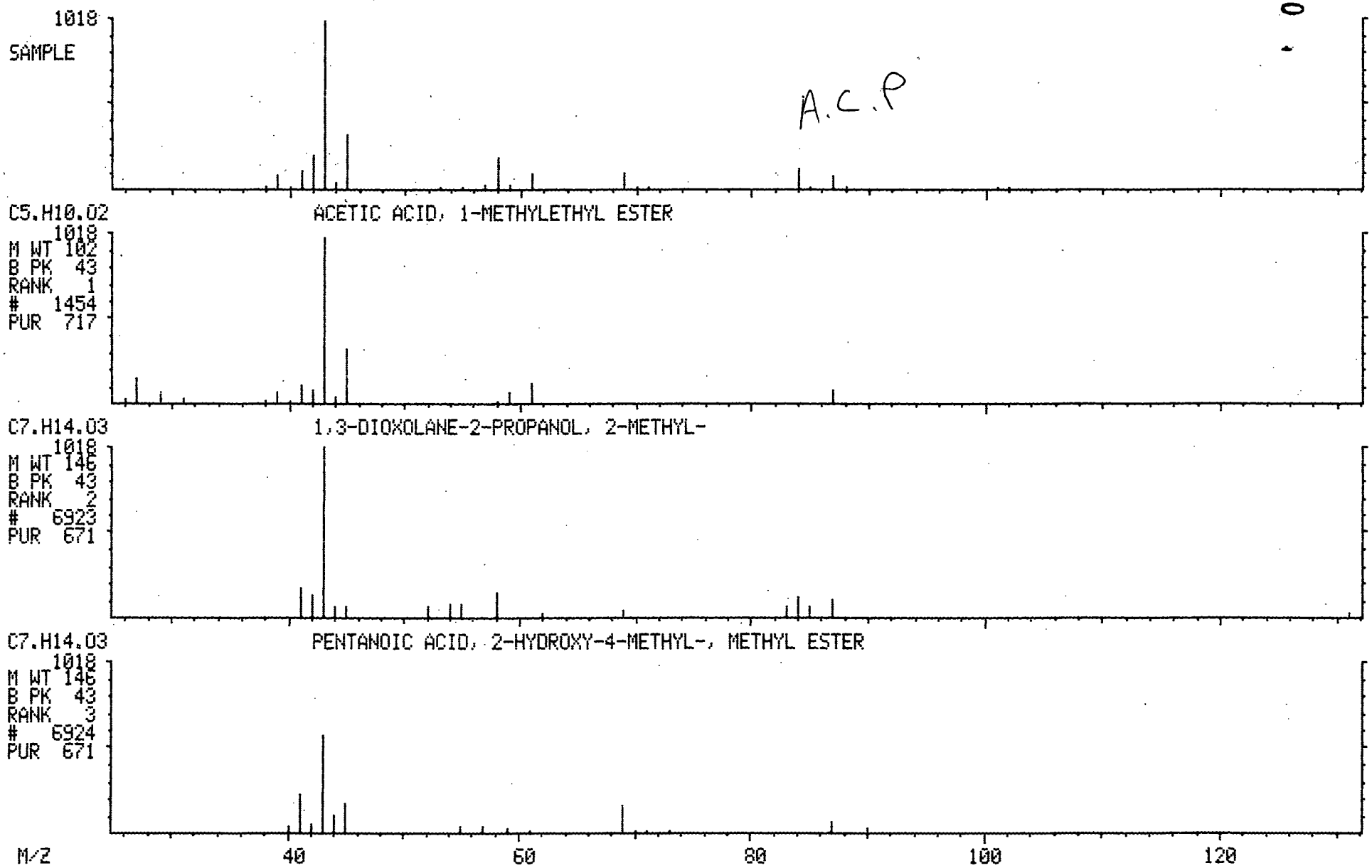


MID LIBRARY SEARCH
06/14/91 20:28:00 + 6:45
SAMPLE: SBLK01 61491
CONDS.: MS-B CASE: EOH0022
ENHANCED (S 15B 2N 0T)

DATA: AD17BL614 # 420
CALI: AD17BL614 # 2

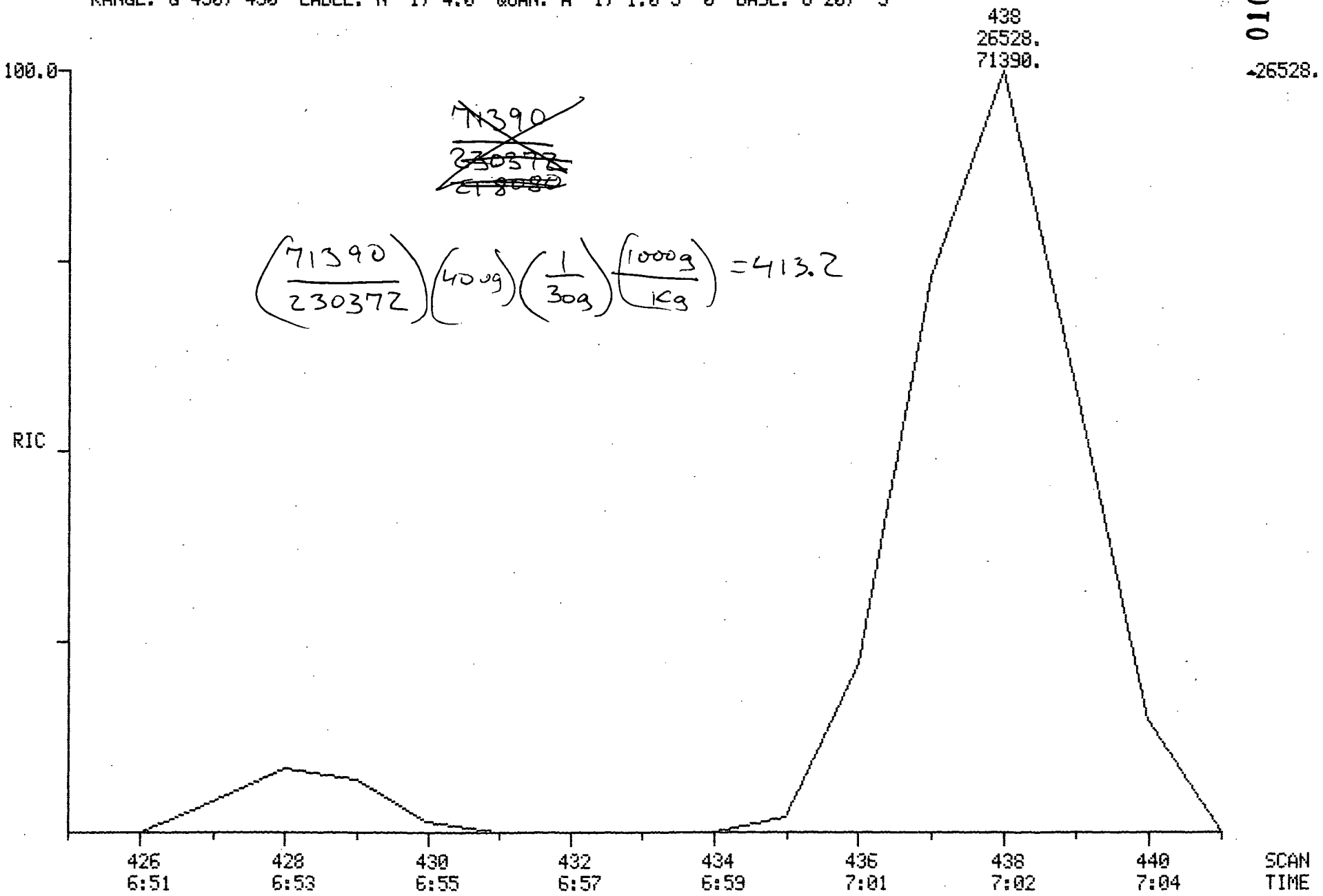
BASE M/Z: 43
RIC: 58815.

01005



MIDRIC
06/14/91 20:28:00
SAMPLE: SBLK01 61491
CONDS.: MS-B CASE: EOH0022
RANGE: G 430, 450 LABEL: N 1, 4.0 QUAN: A 1, 1.0 J 0 BASE: U 20, 3

DATA: AD17BL614 #1 SCANS 425 TO 441
CALI: AD17BL614 #2



~~71390~~
~~230372~~
~~ET 8080~~

$$\left(\frac{71390}{230372}\right)\left(40\,ug\right)\left(\frac{1}{30g}\right)\left(\frac{1000g}{Kg}\right) = 413.2$$

01006

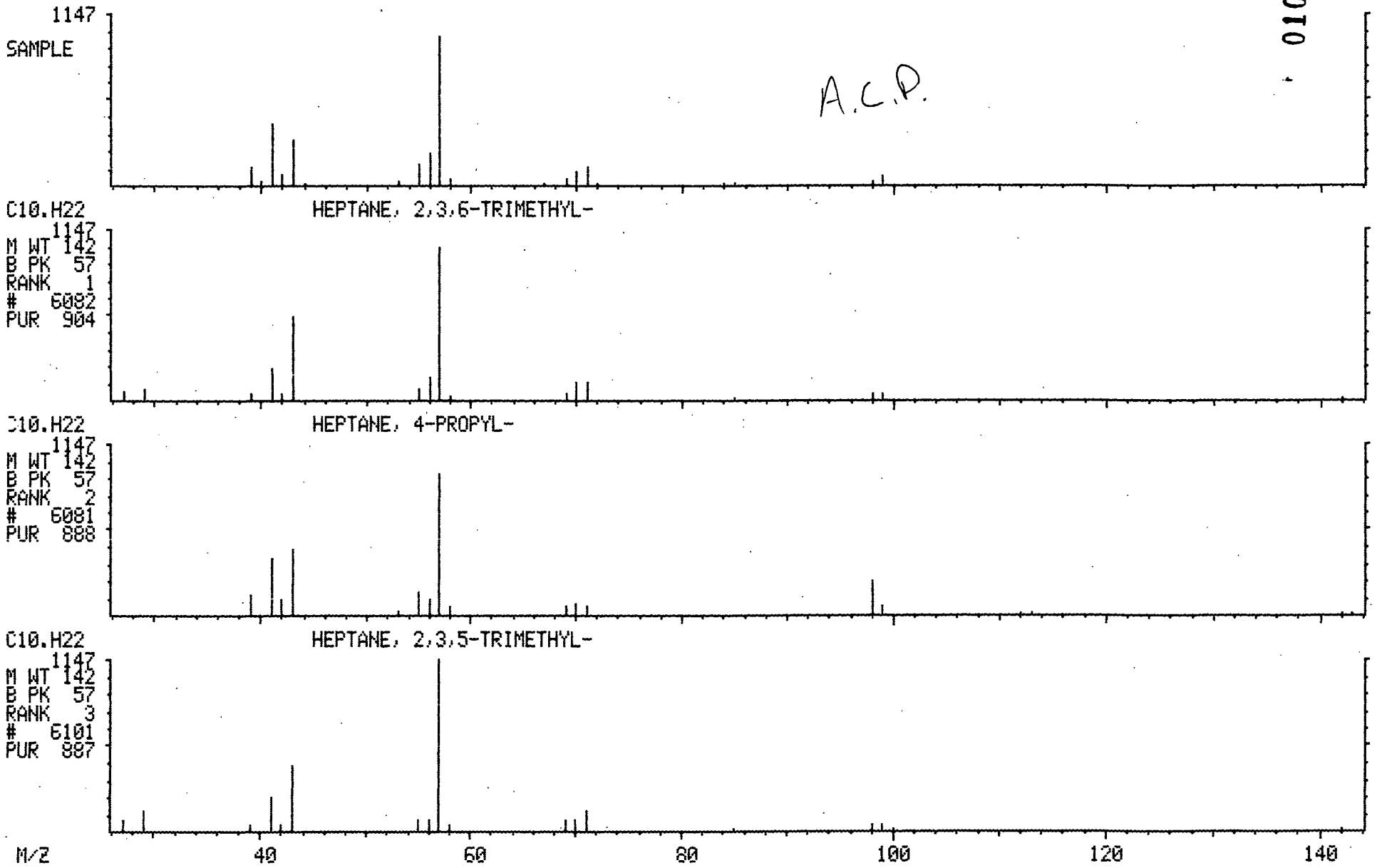
26528.

MID LIBRARY SEARCH
06/14/91 20:28:00 + 7:02
SAMPLE: SBLK01 61491
CONDS.: MS-B CASE: EOH0022
ENHANCED (S 15B 2N 0T)

DATA: AD17BL614 # 438
CALI: AD17BL614 # 2

BASE M/Z: 57
RIC: 24191.

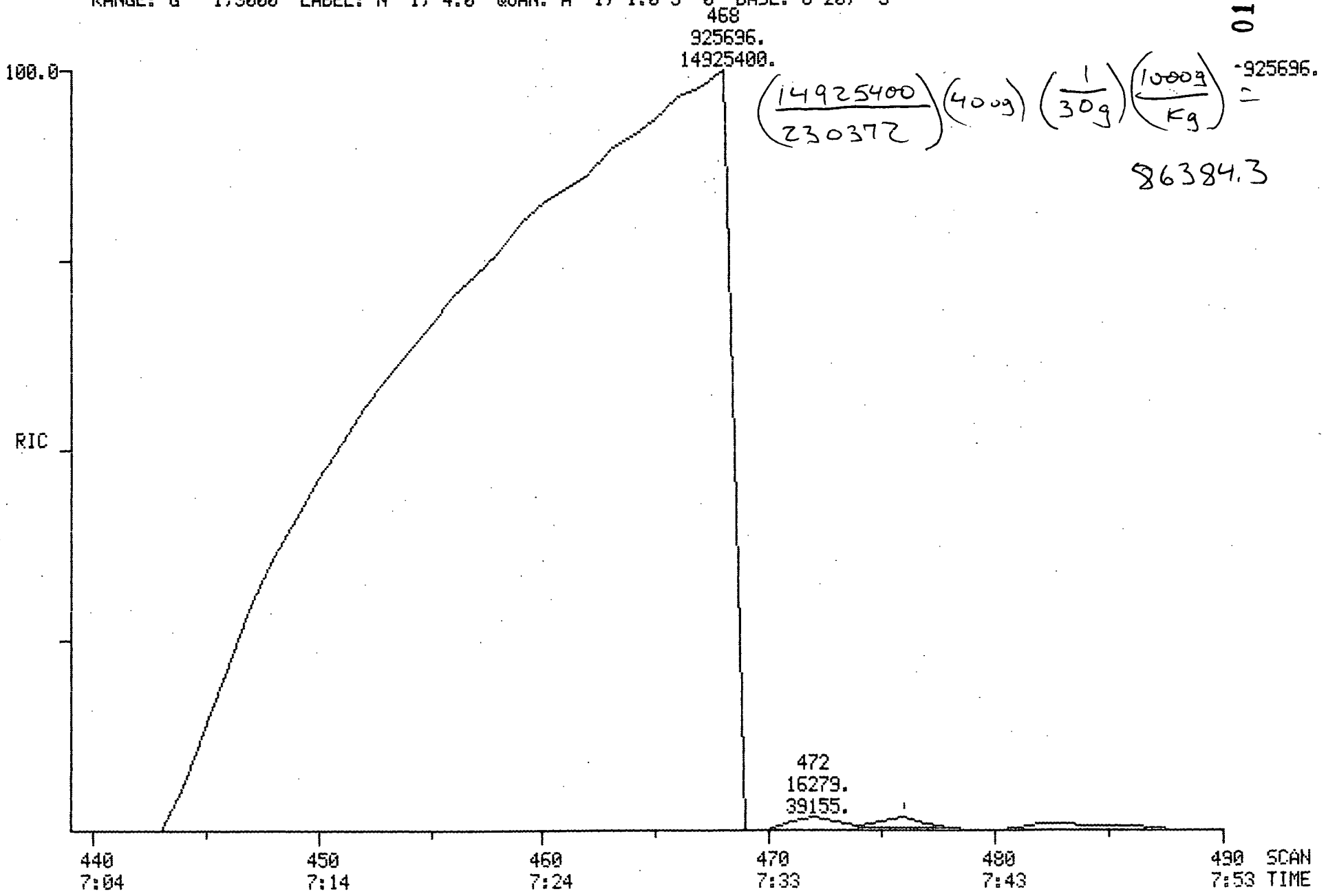
A.C.P.



MIDRIC
06/14/91 20:28:00
SAMPLE: SBLK01 61491
CONDS.: MS-B CASE: EOH0022
RANGE: G 1,3000 LABEL: N 1, 4.0 QUAN: A 1, 1.0 J 0 BASE: U 20, 3

DATA: AD17BL614 #383 SCANS 439 TO 490
CALI: AD17BL614 #2

01008



$\left(\frac{14925400}{230372}\right)(400g)\left(\frac{1}{30g}\right)\left(\frac{1000g}{Kg}\right) =$

86384.3

-925696.

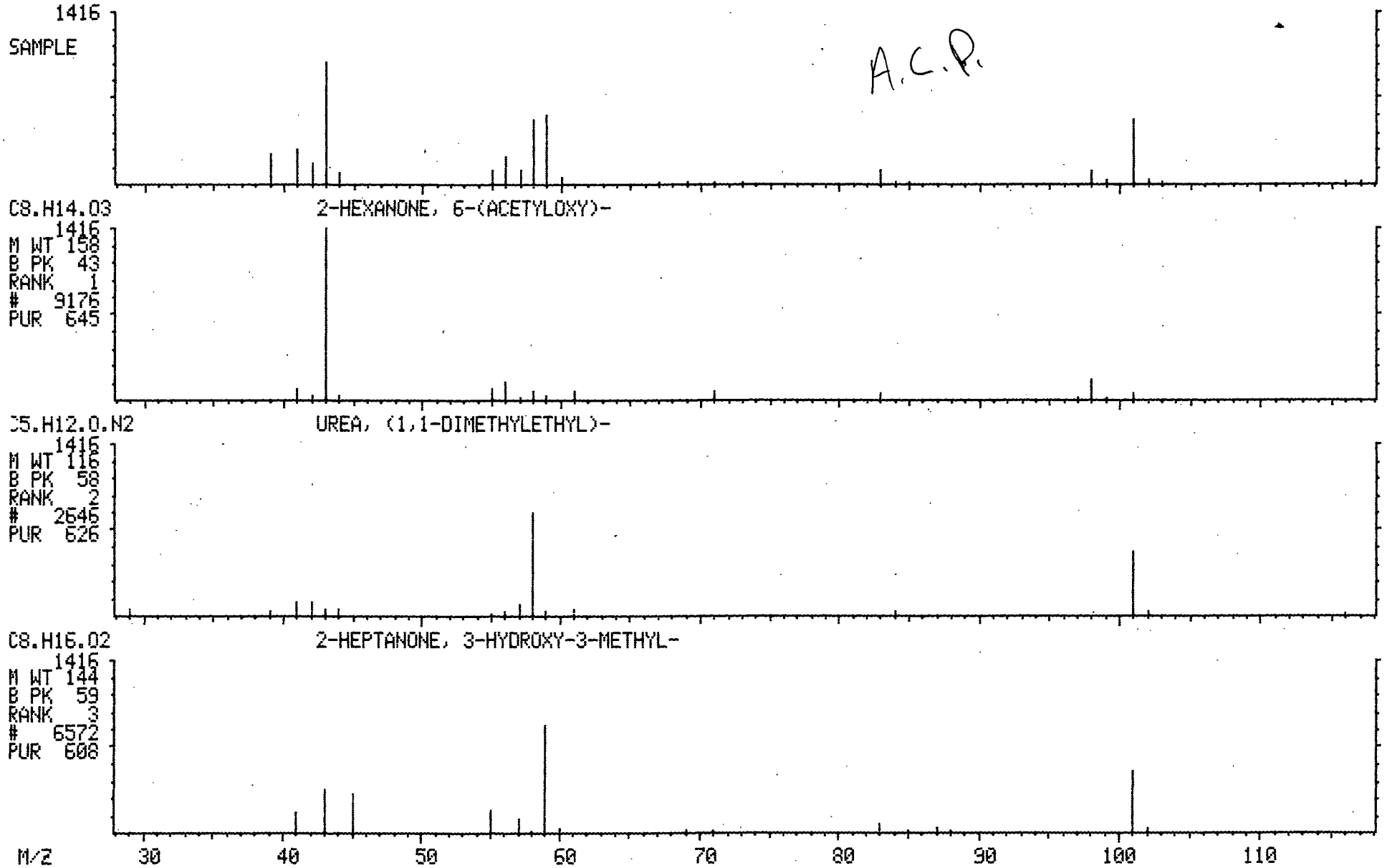
MID LIBRARY SEARCH
06/14/91 20:28:00 + 7:31
SAMPLE: SBLK01 61491
CONDS.: MS-B CASE: EOH0022
ENHANCED (S 15B 2N 0T)

DATA: AD17BL614 # 468
CALI: AD17BL614 # 2

BASE M/Z: 43
RIC: 353791.

010010

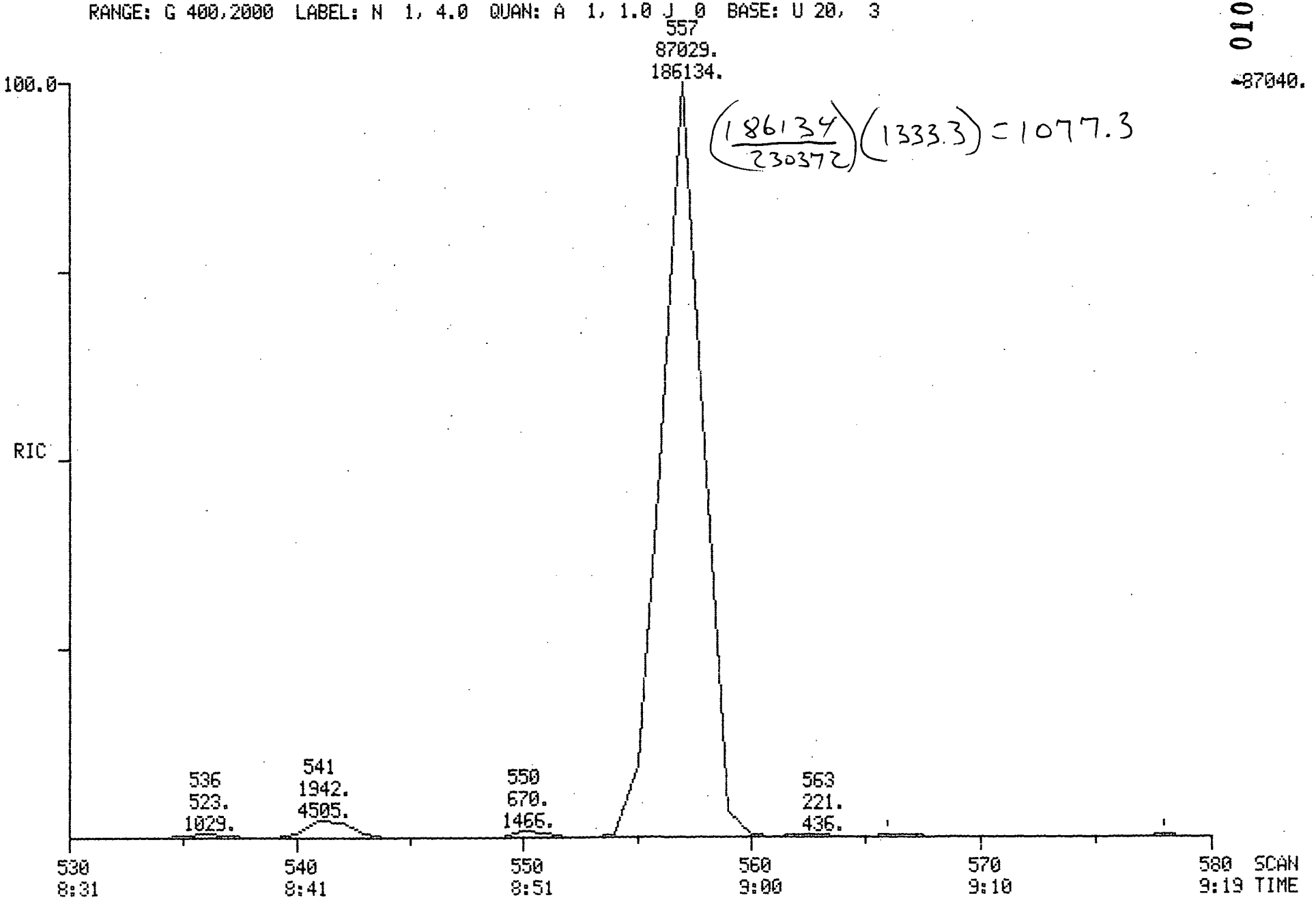
A.C.P.



MIDRIC
06/14/91 20:28:00
SAMPLE: SBLK01 61491
CONDS.: MS-B CASE: EOH0022
RANGE: G 400,2000 LABEL: N 1, 4.0 QUAN: A 1, 1.0 J 0 BASE: U 20, 3

DATA: AD17BL614 #1 SCANS 530 TO 580
CALI: AD17BL614 #2

01010



$\left(\frac{186134}{230372}\right)(1333.3) = 1077.3$

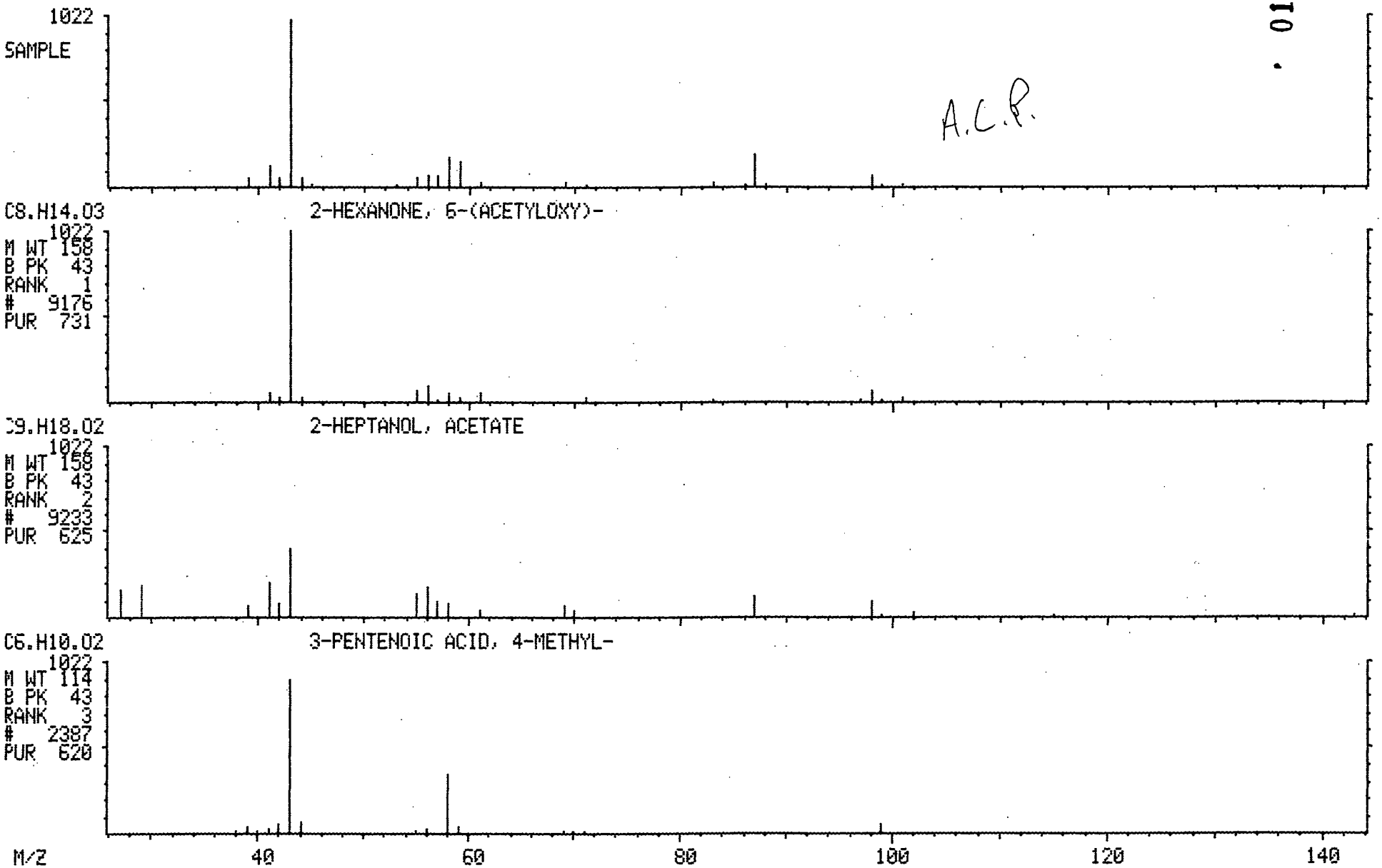
MID LIBRARY SEARCH
06/14/91 20:28:00 + 8:57
SAMPLE: SBLK01 61491
CONDS.: MS-B CASE: EOH0022
ENHANCED (S 15B 2N 0T)

DATA: AD17BL614 # 557
CALI: AD17BL614 # 2

BASE M/Z: 43
RIC: 70015.

01011

A.C.P.



SV
RAW QC DATA
MATRIX SPIKE DATA

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S10MS

Lab Name: DATACHEM LABS Contract: 19005

Lab Code: DATAC Case No.: E0H002 2 SAS No.: _____ SDG No.: 13585

Matrix: (soil/water) SOIL Lab Sample ID: 91-13594MS

Sample wt/vol: 30 (g/mL) G Lab File ID: AD195594MS

Level: (low/med) LOW Date Received: 06/07/91

% Moisture: not dec. _____ dec. 9. Date Extracted: 06/14/91

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 06/14/91

GPC Cleanup: (Y/N) N pH: 5.0 Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	360.	u
111-44-4	bis(2-Chloroethyl)ether	360.	u
95-57-8	2-Chlorophenol	360.	u
541-73-1	1,3-Dichlorobenzene	360.	u
106-46-7	1,4-Dichlorobenzene	360.	u
100-51-6	Benzyl alcohol	360.	u
95-50-1	1,2-Dichlorobenzene	360.	u
95-48-7	2-Methylphenol	360.	u
108-60-1	bis(2-Chloroisopropyl)ether	360.	u
106-44-5	4-Methylphenol	360.	u
621-64-7	N-Nitroso-di-n-propylamine	360.	u
67-72-1	Hexachloroethane	360.	u
98-95-3	Nitrobenzene	360.	u
78-59-1	Isophorone	360.	u
88-75-5	2-Nitrophenol	360.	u
105-67-9	2,4-Dimethylphenol	360.	u
65-85-0	Benzoic acid	1800.	u
111-91-1	bis(2-Chloroethoxy)methane	360.	u
120-83-2	2,4-Dichlorophenol	360.	u
120-82-1	1,2,4-Trichlorobenzene	360.	u
91-20-3	Naphthalene	360.	u
106-47-8	4-Chloroaniline	360.	u
87-68-3	Hexachlorobutadiene	360.	u
59-50-7	4-Chloro-3-methylphenol	360.	u
91-57-6	2-Methylnaphthalene	360.	u
77-47-4	Hexachlorocyclopentadiene	360.	u
88-06-2	2,4,6-Trichlorophenol	360.	u
95-95-4	2,4,5-Trichlorophenol	1800.	u
91-58-7	2-Chloronaphthalene	360.	u
88-74-4	2-Nitroaniline	1800.	u
131-11-3	Dimethylphthalate	360.	u
208-96-8	Acenaphthylene	360.	u
606-20-2	2,6-Dinitrotoluene	360.	u

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S10MS

Lab Name: DATACHEM LABS Contract: 19005

Lab Code: DATAC Case No.: EOH0022 SAS No.: _____ SDG No.: 13585

Matrix: (soil/water) SOIL Lab Sample ID: 91-13594MS

Sample wt/vol: 30 (g/mL) G Lab File ID: AD19S594MS

Level: (low/med) LOW Date Received: 06/07/91

% Moisture: not dec. _____ dec. 9 Date Extracted: 06/14/91

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 06/14/91

GPC Cleanup: (Y/N) N pH: 5.0 Dilution Factor: 1.0

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

CAS NO.	COMPOUND		Q
99-09-2	3-Nitroaniline	1800.	U
83-32-9	Acenaphthene	360.	U
51-28-5	2,4-Dinitrophenol	1800.	U
100-02-7	4-Nitrophenol	1800.	U
132-64-9	Dibenzofuran	360.	U
121-14-2	2,4-Dinitrotoluene	360.	U
84-66-2	Diethylphthalate	360.	U
7005-72-3	4-Chlorophenyl-phenylether	360.	U
86-73-7	Fluorene	360.	U
100-01-6	4-Nitroaniline	1800.	U
534-52-1	4,6-Dinitro-2-methylphenol	1800.	U
86-30-6	N-Nitrosodiphenylamine (1)	360.	U
101-55-3	4-Bromophenyl-phenylether	360.	U
118-74-1	Hexachlorobenzene	360.	U
87-86-5	Pentachlorophenol	1800.	U
85-01-8	Phenanthrene	~~26.~~ 24.	J
120-12-7	Anthracene	360.	U
84-74-2	Di-n-butylphthalate	360.	U
206-44-0	Fluoranthene	~~55.~~ 52.	J
129-00-0	Pyrene	100.	U
85-68-7	Butylbenzylphthalate	360.	U
91-94-1	3,3'-Dichlorobenzidine	720.	U
56-55-3	Benzo(a)anthracene	360.	U
218-01-9	Chrysene	360.	U
117-81-7	bis(2-Ethylhexyl)phthalate	190.	JB
117-84-0	Di-n-octylphthalate	360.	U
205-99-2	Benzo(b)fluoranthene	360.	U
207-08-9	Benzo(k)fluoranthene	360.	U
50-32-8	Benzo(a)pyrene	360.	U
193-39-5	Indeno(1,2,3-cd)pyrene	360.	U
53-70-3	Dibenz(a,h)anthracene	360.	U
191-24-2	Benzo(g,h,i)perylene	~~[illegible]~~ 360.	U

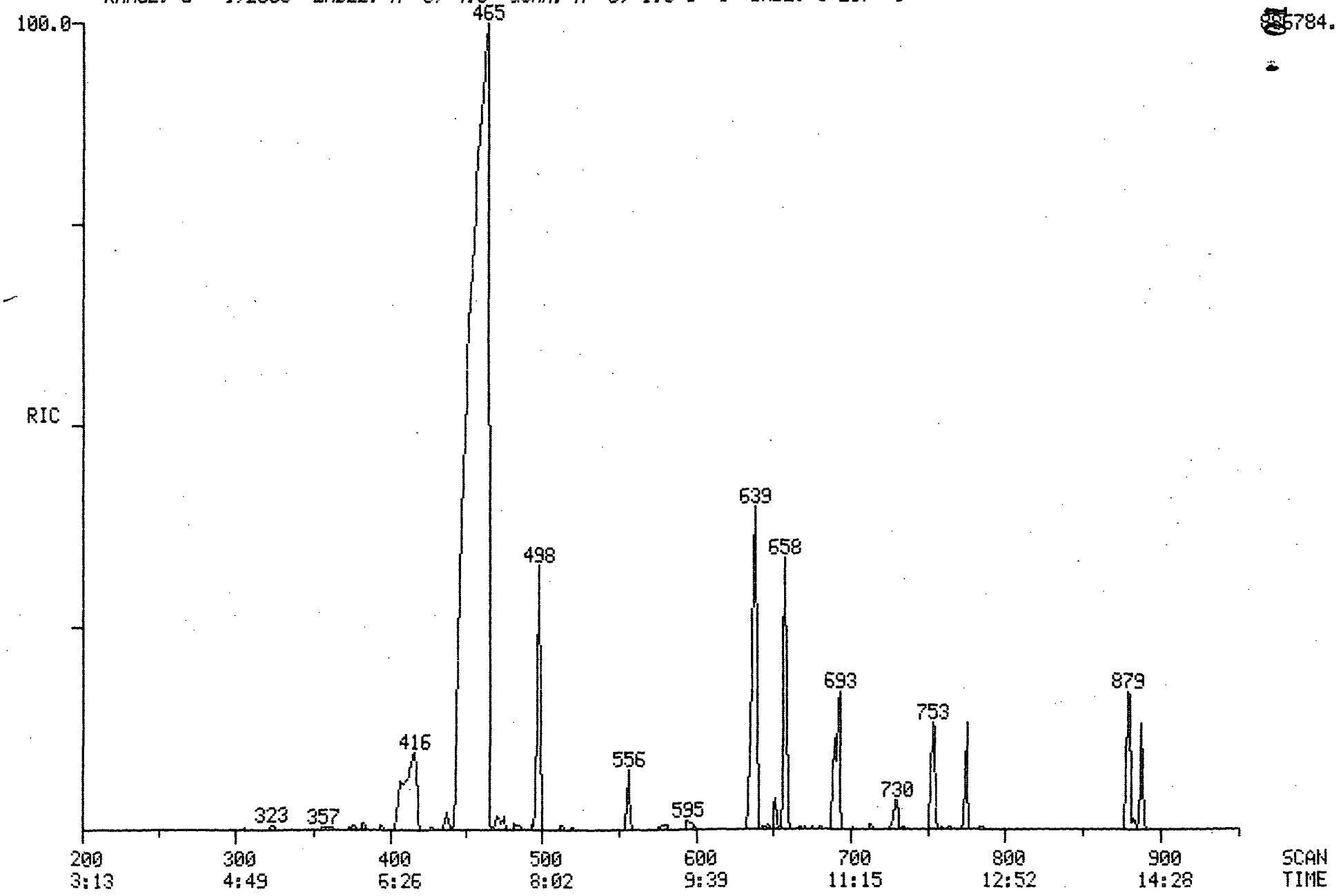
(1) - Cannot be separated from Diphenylamine

MIDRIC
06/14/91 22:17:00
SAMPLE: S10MS 91-13594MS
CONDS.: MS-B CASE: EOH0022
RANGE: G 1,2800 LABEL: N 0, 4.0 QUAN: A 0, 1.0 J 0 BASE: U 20, 3

DATA: AD19S594MS #1
CALI: AD19S594MS #2

SCANS 200 TO 950

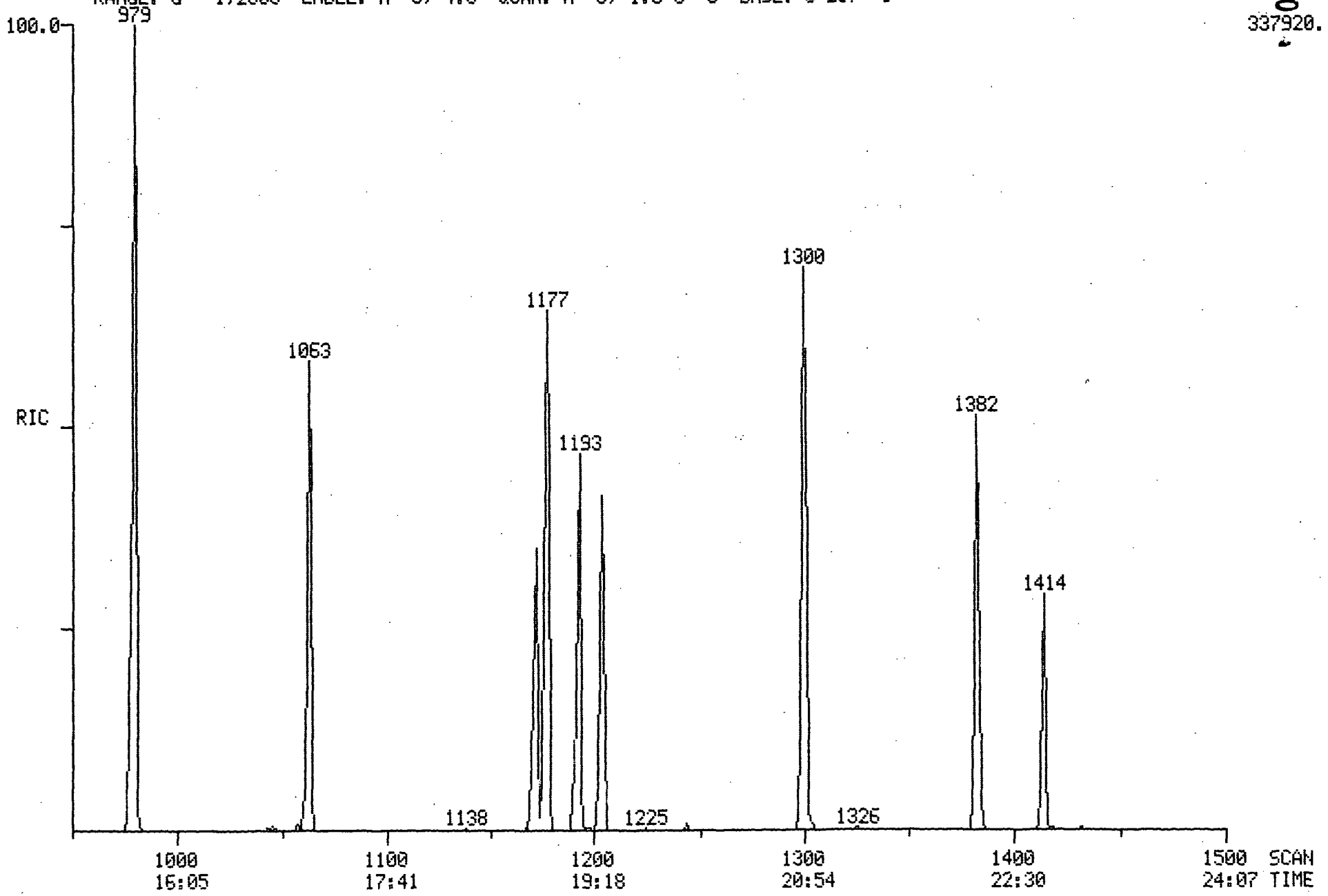
T.J. Masocan
6.17.91



01015

MIDRIC
06/14/91 22:17:00
SAMPLE: S10MS 91-13594MS
CONDS.: MS-B CASE: EOH0022
RANGE: G 1,2800 LABEL: N 0, 4.0 QUAN: A 0, 1.0 J 0 BASE: U 20, 3

DATA: AD19S594MS #1 SCANS 950 TO 1500
CALI: AD19S594MS #2



337920.

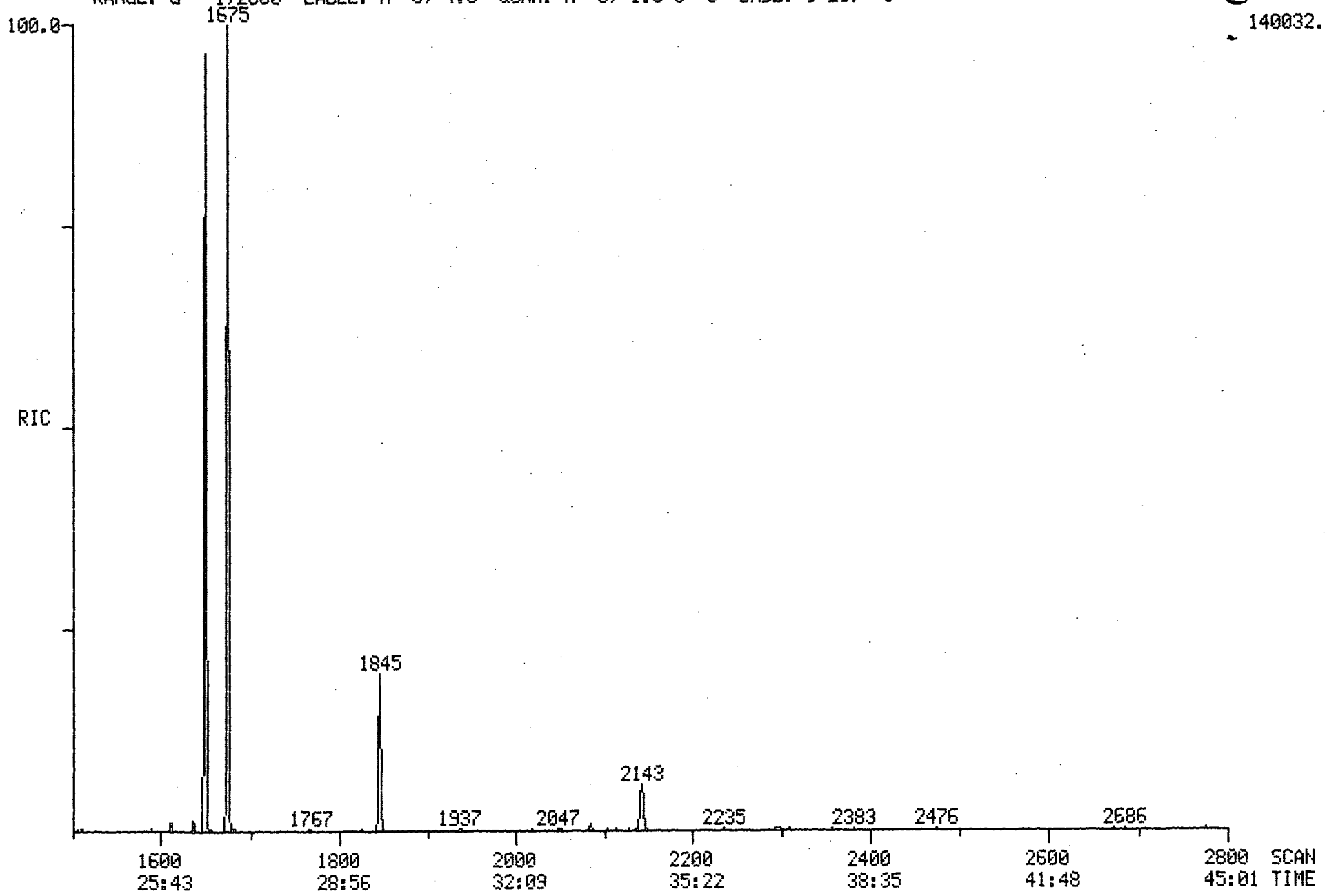
901016

MIDRIC
06/14/91 22:17:00
SAMPLE: S10MS 91-13594MS
CONDS.: MS-B CASE: EOH0022
RANGE: G 1,2800 LABEL: N 0, 4.0 QUAN: A 0, 1.0 J 0 BASE: U 20, 3

DATA: AD19S594MS #1 SCANS 1500 TO 2800
CALI: AD19S594MS #2

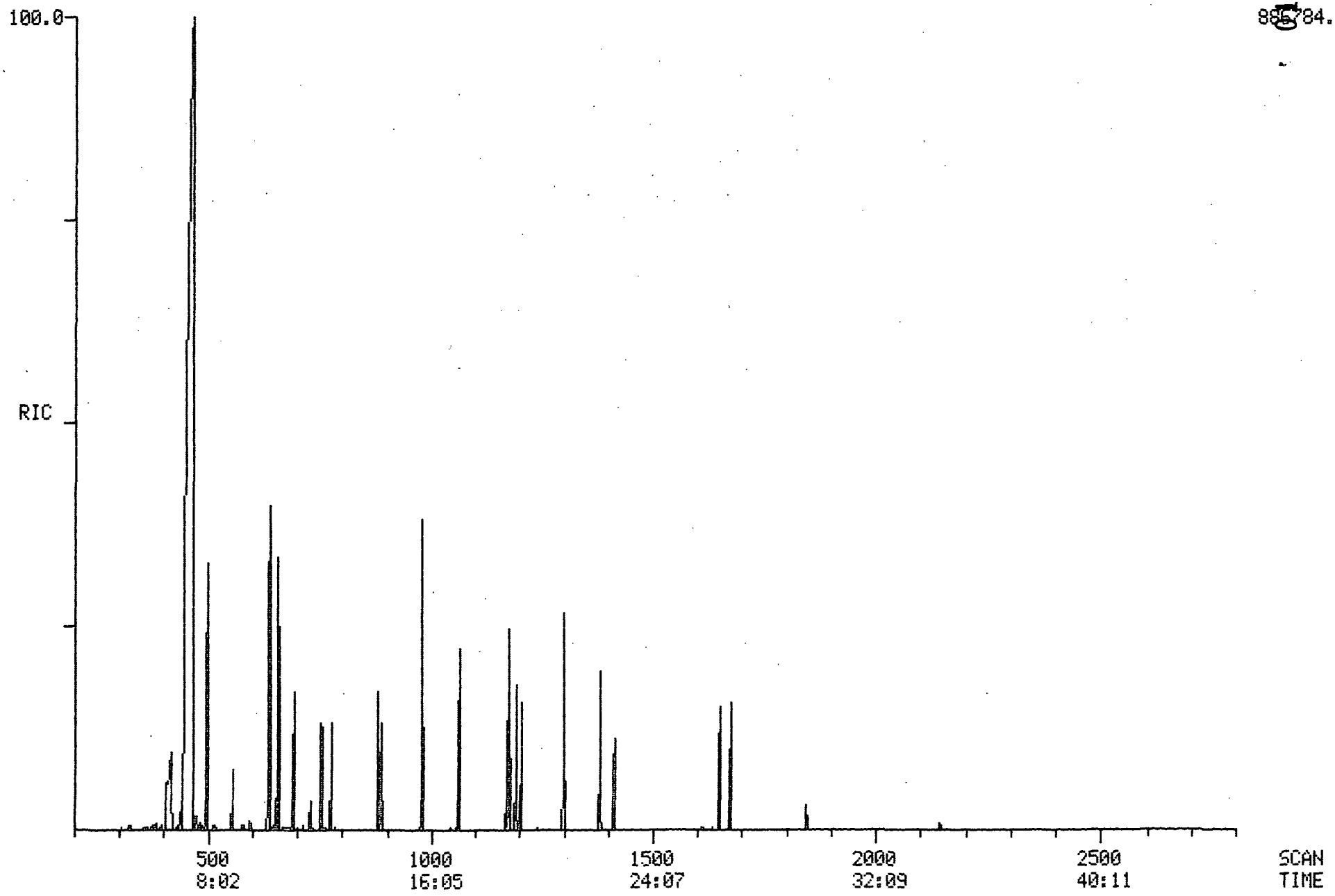
01017

140032.



MIDRIC
06/14/91 22:17:00
SAMPLE: S10MS 91-13594MS
CONDS.: MS-B CASE: EOH0022
RANGE: G 1,2800 LABEL: N 0, 4.0 QUAN: A 0, 1.0 J 0 BASE: U 20, 3

DATA: AD19S594MS #1 SCANS 200 TO 2800
CALI: AD19S594MS #2



01018

PROCEDURE: TCA DIAGNOSTIC REPORT 6/16/91 18:12:1
DATA FILE: AD19S594MS
REFERENCE: 82711
NAME LIST: 8270 INITIALIZATION OPTION: 4 PROCESSING OPTION: 3
REPORT: DSISTD

< ---- STANDARDS ----- ><				--- PLUS UNKNOWNS --- ><				- LIST NAMES - >
PROC	USED	POSS	RMS	PROC	USED	POSS	RMS	STANDARD/UNKNOWN
6	4	1	0	12	12	1	105	DSISTD/DSSURR
6	6	1	0	21	11	1	827	DSISTD/82701
6	6	1	0	21	8	1	104	DSISTD/82702
6	6	1	0	21	7	1	41	DSISTD/82703
6	6	1	0	21	8	1	80	DSISTD/82704
6	6	1	0	21	8	1	38	DSISTD/82705
6	6	1	0	21	7	1	0	DSISTD/82706

102 COMPOUNDS PROCESSED, 23 FOUND

< COMPOUND ><				---------- SEARCH ---------- >< SAT ><					------ CHRO. -------		
NO	LIB	ENTRY	REF	PRED	SEL	DELTA	PEAKS	FIT	PEAKS	M/Z	TOP	DELTA	PEAK
1	DS	1	-683	690	690	.	1	966	.	152	690	.	
2	DS	2	-882	889	.	.	.	.	.	136	888	.	
3	DS	3	-1165	1172	1172	.	1	959	.	164	1172	.	
4	DS	4	-1407	1414	1414	.	1	990	.	188	1414	.	
5	DS	5	-1839	1846	.	.	.	.	.	240	1845	.	
6	DS	6	-2136	2143	2143	.	1	939	.	264	2142	-1	
7	DS	7	-488	495	498	3	1	982	.	112	498	.	
8	DS	8	-630	637	637	.	1	942	.	99	637	.	
9	DS	9	-769	776	775	-1	1	977	.	82	775	.	
10	DS	10	-1057	1064	1063	-1	1	992	.	172	1063	.	
11	DS	11	-1294	1301	1300	-1	1	946	.	330	1300	.	
12	DS	12	-1668	1675	1675	.	1	985	.	244	1674	-1	
13	DS	13	-263	268	.	.	.	.	.	42	.	.	
14	DS	14	-393	398	.	.	.	.	.	93	.	.	
15	DS	15	-462	467	.	.	.	.	.	80	465	.	
16	DS	16	-569	575	.	.	.	.	.	79	.	.	
17	DS	17	-632	638	639	1	1	980	.	94	639	.	
18	DS	18	-634	640	.	.	.	.	.	93	639	.	
19	DS	19	-646	652	.	.	.	.	.	93	.	.	
20	DS	20	-651	657	658	1	1	934	.	128	658	.	
21	DS	21	-674	680	693	13	1	958	.	146	693	.	
22	DS	22	-686	692	693	1	1	952	.	146	693	.	
23	DS	23	-706	712	.	.	.	.	.	108	.	.	
24	DS	24	-708	714	693	-21	1	948	.	146	693	.	
25	DS	25	-723	729	.	.	.	.	.	108	.	.	
26	DS	26	-727	733	.	.	.	.	.	45	.	.	
27	DS	27	-723	729	.	.	.	.	.	108	.	.	
28	DS	28	-749	755	753	-2	1	962	.	70	753	.	
29	DS	29	-761	767	.	.	.	.	.	117	.	.	
30	DS	30	-747	753	.	.	.	.	.	105	.	.	
31	DS	31	-773	779	.	.	.	.	.	77	.	.	
32	DS	32	-797	803	.	.	.	.	.	42	.	.	
33	DS	33	-811	817	.	.	.	.	.	82	.	.	
34	DS	34	-822	828	.	.	.	.	.	139	.	.	
35	DS	35	-830	836	.	.	.	.	.	122	.	.	
36	DS	36	-846	852	.	.	.	.	.	93	.	.	
37	DS	39	-860	866	.	.	.	.	.	162	.	.	
38	DS	40	-873	879	879	.	1	983	.	180	879	.	
39	DS	41	-885	891	.	.	.	.	.	128	891	.	
40	DS	42	-895	901	.	.	.	.	.	127	.	.	
41	DS	43	-896	902	.	.	.	.	.	162	.	.	
42	DS	44	-906	912	.	.	.	.	.	225	.	.	
43	DS	45	-951	958						84			

01019

44	DS	46	-973	980	.	.	.	.	.	107	979	.
45	DS	47	-997	1004	.	.	.	.	.	142	.	.
46	DS	48	-1024	1031	.	.	.	.	.	216	.	.
47	DS	49	-1022	1029	.	.	.	.	.	237	.	.
48	DS	50	-1042	1049	.	.	.	.	.	196	.	.
49	DS	51	-1048	1055	.	.	.	.	.	196	.	.
50	DS	52	-1076	1083	.	.	.	.	.	162	.	.
51	DS	53	-1076	1083	.	.	.	.	.	162	.	.
52	DS	54	-1093	1100	.	.	.	.	.	65	.	.
53	DS	55	-1124	1131	.	.	.	.	.	163	.	.
54	DS	56	-1133	1140	.	.	.	.	.	165	1138	.
55	DS	57	-1142	1149	.	.	.	.	.	152	.	.
56	DS	58	-1160	1167	.	.	.	.	.	138	.	.
57	DS	59	-1171	1178	1177	-1	1	979	.	154	1177	.
58	DS	60	-1177	1184	.	.	.	.	.	184	.	.
59	DS	61	-1187	1194	1193	-1	1	970	.	139	1193	.
60	DS	62	-1199	1206	.	.	.	.	.	168	1205	.
61	DS	63	-1199	1206	1204	-2	1	970	.	165	1204	.
62	DS	64	-1192	1199	.	.	.	.	.	250	.	.
63	DS	65	-1212	1219	.	.	.	.	.	143	.	.
64	DS	66	-1219	1226	.	.	.	.	.	232	1225	.
65	DS	67	-1225	1232	.	.	.	.	.	143	.	.
66	DS	68	-1239	1246	.	.	.	.	.	149	1244	.
67	DS	69	-1256	1263	.	.	.	.	.	204	.	.
68	DS	70	-1255	1262	.	.	.	.	.	166	.	.
69	DS	71	-1259	1266	.	.	.	.	.	138	.	.
70	DS	72	-1264	1271	.	.	.	.	.	198	.	.
71	DS	73	-1276	1283	.	.	.	.	.	169	.	.
72	DS	74	-1282	1289	.	.	.	.	.	77	.	.
73	DS	75	-1335	1342	.	.	.	.	.	248	.	.
74	DS	76	-1327	1334	.	.	.	.	.	108	.	.
75	DS	78	-1344	1351	.	.	.	.	.	284	.	.
76	DS	79	-1378	1385	.	.	.	.	.	169	.	.
77	DS	81	-1376	1383	1382	-1	1	990	.	266	1382	.
78	DS	83	-1388	1395	.	.	.	.	.	173	.	.
79	DS	84	-1379	1386	.	.	.	.	.	295	.	.
80	DS	85	-1412	1419	.	.	.	.	.	178	1417	.
81	DS	86	-1420	1427	.	.	.	.	.	178	1426	.
82	DS	89	-1504	1511	.	.	.	.	.	149	1510	.
83	DS	92	-1605	1612	.	.	.	.	.	202	1611	.
84	DS	93	-1642	1649	1649	.	1	997	.	202	1649	.
85	DS	96	-1627	1634	.	.	.	.	.	184	.	.
86	DS	98	-1691	1698	.	.	.	.	.	120	.	.
87	DS	103	-1748	1755	.	.	.	.	.	149	.	.
88	DS	108	-1833	1840	.	.	.	.	.	252	.	.
89	DS	109	-1837	1844	.	.	.	.	.	228	1844	.
90	DS	110	-1843	1850	.	.	.	.	.	228	1849	.
91	DS	111	-1840	1847	1847	.	1	937	.	149	1847	.
92	DS	112	-1955	1962	.	.	.	.	.	149	.	.
93	DS	113	-2041	2048	.	.	.	.	.	256	.	.
94	DS	114	-2042	2049	.	.	.	.	.	252	2047	.
95	DS	115	-2049	2056	.	.	.	.	.	252	.	.
96	DS	116	-2122	2129	.	.	.	.	.	252	2128	.
97	DS	117	-2221	2228	.	.	.	.	.	268	.	.
98	DS	118	-2499	2506	.	.	.	.	.	276	.	.
99	DS	119	-2500	2507	.	.	.	.	.	278	.	.
100	DS	120	-2598	2605	.	.	.	.	.	276	.	.
101	DS	128	-2421	2428	.	.	.	.	.	279	.	.
102	DS	37	-847	854	.	.	.	.	.	122	.	.

Quantitation Report File: AD19S594MS

Data: AD19S594MS.TI
06/14/91 22:17:00
Sample: S10MS 91-13594MS
Conds.: MS-B CASE: EOH0022
Submitted by: Analyst: JOHNSON

AMOUNT=AREA * REF AMNT/(REF AREA * RESP FACT)
Resp. fac. from Library Entry

No	Name
1	ISTD D4-1,4-DICHLOROBENZENE
2	ISTD D-8-NAPHTHALENE
3	ISTD ACENAPHTHENE-D10
4	INTERNAL STANDARD D-10-PHENANTHRENE
5	INTERNAL STANDARD D-12-CHRYSENE
6	ISTD D-12 PERYLENE
7	SURROGATE 2-FLUOROPHENOL
8	SURROGATE D-6-PHENOL
9	SURROGATE D5-NITROBENZENE
10	SURROGATE 2-FLUOROBIPHENYL
11	SURROGATE STANDARD 2,4,6-TRIBROMOPHENOL
12	SURROGATE STANDARD P-TERPHENYL D-14
13	N-NITROSODIMETHYLAMINE
14	2-PICOLINE
15	METHYL METHANESULFONATE
16	ETHYL METHANESULFONATE
17	C315 PHENOL
18	ANILINE
19	BIS(2-CHLOROETHYL)ETHER
20	2-CHLOROPHENOL
21	1,3-DICHLOROBENZENE
22	1,4-DICHLOROBENZENE
23	BENZYL ALCOHOL
24	1,2-DICHLOROBENZENE
25	2-METHYLPHENOL
26	BIS(2-CHLOROISOPROPYL)ETHER
27	4-METHYLPHENOL
28	N-NITROSO-DI-N-PROPYLAMINE
29	HEXACHLOROETHANE
30	ACETOPHENONE
31	NITROBENZENE
32	N-NITROSOPIPERIDINE
33	ISOPHORONE
34	2-NITROPHENOL
35	2,4-DIMETHYLPHENOL
36	BIS(2-CHLOROETHOXY)METHANE
37	2,4-DICHLOROPHENOL
38	1,2,4-TRICHLOROBENZENE
39	NAPHTHALENE
40	4-CHLOROANILINE
41	2,6-DICHLOROPHENOL
42	HEXACHLOROBUTADIENE
43	N-NITROSO-DI-N-BUTYLAMINE
44	4-CHLORO-3-METHYLPHENOL
45	2-METHYL NAPHTHALENE
46	1,2,4,5-TETRACHLOROBENZENE
47	HEXACHLOROCYCLOPENTADIENE
48	2,4,6-TRICHLOROPHENOL
49	2,4,5-TRICHLOROPHENOL
50	2-CHLORONAPHTHALENE

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount		%Tot	
1	152	690	11:06	1	1.000	A BB	27070.	40.000	UG	1.39	
2	136	888	14:17	2	1.000	A BB	92217.	40.000	UG	1.39	
3	164	1172	18:50	3	1.000	A BB	57908.	40.000	UG	1.39	
4	188	1414	22:44	4	1.000	A BB	84618.	40.000	UG	1.39	
5	240	1845	29:40	5	1.000	A BB	26505.	40.000	UG	1.39	
6	264	2142	34:26	6	1.000	A BB	17345.	40.000	UG	1.39	
7	112	498	8:00	1	0.722	A BB	119682.	108.152	UG	3.75	
8	99	637	10:14	1	0.923	A BB	189731.	133.922	UG	4.65	
9	82	775	12:28	2	0.873	A BB	75861.	49.398	UG	1.71	
10	172	1063	17:05	3	0.907	A BB	137480.	79.010	UG	2.74	
11	330	1300	20:54	3	1.109	A BB	55497.	257.509	UG	8.94	
12	244	1674	26:55	5	0.907	A BB	132672.	121.963	UG	4.23	
13	NOT FOUND										
14	NOT FOUND										
~~15~~	~~80~~	~~465~~	~~7:27~~	~~1~~	~~0.674~~	~~A BB~~	~~127.~~	~~0.335~~	~~UG~~	~~0.01~~	TQ
16	NOT FOUND										
17	94	639	10:16	1	0.926	A BB	185636.	101.368	UG	3.52	SP
~~18~~	~~93~~	~~639~~	~~10:16~~	~~1~~	~~0.926~~	~~A BB~~	~~5429.~~	~~2.875~~	~~UG~~	~~0.10~~	TQ
19	NOT FOUND										
20	128	658	10:35	1	0.954	A BB	122855.	116.878	UG	4.06	SP
~~21~~	~~146~~	~~693~~	~~11:08~~	~~1~~	~~1.004~~	~~A BB~~	~~66779.~~	~~60.187~~	~~UG~~	~~2.09~~	TQ
22	146	693	11:08	1	1.004	A BB	66779.	59.074	UG	2.05	SP
23	NOT FOUND										
~~24~~	~~146~~	~~693~~	~~11:08~~	~~1~~	~~1.004~~	~~A BB~~	~~66779.~~	~~61.488~~	~~UG~~	~~2.13~~	TQ
25	NOT FOUND										
26	NOT FOUND										
27	NOT FOUND										
28	70	753	12:06	1	1.091	A BB	66784.	53.845	UG	1.87	SP
29	NOT FOUND										
30	NOT FOUND										
31	NOT FOUND										
32	NOT FOUND										
33	NOT FOUND										
34	NOT FOUND										
35	NOT FOUND										
36	NOT FOUND										
37	NOT FOUND										
38	180	879	14:08	2	0.990	A BB	61016.	76.161	UG	2.64	SP
~~39~~	~~128~~	~~891~~	~~14:17~~	~~2~~	~~1.003~~	~~A BB~~	~~162.~~	~~0.057~~	~~UG~~	~~0.00~~	TQ
40	NOT FOUND										
41	NOT FOUND										
42	NOT FOUND										
43	NOT FOUND										
44	107	979	15:44	2	1.102	A BB	140104.	144.747	UG	5.02	SP
45	NOT FOUND										
46	NOT FOUND										
47	NOT FOUND										
48	NOT FOUND										
49	NOT FOUND										
50	NOT FOUND										

No	Ret(L)	Ratio	RRT(L)	Ratio	Amnt	Amnt(L)	R.Fac	R.Fac(L)	Ratio
1	10:59	1.01	1.000	1.00	40.00	40.00	1.000	1.000	1.00
2	14:11	1.01	1.000	1.00	40.00	40.00	1.000	1.000	1.00
3	18:44	1.01	1.000	1.00	40.00	40.00	1.000	1.000	1.00
4	22:37	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
5	29:34	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
6	34:20	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
7	7:51	1.02	0.714	1.01	108.15	50.00	3.537	1.635	2.16
8	10:08	1.01	0.922	1.00	133.92	50.00	5.607	2.093	2.68
9	12:22	1.01	0.872	1.00	49.40	50.00	0.658	0.666	0.99
10	17:00	1.01	0.907	1.00	79.01	50.00	1.899	1.202	1.58
11	20:48	1.00	1.111	1.00	257.51	50.00	0.767	0.149	5.15
12	26:49	1.00	0.907	1.00	121.96	50.00	4.004	1.642	2.44
13	4:14		0.385						

14	6:19		0.575						
15	7:26	1.01	0.676	1.00	0.33	50.00	0.004	0.561	0.01
16	9:09		0.833						
17	10:10	1.01	0.925	1.00	101.37	50.00	5.486	2.706	2.03
18	10:12	1.01	0.928	1.00	2.88	50.00	0.160	2.790	0.06
19	10:23		0.946						
20	10:28	1.01	0.953	1.00	116.88	50.00	3.631	1.553	2.34
21	10:50	1.03	0.987	1.02	60.19	50.00	1.974	1.639	1.20
22	11:02	1.01	1.004	1.00	59.07	50.00	1.974	1.670	1.18
23	11:21		1.034						
24	11:23	0.98	1.037	0.97	61.49	50.00	1.974	1.605	1.23
25	11:37		1.059						
26	11:41		1.064						
27	11:37		1.059						
28	12:02	1.01	1.097	1.00	53.85	50.00	1.974	1.833	1.08
29	12:14		1.114						
30	12:01		0.847						
31	12:26		0.876						
32	12:49		0.904						
33	13:02		0.920						
34	13:13		0.932						
35	13:21		0.941						
36	13:36		0.959						
37	13:50		0.975						
38	14:02	1.01	0.990	1.00	76.16	50.00	0.529	0.348	1.52
39	14:14	1.01	1.003	1.00	0.06	50.00	0.001	1.239	0.00
40	14:23		1.015						
41	14:24		1.016						
42	14:34		1.027						
43	15:17		1.078						
44	15:39	1.01	1.103	1.00	144.75	50.00	1.215	0.420	2.89
45	16:02		1.130						
46	16:28		0.879						
47	16:26		0.877						
48	16:45		0.894						
49	16:51		0.900						
50	17:18		0.924						

Quantitation Report File: AD19S594MS

Data: AD19S594MS.TI
06/14/91 22:17:00
Sample: S10MS 91-13594MS
Conds.: MS-B CASE: EOH0022
Submitted by: Analyst: JOHNSON

AMOUNT=AREA * REF AMNT/(REF AREA * RESP FACT)
Resp. fac. from Library Entry

No	Name
51	1-CHLORONAPHTHALENE
52	2-NITROANILINE
53	DIMETHYL PHTHALATE
54	2,6-DINITROTOLUENE
55	ACENAPHTHYLENE
56	3-NITROANILINE
57	ACENAPHTHENE
58	2,4-DINITROPHENOL
59	4-NITROPHENOL
60	DIBENZOFURAN
61	2,4-DINITROTOLUENE
62	PENTACHLOROBENZENE
63	1-NAPHTHYLAMINE
64	2,3,4,6-TETRACHLOROPHENOL
65	2-NAPHTHYLAMINE
66	DIETHYL PHTHALATE
67	4-CHLOROPHENYL PHENYL ETHER
68	FLUORENE
69	4-NITROANILINE
70	4,6-DINITRO-2-METHYLPHENOL
71	N-NITROSODIPHENYLAMINE
72	1,2-DIPHENYLHYDRAZINE
73	4-BROMOPHENYL PHENYL ETHER
74	PHENACETIN
75	HEXACHLOROBENZENE
76	4-AMINOBIPHENYL
77	PENTACHLOROPHENOL
78	PRONAMIDE (PROPYZAMIDE)
79	PENTACHLORONITROBENZENE
80	PHENANTHRENE
81	ANTHRACENE
82	DI-N-BUTYL PHTHALATE
83	FLUORANTHENE
84	PYRENE
85	BENZIDINE
86	P-DIMETHYLAMINOAZOBENZENE
87	BUTYL BENZYL PHTHALATE
88	3,3'-DICHLOROBENZIDINE
89	BENZO(A)ANTHRACENE
90	CHRYSENE
91	BIS(2-ETHYLHEXYL)PHTHALATE
92	DI-N-OCTYL PHTHALATE
93	7,12-DIMETHYLBENZ(A)ANTHRACENE
94	BENZO(B)FLUORANTHENE
95	BENZO(K)FLUORANTHENE
96	BENZO(A)PYRENE
97	3-METHYLCHOLANTHRENE
98	INDENO (1,2,3-CD)PYRENE
99	DIBENZ(A,H)ANTHRACENE
100	BENZO (G,H,I)PERYLENE

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount		%Tot
51	NOT FOUND									
52	NOT FOUND									
53	NOT FOUND									
54	~~165~~	~~1138~~	~~18:18~~	~~3~~	~~0.971~~	~~A BB~~	~~232.~~	~~0.544 UG~~		~~0.02~~
55	NOT FOUND									
56	NOT FOUND									
57	154	1177	18:55	3	1.004	A BB	109593.	71.339 UG		2.48 SP
58	NOT FOUND									
59	139	1193	19:11	3	1.018	A BB	36834.	217.404 UG		7.55 SP
~~60~~	~~168~~	~~1205~~	~~19:22~~	~~3~~	~~1.028~~	~~A BB~~	~~199.~~	~~0.079 UG~~		~~0.00~~
61	165	1204	19:21	3	1.027	A BB	40005.	73.912 UG		2.57 SP
62	NOT FOUND									
63	NOT FOUND									
~~64~~	~~232~~	~~1225~~	~~19:42~~	~~3~~	~~1.045~~	~~A BB~~	~~382.~~	~~1.168 UG~~		~~0.04~~
65	NOT FOUND									
~~66~~	~~149~~	~~1244~~	~~20:00~~	~~3~~	~~1.061~~	~~A BB~~	~~1861.~~	~~0.862 UG~~		~~0.03~~
67	NOT FOUND									
68	NOT FOUND									
69	NOT FOUND									
70	NOT FOUND									
71	NOT FOUND									
72	NOT FOUND									
73	NOT FOUND									
74	NOT FOUND									
75	NOT FOUND									
76	NOT FOUND									
77	266	1382	22:13	4	0.977	A BB	41095.	258.162 UG		8.96 SP
78	NOT FOUND									
79	NOT FOUND									
80	178	1417	22:47	4	1.002	A BB	1487.	0.660 UG		0.02
~~81~~	~~178~~	~~1426~~	~~22:56~~	~~4~~	~~1.008~~	~~A BB~~	~~158.~~	~~0.070 UG~~		~~0.00~~
~~82~~	~~149~~	~~1510~~	~~24:17~~	~~4~~	~~1.068~~	~~A BB~~	~~533.~~	~~0.172 UG~~		~~0.01~~
83	202	1611	25:54	4	1.139	A BB	2468.	1.409 UG		0.05
84	202	1649	26:31	5	0.894	A BB	132135.	113.431 UG		3.94 SP
85	NOT FOUND									
86	NOT FOUND									
87	NOT FOUND									
88	NOT FOUND									
~~89~~	~~228~~	~~1844~~	~~29:39~~	~~5~~	~~0.999~~	~~A BV~~	~~595.~~	~~0.794 UG~~		~~0.03~~
~~90~~	~~228~~	~~1849~~	~~29:44~~	~~5~~	~~1.002~~	~~A VB~~	~~638.~~	~~0.842 UG~~		~~0.03~~
91	149	1847	29:42	5	1.001	A BB	4902.	5.138 UG		0.18
92	NOT FOUND									
93	NOT FOUND									
~~94~~	~~252~~	~~2047~~	~~32:55~~	~~6~~	~~0.956~~	~~A BB~~	~~579.~~	~~0.989 UG~~		~~0.03~~
95	NOT FOUND									
~~96~~	~~252~~	~~2128~~	~~34:13~~	~~6~~	~~0.993~~	~~A BB~~	~~211.~~	~~0.429 UG~~		~~0.01~~
97	NOT FOUND									
98	NOT FOUND									
99	NOT FOUND									
100	NOT FOUND									

No	Ret(L)	Ratio	RRT(L)	Ratio	Amnt	Amnt(L)	R.Fac	R.Fac(L)	Ratio
51	17:18		0.924						
52	17:34		0.938						
53	18:04		0.965						
54	18:13	1.00	0.973	1.00	0.54	50.00	0.003	0.295	0.01
55	18:22		0.980						
56	18:39		0.996						
57	18:50	1.01	1.005	1.00	71.34	50.00	1.514	1.061	1.43
58	18:55		1.010						
59	19:05	1.01	1.019	1.00	217.40	50.00	0.509	0.117	4.35
60	19:17	1.01	1.029	1.00	0.08	50.00	0.003	1.741	0.00
61	19:17	1.00	1.029	1.00	73.91	50.00	0.553	0.374	1.48
62	19:10		1.023						
63	19:29		1.040						

64	19:36	1.00	1.046	1.00	1.17	50.00	0.005	0.226	0.02
65	19:42		1.052						
66	19:55	1.00	1.064	1.00	0.86	50.00	0.026	1.491	0.02
67	20:12		1.078						
68	20:11		1.077						
69	20:14		1.081						
70	20:19		0.898						
71	20:31		0.907						
72	20:37		0.911						
73	21:28		0.949						
74	21:20		0.943						
75	21:36		0.955						
76	22:09		0.979						
77	22:07	1.00	0.978	1.00	258.16	50.00	0.389	0.075	5.16
78	22:19		0.986						
79	22:10		0.980						
80	22:42	1.00	1.004	1.00	0.66	50.00	0.014	1.065	0.01
81	22:50	1.00	1.009	1.00	0.07	50.00	0.001	1.072	0.00
82	24:11	1.00	1.069	1.00	0.19	50.00	0.005	1.313	0.00
83	25:48	1.00	1.141	1.00	1.41	50.00	0.023	0.828	0.03
84	26:24	1.00	0.893	1.00	113.43	50.00	3.988	1.758	2.27
85	26:09		0.885						
86	27:11		0.920						
87	28:06		0.951						
88	29:28		0.997						
89	29:32	1.00	0.999	1.00	0.79	50.00	0.018	1.132	0.02
90	29:38	1.00	1.002	1.00	0.84	50.00	0.019	1.144	0.02
91	29:35	1.00	1.001	1.00	5.14	50.00	0.148	1.440	0.10
92	31:26		0.915						
93	32:49		0.956						
94	32:50	1.00	0.956	1.00	0.99	50.00	0.027	1.351	0.02
95	32:56		0.959						
96	34:07	1.00	0.993	1.00	0.43	50.00	0.010	1.135	0.01
97	35:42		1.040						
98	40:11		1.170						
99	40:11		1.170						
100	41:46		1.216						

Quantitation Report File: AD19S594MS

Data: AD19S594MS.TI
06/14/91 22:17:00
Sample: S10MS 91-13594MS
Conds.: MS-B CASE: EOH0022
Submitted by: Analyst: JOHNSON

AMOUNT=AREA * REF AMNT/(REF AREA * RESP FACT)
Resp. fac. from Library Entry

No	Name
101	DIBENZ(A,J)ACRIDINE
102	BENZOIC ACID

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount	%Tot
101	NOT FOUND								
102	NOT FOUND								

No	Ret(L)	Ratio	RRT(L)	Ratio	Amnt	Amnt(L)	R.Fac	R.Fac(L)	Ratio
101	38:55		1.133						
102	13:37		0.960						

SV
RAW QC DATA
MATRIX SPIKE DUPLICATE DATA

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S10MSD

Lab Name: DATACHEM LABS Contract: 19005

Lab Code: DATAC Case No.: E0H002 SAS No.: _____ SDG No.: 13585

Matrix: (soil/water) SOIL Lab Sample ID: 91-13594MSD

Sample wt/vol: 30 (g/mL) G Lab File ID: AD20S594MSD

Level: (low/med) LOW Date Received: 06/07/91

% Moisture: not dec. _____ dec. 9 Date Extracted: 06/14/91

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 06/14/91

GPC Cleanup: (Y/N) N pH: 5.0 Dilution Factor: 1.0

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

CAS NO.	COMPOUND		Q
108-95-2	Phenol	~~1800.~~ 360.	U
111-44-4	bis(2-Chloroethyl)ether	360.	U
95-57-8	2-Chlorophenol	~~1800.~~ 360.	U
541-73-1	1,3-Dichlorobenzene	~~1800.~~ 360.	U
106-46-7	1,4-Dichlorobenzene	360.	U
100-51-6	Benzyl alcohol	360.	U
95-50-1	1,2-Dichlorobenzene	360.	U
95-48-7	2-Methylphenol	360.	U
108-60-1	bis(2-Chloroisopropyl)ether	360.	U
106-44-5	4-Methylphenol	360.	U
621-64-7	N-Nitroso-di-n-propylamine	360.	U
67-72-1	Hexachloroethane	360.	U
98-95-3	Nitrobenzene	360.	U
78-59-1	Isophorone	360.	U
88-75-5	2-Nitrophenol	360.	U
105-67-9	2,4-Dimethylphenol	360.	U
65-85-0	Benzoic acid	1800.	U
111-91-1	bis(2-Chloroethoxy)methane	360.	U
120-83-2	2,4-Dichlorophenol	360.	U
120-82-1	1,2,4-Trichlorobenzene	360.	U
91-20-3	Naphthalene	360.	U
106-47-8	4-Chloroaniline	360.	U
87-68-3	Hexachlorobutadiene	360.	U
59-50-7	4-Chloro-3-methylphenol	360.	U
91-57-6	2-Methylnaphthalene	360.	U
77-47-4	Hexachlorocyclopentadiene	360.	U
88-06-2	2,4,6-Trichlorophenol	360.	U
95-95-4	2,4,5-Trichlorophenol	1800.	U
91-58-7	2-Chloronaphthalene	360.	U
88-74-4	2-Nitroaniline	1800.	U
131-11-3	Dimethylphthalate	360.	U
208-96-8	Acenaphthylene	360.	U
606-20-2	2,6-Dinitrotoluene	360.	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S10MSD

Lab Name: DATACHEM LABS Contract: 19005

Lab Code: DATAC Case No.: E0H0022 SAS No.: _____ SDG No.: 13585

Matrix: (soil/water) SOIL Lab Sample ID: 91-B594MSD

Sample wt/vol: 30 (g/mL) G Lab File ID: AD205594MSD

Level: (low/med) LOW Date Received: 06/07/91

% Moisture: not dec. _____ dec. 9 Date Extracted: 06/14/91

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 06/14/91

GPC Cleanup: (Y/N) N pH: 5.0 Dilution Factor: 1.0

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

CAS NO.	COMPOUND		Q
99-09-2	3-Nitroaniline	1800.	U
83-32-9	Acenaphthene	360.	U
51-28-5	2,4-Dinitrophenol	1800.	U
100-02-7	4-Nitrophenol	1800.	U
132-64-9	Dibenzofuran	360.	U
121-14-2	2,4-Dinitrotoluene	360.	U
84-66-2	Diethylphthalate	360.	U
7005-72-3	4-Chlorophenyl-phenylether	360.	U
86-73-7	Fluorene	360.	U
100-01-6	4-Nitroaniline	1800.	U
534-52-1	4,6-Dinitro-2-methylphenol	1800.	U
86-30-6	N-Nitrosodiphenylamine (1)	360.	U
101-55-3	4-Bromophenyl-phenylether	360.	U
118-74-1	Hexachlorobenzene	360.	U
87-86-5	Pentachlorophenol	1800.	U
85-01-8	Phenanthrene	26.	U
120-12-7	Anthracene	360.	U
84-74-2	Di-n-butylphthalate	360.	U
206-44-0	Fluoranthene	55.	J
129-00-0	Pyrene	100.	U
85-68-7	Butylbenzylphthalate	360.	U
91-94-1	3,3'-Dichlorobenzidine	730.	U
56-55-3	Benzo(a)anthracene	360.	U
218-01-9	Chrysene	360.	U
117-81-7	bis(2-Ethylhexyl)phthalate	190.	JB
117-84-0	Di-n-octylphthalate	360.	U
205-99-2	Benzo(b)fluoranthene	360.	U
207-08-9	Benzo(k)fluoranthene	360.	U
50-32-8	Benzo(a)pyrene	360.	U
193-39-5	Indeno(1,2,3-cd)pyrene	360.	U
53-70-3	Dibenz(a,h)anthracene	360.	U
191-24-2	Benzo(g,h,i)perylene	360.	U

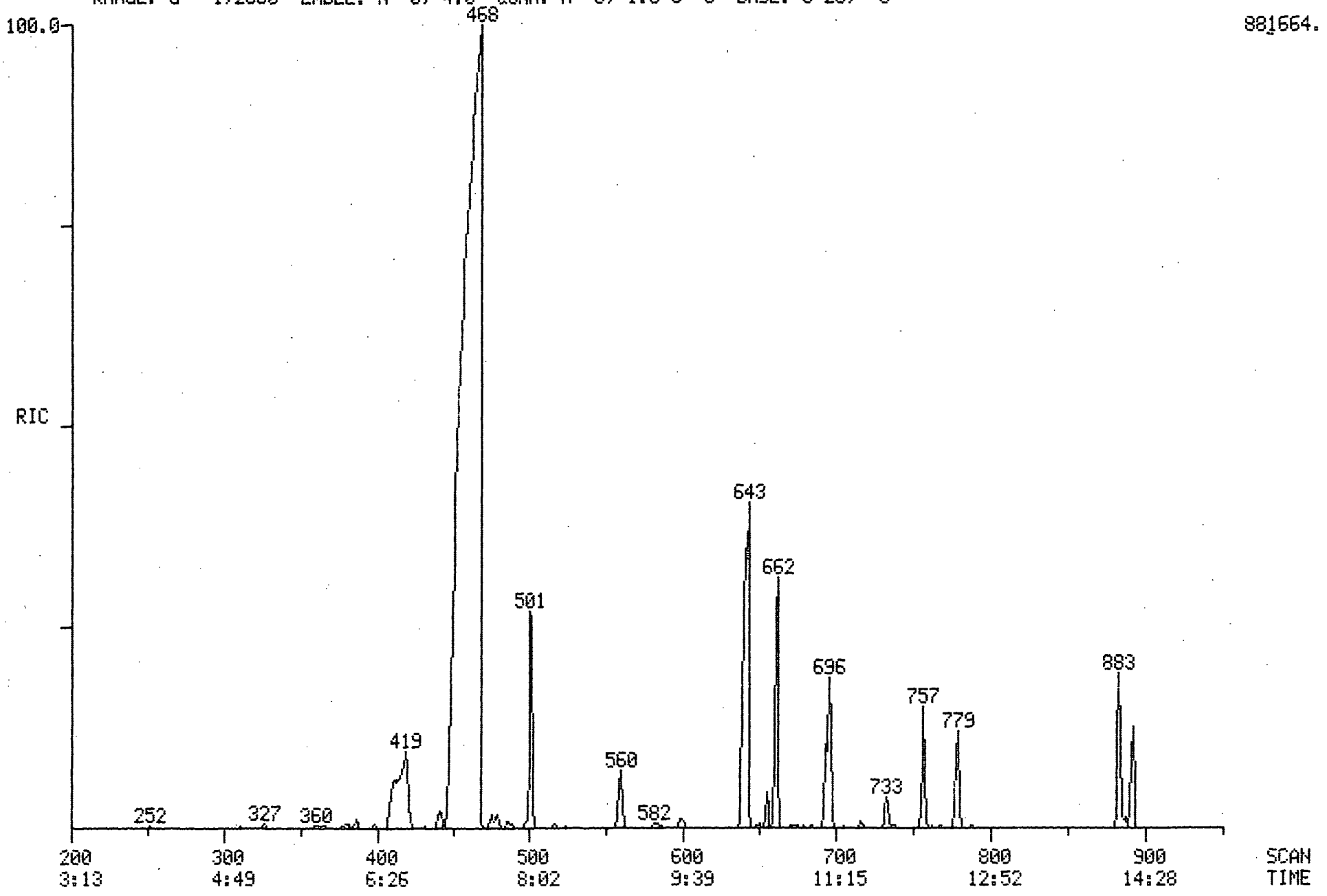
(1) - Cannot be separated from Diphenylamine

MIDRIC
06/14/91 23:12:00
SAMPLE: S10MSD 91-13594MSD
CONDS.: MS-B CASE: EOH0022
RANGE: G 1,2800 LABEL: N 0, 4.0 QUAN: A 0, 1.0 J 0 BASE: U 20, 3

DATA: AD20S594MSD #1 SCANS 200 TO 950
CALI: AD20S594MSD #2

T.J. Massoca
6·17·91

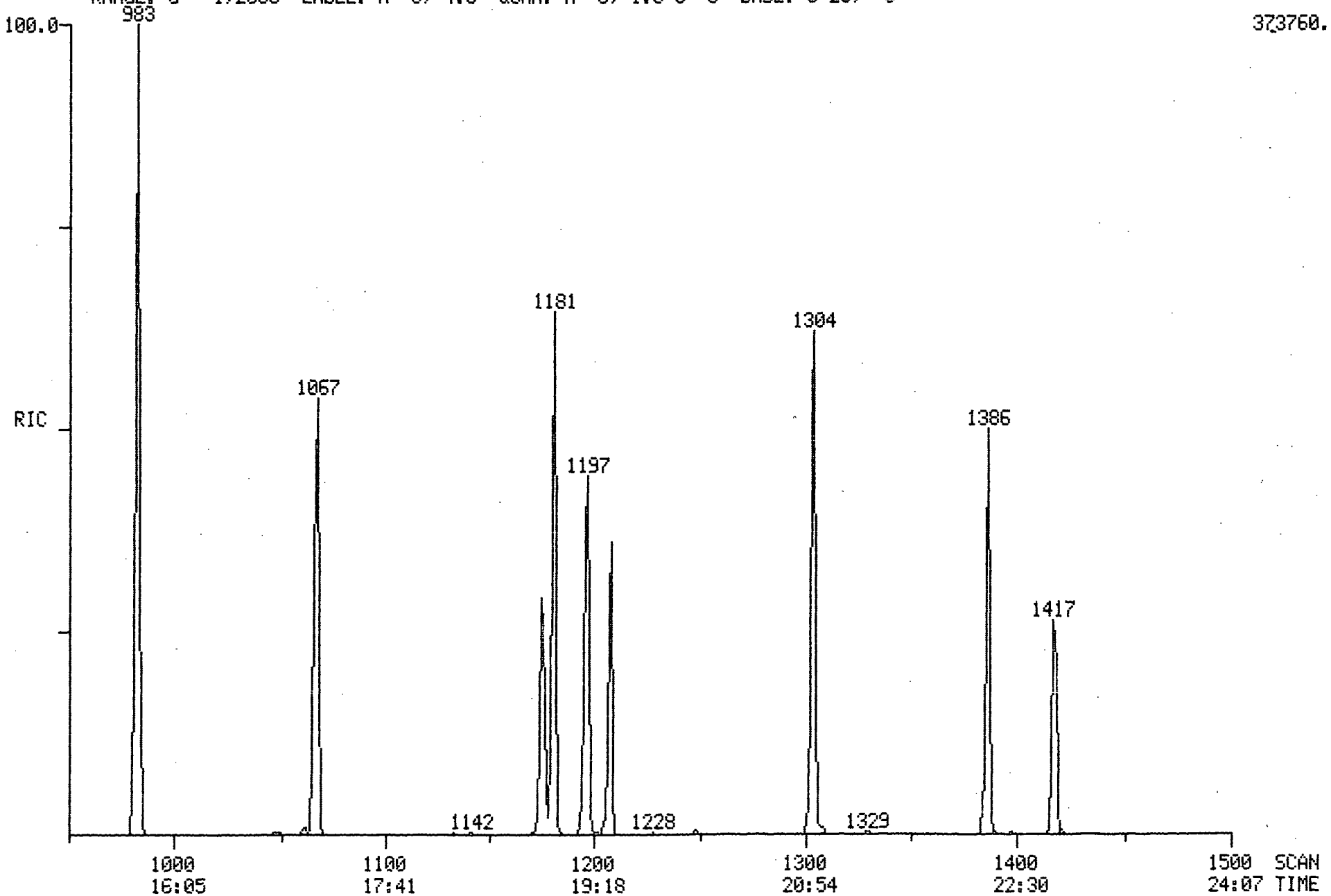
01031



MIDRIC
06/14/91 23:12:00
SAMPLE: S10MSD 91-13594MSD
CONDS.: MS-B CASE: EOH0022
RANGE: G 1,2800 LABEL: N 0, 4.0 QUAN: A 0, 1.0 J 0 BASE: U 20, 3

DATA: AD20S594MSD #1 SCANS 950 TO 1500
CALI: AD20S594MSD #2

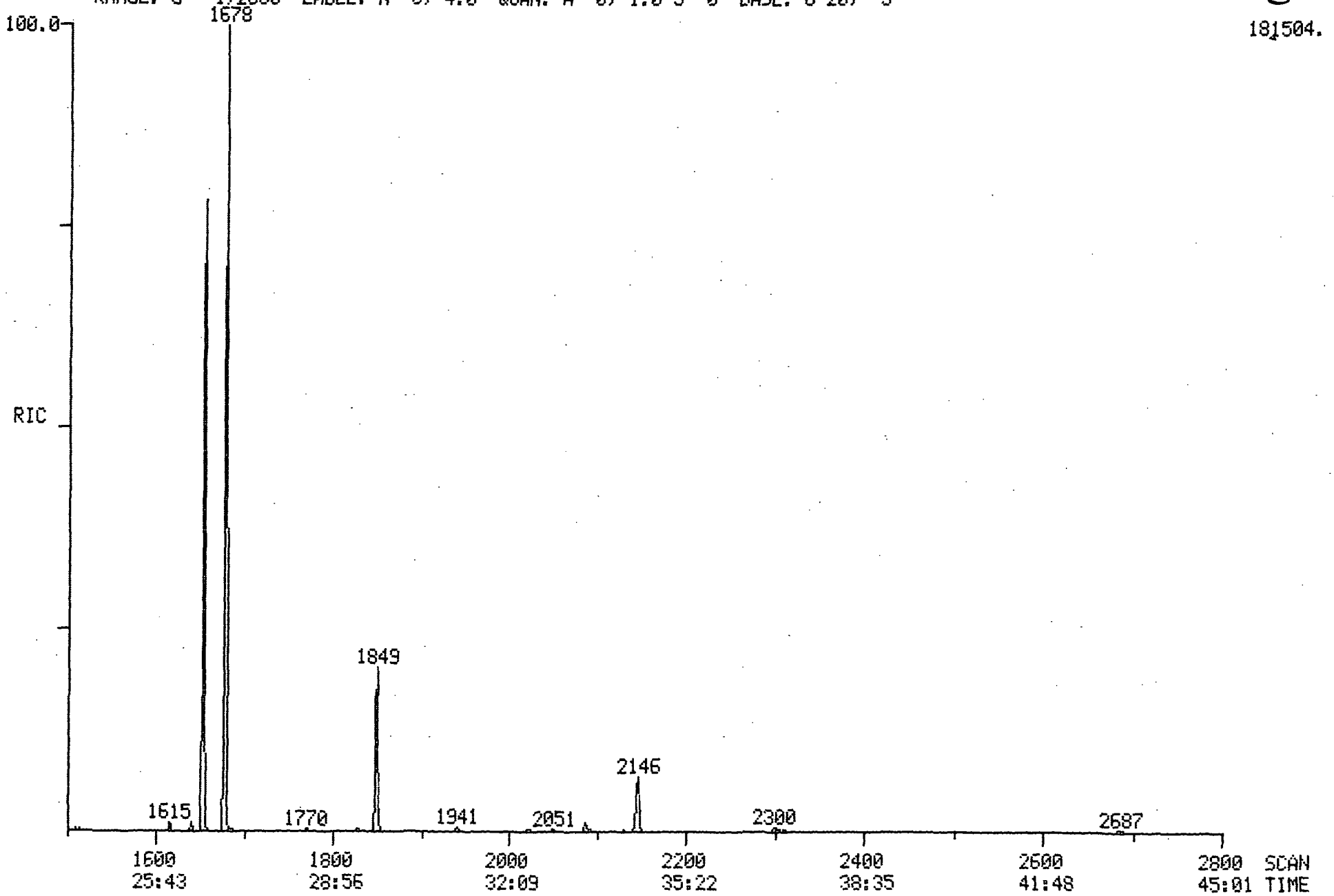
01032



MIDRIC
06/14/91 23:12:00
SAMPLE: S10MSD 91-13594MSD
CONDS.: MS-B CASE: EOH0022
RANGE: G 1.2800 LABEL: N 0, 4.0 QUAN: A 0, 1.0 J 0 BASE: U 20, 3

DATA: AD20S594MSD #1 SCANS 1500 TO 2800
CALI: AD20S594MSD #2

01033

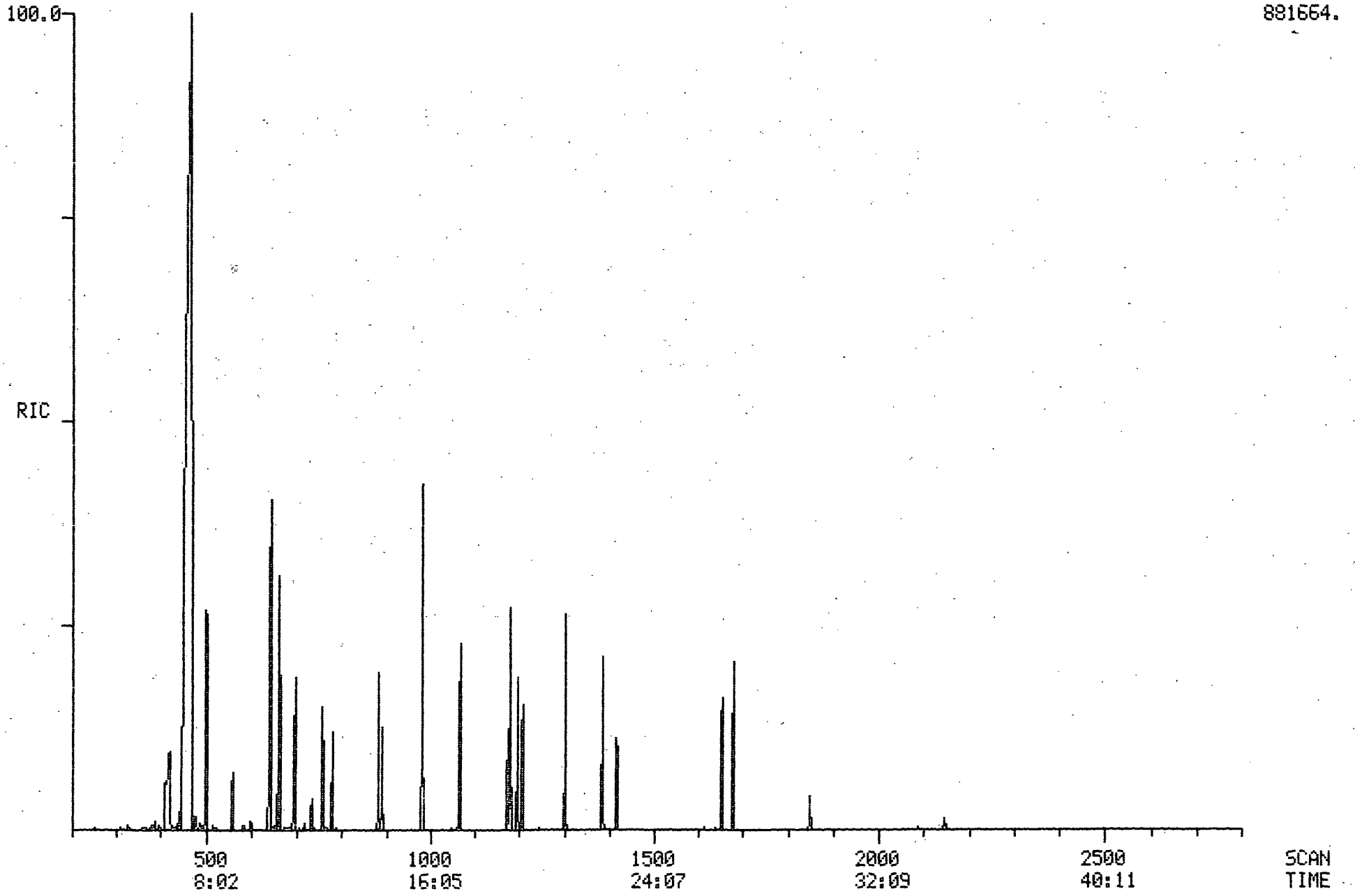


181504.

MIDRIC
06/14/91 23:12:00
SAMPLE: S10MSD 91-13594MSD
CONDS.: MS-B CASE: EOH0022
RANGE: G 1,2800 LABEL: N 0, 4.0 QUAN: A 0, 1.0 J 0 BASE: U 20, 3

DATA: AD20S594MSD #1 SCANS 200 TO 2800
CALI: AD20S594MSD #2

01034



PROCEDURE: TCA DIAGNOSTIC REPORT 6/16/91 18:23:3
DATA FILE: AD20S594MSD
REFERENCE: 82711
NAME LIST: 8270 INITIALIZATION OPTION: 4 PROCESSING OPTION: 3
REPORT: DSISTD

< ---- STANDARDS ----- ><				--- PLUS UNKNOWNS --- ><				- LIST NAMES - >
PROC	USED	POSS	RMS	PROC	USED	POSS	RMS	STANDARD/UNKNOWN
6	4	1	42	12	12	1	83	DSISTD/DSSURR
6	6	1	35	21	11	1	835	DSISTD/82701
6	6	1	35	21	8	1	100	DSISTD/82702
6	6	1	35	21	7	1	37	DSISTD/82703
6	6	1	35	21	8	1	62	DSISTD/82704
6	6	1	35	21	8	1	47	DSISTD/82705
6	6	1	35	21	7	1	32	DSISTD/82706

102 COMPOUNDS PROCESSED, 23 FOUND

< COMPOUND ><			---------- SEARCH ---------- >< SAT ><							------ CHRO -------		
NO	LIB	ENTRY	REF	PRED	SEL	DELTA	PEAKS	FIT	PEAKS	M/Z	TOP	DELTA PEAK
1	DS	1	-683	694	694	.	1	961	.	152	693	-1
2	DS	2	-882	893	.	.	.	.	.	136	892	.
3	DS	3	-1165	1175	1175	.	1	952	.	164	1175	.
4	DS	4	-1407	1417	1417	.	1	994	.	188	1417	.
5	DS	5	-1839	1849	.	.	.	.	.	240	1849	.
6	DS	6	-2136	2146	2146	.	1	946	.	264	2146	.
7	DS	7	-488	499	501	2	1	985	.	112	501	.
8	DS	8	-630	641	641	.	1	931	.	99	641	.
9	DS	9	-769	780	779	-1	1	968	.	82	779	.
10	DS	10	-1057	1068	1067	-1	1	986	.	172	1067	.
11	DS	11	-1294	1304	1303	-1	1	942	.	330	1303	.
12	DS	12	-1668	1678	1678	.	1	978	.	244	1678	.
13	DS	13	-263	272	.	.	.	.	.	42	.	.
14	DS	14	-393	402	.	.	.	.	.	93	.	.
15	DS	15	-462	471	.	.	.	.	.	80	.	.
16	DS	16	-569	578	.	.	.	.	.	79	.	.
17	DS	17	-632	641	643	2	1	981	.	94	643	.
18	DS	18	-634	643	.	.	.	.	.	93	643	.
19	DS	19	-646	655	.	.	.	.	.	93	.	.
20	DS	20	-651	660	662	2	1	925	.	128	662	.
21	DS	21	-674	683	696	13	1	964	.	146	696	.
22	DS	22	-686	695	696	1	1	963	.	146	696	.
23	DS	23	-706	715	.	.	.	.	.	108	.	.
24	DS	24	-708	717	696	-21	1	962	.	146	696	.
25	DS	25	-723	732	.	.	.	.	.	108	.	.
26	DS	26	-727	736	.	.	.	.	.	45	.	.
27	DS	27	-723	732	.	.	.	.	.	108	.	.
28	DS	28	-749	759	757	-2	1	966	.	70	757	.
29	DS	29	-761	771	.	.	.	.	.	117	.	.
30	DS	30	-747	757	.	.	.	.	.	105	.	.
31	DS	31	-773	783	.	.	.	.	.	77	.	.
32	DS	32	-797	807	.	.	.	.	.	42	.	.
33	DS	33	-811	821	.	.	.	.	.	82	.	.
34	DS	34	-822	832	.	.	.	.	.	139	.	.
35	DS	35	-830	840	.	.	.	.	.	122	.	.
36	DS	36	-846	856	.	.	.	.	.	93	.	.
37	DS	39	-860	870	.	.	.	.	.	162	.	.
38	DS	40	-873	883	883	.	1	976	.	180	883	.
39	DS	41	-885	895	.	.	.	.	.	128	895	.
40	DS	42	-895	905	.	.	.	.	.	127	.	.
41	DS	43	-896	906	.	.	.	.	.	162	.	.
42	DS	44	-906	916	.	.	.	.	.	225	.	.
43	DS	45	-951	962						84		

01035

44	DS	46	-973	984	.	.	.	.	.	107	983	.
45	DS	47	-997	1008	.	.	.	.	.	142	.	.
46	DS	48	-1024	1034	.	.	.	.	.	216	.	.
47	DS	49	-1022	1032	.	.	.	.	.	237	.	.
48	DS	50	-1042	1052	.	.	.	.	.	196	.	.
49	DS	51	-1048	1058	.	.	.	.	.	196	.	.
50	DS	52	-1076	1086	.	.	.	.	.	162	.	.
51	DS	53	-1076	1086	.	.	.	.	.	162	.	.
52	DS	54	-1093	1103	.	.	.	.	.	65	.	.
53	DS	55	-1124	1134	.	.	.	.	.	163	.	.
54	DS	56	-1133	1143	.	.	.	.	.	165	1142	.
55	DS	57	-1142	1152	.	.	.	.	.	152	.	.
56	DS	58	-1160	1170	.	.	.	.	.	138	.	.
57	DS	59	-1171	1181	1181	.	1	976	.	154	1181	.
58	DS	60	-1177	1187	.	.	.	.	.	184	.	.
59	DS	61	-1187	1197	1197	.	1	959	.	139	1197	.
60	DS	62	-1199	1209	.	.	.	.	.	168	1209	.
61	DS	63	-1199	1209	1208	-1	1	959	.	165	1208	.
62	DS	64	-1192	1202	.	.	.	.	.	250	.	.
63	DS	65	-1212	1222	.	.	.	.	.	143	.	.
64	DS	66	-1219	1229	.	.	.	.	.	232	1228	.
65	DS	67	-1225	1235	.	.	.	.	.	143	.	.
66	DS	68	-1239	1249	.	.	.	.	.	149	1248	.
67	DS	69	-1256	1266	.	.	.	.	.	204	.	.
68	DS	70	-1255	1265	.	.	.	.	.	166	.	.
69	DS	71	-1259	1269	.	.	.	.	.	138	.	.
70	DS	72	-1264	1274	.	.	.	.	.	198	.	.
71	DS	73	-1276	1286	.	.	.	.	.	169	.	.
72	DS	74	-1282	1292	.	.	.	.	.	77	.	.
73	DS	75	-1335	1345	.	.	.	.	.	248	.	.
74	DS	76	-1327	1337	.	.	.	.	.	108	.	.
75	DS	78	-1344	1354	.	.	.	.	.	284	.	.
76	DS	79	-1378	1388	.	.	.	.	.	169	1386	.
77	DS	81	-1376	1386	1386	.	1	979	.	266	1386	.
78	DS	83	-1388	1398	.	.	.	.	.	173	.	.
79	DS	84	-1379	1389	.	.	.	.	.	295	.	.
80	DS	85	-1412	1422	.	.	.	.	.	178	1421	.
81	DS	86	-1420	1430	.	.	.	.	.	178	1429	.
82	DS	89	-1504	1514	.	.	.	.	.	149	1514	.
83	DS	92	-1605	1615	.	.	.	.	.	202	1615	.
84	DS	93	-1642	1652	1653	1	1	992	.	202	1653	.
85	DS	96	-1627	1637	.	.	.	.	.	184	.	.
86	DS	98	-1691	1701	.	.	.	.	.	120	.	.
87	DS	103	-1748	1758	.	.	.	.	.	149	.	.
88	DS	108	-1833	1843	.	.	.	.	.	252	.	.
89	DS	109	-1837	1847	.	.	.	.	.	228	1847	.
90	DS	110	-1843	1853	.	.	.	.	.	228	1853	.
91	DS	111	-1840	1850	1850	.	1	974	.	149	1850	.
92	DS	112	-1955	1965	.	.	.	.	.	149	.	.
93	DS	113	-2041	2051	.	.	.	.	.	256	.	.
94	DS	114	-2042	2052	.	.	.	.	.	252	2051	.
95	DS	115	-2049	2059	.	.	.	.	.	252	2057	.
96	DS	116	-2122	2132	.	.	.	.	.	252	2130	.
97	DS	117	-2221	2231	.	.	.	.	.	268	.	.
98	DS	118	-2499	2509	.	.	.	.	.	276	.	.
99	DS	119	-2500	2510	.	.	.	.	.	278	.	.
100	DS	120	-2598	2607	.	.	.	.	.	276	.	.
101	DS	128	-2421	2431	.	.	.	.	.	279	.	.
102	DS	37	-847	858	.	.	.	.	.	122	.	.

Quantitation Report File: AD20S594MSD

Data: AD20S594MSD.TI
06/14/91 23:12:00
Sample: S10MSD 91-13594MSD
Conds.: MS-B CASE: EOH0022
Submitted by: Analyst: JOHNSON

AMOUNT=AREA * REF AMNT/(REF AREA * RESP FACT)
Resp. fac. from Library Entry

No	Name
1	ISTD D4-1,4-DICHLOROBENZENE
2	ISTD D-8-NAPHTHALENE
3	ISTD ACENAPHTHENE-D10
4	INTERNAL STANDARD D-10-PHENANTHRENE
5	INTERNAL STANDARD D-12-CHRYSENE
6	ISTD D-12 PERYLENE
7	SURROGATE 2-FLUOROPHENOL
8	SURROGATE D-6-PHENOL
9	SURROGATE D5-NITROBENZENE
10	SURROGATE 2-FLUOROBIPHENYL
11	SURROGATE STANDARD 2,4,6-TRIBROMOPHENOL
12	SURROGATE STANDARD P-TERPHENYL D-14
13	N-NITROSODIMETHYLAMINE
14	2-PICOLINE
15	METHYL METHANESULFONATE
16	ETHYL METHANESULFONATE
17	C315 PHENOL
18	ANILINE
19	BIS(2-CHLOROETHYL)ETHER
20	2-CHLOROPHENOL
21	1,3-DICHLOROBENZENE
22	1,4-DICHLOROBENZENE
23	BENZYL ALCOHOL
24	1,2-DICHLOROBENZENE
25	2-METHYLPHENOL
26	BIS(2-CHLOROISOPROPYL)ETHER
27	4-METHYLPHENOL
28	N-NITROSO-DI-N-PROPYLAMINE
29	HEXACHLOROETHANE
30	ACETOPHENONE
31	NITROBENZENE
32	N-NITROSOPIPERIDINE
33	ISOPHORONE
34	2-NITROPHENOL
35	2,4-DIMETHYLPHENOL
36	BIS(2-CHLOROETHOXY)METHANE
37	2,4-DICHLOROPHENOL
38	1,2,4-TRICHLOROBENZENE
39	NAPHTHALENE
40	4-CHLOROANILINE
41	2,6-DICHLOROPHENOL
42	HEXACHLOROBUTADIENE
43	N-NITROSO-DI-N-BUTYLAMINE
44	4-CHLORO-3-METHYLPHENOL
45	2-METHYL NAPHTHALENE
46	1,2,4,5-TETRACHLOROBENZENE
47	HEXACHLOROCYCLOPENTADIENE
48	2,4,6-TRICHLOROPHENOL
49	2,4,5-TRICHLOROPHENOL
50	2-CHLORONAPHTHALENE

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount	%Tot
1	152	693	11:08	1	1.000	A BB	26935.	40.000 UG	1.38
2	136	892	14:20	2	1.000	A BB	91842.	40.000 UG	1.38
3	164	1175	18:53	3	1.000	A BB	57091.	40.000 UG	1.38
4	188	1417	22:47	4	1.000	A BB	87724.	40.000 UG	1.38
5	240	1849	29:44	5	1.000	A BB	35103.	40.000 UG	1.38
6	264	2146	34:30	6	1.000	A BB	26152.	40.000 UG	1.38
7	112	501	8:03	1	0.723	A BB	118585.	107.698 UG	3.72
8	99	641	10:18	1	0.925	A BB	185757.	131.774 UG	4.55
9	82	779	12:31	2	0.873	A BB	73664.	48.164 UG	1.66
10	172	1067	17:09	3	0.908	A BB	125935.	73.411 UG	2.54
11	330	1303	20:57	3	1.109	A BB	58611.	275.850 UG	9.53
12	244	1678	26:59	5	0.908	A BV	147126.	102.123 UG	3.53
13	NOT FOUND								
14	NOT FOUND								
15	NOT FOUND								
16	NOT FOUND								
17	94	643	10:20	1	0.928	A BB	191563.	105.129 UG	3.63 SP
~~18~~	~~93~~	~~643~~	~~10:20~~	~~1~~	~~0.928~~	~~A BB~~	~~4820.~~	~~2.565 UG~~	~~0.09~~
19	NOT FOUND								
20	128	662	10:39	1	0.955	A BB	118556.	113.353 UG	3.92 SP
~~21~~	~~146~~	~~696~~	~~11:11~~	~~1~~	~~1.004~~	~~A BB~~	~~67150.~~	~~60.825 UG~~	~~2.10~~
22	146	696	11:11	1	1.004	A BB	67150.	59.700 UG	2.06 SP
23	NOT FOUND								
~~24~~	~~146~~	~~696~~	~~11:11~~	~~1~~	~~1.004~~	~~A BB~~	~~67150.~~	~~62.140 UG~~	~~2.15~~
25	NOT FOUND								
26	NOT FOUND								
27	NOT FOUND								
28	70	757	12:10	1	1.092	A BB	64866.	52.561 UG	1.82 SP
29	NOT FOUND								
30	NOT FOUND								
31	NOT FOUND								
32	NOT FOUND								
33	NOT FOUND								
34	NOT FOUND								
35	NOT FOUND								
36	NOT FOUND								
37	NOT FOUND								
38	180	883	14:12	2	0.990	A BB	62437.	78.253 UG	2.70 SP
~~39~~	~~128~~	~~895~~	~~14:23~~	~~2~~	~~1.003~~	~~A BB~~	~~155.~~	~~0.054 UG~~	~~0.00~~
40	NOT FOUND								
41	NOT FOUND								
42	NOT FOUND								
43	NOT FOUND								
44	107	983	15:48	2	1.102	A BB	145005.	150.422 UG	5.20 SP
45	NOT FOUND								
46	NOT FOUND								
47	NOT FOUND								
48	NOT FOUND								
49	NOT FOUND								
50	NOT FOUND								

No	Ret(L)	Ratio	RRT(L)	Ratio	Amnt	Amnt(L)	R.Fac	R.Fac(L)	Ratio
1	10:59	1.01	1.000	1.00	40.00	40.00	1.000	1.000	1.00
2	14:11	1.01	1.000	1.00	40.00	40.00	1.000	1.000	1.00
3	18:44	1.01	1.000	1.00	40.00	40.00	1.000	1.000	1.00
4	22:37	1.01	1.000	1.00	40.00	40.00	1.000	1.000	1.00
5	29:34	1.01	1.000	1.00	40.00	40.00	1.000	1.000	1.00
6	34:20	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
7	7:51	1.03	0.714	1.01	107.70	50.00	3.522	1.635	2.15
8	10:08	1.02	0.922	1.00	131.77	50.00	5.517	2.093	2.64
9	12:22	1.01	0.872	1.00	48.16	50.00	0.642	0.666	0.96
10	17:00	1.01	0.907	1.00	73.41	50.00	1.765	1.202	1.47
11	20:48	1.01	1.111	1.00	275.85	50.00	0.821	0.149	5.52
12	26:49	1.01	0.907	1.00	102.12	50.00	3.353	1.642	2.04
13	4:14		0.385						

14	6:19		0.575						
15	7:26		0.676						
16	9:09		0.833						
17	10:10	1.02	0.925	1.00	105.13	50.00	5.690	2.706	2.10
18	10:12	1.01	0.928	1.00	2.57	50.00	0.143	2.790	0.05
19	10:23		0.946						
20	10:28	1.02	0.953	1.00	113.35	50.00	3.521	1.553	2.27
21	10:50	1.03	0.987	1.02	60.82	50.00	1.994	1.639	1.22
22	11:02	1.01	1.004	1.00	59.70	50.00	1.994	1.670	1.19
23	11:21		1.034						
24	11:23	0.98	1.037	0.97	62.14	50.00	1.994	1.605	1.24
25	11:37		1.059						
26	11:41		1.064						
27	11:37		1.059						
28	12:02	1.01	1.097	1.00	52.56	50.00	1.927	1.833	1.05
29	12:14		1.114						
30	12:01		0.847						
31	12:26		0.876						
32	12:49		0.904						
33	13:02		0.920						
34	13:13		0.932						
35	13:21		0.941						
36	13:36		0.959						
37	13:50		0.975						
38	14:02	1.01	0.990	1.00	78.25	50.00	0.544	0.348	1.57
39	14:14	1.01	1.003	1.00	0.05	50.00	0.001	1.239	0.00
40	14:23		1.015						
41	14:24		1.016						
42	14:34		1.027						
43	15:17		1.078						
44	15:39	1.01	1.103	1.00	150.42	50.00	1.263	0.420	3.01
45	16:02		1.130						
46	16:28		0.879						
47	16:26		0.877						
48	16:45		0.894						
49	16:51		0.900						
50	17:18		0.924						

Quantitation Report File: AD20S594MSD

Data: AD20S594MSD.TI
06/14/91 23:12:00
Sample: S10MSD 91-13594MSD
Conds.: MS-B CASE: EOH0022
Submitted by: Analyst: JOHNSON

AMOUNT=AREA * REF AMNT/(REF AREA * RESP FACT)
Resp. fac. from Library Entry

No	Name
51	1-CHLORONAPHTHALENE
52	2-NITROANILINE
53	DIMETHYL PHTHALATE
54	2,6-DINITROTOLUENE
55	ACENAPHTHYLENE
56	3-NITROANILINE
57	ACENAPHTHENE
58	2,4-DINITROPHENOL
59	4-NITROPHENOL
60	DIBENZOFURAN
61	2,4-DINITROTOLUENE
62	PENTACHLOROBENZENE
63	1-NAPHTHYLAMINE
64	2,3,4,6-TETRACHLOROPHENOL
65	2-NAPHTHYLAMINE
66	DIETHYL PHTHALATE
67	4-CHLOROPHENYL PHENYL ETHER
68	FLUORENE
69	4-NITROANILINE
70	4,6-DINITRO-2-METHYLPHENOL
71	N-NITROSODIPHENYLAMINE
72	1,2-DIPHENYLHYDRAZINE
73	4-BROMOPHENYL PHENYL ETHER
74	PHENACETIN
75	HEXACHLOROBENZENE
76	4-AMINOBIPHENYL
77	PENTACHLOROPHENOL
78	PRONAMIDE (PROPYZAMIDE)
79	PENTACHLORONITROBENZENE
80	PHENANTHRENE
81	ANTHRACENE
82	DI-N-BUTYL PHTHALATE
83	FLUORANTHENE
84	PYRENE
85	BENZIDINE
86	P-DIMETHYLAMINOAZOBENZENE
87	BUTYL BENZYL PHTHALATE
88	3,3'-DICHLOROBENZIDINE
89	BENZO(A)ANTHRACENE
90	CHRYSENE
91	BIS(2-ETHYLHEXYL)PHTHALATE
92	DI-N-OCTYL PHTHALATE
93	7,12-DIMETHYLBENZ(A)ANTHRACENE
94	BENZO(B)FLUORANTHENE
95	BENZO(K)FLUORANTHENE
96	BENZO(A)PYRENE
97	3-METHYLCHOLANTHRENE
98	INDENO (1,2,3-CD)PYRENE
99	DIBENZ(A,H)ANTHRACENE
100	BENZO (G,H,I)PERYLENE

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount	%Tot
51	NOT FOUND								
52	NOT FOUND								
53	NOT FOUND								
~~54~~	~~165~~	~~1142~~	~~18:22~~	~~3~~	~~0.972~~	~~A BB~~	~~189.~~	~~0.450 UG~~	~~0.02~~
55	NOT FOUND								
56	NOT FOUND								
57	154	1181	18:59	3	1.005	A BB	115070.	75.976 UG	2.62 SP
58	NOT FOUND								
59	139	1197	19:15	3	1.019	A BB	40898.	244.845 UG	8.46 SP
~~60~~	~~168~~	~~1209~~	~~19:26~~	~~3~~	~~1.029~~	~~A BB~~	~~197.~~	~~0.080 UG~~	~~0.00~~
61	165	1208	19:25	3	1.028	A BB	42189.	79.063 UG	2.73 SP
62	NOT FOUND								
63	NOT FOUND								
~~64~~	~~232~~	~~1228~~	~~19:45~~	~~3~~	~~1.045~~	~~A BB~~	~~405.~~	~~1.256 UG~~	~~0.04~~
65	NOT FOUND								
~~66~~	~~149~~	~~1248~~	~~20:04~~	~~3~~	~~1.062~~	~~A BB~~	~~1532.~~	~~0.720 UG~~	~~0.02~~
67	NOT FOUND								
68	NOT FOUND								
69	NOT FOUND								
70	NOT FOUND								
71	NOT FOUND								
72	NOT FOUND								
73	NOT FOUND								
74	NOT FOUND								
75	NOT FOUND								
~~76~~	~~169~~	~~1386~~	~~22:17~~	~~4~~	~~0.978~~	~~A BB~~	~~5943.~~	~~4.034 UG~~	~~0.14~~
77	266	1386	22:17	4	0.978	A BB	41552.	251.790 UG	8.70 SP
78	NOT FOUND								
79	NOT FOUND								
80	178	1421	22:51	4	1.003	A BB	1636.	0.701 UG	0.02 ✓
~~81~~	~~178~~	~~1429~~	~~22:58~~	~~4~~	~~1.008~~	~~A BB~~	~~134.~~	~~0.057 UG~~	~~0.00~~
~~82~~	~~149~~	~~1514~~	~~24:20~~	~~4~~	~~1.068~~	~~A BB~~	~~570.~~	~~0.198 UG~~	~~0.01~~
83	202	1615	25:58	4	1.140	A BB	2748.	1.514 UG	0.05 ✓
84	202	1653	26:34	5	0.894	A BB	146806.	95.157 UG	3.29 SP ✓
85	NOT FOUND								
86	NOT FOUND								
87	NOT FOUND								
88	NOT FOUND								
~~89~~	~~228~~	~~1847~~	~~29:42~~	~~5~~	~~0.999~~	~~A BV~~	~~743.~~	~~0.748 UG~~	~~0.03~~
~~90~~	~~228~~	~~1853~~	~~29:47~~	~~5~~	~~1.002~~	~~A VB~~	~~724.~~	~~0.721 UG~~	~~0.02~~
91	149	1850	29:44	5	1.001	A BB	6475.	5.125 UG	0.18 ✓
92	NOT FOUND								
93	NOT FOUND								
~~94~~	~~252~~	~~2051~~	~~32:58~~	~~6~~	~~0.956~~	~~A BV~~	~~928.~~	~~1.051 UG~~	~~0.04~~
~~95~~	~~252~~	~~2057~~	~~33:04~~	~~6~~	~~0.959~~	~~A VB~~	~~147.~~	~~0.183 UG~~	~~0.01~~
~~96~~	~~252~~	~~2130~~	~~34:15~~	~~6~~	~~0.993~~	~~A BB~~	~~426.~~	~~0.574 UG~~	~~0.02~~
97	NOT FOUND								
98	NOT FOUND								
99	NOT FOUND								
100	NOT FOUND								

No	Ret(L)	Ratio	RRT(L)	Ratio	Amnt	Amnt(L)	R.Fac	R.Fac(L)	Ratio
51	17:18		0.924						
52	17:34		0.938						
53	18:04		0.965						
54	18:13	1.01	0.973	1.00	0.45	50.00	0.003	0.295	0.01
55	18:22		0.980						
56	18:39		0.996						
57	18:50	1.01	1.005	1.00	75.98	50.00	1.612	1.061	1.52
58	18:55		1.010						
59	19:05	1.01	1.019	1.00	244.85	50.00	0.573	0.117	4.90
60	19:17	1.01	1.029	1.00	0.08	50.00	0.003	1.741	0.00
61	19:17	1.01	1.029	1.00	79.06	50.00	0.591	0.374	1.58
62	19:10		1.023						
63	19:29		1.040						

01041

64	19:36	1.01	1.046	1.00	1.26	50.00	0.006	0.226	0.03
65	19:42		1.052						
66	19:55	1.01	1.064	1.00	0.72	50.00	0.021	1.491	0.01
67	20:12		1.078						
68	20:11		1.077						
69	20:14		1.081						
70	20:19		0.898						
71	20:31		0.907						
72	20:37		0.911						
73	21:28		0.949						
74	21:20		0.943						
75	21:36		0.955						
76	22:09	1.01	0.979	1.00	4.03	50.00	0.054	0.672	0.08
77	22:07	1.01	0.978	1.00	251.79	50.00	0.379	0.075	5.04
78	22:19		0.986						
79	22:10		0.980						
80	22:42	1.01	1.004	1.00	0.70	50.00	0.015	1.065	0.01
81	22:50	1.01	1.009	1.00	0.06	50.00	0.001	1.072	0.00
82	24:11	1.01	1.069	1.00	0.20	50.00	0.005	1.313	0.00
83	25:48	1.01	1.141	1.00	1.51	50.00	0.025	0.828	0.03
84	26:24	1.01	0.893	1.00	95.16	50.00	3.346	1.758	1.90
85	26:09		0.885						
86	27:11		0.920						
87	28:06		0.951						
88	29:28		0.997						
89	29:32	1.01	0.999	1.00	0.75	50.00	0.017	1.132	0.01
90	29:38	1.01	1.002	1.00	0.72	50.00	0.017	1.144	0.01
91	29:35	1.01	1.001	1.00	5.12	50.00	0.148	1.440	0.10
92	31:26		0.915						
93	32:49		0.956						
94	32:50	1.00	0.956	1.00	1.05	50.00	0.028	1.351	0.02
95	32:56	1.00	0.959	1.00	0.18	50.00	0.004	1.229	0.00
96	34:07	1.00	0.993	1.00	0.57	50.00	0.013	1.135	0.01
97	35:42		1.040						
98	40:11		1.170						
99	40:11		1.170						
100	41:46		1.216						

Quantitation Report File: AD20S594MSD

Data: AD20S594MSD.TI
06/14/91 23:12:00
Sample: S10MSD 91-13594MSD
Conds.: MS-B CASE: EQH0022
Submitted by: Analyst: JOHNSON

AMOUNT=AREA * REF AMNT/(REF AREA * RESP FACT)
Resp. fac. from Library Entry

No	Name
101	DIBENZ(A,J)ACRIDINE
102	BENZOIC ACID

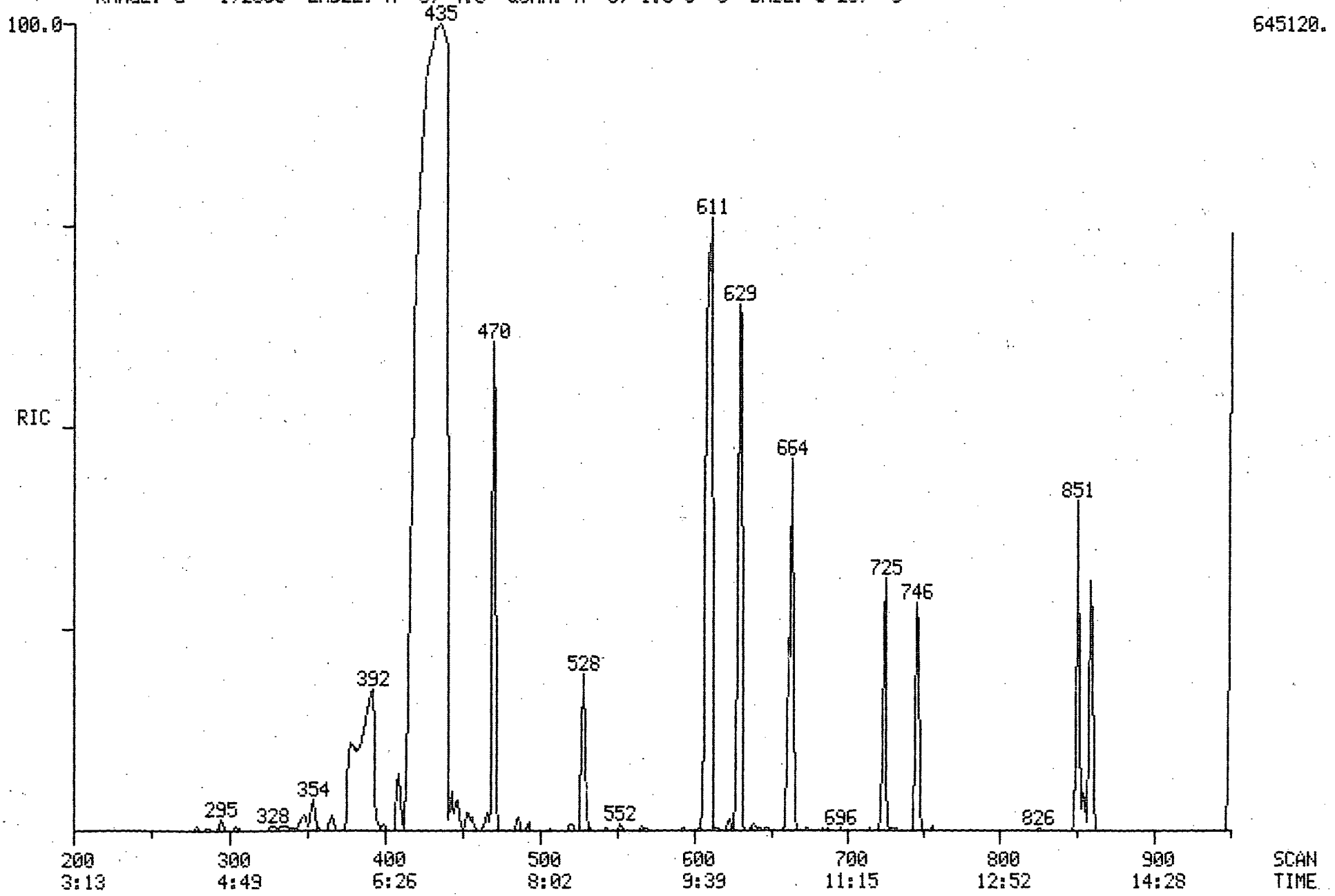
No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount	%Tot
101	NOT FOUND								
102	NOT FOUND								

No	Ret(L)	Ratio	RRT(L)	Ratio	Amnt	Amnt(L)	R.Fac	R.Fac(L)	Ratio
101	38:55		1.133						
102	13:37		0.960						

MIDRIC
06/16/91 3:44:00
SAMPLE: METHOD CHECK
CONDS.: MS-B CASE: EOH0022
RANGE: G 1.2800 LABEL: N 0, 4.0 QUAN: A 0, 1.0 J 0 BASE: U 20, 3

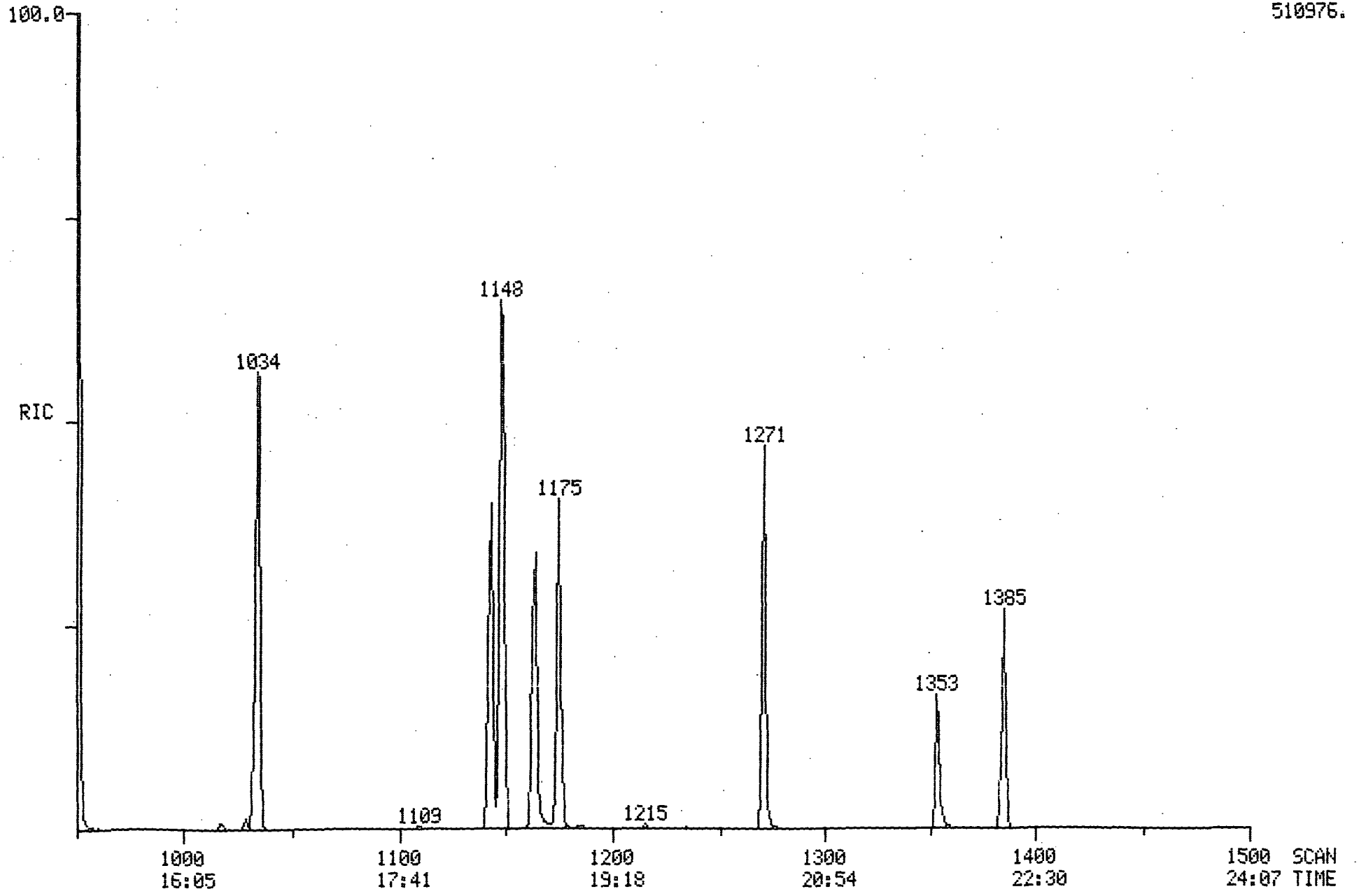
DATA: AD37MTCHK #1 SCANS 200 TO 950
CALI: AD37MTCHK #2

T.J. Masoca
6-17-91



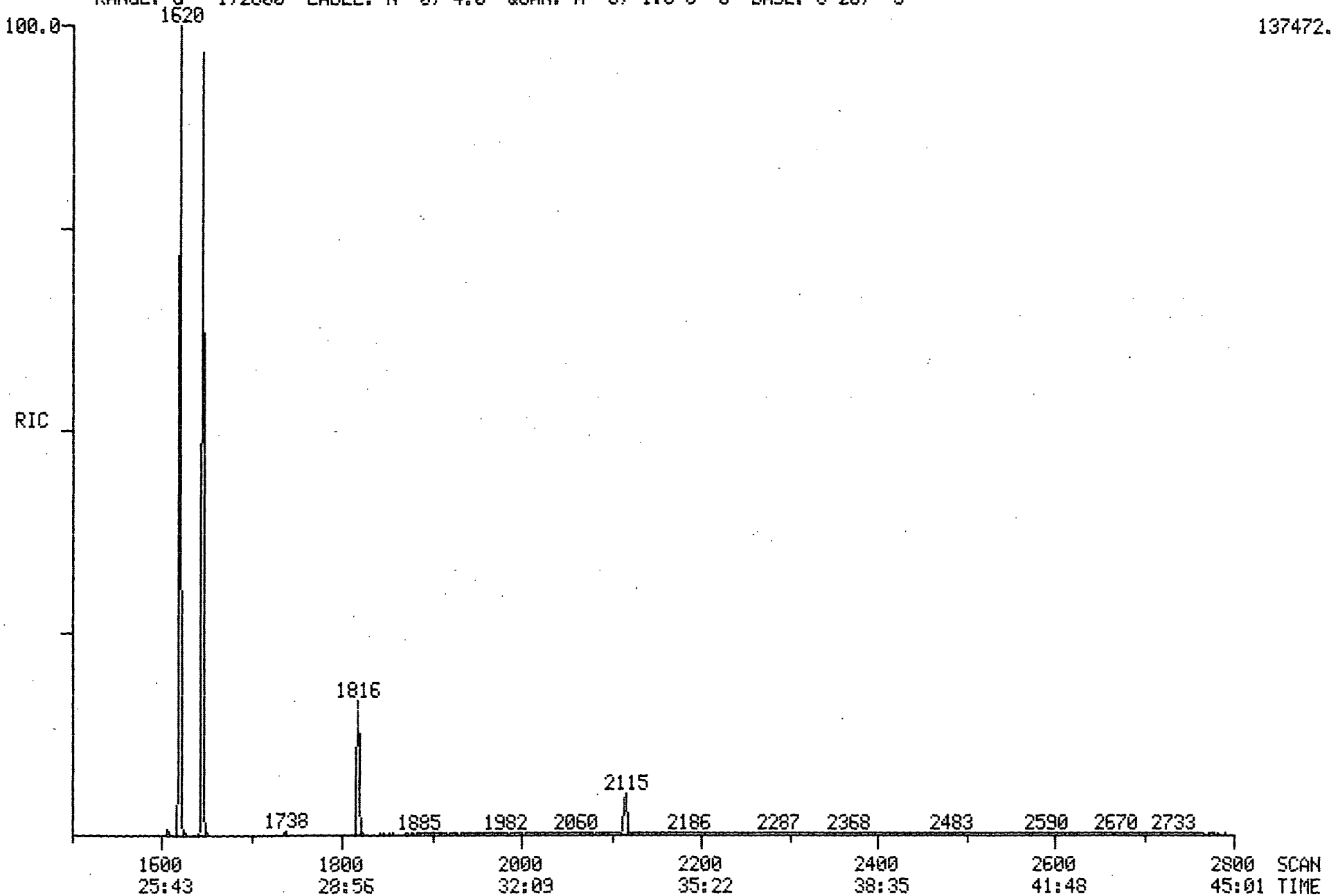
MIDRIC
06/16/91 3:44:00
SAMPLE: METHOD CHECK
CONDS.: MS-B CASE: EOH0022
RANGE: G 1,2800 LABEL: N 0, 4.0 QUAN: A 0, 1.0 J 0 BASE: U 20, 3

DATA: AD37MTCHK #1 SCANS 950 TO 1500
CALI: AD37MTCHK #2



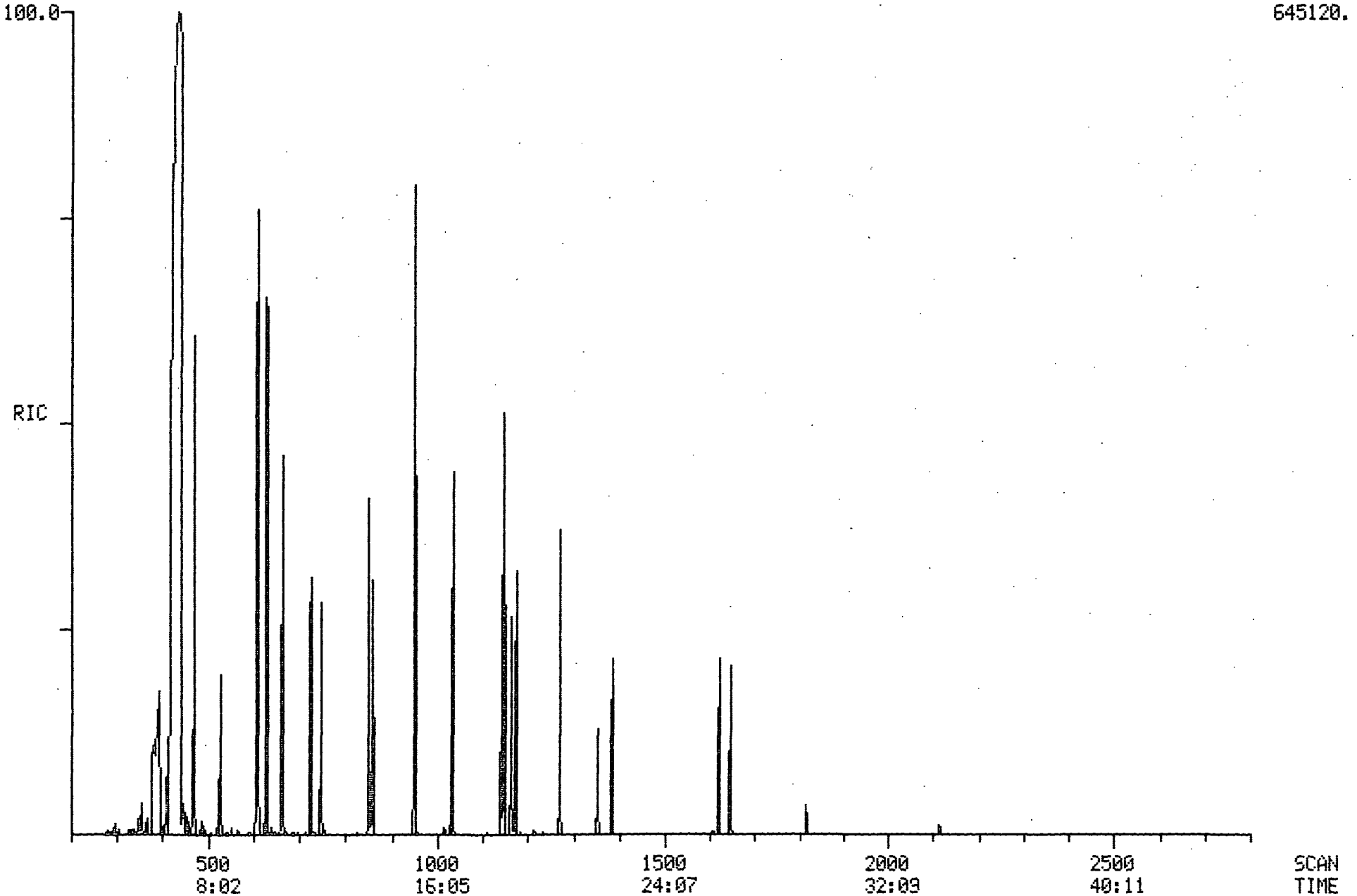
MIDRIC
06/16/91 3:44:00
SAMPLE: METHOD CHECK
CONDS.: MS-B CASE: EOH0022
RANGE: G 1,2800 LABEL: N 0, 4.0 QUAN: A 0, 1.0 J 0 BASE: U 20, 3

DATA: AD37MTCHK #1 SCANS 1500 TO 2800
CALI: AD37MTCHK #2



MIDRIC
06/16/91 3:44:00
SAMPLE: METHOD CHECK
CONDS.: MS-B CASE: EOH0022
RANGE: G 1,2800 LABEL: N 0, 4.0 QUAN: A 0, 1.0 J 0 BASE: U 20, 3

DATA: AD37MTCHK #1 SCANS 200 TO 2800
CALI: AD37MTCHK #2



PROCEDURE: TCA DIAGNOSTIC REPORT 6/17/91 4:31:22
DATA FILE: AD37MTCHK
REFERENCE: 82711
NAME LIST: 8270 INITIALIZATION OPTION: 4 PROCESSING OPTION: 3
REPORT: DSISTD

< ---- STANDARDS ----- ><				--- PLUS UNKNOWNS --- ><				- LIST NAMES - >
PROC	USED	POSS	RMS	PROC	USED	POSS	RMS	STANDARD/UNKNOWN
6	4	1	58	12	12	1	137	DSISTD/DSSURR
6	6	1	42	21	11	1	829	DSISTD/82701
6	6	1	42	21	8	1	72	DSISTD/82702
6	6	1	42	21	7	1	49	DSISTD/82703
6	6	1	42	21	8	1	78	DSISTD/82704
6	6	1	42	21	8	1	47	DSISTD/82705
6	6	1	42	21	7	1	37	DSISTD/82706

102 COMPOUNDS PROCESSED, 23 FOUND

< COMPOUND ><			---------- SEARCH ---------- >< SAT >< ------ CHRO ------- >										
NO	LIB	ENTRY	REF	PRED	SEL	DELTA	PEAKS	FIT	PEAKS	M/Z	TOP	DELTA	PEAKS
1	DS	1	-683	661	661	.	1	978	.	152	661	.	1
2	DS	2	-882	860	859	-1	1	900	.	136	859	.	1
3	DS	3	-1165	1143	1143	.	1	949	.	164	1143	.	1
4	DS	4	-1407	1385	1385	.	1	986	.	188	1385	.	1
5	DS	5	-1839	1817	.	.	.	.	.	240	1816	.	1
6	DS	6	-2136	2114	.	.	.	.	.	264	2115	.	1
7	DS	7	-488	467	470	3	1	992	-1	112	470	.	1
8	DS	8	-630	609	609	.	1	942	-1	99	608	-1	1
9	DS	9	-769	747	746	-1	1	981	.	82	746	.	1
10	DS	10	-1057	1035	1034	-1	1	982	.	172	1034	.	1
11	DS	11	-1294	1272	1271	-1	1	966	.	330	1271	.	1
12	DS	12	-1668	1646	1646	.	1	993	.	244	1645	-1	1
13	DS	13	-263	239	.	.	.	.	.	42	.	.	.
14	DS	14	-393	369	.	.	.	.	.	93	.	.	.
15	DS	15	-462	439	.	.	.	.	.	80	.	.	.
16	DS	16	-569	546	.	.	.	.	.	79	.	.	.
17	DS	17	-632	609	611	2	1	968	-2	94	611	.	1
18	DS	18	-634	611	.	.	.	.	2	93	611	.	1
19	DS	19	-646	623	.	.	.	.	.	93	.	.	.
20	DS	20	-651	628	629	1	1	950	-1	128	629	.	1
21	DS	21	-674	651	664	13	1	968	.	146	664	.	1
22	DS	22	-686	663	664	1	1	967	.	146	664	.	1
23	DS	23	-706	683	.	.	.	.	.	108	.	.	.
24	DS	24	-708	685	664	-21	1	964	.	146	664	.	1
25	DS	25	-723	700	.	.	.	.	.	108	.	.	.
26	DS	26	-727	704	.	.	.	.	.	45	.	.	.
27	DS	27	-723	700	.	.	.	.	.	108	.	.	.
28	DS	28	-749	726	725	-1	1	980	.	70	725	.	1
29	DS	29	-761	738	.	.	.	.	.	117	.	.	.
30	DS	30	-747	724	.	.	.	.	.	105	.	.	.
31	DS	31	-773	750	.	.	.	.	.	77	.	.	.
32	DS	32	-797	774	.	.	.	.	.	42	.	.	.
33	DS	33	-811	788	.	.	.	.	.	82	.	.	.
34	DS	34	-822	799	.	.	.	.	.	139	.	.	.
35	DS	35	-830	807	.	.	.	.	.	122	.	.	.
36	DS	36	-846	823	.	.	.	.	.	93	.	.	.
37	DS	39	-860	837	.	.	.	.	.	162	.	.	.
38	DS	40	-873	850	851	1	1	959	.	180	851	.	1
39	DS	41	-885	862	.	.	.	.	.	128	.	.	.
40	DS	42	-895	872	.	.	.	.	.	127	.	.	.
41	DS	43	-896	873	.	.	.	.	.	162	.	.	.
42	DS	44	-906	883	.	.	.	.	.	225	.	.	.
43	DS	45	-951	929						84			

44	DS	46	-973	951	.	.	.	.	-1	107	951	.	1
45	DS	47	-997	975	.	.	.	.	.	142	.	.	.
46	DS	48	-1024	1002	.	.	.	.	.	216	.	.	.
47	DS	49	-1022	1000	.	.	.	.	.	237	.	.	.
48	DS	50	-1042	1020	.	.	.	.	.	196	.	.	.
49	DS	51	-1048	1026	.	.	.	.	.	196	.	.	.
50	DS	52	-1076	1054	.	.	.	.	.	162	.	.	.
51	DS	53	-1076	1054	.	.	.	.	.	162	.	.	.
52	DS	54	-1093	1071	.	.	.	.	.	65	.	.	.
53	DS	55	-1124	1102	.	.	.	.	.	163	.	.	.
54	DS	56	-1133	1111	.	.	.	.	.	165	1109	.	1
55	DS	57	-1142	1120	.	.	.	.	.	152	.	.	.
56	DS	58	-1160	1138	.	.	.	.	.	138	.	.	.
57	DS	59	-1171	1149	1148	-1	1	966	.	154	1148	.	1
58	DS	60	-1177	1154	.	.	.	.	.	184	.	.	.
59	DS	61	-1187	1164	1164	.	1	973	.	139	1164	.	1
60	DS	62	-1199	1176	.	.	.	.	.	168	1176	.	1
61	DS	63	-1199	1176	1175	-1	1	968	.	165	1175	.	1
62	DS	64	-1192	1169	.	.	.	.	.	250	.	.	.
63	DS	65	-1212	1189	.	.	.	.	.	143	.	.	.
64	DS	66	-1219	1196	.	.	.	.	.	232	1196	.	1
65	DS	67	-1225	1202	.	.	.	.	.	143	.	.	.
66	DS	68	-1239	1216	.	.	.	.	.	149	1215	.	1
67	DS	69	-1256	1233	.	.	.	.	.	204	.	.	.
68	DS	70	-1255	1232	.	.	.	.	.	166	.	.	.
69	DS	71	-1259	1236	.	.	.	.	.	138	.	.	.
70	DS	72	-1264	1241	.	.	.	.	.	198	.	.	.
71	DS	73	-1276	1253	.	.	.	.	.	169	.	.	.
72	DS	74	-1282	1259	.	.	.	.	.	77	.	.	.
73	DS	75	-1335	1313	.	.	.	.	.	248	.	.	.
74	DS	76	-1327	1305	.	.	.	.	.	108	.	.	.
75	DS	78	-1344	1322	.	.	.	.	.	284	.	.	.
76	DS	79	-1378	1356	.	.	.	.	.	169	.	.	.
77	DS	81	-1376	1354	1353	-1	1	971	.	266	1353	.	1
78	DS	83	-1388	1366	.	.	.	.	.	173	.	.	.
79	DS	84	-1379	1357	.	.	.	.	.	295	.	.	.
80	DS	85	-1412	1390	.	.	.	.	.	178	.	.	.
81	DS	86	-1420	1398	.	.	.	.	.	178	.	.	.
82	DS	89	-1504	1482	.	.	.	.	.	149	1481	.	1
83	DS	92	-1605	1583	.	.	.	.	.	202	.	.	.
84	DS	93	-1642	1620	1620	.	1	978	.	202	1620	.	1
85	DS	96	-1627	1605	.	.	.	.	.	184	.	.	.
86	DS	98	-1691	1669	.	.	.	.	.	120	.	.	.
87	DS	103	-1748	1726	.	.	.	.	.	149	.	.	.
88	DS	108	-1833	1811	.	.	.	.	.	252	.	.	.
89	DS	109	-1837	1815	.	.	.	.	.	228	.	.	.
90	DS	110	-1843	1821	.	.	.	.	.	228	.	.	.
91	DS	111	-1840	1818	1818	.	1	962	.	149	1818	.	1
92	DS	112	-1955	1933	.	.	.	.	.	149	.	.	.
93	DS	113	-2041	2019	.	.	.	.	.	256	.	.	.
94	DS	114	-2042	2020	.	.	.	.	.	252	.	.	.
95	DS	115	-2049	2027	.	.	.	.	.	252	.	.	.
96	DS	116	-2122	2100	.	.	.	.	.	252	.	.	.
97	DS	117	-2221	2199	.	.	.	.	.	268	.	.	.
98	DS	118	-2499	2477	.	.	.	.	.	276	.	.	.
99	DS	119	-2500	2478	.	.	.	.	.	278	.	.	.
100	DS	120	-2598	2576	.	.	.	.	.	276	.	.	.
101	DS	128	-2421	2399	.	.	.	.	.	279	.	.	.
102	DS	37	-847	825	.	.	.	.	.	122	.	.	.

Quantitation Report File: AD37MTCHK

Data: AD37MTCHK.TI
06/16/91 3:44:00
Sample: METHOD CHECK
Conds.: MS-B CASE: EOH0022
Submitted by: Analyst: JOHNSON

AMOUNT=AREA * REF AMNT/(REF AREA * RESP FACT)
Resp. fac. from Library Entry

No	Name
1	ISTD D4-1,4-DICHLOROBENZENE
2	ISTD D-8-NAPHTHALENE
3	ISTD ACENAPHTHENE-D10
4	INTERNAL STANDARD D-10-PHENANTHRENE
5	INTERNAL STANDARD D-12-CHRYSENE
6	ISTD D-12 PERYLENE
7	SURROGATE 2-FLUOROPHENOL
8	SURROGATE D-6-PHENOL
9	SURROGATE D5-NITROBENZENE
10	SURROGATE 2-FLUOROBIPHENYL
11	SURROGATE STANDARD 2,4,6-TRIBROMOPHENOL
12	SURROGATE STANDARD P-TERPHENYL D-14
13	N-NITROSODIMETHYLAMINE
14	2-PICOLINE
15	METHYL METHANESULFONATE
16	ETHYL METHANESULFONATE
17	C315 PHENOL
18	ANILINE
19	BIS(2-CHLOROETHYL)ETHER
20	2-CHLOROPHENOL
21	1,3-DICHLOROBENZENE
22	1,4-DICHLOROBENZENE
23	BENZYL ALCOHOL
24	1,2-DICHLOROBENZENE
25	2-METHYLPHENOL
26	BIS(2-CHLOROISOPROPYL)ETHER
27	4-METHYLPHENOL
28	N-NITROSO-DI-N-PROPYLAMINE
29	HEXACHLOROETHANE
30	ACETOPHENONE
31	NITROBENZENE
32	N-NITROSOPIPERIDINE
33	ISOPHORONE
34	2-NITROPHENOL
35	2,4-DIMETHYLPHENOL
36	BIS(2-CHLOROETHOXY)METHANE
37	2,4-DICHLOROPHENOL
38	1,2,4-TRICHLOROBENZENE
39	NAPHTHALENE
40	4-CHLOROANILINE
41	2,6-DICHLOROPHENOL
42	HEXACHLOROBUTADIENE
43	N-NITROSO-DI-N-BUTYLAMINE
44	4-CHLORO-3-METHYLPHENOL
45	2-METHYL NAPHTHALENE
46	1,2,4,5-TETRACHLOROBENZENE
47	HEXACHLOROCYCLOPENTADIENE
48	2,4,6-TRICHLOROPHENOL
49	2,4,5-TRICHLOROPHENOL
50	2-CHLORONAPHTHALENE

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount		%Tot
1	152	661	10:38	1	1.000	A BB	43447.	40.000	UG	0.79
2	136	859	13:49	2	1.000	A BB	172735.	40.000	UG	0.79
3	164	1143	18:23	3	1.000	A BB	86687.	40.000	UG	0.79
4	188	1385	22:16	4	1.000	A BB	99082.	40.000	UG	0.79
5	240	1816	29:12	5	1.000	A BB	21060.	40.000	UG	0.79
6	264	2115	34:00	6	1.000	A BB	11413.	40.000	UG	0.79
7	112	470	7:33	1	0.711	A BB	224142.	127.389	UG	2.51
8	99	608	9:46	1	0.920	A BV	356492.	133.492	UG	2.63
9	82	746	12:00	2	0.868	A BB	153576.	61.690	UG	1.22
10	172	1034	16:37	3	0.905	A BB	193501.	72.173	UG	1.42
11	330	1271	20:26	3	1.112	A BB	39632.	147.330	UG	2.91
12	244	1645	26:27	5	0.906	A BB	102862.	95.819	UG	1.89
13	NOT FOUND									
14	NOT FOUND									
15	NOT FOUND									
16	NOT FOUND									
17	94	611	9:49	1	0.924	A BB	313190.	109.927	UG	2.17
18	93	611	9:49	1	0.924	A BB	9036.	2.556	UG	0.05
19	NOT FOUND									
20	128	629	10:07	1	0.952	A BB	241684.	128.440	UG	2.53
21	146	664	10:40	1	1.005	A BB	120552.	65.455	UG	1.29
22	146	664	10:40	1	1.005	A BB	120552.	63.792	UG	1.26
23	NOT FOUND									
24	146	664	10:40	1	1.005	A BB	120552.	67.088	UG	1.32
25	NOT FOUND									
26	NOT FOUND									
27	NOT FOUND									
28	70	725	11:39	1	1.097	A BV	137277.	61.215	UG	1.21
29	NOT FOUND									
30	NOT FOUND									
31	NOT FOUND									
32	NOT FOUND									
33	NOT FOUND									
34	NOT FOUND									
35	NOT FOUND									
36	NOT FOUND									
37	NOT FOUND									
38	180	851	13:41	2	0.991	A BB	89756.	63.225	UG	1.25
39	NOT FOUND									
40	NOT FOUND									
41	NOT FOUND									
42	NOT FOUND									
43	NOT FOUND									
44	107	951	15:17	2	1.107	A BB	253561.	129.622	UG	2.56
45	NOT FOUND									
46	NOT FOUND									
47	NOT FOUND									
48	NOT FOUND									
49	NOT FOUND									
50	NOT FOUND									

No	Ret(L)	Ratio	RRT(L)	Ratio	Amnt	Amnt(L)	R.Fac	R.Fac(L)	Ratio
1	10:59	0.97	1.000	1.00	40.00	40.00	1.000	1.000	1.00
2	14:11	0.97	1.000	1.00	40.00	40.00	1.000	1.000	1.00
3	18:44	0.98	1.000	1.00	40.00	40.00	1.000	1.000	1.00
4	22:37	0.98	1.000	1.00	40.00	40.00	1.000	1.000	1.00
5	29:34	0.99	1.000	1.00	40.00	40.00	1.000	1.000	1.00
6	34:20	0.99	1.000	1.00	40.00	40.00	1.000	1.000	1.00
7	7:51	0.96	0.714	1.00	127.39	50.00	4.127	1.620	2.55
8	10:08	0.97	0.922	1.00	133.49	50.00	6.564	2.459	2.67
9	12:22	0.97	0.872	1.00	61.69	50.00	0.711	0.576	1.23
10	17:00	0.98	0.907	1.00	72.17	50.00	1.786	1.237	1.44
11	20:48	0.98	1.111	1.00	147.33	50.00	0.366	0.124	2.95
12	26:49	0.99	0.907	1.00	95.82	50.00	3.907	2.039	1.92
13	4:14		0.385						

14	6:19		0.575						
15	7:26		0.676						
16	9:09		0.833						
17	10:10	0.97	0.925	1.00	109.93	50.00	5.767	2.623	2.20
18	10:12	0.96	0.928	1.00	2.56	50.00	0.166	3.255	0.05
19	10:23		0.946						
20	10:28	0.97	0.953	1.00	128.44	50.00	4.450	1.732	2.57
21	10:50	0.99	0.987	1.02	65.46	50.00	2.220	1.696	1.31
22	11:02	0.97	1.004	1.00	63.79	50.00	2.220	1.740	1.28
23	11:21		1.034						
24	11:23	0.94	1.037	0.97	67.09	50.00	2.220	1.654	1.34
25	11:37		1.059						
26	11:41		1.064						
27	11:37		1.059						
28	12:02	0.97	1.097	1.00	61.21	50.00	2.528	2.065	1.22
29	12:14		1.114						
30	12:01		0.847						
31	12:26		0.876						
32	12:49		0.904						
33	13:02		0.920						
34	13:13		0.932						
35	13:21		0.941						
36	13:36		0.959						
37	13:50		0.975						
38	14:02	0.97	0.990	1.00	63.23	50.00	0.416	0.329	1.26
39	14:14		1.003						
40	14:23		1.015						
41	14:24		1.016						
42	14:34		1.027						
43	15:17		1.078						
44	15:39	0.98	1.103	1.00	129.62	50.00	1.174	0.453	2.59
45	16:02		1.130						
46	16:28		0.879						
47	16:26		0.877						
48	16:45		0.894						
49	16:51		0.900						
50	17:18		0.924						

Quantitation Report File: AD37MTCHK

Data: AD37MTCHK.TI
06/16/91 3:44:00
Sample: METHOD CHECK
Conds.: MS-B CASE: EOH0022
Submitted by: Analyst: JOHNSON

AMOUNT=AREA * REF AMNT/(REF AREA * RESP FACT)
Resp. fac. from Library Entry

No	Name
51	1-CHLORONAPHTHALENE
52	2-NITROANILINE
53	DIMETHYL PHTHALATE
54	2,6-DINITROTOLUENE
55	ACENAPHTHYLENE
56	3-NITROANILINE
57	ACENAPHTHENE
58	2,4-DINITROPHENOL
59	4-NITROPHENOL
60	DIBENZOFURAN
61	2,4-DINITROTOLUENE
62	PENTACHLOROBENZENE
63	1-NAPHTHYLAMINE
64	2,3,4,6-TETRACHLOROPHENOL
65	2-NAPHTHYLAMINE
66	DIETHYL PHTHALATE
67	4-CHLOROPHENYL PHENYL ETHER
68	FLUORENE
69	4-NITROANILINE
70	4,6-DINITRO-2-METHYLPHENOL
71	N-NITROSODIPHENYLAMINE
72	1,2-DIPHENYLHYDRAZINE
73	4-BROMOPHENYL PHENYL ETHER
74	PHENACETIN
75	HEXACHLOROBENZENE
76	4-AMINOBIPHENYL
77	PENTACHLOROPHENOL
78	PRONAMIDE (PROPYZAMIDE)
79	PENTACHLORONITROBENZENE
80	PHENANTHRENE
81	ANTHRACENE
82	DI-N-BUTYL PHTHALATE
83	FLUORANTHENE
84	PYRENE
85	BENZIDINE
86	P-DIMETHYLAMINOAZOBENZENE
87	BUTYL BENZYL PHTHALATE
88	3,3'-DICHLOROBENZIDINE
89	BENZO(A)ANTHRACENE
90	CHRYSENE
91	BIS(2-ETHYLHEXYL)PHTHALATE
92	DI-N-OCTYL PHTHALATE
93	7,12-DIMETHYLBENZ(A)ANTHRACENE
94	BENZO(B)FLUORANTHENE
95	BENZO(K)FLUORANTHENE
96	BENZO(A)PYRENE
97	3-METHYLCHOLANTHRENE
98	INDENO (1,2,3-CD)PYRENE
99	DIBENZ(A,H)ANTHRACENE
100	BENZO (G,H,I)PERYLENE

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount	%Tot
51	NOT FOUND								
52	NOT FOUND								
53	NOT FOUND								
54	165	1109	17:50	3	0.970	A BB	363.	0.595 UG	0.01
55	NOT FOUND								
56	NOT FOUND								
57	154	1148	18:27	3	1.004	A BB	169485.	65.908 UG	1.30
58	NOT FOUND								
59	139	1164	18:43	3	1.018	A BB	47390.	171.494 UG	3.38
60	168	1176	18:54	3	1.029	A BB	131.	0.036 UG	0.00
61	165	1175	18:53	3	1.028	A BB	53079.	69.790 UG	1.38
62	NOT FOUND								
63	NOT FOUND								
64	232	1196	19:14	3	1.046	A BB	258.	0.577 UG	0.01
65	NOT FOUND								
66	149	1215	19:32	3	1.063	A BB	2091.	0.667 UG	0.01
67	NOT FOUND								
68	NOT FOUND								
69	NOT FOUND								
70	NOT FOUND								
71	NOT FOUND								
72	NOT FOUND								
73	NOT FOUND								
74	NOT FOUND								
75	NOT FOUND								
76	NOT FOUND								
77	266	1353	21:45	4	0.977	A BB	17998.	92.450 UG	1.82
78	NOT FOUND								
79	NOT FOUND								
80	NOT FOUND								
81	NOT FOUND								
82	149	1481	23:49	4	1.069	A BB	549.	0.141 UG	0.00
83	NOT FOUND								
84	202	1620	26:03	5	0.892	A BB	112259.	86.463 UG	1.71
85	NOT FOUND								
86	NOT FOUND								
87	NOT FOUND								
88	NOT FOUND								
89	NOT FOUND								
90	NOT FOUND								
91	149	1818	29:14	5	1.001	A BB	4316.	8.150 UG	0.16
92	NOT FOUND								
93	NOT FOUND								
94	NOT FOUND								
95	NOT FOUND								
96	NOT FOUND								
97	NOT FOUND								
98	NOT FOUND								
99	NOT FOUND								
100	NOT FOUND								

No	Ret(L)	Ratio	RRT(L)	Ratio	Amnt	Amnt(L)	R.Fac	R.Fac(L)	Ratio
51	17:18		0.924						
52	17:34		0.938						
53	18:04		0.965						
54	18:13	0.98	0.973	1.00	0.60	50.00	0.003	0.281	0.01
55	18:22		0.980						
56	18:39		0.996						
57	18:50	0.98	1.005	1.00	65.91	50.00	1.564	1.187	1.32
58	18:55		1.010						
59	19:05	0.98	1.019	1.00	171.49	50.00	0.437	0.128	3.43
60	19:17	0.98	1.029	1.00	0.04	50.00	0.001	1.688	0.00
61	19:17	0.98	1.029	1.00	69.79	50.00	0.490	0.351	1.40
62	19:10		1.023						
63	19:29		1.040						

64	19:36	0.98	1.046	1.00	0.58	50.00	0.002	0.206	0.01
65	19:42		1.052						
66	19:55	0.98	1.064	1.00	0.67	50.00	0.019	1.446	0.01
67	20:12		1.078						
68	20:11		1.077						
69	20:14		1.081						
70	20:19		0.898						
71	20:31		0.907						
72	20:37		0.911						
73	21:28		0.949						
74	21:20		0.943						
75	21:36		0.955						
76	22:09		0.979						
77	22:07	0.98	0.978	1.00	92.45	50.00	0.145	0.079	1.85
78	22:19		0.986						
79	22:10		0.980						
80	22:42		1.004						
81	22:50		1.009						
82	24:11	0.98	1.069	1.00	0.14	50.00	0.004	1.568	0.00
83	25:48		1.141						
84	26:24	0.99	0.893	1.00	86.46	50.00	4.264	2.466	1.73
85	26:09		0.885						
86	27:11		0.920						
87	28:06		0.951						
88	29:28		0.997						
89	29:32		0.999						
90	29:38		1.002						
91	29:35	0.99	1.001	1.00	8.15	50.00	0.164	1.006	0.16
92	31:26		0.915						
93	32:49		0.956						
94	32:50		0.956						
95	32:56		0.959						
96	34:07		0.993						
97	35:42		1.040						
98	40:11		1.170						
99	40:11		1.170						
100	41:46		1.216						

Quantitation Report File: AD37MTCHK

Data: AD37MTCHK.TI
06/16/91 3:44:00
Sample: METHOD CHECK
Conds.: MS-B CASE: EOH0022
Submitted by: Analyst: JOHNSON

AMOUNT=AREA * REF AMNT/(REF AREA * RESP FACT)
Resp. fac. from Library Entry

No	Name
101	DIBENZ(A,J)ACRIDINE
102	BENZOIC ACID

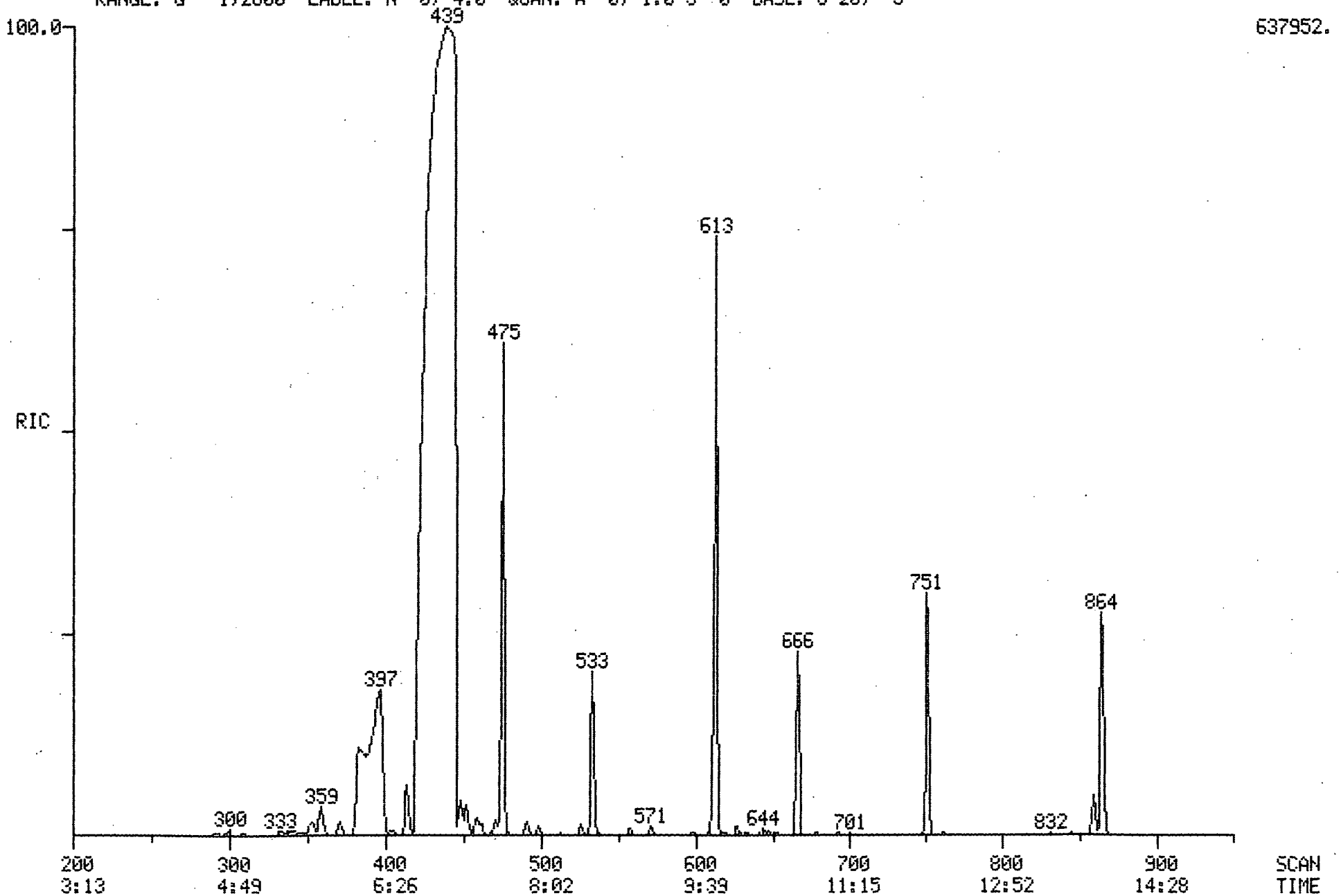
No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount	%Tot
101	NOT FOUND								
102	NOT FOUND								

No	Ret(L)	Ratio	RRT(L)	Ratio	Amnt	Amnt(L)	R.Fac	R.Fac(L)	Ratio
101	38:55		1.133						
102	13:37		0.960						

MIDRIC
06/16/91 2:50:00
SAMPLE: SODIUM SULFATE BLANK
CONDS.: MS-B CASE: EOH0022
RANGE: G 1,2800 LABEL: N 0, 4.0 QUAN: A 0, 1.0 J 0 BASE: U 20, 3

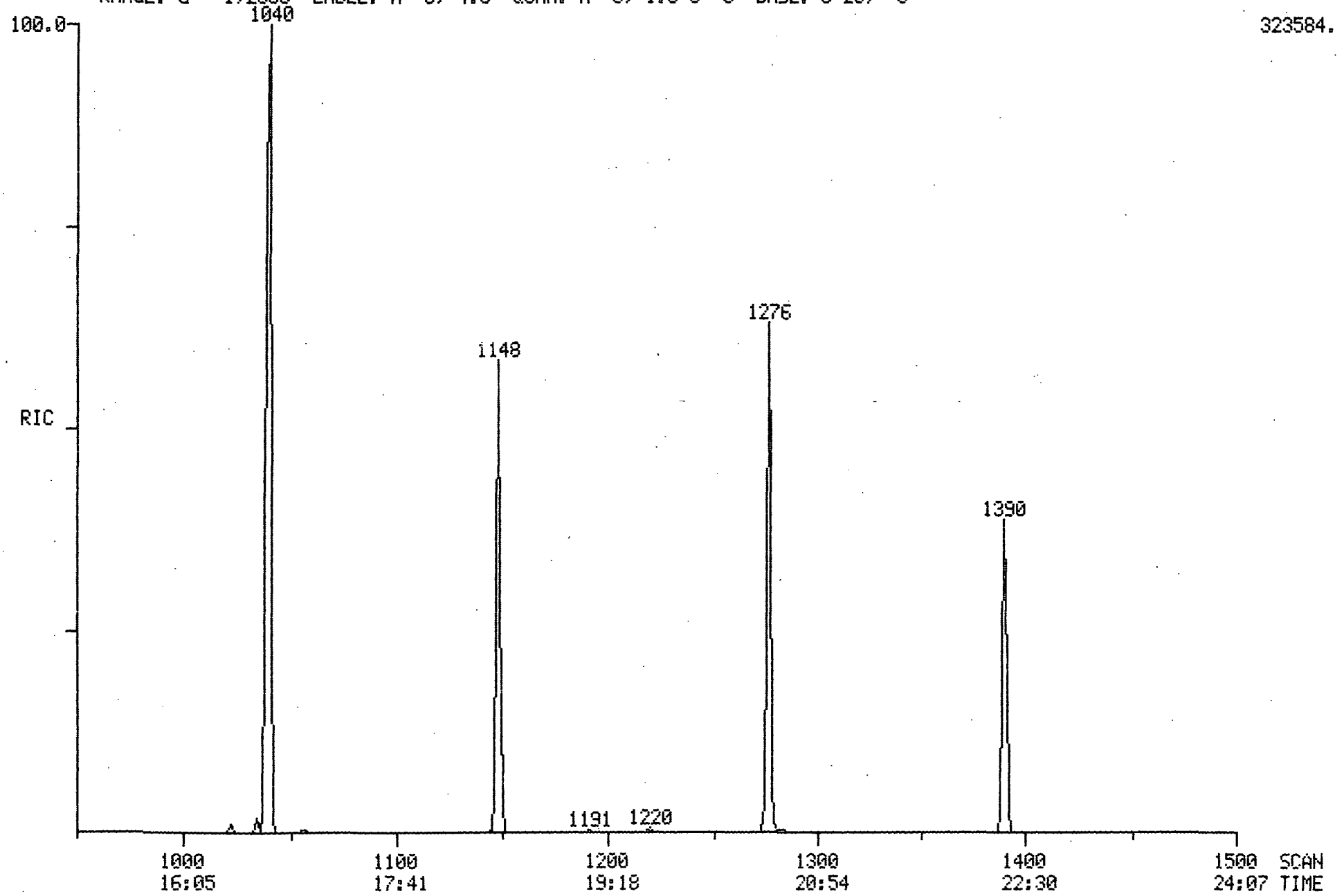
DATA: AD36NABLK #1 SCANS 200 TO 950
CALI: AD36NABLK #2

T.J. Masoran
6·17·91



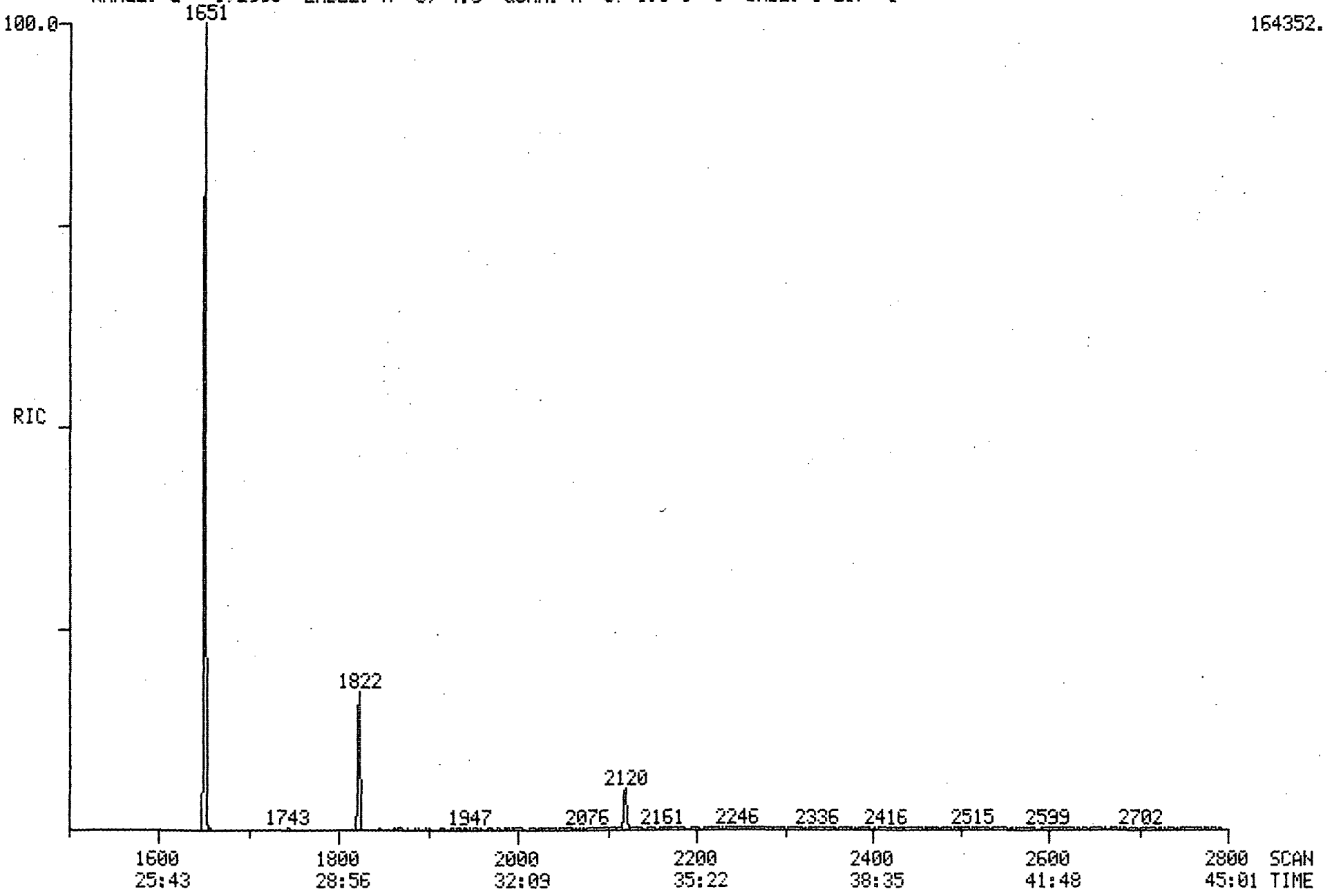
MIDRIC
06/16/91 2:50:00
SAMPLE: SODIUM SULFATE BLANK
CONDS.: MS-B CASE: EOH0022
RANGE: G 1,2800 LABEL: N 0, 4.0 QUAN: A 0, 1.0 J 0 BASE: U 20, 3

DATA: AD36NABLK #1 SCANS 950 TO 1500
CALI: AD36NABLK #2



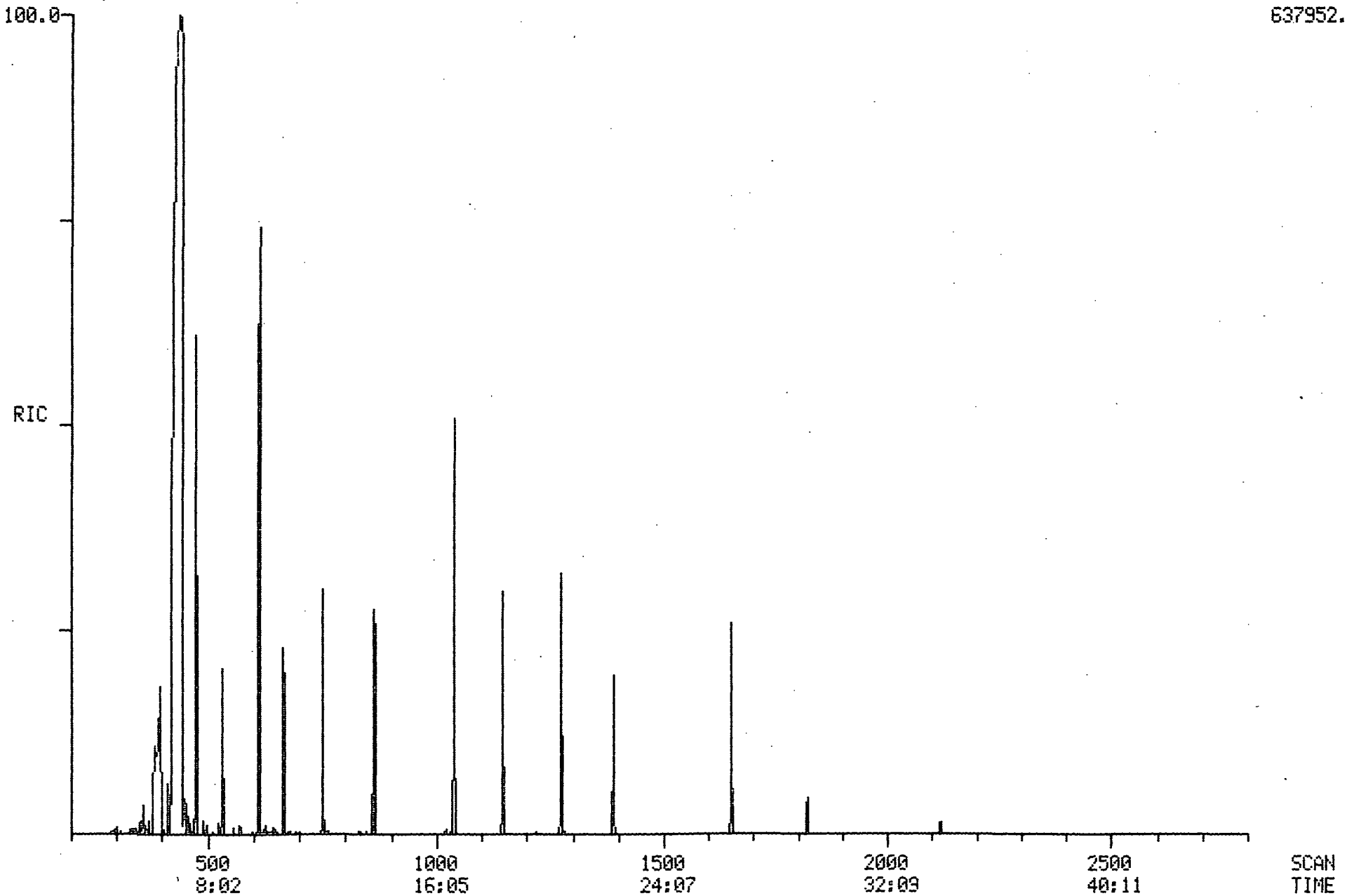
MIDRIC
06/16/91 2:50:00
SAMPLE: SODIUM SULFATE BLANK
CONDS.: MS-B CASE: EOH0022
RANGE: G 1,2800 LABEL: N 0, 4.0 QUAN: A 0, 1.0 J 0 BASE: U 20, 3

DATA: AD36NABLK #1 SCANS 1500 TO 2800
CALI: AD36NABLK #2



MIDRIC
06/16/91 2:50:00
SAMPLE: SODIUM SULFATE BLANK
CONDS.: MS-B CASE: EOH0022
RANGE: G 1,2800 LABEL: N 0, 4.0 QUAN: A 0, 1.0 J 0 BASE: U 20, 3

DATA: AD36NABLK #1 SCANS 200 TO 2800
CALI: AD36NABLK #2



PROCEDURE: TCA DIAGNOSTIC REPORT 6/17/91 3:37:16
DATA FILE: AD36NABLK
REFERENCE: 82711
NAME LIST: 8270 INITIALIZATION OPTION: 4 PROCESSING OPTION: 3
REPORT: DSISTD

< ---- STANDARDS ----- ><				--- PLUS UNKNOWNS --- ><				- LIST NAMES - >
PROC	USED	POSS	RMS	PROC	USED	POSS	RMS	STANDARD/UNKNOWN
6	5	1	51	12	12	1	142	DSISTD/DSSURR
6	6	1	47	21	6	1	47	DSISTD/82701
6	6	1	47	21	6	1	47	DSISTD/82702
6	6	1	47	21	6	1	47	DSISTD/82703
6	6	1	47	21	6	1	47	DSISTD/82704
6	6	1	47	21	6	1	47	DSISTD/82705
6	6	1	47	21	7	1	50	DSISTD/82706

102 COMPOUNDS PROCESSED, 12 FOUND

< COMPOUND ><				---------- SEARCH ---------- >< SAT >< ------ CHRO ------- >									
NO	LIB	ENTRY	REF	PRED	SEL	DELTA	PEAKS	FIT	PEAKS	M/Z	TOP	DELTA	PEAKS
1	DS	1	-683	665	666	1	1	976	.	152	666	.	1
2	DS	2	-882	865	864	-1	1	901	.	136	864	.	1
3	DS	3	-1165	1148	1148	.	1	949	.	164	1148	.	1
4	DS	4	-1407	1390	1390	.	1	983	.	188	1390	.	1
5	DS	5	-1839	1823	.	.	.	.	.	240	1821	.	1
6	DS	6	-2136	2120	2120	.	1	905	.	264	2120	.	1
7	DS	7	-488	471	475	4	1	991	-1	112	475	.	1
8	DS	8	-630	613	613	.	1	956	-1	99	613	.	1
9	DS	9	-769	752	751	-1	1	980	.	82	751	.	1
10	DS	10	-1057	1040	1040	.	1	971	.	172	1040	.	1
11	DS	11	-1294	1277	1276	-1	1	971	.	330	1276	.	1
12	DS	12	-1668	1651	1651	.	1	987	.	244	1651	.	1
13	DS	13	-263	245	.	.	.	.	.	42	.	.	.
14	DS	14	-393	375	.	.	.	.	.	93	.	.	.
15	DS	15	-462	444	.	.	.	.	.	80	.	.	.
16	DS	16	-569	551	.	.	.	.	.	79	.	.	.
17	DS	17	-632	614	.	.	.	.	.	94	614	.	1
18	DS	18	-634	616	.	.	.	.	.	93	.	.	.
19	DS	19	-646	628	.	.	.	.	.	93	.	.	.
20	DS	20	-651	633	.	.	.	.	.	128	634	.	1
21	DS	21	-674	656	.	.	.	.	.	146	.	.	.
22	DS	22	-686	668	.	.	.	.	.	146	.	.	.
23	DS	23	-706	688	.	.	.	.	.	108	.	.	.
24	DS	24	-708	690	.	.	.	.	.	146	.	.	.
25	DS	25	-723	705	.	.	.	.	.	108	.	.	.
26	DS	26	-727	709	.	.	.	.	.	45	.	.	.
27	DS	27	-723	705	.	.	.	.	.	108	.	.	.
28	DS	28	-749	731	.	.	.	.	.	70	.	.	.
29	DS	29	-761	744	.	.	.	.	.	117	.	.	.
30	DS	30	-747	729	.	.	.	.	.	105	.	.	.
31	DS	31	-773	756	.	.	.	.	.	77	.	.	.
32	DS	32	-797	780	.	.	.	.	.	42	.	.	.
33	DS	33	-811	794	.	.	.	.	.	82	.	.	.
34	DS	34	-822	805	.	.	.	.	.	139	.	.	.
35	DS	35	-830	813	.	.	.	.	.	122	.	.	.
36	DS	36	-846	829	.	.	.	.	.	93	.	.	.
37	DS	39	-860	843	.	.	.	.	.	162	.	.	.
38	DS	40	-873	856	.	.	.	.	.	180	.	.	.
39	DS	41	-885	868	.	.	.	.	.	128	.	.	.
40	DS	42	-895	878	.	.	.	.	.	127	.	.	.
41	DS	43	-896	879	.	.	.	.	.	162	.	.	.
42	DS	44	-906	889	.	.	.	.	.	225	.	.	.
43	DS	45	-951	934						84			

44	DS	46	-973	956	.	.	.	.	.	107	.	.	.
45	DS	47	-997	980	.	.	.	.	.	142	.	.	.
46	DS	48	-1024	1007	.	.	.	.	.	216	.	.	.
47	DS	49	-1022	1005	.	.	.	.	.	237	.	.	.
48	DS	50	-1042	1025	.	.	.	.	.	196	.	.	.
49	DS	51	-1048	1031	.	.	.	.	.	196	.	.	.
50	DS	52	-1076	1059	.	.	.	.	.	162	.	.	.
51	DS	53	-1076	1059	.	.	.	.	.	162	.	.	.
52	DS	54	-1093	1076	.	.	.	.	.	65	.	.	.
53	DS	55	-1124	1107	.	.	.	.	.	163	.	.	.
54	DS	56	-1133	1116	.	.	.	.	.	165	.	.	.
55	DS	57	-1142	1125	.	.	.	.	.	152	.	.	.
56	DS	58	-1160	1143	.	.	.	.	.	138	.	.	.
57	DS	59	-1171	1154	.	.	.	.	.	154	.	.	.
58	DS	60	-1177	1160	.	.	.	.	.	184	.	.	.
59	DS	61	-1187	1170	.	.	.	.	.	139	.	.	.
60	DS	62	-1199	1182	.	.	.	.	.	168	.	.	.
61	DS	63	-1199	1182	.	.	.	.	.	165	.	.	.
62	DS	64	-1192	1175	.	.	.	.	.	250	.	.	.
63	DS	65	-1212	1195	.	.	.	.	.	143	.	.	.
64	DS	66	-1219	1202	.	.	.	.	.	232	.	.	.
65	DS	67	-1225	1208	.	.	.	.	.	143	.	.	.
66	DS	68	-1239	1222	.	.	.	.	.	149	1220	.	1
67	DS	69	-1256	1239	.	.	.	.	.	204	.	.	.
68	DS	70	-1255	1238	.	.	.	.	.	166	.	.	.
69	DS	71	-1259	1242	.	.	.	.	.	138	.	.	.
70	DS	72	-1264	1247	.	.	.	.	.	198	.	.	.
71	DS	73	-1276	1259	.	.	.	.	.	169	.	.	.
72	DS	74	-1282	1265	.	.	.	.	.	77	.	.	.
73	DS	75	-1335	1318	.	.	.	.	.	248	.	.	.
74	DS	76	-1327	1310	.	.	.	.	.	108	.	.	.
75	DS	78	-1344	1327	.	.	.	.	.	284	.	.	.
76	DS	79	-1378	1361	.	.	.	.	.	169	.	.	.
77	DS	81	-1376	1359	.	.	.	.	.	266	.	.	.
78	DS	83	-1388	1371	.	.	.	.	.	173	.	.	.
79	DS	84	-1379	1362	.	.	.	.	.	295	.	.	.
80	DS	85	-1412	1395	.	.	.	.	.	178	.	.	.
81	DS	86	-1420	1403	.	.	.	.	.	178	.	.	.
82	DS	89	-1504	1487	.	.	.	.	.	149	1487	.	1
83	DS	92	-1605	1588	.	.	.	.	.	202	.	.	.
84	DS	93	-1642	1625	.	.	.	.	.	202	.	.	.
85	DS	96	-1627	1610	.	.	.	.	.	184	.	.	.
86	DS	98	-1691	1675	.	.	.	.	.	120	.	.	.
87	DS	103	-1748	1732	.	.	.	.	.	149	.	.	.
88	DS	108	-1833	1817	.	.	.	.	.	252	.	.	.
89	DS	109	-1837	1821	.	.	.	.	.	228	.	.	.
90	DS	110	-1843	1827	.	.	.	.	.	228	.	.	.
91	DS	111	-1840	1824	1823	-1	1	934	.	149	1823	.	1
92	DS	112	-1955	1939	.	.	.	.	.	149	.	.	.
93	DS	113	-2041	2025	.	.	.	.	.	256	.	.	.
94	DS	114	-2042	2026	.	.	.	.	.	252	.	.	.
95	DS	115	-2049	2033	.	.	.	.	.	252	.	.	.
96	DS	116	-2122	2106	.	.	.	.	.	252	.	.	.
97	DS	117	-2221	2205	.	.	.	.	.	268	.	.	.
98	DS	118	-2499	2483	.	.	.	.	.	276	.	.	.
99	DS	119	-2500	2484	.	.	.	.	.	278	.	.	.
100	DS	120	-2598	2582	.	.	.	.	.	276	.	.	.
101	DS	128	-2421	2405	.	.	.	.	.	279	.	.	.
102	DS	37	-847	830	.	.	.	.	.	122	832	.	1

Quantitation Report File: AD36NABLK

Data: AD36NABLK.TI
06/16/91 2:50:00
Sample: SODIUM SULFATE BLANK
Conds.: MS-B CASE: EDH0022
Submitted by: Analyst: JOHNSON

AMOUNT=AREA * REF AMNT/(REF AREA * RESP FACT)
Resp. fac. from Library Entry

No	Name
1	ISTD D4-1,4-DICHLOROBENZENE
2	ISTD D-8-NAPHTHALENE
3	ISTD ACENAPHTHENE-D10
4	INTERNAL STANDARD D-10-PHENANTHRENE
5	INTERNAL STANDARD D-12-CHRYSENE
6	ISTD D-12 PERYLENE
7	SURROGATE 2-FLUOROPHENOL
8	SURROGATE D-6-PHENOL
9	SURROGATE D5-NITROBENZENE
10	SURROGATE 2-FLUOROBIPHENYL
11	SURROGATE STANDARD 2,4,6-TRIBROMOPHENOL
12	SURROGATE STANDARD P-TERPHENYL D-14
13	N-NITROSODIMETHYLAMINE
14	2-PICOLINE
15	METHYL METHANESULFONATE
16	ETHYL METHANESULFONATE
17	C315 PHENOL
18	ANILINE
19	BIS(2-CHLOROETHYL)ETHER
20	2-CHLOROPHENOL
21	1,3-DICHLOROBENZENE
22	1,4-DICHLOROBENZENE
23	BENZYL ALCOHOL
24	1,2-DICHLOROBENZENE
25	2-METHYLPHENOL
26	BIS(2-CHLOROISOPROPYL)ETHER
27	4-METHYLPHENOL
28	N-NITROSO-DI-N-PROPYLAMINE
29	HEXACHLOROETHANE
30	ACETOPHENONE
31	NITROBENZENE
32	N-NITROSOPIPERIDINE
33	ISOPHORONE
34	2-NITROPHENOL
35	2,4-DIMETHYLPHENOL
36	BIS(2-CHLOROETHOXY)METHANE
37	2,4-DICHLOROPHENOL
38	1,2,4-TRICHLOROBENZENE
39	NAPHTHALENE
40	4-CHLOROANILINE
41	2,6-DICHLOROPHENOL
42	HEXACHLOROBUTADIENE
43	N-NITROSO-DI-N-BUTYLAMINE
44	4-CHLORO-3-METHYLPHENOL
45	2-METHYL NAPHTHALENE
46	1,2,4,5-TETRACHLOROBENZENE
47	HEXACHLOROCYCLOPENTADIENE
48	2,4,6-TRICHLOROPHENOL
49	2,4,5-TRICHLOROPHENOL
50	2-CHLORONAPHTHALENE

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount	%Tot
1	152	666	10:42	1	1.000	A BB	40258.	40.000 UG	1.01
2	136	864	13:53	2	1.000	A BB	159017.	40.000 UG	1.01
3	164	1148	18:27	3	1.000	A BB	79273.	40.000 UG	1.01
4	188	1390	22:21	4	1.000	A BB	89914.	40.000 UG	1.01
5	240	1821	29:17	5	1.000	A BB	23796.	40.000 UG	1.01
6	264	2120	34:05	6	1.000	A BB	13825.	40.000 UG	1.01
7	112	475	7:38	1	0.713	A BB	236357.	144.973 UG	3.67
8	99	613	9:51	1	0.920	A BB	335485.	135.577 UG	3.43
9	82	751	12:04	2	0.869	A BB	156298.	68.199 UG	1.73
10	172	1040	16:43	3	0.906	A BB	200385.	81.731 UG	2.07
11	330	1276	20:31	3	1.111	A BB	35200.	143.093 UG	3.62
12	244	1651	26:33	5	0.907	A BB	114843.	94.679 UG	2.40
13	NOT FOUND								
14	NOT FOUND								
15	NOT FOUND								
16	NOT FOUND								
17	94	614	9:52	1	0.922	A BB	414.	0.157 UG	0.00
18	NOT FOUND								
19	NOT FOUND								
20	128	634	10:12	1	0.952	A BB	288.	0.165 UG	0.00
21	NOT FOUND								
22	NOT FOUND								
23	NOT FOUND								
24	NOT FOUND								
25	NOT FOUND								
26	NOT FOUND								
27	NOT FOUND								
28	NOT FOUND								
29	NOT FOUND								
30	NOT FOUND								
31	NOT FOUND								
32	NOT FOUND								
33	NOT FOUND								
34	NOT FOUND								
35	NOT FOUND								
36	NOT FOUND								
37	NOT FOUND								
38	NOT FOUND								
39	NOT FOUND								
40	NOT FOUND								
41	NOT FOUND								
42	NOT FOUND								
43	NOT FOUND								
44	NOT FOUND								
45	NOT FOUND								
46	NOT FOUND								
47	NOT FOUND								
48	NOT FOUND								
49	NOT FOUND								
50	NOT FOUND								

No	Ret(L)	Ratio	RRT(L)	Ratio	Amnt	Amnt(L)	R.Fac	R.Fac(L)	Ratio
1	10:59	0.98	1.000	1.00	40.00	40.00	1.000	1.000	1.00
2	14:11	0.98	1.000	1.00	40.00	40.00	1.000	1.000	1.00
3	18:44	0.99	1.000	1.00	40.00	40.00	1.000	1.000	1.00
4	22:37	0.99	1.000	1.00	40.00	40.00	1.000	1.000	1.00
5	29:34	0.99	1.000	1.00	40.00	40.00	1.000	1.000	1.00
6	34:20	0.99	1.000	1.00	40.00	40.00	1.000	1.000	1.00
7	7:51	0.97	0.714	1.00	144.97	50.00	4.697	1.620	2.90
8	10:08	0.97	0.922	1.00	135.58	50.00	6.667	2.459	2.71
9	12:22	0.98	0.872	1.00	68.20	50.00	0.786	0.576	1.36
10	17:00	0.98	0.907	1.00	81.73	50.00	2.022	1.237	1.63
11	20:48	0.99	1.111	1.00	143.09	50.00	0.355	0.124	2.86
12	26:49	0.99	0.907	1.00	94.68	50.00	3.861	2.039	1.89
13	4:14		0.385						

14	6:19		0.575						
15	7:26		0.676						
16	9:09		0.833						
17	10:10	0.97	0.925	1.00	0.16	50.00	0.008	2.623	0.00
18	10:12		0.928						
19	10:23		0.946						
20	10:28	0.97	0.953	1.00	0.17	50.00	0.006	1.732	0.00
21	10:50		0.987						
22	11:02		1.004						
23	11:21		1.034						
24	11:23		1.037						
25	11:37		1.059						
26	11:41		1.064						
27	11:37		1.059						
28	12:02		1.097						
29	12:14		1.114						
30	12:01		0.847						
31	12:26		0.876						
32	12:49		0.904						
33	13:02		0.920						
34	13:13		0.932						
35	13:21		0.941						
36	13:36		0.959						
37	13:50		0.975						
38	14:02		0.990						
39	14:14		1.003						
40	14:23		1.015						
41	14:24		1.016						
42	14:34		1.027						
43	15:17		1.078						
44	15:39		1.103						
45	16:02		1.130						
46	16:28		0.879						
47	16:26		0.877						
48	16:45		0.894						
49	16:51		0.900						
50	17:18		0.924						

Quantitation Report File: AD36NABLK

Data: AD36NABLK.TI
06/16/91 2:50:00
Sample: SODIUM SULFATE BLANK
Conds.: MS-B CASE: EOH0022
Submitted by: Analyst: JOHNSON

AMOUNT=AREA * REF AMNT/(REF AREA * RESP FACT)
Resp. fac. from Library Entry

No	Name
51	1-CHLORONAPHTHALENE
52	2-NITROANILINE
53	DIMETHYL PHTHALATE
54	2,6-DINITROTOLUENE
55	ACENAPHTHYLENE
56	3-NITROANILINE
57	ACENAPHTHENE
58	2,4-DINITROPHENOL
59	4-NITROPHENOL
60	DIBENZOFURAN
61	2,4-DINITROTOLUENE
62	PENTACHLOROBENZENE
63	1-NAPHTHYLAMINE
64	2,3,4,6-TETRACHLOROPHENOL
65	2-NAPHTHYLAMINE
66	DIETHYL PHTHALATE
67	4-CHLOROPHENYL PHENYL ETHER
68	FLUORENE
69	4-NITROANILINE
70	4,6-DINITRO-2-METHYLPHENOL
71	N-NITROSODIPHENYLAMINE
72	1,2-DIPHENYLHYDRAZINE
73	4-BROMOPHENYL PHENYL ETHER
74	PHENACETIN
75	HEXACHLOROBENZENE
76	4-AMINOBIPHENYL
77	PENTACHLOROPHENOL
78	PRONAMIDE (PROPYZAMIDE)
79	PENTACHLORONITROBENZENE
80	PHENANTHRENE
81	ANTHRACENE
82	DI-N-BUTYL PHTHALATE
83	FLUORANTHENE
84	PYRENE
85	BENZIDINE
86	P-DIMETHYLAMINOAZOBENZENE
87	BUTYL BENZYL PHTHALATE
88	3,3'-DICHLOROBENZIDINE
89	BENZO(A)ANTHRACENE
90	CHRYSENE
91	BIS(2-ETHYLHEXYL)PHTHALATE
92	DI-N-OCTYL PHTHALATE
93	7,12-DIMETHYLBENZ(A)ANTHRACENE
94	BENZO(B)FLUORANTHENE
95	BENZO(K)FLUORANTHENE
96	BENZO(A)PYRENE
97	3-METHYLCHOLANTHRENE
98	INDENO (1,2,3-CD)PYRENE
99	DIBENZ(A,H)ANTHRACENE
100	BENZO (G,H,I)PERYLENE

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount	%Tot
51	NOT FOUND								
52	NOT FOUND								
53	NOT FOUND								
54	NOT FOUND								
55	NOT FOUND								
56	NOT FOUND								
57	NOT FOUND								
58	NOT FOUND								
59	NOT FOUND								
60	NOT FOUND								
61	NOT FOUND								
62	NOT FOUND								
63	NOT FOUND								
64	NOT FOUND								
65	NOT FOUND								
66	149	1220	19:37	3	1.063	A BB	1529.	0.534 UG	0.01
67	NOT FOUND								
68	NOT FOUND								
69	NOT FOUND								
70	NOT FOUND								
71	NOT FOUND								
72	NOT FOUND								
73	NOT FOUND								
74	NOT FOUND								
75	NOT FOUND								
76	NOT FOUND								
77	NOT FOUND								
78	NOT FOUND								
79	NOT FOUND								
80	NOT FOUND								
81	NOT FOUND								
82	149	1487	23:54	4	1.070	A BB	174.	0.049 UG	0.00
83	NOT FOUND								
84	NOT FOUND								
85	NOT FOUND								
86	NOT FOUND								
87	NOT FOUND								
88	NOT FOUND								
89	NOT FOUND								
90	NOT FOUND								
91	149	1823	29:18	5	1.001	A BB	4294.	7.176 UG	0.18
92	NOT FOUND								
93	NOT FOUND								
94	NOT FOUND								
95	NOT FOUND								
96	NOT FOUND								
97	NOT FOUND								
98	NOT FOUND								
99	NOT FOUND								
100	NOT FOUND								

No	Ret(L)	Ratio	RRT(L)	Ratio	Amnt	Amnt(L)	R.Fac	R.Fac(L)	Ratio
51	17:18		0.924						
52	17:34		0.938						
53	18:04		0.965						
54	18:13		0.973						
55	18:22		0.980						
56	18:39		0.996						
57	18:50		1.005						
58	18:55		1.010						
59	19:05		1.019						
60	19:17		1.029						
61	19:17		1.029						
62	19:10		1.023						
63	19:29		1.040						

64	19:36		1.046						
65	19:42		1.052						
66	19:55	0.98	1.064	1.00	0.53	50.00	0.015	1.446	0.01
67	20:12		1.078						
68	20:11		1.077						
69	20:14		1.081						
70	20:19		0.898						
71	20:31		0.907						
72	20:37		0.911						
73	21:28		0.949						
74	21:20		0.943						
75	21:36		0.955						
76	22:09		0.979						
77	22:07		0.978						
78	22:19		0.986						
79	22:10		0.980						
80	22:42		1.004						
81	22:50		1.009						
82	24:11	0.99	1.069	1.00	0.05	50.00	0.002	1.568	0.00
83	25:48		1.141						
84	26:24		0.893						
85	26:09		0.885						
86	27:11		0.920						
87	28:06		0.951						
88	29:28		0.997						
89	29:32		0.999						
90	29:38		1.002						
91	29:35	0.99	1.001	1.00	7.18	50.00	0.144	1.006	0.14
92	31:26		0.915						
93	32:49		0.956						
94	32:50		0.956						
95	32:56		0.959						
96	34:07		0.993						
97	35:42		1.040						
98	40:11		1.170						
99	40:11		1.170						
100	41:46		1.216						

Quantitation Report File: AD36NABLK

Data: AD36NABLK.TI
06/16/91 2:50:00
Sample: SODIUM SULFATE BLANK
Conds.: MS-B CASE: EOH0022
Submitted by: Analyst: JOHNSON

AMOUNT=AREA * REF AMNT/(REF AREA * RESP FACT)
Resp. fac. from Library Entry

No	Name
101	DIBENZ(A,J)ACRIDINE
102	BENZOIC ACID

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount	%Tot
101	NOT FOUND								
102	122	832	13:23	2	0.963	A BB	132.	10.050 UG	0.25

No	Ret(L)	Ratio	RRT(L)	Ratio	Amnt	Amnt(L)	R.Fac	R.Fac(L)	Ratio
101	38:55		1.133						
102	13:37	0.98	0.960	1.00	10.05	50.00	0.001	0.003	0.20

Project No. 91-E-1582 BB

TITLE 8270 CLP PROTOCOL

Book No.

From Page No. ECOLOGY + ENVIRONMENT

Received 10 soils samples for BNA (8270) extraction by CLP Protocol.

Lab Sample #	Client #	WT SOIL	WT Na_2SO_4	SUPP #	MS #	pH
91-13585	S-1	30.06	60.46	20uL		5
13586	S-2	30.07	60.42	20uL		5
13587	S-3	30.08	60.14	20uL		6
13588	S-4	30.04	60.20	20uL		5
13589	S-5	30.06	60.18	20uL		5
13590	S-6	30.09	60.95			5
13591	S-7	30.09	60.90			5
13592	S-8	30.07	60.30			5
13593	S-9	30.02	60.22			5
13594	S-10	30.01	60.32			5
MS	MS					
MSD	MSD					
Method Check	–					
Blank	–					

% Moisture Determination

WT. BEAKER	WET SOIL + BEAKER	DRY SOIL + BEAKER	% Moisture
28.93	33.93	33.45	9.6
28.59	33.66	33.19	9.3
28.90	33.94	33.24	TBM 6/12/91 ~~13.14~~ 13
29.11	34.16	32.93	24.4
28.60	33.64	33.07	11.3
29.37	34.38	33.98	8.0
28.46	33.55	32.85	13.8
28.97	33.98	33.08	18.0
29.46	34.47	33.31	23.2
28.98	34.00	33.57	8.6

Placed in oven overnight @ 105°C

% moistures were weighed out on 6/12/91

* pH and % Moisture are ~~correcte~~ correct! TBM 6/12/91

* BNA SOILS MUST BE RE-EXTRACTED DUE TO INCORRECT SAMPLE SAMPLE SPIKE.

See page 13

To Page No.

Witnessed & Understood by me,	Date	Invented by –	Date
		Recorded by [signature]	6/11/91

Project No. 91-E-1582 BB

TITLE 8270 CLP PROTOCOL

Book No.

From Page No. ECOLOGY + ENVIRONMENT

LAB SAMPLE #	CLIENT #	WT. SOIL	WT Na_2SO_4	SV-153 SURR.	ACID MS	BN MS
91-13585	S-1	30.09	60.40	1mL		
13586	S-2	30.05	60.27	1mL		
13587	S-3	30.07	60.20	1mL		
13588	S-4	30.01	60.24	1mL		
13589	S-5	30.08	60.48	1mL		
13590	S-6	30.07	60.04	1mL		
13591	S-7	30.03	60.65	1mL		
13592	S-8	30.00	60.48	1mL		
13593	S-9	30.07	60.22	1mL		
13594	S-10	30.01	60.32	1mL		
13594 MS	~~30.06 MS~~ S-10	30.06	60.15	1mL	1mL	1mL
13594 MSD	S-10 MSD	30.07	60.65	1mL	1mL	1mL
Method Check		—	60.01	1mL	1mL	1mL
Blank	~~EPA 8 Blank~~ SOIL	30.08	60.92	1mL		
Na_2SO_4 BLK	Blank	—	60.75	1mL		

SV-153 Surr. 1mL to all samp

SW 8270 ACID M.S. 1mL To M.S. M.SD Method Check

SW1632 BN M.S. 1mL to M.S, M.SD, Method Che

6/14 Weighed out ~30g of soil / Added ~60g Na_2SO_4. Added 100mL 1:1 Acetone / CH_2Cl_2. Spiked samples. Used sonic probes for 2 minute intervals. Drained off solvent. Repeated extraction 2x's w 1:1 Acetone / CH_2Cl_2 and sonic probe. Conc. samples to 1.0mL final volume.

To Page No.

Witnessed & Understood by me,	Date	Invented by	Date
		Recorded by [signature]	6/14/91

ENVIRONMENTAL PROTECTION AGENCY
Office of Enforcement

REGION 5
230 South Dearborn Street
Chicago, Illinois 60604

CHAIN OF CUSTODY RECORD

PROJ. NO.	PROJECT NAME
2T1051	EOH0022

SAMPLERS: (Signature) Sammy Sirhan

COOLER #1

STA. NO.	DATE	TIME	COMP.	GRAB	STATION LOCATION	NO. OF CONTAINERS	8 oz Jars						REMARKS TRJ #	REMARKS [illegible] #
Soil 1	6/6/91	11:00		X	S1	3	3						5-010301-03	170523-25
Soil 2	6/6/91	11:15		X	S2	3	3						5-010304-06	170525-28
Soil 3	6/6/91	11:20		X	S3	3	3						-090307-01	170021-31
Soil 4	6/6/91	11:45		X	S4	3	3						-010310-12	170032-34
Soil 5	6/6/91	11:55		X	S5	3	3						-90313-15	170535-37
													8 oz Jars [illegible] Lot #	
							Shipment						DO NOT Complete	

Relinquished by: (Signature)	Date / Time	Received by: (Signature)	Relinquished by: (Signature)	Date / Time	Received by: (Signature)
Sammy Sirhan	6.7.91 12:00	Jami S Miller			
Relinquished by: (Signature)	Date / Time	Received by: (Signature)	Relinquished by: (Signature)	Date / Time	Received by: (Signature)
Relinquished by: (Signature)	Date / Time	Received for Laboratory by: (Signature)	Date / Time	Remarks	
					~~[illegible]~~ TO Shipped [illegible] by Sirhan [illegible] # 170593-54

Distribution: White — Accompanies Shipment; Pink — Coordinator Field Files; Yellow — Laboratory File

ENVIRONMENTAL PROTECTION AGENCY
Office of Enforcement

CHAIN OF CUSTODY RECORD

230 South Dearborn Street
Chicago, Illinois 60604

PROJ. NO.	PROJECT NAME
ZT1851	EDHD022

SAMPLERS: *(Signature)*

Cooler #2

STA. NO.	DATE	TIME	COMP.	GRAB	STATION LOCATION	NO. OF CONTAINERS							REMARKS
													Tag #s Seal [illegible]
[illegible]	6/6/91	13:30		X	S6		3						[illegible]
[illegible]	6/6/91	14:00		X	S7		3						[illegible]
[illegible]	6/6/91	15:30		X	S8		3						[illegible]
[illegible]	6/6/91	16:00		X	S9		3						[illegible]
[illegible]	6/6/91	16:55		X	S10		3						[illegible]
					Chain of custody label S-9 +								
					S-10 were wrong for Extractables								
					Numbers do not match up Tami S. Miller								Shipment ID Complete
					Chain of custody Label for								
					S-10 is incorrect. Numbers do								
					not match up.								
					Tami S. Miller								

Relinquished by: *(Signature)*	Date / Time	Received by: *(Signature)*	Relinquished by: *(Signature)*	Date / Time	Received by: *(Signature)*
Sammy Sachs	6.7.91 12:00	Tami S. Miller			
Relinquished by: *(Signature)*	Date / Time	Received by: *(Signature)*	Relinquished by: *(Signature)*	Date / Time	Received by: *(Signature)*
Relinquished by: *(Signature)*	Date / Time	Received for Laboratory by: *(Signature)*	Date / Time	Remarks	
				[illegible]	

Distribution: White — Accompanies Shipment; Pink — Coordinator Field Files; Yellow — Laboratory File