02764

US EPA RECORDS CENTER REGION 5
514054

BLANK RAW DATA

ORGANICS ANALYSIS DATA SHEET
(Page 1)

Sample Number : MB-1

Laboratory Name: Rocky Mountain Analytical Lab
Laboratory Sample ID. Number : MB-1
Sample Matrix : Water
Data Released Authorized By : JCL

Case Number : N/A
Q.C. Report No: 59436
Contract No. : N/A
Date Sample Rec: 04/20/88

Volatile Compounds

Concentration :	Low
Date Extracted/Prepared :	N/A
Date Analyzed :	04/27/88
Conc./Dilution Factor :	1.0
pH :	6.00
Percent Moisture :	100%
Percent Moisture (Decanted) :	N/A

CAS Number		Value	ug/L	CAS Number		Value	ug/L
74-83-3	Chloromethane		10 U	79-34-5	1,1,2,2-Tetrachloroethane		5 U
74-83-9	Bromomethane		10 U	78-87-5	1,2-Dichloropropane		5 U
75-01-4	VinylChloride		10 U	10061-02-6	Trans-1,3-Dichloropropene		5 U
75-00-3	Chloroethane		10 U	79-10-6	Trichloroethene		5 U
75-09-2	MethyleneChloride	8.1		124-48-1	Dibromochloromethane		5 U
67-64-1	Acetone	6.7	J	79-00-5	1,1,2-Trichloroethane		5 U
75-15-0	CarbonDisulfide		5 U	71-43-2	Benzene		5 U
75-35-4	1,1-Dichloroethene		5 U	10061-01-5	cis-1,3-Dichloropropene		5 U
75-34-3	1,1-Dichloroethane		5 U	110-75-8	2-Chloroethylvinylether		10 U
156-60-5	Trans-1,2-Dichloroethene		5 U	75-25-2	Bromoform		5 U
67-66-3	Chloroform		5 U	591-78-6	2-Hexanone	3.9	J
107-06-2	1,2-Dichloroethane		5 U	108-10-1	4-Methyl-2-Pentanone		10 U
78-93-3	2-Butanone		10 U	127-18-4	Tetrachloroethene		5 U
71-55-6	1,1,1-Trichloroethane		5 U	108-88-3	Toluene		5 U
56-23-5	CarbonTetrachloride		5 U	108-90-7	Chlorobenzene		5 U
108-05-4	VinylAcetate		10 U	100-41-4	Ethylbenzene		5 U
75-27-4	Bromodichloromethane		5 U	100-42-5	Styrene		5 U
					Total Xylenes		5 U

U - compound was not detected
J - concentration detected is less than the required detection limit
B - compound was detected in the blank
sp - compound was a spike

10/85 Rev

Laboratory Name: Rocky Mountain Analytical
Case Number: N/A
Q.C. Number: 59436

Sample Number
MB-1

ORGANIC ANALYSIS DATA SHEET
(Page 4)

Tentatively Identified Compounds

CAS Number	Compound Name	Fraction	RT or Scan Number	Estimated Conc. ug/l
1.	No Volatiles Detected	VOA		
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ORGANICS ANALYSIS DATA SHEET
(Page 1)

Sample Number : MB-2

Laboratory Name: Rocky Mountain Analytical Lab
Laboratory Sample ID. Number : MB-2
Sample Matrix : Water
Data Released Authorized By : JCL

Case Number : N/A
Q.C. Report No: 59436
Contract No. : N/A
Date Sample Rec: 04/20/88

Volatile Compounds

Concentration :	Low
Date Extracted/Prepared :	N/A
Date Analyzed :	04/28/88
Conc./Dilution Factor :	1.0
pH :	6.00
Percent Moisture :	100%
Percent Moisture (Decanted) :	N/A

CAS Number		Value	ug/L	CAS Number		Value	ug/L
74-83-3	Chloromethane		10 U	79-34-5	1,1,2,2-Tetrachloroethane		5 U
74-83-9	Bromomethane		10 U	78-87-5	1,2-Dichloropropane		5 U
75-01-4	VinylChloride		10 U	10061-02-6	Trans-1,3-Dichloropropene		5 U
75-00-3	Chloroethane		10 U	79-10-6	Trichloroethene		5 U
75-09-2	MethyleneChloride	7.6		124-48-1	Dibromochloromethane		5 U
67-64-1	Acetone	6.2	J	79-00-5	1,1,2-Trichloroethane		5 U
75-15-0	CarbonDisulfide		5 U	71-43-2	Benzene		5 U
75-35-4	1,1-Dichloroethene		5 U	10061-01-5	cis-1,3-Dichloropropene		5 U
75-34-3	1,1-Dichloroethane		5 U	110-75-8	2-Chloroethylvinylether		10 U
156-60-5	Trans-1,2-Dichloroethene		5 U	75-25-2	Bromoform		5 U
67-66-3	Chloroform		5 U	591-78-6	2-Hexanone		10 U
107-06-2	1,2-Dichloroethane		5 U	108-10-1	4-Methyl-2-Pentanone		10 U
78-93-3	2-Butanone		10 U	127-18-4	Tetrachloroethene		5 U
71-55-6	1,1,1-Trichloroethane		5 U	108-88-3	Toluene		5 U
56-23-5	CarbonTetrachloride		5 U	108-90-7	Chlorobenzene		5 U
108-05-4	VinylAcetate		10 U	100-41-4	Ethylbenzene		5 U
75-27-4	Bromodichloromethane		5 U	100-42-5	Styrene		5 U
					Total Xylenes		5 U

U - compound was not detected
J - concentration detected is less than the required detection limit
B - compound was detected in the blank
sp - compound was a spike

10/85 Rev

Laboratory Name: Rocky Mountain Analytical
Case Number: N/A
Q.C. Number: 59436

Sample Number
MB-2

ORGANIC ANALYSIS DATA SHEET
(Page 4)

Tentatively Identified Compounds

CAS Number	Compound Name	Fraction	RT or Scan Number	Estimated Conc. ug/l
1.	Unknown	VOA	38	21
2.	Unknown	VOA	606	16
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ORGANICS ANALYSIS DATA SHEET
(Page 1)

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Sample Number : MB-3

Laboratory Name: Rocky Mountain Analytical Lab
Laboratory Sample ID. Number : MB-3
Sample Matrix : Water
Data Released Authorized By : JCL

Case Number : N/A
Q.C. Report No: 59436
Contract No. : N/A
Date Sample Rec: 04/20/88

Volatile Compounds

Concentration :	Low
Date Extracted/Prepared :	N/A
Date Analyzed :	04/28/88
Conc./Dilution Factor :	1.0
pH :	6.00
Percent Moisture :	100%
Percent Moisture (Decanted) :	N/A

CAS Number		Value	ug/L	CAS Number		Value	ug/L
74-83-3	Chloromethane		10 U	79-34-5	1,1,2,2-Tetrachloroethane		5 U
74-83-9	Bromomethane		10 U	78-87-5	1,2-Dichloropropane		5 U
75-01-4	VinylChloride		10 U	10061-02-6	Trans-1,3-Dichloropropene		5 U
75-00-3	Chloroethane		10 U	79-10-6	Trichloroethene		5 U
75-09-2	MethyleneChloride	7.2		124-48-1	Dibromochloromethane		5 U
67-64-1	Acetone	7.2	J	79-00-5	1,1,2-Trichloroethane		5 U
75-15-0	CarbonDisulfide		5 U	71-43-2	Benzene		5 U
75-35-4	1,1-Dichloroethene		5 U	10061-01-5	cis-1,3-Dichloropropene		5 U
75-34-3	1,1-Dichloroethane		5 U	110-75-8	2-Chloroethylvinylether		10 U
156-60-5	Trans-1,2-Dichloroethene		5 U	75-25-2	Bromoform		5 U
67-66-3	Chloroform		5 U	591-78-6	2-Hexanone		10 U
107-06-2	1,2-Dichloroethane		5 U	108-10-1	4-Methyl-2-Pentanone		10 U
78-93-3	2-Butanone		10 U	127-18-4	Tetrachloroethene		5 U
71-55-6	1,1,1-Trichloroethane		5 U	108-88-3	Toluene		5 U
56-23-5	CarbonTetrachloride		5 U	108-90-7	Chlorobenzene		5 U
108-05-4	VinylAcetate		10 U	100-41-4	Ethylbenzene		5 U
75-27-4	Bromodichloromethane		5 U	100-42-5	Styrene		5 U
					Total Xylenes		5 U

U - compound was not detected
J - concentration detected is less than the required detection limit
B - compound was detected in the blank
sp - compound was a spike

10/85 Rev

Form I

Laboratory Name: Rocky Mountain Analytical
Case Number: N/A
Q.C. Number: 59436

Sample Number
MB-3

ORGANIC ANALYSIS DATA SHEET
(Page 4)

Tentatively Identified Compounds

CAS Number	Compound Name	Fraction	RT or Scan Number	Estimated Conc. ug/l
1.	Unknown	VOA	42	52
2.	Unknown	VOA	606	12
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ORGANICS ANALYSIS DATA SHEET
(Page 1)

Sample Number : MB-4

Laboratory Name: Rocky Mountain Analytical Lab
Laboratory Sample ID. Number : MB-4
Sample Matrix : Water
Data Released Authorized By : JCL

Case Number : N/A
Q.C. Report No: 59436
Contract No. : N/A
Date Sample Rec: 04/20/88

Volatile Compounds

Concentration :	Low
Date Extracted/Prepared :	N/A
Date Analyzed :	04/29/88
Conc./Dilution Factor :	1.0
pH :	6.00
Percent Moisture :	100%
Percent Moisture (Decanted) :	N/A

CAS Number		Value	ug/L	CAS Number		Value	ug/L
74-83-3	Chloromethane		10 U	79-34-5	1,1,2,2-Tetrachloroethane		5 U
74-83-9	Bromomethane		10 U	78-87-5	1,2-Dichloropropane		5 U
75-01-4	VinylChloride		10 U	10061-02-6	Trans-1,3-Dichloropropene		5 U
75-00-3	Chloroethane		10 U	79-10-6	Trichloroethene		5 U
75-09-2	MethyleneChloride	7.1		124-48-1	Dibromochloromethane		5 U
67-64-1	Acetone	3.7	J	79-00-5	1,1,2-Trichloroethane		5 U
75-15-0	CarbonDisulfide		5 U	71-43-2	Benzene		5 U
75-35-4	1,1-Dichloroethene		5 U	10061-01-5	cis-1,3-Dichloropropene		5 U
75-34-3	1,1-Dichloroethane		5 U	110-75-8	2-Chloroethylvinylether		10 U
156-60-5	Trans-1,2-Dichloroethene		5 U	75-25-2	Bromoform		5 U
67-66-3	Chloroform		5 U	591-78-6	2-Hexanone		10 U
107-06-2	1,2-Dichloroethane		5 U	108-10-1	4-Methyl-2-Pentanone		10 U
78-93-3	2-Butanone		10 U	127-18-4	Tetrachloroethene		5 U
71-55-6	1,1,1-Trichloroethane		5 U	108-88-3	Toluene		5 U
56-23-5	CarbonTetrachloride		5 U	108-90-7	Chlorobenzene		5 U
108-05-4	VinylAcetate		10 U	100-41-4	Ethylbenzene		5 U
75-27-4	Bromodichloromethane		5 U	100-42-5	Styrene		5 U
					Total Xylenes		5 U

U - compound was not detected
J - concentration detected is less than the required detection limit
B - compound was detected in the blank
sp - compound was a spike

10/85 Rev

Laboratory Name: Rocky Mountain Analytical
Case Number: N/A
Q.C. Number: 59436

Sample Number
MB-4

ORGANIC ANALYSIS DATA SHEET
(Page 4)

Tentatively Identified Compounds

CAS Number	Compound Name	Fraction	RT or Scan Number	Estimated Conc. ug/l
1.	Unknown	VOA	39	9.7
2.				
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Laboratory Name : Rocky Mountain Analytical Lab
Case No: N/A
Q.C.Report No: 59436

Organics Analysis Data Sheet

Sample Number
MB-1

Semivolatile Compounds

Conc.:	Low	GPC Cleanup	No
Date Extracted/Prepared:	04/23/88	Separatory Funnel Extraction	No
Date Analyzed	06/01/88	Continuous Liquid-Liquid Extraction	Yes
Conc/Dil Factor	2.00		
Percent Moisture (Decanted)	N/A		

CAS Number	Compound	Value	ug/L	CAS Number	Compound	Value	ug/L
108-95-2	Phenol		10 U				
111-44-4	bis(-2-Chloroethyl)Ether		10 U	83-32-9	Acenaphthene		10 U
95-57-8	2-Chlorophenol		10 U	51-28-5	2,4-Dinitrophenol		50 U
541-73-1	1,3-Dichlorobenzene		10 U	100-02-7	4-Nitrophenol		50 U
106-46-7	1,4-Dichlorobenzene		10 U	132-64-9	Dibenzofuran		10 U
100-51-6	Benzyl Alcohol		10 U	121-14-2	2,4-Dinitrotoluene		10 U
95-50-1	1,2-Dichlorobenzene		10 U	606-20-2	2,6-Dinitrotoluene		10 U
95-48-7	2-Methylphenol		10 U	84-66-2	Diethylphthalate		10 U
39638-32-9	bis(2-chloroisopropyl)Ether		10 U	7005-72-3	4-Chlorophenyl-phenylether		10 U
106-44-5	4-Methylphenol		10 U	86-73-7	Fluorene		10 U
621-64-7	N-Nitro-Di-n-Propylamine		10 U	100-01-6	4-Nitroaniline		50 U
67-72-1	Hexachloroethane		10 U	534-52-1	4,6-Dinitro-2-Methylphenol		50 U
98-95-3	Nitrobenzene		10 U	86-30-6	N-Nitrosidiphenylamine (1)		10 U
78-59-1	Isophorone		10 U	101-55-3	4-Bromophenyl-phenylether		10 U
88-75-5	2-Nitrophenol		10 U	118-74-1	Hexachlorobenzene		10 U
105-67-9	2,4-Dimethylphenol		10 U	87-86-5	Pentachlorophenol		50 U
65-85-0	Benzoic Acid		50 U	85-01-8	Phenanthrene		10 U
111-91-1	bis(2-Chloroethoxy) Methane		10 U	120-12-7	Anthracene		10 U
120-83-2	2,4-Dichlorophenol		10 U	84-74-2	Di-N-Butylphthalate		10 U
120-82-1	1,2,4-Trichlorobenzene		10 U	206-44-0	Fluoranthene		10 U
91-20-3	Naphthalene		10 U	129-00-0	Pyrene		10 U
106-47-8	4-Chloroaniline		10 U	85-68-7	Butylbenzylphthalate		10 U
87-68-3	Hexachlorobutadiene		10 U	91-94-1	3,3'-Dichlorobenzidine		20 U
59-50-7	4-Chloro-3-Methylphenol		10 U	56-55-3	Benzo(a)Anthracene		10 U
91-57-6	2-Methylnaphthalene		10 U	117-81-7	bis(2-Ethylhexyl)Phthalate	3.6	J
77-47-4	Hexachlorocyclopentadiene		10 U	218-01-9	Chrysene		10 U
88-06-2	2,4,6-Trichlorophenol		10 U	117-84-0	Di-n-Octylphthalate	2.3	J
95-95-4	2,4,5-Trichlorophenol		50 U	205-99-2	Benzo(b)Fluoranthene		10 U
91-58-7	2-Chloronaphthalene		10 U	207-08-9	Benzo(k)Fluoranthene		10 U
88-74-4	2-Nitroaniline		50 U	50-32-8	Benzo(a)Pyrene		10 U
131-11-4	Dimethyl Phthalate		10 U	193-39-5	Indeno(1,2,3-cd)Pyrene		10 U
208-96-8	Acenaphthylene		10 U	53-70-3	Dibenzo(a,h)Anthracene		10 U
99-09-2	3-Nitroaniline		50 U	191-24-2	Benzo(g,h,i)Perylene		10 U

(1)-Cannot be separated from diphenylamine.

Laboratory Name: Rocky Mountain Analytical
Case Number: N/A
Q.C. Number: 59436

Sample Number
MB-1

ORGANIC ANALYSIS DATA SHEET
(Page 4)

Tentatively Identified Compounds

CAS Number	Compound Name	Fraction	RT or Scan Number	Estimated Conc. ug/l
1. 108-87-2	Methyl Cyclohexane	BNA	314	10
2. 108-88-3	Methyl Benzene	BNA	369	6.7
3.	Oxygenated Hydrocarbon	BNA	393	12
4.	Oxygenated Hydrocarbon	BNA	435	7.4
5.	Oxygenated Hydrocarbon	BNA	469	17
6. 96-19-5	1,2,3-Trichloro-1-Propene	BNA	623	11
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Laboratory Name : Rocky Mountain Analytical Lab
Case No: N/A
Q.C.Report No: 59436

Organics Analysis Data Sheet

Sample Number
MB-2

Semivolatile Compounds

Conc.:	Low	GPC Cleanup	No
Date Extracted/Prepared:	04/23/88	Separatory Funnel Extraction	No
Date Analyzed	06/03/88	Continuous Liquid-Liquid Extraction	Yes
Conc/Dil Factor	2.00		
Percent Moisture (Decanted)	N/A		

CAS Number	Compound	Value	ug/L	CAS Number	Compound	Value	ug/L
108-95-2	Phenol		10 U				
111-44-4	bis(-2-Chloroethyl)Ether		10 U	83-32-9	Acenaphthene		10 U
95-57-8	2-Chlorophenol		10 U	51-28-5	2,4-Dinitrophenol		50 U
541-73-1	1,3-Dichlorobenzene		10 U	100-02-7	4-Nitrophenol		50 U
106-46-7	1,4-Dichlorobenzene		10 U	132-64-9	Dibenzofuran		10 U
100-51-6	Benzyl Alcohol		10 U	121-14-2	2,4-Dinitrotoluene		10 U
95-50-1	1,2-Dichlorobenzene		10 U	606-20-2	2,6-Dinitrotoluene		10 U
95-48-7	2-Methylphenol		10 U	84-66-2	Diethylphthalate		10 U
39638-32-9	bis(2-chloroisopropyl)Ether		10 U	7005-72-3	4-Chlorophenyl-phenylether		10 U
106-44-5	4-Methylphenol		10 U	86-73-7	Fluorene		10 U
621-64-7	N-Nitro-Di-n-Propylamine		10 U	100-01-6	4-Nitroaniline		50 U
67-72-1	Hexachloroethane		10 U	534-52-1	4,6-Dinitro-2-Methylphenol		50 U
98-95-3	Nitrobenzene		10 U	86-30-6	N-Nitrosidiphenylamine (1)		10 U
78-59-1	Isophorone		10 U	101-55-3	4-Bromophenyl-phenylether		10 U
88-75-5	2-Nitrophenol		10 U	118-74-1	Hexachlorobenzene		10 U
105-67-9	2,4-Dimethylphenol		10 U	87-86-5	Pentachlorophenol		50 U
65-85-0	Benzoic Acid		50 U	85-01-8	Phenanthrene		10 U
111-91-1	bis(2-Chloroethoxy) Methane		10 U	120-12-7	Anthracene		10 U
120-83-2	2,4-Dichlorophenol		10 U	84-74-2	Di-N-Butylphthalate		10 U
120-82-1	1,2,4-Trichlorobenzene		10 U	206-44-0	Fluoranthene		10 U
91-20-3	Naphthalene		10 U	129-00-0	Pyrene		10 U
106-47-8	4-Chloroaniline		10 U	85-68-7	Butylbenzylphthalate		10 U
87-68-3	Hexachlorobutadiene		10 U	91-94-1	3,3'-Dichlorobenzidine		20 U
59-50-7	4-Chloro-3-Methylphenol		10 U	56-55-3	Benzo(a)Anthracene		10 U
91-57-6	2-Methylnaphthalene		10 U	117-81-7	bis(2-Ethylhexyl)Phthalate	4.0	J
77-47-4	Hexachlorocyclopentadiene		10 U	218-01-9	Chrysene		10 U
88-06-2	2,4,6-Trichlorophenol		10 U	117-84-0	Di-n-Octylphthalate	2.8	J
95-95-4	2,4,5-Trichlorophenol		50 U	205-99-2	Benzo(b)Fluoranthene		10 U
91-58-7	2-Chloronaphthalene		10 U	207-08-9	Benzo(k)Fluoranthene		10 U
88-74-4	2-Nitroaniline		50 U	50-32-8	Benzo(a)Pyrene		10 U
131-11-4	Dimethyl Phthalate		10 U	193-39-5	Indeno(1,2,3-cd)Pyrene		10 U
208-96-8	Acenaphthylene		10 U	53-70-3	Dibenzo(a,h)Anthracene		10 U
99-09-2	3-Nitroaniline		50 U	191-24-2	Benzo(g,h,i)Perylene		10 U

(1)-Cannot be separated from diphenylamine.

Laboratory Name: Rocky Mountain Analytical
Case Number: N/A
Q.C. Number: 59436

Sample Number
MB-2

ORGANIC ANALYSIS DATA SHEET
(Page 4)

Tentatively Identified Compounds

CAS Number	Compound Name	Fraction	RT or Scan Number	Estimated Conc. ug/l
1. 108-88-3	Methyl Benzene	BNA	328	5.5
2.	Oxygenated Hydrocarbon	BNA	357	14
3.	Oxygenated Hydrocarbon	BNA	401	9.9
4.	Oxygenated Hydrocarbon	BNA	436	19
5. 96-19-5	1,2,3-Trichloro-1-Propene	BNA	589	9.5
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Laboratory Name : Rocky Mountain Analytical Lab
Case No: N/A
Q.C.Report No: 59436

Organics Analysis Data Sheet

Page 2

Sample Number
MB-3

Semivolatile Compounds

Conc.:	Low	GPC Cleanup	No
Date Extracted/Prepared:	04/25/88	Separatory Funnel Extraction	Yes
Date Analyzed	06/02/88	Continuous Liquid-Liquid Extraction	No
Conc/Dil Factor	2.00		
Percent Moisture (Decanted)	N/A		

CAS Number	Compound	Value	ug/L	CAS Number	Compound	Value	ug/L
108-95-2	Phenol		10 U				
111-44-4	bis(-2-Chloroethyl)Ether		10 U	83-32-9	Acenaphthene		10 U
95-57-8	2-Chlorophenol		10 U	51-28-5	2,4-Dinitrophenol		50 U
541-73-1	1,3-Dichlorobenzene		10 U	100-02-7	4-Nitrophenol		50 U
106-46-7	1,4-Dichlorobenzene		10 U	132-64-9	Dibenzofuran		10 U
100-51-6	Benzyl Alcohol		10 U	121-14-2	2,4-Dinitrotoluene		10 U
95-50-1	1,2-Dichlorobenzene		10 U	606-20-2	2,6-Dinitrotoluene		10 U
95-48-7	2-Methylphenol		10 U	84-66-2	Diethylphthalate		10 U
39638-32-9	bis(2-chloroisopropyl)Ether		10 U	7005-72-3	4-Chlorophenyl-phenylether		10 U
106-44-5	4-Methylphenol		10 U	86-73-7	Fluorene		10 U
621-64-7	N-Nitro-Di-n-Propylamine		10 U	100-01-6	4-Nitroaniline		50 U
67-72-1	Hexachloroethane		10 U	534-52-1	4,6-Dinitro-2-Methylphenol		50 U
98-95-3	Nitrobenzene		10 U	86-30-6	N-Nitrosidiphenylamine (1)		10 U
78-59-1	Isophorone		10 U	101-55-3	4-Bromophenyl-phenylether		10 U
88-75-5	2-Nitrophenol		10 U	118-74-1	Hexachlorobenzene		10 U
105-67-9	2,4-Dimethylphenol		10 U	87-86-5	Pentachlorophenol		50 U
65-85-0	Benzoic Acid		50 U	85-01-8	Phenanthrene		10 U
111-91-1	bis(2-Chloroethoxy) Methane		10 U	120-12-7	Anthracene		10 U
120-83-2	2,4-Dichlorophenol		10 U	84-74-2	Di-N-Butylphthalate		10 U
120-82-1	1,2,4-Trichlorobenzene		10 U	206-44-0	Fluoranthene		10 U
91-20-3	Naphthalene		10 U	129-00-0	Pyrene		10 U
106-47-8	4-Chloroaniline		10 U	85-68-7	Butylbenzylphthalate		10 U
87-68-3	Hexachlorobutadiene		10 U	91-94-1	3,3'-Dichlorobenzidine		20 U
59-50-7	4-Chloro-3-Methylphenol		10 U	56-55-3	Benzo(a)Anthracene		10 U
91-57-6	2-Methylnaphthalene		10 U	117-81-7	bis(2-Ethylhexyl)Phthalate		10 U
77-47-4	Hexachlorocyclopentadiene		10 U	218-01-9	Chrysene		10 U
88-06-2	2,4,6-Trichlorophenol		10 U	117-84-0	Di-n-Octylphthalate		10 U
95-95-4	2,4,5-Trichlorophenol		50 U	205-99-2	Benzo(b)Fluoranthene		10 U
91-58-7	2-Chloronaphthalene		10 U	207-08-9	Benzo(k)Fluoranthene		10 U
88-74-4	2-Nitroaniline		50 U	50-32-8	Benzo(a)Pyrene		10 U
131-11-4	Dimethyl Phthalate		10 U	193-39-5	Indeno(1,2,3-cd)Pyrene		10 U
208-96-8	Acenaphthylene		10 U	53-70-3	Dibenzo(a,h)Anthracene		10 U
99-09-2	3-Nitroaniline		50 U	191-24-2	Benzo(g,h,i)Perylene		10 U

(1)-Cannot be separated from diphenylamine.

Laboratory Name: Rocky Mountain Analytical
Case Number: N/A
Q.C. Number: 59436

Sample Number
MB-3

ORGANIC ANALYSIS DATA SHEET
(Page 4)

Tentatively Identified Compounds

CAS Number	Compound Name	Fraction	RT or Scan Number	Estimated Conc. ug/l
1. 108-87-2	Methyl Cyclohexane	BNA	316	7.7
2. 108-88-3	Methyl Benzene	BNA	371	4.9
3.	Oxygenated Hydrocarbon	BNA	469	11
4.				
5.				
6.				
7.				
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29.				
30.				

ROCKY MOUNTAIN ANALYTICAL LABORATORY
ORGANIC MASS SPECTROMETRY DIVISION
TARGET COMPOUND DATA SUMMARY SHEET

Sample: 59436-Method Blank 1
Date Analyzed: 06/01/88

Units: ug/L
Run Factor: 2.00

SURROGATE SPIKE RECOVERIES
PYRIDINES

Compound	Surrogate Amount (ug) Spiked	Measured	% Recovery Measured	QC Limits
Pyridine-D5	100.0	50.0	50	50-150

TARGET COMPOUNDS

Sample Concentration ug/l	Detection Limit(ppb)	Compound	CAS #
	10 U	Pyridine	110-86-1
	10 U	2-Picoline	109-06-8
	10 U	3 & 4-Picoline	
	10 U	2,6-Lutidine	
	10 U	2-Ethyl Pyridine	
	10 U	2,4 & 2,5-Lutidine	
	10 U	2,3-Lutidine	
	10 U	3-Ethyl Pyridine	
	10 U	4-Ethyl Pyridine	
	10 U	3,5-Lutidine	
2.4	J	3,4-Lutidine	
	10 U	2-Methyl-5-Ethyl Pyridine	
	10 U	2-Methyl-3-Ethyl Pyridine	
	10 U	M and P Cresols	
	10 U	3-Ethyl-4-Methyl Pyridine	
	10 U	3-Ethyl-5-Methyl Pyridine	
	10 U	2,6-Dimethyl Phenol	
	10 U	2,5-Dimethyl Phenol	
	10 U	3,5-Dimethyl Phenol	
	10 U	2,3-Dimethyl Phenol	
	10 U	3,4-Dimethyl Phenol	
	10 U	1-Methylnaphthalene	90-12-0

J = Value below detection limit.

FORM I

02780

ROCKY MOUNTAIN ANALYTICAL LABORATORY
ORGANIC MASS SPECTROMETRY DIVISION
TARGET COMPOUND DATA SUMMARY SHEET

Sample: 59436-Method Blank 2
Date Analyzed: 06/03/88

Units: ug/L
Run Factor: 2.00

SURROGATE SPIKE RECOVERIES
PYRIDINES

Compound	Surrogate Amount (ug) Spiked	Measured	% Recovery Measured	QC Limits
Pyridine-D5	100.0	34.3	34	50-150

TARGET COMPOUNDS

Sample Concentration ug/l	Detection Limit(ppb)	Compound	CAS #
	10 U	Pyridine	110-86-1
	10 U	2-Picoline	109-06-8
	10 U	3 & 4-Picoline	
	10 U	2,6-Lutidine	
	10 U	2-Ethyl Pyridine	
	10 U	2,4 & 2,5-Lutidine	
	10 U	2,3-Lutidine	
	10 U	3-Ethyl Pyridine	
	10 U	4-Ethyl Pyridine	
	10 U	3,5-Lutidine	
	10 U	3,4-Lutidine	
	10 U	2-Methyl-5-Ethyl Pyridine	
	10 U	2-Methyl-3-Ethyl Pyridine	
	10 U	M and P Cresols	
	10 U	3-Ethyl-4-Methyl Pyridine	
	10 U	3-Ethyl-5-Methyl Pyridine	
	10 U	2,6-Dimethyl Phenol	
	10 U	2,5-Dimethyl Phenol	
	10 U	3,5-Dimethyl Phenol	
	10 U	2,3-Dimethyl Phenol	
	10 U	3,4-Dimethyl Phenol	
	10 U	1-Methylnaphthalene	90-12-0

FORM I

ROCKY MOUNTAIN ANALYTICAL LABORATORY
ORGANIC MASS SPECTROMETRY DIVISION
TARGET COMPOUND DATA SUMMARY SHEET

Sample: 59436-Method Blank 3
Date Analyzed: 06/02/88

Units: ug/L
Run Factor: 2.00

SURROGATE SPIKE RECOVERIES
PYRIDINES

Compound	Surrogate Amount (ug) Spiked	Measured	% Recovery Measured	QC Limits
Pyridine-D5	100.0	38.7	39	50-150

TARGET COMPOUNDS

Sample Concentration ug/l	Detection Limit(ppb)	Compound	CAS #
	10 U	Pyridine	110-86-1
	10 U	2-Picoline	109-06-8
	10 U	3 & 4-Picoline	
	10 U	2,6-Lutidine	
	10 U	2-Ethyl Pyridine	
	10 U	2,4 & 2,5-Lutidine	
	10 U	2,3-Lutidine	
	10 U	3-Ethyl Pyridine	
	10 U	4-Ethyl Pyridine	
	10 U	3,5-Lutidine	
	10 U	3,4-Lutidine	
	10 U	2-Methyl-5-Ethyl Pyridine	
	10 U	2-Methyl-3-Ethyl Pyridine	
	10 U	M and P Cresols	
	10 U	3-Ethyl-4-Methyl Pyridine	
	10 U	3-Ethyl-5-Methyl Pyridine	
	10 U	2,6-Dimethyl Phenol	
	10 U	2,5-Dimethyl Phenol	
	10 U	3,5-Dimethyl Phenol	
	10 U	2,3-Dimethyl Phenol	
	10 U	3,4-Dimethyl Phenol	
	10 U	1-Methylnaphthalene	90-12-0

FORM I

ROCKY MOUNTAIN ANALYTICAL LABORATORY
ORGANIC MASS SPECTROMETRY DIVISION
TARGET COMPOUND DATA SUMMARY SHEET

Sample: 59436-Method Blank-1
Date Analyzed: 06/07/88

Units: ug/L
Run Factor: 0.125

Surrogate Spike Recoveries

Compound	Surrogate Amount (ug) Spiked	Measured	% Recovery Measured	QC Limits
D12-Chrysene	80.0	91.1	114	10-118

Target Compounds

Sample Concentration(ng/l)	Detection Limit (ppt)	Compound
	10 U	Benzo(A)Anthracene
	10 U	Chrysene
	10 U	Benzo(B)Fluoranthene
	10 U	Benzo(K)Fluoranthene
	10 U	Benzo(A)Pyrene

FORM I

Laboratory Name: Rocky Mountain Analytical Lab
Case No: 59436

Sample Number:
MB-1

ORGANICS ANALYSIS DATA SHEET
(Page 3)

02783

Pesticides/ PCB's:

Concentration : Low
Date Ext./Prep :04/23/88
Date Analyzed :05/06/88
Conc./Dil Factor : 50.0
Percent Moisture :

GPC Cleanup :No
Separatory Funnel Extract.:Yes
Cont. Liquid/Liquid Extr. :No
Sonication Extraction :No

CAS Number	Compound	Value	ug/ L
319-84-6	Alpha-BHC		0.05 U
319-85-7	Beta-BHC		0.05 U
319-86-8	Delta-BHC		0.05 U
58-89-9	Gamma-BHC(Lindane)		0.05 U
76-44-8	Heptachlor		0.05 U
309-00-2	Aldrin		0.05 U
1204-57-3	Heptachlor Epoxide		0.05 U
959-98-8	Endosulfan I		0.05 U
60-57-1	Dieldrin		0.10 U
72-55-9	4,4'-DDE		0.10 U
72-20-8	Endrin		0.10 U
33213-65-9	Endosulfan II		0.10 U
72-54-8	4,4'-DDD		0.10 U
1031-07-8	Endosulfan Sulfate		0.10 U
50-29-3	4,4'-DDT		0.10 U
72-43-5	Methoxychlor		0.50 U
53494-70-5	Endrin Ketone		0.10 U
57-74-9	Chlordane		0.50 U
8001-35-2	Toxaphene		1.00 U
12674-11-2	Aroclor-1016		0.50 U
11104-28-2	Aroclor-1221		0.50 U
11141-16-5	Aroclor-1232		0.50 U
53469-21-9	Aroclor-1242		0.50 U
12672-29-6	Aroclor-1248		0.50 U
11097-69-1	Aroclor-1254		1.00 U
11096-82-5	Arolcor-1260		1.00 U

Vi = Volume of extract injected (ul) Vi = 2ul/4ul
Vs = Volume of water extracted (ml) Vs = 1000 ml
Ws = Weight of sample extracted (g) Ws = N/A
Vt = Volume of total extract (ul) Vt = 1000 ul

4/27/88 12:43:47 SCAN 1 OF 1350
Acquisition started

Acquire
04/27/88 12:43:00 + 0:03
Sample: METHOD BLANK 5ML/5ML 100%
Conds.: QC DESC CV
Formula: ---
Submitted by: RMAL

Run O:BLZ808
Free sectors: 10186
Instrument: 4500
Analyst: CG

ACQUIRING
Scan: 3 of 1350

02784

Weight: 0.000
Acct. No: 59524

************ GC PARAMETERS **********

Loaded GC Desc:CV Current GC oven tmp: -9 DegC
Current GC Desc:CV GC elapsed time : 0: 3 min

Seq.#	Temp(C)	Rate(C/m)	Time(min)	Total time(min)
1	-10 - -10	-	1.0	1.0
2	-10 - 100	6.0	18.3	19.3
3	100 - 170	8.3	8.4	27.7
4	170 - 170	-	5.0	32.7

Injector : 150 DegC
Int.oven : 150 DegC

	Open	Close
Sweep/Split	32.7	0.0
Divert	32.7	0.0

********** SCAN PARAMETERS **********

Low mass: 35
High mass: 300

Up: 0.95 L*
Down: 0.00 L

Top: 0.00
Bottom: 0.05

Cent S/P: 10 Actual: 18
Frag S/P: 10 Actual: 9

Samp Int (ms): 0.200
Samp Int (ms): 0.400

Peak Width: 1000.
Inten/ion: 2

Min Peak Width: 3
ADC Threshold: 1

Min Frag Width %: 80
Baseline: 0

Min Area: 20

***** Mode: Centroid positive ion + R1 (Temp)

Interface number	0	
Sub-interface number	0	
# of acqu buffers	16	
Instrument type	Q	
Full scale mass	1024	u
Zero scale mass	1	u
Intensity/ion	2	
Peak Width	1000.	mmu
Offset at low mass	0	mmu
Offset at high mass	0	mmu
Voltage settling time(MS)	4	

4/27/88 13:06:21
ACQUISITION COMPLETED
SCANS 1 TO 1350 Centroid

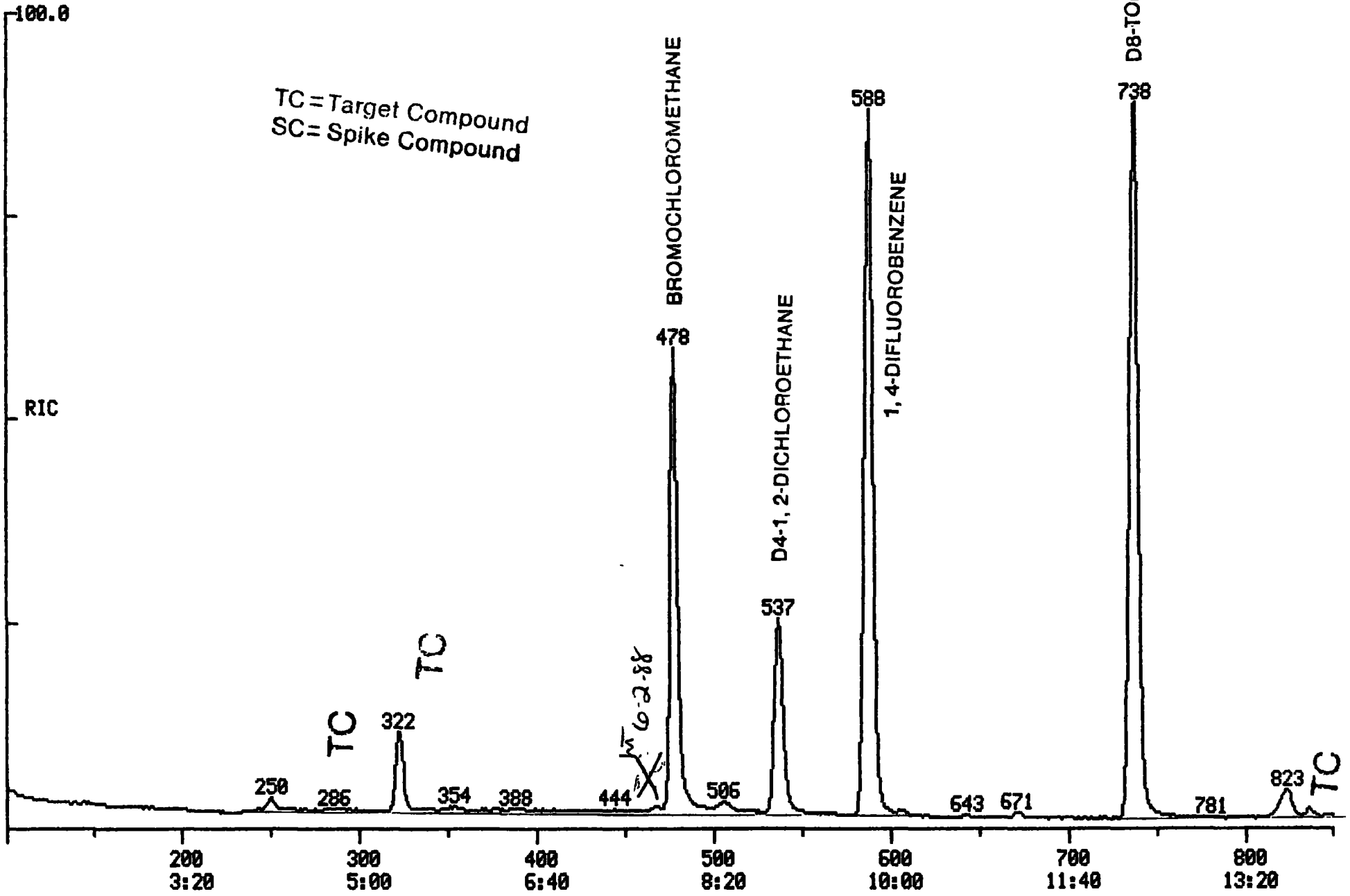
Mode	Scans	Secs	Out of	%	Peaks per scan	per sec
Centroid	1350	41.1	1350.0	3.0	29348. 22.	22.

02785

RIC
04/27/88 12:43:00
SAMPLE: METHOD BLANK 5ML/5ML 100%
CONDS.: GC DESC CV
RANGE: G 1,1350 LABEL: N 0, 4.0 QUAN: A 0, 1.0 J 0 BASE: U 20, 3

DATA: BLZ808 #4
CALI: 042788CZ #5

SCANS 100 TO 850
OUT OF 100 TO 1350

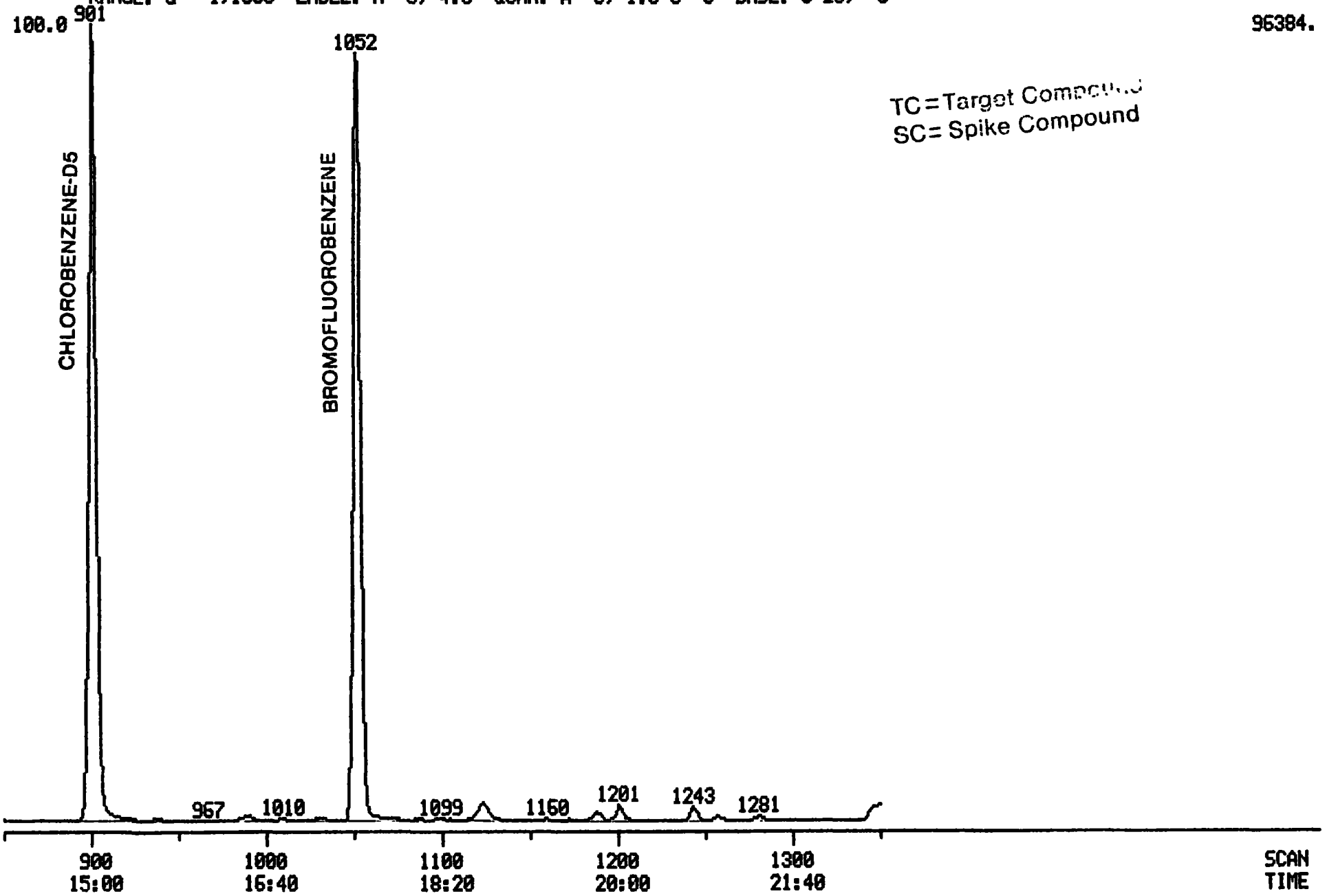


02786

RIC
04/27/88 12:43:00
SAMPLE: METHOD BLANK 5ML/5ML 100%
CONDS.: GC DESC CV
RANGE: G 1,1350 LABEL: N 0, 4.0 QUAN: A 0, 1.0 J 0 BASE: U 20, 3

DATA: BLZ808 #4
CALI: 042788CZ #5

SCANS 850 TO 1350
OUT OF 100 TO 1350



TC=Target Compound
SC= Spike Compound

PROCEDURE: TCA DIAGNOSTIC REPORT 5/02/88 15:36:47
DATA FILE: BLZ808
REFERENCE: 11TABLE
NAME LIST: LLNL INITIALIZATION OPTION: 2 PROCESSING OPTION: 3 02787
REPORT: ISO1

< ---- STANDARDS ----- >				< --- PLUS UNKNOWNS --- >				< - LIST NAMES - >
PROC	USED	POSS	RMS	PROC	USED	POSS	RMS	STANDARD/UNKNOWN
1	1	1	0	13	5	6	51	ISO1/TCO1
3	3	1	75	18	5	1	123	ISO2/TCO2
3	3	1	75	6	4	1	57	ISO3/TCO3
1	1	1	0	9	3	1	98	ISO4/TCO4

41 COMPOUNDS PROCESSED, 12 FOUND

< COMPOUND >			< ---------- SEARCH ---------- >					< SAT >	< ------ CHRO ------- >			
NO	LIB	ENTRY	REF	PRED	SEL	DELTA	PEAKS	FIT	PEAKS	M/Z	TOP	DELTA	PEAKS
1	V1	1	-476	478	478	.	1	991	.	128	478	.	1
2	V1	10	-107	109	.	.	.	.	.	50	.	.	.
3	V1	25	-122	124	.	.	.	.	.	62	.	.	.
4	V1	15	-156	158	.	.	.	.	.	94	.	.	.
5	V1	35	-170	172	.	.	.	.	.	64	.	.	.
6	V1	80	-257	259	.	.	.	.	.	96	258	.	1
7	V1	65	-265	267	.	.	.	.	.	76	.	.	.
8	V1	50	-282	284	284	.	2	985	.	58	285	1	1
9	V1	45	-321	323	323	.	1	981	.	84	322	-1	1
10	V1	95	-346	348	.	.	.	.	.	96	349	.	1
11	V1	90	-392	394	.	.	.	.	.	63	.	.	.
12	V2	25	-412	414	413	-1	3	968	.	43	.	.	.
13	V2	10	-467	469	469	.	1	888	.	72	468	-1	1
14	V2	1	-588	589	588	-1	1	997	.	114	588	.	1
15	V3	1	-903	901	901	.	1	997	.	117	901	.	1
16	V1	100	-494	495	.	.	.	.	.	83	.	.	.
17	V2	15	-498	499	.	.	.	.	.	97	.	.	.
18	V2	20	-513	514	.	.	.	.	.	117	.	.	.
19	V2	60	-536	536	.	.	.	.	.	78	536	.	1
20	V1	2	-537	537	537	.	1	992	.	65	537	.	1
21	V1	110	-545	545	.	.	.	.	.	62	.	.	.
22	V2	45	-608	608	.	.	.	.	.	130	607	.	1
23	V2	35	-631	631	.	.	.	.	.	63	.	.	.
24	V2	30	-669	668	.	.	.	.	.	83	.	.	.
25	V2	40	-717	716	.	.	.	.	.	75	.	.	.
26	V3	2	-740	739	737	-2	1	973	.	98	737	.	1
27	V3	10	-742	741	.	.	.	.	.	58	.	.	.
28	V3	35	-747	745	.	.	.	.	.	92	744	.	1
29	V2	65	-785	783	.	.	.	.	.	75	.	.	.
30	V2	55	-803	801	.	.	.	.	.	97	799	.	1
31	V3	20	-805	804	.	.	.	.	.	164	.	.	.
32	V3	15	-839	837	837	.	1	956	.	58	837	.	1
33	V2	50	-843	841	.	.	.	.	.	129	840	.	1
34	V3	40	-908	905	.	.	.	.	.	112	905	.	1
35	V3	50	-926	924	.	.	.	.	.	106	924	.	1
36	V3	75	-941	939	938	-1	1	859	.	106	939	1	1
37	V3	60	-988	986	.	.	.	.	.	106	986	.	1
38	V3	55	-992	990	.	.	.	.	.	104	990	.	1
39	V2	80	-1010	1008	.	.	.	.	.	173	1009	.	1
40	V3	3	-1053	1052	1052	.	1	973	.	95	1053	1	1
41	V3	25	-1087	1086	.	.	.	.	.	83	1087	.	1

Quantitation Report File: BLZ808

02788

Data: BLZ808.TI
04/27/88 12:43:00
Sample: METHOD BLANK 5ML/5ML 100%
Conds.: GC DESC CV
Formula: ---
Submitted by: RMAL

Instrument: 4500
Analyst: CG

Weight: 0.000
Acct. No.: 59524

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

No	Name				
1	CI01 BROMOCHLOROMETHANE	128	IV1#	01	74-97-5
2	CO10 CHLOROMETHANE	50	V1#	10SP	74-87-3
3	CO20 VINYL CHLORIDE	62	V1#	25	75-01-4
4	CO15 BROMOMETHANE	94	V1#	15	74-83-9
5	CO25 CHLOROETHANE	64	V1#	35	75-00-3
6	CO45 1,1-DICHLOROETHENE	61	V1#	80	75-35-4
7	CO40 CARBON DISULFIDE	76	V1#	65	75-15-0
8	CO35 ACETONE	58	V1#	50	67-64-1
9	CO30 METHYLENE CHLORIDE	84	V1#	45	75-09-2
10	TRANS-1,2-DICHLOROETHENE	61	V1#	95	156-60-5
11	CO50 1,1-DICHLOROETHANE	63	V1#	90	75-34-3
12	C125 VINYL ACETATE	43	V2#	25	108-05-4
13	C110 2-BUTANONE	72	V2#	10	78-93-3
14	CI10 1,4-DIFLUOROBENZENE	114	IV2#	01	540-36-3
15	CI20 CHLOROBENZENE-D5	117	IV3#	01	3114-55-4
16	CO60 CHLOROFORM	83	V1#	100CC	67-66-3
17	C115 1,1,1-TRICHLOROETHANE	97	V2#	15	71-55-6
18	C120 CARBONTETRACHLORIDE	117	V2#	20	56-23-5
19	C165 BENZENE	78	V2#	60	71-43-2
20	CS15 1,2-DICHLOROETHANE-D4	65	SV1#	02	17060-07-0
21	CO65 1,2-DICHLOROETHANE	62	V1#	110	107-06-2
22	C150 TRICHLOROETHENE	130	V2#	45	79-01-6
23	C140 1,2-DICHLOROPROPANE	63	V2#	35CC	78-87-5
24	C130 BROMODICHLOROMETHANE	83	V2#	30	75-27-4
25	C143 CIS-1,3-DICHLOROPROPENE	75	V2#	40	10061-01-5
26	CS05 TOLUENE-D8	98	SV3#	02	2037-26-5
27	C205 4-METHYL-2-PENTANONE	58	V3#	10	108-10-1
28	C230 TOLUENE	92	V3#	35	108-88-3
29	C172 TRANS-1,3-DICHLOROPROPE	75	V2#	65	10061-02-6
30	C160 1,1,2-TRICHLOROETHANE	97	V2#	55	79-00-5
31	C220 TETRACHLOROETHENE	164	V3#	20	127-18-4
32	C210 2-HEXANONE	58	V3#	15	591-78-6
33	C155 DIBROMOCHLOROMETHANE	129	V2#	50	124-48-1
34	C235 CHLOROBENZENE	112	V3#	40	108-90-7
35	C240 ETHYLBENZENE	106	V3#	50	100-41-4
36	M+P XYLENES	106	V3#	75	
37	O-XYLENE	106	V3#	60	
38	C245 STYRENE	104	V3#	55	100-42-5
39	C180 BROMOFORM	173	V2#	80	75-25-2
40	CS10 BROMOFLUOROBENZENE	95	SV3#	03	460-00-4
41	C225 1,1,2,2-TETRACHLOROETHA	83	V3#	25SP	79-34-5

02789

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount	%Tot
1	128	478	7:58	1	1.000	A BB	37185.	50.000 UG/L	15.52
2	NOT FOUND								
3	NOT FOUND								
4	NOT FOUND								
5	NOT FOUND								
6	96	258	4:18	1	0.540	A BB	332.	0.357 UG/L	0.11
7	NOT FOUND								
8	58	285	4:45	1	0.596	A BB	329.	6.711 UG/L	2.08
9	84	322	5:22	1	0.674	A BB	10623.	8.067 UG/L	2.50
10	96	349	5:49	1	0.730	A BB	374.	0.368 UG/L	0.11
11	NOT FOUND								
12	NOT FOUND								
13	72	468	7:48	14	0.796	A BB	249.	3.475 UG/L	1.08
14	114	588	9:48	14	1.000	A BB	193368.	50.000 UG/L	15.52
15	117	901	15:01	15	1.000	A BB	165954.	50.000 UG/L	15.52
16	NOT FOUND								
17	NOT FOUND								
18	NOT FOUND								
19	78	536	8:56	14	0.912	A BB	46.	0.016 UG/L	0.00
20	65	537	8:57	1	1.123	A BB	35433.	47.838 UG/L	14.85
21	NOT FOUND								
22	130	607	10:07	14	1.032	A BB	385.	0.293 UG/L	0.09
23	NOT FOUND								
24	NOT FOUND								
25	NOT FOUND								
26	98	737	12:17	15	0.818	A BB	167552.	49.656 UG/L	15.41
27	NOT FOUND								
28	92	744	12:24	15	0.826	A BB	177.	0.090 UG/L	0.03
29	NOT FOUND								
30	97	799	13:19	14	1.359	A BB	123.	0.118 UG/L	0.04
31	NOT FOUND								
32	58	837	13:57	15	0.929	A BB	1032.	3.873 UG/L	1.20
33	129	840	14:00	14	1.429	A BB	226.	0.130 UG/L	0.04
34	112	905	15:05	15	1.004	A BB	500.	0.200 UG/L	0.06
35	106	924	15:24	15	1.026	A BB	46.	0.040 UG/L	0.01
36	106	939	15:39	15	1.042	A BB	205.	0.145 UG/L	0.04
37	106	986	16:26	15	1.094	A BB	167.	0.116 UG/L	0.04
38	104	990	16:30	15	1.099	A BB	999.	0.402 UG/L	0.12
39	173	1009	16:49	14	1.716	A BB	324.	0.218 UG/L	0.07
40	95	1053	17:33	15	1.169	A BB	111350.	49.982 UG/L	15.51
41	83	1087	18:07	15	1.206	A BB	141.	0.083 UG/L	0.03

No	Ret(L)	Ratio	RRT(L)	Ratio	Amnt	Amnt(L)	R.Fac	R.Fac(L)	Ratio
1	7:57	1.00	1.000	1.00	50.00	50.00	1.000	1.000	1.00
2	1:47		0.224						
3	2:02		0.256						
4	2:36		0.327						
5	2:50		0.356						
6	4:17	1.00	0.539	1.00	0.36	50.00	0.009	1.249	0.01
7	4:25		0.556						
8	4:42	1.01	0.591	1.01	6.71	50.00	0.009	0.066	0.13
9	5:21	1.00	0.673	1.00	8.07	50.00	0.286	1.771	0.16
10	5:46	1.01	0.725	1.01	0.37	50.00	0.010	1.365	0.01
11	6:32		0.822						
12	6:52		0.699						
13	7:47	1.00	0.793	1.00	3.48	50.00	0.001	0.019	0.07

No	Ret(L)	Ratio	RRT(L)	Ratio	Amnt	Amnt(L)	R.Fac	R.Fac(L)	Ratio
14	9:49	1.00	1.000	1.00	50.00	50.00	1.000	1.000	1.00
15	15:04	1.00	1.000	1.00	50.00	50.00	1.000	1.000	1.00
16	8:14		1.036						
17	8:18		0.846						
18	8:33		0.871						
19	8:56	1.00	0.910	1.00	0.02	50.00	0.000	0.744	0.00
20	8:57	1.00	1.126	1.00	47.84	50.00	0.953	0.996	0.96
21	9:05		1.143						
22	10:08	1.00	1.032	1.00	0.29	50.00	0.002	0.340	0.01
23	10:31		1.071						
24	11:09		1.136						
25	11:57		1.217						
26	12:20	1.00	0.819	1.00	49.66	50.00	1.010	1.017	0.99
27	12:22		0.821						
28	12:27	1.00	0.826	1.00	0.09	50.00	0.001	0.591	0.00
29	13:05		1.333						
30	13:23	1.00	1.363	1.00	0.12	50.00	0.001	0.269	0.00
31	13:25		0.890						
32	13:59	1.00	0.928	1.00	3.87	50.00	0.006	0.080	0.08
33	14:03	1.00	1.431	1.00	0.13	50.00	0.001	0.448	0.00
34	15:08	1.00	1.004	1.00	0.20	50.00	0.003	0.754	0.00
35	15:26	1.00	1.024	1.00	0.04	50.00	0.000	0.349	0.00
36	15:41	1.00	1.041	1.00	0.14	50.00	0.001	0.427	0.00
37	16:28	1.00	1.093	1.00	0.12	50.00	0.001	0.433	0.00
38	16:32	1.00	1.097	1.00	0.40	50.00	0.006	0.748	0.01
39	16:50	1.00	1.715	1.00	0.22	50.00	0.002	0.384	0.00
40	17:33	1.00	1.165	1.00	49.98	50.00	0.671	0.671	1.00
41	18:07	1.00	1.202	1.00	0.08	50.00	0.001	0.513	0.00

02790

TCA FINISHED, 12 FOUND
FINISHED AT: 5/02/88 15:41:59

RMAL QUANTITATION SUMMARY FILE: BLZ808
COMPOUNDS WITH AMOUNTS LESS THAN 1.00 REPORTED AS NOT FOUND

02791

UNITS: UG/L

NO	LIBRARY ENTRY	NAME	MASS	SCAN	REF	AREA	RRF	AMOUNT
1	V1# 1	CI01 BROMOCHLOROMETHANE	128	478	1	37185.	1.000	50.000
2	V2# 1	CI10 1,4-DIFLUOROBENZENE	114	588	2	193368.	1.000	50.000
3	V3# 1	CI20 CHLOROBENZENE-D5	117	901	3	165954.	1.000	50.000
4	V3# 2	CS05 TOLUENE-D8	98	737	3	167552.	1.010	49.656
5	V3# 3	CS10 BROMOFLUOROBENZENE	95	1053	3	111350.	0.671	49.982
6	V1# 2	CS15 1,2-DICHLOROETHANE-	65	537	1	35433.	0.953	47.838
7	V1# 10	C010 CHLOROMETHANE	50		1	NOT FOUND		
8	V1# 15	C015 BROMOMETHANE	94		1	NOT FOUND		
9	V1# 25	C020 VINYL CHLORIDE	62		1	NOT FOUND		
10	V1# 35	C025 CHLOROETHANE	64		1	NOT FOUND		
11	V1# 45	C030 METHYLENE CHLORIDE	84	322	1	10623.	0.286	8.067
12	V1# 50	C035 ACETONE	58	285	1	329.	0.009	6.711
13	V1# 65	C040 CARBON DISULFIDE	76		1	NOT FOUND		
14	V1# 80	C045 1,1-DICHLOROETHENE	96		1	NOT FOUND		
15	V1# 90	C050 1,1-DICHLOROETHANE	63		1	NOT FOUND		
16	V1# 95	TRANS-1,2-DICHLOROETHENE	96		1	NOT FOUND		
17	V1#100	C060 CHLOROFORM	83		1	NOT FOUND		
18	V1#110	C065 1,2-DICHLOROETHANE	62		1	NOT FOUND		
19	V2# 10	C110 2-BUTANONE	72	~~468~~	~~2~~	~~247.~~	~~0.001~~	~~3.475~~
20	V2# 15	C115 1,1,1-TRICHLOROETHA	97		2	NOT FOUND		
21	V2# 20	C120 CARBONTETRACHLORIDE	117		2	NOT FOUND		
22	V2# 25	C125 VINYL ACETATE	43		2	NOT FOUND		
23	V2# 30	C130 BROMODICHLOROMETHAN	83		2	NOT FOUND		
24	V2# 35	C140 1,2-DICHLOROPROPANE	63		2	NOT FOUND		
25	V2# 40	C143 CIS-1,3-DICHLOROPRO	75		2	NOT FOUND		
26	V2# 45	C150 TRICHLOROETHENE	130		2	NOT FOUND		
27	V2# 50	C155 DIBROMOCHLOROMETHAN	129		2	NOT FOUND		
28	V2# 55	C160 1,1,2-TRICHLOROETHA	97		2	NOT FOUND		
29	V2# 60	C165 BENZENE	78		2	NOT FOUND		
30	V2# 65	C172 TRANS-1,3-DICHLOROP	75		2	NOT FOUND		
31	V2# 80	C180 BROMOFORM	173		2	NOT FOUND		
32	V3# 10	C205 4-METHYL-2-PENTANON	58		3	NOT FOUND		
33	V3# 15	C210 2-HEXANONE	58	837	3	1032.	0.006	3.873
34	V3# 20	C220 TETRACHLOROETHENE	164		3	NOT FOUND		
35	V3# 25	C225 1,1,2,2-TETRACHLORO	83		3	NOT FOUND		
36	V3# 35	C230 TOLUENE	92		3	NOT FOUND		
37	V3# 40	C235 CHLOROBENZENE	112		3	NOT FOUND		
38	V3# 50	C240 ETHYLBENZENE	106		3	NOT FOUND		
39	V3# 55	C245 STYRENE	104		3	NOT FOUND		
40	V3# 60	O-XYLENE	106		3	NOT FOUND		
41	V3# 75	M+P XYLENES	106		3	NOT FOUND		

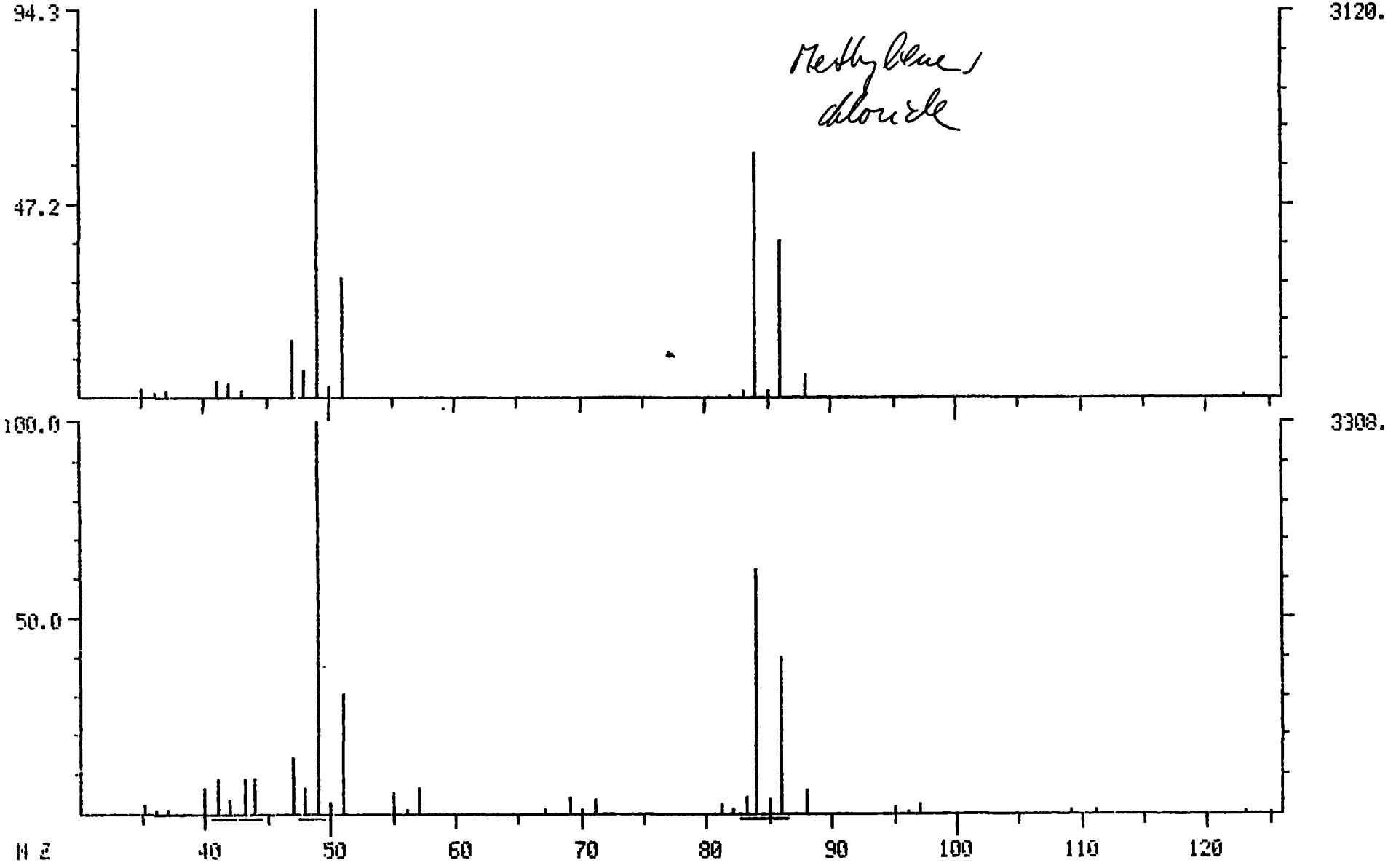
hs
6-2-88

02792

DUAL MASS SPECTRUM
04/27/88 12:43:00 + 5:22
SAMPLE: METHOD BLANK 5ML/5ML 100%
CONDS.: GC DESC CV
GC TEMP: 17 DEG. C
ENHANCED (S 15B 2N 0T)

DATA: BLZ808 #322
CALI: 042788CZ #5

BASE M/Z: 49/ 49
RIC: 8895./ 11471.

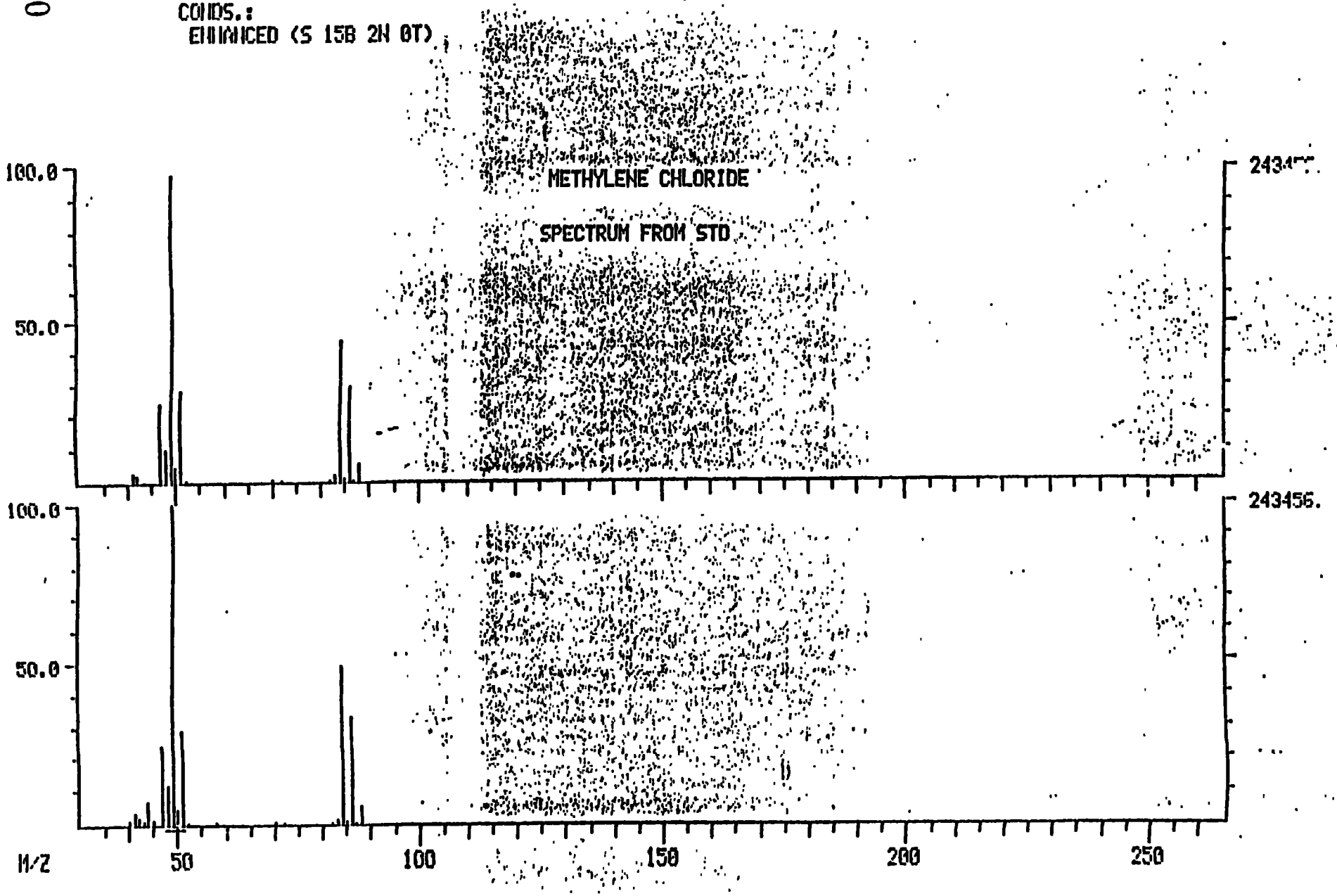


02793

DUAL MASS SPECTRUM
10/13/86 10:38:00 + 6:55
SAMPLE: 50 PPB HSL STANDARD 9-29-86 100Z/5ML
CONDS.:
ENHANCED (S 15B 2N 0T)

DATA: STDJ198 #136
CALI: STDJ198 #1

BASE M/Z: 49/ 49
RIC: 615423./ 678911.

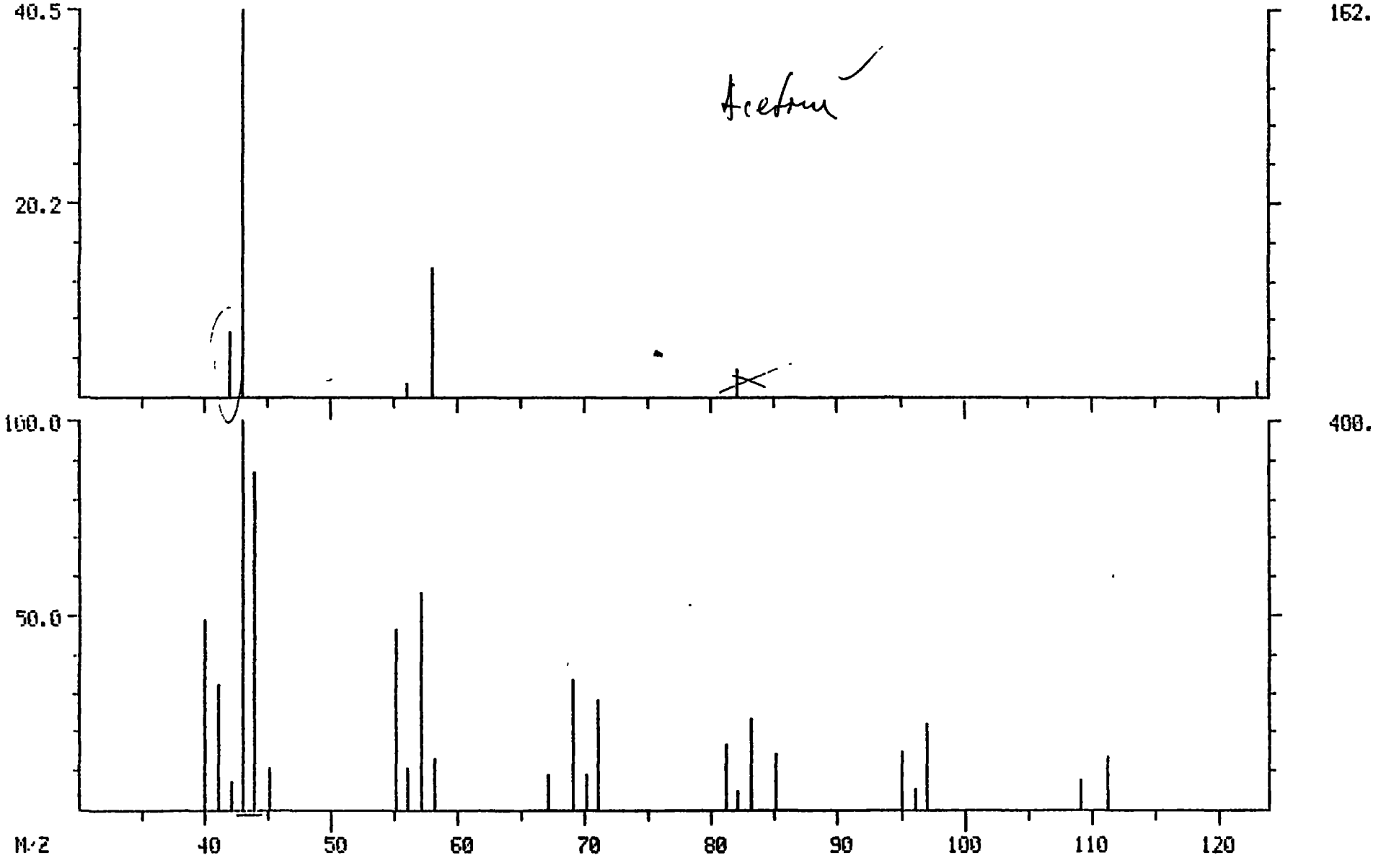


02794

DUAL MASS SPECTRUM
04/27/88 12:43:00 + 4:45
SAMPLE: METHOD BLANK 5ML/5ML 100%
CONDS.: GC DESC CV
GC TEMP: 13 DEG. C
ENHANCED (S 15B 2N 0T)

DATA: BLZ808 #285
CALI: 042788CZ #5

BASE M/Z: 43/ 43
RIC: 267./ 2467.

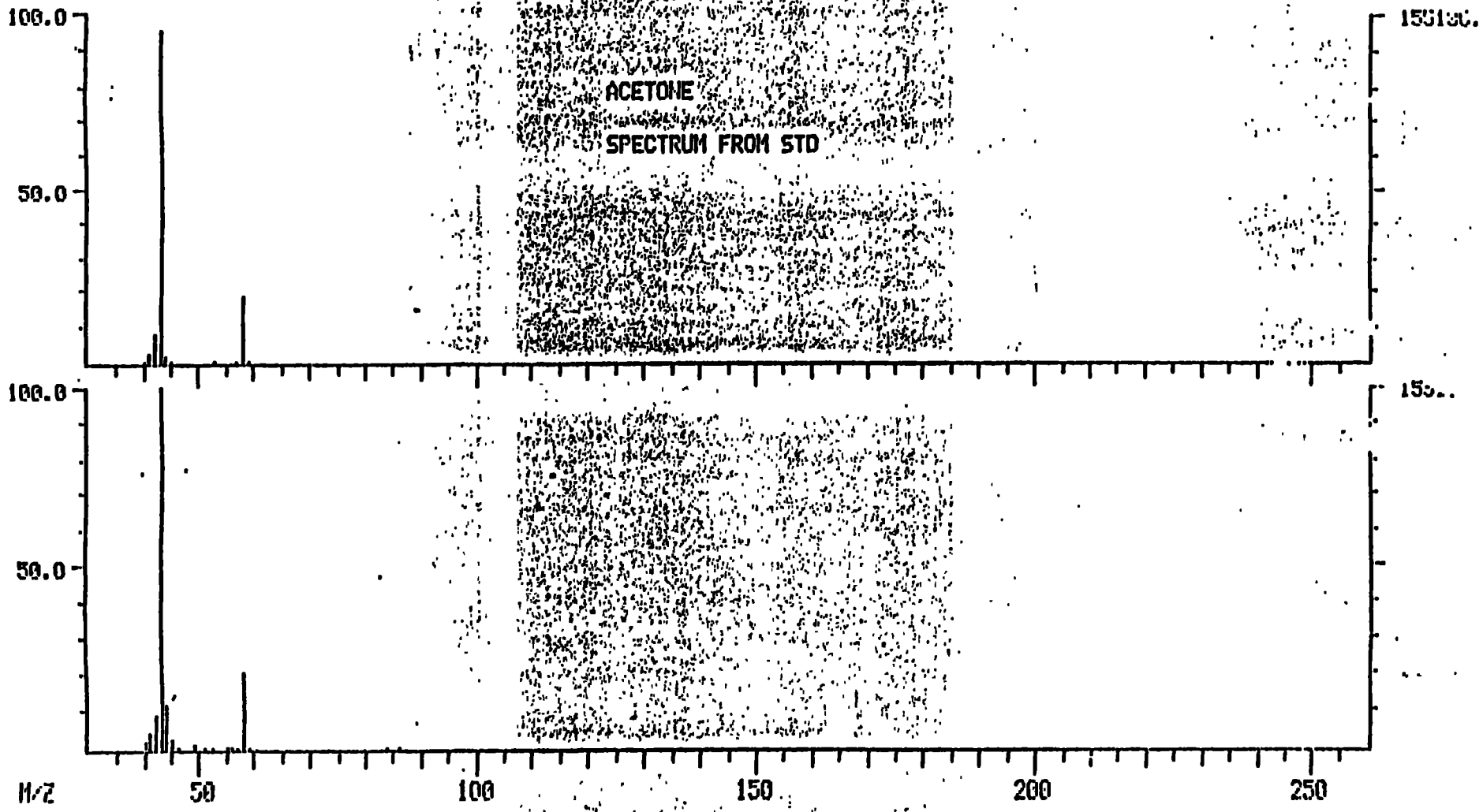


02795

DUAL MASS SPECTRUM
10/13/86 10:38:00 + 7:37
SAMPLE: 50 PPB HSL STANDARD 9-29-86 100%/5ML
CONDS.:
ENHANCED (S 150 2H 0T)

DATA: STDJ198 #150
CALI: STDJ198 #1

BASE M/Z: 43/ 43
RIC: 199835./ 247007.

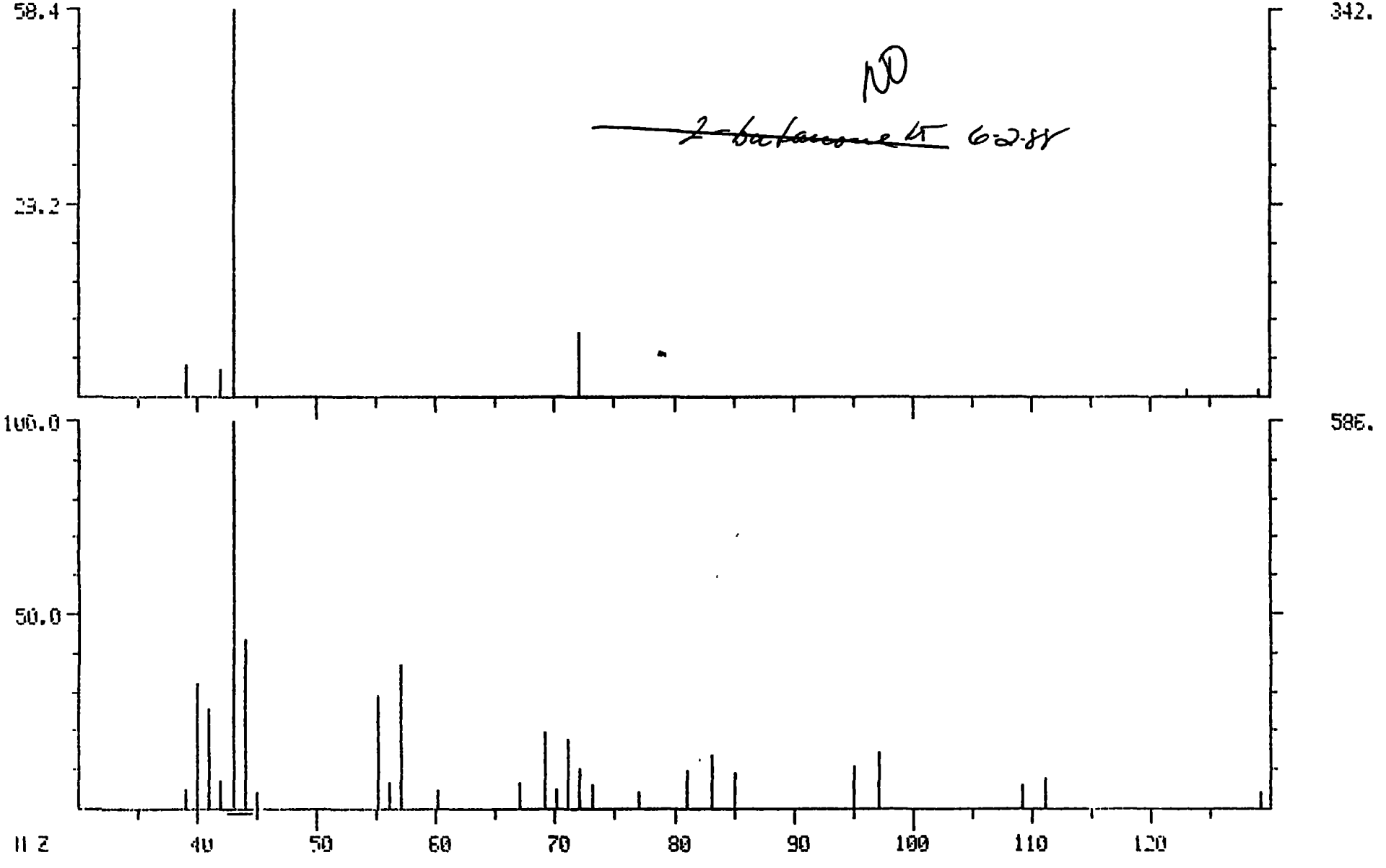


027996

DUAL MASS SPECTRUM
04/27/88 12:43:00 + 7:48.
SAMPLE: METHOD BLANK 5ML/5ML 100%
CONDS.: GC DESC CV
GC TEMP: 32 DEG. C
ENHANCED (S 15B 2N 0T)

DATA: BLZ808 #468
CALI: 042788CZ #5

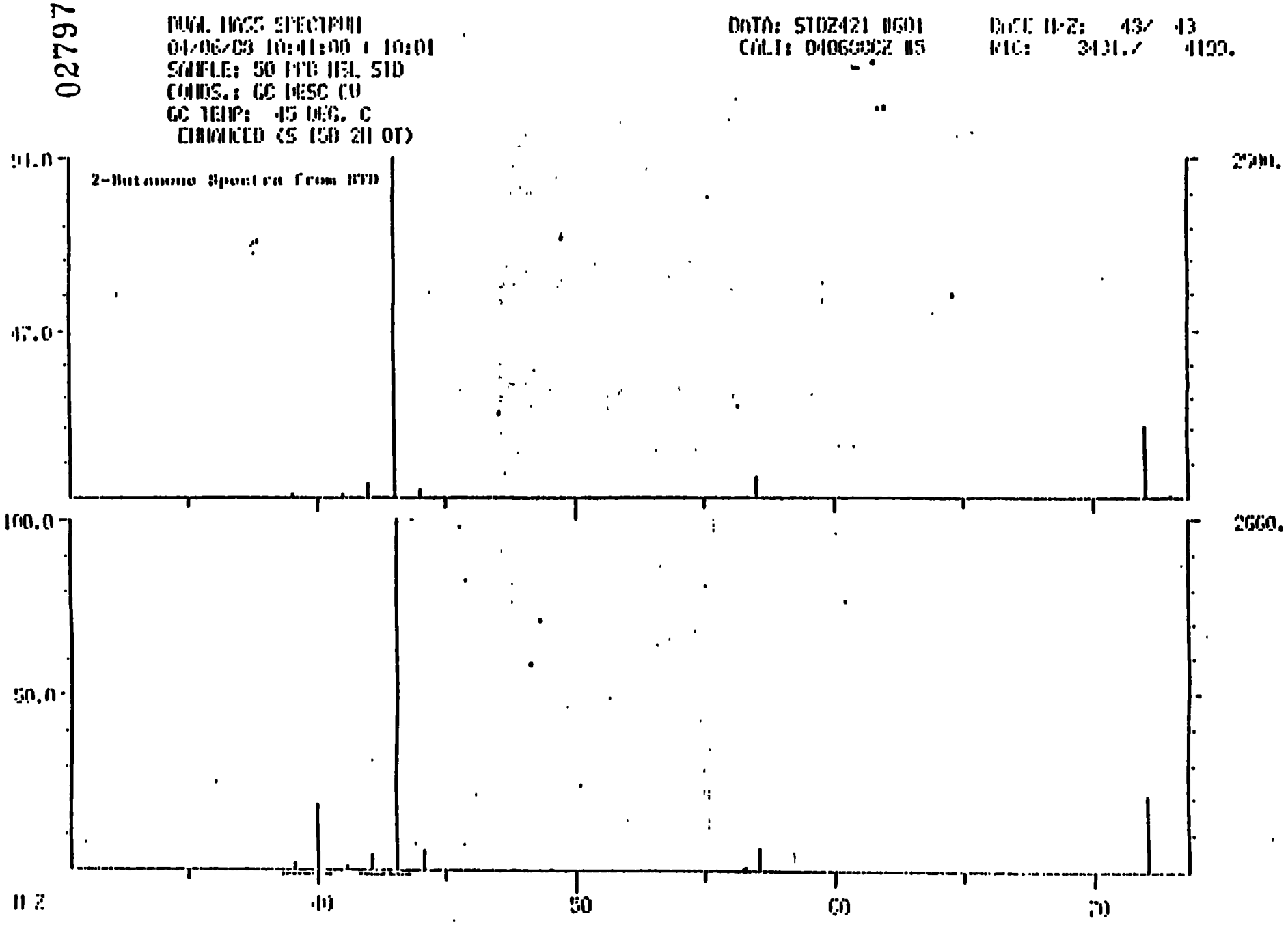
BASE M/Z: 43/ 43
RIC: 465./ 2575.



ND

~~2-butanone 45~~ 6-2-88

02797

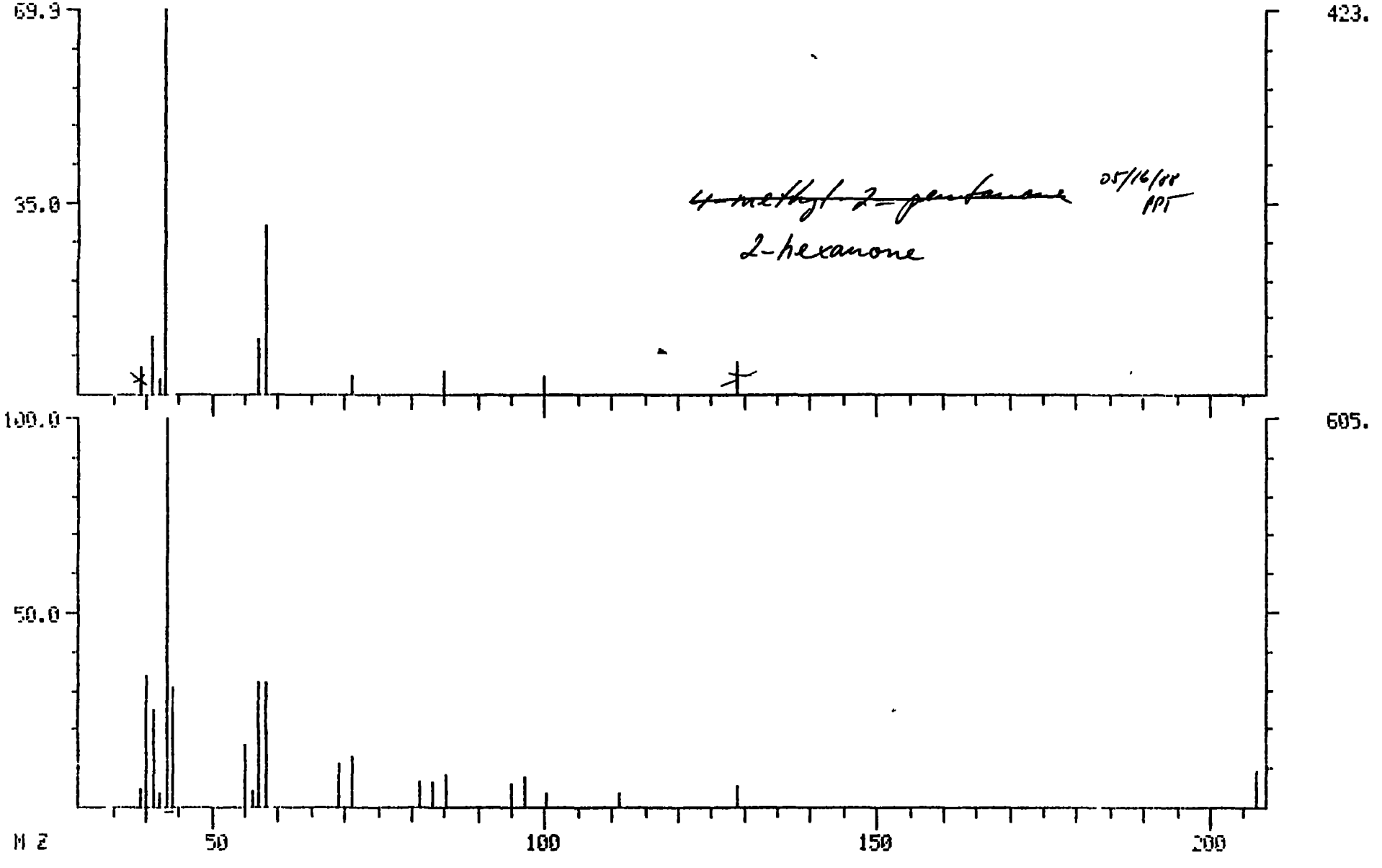

DUAL MASS SPECTRUM
04/06/88 10:41:00 + 10:01
SAMPLE: 50 PPB HEL STD
CONDS.: GC DESC CV
GC TEMP: 45 DEG. C
ENHANCED (S ISD 2H OT)
DATA: STDZ421 #601
CALI: 040600CZ #5
BASE M/Z: 43/ 43
RIC: 3431./ 4199.
2-Butanone Spectra from STD
91.0
47.0
100.0
50.0
2500.
2600.
M Z
40
50
60
70

02798

DUAL MASS SPECTRUM
04/27/88 12:43:00 + 13:57
SAMPLE: METHOD BLANK 5ML/5ML 100%
CONDS.: GC DESC CV
GC TEMP: 68 DEG. C
ENHANCED (S 15B 2N 0T)

DATA: BLZ808 #837
CALI: 042788CZ #5

BASE M/Z: 43/ 43
RIC: 876./ 2215.



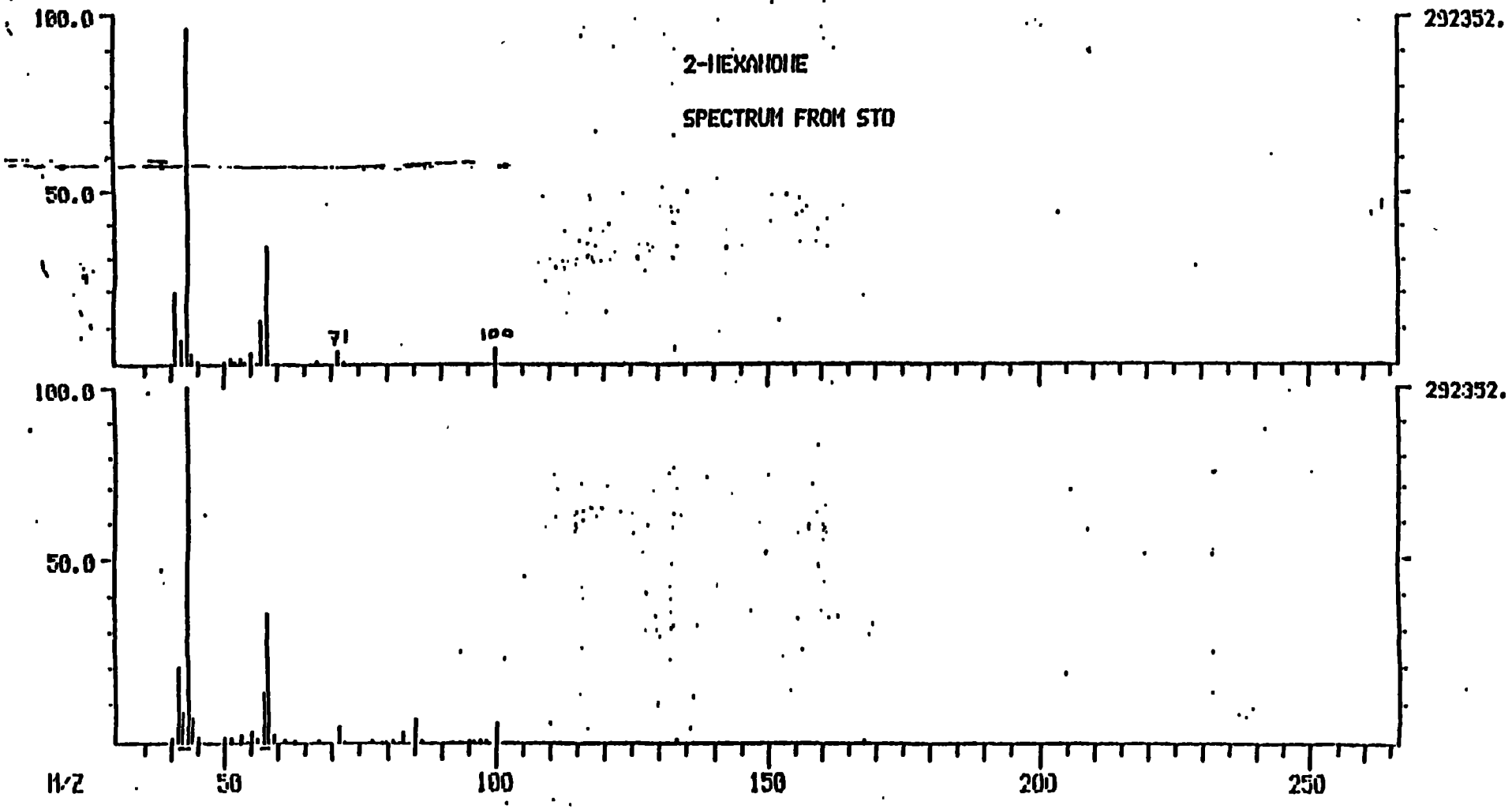
~~4-methyl-2-pentanone~~ 05/16/88 PPT
2-hexanone

02799

DUAL MASS SPECTRUM
10/13/86 10:30:00 + 23:23
SAMPLE: 50 PPB HSL STANDARD 9-29-86 100%/5ML
CONDS.:
ENHANCED (5 150 2H 0T)

DATA: STDJ190 0460
CALI: STDJ190 H1

BASE M/Z: 43/ 43
RIC: 549007./ 659455.



Processed VOA CLP

02800

4/28/88 12:06:04 SCAN 1 OF 730
Acquisition started

Acquire
04/28/88 12:05:00 + 0:03
Sample: WATER SCS VOA #030BWQ01
Conds.: GC DESC V3
Formula:
Submitted by: RMAL

Run 3:SCSW8954
Free sectors: 25352
Also CLP Method Blank
Instrument: 5100
Analyst: DC

Acquiring
Scan: 1 of 730
Weight: 0.024
Acct. No:

4-28-88

*** GC descriptor: V3 ***

GC temperature: 60 DegC
Elapsed time : 0: 7 min

Injector: 50 DegC
Interface: 220 DegC

Seq. #	Temp (DegC)	Rate (C/min)	Time (minutes) period	total
1	60- 60	-	2.0	2.0
2	60-250	7.0	27.1	29.1
3	250-250	-	10.0	39.1
4	250-250	-	0.0	39.1

Valve times (minutes)

	Open	Close
Sweep/Split	36.1	0.0
Divert	36.1	0.8

*** Scan Parameters ***

Low mass: 40 u
High mass: 260 u

Scan time (s)
Up: 2.95 L*
Down: 0.00 L

Hold time (s)
Top: 0.00
Bottom: 0.05

Cent S/P: 10 Actual: 67
Frag S/P: 10 Actual: 10

Samp int (ms): 0.200
Samp int (ms): 1.400

Peak width: 1000.
Inten/ion: 2

Min peak width: 3
ADC threshold: 1

Min frag width %: 81
Baseline: 0

Min area: 20

MODE: EI (+) Centroid + Temp

Interface number	0	
Sub-interface number	0	
# of acqu buffers	16	
Instrument type	Q	
Full scale mass	812	u
Zero scale mass	1	u
Intensity/ion	2	
Peak width	1000.	mmu
Offset at low mass	0	mmu
Offset at high mass	0	mmu
Voltage settling time(ms)	4	

Current instrument parameters.

	Positive ion mode	Negative ion mode
Resolution (high)	126.00	128.00
Resolution (low)	125.00	128.00
Ion energy	1.88	-4.00
Ion programming	5.41	-4.00
Lens voltage	-80.00	50.20
Extractor voltage	0.94	not used

Electron multiplier voltage: -2106.
Electrometer Range: 10 ^-7
Electrometer zero. -4.4

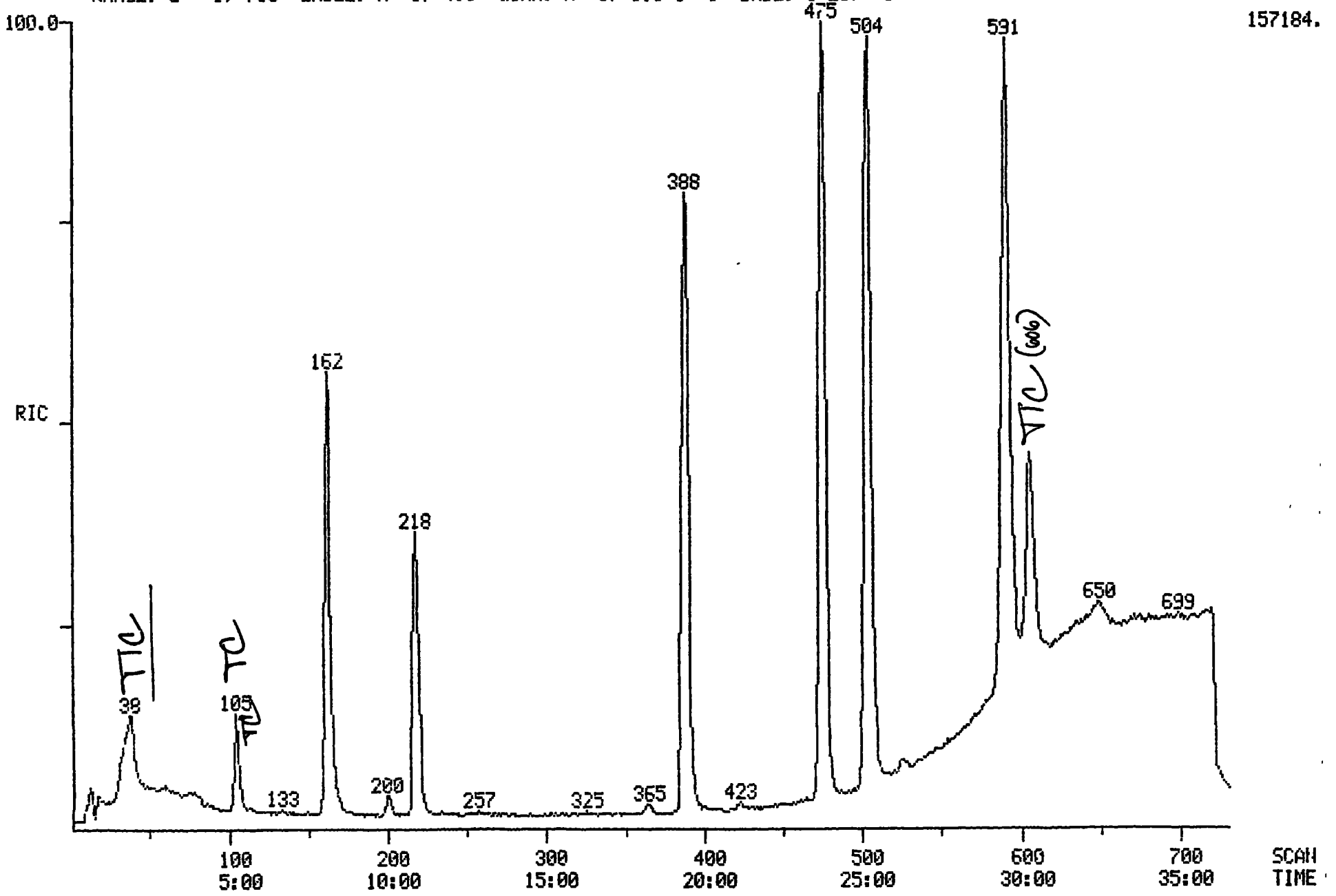
4/28/88 12:42:39
Acquisition completed
Scans 1 to 730 centroid

Mode	Scans	Secs	out of	%	Peaks per scan	per second	
Centroid	730	47.3	2190.0	2.2	18273.	25.	8.

0280i

RIC
04/28/88 12:05:00
SAMPLE: WATER SCS VOA #030BWQ01
CONDS.: GC DESC V3
RANGE: G 1, 730 LABEL: N 0, 4.0 QUAN: A 0, 1.0 J 0 BASE: U 20, 3

DATA: SCSW895A #4 SCANS 1 TO 730
CALI: 042888CW #1



PROCEDURE: TCA DIAGNOSTIC REPORT 4/28/88 13:22:10
DATA FILE. SCSW895A
REFERENCE: 11TABLE
NAME LIST: LLNL INITIALIZATION OPTION: 2 PROCESSING OPTION: 3
REPORT: ISO1

< ---- STANDARDS ----- ><				--- PLUS UNKNOWNS --- ><				- LIST NAMES - >
PROC	USED	POSS	RMS	PROC	USED	POSS	RMS	STANDARD/UNKNOWN
1	1	1	0	9	3	7	88	ISO1/TCO1
3	3	1	26	18	6	6	108	ISO2/TCO2
3	3	1	26	12	6	16	109	ISO3/TCO3
1	1	1	0	7	2	1	0	ISO4/TCO4

41 COMPOUNDS PROCESSED, 12 FOUND

< COMPOUND ><			---------- SEARCH ---------- >< SAT ><						------ CHRO ------- >			
NO	LID	ENTRY	REF	PRED	SEL	DELTA	PEAKS	FIT	PEAKS	M/Z	TOP	DELTA	PEAKS
1	V1	1	-163	162	162	.	1	962	.	128	162	.	1
2	V1	10	-32	27	.	.	.	.	.	50	.	.	
3	V1	15	-48	44	.	.	.	.	.	94	.	.	.
4	V1	25	-60	56	.	.	.	.	.	62	.	.	.
5	V1	35	-74	71	.	.	.	.	.	64	.	.	.
6	V1	45	-107	104	105	1	1	991	.	84	105	.	1
7	V1	50	-116	114	113	-1	7	1000	.	58	113	.	1
8	V1	65	-134	132	.	.	.	.	.	76	.	.	.
9	V1	80	-154	153	.	.	.	.	.	96	.	.	.
10	V2	1	-388	388	388	.	1	994	.	114	388	.	1
11	V3	1	-503	504	504	.	1	996	.	117	504	.	1
12	V1	90	-180	178	.	.	.	.	.	63	.	.	.
13	V1	95	-194	192	.	.	.	.	.	96	.	.	.
14	V1	100	-206	205	.	.	.	.	.	83	.	.	.
15	V1	2	-219	218	218	.	1	989	.	65	218	.	1
16	V2	10	-219	218	218	.	3	919	.	72	.	.	.
17	V1	110	-221	220	.	.	.	.	.	62	.	.	.
18	V2	15	-249	248	.	.	.	.	.	97	.	.	.
19	V2	20	-257	256	.	.	.	.	.	117	.	.	.
20	V2	25	-260	259	257	-2	2	970	.	43	.	.	.
21	V2	30	-268	267	.	.	.	.	.	83	.	.	.
22	V2	35	-299	298	.	.	.	.	.	63	.	.	
23	V2	40	-304	303	.	.	.	.	.	75	.	.	.
24	V2	45	-317	316	.	.	.	.	.	130	.	.	.
25	V2	60	-329	328	.	.	.	.	.	78	.	.	.
26	V2	50	-331	330	.	.	.	.	.	129	.	.	
27	V2	55	-333	332	.	.	.	.	.	97	.	.	.
28	V2	65	-334	333	.	.	.	.	.	75	.	.	.
29	V2	80	-393	392	.	.	.	.	.	173	.	.	
30	V3	10	-405	405	403	-2	4	921	.	58	.	.	.
31	V3	15	-441	441	441	.	4	952	.	58	.	.	.
32	V3	25	-448	448	.	.	.	.	.	83	.	.	.
33	V3	20	-449	449	.	.	.	.	.	164	.	.	.
34	V3	2	-476	476	475	-1	1	991	.	98	475	.	1
35	V3	35	-480	480	.	.	.	.	.	92	481	.	1
36	V3	40	-507	508	.	.	.	.	.	112	.	.	.
37	V3	50	-549	549	.	.	.	.	.	106	.	.	.
38	V3	3	-591	590	590	.	1	988	.	95	590	.	1
39	V3	55	-611	610	.	.	.	.	.	104	610	.	1
40	V3	60	-615	613	.	.	.	.	.	106	.	.	.
41	V3	75	-628	626	.	.	.	.	.	106	627	.	1

Quantitation Report File: SCSW895A

02803

Data. SCSW895A.TI
04/28/88 12:05:00
Sample: WATER SCS VOA #030BWQ01
Conds.: GC DESC V3
Formula: Instrument: 5100 Weight: 0.024
Submitted by: RMAL Analyst: DC Acct No.:

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

No	Name					
1	CI01	BROMOCHLOROMETHANE	128	IV1#	01	74-97-5
2	C010	CHLOROMETHANE	50	V1#	10SP	74-87-3
3	C015	BROMOMETHANE	94	V1#	15	74-83-9
4	C020	VINYL CHLORIDE	62	V1#	25	75-01-4
5	C025	CHLOROETHANE	64	V1#	35	75-00-3
6	C030	METHYLENE CHLORIDE	84	V1#	45	75-09-2
7	C035	ACETONE	58	V1#	50	67-64-1
8	C040	CARBON DISULFIDE	76	V1#	65	75-15-0
9	C045	1,1-DICHLOROETHENE	61	V1#	80	75-35-4
10	CI10	1,4-DIFLUOROBENZENE	114	IV2#	01	540-36-3
11	CI20	CHLOROBENZENE-D5	117	IV3#	01	3114-55-4
12	C050	1,1-DICHLOROETHANE	63	V1#	90	75-34-3
13	TRANS-1,2-DICHLOROETHENE		61	V1#	95	156-60-5
14	C060	CHLOROFORM	83	V1#	100CC	67-66-3
15	CS15	1,2-DICHLOROETHANE-D4	65	SV1#	02	17060-07-0
16	C110	2-BUTANONE	72	V2#	10	78-93-3
17	C065	1,2-DICHLOROETHANE	62	V1#	110	107-06-2
18	C115	1,1,1-TRICHLOROETHANE	97	V2#	15	71-55-6
19	C120	CARBONTETRACHLORIDE	117	V2#	20	56-23-5
20	C125	VINYL ACETATE	43	V2#	25	108-05-4
21	C130	BROMODICHLOROMETHANE	83	V2#	30	75-27-4
22	C140	1,2-DICHLOROPROPANE	63	V2#	35CC	78-87-5
23	C143	CIS-1,3-DICHLOROPROPENE	75	V2#	40	10061-01-5
24	C150	TRICHLOROETHENE	130	V2#	45	79-01-6
25	C165	BENZENE	78	V2#	60	71-43-2
26	C155	DIBROMOCHLOROMETHANE	129	V2#	50	124-48-1
27	C160	1,1,2-TRICHLOROETHANE	97	V2#	55	79-00-5
28	C172	TRANS-1,3-DICHLOROPROPE	75	V2#	65	10061-02-6
29	C180	BROMOFORM	173	V2#	80	75-25-2
30	C205	4-METHYL-2-PENTANONE	58	V3#	10	108-10-1
31	C210	2-HEXANONE	58	V3#	15	591-78-6
32	C225	1,1,2,2-TETRACHLOROETHA	83	V3#	25SP	79-34-5
33	C220	TETRACHLOROETHENE	164	V3#	20	127-18-4
34	CS05	TOLUENE-D8	98	SV3#	02	2037-26-5
35	C230	TOLUENE	92	V3#	35	108-88-3
36	C235	CHLOROBENZENE	112	V3#	40	108-90-7
37	C240	ETHYLBENZENE	106	V3#	50	100-41-4
38	CS10	BROMOFLUOROBENZENE	95	SV3#	03	460-00-4
39	C245	STYRENE	104	V3#	55	100-42-5
40	M-XYLENE		106	V3#	60	108-38-3
41	O+P XYLENES		106	V3#	75	

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount		%Tot
1	128	162	8:06	1	1.000	A BV	38761.	50.000	UG/L	15.63
2	NOT FOUND									
3	NOT FOUND									
4	NOT FOUND									
5	NOT FOUND									
6	84	105	5:15	1	0.648	A BB	12468.	7.608	UG/L	2.38
7	58	113	5:39	1	0.698	A VB	800.	6.178	UG/L	1.93
8	NOT FOUND									
9	NOT FOUND									
10	114	388	19:24	10	1.000	A BB	231796.	50.000	UG/L	15.63
11	117	504	25:12	11	1.000	A BB	213592.	50.000	UG/L	15.63
12	NOT FOUND									
13	NOT FOUND									
14	NOT FOUND									
15	65	218	10:54	1	1.346	A BB	72359.	47.173	UG/L	14.74
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	98	475	23:45	11	0.942	A BB	233530.	52.864	UG/L	16.52
35	92	481	24:03	11	0.954	A BB	189.	0.070	UG/L	0.02
36	NOT FOUND									
37	NOT FOUND									
38	95	590	29:30	11	1.171	A BB	138877.	56.009	UG/L	17.50
39	104	610	30:30	11	1.210	A BB	152.	0.051	UG/L	0.02
40	NOT FOUND									
41	106	627	31:21	11	1.244	A BB	97.	0.054	UG/L	0.02

No	Ret(L)	Ratio	RRT(L)	Ratio	Amnt	Amnt(L)	R.Fac	R.Fac(L)	Ratio
1	8:12	0.99	1.000	1.00	50.00	50.00	1.000	1.000	1.00
2	1:36		0.195						
3	2:24		0..293						
4	3:00		0.366						
5	3:42		0.451						
6	5:21	0.98	0.652	0.99	7.61	50.00	0.322	2.114	0.15
7	5:48	0.97	0.707	0.99	6.18	50.00	0.021	0.167	0.12
8	6:42		0.817						
9	7:42		0.939						
10	19:27	1.00	1.000	1.00	50.00	50.00	1.000	1.000	1.00
11	25:12	1.00	1.000	1.00	50.00	50.00	1.000	1.000	1.00
12	9:00		1.098						
13	9:42		1.183						

No	Ret(L)	Ratio	RRT(L)	Ratio	Amnt	Amnt(L)	R.Fac	R.Fac(L)	Ratio
14	10:18		1.256						
15	10:57	1.00	1.335	1.01	47.17	50.00	1.867	1.979	0.94
16	10:57		0.563						
17	11:03		1.348						
18	12:27		0.640						
19	12:51		0.661						
20	13:00		0.668						
21	13:24		0.689						
22	14:57		0.769						
23	15:12		0.781						
24	15:51		0.815						
25	16:27		0.846						
26	16:33		0.851						
27	16:39		0.856						
28	16:42		0.859						
29	19:39		1.010						
30	20:15		0.804						
31	22:03		0.875						
32	22:24		0.889						
33	22:27		0.891						
34	23:48	1.00	0.944	1.00	52.86	50.00	1.093	1.034	1.06
35	24:00	1.00	0.952	1.00	0.07	50.00	0.001	0.636	0.00
36	25:21		1.006						
37	27:27		1.089						
38	29:33	1.00	1.173	1.00	56.01	50.00	0.650	0.580	1.12
39	30:33	1.00	1.212	1.00	0.05	50.00	0.001	0.703	0.00
40	30:45		1.220						
41	31:24	1.00	1.246	1.00	0.05	50.00	0.000	0.418	0.00

TCA FINISHED, 12 FOUND
FINISHED AT. 4/28/88 13:26:21

02806

RMAL QUANTITATION SUMMARY FILE: SCSW895A
COMPOUNDS WITH AMOUNTS LESS THAN 1.00 REPORTED AS NOT FOUND

UNITS: UG/L

NO	LIBRARY ENTRY	NAME	MASS	SCAN	REF	AREA	RRF	AMOUNT
1	V1# 1	CI01 BROMOCHLOROMETHANE	128	162	1	38761.	1.000	50.000
2	V2# 1	CI10 1,4-DIFLUOROBENZENE	114	388	2	231796.	1.000	50.000
3	V3# 1	CI20 CHLOROBENZENE-D5	117	504	3	213592.	1.000	50.000
4	V3# 2	CS05 TOLUENE-D8	98	475	3	233530.	1.093	52.864
5	V3# 3	CS10 BROMOFLUOROBENZENE	95	590	3	138877.	0.650	56.009
6	V1# 2	CS15 1,2-DICHLOROETHANE-	65	218	1	72359.	1.867	47.173
7	V1# 10	C010 CHLOROMETHANE	50		1	NOT FOUND		
8	V1# 15	C015 BROMOMETHANE	94		1	NOT FOUND		
9	V1# 25	C020 VINYL CHLORIDE	62		1	NOT FOUND		
10	V1# 35	C025 CHLOROETHANE	64		1	NOT FOUND		
11	V1# 45	C030 METHYLENE CHLORIDE	84	105	1	12468.	0.322	7.608
12	V1# 50	C035 ACETONE	58	113	1	800.	0.021	6.178
13	V1# 65	C040 CARBON DISULFIDE	76		1	NOT FOUND		
14	V1# 80	C045 1,1-DICHLOROETHENE	96		1	NOT FOUND		
15	V1# 90	C050 1,1-DICHLOROETHANE	63		1	NOT FOUND		
16	V1# 95	TRANS-1,2-DICHLOROETHENE	96		1	NOT FOUND		
17	V1#100	C060 CHLOROFORM	83		1	NOT FOUND		
18	V1#110	C065 1,2-DICHLOROETHANE	62		1	NOT FOUND		
19	V2# 10	C110 2-BUTANONE	72		2	NOT FOUND		
20	V2# 15	C115 1,1,1-TRICHLOROETHA	97		2	NOT FOUND		
21	V2# 20	C120 CARBONTETRACHLORIDE	117		2	NOT FOUND		
22	V2# 25	C125 VINYL ACETATE	43		2	NOT FOUND		
23	V2# 30	C130 BROMODICHLOROMETHAN	83		2	NOT FOUND		
24	V2# 35	C140 1,2-DICHLOROPROPANE	63		2	NOT FOUND		
25	V2# 40	C143 CIS-1,3-DICHLOROPRO	75		2	NOT FOUND		
26	V2# 45	C150 TRICHLOROETHENE	130		2	NOT FOUND		
27	V2# 50	C155 DIBROMOCHLOROMETHAN	129		2	NOT FOUND		
28	V2# 55	C160 1,1,2-TRICHLOROETHA	97		2	NOT FOUND		
29	V2# 60	C165 BENZENE	78		2	NOT FOUND		
30	V2# 65	C172 TRANS-1,3-DICHLOROP	75		2	NOT FOUND		
31	V2# 80	C180 BROMOFORM	173		2	NOT FOUND		
32	V3# 10	C205 4-METHYL-2-PENTANON	58		3	NOT FOUND		
33	V3# 15	C210 2-HEXANONE	58		3	NOT FOUND		
34	V3# 20	C220 TETRACHLOROETHENE	164		3	NOT FOUND		
35	V3# 25	C225 1,1,2,2-TETRACHLORO	83		3	NOT FOUND		
36	V3# 35	C230 TOLUENE	92		3	NOT FOUND		
37	V3# 40	C235 CHLOROBENZENE	112		3	NOT FOUND		
38	V3# 50	C240 ETHYLBENZENE	106		3	NOT FOUND		
39	V3# 55	C245 STYRENE	104		3	NOT FOUND		
40	V3# 60	M-XYLENE	106		3	NOT FOUND		
41	V3# 75	O+P XYLENES	106		3	NOT FOUND		

1/2.

See Report
Surr. not updated here.
DC
6-28-88

Quantitation Report File. SCSW895A

02807

Data. SCSW895A.TI
04/28/88 12 05:00
Sample: WATER SCS VOA #030BWQ01
Conds.. GC DESC V3
Formula: Instrument. 5100 Weight: 0.024
Submitted by: RMAL Analyst: DC Acct. No.:

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

No	Name			
1	CI01 BROMOCHLOROMETHANE	128	IV1# 01	74-97-5
2	CI10 1,4-DIFLUOROBENZENE	114	IV2# 01	540-36-3
3	CI20 CHLOROBENZENE-D5	117	IV3# 01	3114-55-4
4	CS05 TOLUENE-D8	98	SV3# 02	2037-26-5
5	CS10 BROMOFLUOROBENZENE	95	SV3# 03	460-00-4
6	CS15 1,2-DICHLOROETHANE-D4	65	SV1# 02	17060-07-0
7	C010 CHLOROMETHANE	50	V1# 10SP	74-87-3
8	C015 BROMOMETHANE	94	V1# 15	74-83-9
9	C020 VINYL CHLORIDE	62	V1# 25	75-01-4
10	C025 CHLOROETHANE	64	V1# 35	75-00-3
11	C030 METHYLENE CHLORIDE	84	V1# 45	75-09-2
12	C035 ACETONE	58	V1# 50	67-64-1
13	C040 CARBON DISULFIDE	76	V1# 65	75-15-0
14	C045 1,1-DICHLOROETHENE	61	V1# 80	75-35-4
15	C050 1,1-DICHLOROETHANE	63	V1# 90	75-34-3
16	TRANS-1,2-DICHLOROETHENE	61	V1# 95	156-60-5
17	C060 CHLOROFORM	83	V1#100CC	67-66-3
18	C065 1,2-DICHLOROETHANE	62	V1#110	107-06-2
19	C110 2-BUTANONE	72	V2# 10	78-93-3
20	C115 1,1,1-TRICHLOROETHANE	97	V2# 15	71-55-6
21	C120 CARBONTETRACHLORIDE	117	V2# 20	56-23-5
22	C125 VINYL ACETATE	43	V2# 25	108-05-4
23	C130 BROMODICHLOROMETHANE	83	V2# 30	75-27-4
24	C140 1,2-DICHLOROPROPANE	63	V2# 35CC	78-87-5
25	C143 CIS-1,3-DICHLOROPROPENE	75	V2# 40	10061-01-5
26	C150 TRICHLOROETHENE	130	V2# 45	79-01-6
27	C155 DIBROMOCHLOROMETHANE	129	V2# 50	124-48-1
28	C160 1,1,2-TRICHLOROETHANE	97	V2# 55	79-00-5
29	C165 BENZENE	78	V2# 60	71-43-2
30	C172 TRANS-1,3-DICHLOROPROPE	75	V2# 65	10061-02-6
31	C180 BROMOFORM	173	V2# 80	75-25-2
32	C205 4-METHYL-2-PENTANONE	58	V3# 10	108-10-1
33	C210 2-HEXANONE	58	V3# 15	591-78-6
34	C220 TETRACHLOROETHENE	164	V3# 20	127-18-4
35	C225 1,1,2,2-TETRACHLOROETHA	83	V3# 25SP	79-34-5
36	C230 TOLUENE	92	V3# 35	108-88-3
37	C235 CHLOROBENZENE	112	V3# 40	108-90-7
38	C240 ETHYLBENZENE	106	V3# 50	100-41-4
39	C245 STYRENE	104	V3# 55	100-42-5
40	M-XYLENE	106	V3# 60	108-38-3
41	O+P XYLENES	106	V3# 75	

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount		%Tot
1	128	162	8:06	1	1.000	A BV	38761.	50.000	UG/L	15.66
2	114	388	19:24	2	1.000	A BB	231796.	50.000	UG/L	15.66
3	117	504	25:12	3	1.000	A BB	213592.	50.000	UG/L	15.66
4	98	475	23:45	3	0.942	A BB	233530.	52.864	UG/L	16.56
5	95	590	29:30	3	1.171	A BB	138877.	55.482	UG/L	17.38
6	65	218	10:54	1	1.346	A BB	72359.	47.173	UG/L	14.77
7	NOT FOUND									
8	NOT FOUND									
9	NOT FOUND									
10	NOT FOUND									
11	84	105	5:15	1	0.648	A BB	12468.	7.608	UG/L	2.38
12	58	113	5:39	1	0.698	A VB	800.	6.178	UG/L	1.93
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									

No	Ret(L)	Ratio	RRT(L)	Ratio	Amnt	Amnt(L)	R.Fac	R.Fac(L)	Ratio
1	8:12	0.99	1.000	1.00	50.00	50.00	1.000	1.000	1.00
2	19:27	1.00	1.000	1.00	50.00	50.00	1.000	1.000	1.00
3	25:12	1.00	1.000	1.00	50.00	50.00	1.000	1.000	1.00
4	23:48	1.00	0.944	1.00	52.86	50.00	1.093	1.034	1.06
5	29:33	1.00	1.173	1.00	55.48	50.00	0.650	0.586	1.11
6	10:57	1.00	1.335	1.01	47.17	50.00	1.867	1.979	0.94
7	1:36		0.195						
8	2:24		0.293						
9	3:00		0.366						
10	3:42		0.451						
11	5:21	0.98	0.652	0.99	7.61	50.00	0.322	2.114	0.15
12	5:48	0.97	0.707	0.99	6.18	50.00	0.021	0.167	0.12
13	6:42		0.817						

No	Ret(L)	Ratio	RRT(L)	Ratio	Amnt	Amnt(L)	R.Fac	R.Fac(L)	Ratio
14	7:42		0.939						
15	9:00		1.098						
16	9:42		1.183						
17	10:18		1.256						
18	11:03		1.348						
19	10:57		0.563						
20	12:27		0.640						
21	12:51		0.661						
22	13:00		0.668						
23	13:24		0.689						
24	14:57		0.769						
25	15:12		0.781						
26	15:51		0.815						
27	16:33		0.851						
28	16:39		0.856						
29	16:27		0.846						
30	16:42		0.859						
31	19:39		1.010						
32	20:15		0.804						
33	22:03		0.875						
34	22:27		0.891						
35	22:24		0.889						
36	24:00		0.952						
37	25:21		1.006						
38	27:27		1.089						
39	30:33		1.212						
40	30:45		1.220						
41	31:24		1.246						

02810

RMAL QUANTITATION SUMMARY FILE. SCSW895A
COMPOUNDS WITH AMOUNTS LESS THAN 1.00 REPORTED AS NOT FOUND

UNITS: UG/L

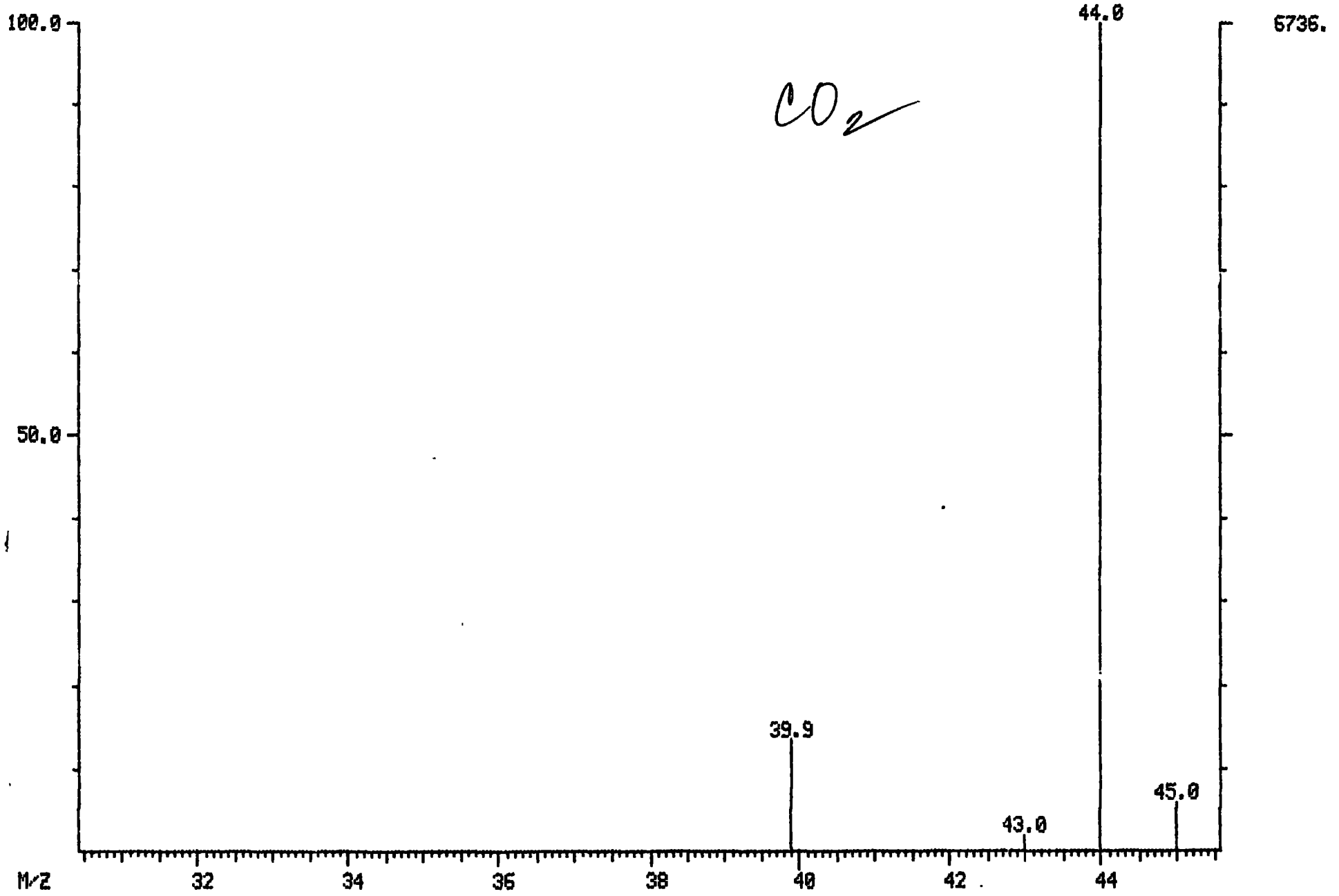
NO	LIBRARY ENTRY	NAME	MASS	SCAN	REF	AREA	RRF	AMOUNT
1	V1# 1	CI01 BROMOCHLOROMETHANE	128	162	1	38761.	1.000	50.000
2	V2# 1	CI10 1,4-DIFLUOROBENZENE	114	388	2	231796.	1.000	50.000
3	V3# 1	CI20 CHLOROBENZENE-D5	117	504	3	213592.	1.000	50.000
4	V3# 2	CS05 TOLUENE-D8	98	475	3	233530.	1.093	52.864
5	V3# 3	CS10 BROMOFLUOROBENZENE	95	590	3	138877.	0.650	55.482
6	V1# 2	CS15 1,2-DICHLOROETHANE-	65	218	1	72359.	1.867	47.173
7	V1# 10	C010 CHLOROMETHANE	50		1	NOT FOUND		
8	V1# 15	C015 BROMOMETHANE	94		1	NOT FOUND		
9	V1# 25	C020 VINYL CHLORIDE	62		1	NOT FOUND		
10	V1# 35	C025 CHLOROETHANE	64		1	NOT FOUND		
11	V1# 45	C030 METHYLENE CHLORIDE	84	105	1	12468	0.322	7.608
12	V1# 50	C035 ACETONE	58	113	1	800.	0.021	6.178
13	V1# 65	C040 CARBON DISULFIDE	76		1	NOT FOUND		
14	V1# 80	C045 1,1-DICHLOROETHENE	96		1	NOT FOUND		
15	V1# 90	C050 1,1-DICHLOROETHANE	63		1	NOT FOUND		
16	V1# 95	TRANS-1,2-DICHLOROETHENE	96		1	NOT FOUND		
17	V1#100	C060 CHLOROFORM	83		1	NOT FOUND		
18	V1#110	C065 1,2-DICHLOROETHANE	62		1	NOT FOUND		
19	V2# 10	C110 2-BUTANONE	72		2	NOT FOUND		
20	V2# 15	C115 1,1,1-TRICHLOROETHA	97		2	NOT FOUND		
21	V2# 20	C120 CARBONTETRACHLORIDE	117		2	NOT FOUND		
22	V2# 25	C125 VINYL ACETATE	43		2	NOT FOUND		
23	V2# 30	C130 BROMODICHLOROMETHAN	83		2	NOT FOUND		
24	V2# 35	C140 1,2-DICHLOROPROPANE	63		2	NOT FOUND		
25	V2# 40	C143 CIS-1,3-DICHLOROPRO	75		2	NOT FOUND		
26	V2# 45	C150 TRICHLOROETHENE	130		2	NOT FOUND		
27	V2# 50	C155 DIBROMOCHLOROMETHAN	129		2	NOT FOUND		
28	V2# 55	C160 1,1,2-TRICHLOROETHA	97		2	NOT FOUND		
29	V2# 60	C165 BENZENE	78		2	NOT FOUND		
30	V2# 65	C172 TRANS-1,3-DICHLOROP	75		2	NOT FOUND		
31	V2# 80	C180 BROMOFORM	173		2	NOT FOUND		
32	V3# 10	C205 4-METHYL-2-PENTANON	58		3	NOT FOUND		
33	V3# 15	C210 2-HEXANONE	58		3	NOT FOUND		
34	V3# 20	C220 TETRACHLOROETHENE	164		3	NOT FOUND		
35	V3# 25	C225 1,1,2,2-TETRACHLORO	83		3	NOT FOUND		
36	V3# 35	C230 TOLUENE	92		3	NOT FOUND		
37	V3# 40	C235 CHLOROBENZENE	112		3	NOT FOUND		
38	V3# 50	C240 ETHYLBENZENE	106		3	NOT FOUND		
39	V3# 55	C245 STYRENE	104		3	NOT FOUND		
40	V3# 60	M-XYLENE	106		3	NOT FOUND		
41	V3# 75	O+P XYLENES	106		3	NOT FOUND		

0281i

MASS SPECTRUM
04/28/88 12:05:00 + 0:36
SAMPLE: WATER SCS VOA #030BWQ01
CONDS.: GC DESC V3
GC TEMP: 60 DEG. C

DATA: SCSW895A #12
CALI: 042888CW #1

BASE M/Z: 44
RIC: 8168.



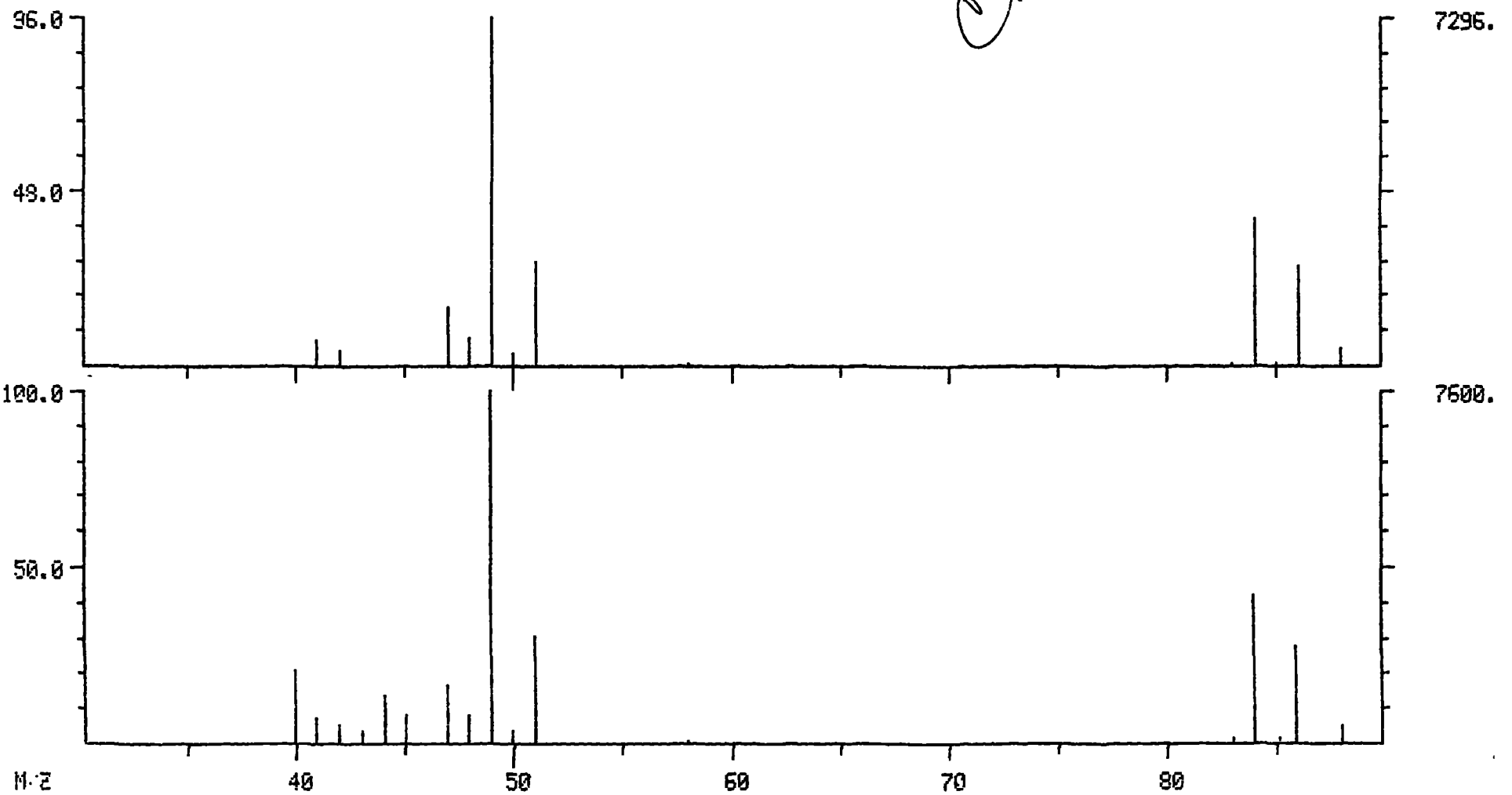
02812

DUAL MASS SPECTRUM
04/28/88 12:05:00 + 5:15
SAMPLE: WATER SCS VOA #030BWQ01
CONDS.: GC DESC V3
GC TEMP: 83 DEG. C
ENHANCED (S 15B 2N 0T)

DATA: SCSW895A #105
CALI: 042888CW #1

BASE M/Z: 49/ 49
RIC: 18111./ 22527.

CH_2Cl_2



02813

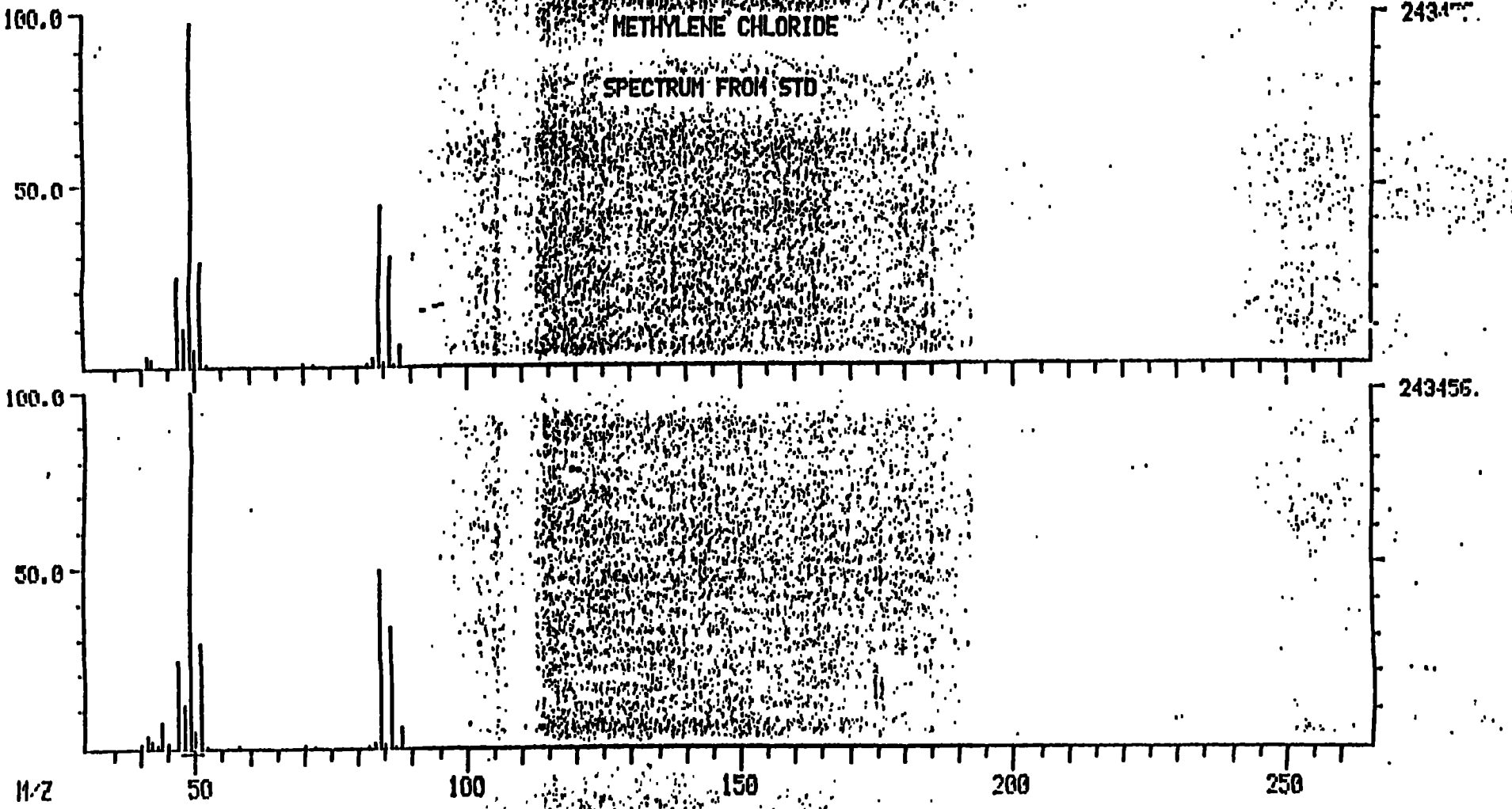
DUAL MASS SPECTRUM
10/13/86 10:38:00 + 6:55
SAMPLE: 50 PPB HSL STANDARD 9-29-86 100Z/5ML
COMDS.:
ENHANCED (S 15B 2N 0T)

DATA: STDJ198 #136
CALI: STDJ198 #1

BASE M/Z: 49/ 49
RIC: 615423./ 678911.

METHYLENE CHLORIDE

SPECTRUM FROM STD

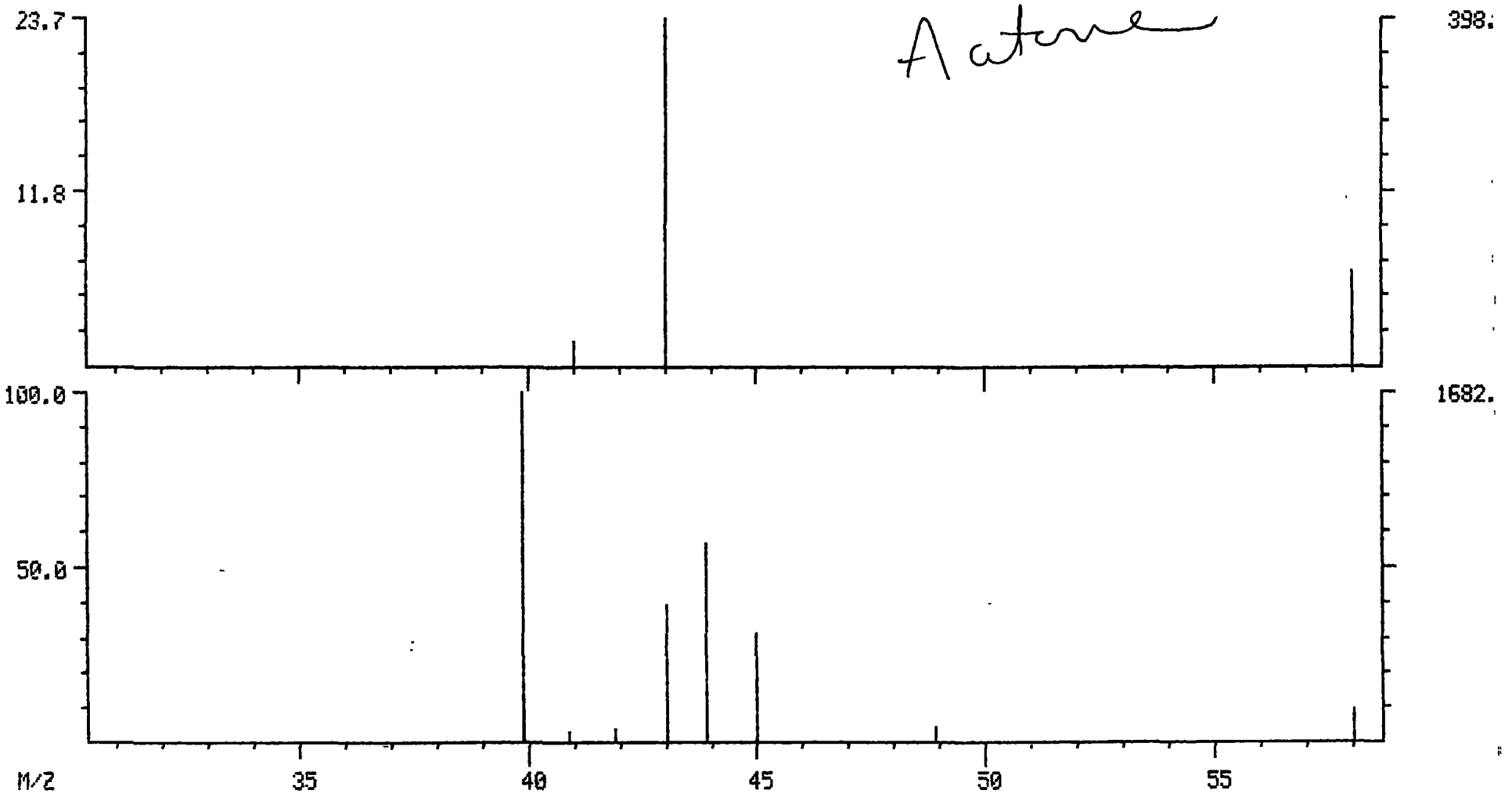


02814

DUAL MASS SPECTRUM
04/28/88 12:05:00 + 5:39
SAMPLE: WATER SCS VOA #030BWQ01
CONDS.: GC DESC V3
GC TEMP: 86 DEG. C
ENHANCED (S 15B 2N 0T)

DATA: SCSW895A #113
CALI: 042888CW #1

BASE M/Z: 43/ 40
RIC: 532./ 4167.

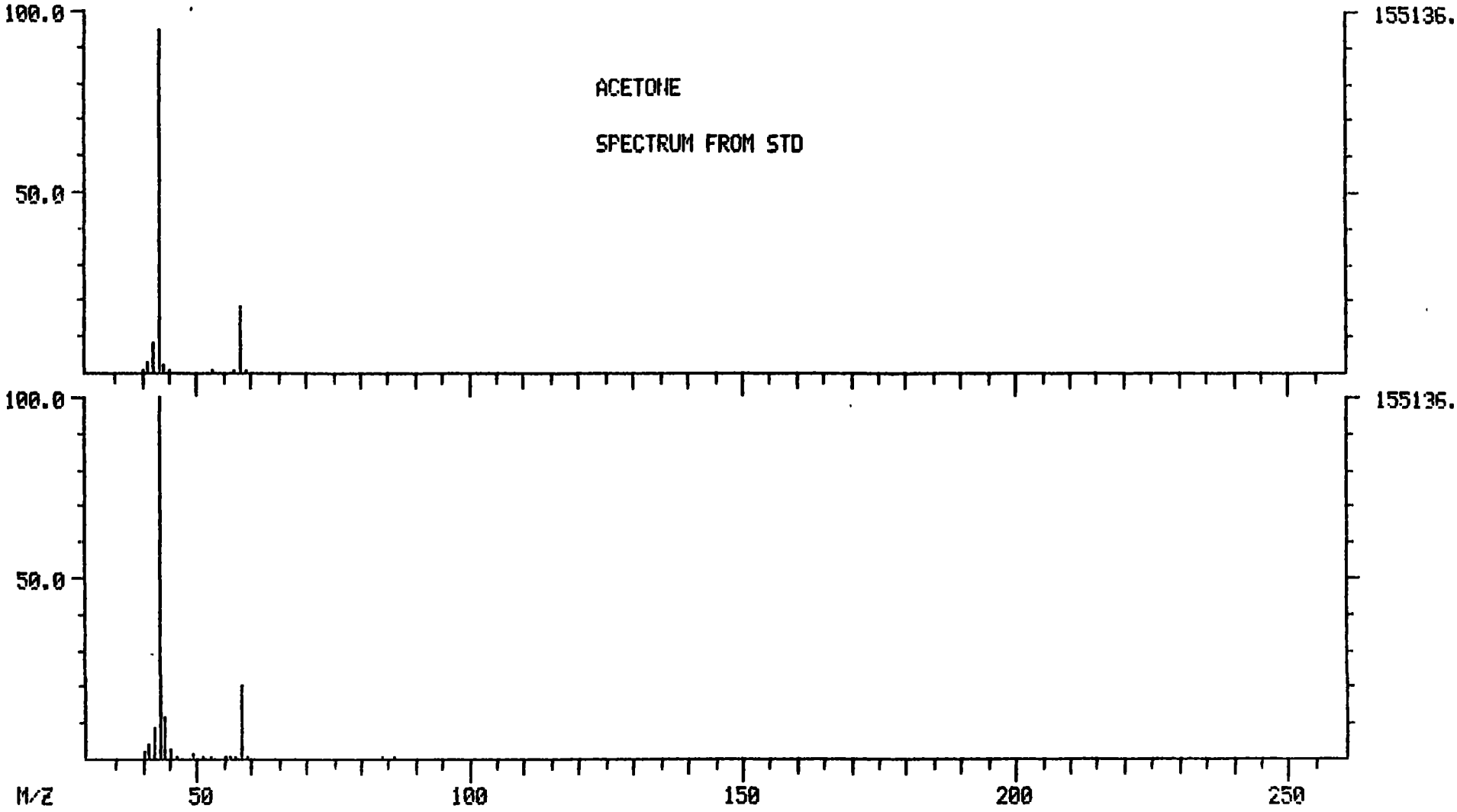


02815

DUAL MASS SPECTRUM
10/13/86 10:38:00 + 7:37
SAMPLE: 50 PPB HSL STANDARD 9-29-86 100Z/5ML
CONDS.:
ENHANCED (S 15B 2N 0T)

DATA: STDJ198 #150
CALI: STDJ198 #1

BASE M/Z: 43/ 43
RIC: 199935./ 247807.



Quantitation Report File: TEMP

02816

Data: SCSW895A.TI
04/28/88 12:05:00
Sample: WATER SCS VOA #030BWQ01
Conds.: GC DESC V3
Formula: Instrument: 5100 Weight: 0.024
Submitted by: RMAL Analyst: DC Acct. No.:

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

No	CAS #	Name
1	0-00-0	UNKNOWN
2	0-00-0	UNKNOWN
3	0-00-0	UNKNOWN
4	23436-19-3	2-PROPANOL, 1-(2-METHYLPROPOXY)-

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount	%Tot
1	RIC	162	8:06	3	0.321	A BB	359129.	48.684	18.83
2	RIC	388	19:24	3	0.770	A BB	573468.	77.740	30.07
3	RIC	504	25:12	3	1.000	A BB	737674.	100.000	38.67
4	RIC	606	30:18	3	1.202	A VB	237152.	32.149	12.43

~~33~~ µg/l

$\left(\frac{237152}{\cancel{359129}}\right)$ 50 µg/l = 16 µg/l

737674

AV 6988

02817

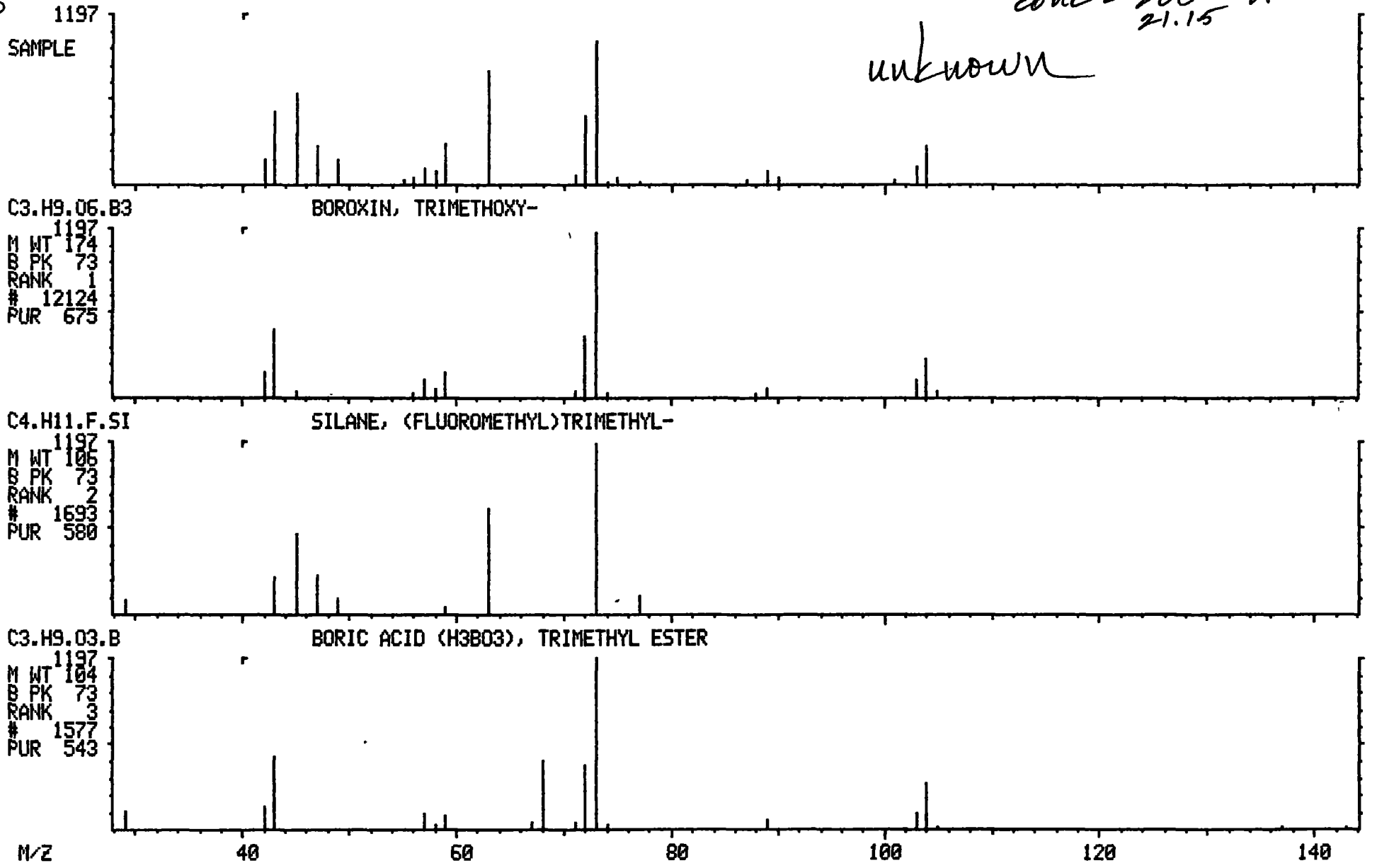
LIBRARY SEARCH
04/28/88 12:05:00 + 1:54
SAMPLE: WATER SCS VOA #030BWQ01
CONDS.: GC DESC V3
ENHANCED (S 15B 2N 0T)

DATA: SCSW895A # 38
CALI: 042888CW # 1

BASE M/Z: 73
RIC: 10751.

area = 1518916
conc = ~~300~~ 21.15 6.6.88

unknown

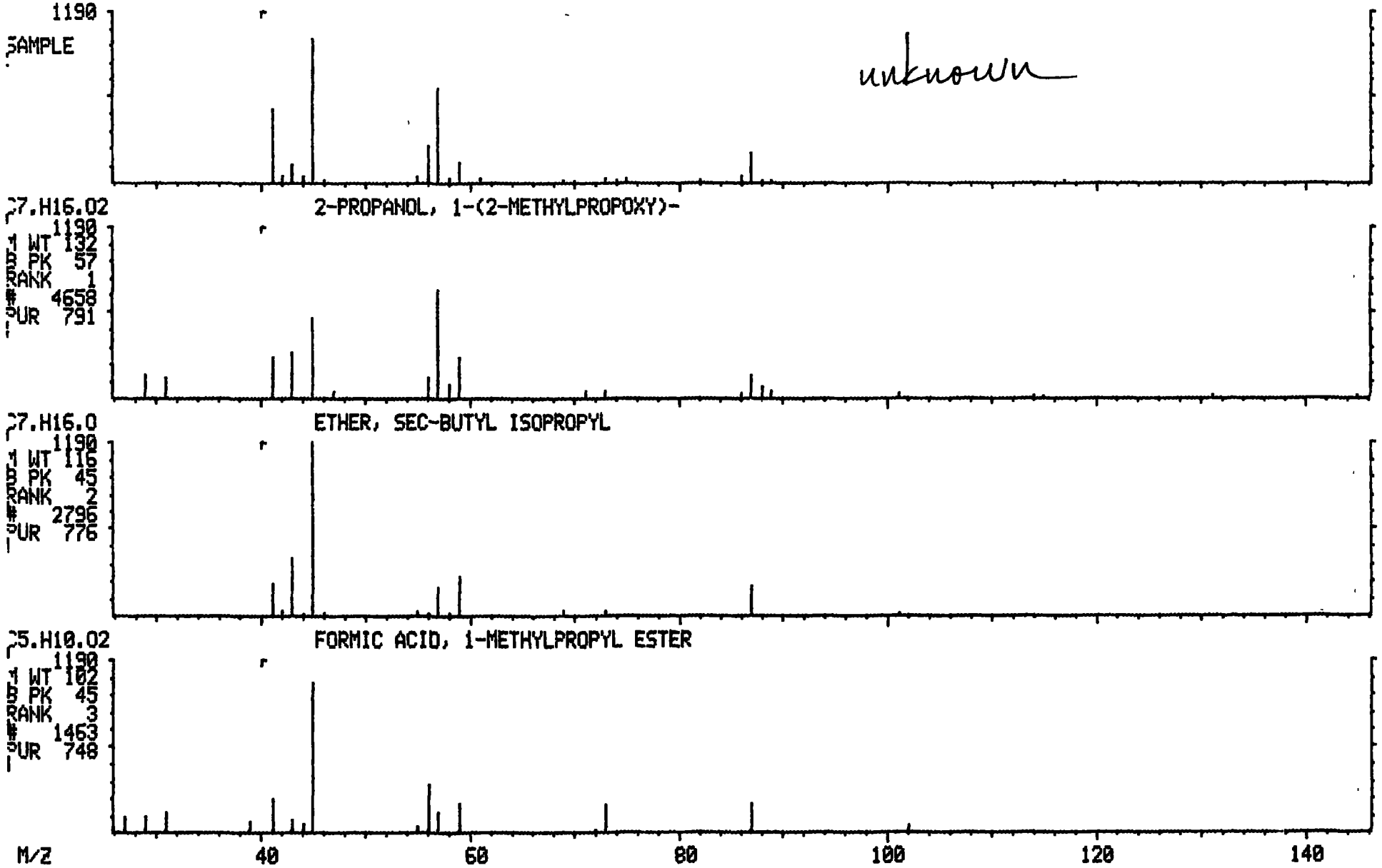


02818

LIBRARY SEARCH
04/28/88 12:05:00 + 30:18
SAMPLE: WATER SCS VOA #0308WQ01
CONDS.: GC DESC V3
ENHANCED (S 15B 2N 0T)

DATA: SCSW895A # 606
CALI: 042888CW # 1

BASE M/Z: 45
RIC: 36287.



Proceed VOA CLP
OK

4/28/88 19:50:28 SCAN 1 OF 730
Acquisition started

Acquire
04/28/88 19:49:00 + 0:03
Sample: METHOD BLANK (~~ALSO SCS VBAM030DW901~~) 4-29-88
Conds.: GC DESC V3
Formula:
Submitted by: RMAL

Run 3:BLW904
Free sectors: 23190
Instrument: 5100
Analyst: DC

Acquiring
Scan. 1 of 730

02819

Weight: 0.025
Acct. No:

*** GC descriptor: V3 ***

GC temperature: 60 DegC
Elapsed time : 0: 7 min

Injector: 50 DegC
Interface: 220 DegC

Seq. #	Temp (DegC)	Rate (C/min)	Time (minutes) period	total
1	60- 60	-	2.0	2.0
2	60-250	7.0	27.1	29.1
3	250-250	-	10.0	39.1
4	250-250	-	0.0	39.1

Valve times (minutes)

	Open	Close
Sweep/Split	36.1	0.0
Divert	36.1	0.8

*** Scan Parameters ***

Low mass: 40 u
High mass: 260 u

Scan time (s)
Up: 2.95 L*
Down: 0.00 L

Hold time (s)
Top: 0.00
Bottom: 0.05

Cent S/P: 10 Actual: 67
Frag S/P: 10 Actual: 10

Samp int (ms): 0.200
Samp int (ms): 1.400

Peak width: 1000.
Inten/ion: 2

Min peak width: 3
ADC threshold: 1

Min frag width %: 81
Baseline: 0

Min area: 20

MODE: EI (+) Centroid + Temp

Interface number	0	
Sub-interface number	0	
# of acqu buffers	16	
Instrument type	Q	
Full scale mass	812	u
Zero scale mass	1	u
Intensity/ion	2	
Peak width	1000.	mmu
Offset at low mass	0	mmu
Offset at high mass	0	mmu
Voltage settling time(ms)	4	

Current instrument parameters.

	Positive ion mode	Negative ion mode
Resolution (high)	126.00	128.00
Resolution (low)	125.00	128.00
Ion energy	1.88	-4.00
Ion programming	5.41	-4.00
Lens voltage	-80.00	50.20
Extractor voltage	0.94	not used

Electron multiplier voltage: -2106.
Electrometer Range: 10 ^-7
Electrometer zero: -4.4

4/28/88 20:27:01
Acquisition completed
Scans 1 to 730 centroid

Mode	Scans	Secs	out of	%	Peaks per scan	per second	
Centroid	730	49.3	2190.0	2.3	19592.	27.	9.

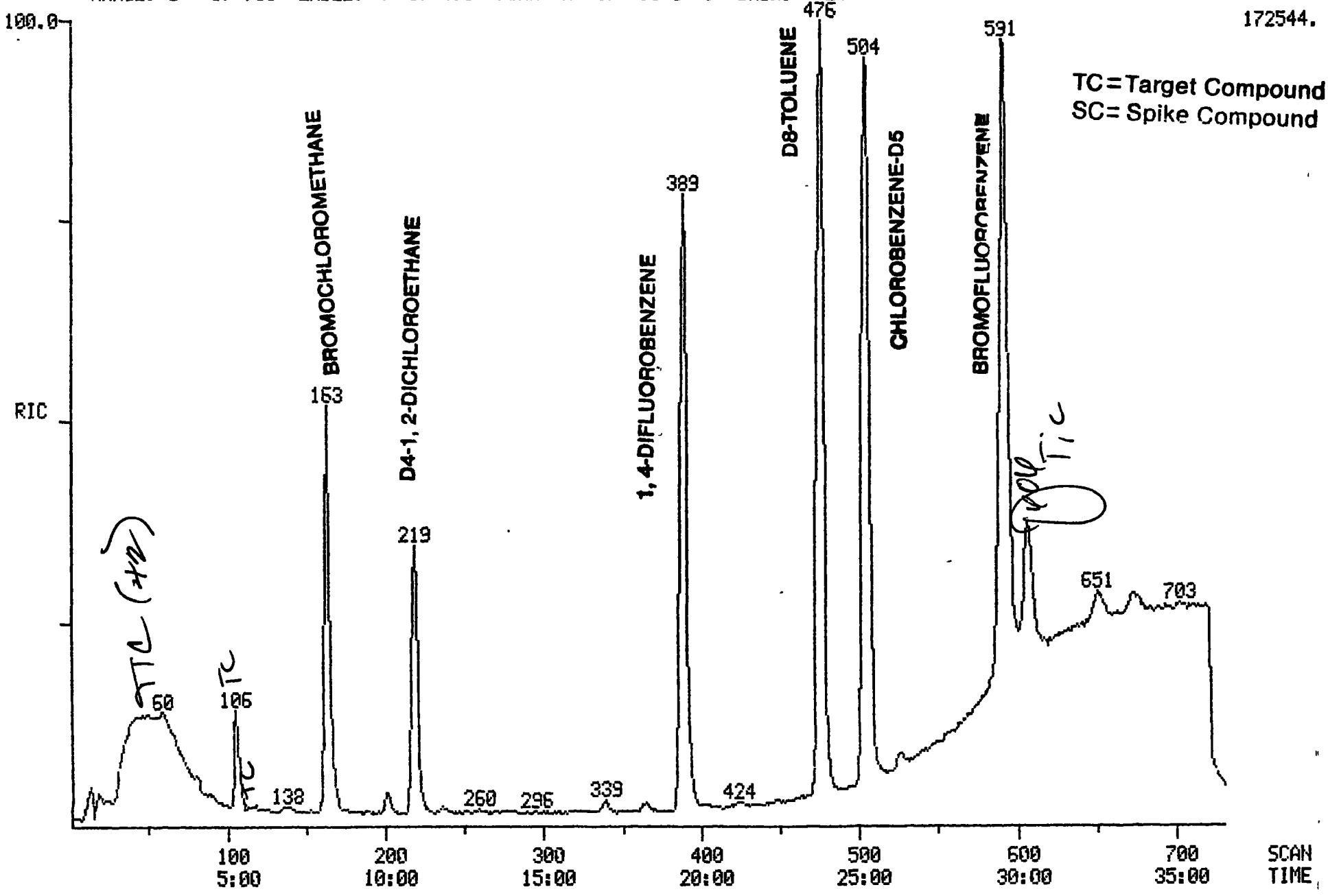
02820

RIC
04/28/88 19:49:00
SAMPLE: METHOD BLANK ~~(ALSO SGS VOA#030BW001)~~ DC 4-29-88
CONDS.: GC DESC V3
RANGE: G 1, 730 LABEL: N 0, 4.0 QUAN: A 0, 1.0 J 0 BASE: U 20, 3

DATA: BLW904 #4
CALI: 042888CW #1

SCANS 1 TO 730

TIC=Tentatively Identified Compound



PROCEDURE TCA DIAGNOSTIC REPORT 4/29/88 4:21.24
DATA FILE. BLW904
REFERENCE: 11TABLE
NAME LIST. LLNL INITIALIZATION OPTION: 2 PROCESSING OPTION: 3 02821
REPORT: ISO1

< ---- STANDARDS ----- >				< --- PLUS UNKNOWNS --- >				< - LIST NAMES - >
PROC	USED	POSS	RMS	PROC	USED	POSS	RMS	STANDARD/UNKNOWN
1	1	1	0	9	3	5	140	ISO1/TCO1
3	3	2	27	18	6	8	79	ISO2/TCO2
3	3	1	27	12	6	9	55	ISO3/TCO3
1	1	1	0	7	2	1	0	ISO4/TCO4

41 COMPOUNDS PROCESSED, 12 FOUND

< COMPOUND >			< ---------- SEARCH ---------- >					< SAT >		< ------ CHRO ------- >			
NO	LIB	ENTRY	REF	PRED	SEL	DELTA	PEAKS	FIT	PEAKS	M/Z	TOP	DELTA	PEAKS
1	V1	1	-163	163	163	.	1	962	.	128	163	.	1
2	V1	10	-33	33	.	.	.	.	.	50	.	.	.
3	V1	15	-48	48	.	.	.	.	.	94	.	.	
4	V1	25	-59	59	.	.	.	.	.	62	.	.	.
5	V1	35	-73	73	.	.	.	.	.	64	.	.	.
6	V1	45	-107	107	106	-1	1	990	.	84	106	.	1
7	V1	50	-116	116	117	1	5	1000	.	58	117	.	1
8	V1	65	-133	133	.	.	.	.	.	76	.	.	.
9	V1	80	-154	154	.	.	.	.	.	96	.	.	.
10	V2	1	-388	389	389	.	1	993	.	114	389	.	1
11	V3	1	-503	504	504	.	2	997	.	117	504	.	1
12	V1	90	-180	180	.	.	.	.	.	63	.	.	.
13	V1	95	-194	194	.	.	.	.	.	96	.	.	
14	V1	100	-206	206	.	.	.	.	.	83	.	.	.
15	V1	2	-219	219	219	.	1	987	.	65	219	.	1
16	V2	10	-219	219	220	1	4	920	.	72	219	-1	1
17	V1	110	-221	221	.	.	.	.	.	62	.	.	.
18	V2	15	-249	249	.	.	.	.	.	97	.	.	.
19	V2	20	-258	258	.	.	.	.	.	117	.	.	.
20	V2	25	-260	260	259	-1	2	967	.	43	.	.	
21	V2	30	-268	268	.	.	.	.	.	83	.	.	.
22	V2	35	-299	299	.	.	.	.	.	63	.	.	.
23	V2	40	-305	305	.	.	.	.	.	75	.	.	.
24	V2	45	-317	317	.	.	.	.	.	130	.	.	.
25	V2	60	-330	330	.	.	.	.	.	78	330	.	1
26	V2	50	-331	331	.	.	.	.	.	129	.	.	.
27	V2	65	-334	334	.	.	.	.	.	75	.	.	.
28	V2	55	-334	334	.	.	.	.	.	97	.	.	.
29	V2	80	-394	394	.	.	.	.	.	173	.	.	.
30	V3	10	-405	406	405	-1	3	920	.	58	407	2	1
31	V3	15	-442	443	443	.	3	956	.	58	442	-1	1
32	V3	25	-448	449	.	.	.	.	.	83	448	.	1
33	V3	20	-449	450	.	.	.	.	.	164	.	.	.
34	V3	2	-476	477	476	-1	1	992	.	98	476	.	1
35	V3	35	-480	481	.	.	.	.	.	92	.	.	.
36	V3	40	-507	508	.	.	.	.	.	112	.	.	
37	V3	50	-550	550	.	.	.	.	.	106	.	.	.
38	V3	3	-591	591	591	.	1	991	.	95	591	.	1
39	V3	55	-612	612	.	.	.	.	.	104	611	.	1
40	V3	60	-616	616	.	.	.	.	.	106	.	.	.
41	V3	75	-629	629	.	.	.	.	.	106	627	.	1

Quantitation Report File: BLW904

02822

Data: BLW904.TI
04/28/88 19:49:00
Sample: METHOD BLANK ~~(AL90-SGS-VOA#030BW001)~~ DC 4-29-88
Conds.: GC DESC V3
Formula: Instrument: 5100 Weight. 0.025
Submitted by: RMAL Analyst: DC Acct. No.:

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

No	Name				
1	CI01 BROMOCHLOROMETHANE	128	IV1#	01	74-97-5
2	CO10 CHLOROMETHANE	50	V1#	10SP	74-87-3
3	CO15 BROMOMETHANE	94	V1#	15	74-83-9
4	CO20 VINYL CHLORIDE	62	V1#	25	75-01-4
5	CO25 CHLOROETHANE	64	V1#	35	75-00-3
6	CO30 METHYLENE CHLORIDE	84	V1#	45	75-09-2
7	CO35 ACETONE	58	V1#	50	67-64-1
8	CO40 CARBON DISULFIDE	76	V1#	65	75-15-0
9	CO45 1,1-DICHLOROETHENE	61	V1#	80	75-35-4
10	CI10 1,4-DIFLUOROBENZENE	114	IV2#	01	540-36-3
11	CI20 CHLOROBENZENE-D5	117	IV3#	01	3114-55-4
12	CO50 1,1-DICHLOROETHANE	63	V1#	90	75-34-3
13	TRANS-1,2-DICHLOROETHENE	61	V1#	95	156-60-5
14	CO60 CHLOROFORM	83	V1#	100CC	67-66-3
15	CS15 1,2-DICHLOROETHANE-D4	65	SV1#	02	17060-07-0
16	C110 2-BUTANONE	72	V2#	10	78-93-3
17	CO65 1,2-DICHLOROETHANE	62	V1#	110	107-06-2
18	C115 1,1,1-TRICHLOROETHANE	97	V2#	15	71-55-6
19	C120 CARBONTETRACHLORIDE	117	V2#	20	56-23-5
20	C125 VINYL ACETATE	43	V2#	25	108-05-4
21	C130 BROMODICHLOROMETHANE	83	V2#	30	75-27-4
22	C140 1,2-DICHLOROPROPANE	63	V2#	35CC	78-87-5
23	C143 CIS-1,3-DICHLOROPROPENE	75	V2#	40	10061-01-5
24	C150 TRICHLOROETHENE	130	V2#	45	79-01-6
25	C165 BENZENE	78	V2#	60	71-43-2
26	C155 DIBROMOCHLOROMETHANE	129	V2#	50	124-48-1
27	C172 TRANS-1,3-DICHLOROPROPE	75	V2#	65	10061-02-6
28	C160 1,1,2-TRICHLOROETHANE	97	V2#	55	79-00-5
29	C180 BROMOFORM	173	V2#	80	75-25-2
30	C205 4-METHYL-2-PENTANONE	58	V3#	10	108-10-1
31	C210 2-HEXANONE	58	V3#	15	591-78-6
32	C225 1,1,2,2-TETRACHLOROETHA	83	V3#	25SP	79-34-5
33	C220 TETRACHLOROETHENE	164	V3#	20	127-18-4
34	CS05 TOLUENE-D8	98	SV3#	02	2037-26-5
35	C230 TOLUENE	92	V3#	35	108-88-3
36	C235 CHLOROBENZENE	112	V3#	40	108-90-7
37	C240 ETHYLBENZENE	106	V3#	50	100-41-4
38	CS10 BROMOFLUOROBENZENE	95	SV3#	03	460-00-4
39	C245 STYRENE	104	V3#	55	100-42-5
40	M-XYLENE	106	V3#	60	108-38-3
41	O+P XYLENES	106	V3#	75	

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount		%Tot
1	128	163	8:09	1	1.000	A BB	38141.	50.000	UG/L	15.68
2	NOT FOUND									
3	NOT FOUND									
4	NOT FOUND									
5	NOT FOUND									
6	84	106	5:18	1	0.650	A BB	12537.	7.242	UG/L	2.27
7	58	117	5:51	1	0.718	A BB	981.	7.242	UG/L	2.27
8	NOT FOUND									
9	NOT FOUND									
10	114	389	19:27	10	1.000	A BB	239190.	50.000	UG/L	15.68
11	117	504	25:12	11	1.000	A BB	228759.	50.000	UG/L	15.68
12	NOT FOUND									
13	NOT FOUND									
14	NOT FOUND									
15	65	219	10:57	1	1.344	A BB	75846.	48.794	UG/L	15.30
16	72	219	10:57	10	0.563	A BB	59.	0.338	UG/L	0.11
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	78	330	16:30	10	0.848	A BB	61.	0.012	UG/L	0.00
26	NOT FOUND									
27	NOT FOUND									
28	NOT FOUND									
29	NOT FOUND									
30	58	407	20:21	11	0.808	A BB	227	0.314	UG/L	0.10
31	58	442	22:06	11	0.877	A BB	270.	0.355	UG/L	0.11
32	83	448	22:24	11	0.889	A BB	393.	0.142	UG/L	0.04
33	NOT FOUND									
34	98	476	23:48	11	0.944	A BB	253884.	51.549	UG/L	16.16
35	NOT FOUND									
36	NOT FOUND									
37	NOT FOUND									
38	95	591	29:33	11	1.173	A BB	149241.	52.833	UG/L	16.56
39	104	611	30:33	11	1.212	A BB	496.	0.134	UG/L	0.04
40	NOT FOUND									
41	106	627	31:21	11	1.244	A BB	71.	0.034	UG/L	0.01

No	Ret(L)	Ratio	RRT(L)	Ratio	Amnt	Amnt(L)	R.Fac	R.Fac(L)	Ratio
1	8:12	0.99	1.000	1.00	50.00	50.00	1.000	1.000	1.00
2	1:39		0.201						
3	2:24		0.293						
4	2:57		0.360						
5	3:39		0.445						
6	5:21	0.99	0.652	1.00	7.24	50.00	0.329	2.269	0.14
7	5:48	1.01	0.707	1.01	7.24	50.00	0.026	0.178	0.14
8	6:39		0.811						
9	7:42		0.939						
10	19:27	1.00	1.000	1.00	50.00	50.00	1.000	1.000	1.00
11	25:12	1.00	1.000	1.00	50.00	50.00	1.000	1.000	1.00
12	9:00		1.098						
13	9:42		1.183						

No	Ret(L)	Ratio	RRT(L)	Ratio	Amnt	Amnt(L)	R. Fac	R. Fac(L)	Ratio
14	10:18		1.256						
15	10:57	1.00	1.335	1.01	48.79	50.00	1.989	2.038	0.98
16	10:57	1.00	0.563	1.00	0.34	50.00	0.000	0.036	0.01
17	11:03		1.348						
18	12:27		0.640						
19	12:54		0.663						
20	13:00		0.668						
21	13:24		0.689						
22	14:57		0.769						
23	15:15		0.784						
24	15:51		0.815						
25	16:30	1.00	0.848	1.00	0.01	50.00	0.000	1.029	0.00
26	16:33		0.851						
27	16:42		0.859						
28	16:42		0.859						
29	19:42		1.013						
30	20:15	1.00	0.804	1.00	0.31	50.00	0.001	0.158	0.01
31	22:06	1.00	0.877	1.00	0.35	50.00	0.001	0.167	0.01
32	22:24	1.00	0.889	1.00	0.14	50.00	0.002	0.603	0.00
33	22:27		0.891						
34	23:48	1.00	0.944	1.00	51.55	50.00	1.110	1.076	1.03
35	24:00		0.952						
36	25:21		1.006						
37	27:30		1.091						
38	29:33	1.00	1.173	1.00	52.83	50.00	0.652	0.617	1.06
39	30:36	1.00	1.214	1.00	0.13	50.00	0.002	0.807	0.00
40	30:48		1.222						
41	31:27	1.00	1.248	1.00	0.03	50.00	0.000	0.458	0.00

02825

TCA FINISHED, 12 FOUND
FINISHED AT. 4/29/88 4:25.26

RMAL QUANTITATION SUMMARY FILE: BLW904
COMPOUNDS WITH AMOUNTS LESS THAN 1.00 REPORTED AS NOT FOUND

UNITS: UG/L

NO	LIBRARY ENTRY	NAME	MASS	SCAN	REF	AREA	RRF	AMOUNT
1	V1# 1	CI01 BROMOCHLOROMETHANE	128	163	1	38141.	1.000	50.000
2	V2# 1	CI10 1,4-DIFLUOROBENZENE	114	389	2	239190.	1.000	50.000
3	V3# 1	CI20 CHLOROBENZENE-D5	117	504	3	228759.	1.000	50.000
4	V3# 2	CS05 TOLUENE-D8	98	476	3	253884.	1.110	51.549
5	V3# 3	CS10 BROMOFLUOROBENZENE	95	591	3	149241.	0.652	52.833
6	V1# 2	CS15 1,2-DICHLOROETHANE-	65	219	1	75846.	1.989	48.794
7	V1# 10	C010 CHLOROMETHANE	50		1	NOT FOUND		
8	V1# 15	C015 BROMOMETHANE	94		1	NOT FOUND		
9	V1# 25	C020 VINYL CHLORIDE	62		1	NOT FOUND		
10	V1# 35	C025 CHLOROETHANE	64		1	NOT FOUND		
11	V1# 45	C030 METHYLENE CHLORIDE	84	106	1	12537.	0.329	7.242
12	V1# 50	C035 ACETONE	58	117	1	981.	0.026	7.242
13	V1# 65	C040 CARBON DISULFIDE	76		1	NOT FOUND		
14	V1# 80	C045 1,1-DICHLOROETHENE	96		1	NOT FOUND		
15	V1# 90	C050 1,1-DICHLOROETHANE	63		1	NOT FOUND		
16	V1# 95	TRANS-1,2-DICHLOROETHENE	96		1	NOT FOUND		
17	V1#100	C060 CHLOROFORM	83		1	NOT FOUND		
18	V1#110	C065 1,2-DICHLOROETHANE	62		1	NOT FOUND		
19	V2# 10	C110 2-BUTANONE	72		2	NOT FOUND		
20	V2# 15	C115 1,1,1-TRICHLOROETHA	97		2	NOT FOUND		
21	V2# 20	C120 CARBONTETRACHLORIDE	117		2	NOT FOUND		
22	V2# 25	C125 VINYL ACETATE	43		2	NOT FOUND		
23	V2# 30	C130 BROMODICHLOROMETHAN	83		2	NOT FOUND		
24	V2# 35	C140 1,2-DICHLOROPROPANE	63		2	NOT FOUND		
25	V2# 40	C143 CIS-1,3-DICHLOROPRO	75		2	NOT FOUND		
26	V2# 45	C150 TRICHLOROETHENE	130		2	NOT FOUND		
27	V2# 50	C155 DIBROMOCHLOROMETHAN	129		2	NOT FOUND		
28	V2# 55	C160 1,1,2-TRICHLOROETHA	97		2	NOT FOUND		
29	V2# 60	C165 BENZENE	78		2	NOT FOUND		
30	V2# 65	C172 TRANS-1,3-DICHLOROP	75		2	NOT FOUND		
31	V2# 80	C180 BROMOFORM	173		2	NOT FOUND		
32	V3# 10	C205 4-METHYL-2-PENTANON	58		3	NOT FOUND		
33	V3# 15	C210 2-HEXANONE	58		3	NOT FOUND		
34	V3# 20	C220 TETRACHLOROETHENE	164		3	NOT FOUND		
35	V3# 25	C225 1,1,2,2-TETRACHLORO	83		3	NOT FOUND		
36	V3# 35	C230 TOLUENE	92		3	NOT FOUND		
37	V3# 40	C235 CHLOROBENZENE	112		3	NOT FOUND		
38	V3# 50	C240 ETHYLBENZENE	106		3	NOT FOUND		
39	V3# 55	C245 STYRENE	104		3	NOT FOUND		
40	V3# 60	M-XYLENE	106		3	NOT FOUND		
41	V3# 75	O+P XYLENES	106		3	NOT FOUND		

W.
4.2.88

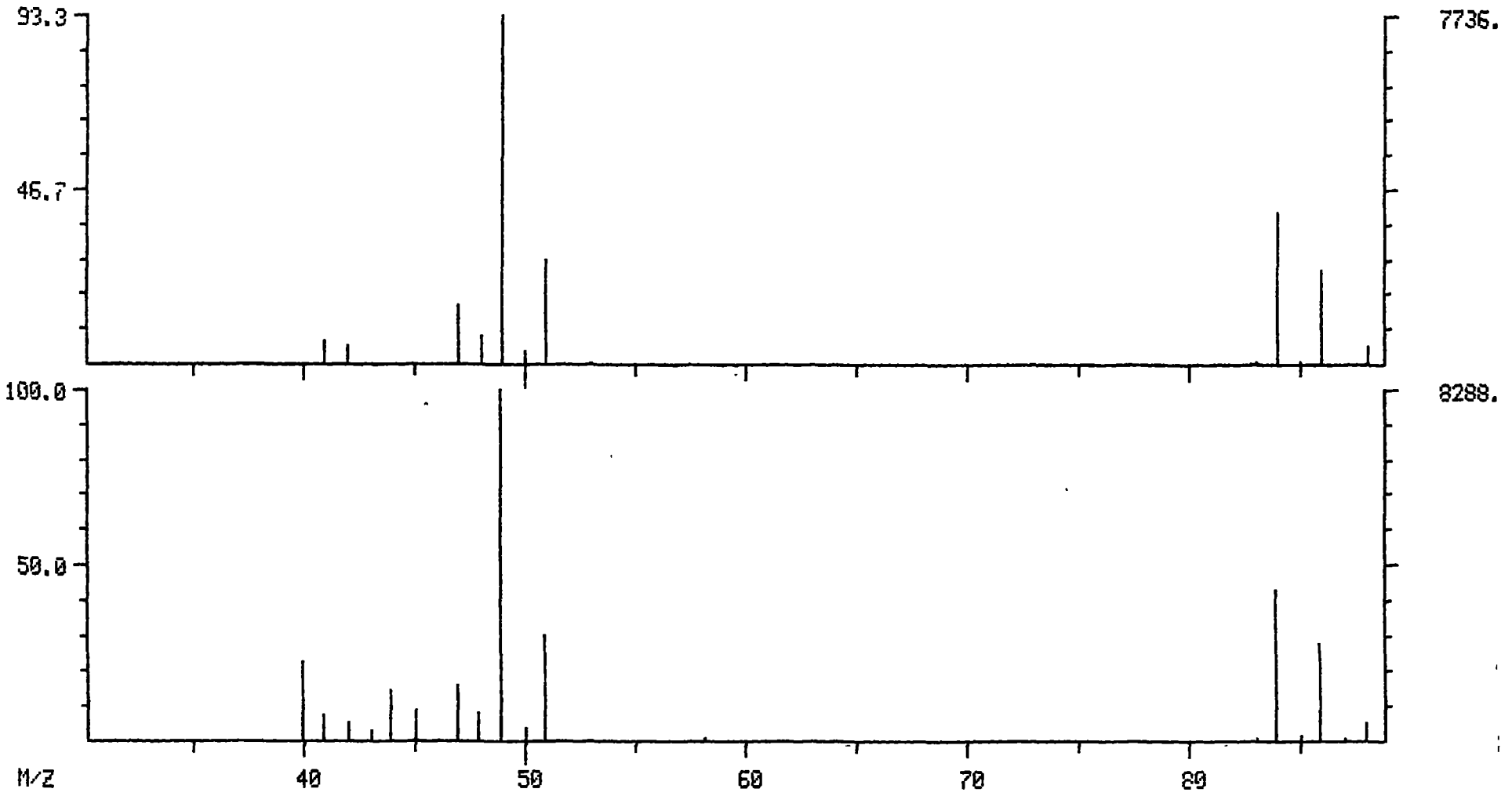
02826

DUAL MASS SPECTRUM
04/28/88 19:49:00 + 5:18
SAMPLE: METHOD BLANK (~~ALSO SCS VOA#030DWQ01~~) DC 4-29-88
CONDS.: GC DESC U3
GC TEMP: 83 DEG. C
ENHANCED (S 15B 2N 0T)

DATA: BLW304 #106
CALI: 042888CW #1

BASE M/Z: 49/ 49
RIC: 19135./ 24671.

CH_2Cl_2



02827

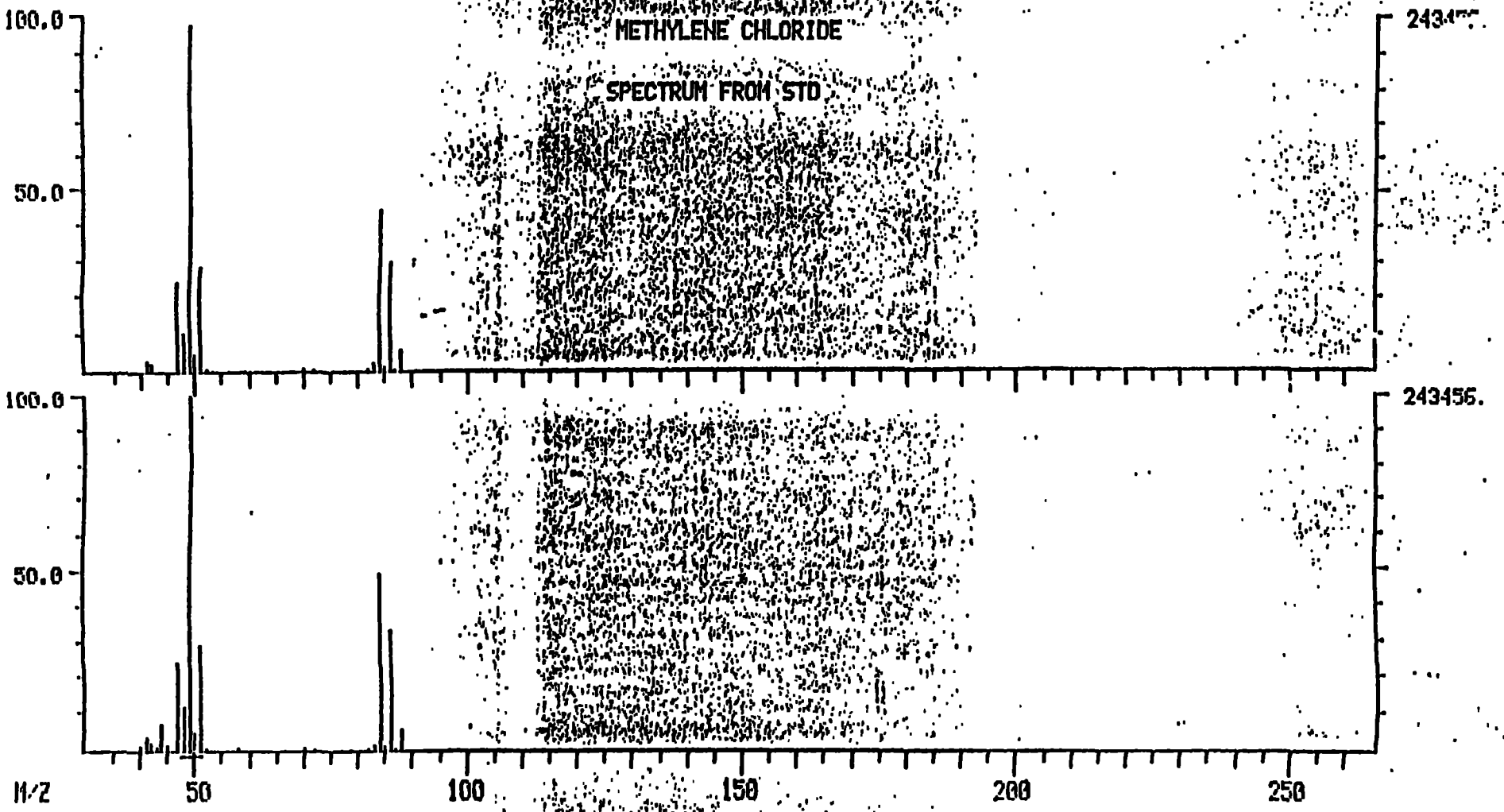
DUAL MASS SPECTRUM
10/13/86 10:38:00 + 6:55
SAMPLE: 50 PPB HSL STANDARD 9-29-86 100%/5ML
CONDS.:
ENHANCED (S 15B 2N 0T)

DATA: STDJ198 #136
CALI: STDJ198 #1

BASE M/Z: 49/ 49
RIC: 615423./ 678311.

METHYLENE CHLORIDE

SPECTRUM FROM STD

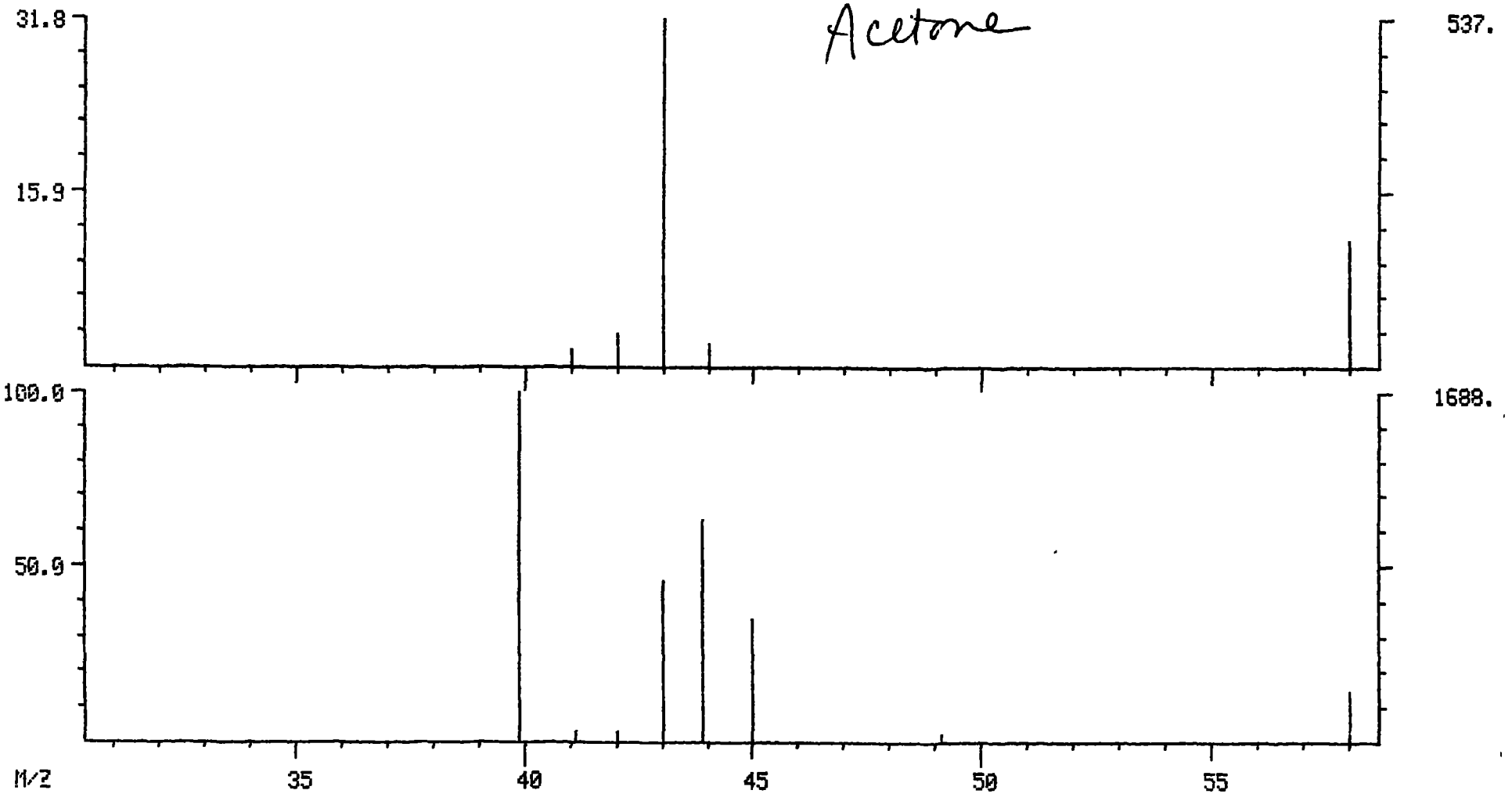


02828

DUAL MASS SPECTRUM
04/28/88 19:49:00 + 5:51
SAMPLE: METHOD BLANK ~~(ALSO SCS V0A#030DWQ01)~~ DC 4-29-88
CONDS.: GC DESC V3
GC TEMP: 87 DEG. C
ENHANCED (S 15B 2N 0T)

DATA: BLW904 #117
CALI: 042888CW #1

BASE M/Z: 43/ 40
RIC: 842./ 4511.

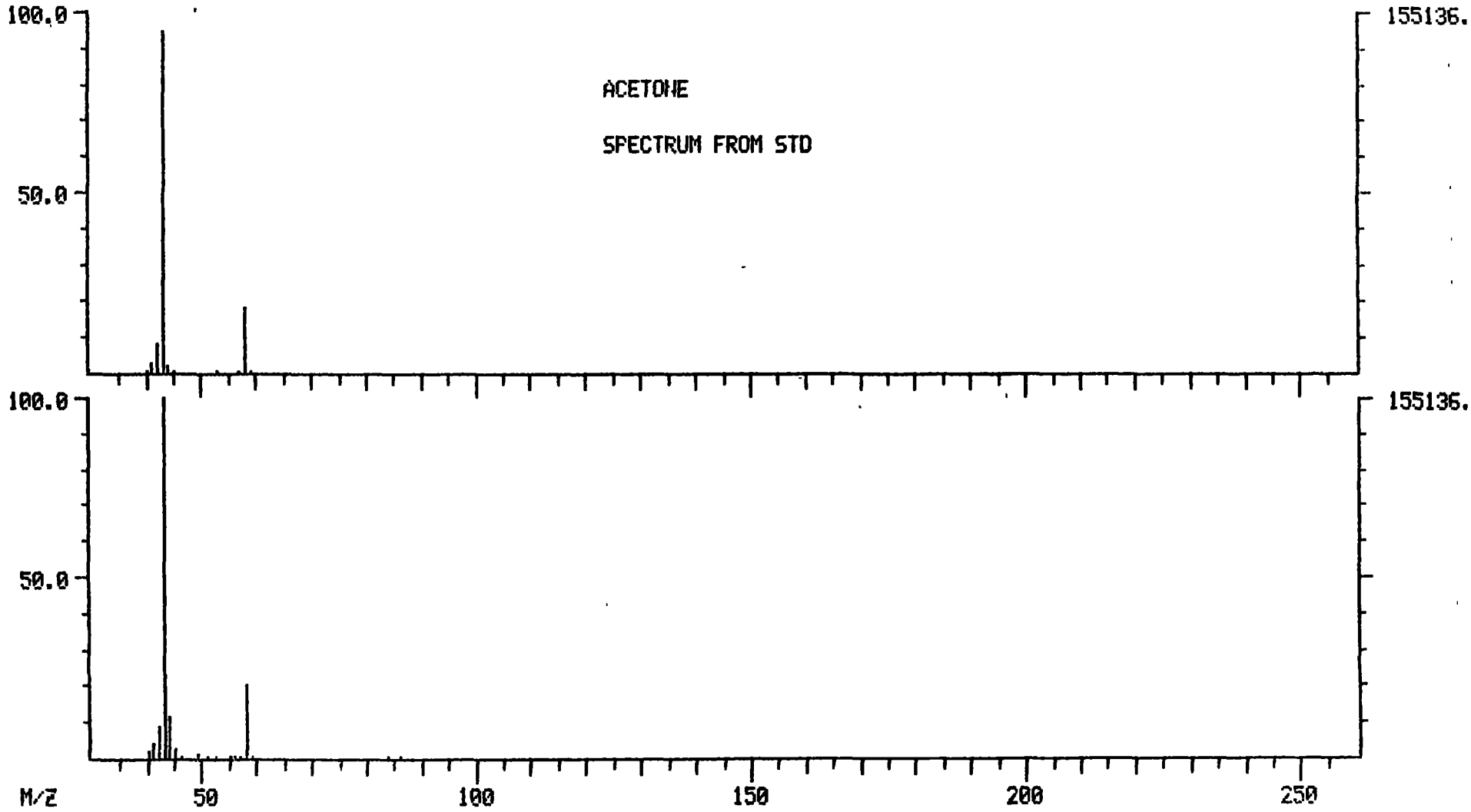


02829

DUAL MASS SPECTRUM
10/13/86 10:38:00 + 7:37
SAMPLE: 50 PPB HSL STANDARD 9-29-86 100%/5ML
CONDS.:
ENHANCED (S 15B 2N 0T)

DATA: STDJ198 #150
CALI: STDJ198 #1

BASE M/Z: 43/ 43
RIC: 199935./ 247807.



Quantitation Report File: TEMP

02830

Data: BLW904.TI
04/28/88 19:49:00
Sample: METHOD BLANK (ALSO SCS VOA#030DWQ01)
Conds.: GC DESC V3
Formula: Instrument: 5100 Weight: 0.025
Submitted by: RMAL Analyst: DC Acct. No.:

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

No	CAS #	Name
1	0-00-0	UNKNOWN
2	0-00-0	UNKNOWN
3	0-00-0	UNKNOWN
4	23436-19-3	2-PROPANOL, 1-(2-METHYLPROPOXY)-

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount	%Tot
1	RIC	163	8:09	3	0.323	A BB	362005.	45.247	18.39
2	RIC	389	19:27	3	0.772	A BV	612825.	76.598	31.14
3	RIC	504	25:12	3	1.000	A BB	800055.	100.000	40.65
4	RIC	607	30:21	3	1.204	A VB	193394.	~~24.173~~	9.83

$\left(\frac{193394}{\cancel{362005}\ 800055}\right) 50\ \mu g/l = \frac{\cancel{27}}{12}\ \mu g/l$

AW 6-9-88

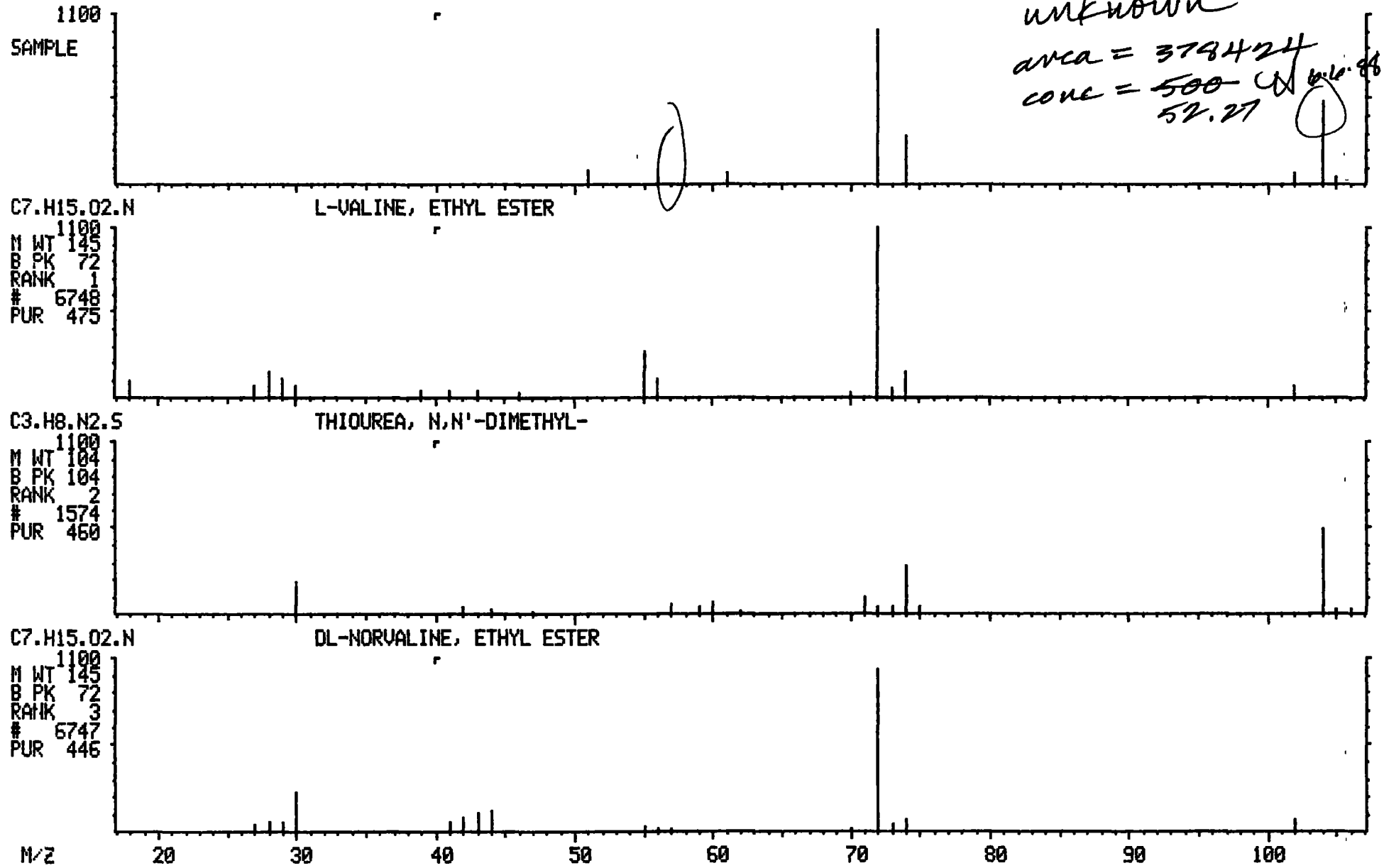
02831

LIBRARY SEARCH
04/28/88 19:49:00 + 2:06
SAMPLE: METHOD BLANK (ALSO SCS VOA#030DWQ01)
CONDS.: GC DESC V3
ENHANCED (S 15B 2N 0T)

DATA: BLW904 # 42
CALI: 042888CW # 1

BASE M/Z: 72
RIC: 524.

unknown
area = 3784424
conc = ~~500~~ 52.27 W 6.6.88

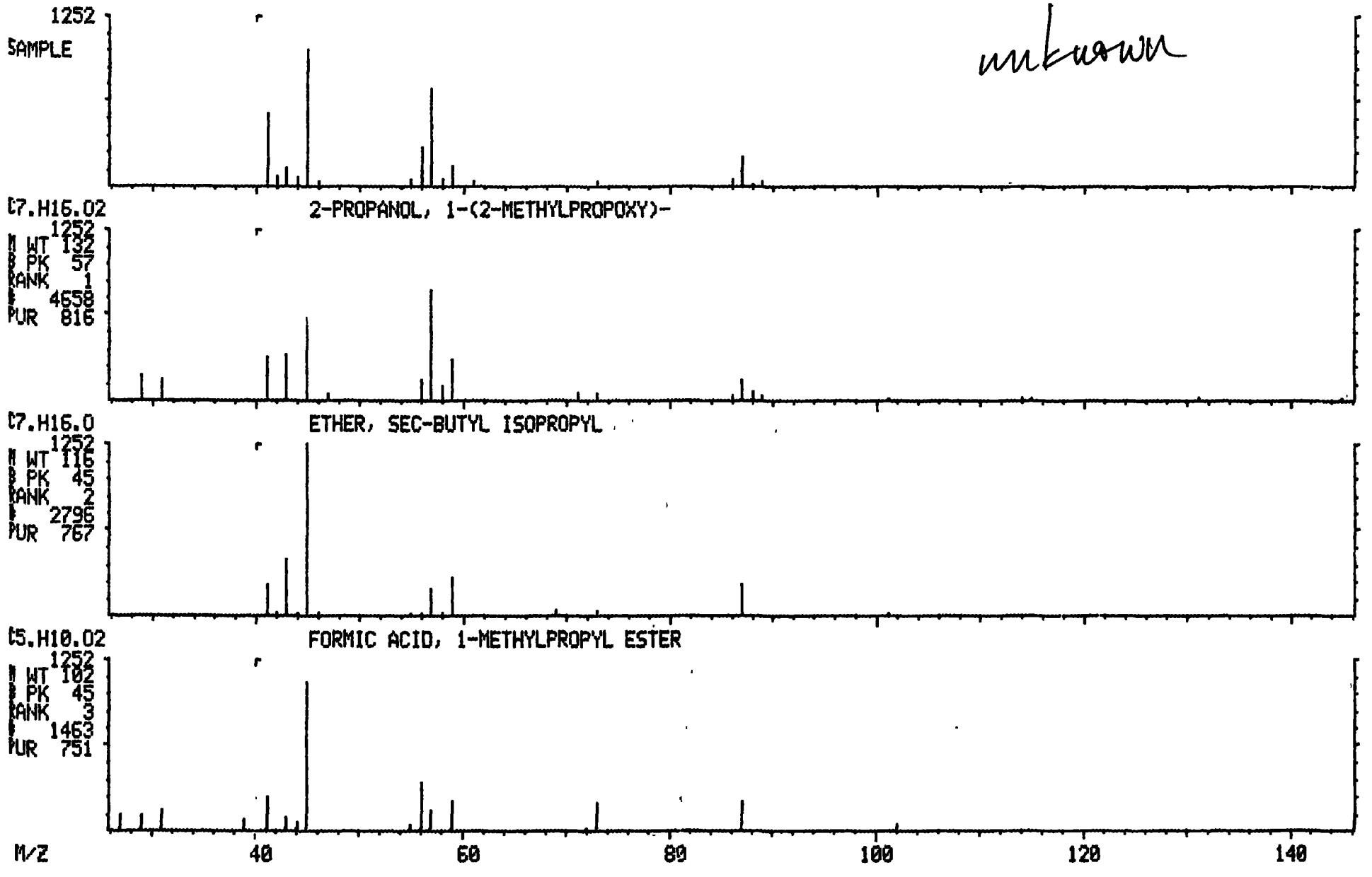


02832

LIBRARY SEARCH
04/28/88 19:49:00 + 30:18
SAMPLE: METHOD BLANK (ALSO SCS VOA#030DWQ01)
CONDS.: GC DESC V3
ENHANCED (S 15B 2N 0T)

DATA: BLW904 # 606
CALI: 042888CW # 1

BASE M/Z: 45
RIC: 20735.



4/29/88 11:40:19 SCAN 1 OF 730 02833
Acquisition started

Acquire
04/29/88 11:40:00 + 0:06
Sample: METHOD BLANK 5MLS H2O
Conds.: GC DESC V3
Formula:
Submitted by: RMAL

Run 3:BLW917
Free sectors: 20335
Instrument: 5100
Analyst: DC

Acquiring
Scan: 2 of 730
Weight: 0.026
Acct. No:

*** GC descriptor: V3 ***

GC temperature: 60 DegC
Elapsed time : 0: 3 min

Injector: 50 DegC
Interface: 220 DegC

Seq. #	Temp (DegC)	Rate (C/min)	Time (minutes) period	total
1	60- 60	-	2.0	2.0
2	60-250	7.0	27.1	29.1
3	250-250	-	10.0	39 1
4	250-250	-	0.0	39.1

Valve times (minutes)

	Open	Close
Sweep/Split	36.1	0.0
Divert	36.1	0.8

*** Scan Parameters ***

Low mass: 40 u
High mass: 260 u

Scan time (s)
Up: 2.95 L*
Down: 0.00 L

Hold time (s)
Top. 0.00
Bottom: 0.05

Cent S/P: 10 Actual: 67
Frag S/P: 10 Actual: 10

Samp int (ms): 0.200
Samp int (ms): 1.400

Peak width: 1000.
Inten/ion: 2

Min peak width: 3
ADC threshold: 1

Min frag width %: 81
Baseline: 0

Min area: 20

MODE: EI (+) Centroid + Temp

Interface number	0	
Sub-interface number	0	
# of acqu buffers	16	
Instrument type	Q	
Full scale mass	812	u
Zero scale mass	1	u
Intensity/ion	2	
Peak width	1000.	mmu
Offset at low mass	0	mmu
Offset at high mass	0	mmu
Voltage settling time(ms)	4	

Current instrument parameters.

	Positive ion mode	Negative ion mode
Resolution (high)	126.00	128.00
Resolution (low)	125.00	128.00
Ion energy	1.88	-4.00
Ion programming	5.41	-4.00
Lens voltage	-80.00	50.20
Extractor voltage	0.94	not used

Electron multiplier voltage. -2106.
Electrometer Range: 10 ^-7
Electrometer zero: -4.4

4/29/88 12:16:51
Acquisition completed
Scans 1 to 730 centroid

Mode	Scans	Secs	out of	%	Peaks per scan	per second	
Centroid	730	44.0	2190.0	2.0	16994.	23.	8.

02834

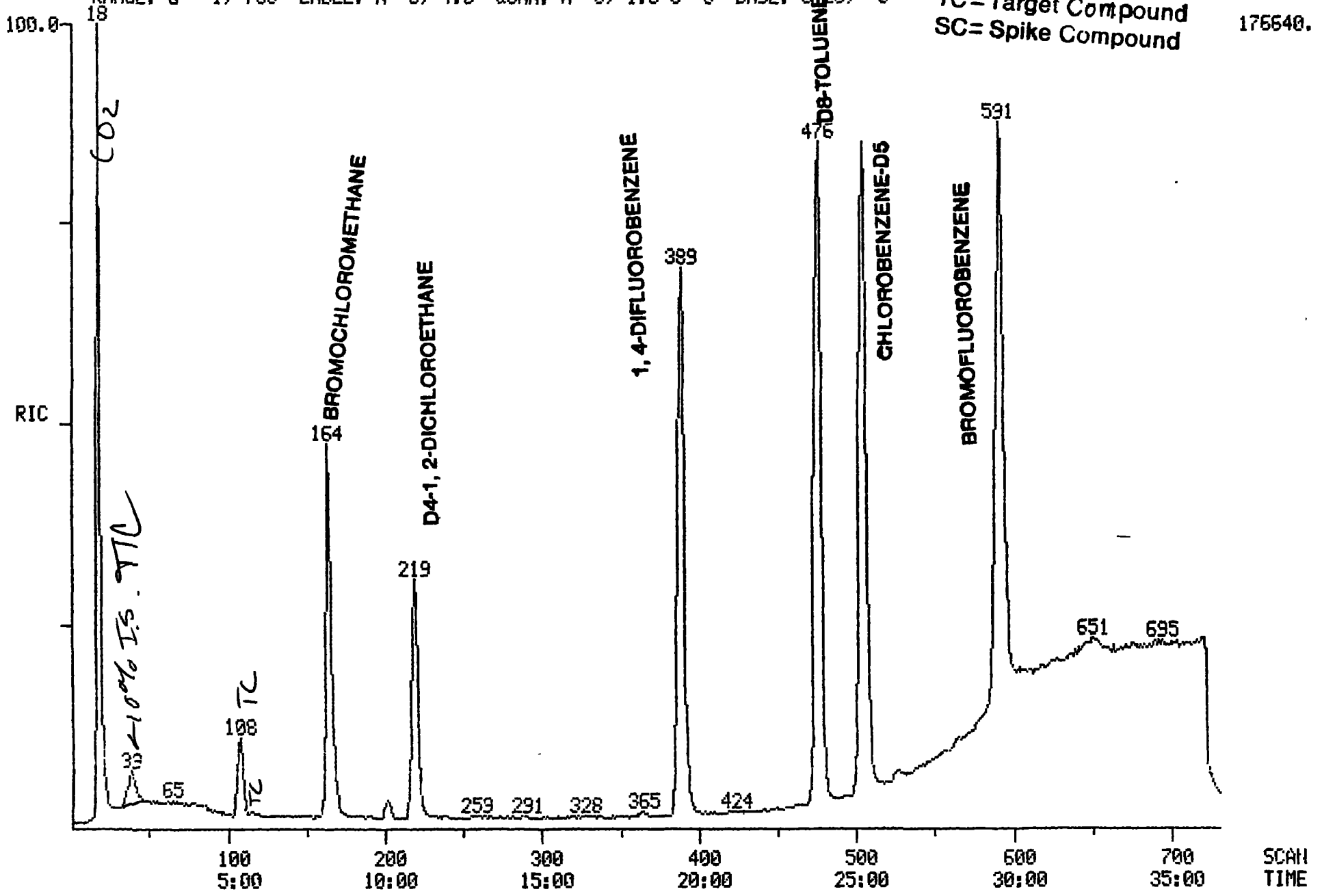
RIC
04/29/88 11:40:00
SAMPLE: METHOD BLANK 5MLS H2O
CONDS.: GC DESC V3
RANGE: G 1, 730 LABEL: N 0, 4.0 QUAN: A 0, 1.0 J 0 BASE: U 20, 3

DATA: BLW917 #4
CALI: 042988CW #3

SCANS 1 TO 730

TIC = Tentatively Identified Compound

TC = Target Compound
SC = Spike Compound



PROCEDURE. TCA DIAGNOSTIC REPORT 4/29/88 13:46:29
DATA FILE BLW917
REFERENCE: 11TABLE
NAME LIST: LLNL INITIALIZATION OPTION: 2 PROCESSING OPTION: 3 02835
REPORT ISO1

< ---- STANDARDS ----- >				< --- PLUS UNKNOWNS --- >				< - LIST NAMES - >
PROC	USED	POSS	RMS	PROC	USED	POSS	RMS	STANDARD/UNKNOWN
1	1	1	0	9	3	5	76	ISO1/TCO1
3	3	1	54	18	6	6	79	ISO2/TCO2
3	3	1	54	12	6	15	77	ISO3/TCO3
1	1	1	0	7	2	1	0	ISO4/TCO4

41 COMPOUNDS PROCESSED, 12 FOUND

< COMPOUND >			< ---------- SEARCH ---------- >					< SAT >	< ------ CHRO ------- >			
NO	LIB	ENTRY	REF	PRED	SEL	DELTA	PEAKS	FIT	PEAKS	M/Z	TOP	DELTA	PEAKS
1	V1	1	-161	164	164	.	1	961	.	128	164	.	1
2	V1	10	-28	30	.	.	.	.	.	50	.	.	.
3	V1	15	-44	46	.	.	.	.	.	94	.	.	.
4	V1	25	-56	58	.	.	.	.	.	62	.	.	.
5	V1	35	-70	72	.	.	.	.	.	64	.	.	.
6	V1	45	-105	108	108	.	1	991	.	84	108	.	1
7	V1	50	-114	117	116	-1	5	1000	.	58	116	.	1
8	V1	65	-132	135	.	.	.	.	.	76	.	.	.
9	V1	80	-153	156	.	.	.	.	.	96	.	.	.
10	V2	1	-388	389	389	.	1	994	.	114	389	.	1
11	V3	1	-503	504	504	.	1	995	.	117	504	.	1
12	V1	90	-179	181	.	.	.	.	.	63	.	.	.
13	V1	95	-193	195	.	.	.	.	.	96	.	.	.
14	V1	100	-204	206	.	.	.	.	.	83	.	.	.
15	V1	2	-218	220	219	-1	1	990	.	65	219	.	1
16	V2	10	-218	220	219	-1	2	989	.	72	.	.	
17	V1	110	-220	222	.	.	.	.	.	62	.	.	.
18	V2	15	-248	249	.	.	.	.	.	97	.	.	.
19	V2	20	-256	257	.	.	.	.	.	117	.	.	.
20	V2	25	-259	260	260	.	3	970	.	43	260	.	1
21	V2	30	-267	268	.	.	.	.	.	83	.	.	.
22	V2	35	-298	299	.	.	.	.	.	63	.	.	.
23	V2	40	-304	305	.	.	.	.	.	75	.	.	.
24	V2	45	-316	317	.	.	.	.	.	130	.	.	.
25	V2	60	-329	330	.	.	.	.	.	78	331	.	1
26	V2	50	-330	331	.	.	.	.	.	129	.	.	.
27	V2	65	-333	334	.	.	.	.	.	75	.	.	.
28	V2	55	-333	334	.	.	.	.	.	97	.	.	.
29	V2	80	-393	394	.	.	.	.	.	173	.	.	.
30	V3	10	-404	405	404	-1	5	919	.	58	403	-1	1
31	V3	15	-441	442	441	-1	3	953	.	58	.	.	.
32	V3	25	-447	448	.	.	.	.	.	83	.	.	.
33	V3	20	-448	449	.	.	.	.	.	164	.	.	.
34	V3	2	-475	475	476	1	1	993	.	98	476	.	1
35	V3	35	-480	480	.	.	.	.	.	92	.	.	.
36	V3	40	-506	507	.	.	.	.	.	112	.	.	
37	V3	50	-549	549	.	.	.	.	.	106	.	.	.
38	V3	3	-591	591	591	.	1	992	.	95	591	.	1
39	V3	55	-611	611	.	.	.	.	.	104	612	.	1
40	V3	60	-615	615	.	.	.	.	.	106	615	.	1
41	V3	75	-628	628	.	.	.	.	.	106	.	.	.

Quantitation Report File: BLW917

Data: BLW917.TI
04/29/88 11:40:00
Sample: METHOD BLANK 5MLS H2O
Conds . GC DESC V3
Formula: Instrument. 5100 Weight: 0.026
Submitted by: RMAL Analyst: DC Acct No.:

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

No	Name				
1	CI01 BROMOCHLOROMETHANE	128	IV1#	01	74-97-5
2	C010 CHLOROMETHANE	50	V1#	10SP	74-87-3
3	C015 BROMOMETHANE	94	V1#	15	74-83-9
4	C020 VINYL CHLORIDE	62	V1#	25	75-01-4
5	C025 CHLOROETHANE	64	V1#	35	75-00-3
6	C030 METHYLENE CHLORIDE	84	V1#	45	75-09-2
7	C035 ACETONE	58	V1#	50	67-64-1
8	C040 CARBON DISULFIDE	76	V1#	65	75-15-0
9	C045 1,1-DICHLOROETHENE	61	V1#	80	75-35-4
10	CI10 1,4-DIFLUOROBENZENE	114	IV2#	01	540-36-3
11	CI20 CHLOROBENZENE-D5	117	IV3#	01	3114-55-4
12	C050 1,1-DICHLOROETHANE	63	V1#	90	75-34-3
13	TRANS-1,2-DICHLOROETHENE	61	V1#	95	156-60-5
14	C060 CHLOROFORM	83	V1#	100CC	67-66-3
15	CS15 1,2-DICHLOROETHANE-D4	65	SV1#	02	17060-07-0
16	C110 2-BUTANONE	72	V2#	10	78-93-3
17	C065 1,2-DICHLOROETHANE	62	V1#	110	107-06-2
18	C115 1,1,1-TRICHLOROETHANE	97	V2#	15	71-55-6
19	C120 CARBONTETRACHLORIDE	117	V2#	20	56-23-5
20	C125 VINYL ACETATE	43	V2#	25	108-05-4
21	C130 BROMODICHLOROMETHANE	83	V2#	30	75-27-4
22	C140 1,2-DICHLOROPROPANE	63	V2#	35CC	78-87-5
23	C143 CIS-1,3-DICHLOROPROPENE	75	V2#	40	10061-01-5
24	C150 TRICHLOROETHENE	130	V2#	45	79-01-6
25	C165 BENZENE	78	V2#	60	71-43-2
26	C155 DIBROMOCHLOROMETHANE	129	V2#	50	124-48-1
27	C172 TRANS-1,3-DICHLOROPROPE	75	V2#	65	10061-02-6
28	C160 1,1,2-TRICHLOROETHANE	97	V2#	55	79-00-5
29	C180 BROMOFORM	173	V2#	80	75-25-2
30	C205 4-METHYL-2-PENTANONE	58	V3#	10	108-10-1
31	C210 2-HEXANONE	58	V3#	15	591-78-6
32	C225 1,1,2,2-TETRACHLOROETHA	83	V3#	25SP	79-34-5
33	C220 TETRACHLOROETHENE	164	V3#	20	127-18-4
34	CS05 TOLUENE-D8	98	SV3#	02	2037-26-5
35	C230 TOLUENE	92	V3#	35	108-88-3
36	C235 CHLOROBENZENE	112	V3#	40	108-90-7
37	C240 ETHYLBENZENE	106	V3#	50	100-41-4
38	CS10 BROMOFLUOROBENZENE	95	SV3#	03	460-00-4
39	C245 STYRENE	104	V3#	55	100-42-5
40	M-XYLENE	106	V3#	60	108-38-3
41	O+P XYLENES	106	V3#	75	

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount	%Tot
1	128	164	8:12	1	1.000	A BB	35513.	50.000 UG/L	15.98
2	NOT FOUND								
3	NOT FOUND								
4	NOT FOUND								
5	NOT FOUND								
6	84	108	5:24	1	0.659	A BB	10847	7.105 UG/L	2.27
7	58	116	5:48	1	0.707	A VB	456.	3.711 UG/L	1.19
8	NOT FOUND								
9	NOT FOUND								
10	114	389	19:27	10	1.000	A BB	221765.	50.000 UG/L	15.98
11	117	504	25:12	11	1.000	A BB	205894.	50.000 UG/L	15.98
12	NOT FOUND								
13	NOT FOUND								
14	NOT FOUND								
15	65	219	10:57	1	1.335	A BB	70339.	46.263 UG/L	14.78
16	NOT FOUND								
17	NOT FOUND								
18	NOT FOUND								
19	NOT FOUND								
20	43	260	13:00	10	0.668	A BB	345.	0.063 UG/L	0.02
21	NOT FOUND								
22	NOT FOUND								
23	NOT FOUND								
24	NOT FOUND								
25	78	331	16:33	10	0.851	A BB	162.	0.037 UG/L	0.01
26	NOT FOUND								
27	NOT FOUND								
28	NOT FOUND								
29	NOT FOUND								
30	58	403	20:09	11	0.800	A BB	194.	0.310 UG/L	0.10
31	NOT FOUND								
32	NOT FOUND								
33	NOT FOUND								
34	98	476	23:48	11	0.944	A BB	228716.	51.598 UG/L	16.49
35	NOT FOUND								
36	NOT FOUND								
37	NOT FOUND								
38	95	591	29:33	11	1.173	A BB	136058.	53.770 UG/L	17.18
39	104	612	30:36	11	1.214	A BB	214.	0.068 UG/L	0.02
40	106	615	30:45	11	1.220	A BB	52.	0.028 UG/L	0.01
41	NOT FOUND								

No	Ret(L)	Ratio	RRT(L)	Ratio	Amnt	Amnt(L)	R.Fac	R.Fac(L)	Ratio
1	8:06	1.01	1.000	1.00	50.00	50.00	1.000	1.000	1.00
2	1:24		0.173						
3	2:12		0.272						
4	2:48		0.346						
5	3:30		0.432						
6	5:15	1.03	0.648	1.02	7.10	50.00	0.305	2.149	0.14
7	5:42	1.02	0.704	1.01	3.71	50.00	0.013	0.173	0.07
8	6:36		0.815						
9	7:39		0.944						
10	19:27	1.00	1.000	1.00	50.00	50.00	1.000	1.000	1.00
11	25:12	1.00	1.000	1.00	50.00	50.00	1.000	1.000	1.00
12	8:57		1.105						
13	9:39		1.191						

No	Ret(L)	Ratio	RRT(L)	Ratio	Amnt	Amnt(L)	R.Fac	R.Fac(L)	Ratio
14	10:12		1.259						
15	10:54	1.00	1.346	0.99	46.26	50.00	1.981	2.141	0.93
16	10:54		0.560						
17	11:00		1.358						
18	12:24		0.638						
19	12:48		0.658						
20	12:57	1.00	0.666	1.00	0.06	50.00	0.002	1.240	0.00
21	13:21		0.686						
22	14:54		0.766						
23	15:12		0.781						
24	15:48		0.812						
25	16:27	1.01	0.846	1.01	0.04	50.00	0.001	0.976	0.00
26	16:30		0.848						
27	16:39		0.856						
28	16:39		0.856						
29	19:39		1.010						
30	20:12	1.00	0.802	1.00	0.31	50.00	0.001	0.152	0.01
31	22:03		0.875						
32	22:21		0.887						
33	22:24		0.889						
34	23:45	1.00	0.942	1.00	51.60	50.00	1.111	1.076	1.03
35	24:00		0.952						
36	25:18		1.004						
37	27:27		1.089						
38	29:33	1.00	1.173	1.00	53.77	50.00	0.661	0.614	1.08
39	30:33	1.00	1.212	1.00	0.07	50.00	0.001	0.761	0.00
40	30:45	1.00	1.220	1.00	0.03	50.00	0.000	0.449	0.00
41	31:24		1.246						

02839

TCA FINISHED, 12 FOUND
FINISHED AT. 4/29/88 13:50:42

RMAL QUANTITATION SUMMARY FILE: BLW917
COMPOUNDS WITH AMOUNTS LESS THAN 1.00 REPORTED AS NOT FOUND

UNITS: UG/L

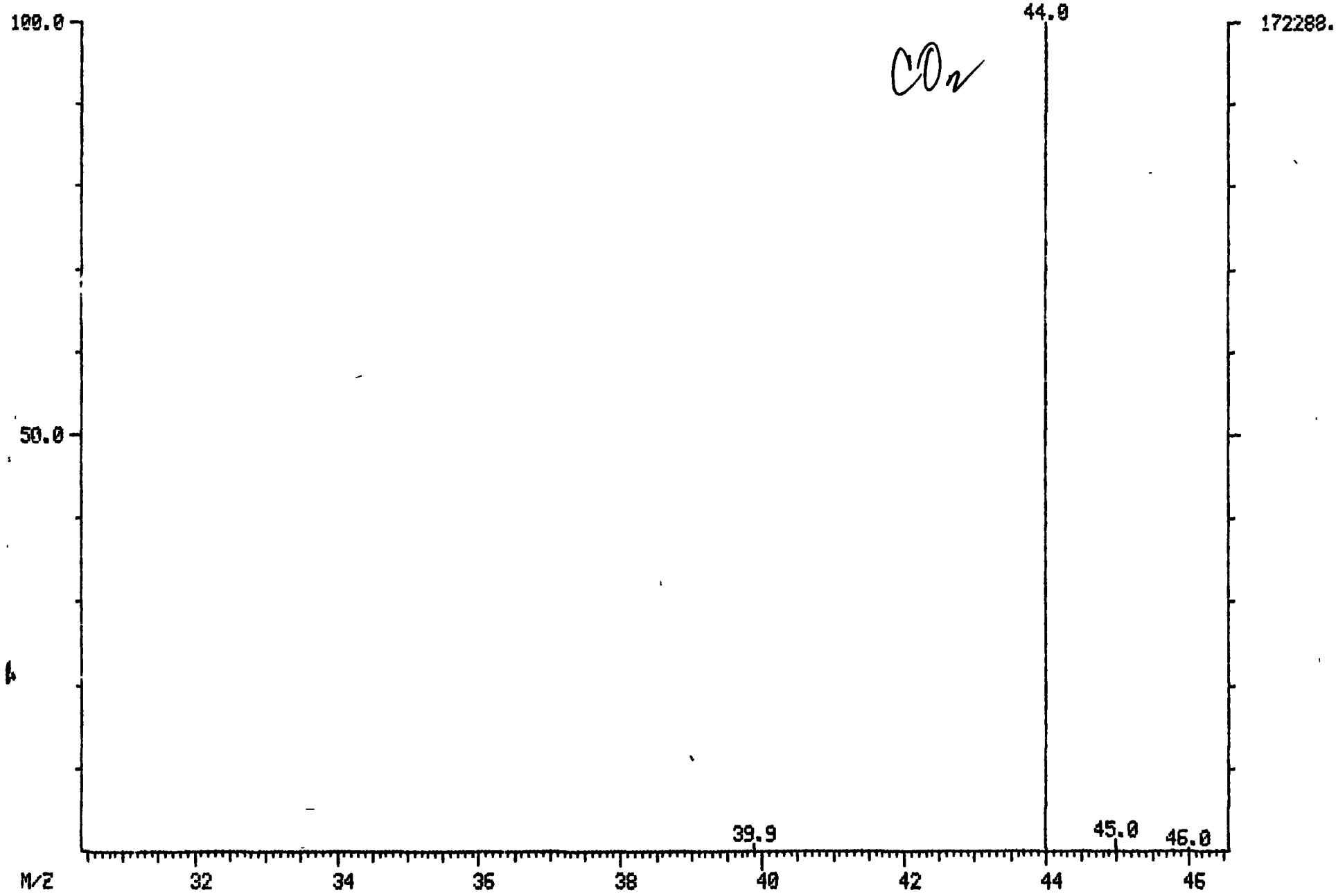
NO	LIBRARY ENTRY	NAME	MASS	SCAN	REF	AREA	RRF	AMOUNT
1	V1# 1	CI01 BROMOCHLOROMETHANE	128	164	1	35513.	1.000	50.000
2	V2# 1	CI10 1,4-DIFLUOROBENZENE	114	389	2	221765.	1.000	50.000
3	V3# 1	CI20 CHLOROBENZENE-D5	117	504	3	205894.	1.000	50.000
4	V3# 2	CS05 TOLUENE-D8	98	476	3	228716.	1.111	51.598
5	V3# 3	CS10 BROMOFLUOROBENZENE	95	591	3	136058	0.661	53.770
6	V1# 2	CS15 1,2-DICHLOROETHANE-	65	219	1	70339.	1.981	46.263
7	V1# 10	C010 CHLOROMETHANE	50		1	NOT FOUND		
8	V1# 15	C015 BROMOMETHANE	94		1	NOT FOUND		
9	V1# 25	C020 VINYL CHLORIDE	62		1	NOT FOUND		
10	V1# 35	C025 CHLOROETHANE	64		1	NOT FOUND		
11	V1# 45	C030 METHYLENE CHLORIDE	84	108	1	10847.	0.305	7.105
12	V1# 50	C035 ACETONE	58	116	1	456.	0.013	3.711
13	V1# 65	C040 CARBON DISULFIDE	76		1	NOT FOUND		
14	V1# 80	C045 1,1-DICHLOROETHENE	96		1	NOT FOUND		
15	V1# 90	C050 1,1-DICHLOROETHANE	63		1	NOT FOUND		
16	V1# 95	TRANS-1,2-DICHLOROETHENE	96		1	NOT FOUND		
17	V1#100	C060 CHLOROFORM	83		1	NOT FOUND		
18	V1#110	C065 1,2-DICHLOROETHANE	62		1	NOT FOUND		
19	V2# 10	C110 2-BUTANONE	72		2	NOT FOUND		
20	V2# 15	C115 1,1,1-TRICHLOROETHA	97		2	NOT FOUND		
21	V2# 20	C120 CARBONTETRACHLORIDE	117		2	NOT FOUND		
22	V2# 25	C125 VINYL ACETATE	43		2	NOT FOUND		
23	V2# 30	C130 BROMODICHLOROMETHAN	83		2	NOT FOUND		
24	V2# 35	C140 1,2-DICHLOROPROPANE	63		2	NOT FOUND		
25	V2# 40	C143 CIS-1,3-DICHLOROPRO	75		2	NOT FOUND		
26	V2# 45	C150 TRICHLOROETHENE	130		2	NOT FOUND		
27	V2# 50	C155 DIBROMOCHLOROMETHAN	129		2	NOT FOUND		
28	V2# 55	C160 1,1,2-TRICHLOROETHA	97		2	NOT FOUND		
29	V2# 60	C165 BENZENE	78		2	NOT FOUND		
30	V2# 65	C172 TRANS-1,3-DICHLOROP	75		2	NOT FOUND		
31	V2# 80	C180 BROMOFORM	173		2	NOT FOUND		
32	V3# 10	C205 4-METHYL-2-PENTANON	58		3	NOT FOUND		
33	V3# 15	C210 2-HEXANONE	58		3	NOT FOUND		
34	V3# 20	C220 TETRACHLOROETHENE	164		3	NOT FOUND		
35	V3# 25	C225 1,1,2,2-TETRACHLORO	83		3	NOT FOUND		
36	V3# 35	C230 TOLUENE	92		3	NOT FOUND		
37	V3# 40	C235 CHLOROBENZENE	112		3	NOT FOUND		
38	V3# 50	C240 ETHYLBENZENE	106		3	NOT FOUND		
39	V3# 55	C245 STYRENE	104		3	NOT FOUND		
40	V3# 60	M-XYLENE	106		3	NOT FOUND		
41	V3# 75	O+P XYLENES	106		3	NOT FOUND		

02840

MASS SPECTRUM
04/29/88 11:40:00 + 0:54
SAMPLE: METHOD BLANK 5MLS H2O
CONDS.: GC DESC V3
GC TEMP: 60 DEG. C

DATA: BLW917 #18
CALI: 042988CW #3

BASE M/Z: 44
RIC: 176640.

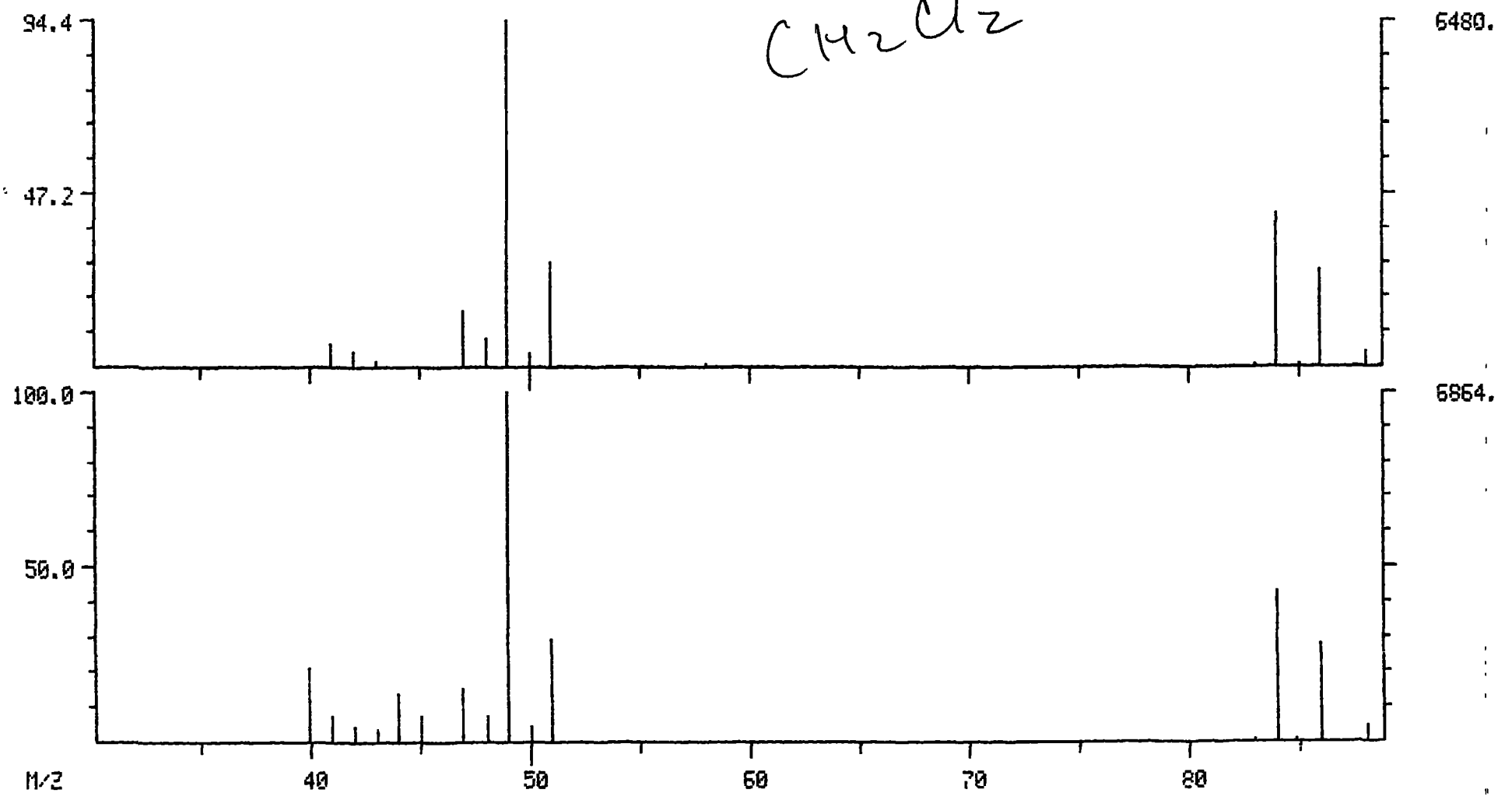


02841

DUAL MASS SPECTRUM
04/29/88 11:40:00 + 5:24
SAMPLE: METHOD BLANK 5MLS H2O
CONDS.: GC DESC V3
GC TEMP: 84 DEG. C
ENHANCED (S 15B 2N 0T)

DATA: BLW917 #108
CALI: 042988CW #3

BASE M/Z: 49/ 49
RIC: 16047./ 19967.



02842

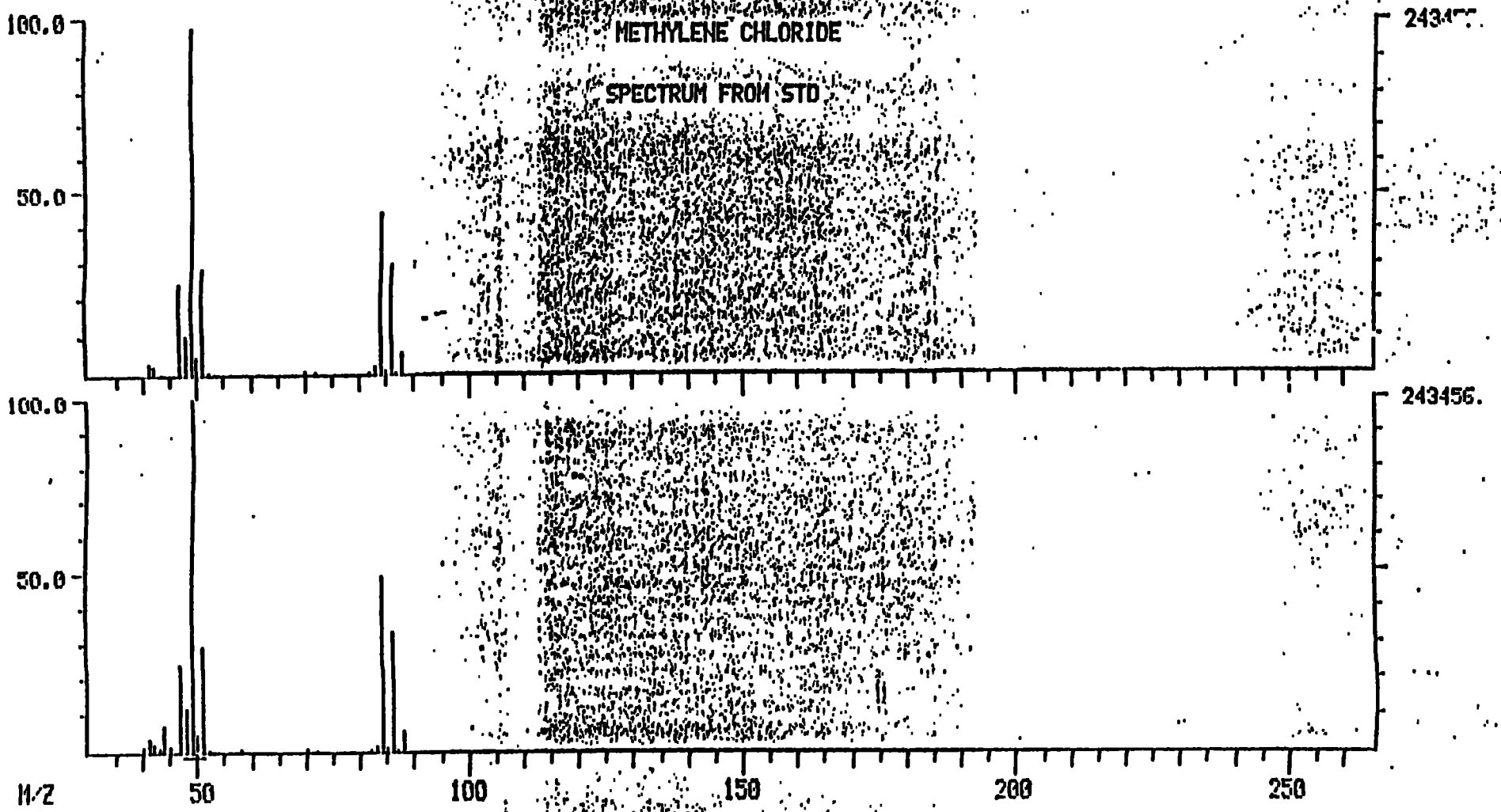
DUAL MASS SPECTRUM
10/13/86 10:38:00 + 6:55
SAMPLE: 50 PPB HSL STANDARD 9-29-86 100%/5ML
COMDS.:
ENHANCED (S 15B 2N 0T)

DATA: STDJ198 #136
CALI: STDJ198 #1

BASE M/Z: 49/ 49
RIC: 615423./ 678911.

METHYLENE CHLORIDE

SPECTRUM FROM STD

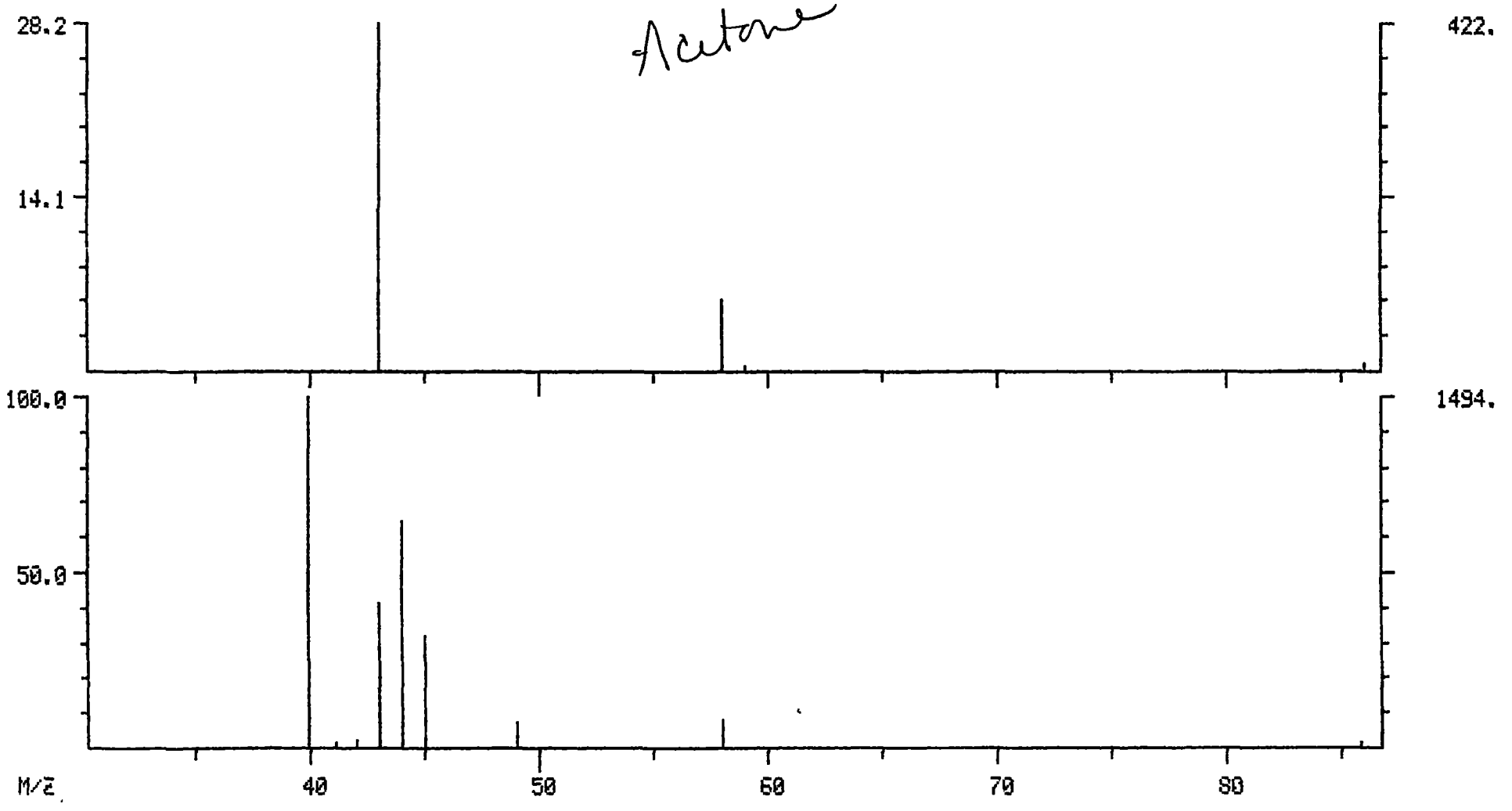


02843

DUAL MASS SPECTRUM
04/29/88 11:40:00 + 5:48
SAMPLE: METHOD BLANK 5MLS H2O
CONDS.: GC DESC V3
GC TEMP: 87 DEG. C
ENHANCED (S 15B 2N 0T)

DATA: BLW917 #116
CALI: 042988CW #3

BASE M/Z: 43/ 40
RIC: 521./ 3847.

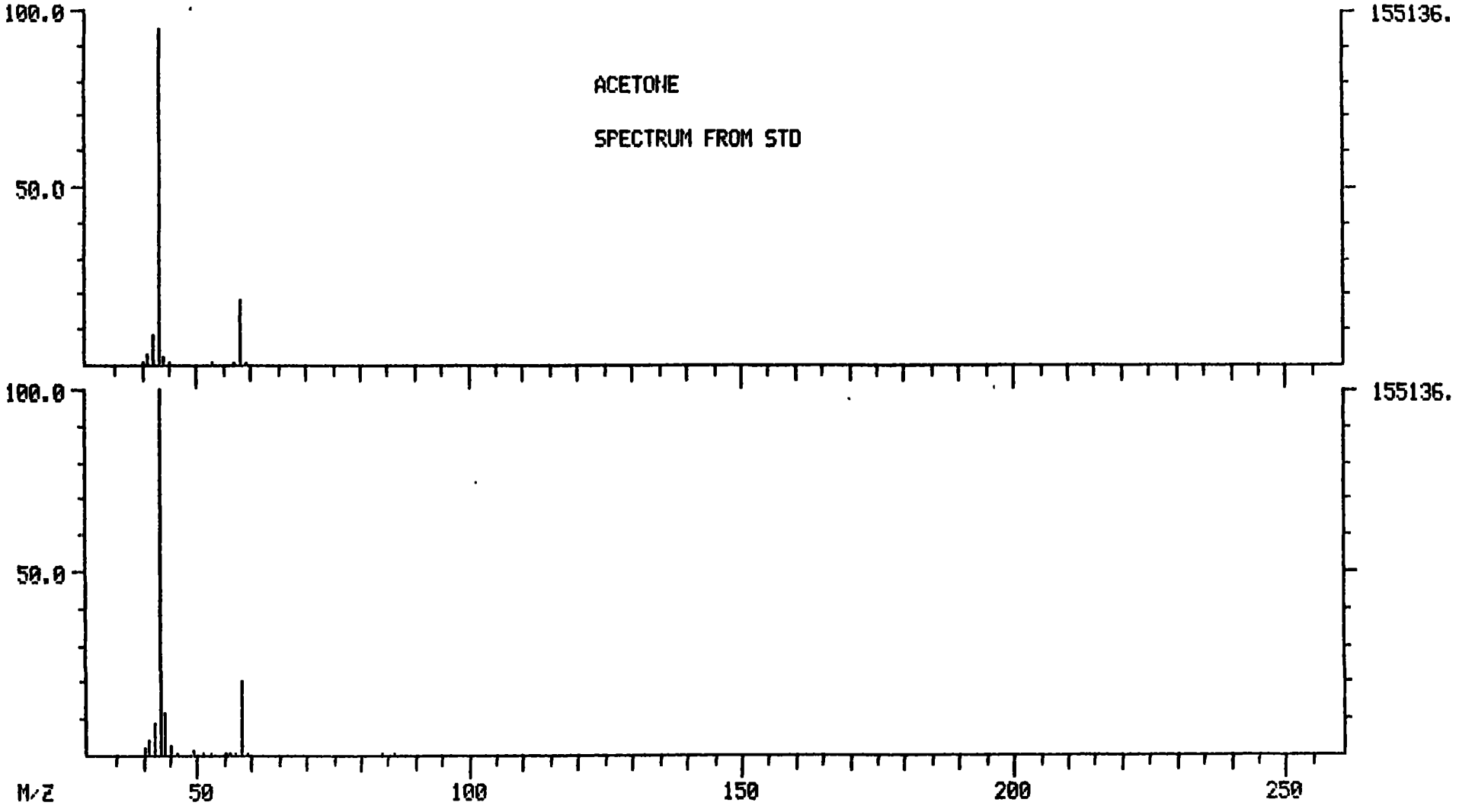


02844

DUAL MASS SPECTRUM
10/13/86 10:38:00 + 7:37
SAMPLE: 50 PPB HSL STANDARD 9-29-86 100%/5ML
CONDS.:
ENHANCED (S 15B 2H 0T)

DATA: STDJ198 #150
CALI: STDJ198 #1

BASE M/Z: 43/ 43
RIC: 199935./ 247807.



02845

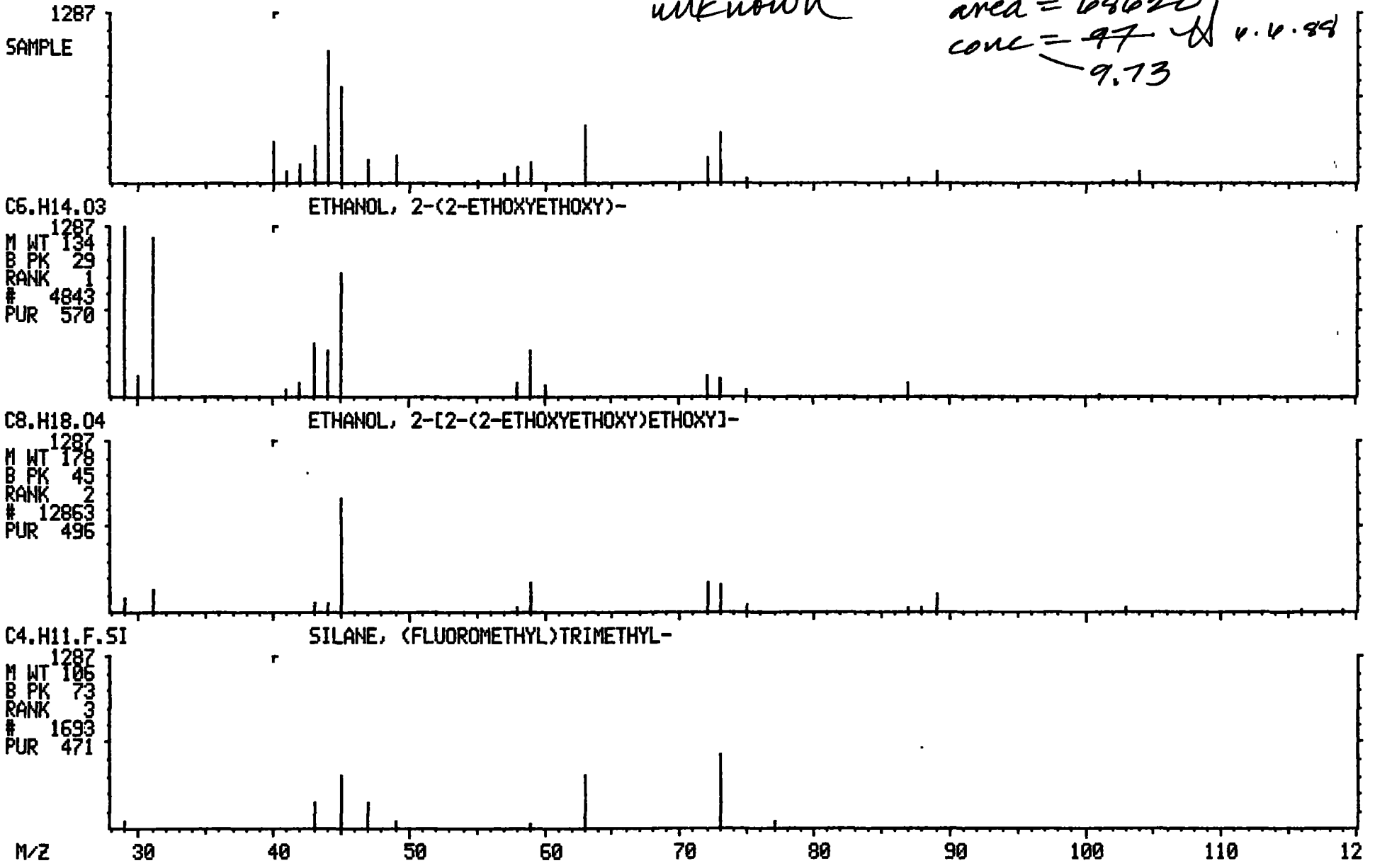
LIBRARY SEARCH
04/29/88 11:40:00 + 1:57
SAMPLE: METHOD BLANK 5MLS H2O
CONDS.: GC DESC V3
ENHANCED (S 15B 2N 0T)

DATA: BLW917 # 39
CALI: 042988CW # 3

BASE M/Z: 44
RIC: 6487.

unknown

area = 68620
conc = ~~97~~ 9.73 4.6.88



6/1/88 14:38:40 SCAN 1 OF 2850 02846
Acquisition started

Acquire Run 3:S59436R963 ACQUIRING
06/01/88 14:37:00 + 0:04 Free sectors: 15387 Scan: 5 of 2850
Sample: 59436-BL 4/23 100%/1ML BNA
Conds.: ST 2nd mme 6/2/88
Formula: AUTO INJ Instrument: 4500 Weight: 0.000
Submitted by: RMAL Analyst: MD Acct. No:

********** GC PARAMETERS **********

Loaded GC Desc:ST Current GC oven tmp: 31 DegC Injector : 250 DegC
Current GC Desc:ST GC elapsed time : 0: 3 min Int. oven : 275 DegC

Seq.#	Temp(C)	Rate(C/m)	Time(min)	Total time(min)		Open	Close
1	30 - 30	-	1.0	1.0	Sweep/Split	0.5	0.0
2	30 - 325	10.0	29.5	30.5	Divert	45.5	0.0
3	325 - 325	-	15.0	45.5			
4	325 - 325	-	0.0	45.5			

********** SCAN PARAMETERS **********

Low mass: 35 Up: 0.70 L* Top: 0.00
High mass: 500 Down: 0.00 L Bottom: 0.05

Cent S/P: 10 Actual: 10 Samp Int (ms): 0.150 Peak Width: 1000.
Frag S/P: 10 Actual: 10 Samp Int (ms): 0.150 Inten/ion: 2

Min Peak Width: 3 Min Frag Width %: 80 Min Area: 20
ADC Threshold: 1 Baseline: 0

***** Mode: Centroid positive ion

$RF = \left(\frac{2.0\,ml}{1.0\,L}\right)\left(\frac{100\%}{100\%}\right) = 2.0$

Interface number	0	
Sub-interface number	0	
# of acqu buffers	16	
Instrument type	Q	
Full scale mass	1024	u
Zero scale mass	1	u
Intensity/ion	2	
Peak Width	1000.	mmu
Offset at low mass	0	mmu
Offset at high mass	0	mmu
Voltage settling time(MS)	4	

SV = 2

/BE

6/1/88 15:14:19
ACQUISITION COMPLETED
SCANS 1 TO 2850 Centroid

Mode	Scans	Secs	Out of	%	Peaks per scan	per sec
Centroid	2850	517.7	2137.5	24.2	58997. 21.	28.

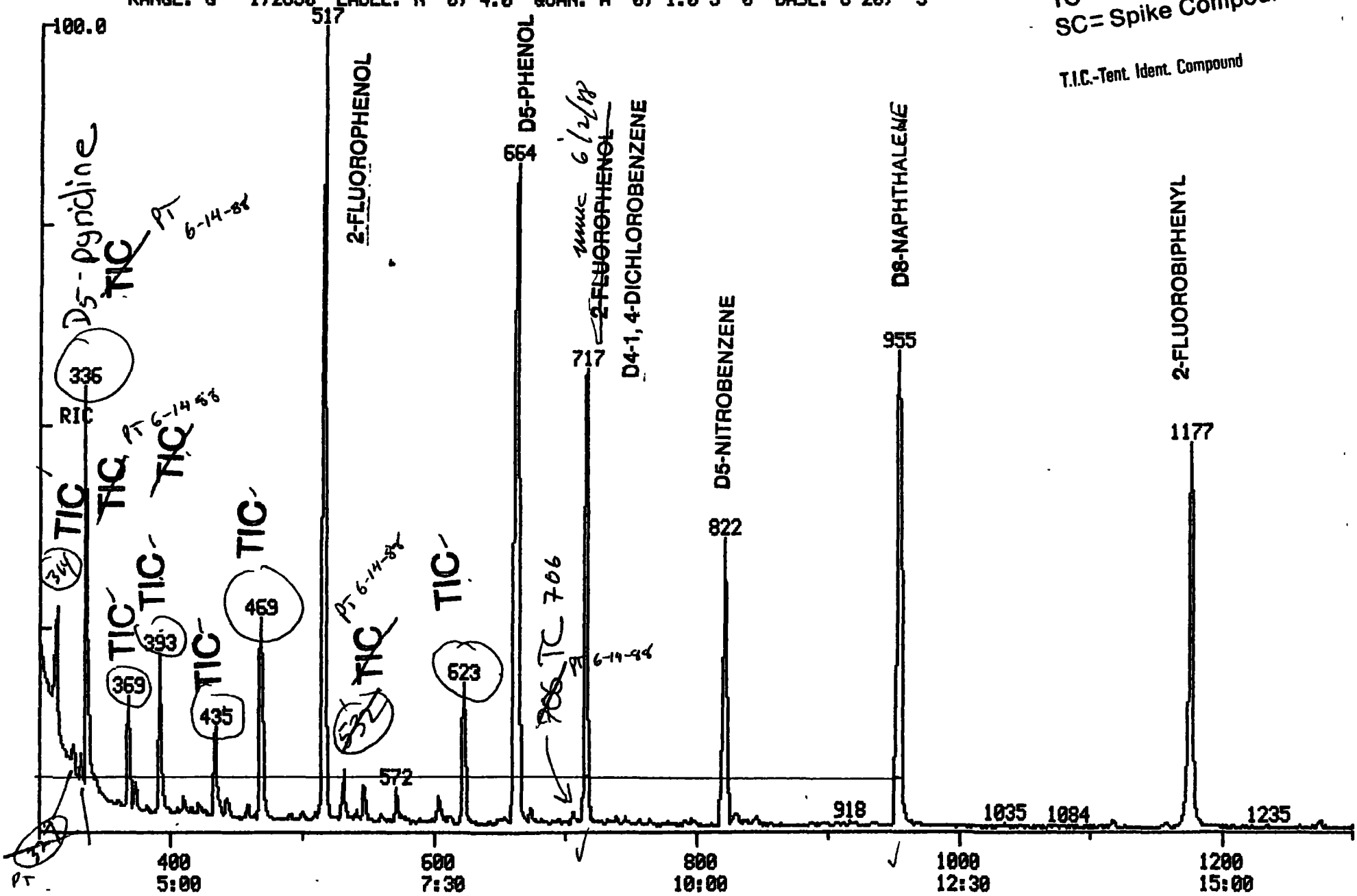
02847

RIC
06/01/88 14:37:00
SAMPLE: 59436-BL 4/23 100Z/~~1ML~~ 2ml BNA
CONDS.: ST
RANGE: G 1,2850 LABEL: N 0, 4.0 QUAN: A 0, 1.0 J 0 BASE: U 20, 3

DATA: S59436R963 #4 SCANS 300 TO 1300
CALI: 053188CR #4 OUT OF 300 TO 2850

TC=Target Compound
SC=Spike Compound

T.I.C.-Tent. Idem. Compound



02848

RIC
06/01/88 14:37:00
SAMPLE: 59436-BL 4/23 100Z/1ML BNA
CONDS.: ST
RANGE: G 1,2850 LABEL: N 0, 4.0 QUAN: A 0, 1.0 J 0 BASE: U 20, 3

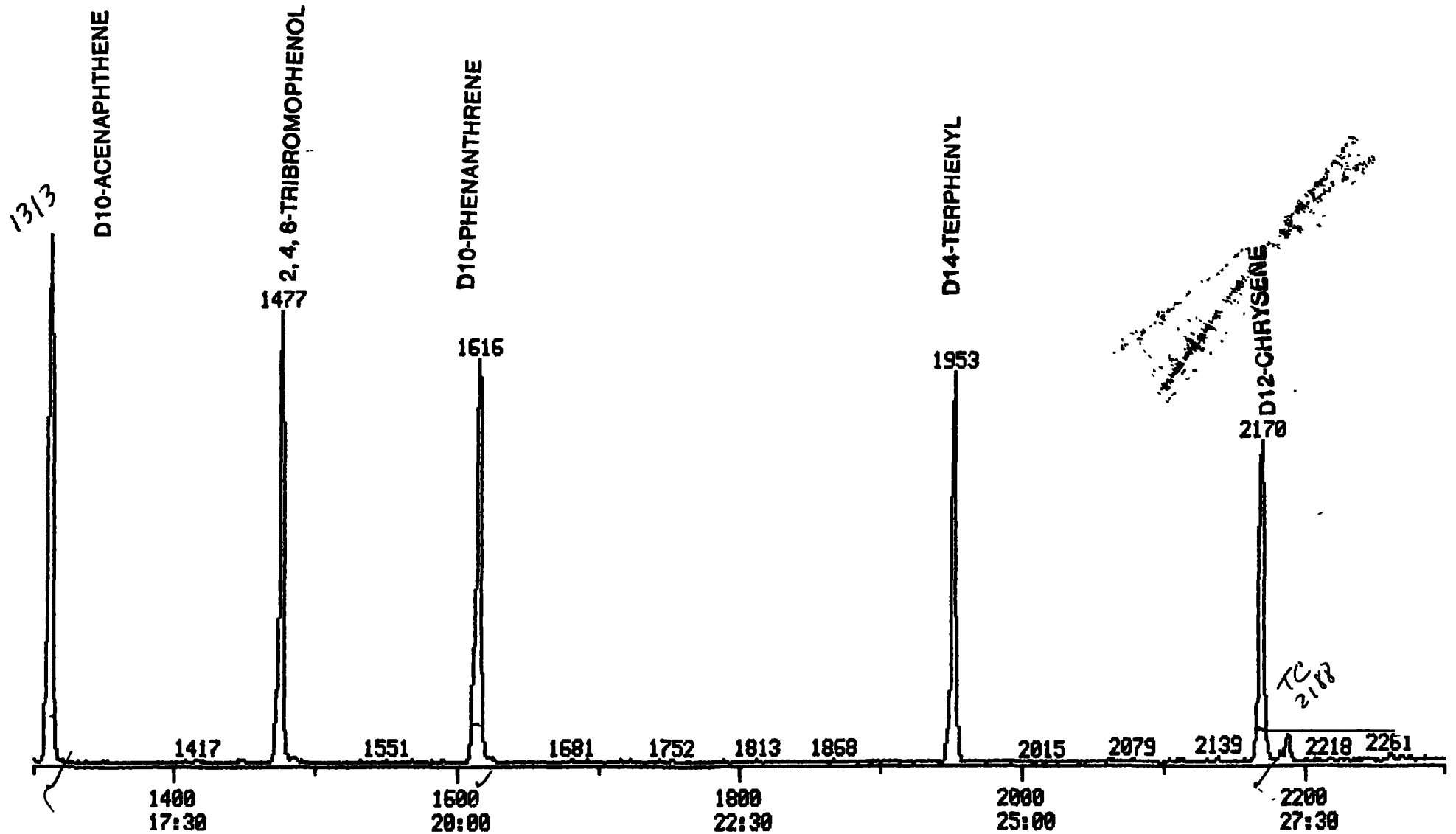
2nd 6/2/88

DATA: 559436R963 #4 SCANS 1300 TO 2300
CALI: 053188CR #4 OUT OF 300 TO 2850

TC=Target Compound
SC=Spike Compound

100.0

T.I.C.-Tent. Ident. Compound



02849

6/2/88 mwc

RIC
06/01/88 14:37:00
SAMPLE: 59436-BL 4/23 100Z/1ML BNA
CONDS.: ST
RANGE: G 1,2850 LABEL: N 0, 4.0 QUAN: A 0, 1.0 J 0 BASE: U 20, 3

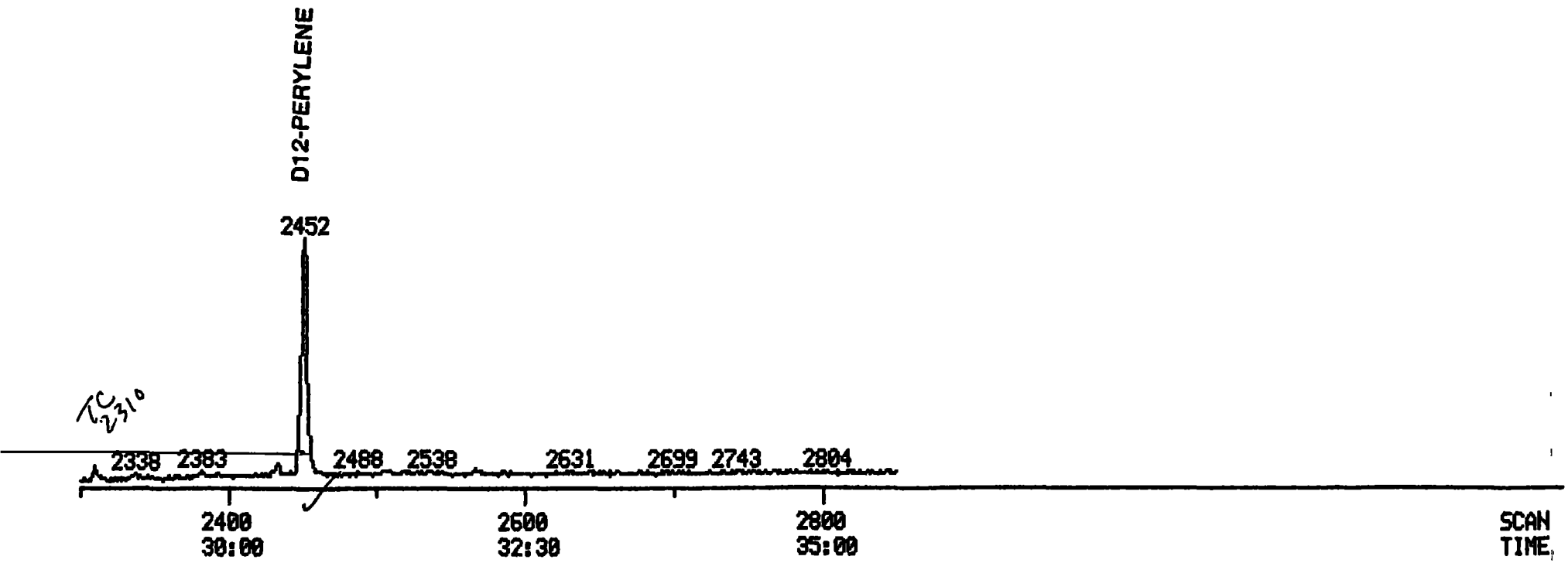
2nd

DATA: S59436R963 #4 SCANS 2300 TO 2850
CALI: 053188CR #4 OUT OF 300 TO 2850

TC=Target Compound
SC=Spike Compound

100.0 89984.

T.I.C.-Tent. Ident. Compound



ROCEDURE: TCA DIAGNOSTIC REPORT 6/01/88 15:23:45
ATA FILE: S59436R963
REFERENCE: 11TABLE
NAME LIST: LLNL INITIALIZATION OPTION: 2 PROCESSING OPTION: 3
REPORT: ISO1

02850

< ---- STANDARDS ----- >				< --- PLUS UNKNOWNS --- >				< - LIST NAMES - >
PROC	USED	POSS	RMS	PROC	USED	POSS	RMS	STANDARD/UNKNOWN
1	1	1	0	7	4	2	111	ISO1/TC01
3	3	1	33	18	6	1	458	ISO2/TC02
3	3	1	33	12	3	1	33	ISO3/TC03
3	3	2	37	18	4	1	39	ISO4/TC04
3	3	1	37	10	5	1	284	ISO5/TC05
3	3	1	0	8	3	1	0	ISO6/TC06
3	3	1	53	14	6	1	100	ISO7/TC07
1	1	1	0	4	1	1	0	ISO8/TC08

77 COMPOUNDS PROCESSED, 18 FOUND

< COMPOUND >			< ---------- SEARCH ---------- >					< SAT >		< ------ CHRO ------- >			
NO	LIB	ENTRY	REF	PRED	SEL	DELTA	PEAKS	FIT	PEAKS	M/Z	TOP	DELTA	PEAKS
1	S1	1	-716	716	716	.	1	971	.	152	716	.	1
2	S1	2	-517	517	517	.	2	993	.	112	517	.	1
3	S1	3	-666	665	664	-1	1	935	.	99	664	.	1
4	S1	105	-668	667	.	.	.	.	.	94	666	.	1
5	S1	110	-680	679	.	.	.	.	.	93	.	.	.
6	S1	115	-687	686	686	.	1	858	.	128	686	.	1
7	S1	125	-710	709	.	.	.	.	.	146	.	.	.
8	S2	1	-955	955	955	.	1	996	.	136	955	.	1
9	S3	1	-1312	1313	1313	.	1	993	.	164	1313	.	1
10	S1	130	-720	721	.	.	.	.	.	146	.	.	.
11	S1	145	-748	749	.	.	.	.	.	108	.	.	.
12	S1	150	-753	754	.	.	.	.	.	146	.	.	.
13	S1	160	-771	772	.	.	.	.	.	108	.	.	.
14	S1	165	-776	777	.	.	.	.	.	45	.	.	.
15	S1	185	-798	799	798	-1	1	954	.	108	797	-1	1
16	S1	190	-804	805	.	.	.	.	.	70	.	.	.
17	S1	200	-808	809	.	.	.	.	.	117	.	.	.
18	S2	2	-823	824	822	-2	1	999	.	82	822	.	1
19	S2	10	-827	828	.	.	.	.	.	77	.	.	.
20	S2	20	-873	875	.	.	.	.	.	82	.	.	.
21	S2	25	-887	889	.	.	.	.	.	139	.	.	.
22	S2	30	-897	899	.	.	.	.	.	107	898	.	1
23	S2	35	-917	919	.	.	.	.	.	93	.	.	.
24	S2	45	-927	929	937	8	1	860	.	122	936	-1	1
25	S2	40	-932	932	.	.	.	.	.	162	934	.	1
26	S2	55	-948	948	.	.	.	.	.	180	.	.	.
27	S2	60	-960	960	.	.	.	.	.	128	958	.	1
28	S2	80	-976	976	.	.	.	.	.	127	.	.	.
29	S2	95	-996	996	.	.	.	.	.	225	.	.	.
30	S2	130	-1074	1074	.	.	.	.	.	107	.	.	.
31	S2	145	-1097	1098	.	.	.	.	.	142	.	.	.
32	S3	20	-1143	1144	.	.	.	.	.	237	.	.	.
33	S3	25	-1161	1162	.	.	.	.	.	196	.	.	.
34	S4	1	-1615	1616	1616	.	2	992	.	188	1616	.	1
35	S3	30	-1168	1168	.	.	.	.	.	196	.	.	.
36	S3	3	-1177	1177	1177	.	1	996	.	172	1177	.	1
37	S3	40	-1195	1195	.	.	.	.	.	162	.	.	.
38	S3	45	-1225	1225	.	.	.	.	.	65	.	.	.
39	S3	55	-1272	1273	.	.	.	.	.	163	.	.	.
40	S3	65	-1281	1282	.	.	.	.	.	152	1281	.	1
41	S3	70	-1284	1285	.	.	.	.	.	165	.	.	.
42	S3	75	-1311	1312	.	.	.	.	.	138	.	.	.

43	S3	80	-1320	1321	.	.	.	.	.	153	1320	.	1
44	S3	85	-1331	1332	.	.	.	.	.	184	.	.	.
45	S3	95	-1347	1348	.	.	.	.	.	109	.	.	.
46	S3	90	-1352	1353	.	.	.	.	.	168	1352	.	1
47	S3	105	-1364	1365	.	.	.	.	.	165	.	.	.
48	S3	130	-1418	1419	.	.	.	.	.	149	.	.	.
49	S3	135	-1423	1424	.	.	.	.	.	166	.	.	.
50	S3	140	-1425	1424	.	.	.	.	.	204	.	.	.
51	S3	150	-1439	1438	.	.	.	.	.	138	.	.	.
52	S4	10	-1447	1446	.	.	.	.	.	198	.	.	.
53	S4	15	-1453	1452	1448	-4	1	850	.	169	1450	2	1
54	S3	2	-1477	1476	1476	.	1	992	.	330	1476	.	1
55	S4	30	-1524	1523	.	.	.	.	.	248	.	.	.
56	S4	40	-1553	1552	.	.	.	.	.	284	.	.	.
57	S5	1	-2169	2170	2170	.	1	951	.	240	2170	.	1
58	S4	50	-1591	1592	.	.	.	.	.	266	1591	.	1
59	S4	65	-1620	1621	.	.	.	.	.	178	1620	.	1
60	S4	70	-1630	1631	.	.	.	.	.	178	1631	.	1
61	S4	85	-1754	1755	.	.	.	.	.	149	1753	.	1
62	S4	110	-1869	1870	.	.	.	.	.	202	1869	.	1
63	S6	1	-2450	2452	2452	.	1	993	.	264	2452	.	1
64	S5	15	-1915	1916	.	.	.	.	.	202	1914	.	1
65	S5	2	-1951	1952	1953	1	1	992	.	244	1953	.	1
66	S5	40	-2063	2064	.	.	.	.	.	149	2063	.	1
67	S5	55	-2166	2167	.	.	.	.	.	252	.	.	.
68	S5	50	-2166	2167	.	.	.	.	.	228	2169	.	1
69	S5	60	-2176	2177	.	.	.	.	.	228	.	.	.
70	S5	65	-2188	2189	2188	-1	1	991	.	149	2188	.	1
71	S6	10	-2310	2311	2310	-1	1	992	.	149	2310	.	1
72	S6	15	-2381	2382	.	.	.	.	.	252	.	.	.
73	S6	25	-2387	2388	.	.	.	.	.	252	.	.	.
74	S6	35	-2440	2441	.	.	.	.	.	252	.	.	.
75	S6	55	-2687	2689	.	.	.	.	.	276	.	.	.
76	S6	60	-2690	2692	.	.	.	.	.	278	.	.	.
77	S6	65	-2755	2757	.	.	.	.	.	276	.	.	.

02851

uantitation Report File: S59436R963

02852

ata: S59436R963.TI
6/01/88 14:37:00
ample: 59436-BL 4/23 100%/1ML BNA
onds.: ST
ormula: AUTO INJ Instrument: 4500 Weight: 0.000
ubmitted by: RMAL Analyst: MD Acct. No.:

MOUNT=AREA * REF AMNT/(REF AREA * RESP FACT)
esp. fac. from Library Entry

No	Name			
1	CI30	1,4-DICHLOROBENZENE-D4	152IS1# 01	3855-82-1
2	CS50	2-FLUOROPHENOL	112SS1# 02	367-12-4
3	CS45	PHENOL-D5	99SS1# 03	4165-62-2
4	C315	PHENOL	94 S1#105CC	108-95-2
5	C325	BIS(2-CHLOROETHYL)ETHER	93 S1#110	111-44-4
6	C330	2-CHLOROPHENOL	128 S2#115	95-57-8
7	C335	1,3-DICHLOROBENZENE	146 S1#125	541-73-1
8	CI40	NAPHTHALENE-D8	136IS2# 01	1146-65-2
9	CI50	ACENAPHTHENE-D10	164IS3# 01	15067-26-2
10	C340	1,4-DICHLOROBENZENE	146 S1#130CC	106-46-7
11	C345	BENZYL ALCOHOL	108 S1#145	100-51-6
12	C350	1,2-DICHLOROBENZENE	146 S1#150	95-50-1
13	C355	2-METHYLPHENOL	108 S1#160	95-48-7
14	C360	BIS(2-CHLOROISOPROPYL)E	45 S1#165	108-60-1
15	C365	4-METHYLPHENOL	108 S1#185	106-44-5
16	C370	N-NITROSO-DI-N-PROPYLAM	70 S1#190SP	621-64-7
17	C375	HEXACHLOROETHANE	117 S1#200	67-72-1
18	CS20	NITROBENZENE-D5	82SS2# 02	4165-60-0
19	C410	NITROBENZENE	77 S2# 10	98-95-3
20	C415	ISOPHORONE	82 S2# 20	75-59-1
21	C420	2-NITROPHENOL	139 S2# 25CC	88-75-5
22	C425	2,4-DIMETHYLPHENOL	107 S2# 30	105-67-9
23	C435	BIS(2-CHLOROETHOXY)METH	93 S2# 35	111-91-1
24	C430	BENZOIC ACID	122 S2# 45	65-85-0
25	C440	2,4-DICHLOROPHENOL	162 S2# 40	120-83-2
26	C445	1,2,4-TRICHLOROBENZENE	180 S2# 55	120-82-1
27	C450	NAPHTHALENE	128 S2# 60	91-20-3
28	C455	4-CHLOROANALINE	127 S2# 80	106-47-8
29	C460	HEXACHLOROBUTADIENE	225 S2# 95CC	87-68-3
30	C465	4-CHLORO-3-METHYLPHENO	107 S2#130CC	59-50-7
31	C470	2-METHYLNAPHTHALENE	142 S2#145	91-57-6
32	C510	HEXACHLOROCYCLOPENTADI	237 S3# 20	77-47-4
33	C515	2,4,6-TRICHLOROPHENOL	196 S3# 25CC	88-06-2
34	CI60	PHENANTHRENE-D10	188IS4# 01	1517-22-2
35	C520	2,4,5-TRICHLOROPHENOL	196 S3# 30	95-95-4
36	CS25	2-FLUOROBIPHENYL	172SS3# 03	321-60-8
37	C525	2-CHLORONAPHTHALENE	162 S3# 40	91-58-7
38	C530	2-NITROANALINE	65 S3# 45	88-74-4
39	C535	DIMETHYLPHTHALATE	163 S3# 55	131-11-3
40	C540	ACENAPHTHYLENE	152 S3# 65	208-96-8
41	C543	2,6-DINITROTOLUENE	165 S3# 70	606-20-2
42	C545	3-NITROANILINE	138 S3# 75	99-09-2
43	C550	ACENAPHTHENE	153 S3# 80CC	83-32-9
44	C555	2,4-DINITROPHENOL	184 S3# 85SP	51-28-5
45	C560	4-NITROPHENOL	109 S3# 95SP	100-02-7
46	C565	DIBENZOFURAN	168 S3# 90	132-64-9
47	C570	2,4-DINITROTOLUENE	165 S3#105	121-14-2

02853

No	Name			
48	C580 DIETHYLPHTHALATE	149	S3#130	84-66-2
49	C590 FLUORENE	166	S3#135	86-73-7
50	C585 4-CHLOROPHENYL-PHENYLE	204	S3#140	7005-72-3

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount	%Tot
1	152	716	8:57	1	1.000	A BV	22127.	40.000 UG/ML	6.39
2	112	517	6:28	1	0.722	A BV	68516.	87.049 UG/ML	13.91
3	99	664	8:18	1	0.927	A BB	101893.	90.915 UG/ML	14.53
4	94	666	8:19	1	0.930	A BB	290.	0.232 UG/ML	0.04
5	NOT FOUND								
6	128	686	8:34	1	0.958	A BB	151.	0.194 UG/ML	0.03
7	NOT FOUND								
8	136	955	11:56	8	1.000	A BB	86165.	40.000 UG/ML	6.39
9	164	1313	16:25	9	1.000	A BB	39860.	40.000 UG/ML	6.39
10	NOT FOUND								
11	NOT FOUND								
12	NOT FOUND								
13	NOT FOUND								
14	NOT FOUND								
15	108	797	9:58	1	1.113	A BB	413.	0.538 UG/ML	0.09
16	NOT FOUND								
17	NOT FOUND								
18	82	822	10:16	8	0.861	A BV	35059.	36.824 UG/ML	5.88
19	NOT FOUND								
20	NOT FOUND								
21	NOT FOUND								
22	107	898	11:13	8	0.940	A BB	293.	0.417 UG/ML	0.07
23	NOT FOUND								
24	122	936	11:42	8	0.980	A BB	293.	0.662 UG/ML	0.11
25	162	934	11:40	8	0.978	A BB	114.	0.188 UG/ML	0.03
26	NOT FOUND								
27	128	958	11:58	8	1.003	A BB	93.	0.041 UG/ML	0.01
28	NOT FOUND								
29	NOT FOUND								
30	NOT FOUND								
31	NOT FOUND								
32	NOT FOUND								
33	NOT FOUND								
34	188	1616	20:12	34	1.000	A BV	61129.	40.000 UG/ML	6.39
35	NOT FOUND								
36	172	1177	14:43	9	0.896	A BB	48737.	34.876 UG/ML	5.57
37	NOT FOUND								
38	NOT FOUND								
39	NOT FOUND								
40	152	1281	16:01	9	0.976	A BB	107.	0.052 UG/ML	0.01
41	NOT FOUND								
42	NOT FOUND								
43	153	1320	16:30	9	1.005	A BB	94.	0.077 UG/ML	0.01
44	NOT FOUND								
45	NOT FOUND								
46	168	1352	16:54	9	1.030	A BB	92.	0.052 UG/ML	0.01
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	8:58	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
2	6:28	1.00	0.721	1.00	87.05	100.00	1.239	1.423	0.87
3	8:19	1.00	0.929	1.00	90.92	100.00	1.842	2.026	0.91
4	8:21	1.00	0.932	1.00	0.23	50.00	0.010	2.262	0.00
5	8:30		0.948						
6	8:35	1.00	0.958	1.00	0.19	50.00	0.005	1.407	0.00
7	8:52		0.990						
8	11:57	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
9	16:25	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
10	9:00		1.004						
11	9:21		1.043						
12	9:25		1.050						
13	9:38		1.075						
14	9:42		1.082						
15	9:58	1.00	1.113	1.00	0.54	50.00	0.015	1.389	0.01
16	10:03		1.121						
17	10:06		1.127						
18	10:17	1.00	0.861	1.00	36.82	50.00	0.326	0.442	0.74
19	10:20		0.865						
20	10:55		0.913						
21	11:05		0.928						
22	11:13	1.00	0.938	1.00	0.42	50.00	0.003	0.326	0.01
23	11:28		0.959						
24	11:35	1.01	0.970	1.01	0.66	50.00	0.003	0.205	0.01
25	11:39	1.00	0.975	1.00	0.19	50.00	0.001	0.281	0.00
26	11:51		0.992						
27	12:00	1.00	1.004	1.00	0.04	50.00	0.001	1.060	0.00
28	12:12		1.021						
29	12:27		1.042						
30	13:25		1.123						
31	13:43		1.147						
32	14:17		0.871						
33	14:31		0.884						
34	20:12	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
35	14:36		0.890						
36	14:43	1.00	0.896	1.00	34.88	50.00	0.978	1.402	0.70
37	14:56		0.910						
38	15:19		0.933						
39	15:54		0.969						
40	16:01	1.00	0.976	1.00	0.05	50.00	0.002	2.069	0.00
41	16:03		0.978						
42	16:23		0.998						
43	16:30	1.00	1.005	1.00	0.08	50.00	0.002	1.221	0.00
44	16:38		1.014						
45	16:50		1.026						
46	16:54	1.00	1.030	1.00	0.05	50.00	0.002	1.786	0.00
47	17:03		1.039						
48	17:43		1.080						
49	17:47		1.084						
50	17:49		1.085						

Quantitation Report File: S59436R963

02855

Data: S59436R963.TI
06/01/88 14:37:00
Sample: 59436-BL 4/23 100%/1ML BNA
Conds.: ST
Formula: AUTO INJ Instrument: 4500 Weight: 0.000
Submitted by: RMAL Analyst: MD Acct. No.:

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

No	Name				
51	C595	4-NITROANALINE	138	S3#150	100-01-6
52	C610	4,6-DINITRO-2-METHYLPH	198	S4# 10	534-52-1
53	C615	N-NITROSODIPHENYLAMINE	169	S4# 15CC	87-30-6
54	CS55	2,4,6-TRIBROMOPHENOL	330	SS3# 02	118-79-6
55	C625	4-BROMOPHENYL-PHENYLET	248	S4# 30	101-55-3
56	C630	HEXACHLOROBENZENE	284	S4# 40	118-74-1
57	CI70	CHRYSENE-D12	240	IS5# 01	1719-03-5
58	C635	PENTACHLOROPHENOL	266	S4# 50	87-86-5
59	C640	PHENANTHRENE	178	S4# 65	85-01-8
60	C645	ANTHRACENE	178	S4# 70	120-12-7
61	C650	DI-N-BUTYLPHTHALATE	149	S4# 85	84-74-2
62	C655	FLUORANTHENE	202	S4#110CC	206-44-0
63	CI75	PERYLENE-D12	164	IS6# 01	1520-96-3
64	C715	PYRENE	202	S5# 15	129-00-0
65	CS30	TERPHENYL-D14	244	SS5# 02	1718-51-0
66	C720	BUTYLBENZYLPHTHALATE	149	S5# 40	85-68-7
67	C725	3,3'-DICHLOROBENZIDINE	252	S5# 55	91-94-1
68	C730	BENZO(A)ANTHRACENE	228	S5# 50	56-55-3
69	C740	CHRYSENE	228	S5# 60	218-01-9
70	C745	BIS(2-ETHYLHEXYL)PHTHA	149	S5# 65	117-81-7
71	C760	DI-N-OCTYL PHTHALATE	149	S6# 10CC	117-84-0
72	C765	BENZO(B)FLUORANTHENE	252	S6# 15	205-99-2
73	C770	BENZO(K)FLUORANTHENE	252	S6# 25	207-08-9
74	C775	BENZO(A)PYRENE	252	S6# 35	50-32-8
75	C780	INDENO(1,2,3-CD)PYRENE	276	S6# 55	193-39-5
76	C785	DIBENZ(A,H)ANTHRACENE	278	S6# 60	53-70-3
77	C790	BENZO(G,H,I)PERYLENE	276	S6# 65	191-24-2

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount	%Tot
51	NOT FOUND								
52	NOT FOUND								
53	169	1450	18:07	34	0.897	A BB	443.	0.479 UG/ML	0.08
54	330	1476	18:27	9	1.124	A BB	13558.	85.671 UG/ML	13.69
55	NOT FOUND								
56	NOT FOUND								
57	240	2170	27:07	57	1.000	A BB	41041.	40.000 UG/ML	6.39
58	266	1591	19:53	34	0.985	A BB	49.	0.221 UG/ML	0.04
59	178	1620	20:15	34	1.002	A BB	89.	0.051 UG/ML	0.01
60	178	1631	20:23	34	1.009	A BB	46.	0.026 UG/ML	0.00
61	149	1753	21:55	34	1.085	A BB	740.	0.324 UG/ML	0.05
62	202	1869	23:22	34	1.157	A BB	54.	0.033 UG/ML	0.01
63	264	2452	30:39	63	1.000	A BB	30727.	40.000 UG/ML	6.39
64	202	1914	23:55	57	0.882	A BB	57.	0.039 UG/ML	0.01
65	244	1953	24:25	57	0.900	A BV	48178.	43.800 UG/ML	7.00
66	149	2063	25:47	57	0.951	A BB	87.	0.104 UG/ML	0.02

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount	%Tot
67	NOT FOUND								
68	228	2169	27:07	57	1.000	A BB	204.	0.161 UG/ML	0.03
69	NOT FOUND								
70	149	2188	27:21	57	1.008	A VB	2064.	1.783 UG/ML	0.28
71	149	2310	28:52	63	0.942	A BB	2172.	1.127 UG/ML	0.18
72	NOT FOUND								
73	NOT FOUND								
74	NOT FOUND								
75	NOT FOUND								
76	NOT FOUND								
77	NOT FOUND								

No	Ret(L)	Ratio	RRT(L)	Ratio	Amnt	Amnt(L)	R.Fac	R.Fac(L)	Ratio
51	17:59		1.096						
52	18:05		0.895						
53	18:10	1.00	0.899	1.00	0.48	50.00	0.006	0.605	0.01
54	18:28	1.00	1.125	1.00	85.67	100.00	0.136	0.159	0.86
55	19:03		0.943						
56	19:25		0.961						
57	27:07	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
58	19:53	1.00	0.985	1.00	0.22	50.00	0.001	0.145	0.00
59	20:15	1.00	1.002	1.00	0.05	50.00	0.001	1.136	0.00
60	20:22	1.00	1.009	1.00	0.03	50.00	0.001	1.143	0.00
61	21:55	1.00	1.085	1.00	0.32	50.00	0.010	1.492	0.01
62	23:22	1.00	1.157	1.00	0.03	50.00	0.001	1.057	0.00
63	30:38	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
64	23:56	1.00	0.882	1.00	0.04	50.00	0.001	1.422	0.00
65	24:23	1.00	0.899	1.00	43.80	50.00	0.939	1.072	0.88
66	25:47	1.00	0.951	1.00	0.10	50.00	0.002	0.818	0.00
67	27:04		0.998						
68	27:04	1.00	0.998	1.00	0.16	50.00	0.004	1.237	0.00
69	27:12		1.003						
70	27:21	1.00	1.008	1.00	1.78	50.00	0.040	1.129	0.04
71	28:52	1.00	0.942	1.00	1.13	50.00	0.057	2.509	0.02
72	29:46		0.971						
73	29:50		0.974						
74	30:30		0.996						
75	33:35		1.096						
76	33:37		1.098						
77	34:26		1.124						

TCA FINISHED, 18 FOUND
FINISHED AT: 6/01/88 15:32:58

02857

RMAL QUANTITATION SUMMARY FILE: S59436R963
COMPOUNDS WITH AMOUNTS LESS THAN 1.00 REPORTED AS NOT FOUND

UNITS: UG/ML

NO	LIBRARY ENTRY	NAME	MASS	SCAN	REF	AREA	RRF	AMOUNT
1	S1# 1	CI30 1,4-DICHLOROBENZENE	152	716	1	22127.	1.000	40.000
2	S2# 1	CI40 NAPHTHALENE-D8	136	955	2	86165.	1.000	40.000
3	S3# 1	CI50 ACENAPHTHENE-D10	164	1313	3	39860.	1.000	40.000
4	S4# 1	CI60 PHENANTHRENE-D10	188	1616	4	61129.	1.000	40.000
5	S5# 1	CI70 CHRYSENE-D12	240	2170	5	41041.	1.000	40.000
6	S6# 1	CI75 PERYLENE-D12	264	2452	6	30727.	1.000	40.000
7	S2# 2	CS20 NITROBENZENE-D5	82	822	2	35059.	0.326	36.824
8	S3# 3	CS25 2-FLUOROBIPHENYL	172	1177	3	48737.	0.978	34.876
9	S5# 2	CS30 TERPHENYL-D14	244	1953	5	48178.	0.939	43.800
10	S1# 3	CS45 PHENOL-D5	99	664	1	101893.	1.842	90.915
11	S1# 2	CS50 2-FLUOROPHENOL	112	517	1	68516.	1.239	87.049
12	S3# 2	CS55 2,4,6-TRIBROMOPHENO	330	1476	3	13558.	0.136	85.671
13	S1#105	C315 PHENOL	94		1	NOT FOUND		
14	S1#110	C325 BIS(2-CHLOROETHYL)E	93		1	NOT FOUND		
15	S1#115	C330 2-CHLOROPHENOL	128		1	NOT FOUND		
16	S1#125	C335 1,3-DICHLOROBENZENE	146		1	NOT FOUND		
17	S1#130	C340 1,4-DICHLOROBENZENE	146		1	NOT FOUND		
18	S1#145	C345 BENZYL ALCOHOL	108		1	NOT FOUND		
19	S1#150	C350 1,2-DICHLOROBENZENE	146		1	NOT FOUND		
20	S1#160	C355 2-METHYLPHENOL	108		1	NOT FOUND		
21	S1#165	C360 BIS(2-CHLOROISOPROP	45		1	NOT FOUND		
22	S1#185	C365 4-METHYLPHENOL	108		1	NOT FOUND		
23	S1#190	C370 N-NITROSO-DI-N-PROP	70		1	NOT FOUND		
24	S1#200	C375 HEXACHLOROETHANE	117		1	NOT FOUND		
25	S2# 10	C410 NITROBENZENE	77		2	NOT FOUND		
26	S2# 20	C415 ISOPHORONE	82		2	NOT FOUND		
27	S2# 25	C420 2-NITROPHENOL	139		2	NOT FOUND		
28	S2# 30	C425 2,4-DIMETHYLPHENOL	107		2	NOT FOUND		
29	S2# 35	C435 BIS(2-CHLOROETHOXY)	93		2	NOT FOUND		
30	S2# 40	C440 2,4-DICHLOROPHENOL	162		2	NOT FOUND		
31	S2# 45	C430 BENZOIC ACID	122		2	NOT FOUND		
32	S2# 55	C445 1,2,4-TRICHLOROBENZ	180		2	NOT FOUND		
33	S2# 60	C450 NAPHTHALENE	128		2	NOT FOUND		
34	S2# 80	C455 4-CHLOROANALINE	127		2	NOT FOUND		
35	S2# 95	C460 HEXACHLOROBUTADIENE	225		2	NOT FOUND		
36	S2#130	C465 4-CHLORO-3-METHYLPH	107		2	NOT FOUND		
37	S2#145	C470 2-METHYLNAPHTHALENE	142		2	NOT FOUND		
38	S3# 20	C510 HEXACHLOROCYCLOPENT	237		3	NOT FOUND		
39	S3# 25	C515 2,4,6-TRICHLOROPHEN	196		3	NOT FOUND		
40	S3# 30	C520 2,4,5-TRICHLOROPHEN	196		3	NOT FOUND		
41	S3# 40	C525 2-CHLORONAPHTHALENE	162		3	NOT FOUND		
42	S3# 45	C530 2-NITROANALINE	65		3	NOT FOUND		
43	S3# 55	C535 DIMETHYLPHTHALATE	163		3	NOT FOUND		
44	S3# 65	C540 ACENAPHTHYLENE	152		3	NOT FOUND		
45	S3# 70	C543 2,6-DINITROTOLUENE	165		3	NOT FOUND		
46	S3# 75	C545 3-NITROANILINE	138		3	NOT FOUND		
47	S3# 80	C550 ACENAPHTHENE	153		3	NOT FOUND		
48	S3# 85	C555 2,4-DINITROPHENOL	184		3	NOT FOUND		
49	S3# 90	C565 DIBENZOFURAN	168		3	NOT FOUND		
50	S3# 95	C560 4-NITROPHENOL	109		3	NOT FOUND		
51	S3#105	C570 2,4-DINITROTOLUENE	165		3	NOT FOUND		

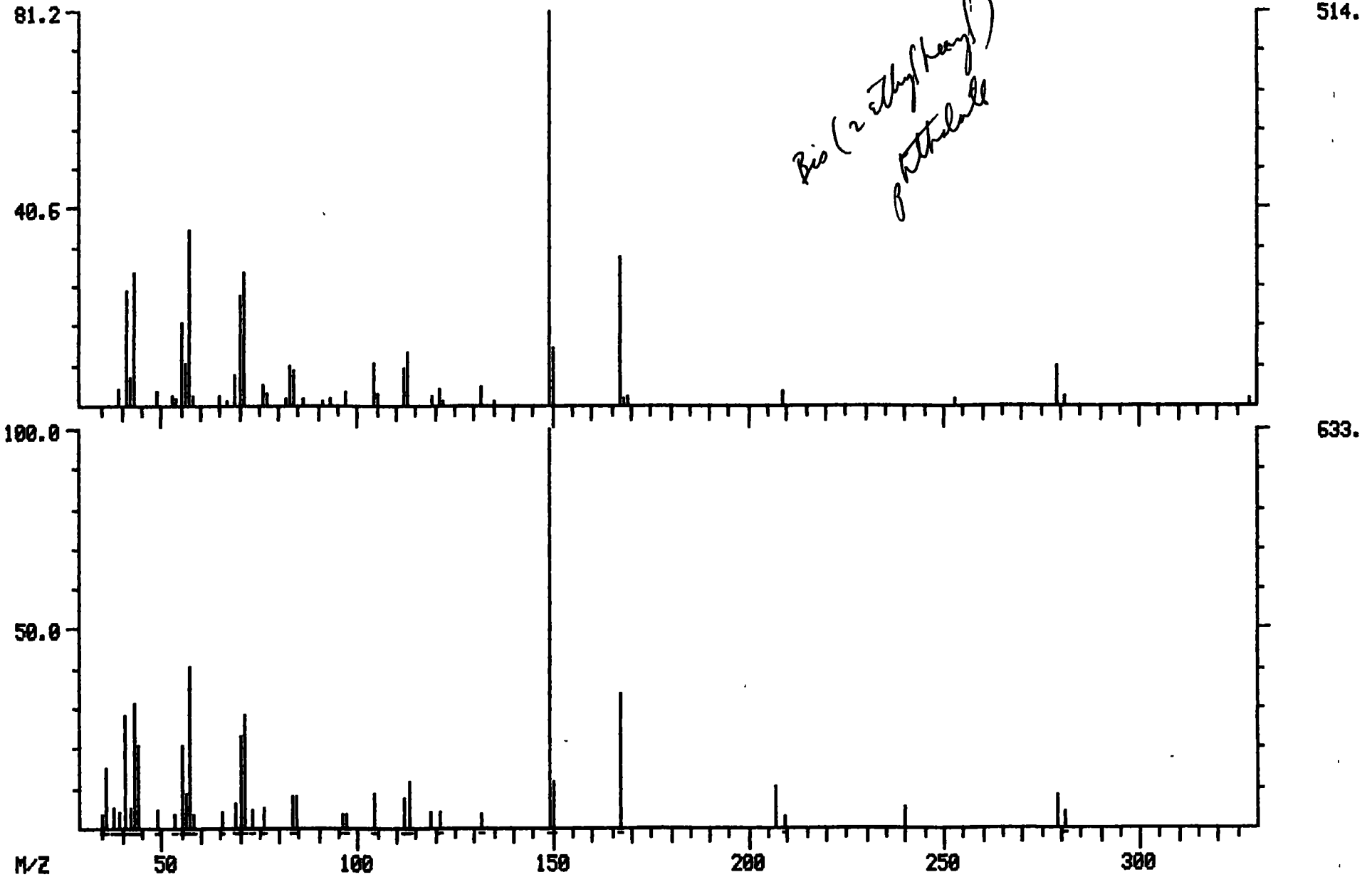
02858

52	S3#130	C580	DIETHYLPHTHALA E	14							
53	S3#135	C590	FLUORENE	166		3	NOT FOUND				
54	S3#140	C585	4-CHLOROPHENYL-PHEN	204		3	NOT FOUND				
55	S3#150	C595	4-NITROANALINE	138		3	NOT FOUND				
56	S4# 10	C610	4,6-DINITRO-2-METHY	198		4	NOT FOUND				
57	S4# 15	C615	N-NITROSODIPHENYLAM	169		4	NOT FOUND				
58	S4# 30	C625	4-BROMOPHENYL-PHENY	248		4	NOT FOUND				
59	S4# 40	C630	HEXACHLOROBENZENE	284		4	NOT FOUND				
60	S4# 50	C635	PENTACHLOROPHENOL	266		4	NOT FOUND				
61	S4# 65	C640	PHENANTHRENE	178		4	NOT FOUND				
62	S4# 70	C645	ANTHRACENE	178		4	NOT FOUND				
63	S4# 85	C650	DI-N-BUTYLPHTHALATE	149		4	NOT FOUND				
64	S4#110	C655	FLUORANTHENE	202		4	NOT FOUND				
65	S5# 15	C715	PYRENE	202		5	NOT FOUND				
66	S5# 40	C720	BUTYLBENZYLPHTHALAT	149		5	NOT FOUND				
67	S5# 50	C730	BENZO(A)ANTHRACENE	228		5	NOT FOUND				
68	S5# 55	C725	3,3'-DICHLOROBENZID	252		5	NOT FOUND				
69	S5# 60	C740	CHRYSENE	228		5	NOT FOUND				
70	S5# 65	C745	BIS(2-ETHYLHEXYL)PH	149	2188	5	2064.	0.040	1.783		
71	S6# 10	C760	DI-N-OCTYL PHTHALAT	149	2310	6	2172.	0.057	1.127		
72	S6# 15	C765	BENZO(B)FLUORANTHEN	252		6	NOT FOUND				
73	S6# 25	C770	BENZO(K)FLUORANTHEN	252		6	NOT FOUND				
74	S6# 35	C775	BENZO(A)PYRENE	252		6	NOT FOUND				
75	S6# 55	C780	INDENO(1,2,3-CD)PYR	276		6	NOT FOUND				
76	S6# 60	C785	DIBENZ(A,H)ANTHRACE	278		6	NOT FOUND				
77	S6# 65	C790	BENZO(G,H,I)PERYLEN	276		6	NOT FOUND				

02859

DUAL MASS SPECTRUM
06/01/88 14:37:00 + 27:21
SAMPLE: 59436-BL 4/23 100Z/1ML BNA
CONDS.: ST
ENHANCED (S 15B 2N 0T)

DATA: 559436R963 #2188 BASE M/Z: 149/ 149
CALI: 053188CR #4 RIC: 2543./ 3215.



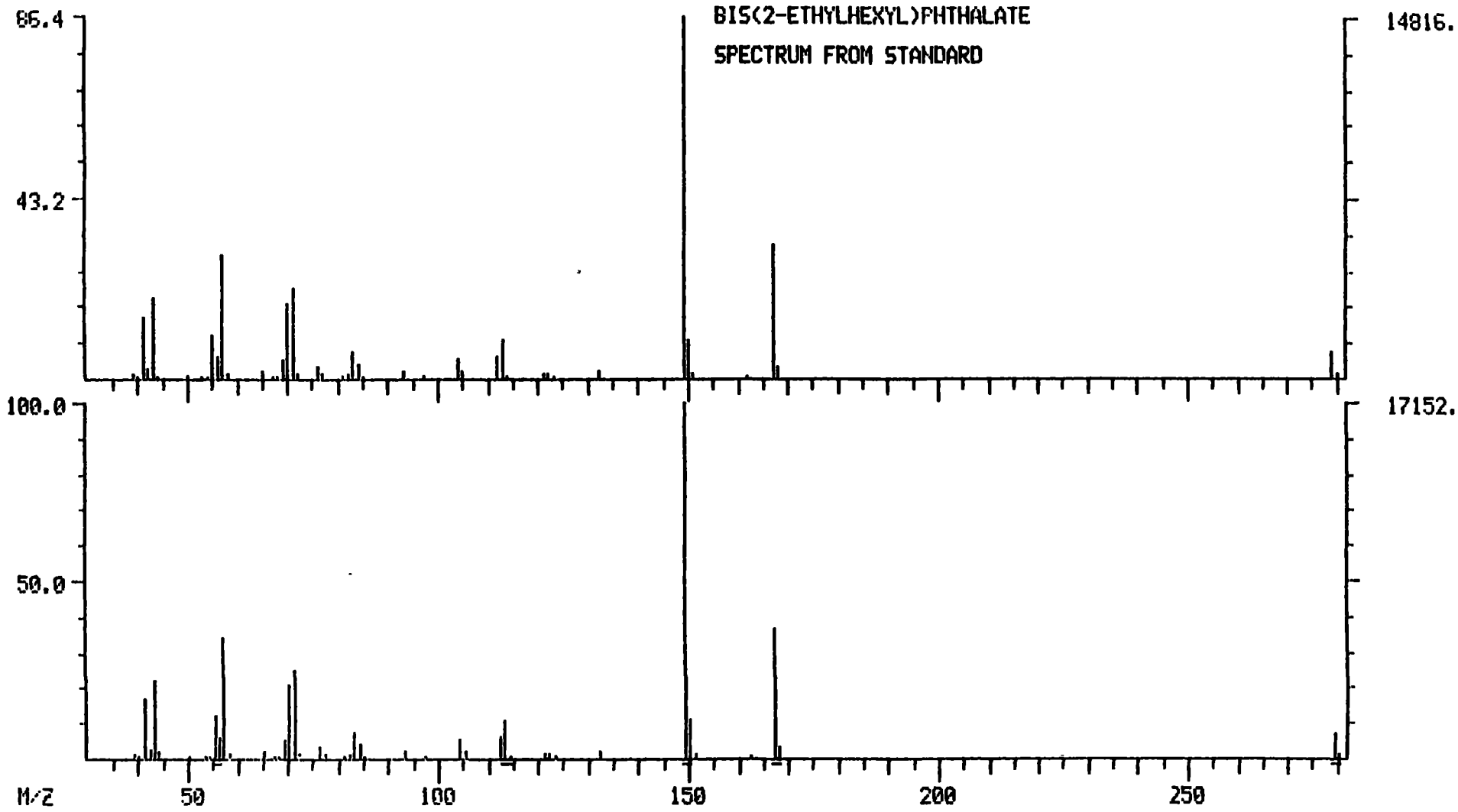
SAMPLE #1 RACK #4 VIAL #5

02860

DUAL MASS SPECTRUM
10/29/86 13:35:00 + 30:27
SAMPLE: 50PPM HSL STD
CONDS.: DESC ST
ENHANCED (S 15B 2N 0T)

DATA: STDR810 #2436
CALI: 103086C #5

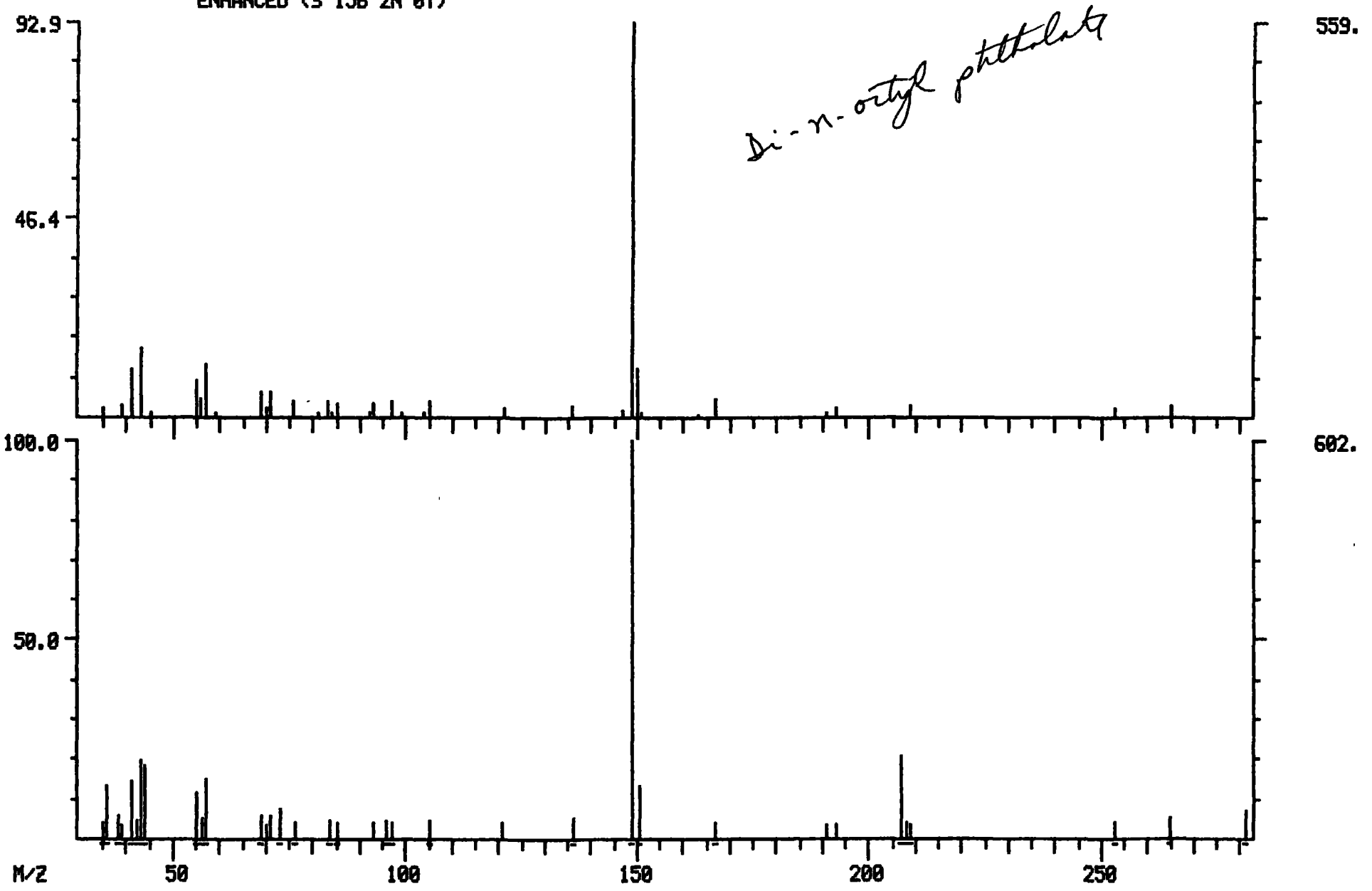
BASE M/Z: 149/ 149
RIC: 55167./ 63807.



02861

DUAL MASS SPECTRUM
06/01/88 14:37:00 + 28:52
SAMPLE: 59436-BL 4/23 100%/1ML BNA
CONDS.: ST
ENHANCED (S 15B 2N 0T)

DATA: S59436R963 #2310 BASE M/Z: 149/ 149
CALI: 053188CR #4 RIC: 1381./ 2087.

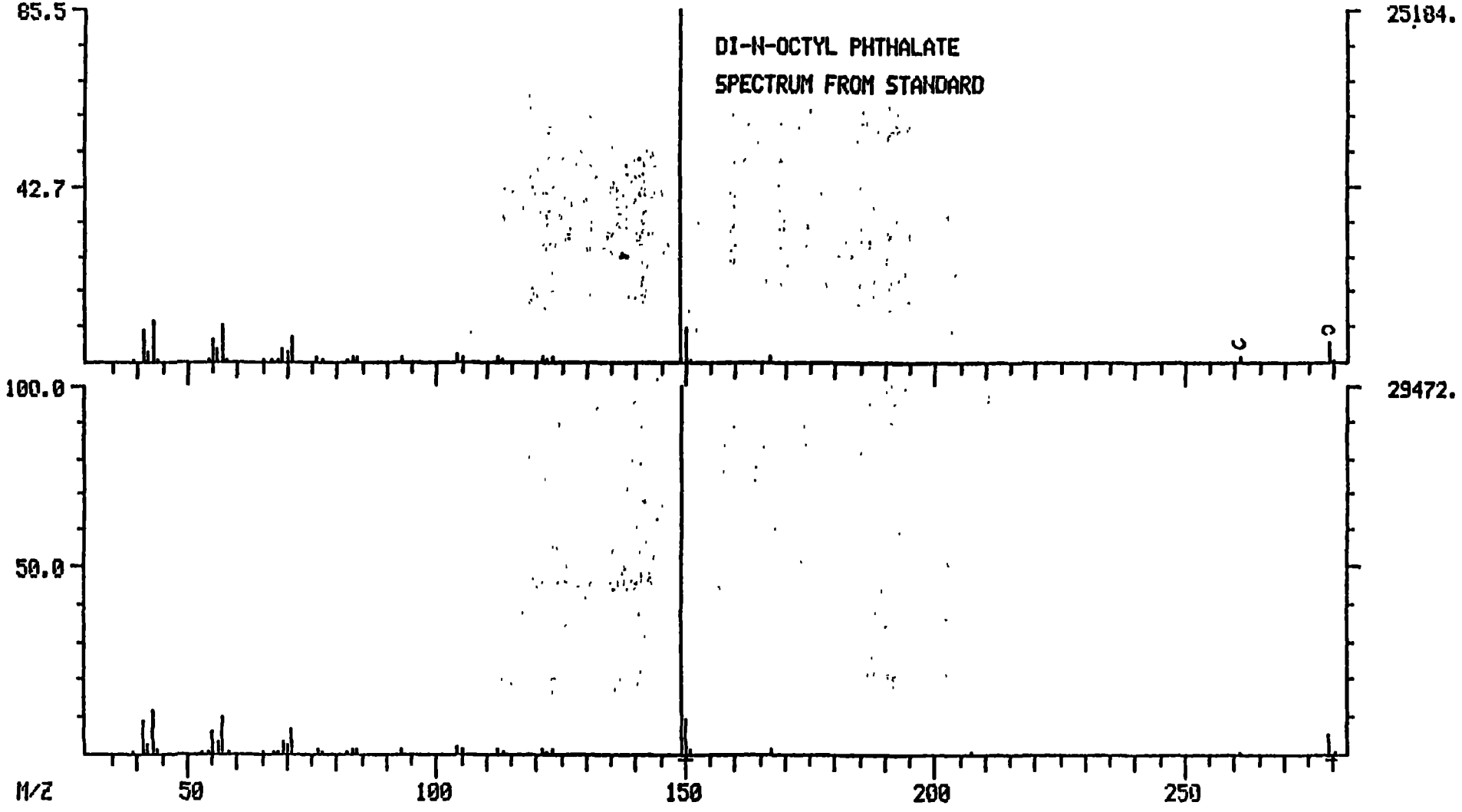


02862

DUAL MASS SPECTRUM
10/29/86 13:35:00 + 32:18
SAMPLE: 50PPM HSL STD
CONDS.: DESC ST
ENHANCED (S 15B 2N 0T)

DATA: STDR810 #2584
CALI: 103086C #5

BASE M/Z: 149/ 149
RIC: 50111./ 58623.



DATA REDUCED BY: AR DATE: 6-7-88 DATA FILE: S59436R963
DATA REVIEWED BY: ____ DATE: ____

02863

ENSECO TIC REPORT (PAGE 1)

SAMPLE: 59436-BL 4/23 100%/1ML BNA RUN FACTOR: 1.00
CONDITIONS: ST ANALYST: MD

#	SCAN	Q	C	CONCENTRATION IN SAMPLE (UG/ML)	CAS #	COMPOUND
1	314		2	10.	108-87-2	CYCLOHEXANE, METHYL-
2	369		2	6.7	108-88-3	BENZENE, METHYL- VOA
3	393	C	1	12.	00-00-0	OXYGENATED HYDROCARBON
4	435	C	1	7.4	00-00-0	OXYGENATED HYDROCARBON
5	469	C	1	17.	00-00-0	OXYGENATED HYDROCARBON
6	623	I	2	11.	96-19-5	1-PROPENE, 1,2,3-TRICHLORO-

edit complete

DATA FILE: S59436R963

02864

ENSECO TIC REPORT (PAGE 2)

CONCENTRATION = AREA(TIC)*CONC(IS)/AREA(IS)

#	FIT	PURITY	INT. STD.	RT	RRT	AREA	HEIGHT	AMOUNT AS ANALYZED (UG/ML)	LIB	LIB #
1	982	881	1	3:55	0.442	37559.	13550.	10.096	NB	1138.
2	0	935	1	4:36	0.519	24845.	12153.	6.679	NB	850.
3	885	812	1	4:54	0.553	44529.	17477.	11.970	BC	2.
4	921	739	1	5:26	0.611	27493.	9759.	7.391	BC	2.
5	814	780	1	5:51	0.659	63925.	22026.	17.184	BC	2.
6	938	769	1	7:47	0.873	39733.	15584.	10.681	NB	6445.

TIC SELECTION REPORT

DATA FILE: S59436R963

THE FOLLOWING PEAKS WERE REJECTED BECAUSE AT LEAST 50 % OF THEIR SIZE WAS ACCOUNTED FOR BY TARGET COMPOUNDS ELUTING WITHIN 3 SCANS OF THE PEAK TOP.

SCAN	SIZE	AMOUNT
336	91103.	24.489
517	253019.	68.014
664	287373.	77.248
717	148804.	39.999
822	103455.	27.809
955	193060.	39.999
1177	153468.	31.796
1313	200125.	44.147
1616	181325.	39.999
1953	143262.	31.603
2170	132290.	47.185
2452	112145.	39.999

TOTAL NUMBER OF UNIDENTIFIED PEAKS WITH SIZE GREATER THAN 10 % OF THE CLOSEST INTERNAL STANDARD (WITHOUT INTERFERENCES) = 7

INTERNAL STANDARD DATA IS LISTED BELOW. IS FOR WHICH RIC SIZE DIFFERS FROM THE ESTIMATED RIC SIZE BY MORE THAN 60 % ARE CONSIDERED TO HAVE INTERFERENCES, AND ARE NOT USED FOR QUANTITATION.

#	LIB	LIB#	RIC SIZE	ESTIMATED RIC SIZE	INTERFERENCE
1	S1	1	148804.	135341.	
2	S2	1	193060.	126907.	
3	S3	1	200125.	99901.	*
4	S4	1	181325.	117534.	
5	S5	1	132290.	78955.	*
6	S6	1	112145.	82268.	

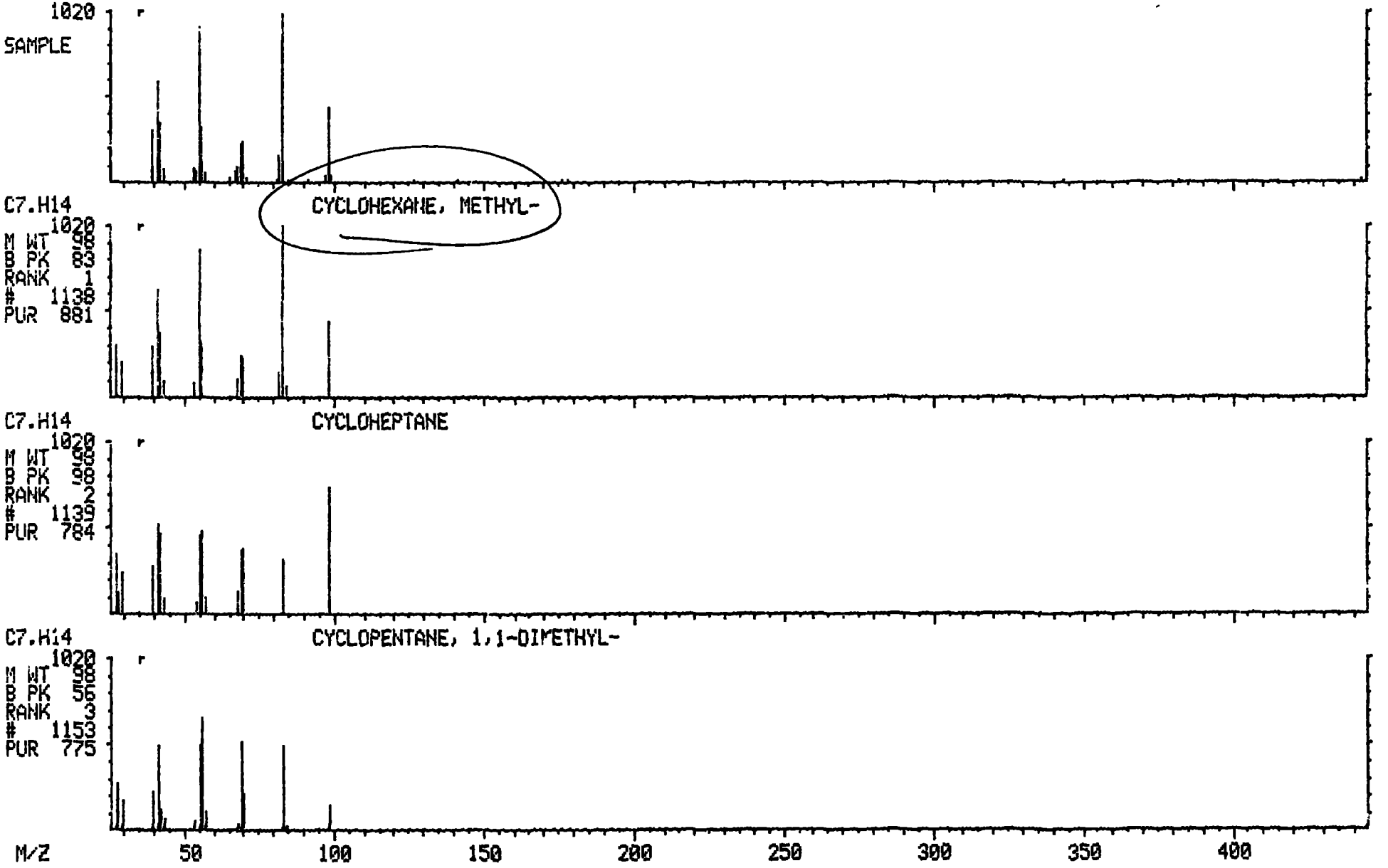
SIZE = AREA

99820

LIBRARY SEARCH
06/01/88 14:37:00 + 3:55
SAMPLE: 59435-BL 4/23 100%/1ML BNA
CONDS.: ST
ENHANCED (S 15B 2N 0T)

DATA: 559436R963 # 314
CALI: 053188CR # 4

BASE M/Z: 83
RIC: 10671.

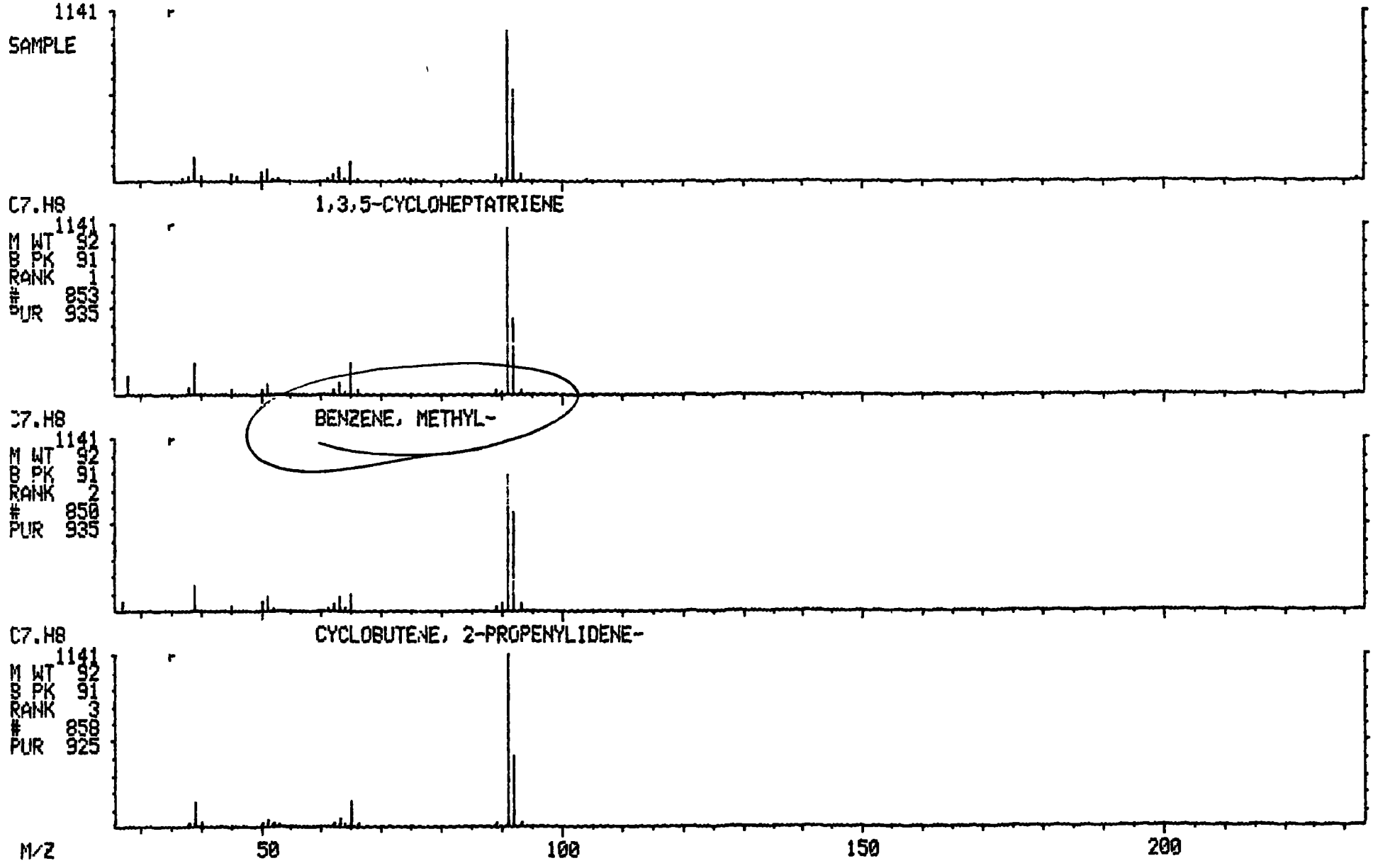


02867

LIBRARY SEARCH
06/01/88 14:37:00 + 4:37
SAMPLE: 59436-BL 4/23 100%/1ML BNA
CONDS.: ST
ENHANCED (S 15B 2N 0T)

DATA: S59436R963 # 359
CALI: 053188CR # 4

BASE M/Z: 91
RIC: 9647.

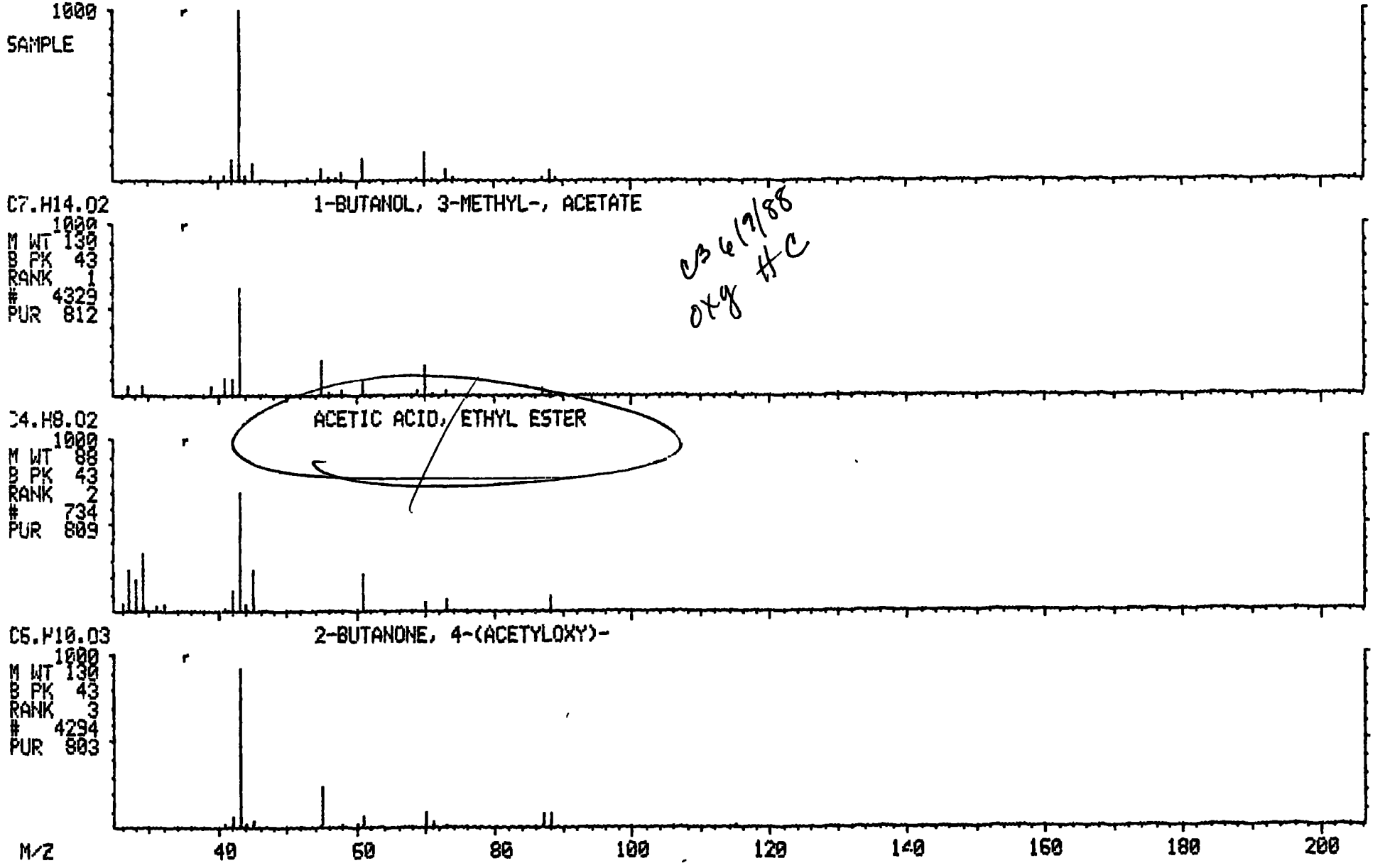


02868

LIBRARY SEARCH
06/01/88 14:37:00 + 4:55
SAMPLE: 59436-BL 4/23 100%/1ML BNA
CONDS.: ST
ENHANCED (S 15B 2N 0T)

DATA: S59436R363 # 393
CALI: 053188CR # 4

BASE M/Z: 43
RIC: 15311.

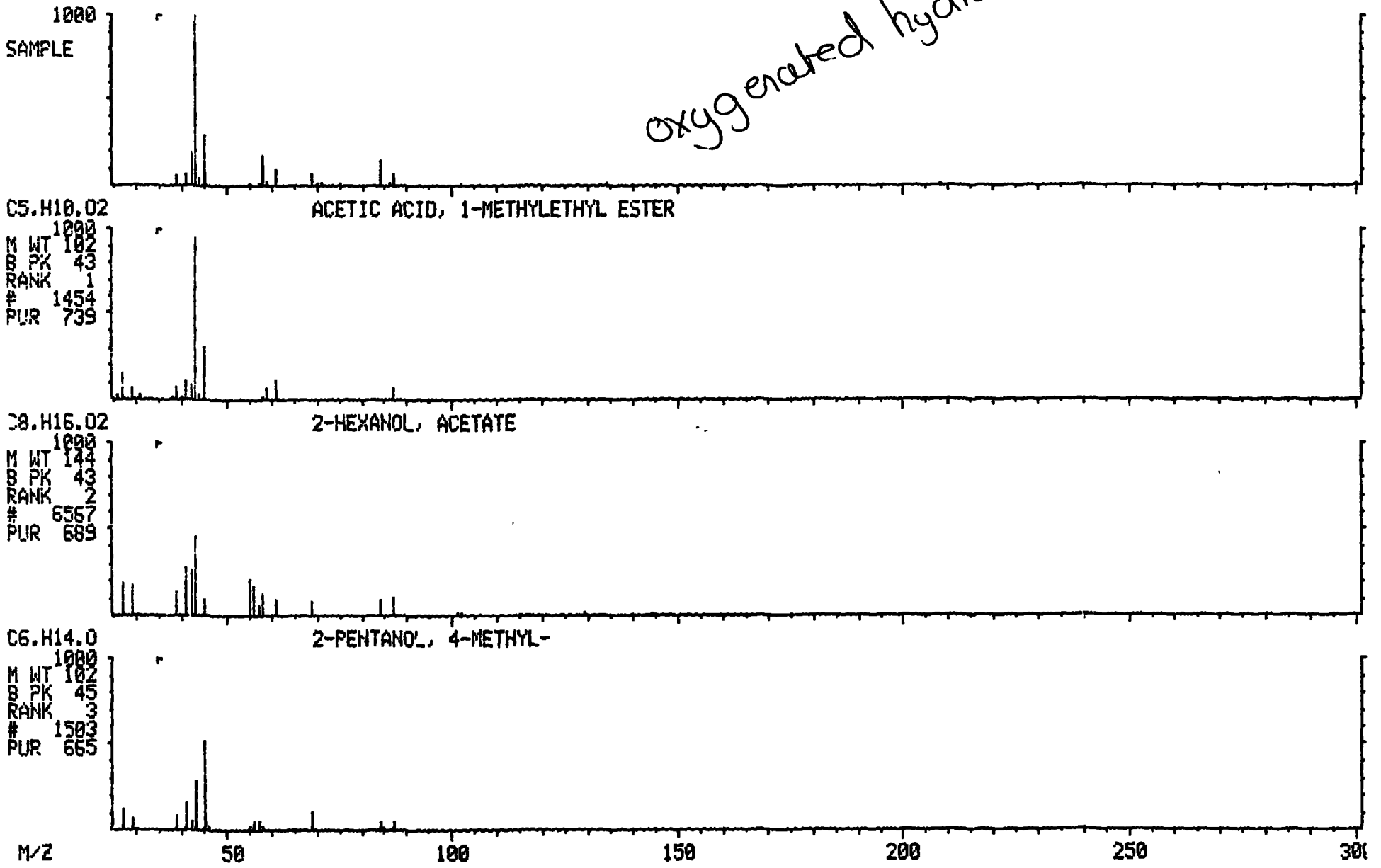


02869

LIBRARY SEARCH
05/01/88 14:37:00 + 5:26
SAMPLE: 59436-BL 4/23 100%/1ML BNA
CONDS.: ST
ENHANCED (S 15B 2N 0T)

DATA: S59436R963 # 435 BASE M/Z: 43
CALI: 053188CR # 4 RIC: 8975.

oxygenated hydrocarbon

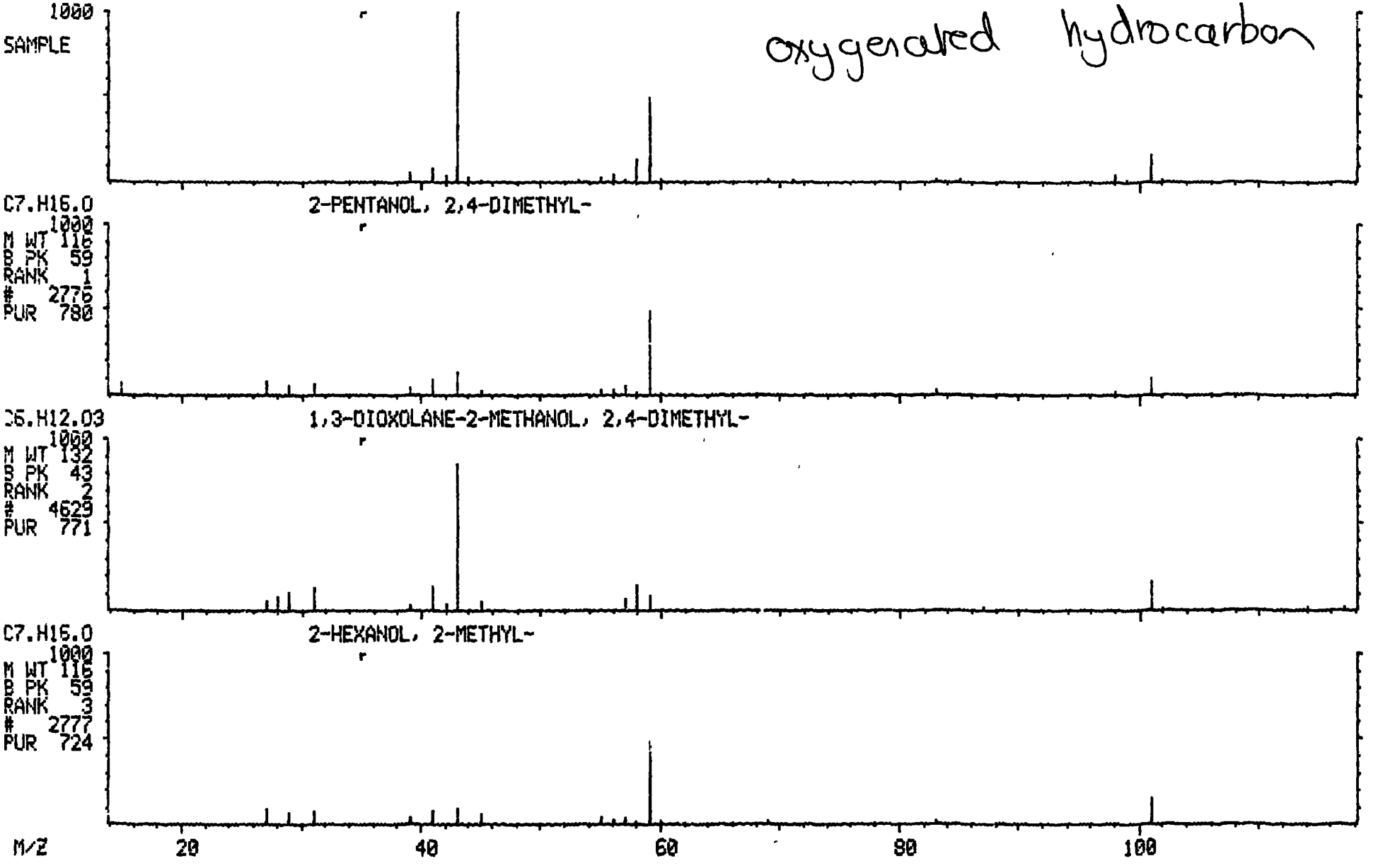


02870

LIBRARY SEARCH
06/01/88 14:37:00 + 5:52
SAMPLE: 59436-BL 4/23 100%/1ML BNA
CONDS.: ST
ENHANCED (S 15B 2N 0T)

DATA: 559436R963 # 469
CALI: 053188CR # 4

BASE M/Z: 43
RIC: 20031.

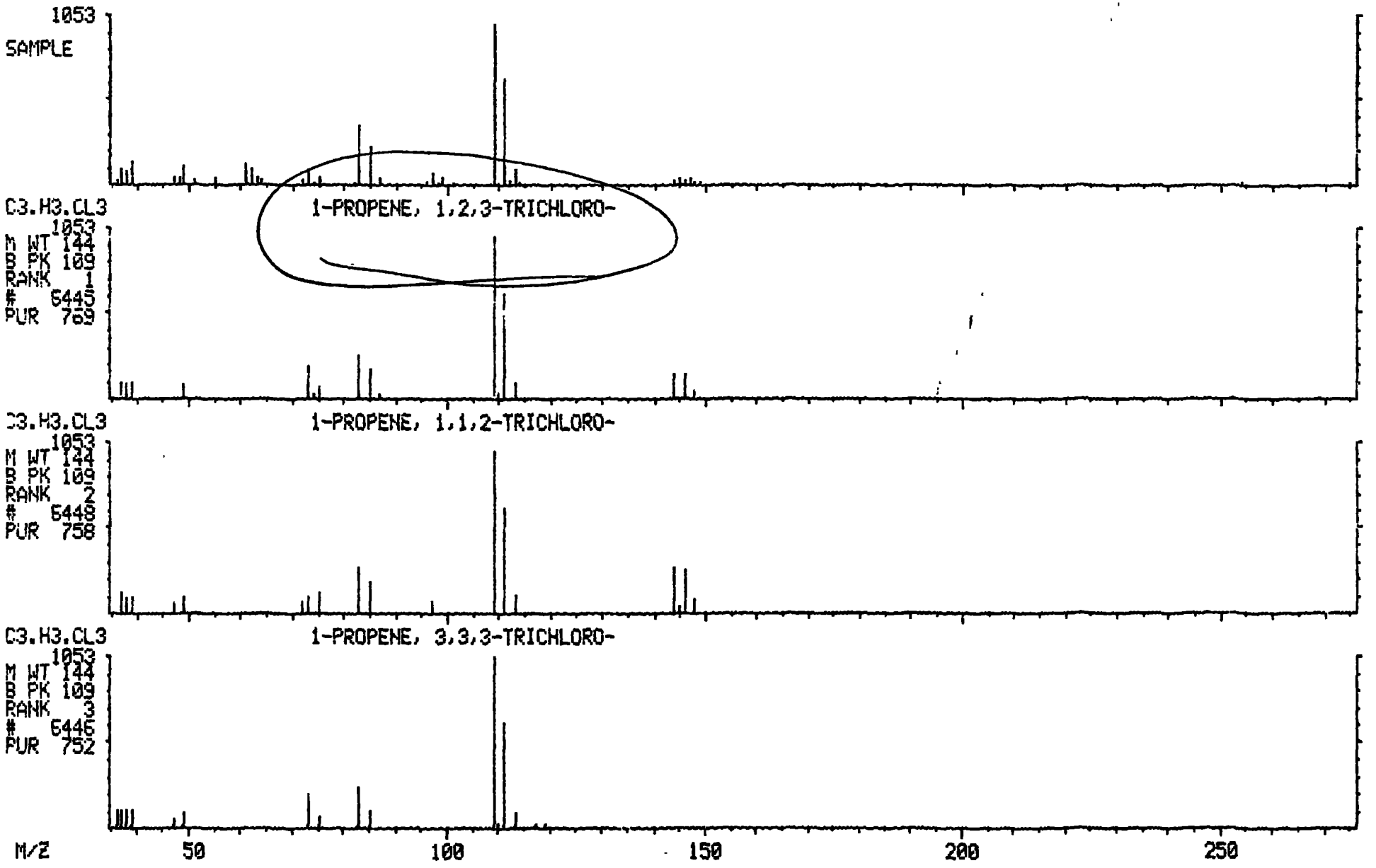


02871

LIBRARY SEARCH
05/01/88 14:37:00 + 7:47
SAMPLE: 59436-BL 4/23 100%/1ML BNA
CONDS.: ST
ENHANCED (S 15B 2N 0T)

DATA: 559436R963 # 623
CALI: 053188CR # 4

BASE M/Z: 109
RIC: 12927.



PROCEDURE: TCA DIAGNOSTIC REPORT 6/03/88 17:20:36
DATA FILE: S59436R963
REFERENCE: 11TABLE
NAME LIST: LLNL INITIALIZATION OPTION: 2 PROCESSING OPTION: 3 02872
REPORT: IS01

< ---- STANDARDS ----- ><				--- PLUS UNKNOWNS --- ><				- LIST NAMES - >
PROC	USED	POSS	RMS	PROC	USED	POSS	RMS	STANDARD/UNKNOWN
1	1	1	0	13	9	2	396	IS01/TC01
3	3	1	33	14	10	1	241	IS02/TC02

26 COMPOUNDS PROCESSED, 18 FOUND

< COMPOUND ><			---------- SEARCH ---------- >< SAT ><							------ CHRO ------- >			
NO	LIB	ENTRY	REF	PRED	SEL	DELTA	PEAKS	FIT	PEAKS	M/Z	TOP	DELTA	PEAKS
1	S1	1	-715	716	716	.	1	971	.	152	716	.	1
2	S1	4	-335	338	336	-2	1	991	.	84	336	.	1
3	S1	20	-337	340	.	.	.	.	.	79	339	.	1
4	S1	30	-431	435	.	.	.	.	.	93	.	.	.
5	S1	62	-496	501	.	.	.	.	.	93	.	.	.
6	S1	64	-526	531	531	.	1	928	.	107	531	.	1
7	S1	73	-558	563	561	-2	1	885	.	106	561	.	1
8	S1	83	-594	599	605	6	1	941	.	107	606	1	1
9	S1	87	-615	620	626	6	1	976	.	107	626	.	1
10	S1	88	-635	641	.	.	.	.	.	107	.	.	.
11	S1	89	-643	649	650	1	1	864	.	107	650	.	1
12	S1	92	-663	669	666	-3	2	992	.	107	666	.	1
13	S1	122	-700	706	706	.	1	975	.	107	706	.	1
14	S2	1	-954	955	955	.	1	996	.	136	955	.	1
15	S3	1	-1311	1313	1313	.	1	993	.	164	1313	.	1
16	S1	137	-731	732	733	1	1	953	.	106	733	.	1
17	S1	142	-745	746	746	.	1	940	.	106	746	.	1
18	S1	187	-799	800	798	-2	1	886	.	108	797	-1	1
19	S1	202	-822	823	829	6	1	897	.	106	830	1	1
20	S1	203	-827	828	829	1	1	897	.	106	830	1	1
21	S1	204	-847	848	846	-2	1	929	.	122	846	.	1
22	S2	27	-898	899	.	.	.	.	.	107	898	.	1
23	S2	37	-922	923	.	.	.	.	.	107	921	.	1
24	S2	47	-937	938	.	.	.	.	.	107	936	.	1
25	S2	57	-955	956	.	.	.	.	.	107	955	.	1
26	S2	150	-1118	1119	1118	-1	1	889	.	142	1118	.	1

Quantitation Report File: S59436R963

02873

Data: S59436R963.TI
06/01/88 14:37:00
Sample: 59436-BL 4/23 100%/1ML BNA
Conds.: ST
Formula: AUTO INJ Instrument: 4500 Weight: 0.000
Submitted by: RMAL Analyst: MD Acct. No.:

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

No	Name		
1	CI30 1,4-DICHLOROBENZENE-D4	152IS1# 01	3855-82-1
2	PYRIDINE-D5	84 S1# 04	
3	PYRIDINE	79 S1# 20	110-86-1
4	2-PICOLINE	93 S1# 30	109-06-8
5	3 & 4-PICOLINE	93 S1# 62	
6	2,6-LUTIDINE	107 S1# 64	
7	2-ETHYL PYRIDINE	106 S1# 73	
8	2,4 & 2,5-LUTIDINE	107 S1# 83	
9	2,3-LUTIDINE	107 S1# 87	
10	3-ETHYL PYRIDINE	107 S1# 88	
11	4-ETHYL PYRIDINE	107 S1# 89	
12	3,5-LUTIDINE	107 S1# 92	
13	3,4-LUTIDINE	107 S1#122	
14	CI40 NAPHTHALENE-D8	136IS2# 01	1146-65-2
15	CI50 ACENAPHTHENE-D10	164IS3# 01	15067-26-2
16	2-METHYL-5-ETHYL PYRIDINE	106 S1#137	
17	2-METHYL-3-ETHYL PYRIDINE	106 S1#142	
18	M AND P CRESOLS	108 S2#187	
19	3-ETHYL-4-METHYL PYRIDINE	106 S1#202	
20	3-ETHYL-5-METHYL PYRIDINE	106 S1#203	
21	2,6-DIMETHYL PHENOL	122 S1#204	
22	2,5-DIMETHYL PHENOL	107 S2# 27	
23	3,5-DIMETHYL PHENOL	107 S2# 37	
24	2,3-DIMETHYL PHENOL	107 S2# 47	
25	3,4-DIMETHYL PHENOL	107 S2# 57	
26	1-METHYLNAPHTHALENE	142 S2#150	90-12-0

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount	%Tot
1	152	716	8:57	1	1.000	A BV	22127.	40.000 UG/ML	25.11
2	84	336	4:12	1	0.469	A BB	30883.	24.993 UG/ML	15.69
3	79	339	4:14	1	0.473	A BB	363.	0.335 UG/ML	0.21
4	NOT FOUND								
5	NOT FOUND								
6	107	531	6:38	1	0.742	A BB	514.	0.454 UG/ML	0.29
7	106	561	7:01	1	0.784	A BB	406.	0.306 UG/ML	0.19
8	107	606	7:34	1	0.846	A BB	685.	0.734 UG/ML	0.46
9	107	626	7:49	1	0.874	A BB	705.	0.707 UG/ML	0.44
10	NOT FOUND								
11	107	650	8:07	1	0.908	A BB	725.	0.907 UG/ML	0.57
12	107	666	8:19	1	0.930	A BB	925.	1.045 UG/ML	0.66
13	107	706	8:49	1	0.986	A BB	1048.	1.180 UG/ML	0.74
14	136	955	11:56	14	1.000	A BB	86165.	40.000 UG/ML	25.11
15	164	1313	16:25	15	1.000	A BB	39860.	40.000 UG/ML	25.11
16	106	733	9:10	1	1.024	A BB	664.	0.555 UG/ML	0.35
17	106	746	9:19	1	1.042	A BB	683.	0.817 UG/ML	0.51

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount		%Tot
18	108	797	9:58	1	1.113	A BB	413.	0.490	UG/ML	0.31
19	106	830	10:22	1	1.159	A BV	707.	3.059	UG/ML	1.92
20	106	830	10:22	1	1.159	A BV	707.	0.955	UG/ML	0.60
21	122	846	10:34	1	1.182	A BB	288.	0.435	UG/ML	0.27
22	107	898	11:13	14	0.940	A BB	293.	0.383	UG/ML	0.24
23	107	921	11:31	14	0.964	A BB	337.	0.451	UG/ML	0.28
24	107	936	11:42	14	0.980	A BB	329.	0.412	UG/ML	0.26
25	107	955	11:56	1	1.334	A BB	851.	0.827	UG/ML	0.52
26	142	1118	13:58	14	1.171	A BB	405.	0.269	UG/ML	0.17

No	Ret(L)	Ratio	RRT(L)	Ratio	Amnt	Amnt(L)	R.Fac	R.Fac(L)	Ratio
1	8:57	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
2	4:11	1.00	0.468	1.00	24.99	50.00	1.117	2.234	0.50
3	4:13	1.01	0.471	1.01	0.34	50.00	0.013	1.958	0.01
4	5:23		0.602						
5	6:12		0.693						
6	6:34	1.01	0.735	1.01	0.45	50.00	0.019	2.046	0.01
7	6:58	1.01	0.779	1.01	0.31	50.00	0.015	2.397	0.01
8	7:25	1.02	0.830	1.02	0.73	50.00	0.025	1.688	0.01
9	7:41	1.02	0.859	1.02	0.71	50.00	0.025	1.803	0.01
10	7:56		0.887						
11	8.02	1.01	0.898	1.01	0.91	50.00	0.026	1.445	0.02
12	8:17	1.00	0.926	1.00	1.04	50.00	0.033	1.600	0.02
13	8:45	1.01	0.978	1.01	1.18	50.00	0.038	1.605	0.02
14	11:56	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
15	16:24	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
16	9:08	1.00	1.021	1.00	0.56	50.00	0.024	2.162	0.01
17	9:19	1.00	1.041	1.00	0.82	50.00	0.025	1.512	0.02
18	9:59	1.00	1.116	1.00	0.49	50.00	0.015	1.522	0.01
19	10:16	1.01	1.148	1.01	3.06	50.00	0.026	0.418	0.06
20	10:20	1.00	1.155	1.00	0.95	50.00	0.026	1.339	0.02
21	10:35	1.00	1.183	1.00	0.43	50.00	0.010	1.198	0.01
22	11:13	1.00	0.940	1.00	0.38	50.00	0.003	0.355	0.01
23	11:31	1.00	0.965	1.00	0.45	50.00	0.003	0.347	0.01
24	11:43	1.00	0.981	1.00	0.41	50.00	0.003	0.370	0.01
25	11:56	1.00	1.334	1.00	0.83	50.00	0.031	1.861	0.02
26	13:58	1.00	1.171	1.00	0.27	50.00	0.004	0.698	0.01

TCA FINISHED, 18 FOUND
FINISHED AT: 6/03/88 17:23:27

RF 2.00
SV 2.00
02875

RMAL QUANTITATION SUMMARY FILE: S59436R963
COMPOUNDS WITH AMOUNTS LESS THAN 1.00 REPORTED AS NOT FOUND

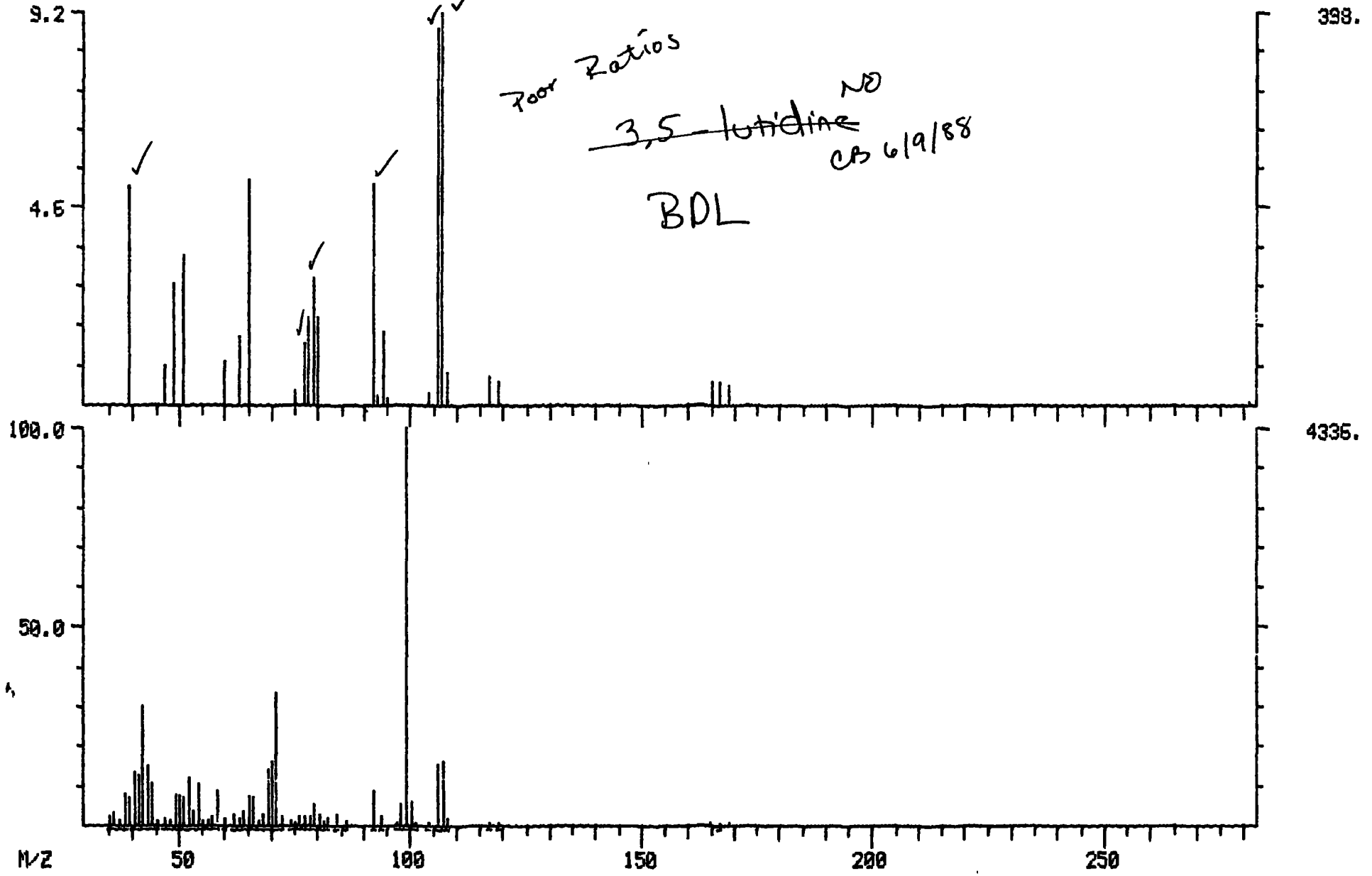
UNITS: UG/ML

NO	LIBRARY ENTRY	NAME	MASS	SCAN	REF	AREA	RRF	AMOUNT
1	S1# 1	CI30 1,4-DICHLOROBENZENE	152	716	1	22127.	1.000	40.000
2	S2# 1	CI40 NAPHTHALENE-D8	136	955	2	86165.	1.000	40.000
3	S3# 1	CI50 ACENAPHTHENE-D10	164	1313	3	39860.	1.000	40.000
4	S1# 4	PYRIDINE-D5	84	336	1	30883.	1.117	24.993
5	S1# 20	PYRIDINE	79		1	NOT FOUND		
6	S1# 30	2-PICOLINE	93		1	NOT FOUND		
7	S1# 62	3 & 4-PICOLINE	93		1	NOT FOUND		
8	S1# 64	2,6-LUTIDINE	107		1	NOT FOUND		
9	S1# 73	2-ETHYL PYRIDINE	106		1	NOT FOUND		
10	S1# 83	2,4 & 2,5-LUTIDINE	107		1	NOT FOUND		
11	S1# 87	2,3-LUTIDINE	107		1	NOT FOUND		
12	S1# 88	3-ETHYL PYRIDINE	107		1	NOT FOUND		
13	S1# 89	4-ETHYL PYRIDINE	107		1	NOT FOUND		
14	S1# 92	3,5-LUTIDINE	107	666	1	925.	0.033	~~1.045~~
15	S1#122	3,4-LUTIDINE	107	706	1	1048.	0.038	✓1.180
16	S1#137	2-METHYL-5-ETHYL PYRIDIN	106		1	NOT FOUND		
17	S1#142	2-METHYL-3-ETHYL PYRIDIN	106		1	NOT FOUND		
18	S1#187	M AND P CRESOLS	108		1	NOT FOUND		
19	S1#202	3-ETHYL-4-METHYL PYRIDIN	106	830	1	707.	0.026	~~3.057~~
20	S1#203	3-ETHYL-5-METHYL PYRIDIN	106		1	NOT FOUND		
21	S1#204	2,6-DIMETHYL PHENOL	122		1	NOT FOUND		
22	S2# 27	2,5-DIMETHYL PHENOL	107		2	NOT FOUND		
23	S2# 37	3,5-DIMETHYL PHENOL	107		2	NOT FOUND		
24	S2# 47	2,3-DIMETHYL PHENOL	107		2	NOT FOUND		
25	S2# 57	3,4-DIMETHYL PHENOL	107		1	NOT FOUND		
26	S2#150	1-METHYLNAPHTHALENE	142		2	NOT FOUND		

02876

DUAL MASS SPECTRUM
06/01/88 14:37:00 + 8:19
SAMPLE: 59436-BL 4/23 100%/1ML BNA
CONDS.: ST
ENHANCED (S 15B 2N 0T)

DATA: S59436R963 #666 BASE M/Z: 107/ 99
CALI: 053188CR #4 RIC: 2519./ 19359.



Poor Ratios

~~3,5 lutidine~~ NO
CB 6/9/88

BDL

02877

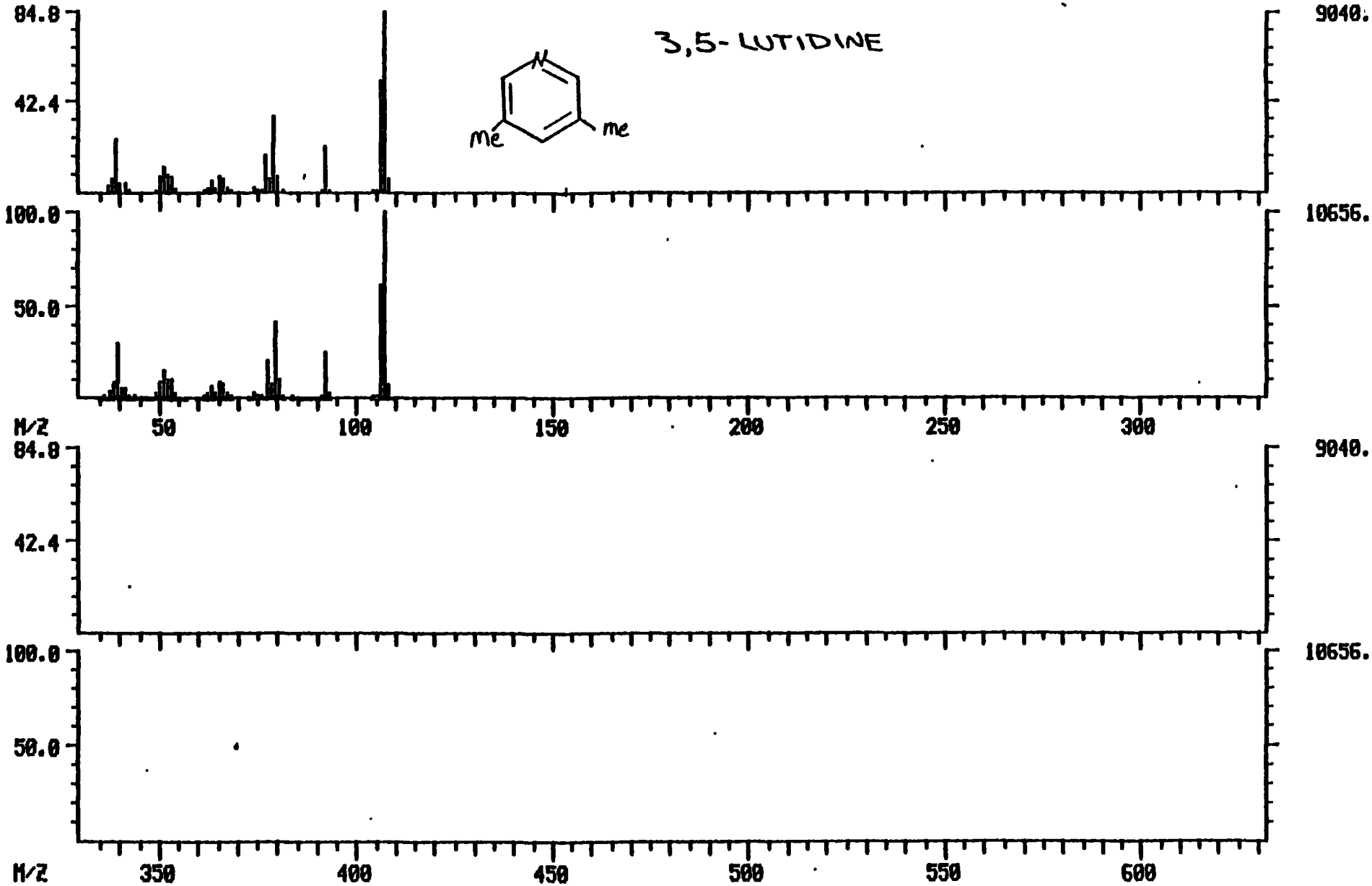
DUAL MASS SPECTRUM
06/02/88 8:33:00 + 8:16
SAMPLE: 50PPM PYRIDINE STD 10/26/87
CONDS.: ST
ENHANCED (5 15B 2N 0T)

DATA: STDR976 #661
CALI: 060288CR #5

BASE M/Z: 107/ 107
RIC: 37567./ 45567.

SPECTRUM FROM THE STANDARD

3,5-LUTIDINE

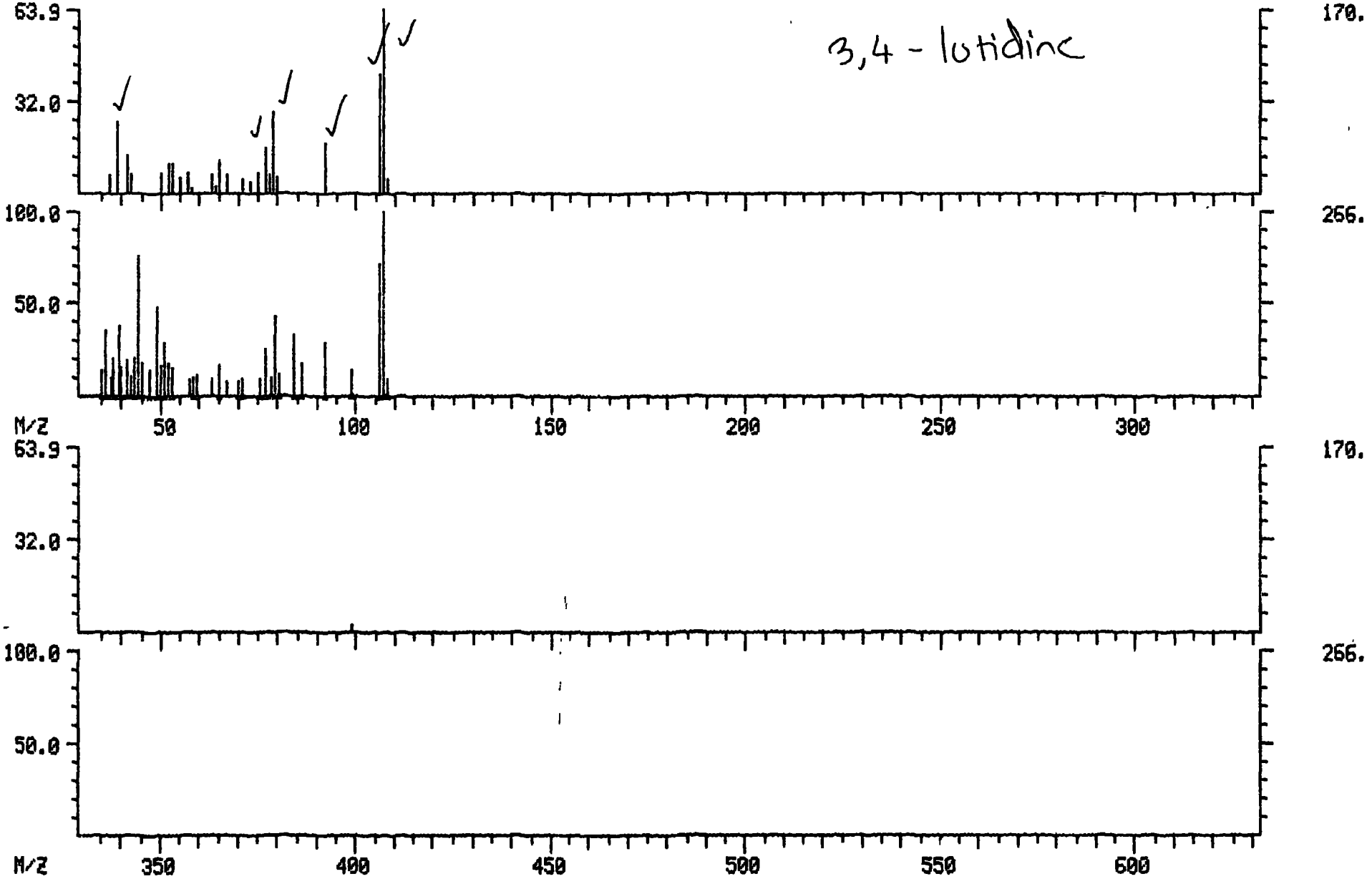


02878

DUAL MASS SPECTRUM
06/01/88 14:37:00 + 8:49
SAMPLE: 59436-BL 4/23 100%/1ML BNA
CONDS.: ST
ENHANCED (S 15B 2N 0T)

DATA: 559436R963 #706 BASE M/Z: 107/ 107
CALI: 053188CR #4 RIC: 852./ 2299.

3,4 - lutidine



02879

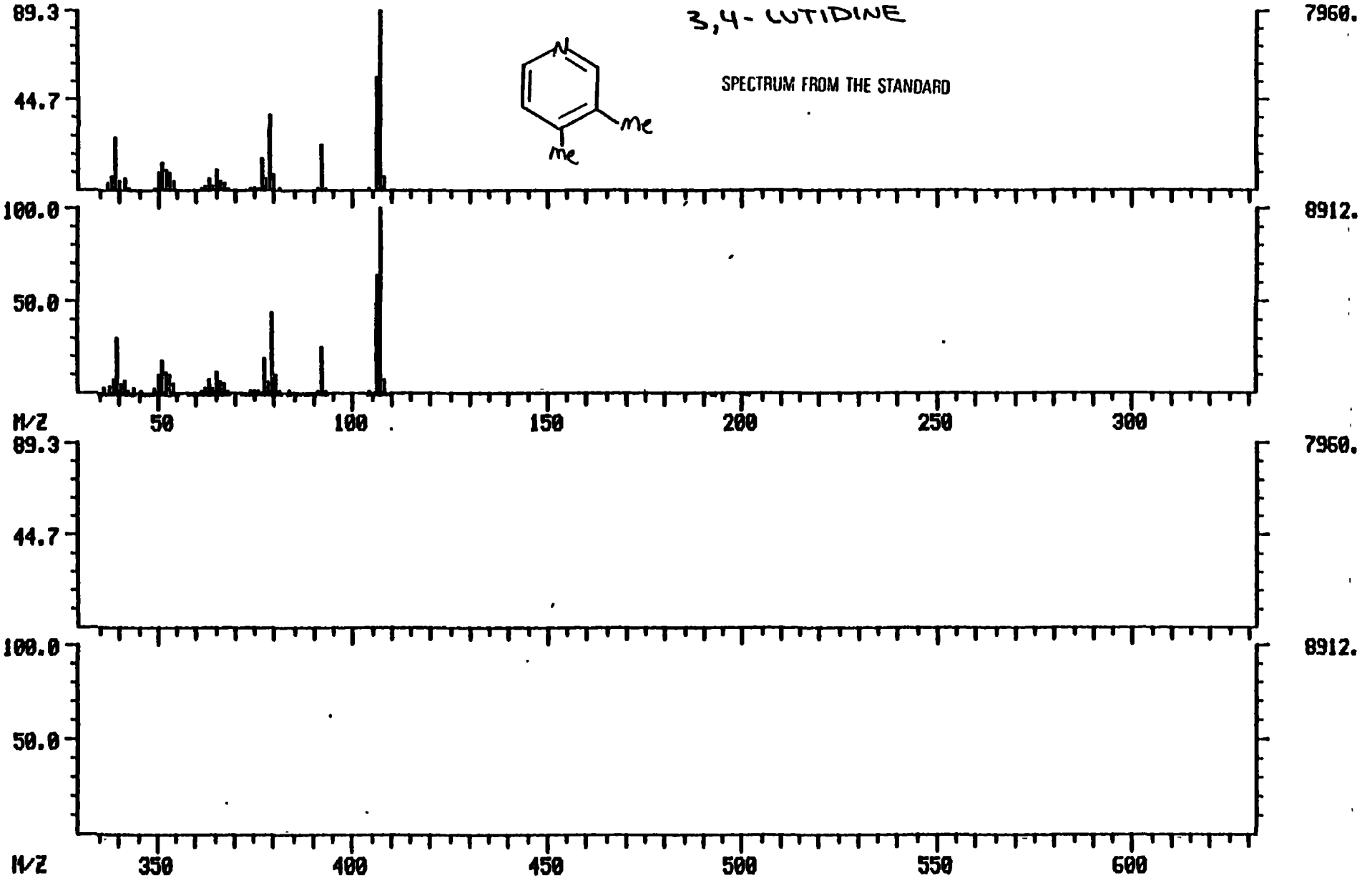
DUAL MASS SPECTRUM
06/02/88 8:33:00 + 8:44
SAMPLE: 50PPM PYRIDINE STD 10/26/87
CONDS.: ST
ENHANCED (S 15B 2N 0T)

DATA: STDR976 #699
CALI: 060288CR #5

BASE M/Z: 107/ 107
RIC: 33407./ 39487.

3,4-LUTIDINE

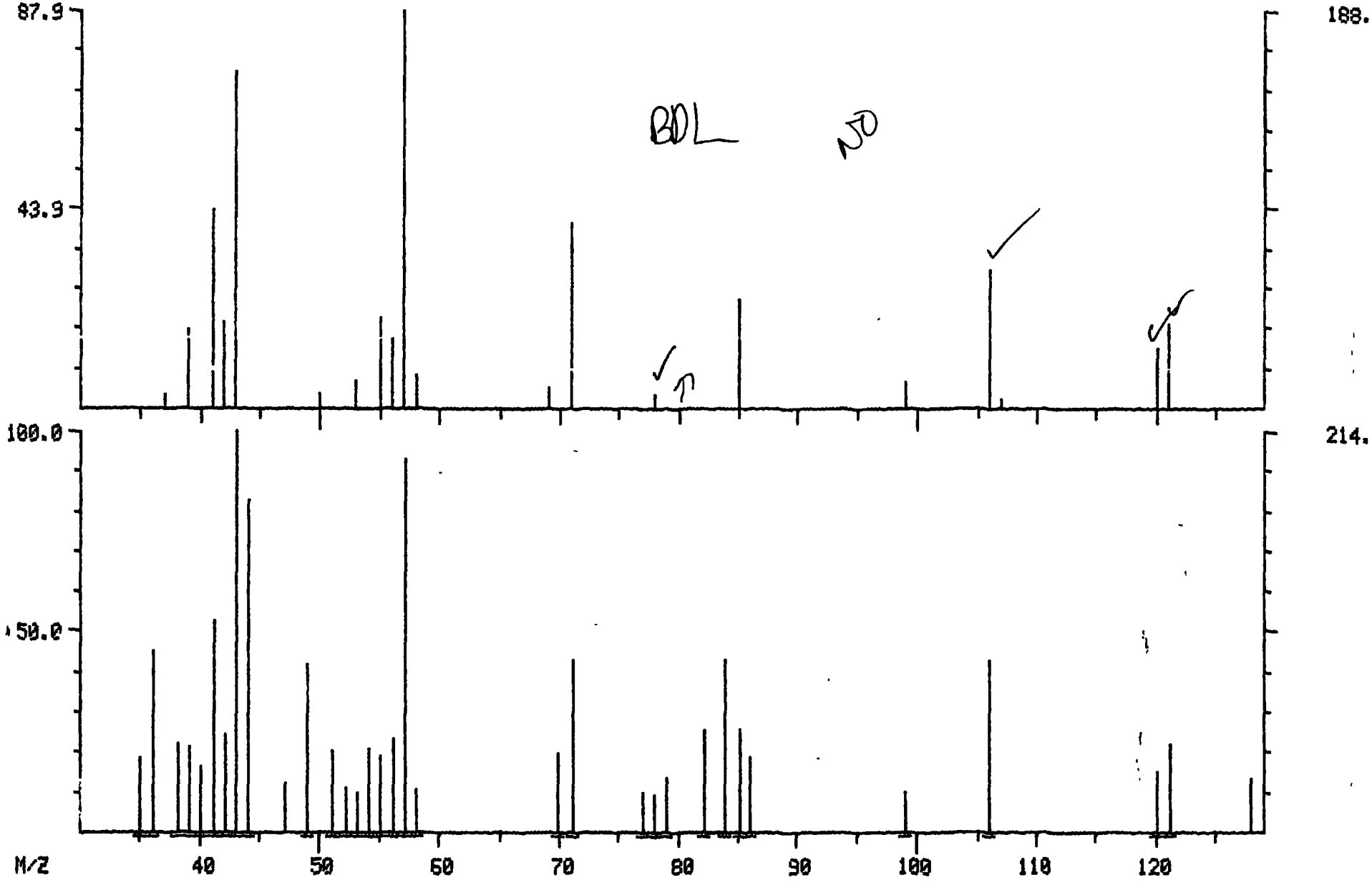
SPECTRUM FROM THE STANDARD



02880

DUAL MASS SPECTRUM
06/01/88 14:37:00 + 10:22
SAMPLE: 59436-BL 4/23 100%/1ML BNA
CONDS.: ST
ENHANCED (S 15B 2N 0T)

DATA: 559436R963 #830 BASE M/Z: 57/ 43
CALI: 053188CR #4 RIC: 934./ 2047.



02881

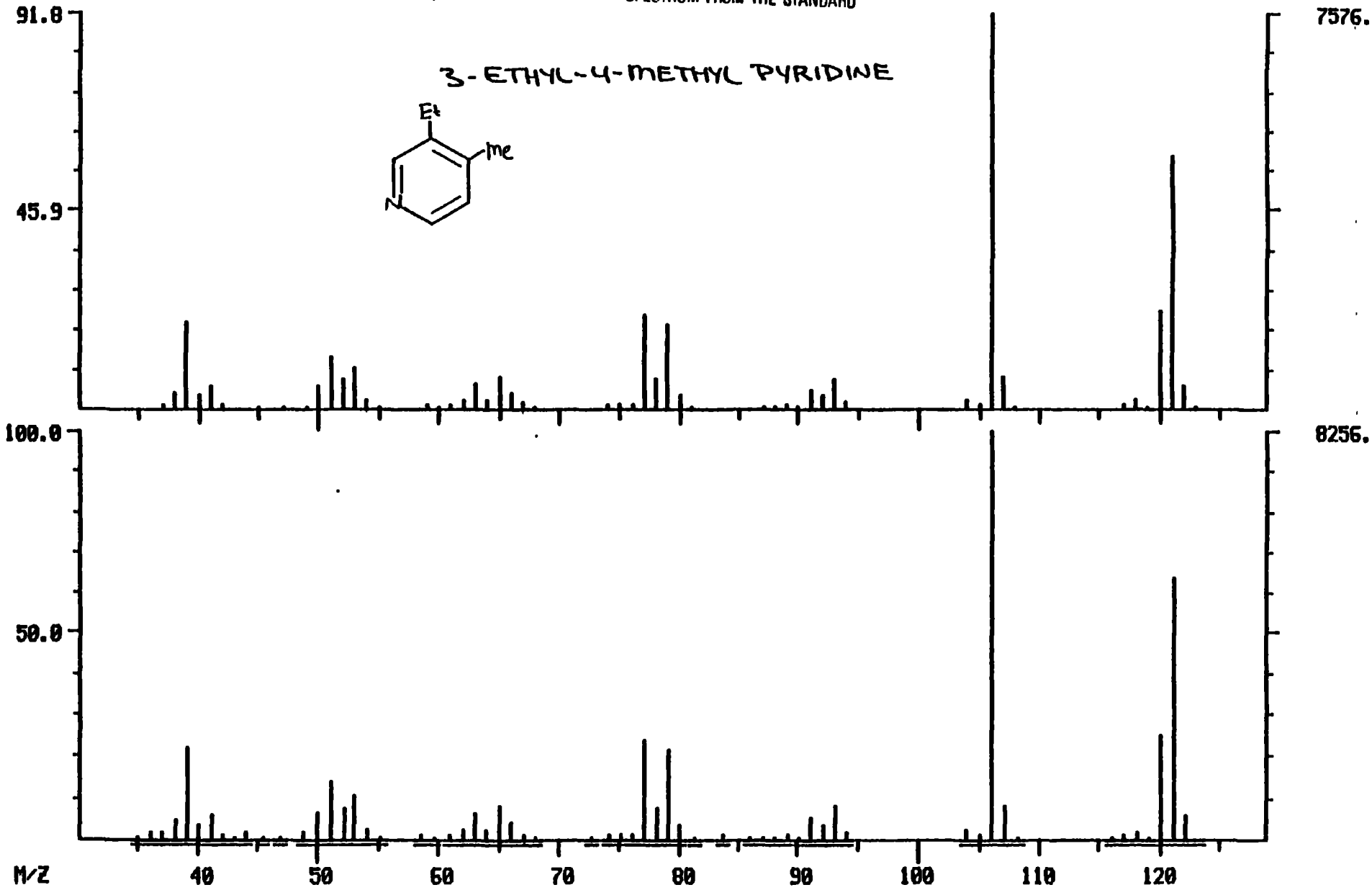
DUAL MASS SPECTRUM
06/02/88 8:33:00 + 10:19
SAMPLE: 50PPM PYRIDINE STD 10/26/87
CONDS.: ST
ENHANCED (5 15B 2N 0T)

DATA: STDR976 #826
CALI: 060288CR #5

BASE M/Z: 106/ 106
RIC: 30111./ 33727.

SPECTRUM FROM THE STANDARD

3-ETHYL-4-METHYL PYRIDINE



RMAL-GC/MS REILLY TAR & CHEMICAL CO PROJECT PROCESSING PROGRAM PAH MB-1
DATAFILE.2:S59436X881. STARTED : 6/07/88 14:27:33

02882

6/7/88 11:19:02 SCAN 1 OF 3900
Acquisition started

Acquire Run 2:S59436X881 ACQUIRING
06/07/88 11:18:00 + 0:03 Free sectors: 7358 Scan: 7 of 3900
Sample: 59436-BL 4/23 100%/0.5ML
Conds.: 2 UL AUTO INJ
Formula: Instrument: 4500 Weight: 80.000
Submitted by: RMAL Analyst: JGG/GW Acct. No:

********** GC PARAMETERS **********
Loaded GC Desc:PA Current GC oven tmp: 29 DegC Injector : 265 DegC
Current GC Desc:PA GC elapsed time : 0: 3 min Int.oven : 300 DegC

Seq.#	Temp(C)	Rate(C/m)	Time(min)	Total time(min)		Open	Close
1	30 - 30	-	1.0	1.0	Sweep/Split	0.5	0.0
2	30 - 325	10.0	29.5	30.5	Divert	45.5	0.0
3	325 - 325	-	15.0	45.5			
4	325 - 325	-	0.0	45.5			

********** SCAN PARAMETERS **********
***** Mode: Centroid positive ion + R1 (Temp)

MID scan Desc: P1 Mass intervals: 3
Scan time: 0.500 s Samp. int.: 0.200 ms Master rate: 1024

Int #	Lo mass	Hi mass	Time	MPW	MFW	MA	TH	BL	ION
1	225.500	226.500	0.105	1	100	0	1	1	Pos
2	227.500	228.500	0.105	1	100	0	1	1	Pos
3	239.500	240.500	0.103	1	100	0	1	1	Pos

Interface number	0	
Sub-interface number	0	
# of acqu buffers	16	
Instrument type	Q	
Full scale mass	1024	u
Zero scale mass	1	u
Intensity/ion	2	
Peak Width	1000.	mmu
Offset at low mass	0	mmu
Offset at high mass	0	mmu
Voltage settling time(MS)	4	

6/7/88 11:47:26 SCAN 3407 OF 3900

MID scan Desc: P2 Mass intervals: 3
Scan time: 0.500 s Samp. Int.: 0.200 ms Master rate: 1024

Int #	Lo mass	Hi mass	Time	MPW	MFW	MA	TH	BL	ION
1	249.575	250.575	0.105	1	100	0	1	1	Pos
2	251.575	252.575	0.105	1	100	0	1	1	Pos
3	263.579	264.579	0.105	1	100	0	1	1	Pos

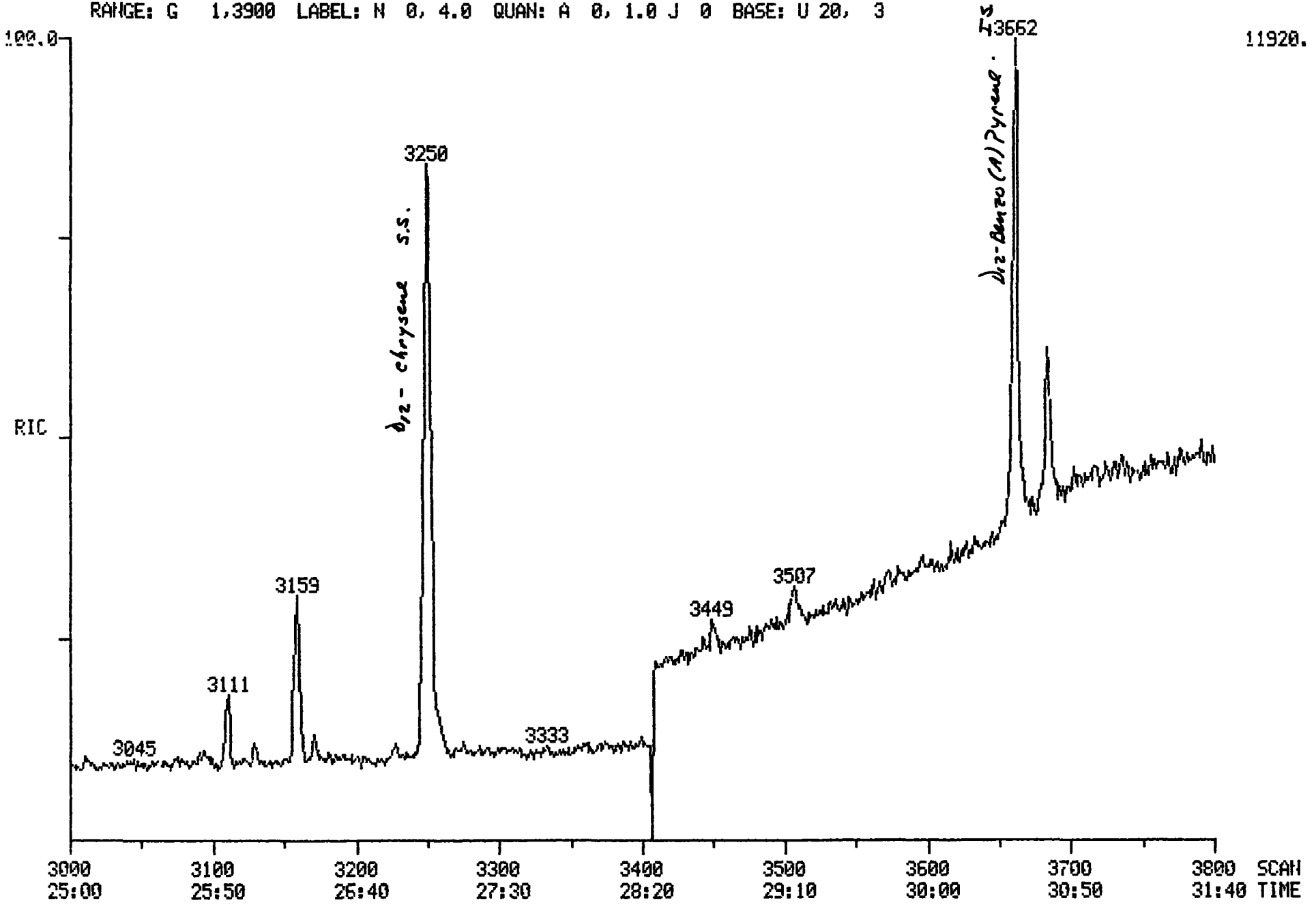
6/7/88 11:51.35
ACQUISITION COMPLETED
SCANS 1 TO 3406 Centroid
SCAN 3407 Suspended
SCANS 3408 TO 3900 Centroid

Mode	Scans	Secs	Out of	%	Peaks per scan	per sec

02883

MIDRIC
06/07/88 11:18:00
SAMPLE: 59436-BL 4/23 100%/0.5ML
CONDS.: 2 UL AUTO INJ
RANGE: G 1,3900 LABEL: N 0, 4.0 QUAN: A 0, 1.0 J 0 BASE: U 20, 3

DATA: S59436X881 #1 SCANS 3000 TO 3800
CALI: 060788CX #2



Quantitation Report File S59436X881

02884

Data: S59436X881.TI
06/07/88 11:18:00
Sample: 59436-BL 4/23 100%/0.5ML
Conds.: 2 UL AUTO INJ
Formula: Instrument: 4500 Weight: 80.000
Submitted by: RMAL Analyst: JGG/GW Acct. No.:

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

No	Name		
1	D12-BENZO(A)PYRENE	264IPH#	01
2	D12-CHRYSENE	240SPH#	02
3	BENZO(A)ANTHRACENE	228 PH#	03
4	BENZO(A)ANTHRACENE	226 PH#	04
5	CHRYSENE	228 PH#	05
6	CHRYSENE	226 PH#	06
7	BENZO(B)FLUORANTHENE	252 PH#	07
8	BENZO(B)FLUORANTHENE	250 PH#	08
9	BENZO(K)FLUORANTHENE	252 PH#	09
10	BENZO(K)FLUORANTHENE	250 PH#	10
11	BENZO(J)FLUORANTHENE	252 PH#	11
12	BENZO(J)FLUORANTHENE	250 PH#	12
13	BENZO(J)FLUORANTHENE	250 PH#	12
14	BENZO(J)FLUORANTHENE	250 PH#	12
15	BENZO(A)PYRENE	252 PH#	13
16	BENZO(A)PYRENE	250 PH#	14
17	BENZO(A)PYRENE	250 PH#	14

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount		%Tot
1	264	3662	30:31	1	1.000	A BB	31159.	80.000	NG/ML	38.49
2	240	3250	27:05	1	0.887	A BB	49359.	91.112	NG/ML	43.83
3	228	3246	27:03	1	0.886	A BV	1365.	2.533	NG/ML	1.22
4	226	3246	27:03	1	0.886	A BB	485.	3.711	NG/ML	1.79
5	228	3258	27:09	1	0.890	A VB	1697.	3.194	NG/ML	1.54
6	226	3258	27:09	1	0.890	A BB	520.	3.756	NG/ML	1.81
7	252	3572	29:46	1	0.975	A BV	1522.	2.457	NG/ML	1.18
8	250	3580	29:50	1	0.978	A BV	356.	2.855	NG/ML	1.37
9	252	3580	29:50	1	0.978	A VV	514.	0.948	NG/ML	0.46
10	250	3580	29:50	1	0.978	A BV	356.	3.401	NG/ML	1.64
11	252	3596	29:58	1	0.982	A VB	692.	1.188	NG/ML	0.57
12	250	3593	29:56	1	0 981	A VB	242.	1.880	NG/ML	0.90
13	250	3596	29:58	1	0.982	A BB	221.	1.717	NG/ML	0.83
14	250	3602	30:01	1	0.984	A BB	225.	1.748	NG/ML	0.84
15	252	3663	30:31	1	1.000	A VB	462.	0.891	NG/ML	0.43
16	250	3674	30:37	1	1.003	A BB	356.	3.326	NG/ML	1.60
17	250	3677	30:38	1	1.004	A BB	336.	3.139	NG/ML	1.51

No	Ret(L)	Ratio	RRT(L)	Ratio	Amnt	Amnt(L)	R.Fac	R.Fac(L)	Ratio
1	30:30	1.00	1.000	1.00	80.00	80.00	1.000	1.000	1.00
2	27:05	1.00	0.888	1.00	91.11	80.00	1.584	1.391	1.14
3	27:02	1.00	0.886	1.00	2.53	80.00	0.044	1.383	0.03
4	27:03	1.00	0.887	1.00	3.71	80.00	0.016	0.336	0.05
5	27:09	1.00	0.890	1.00	3.19	80.00	0.054	1.364	0.04

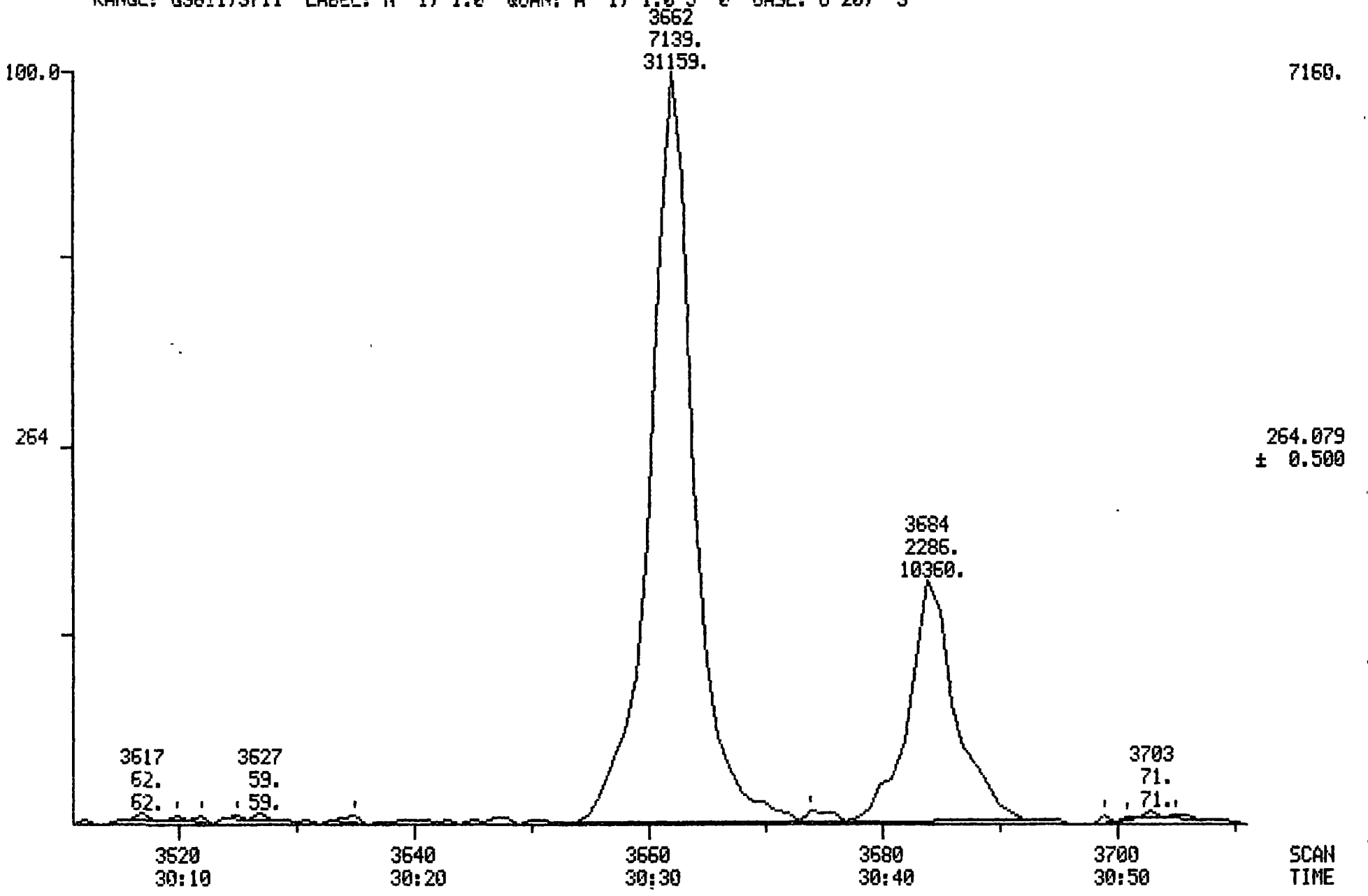
No	Ret(L)	Ratio	RRT(L)	Ratio	Amnt	Amnt(L)	R.Fac	R.Fac(L)	Ratio
6	27.09	1.00	0.890	1.00	3.76	80.00	0.017	0.356	0.05
7	29:47	1.00	0.977	1.00	2.46	80.00	0.049	1.590	0.03
8	29:48	1.00	0.977	1.00	2.85	80.00	0.011	0.320	0.04
9	29.51	1.00	0.979	1.00	0.95	80.00	0.016	1.391	0.01
10	29:52	1.00	0.979	1.00	3.40	80.00	0.011	0.269	0.04
11	29:41	1.01	0.982	1.00	1.19	80.00	0.022	1.496	0.01
12	29:41	1.01	0.982	1.00	1.88	80.00	0.008	0.330	0.02
13	29:41	1.01	0.982	1.00	1.72	80.00	0.007	0.330	0.02
14	29:41	1.01	0.982	1.00	1.75	80.00	0.007	0.330	0.02
15	30:34	1.00	1.002	1.00	0.89	80.00	0.015	1.332	0.01
16	30:34	1.00	1.002	1.00	3.33	80.00	0.011	0.275	0.04
17	30:34	1.00	1.002	1.00	3.14	80.00	0.011	0.275	0.04

02885

02886

MIDMASS CHROMATOGRAM
06/07/88 11:18:00
SAMPLE: 59436-BL 4/23 100%/0.5ML
CONDS.: 2 UL AUTO INJ
D12-BENZO(A)PYRENE 264IPH# 01
RANGE: G3611,3711 LABEL: N 1, 1.0 QUAN: A 1, 1.0 J 0 BASE: U 20, 3

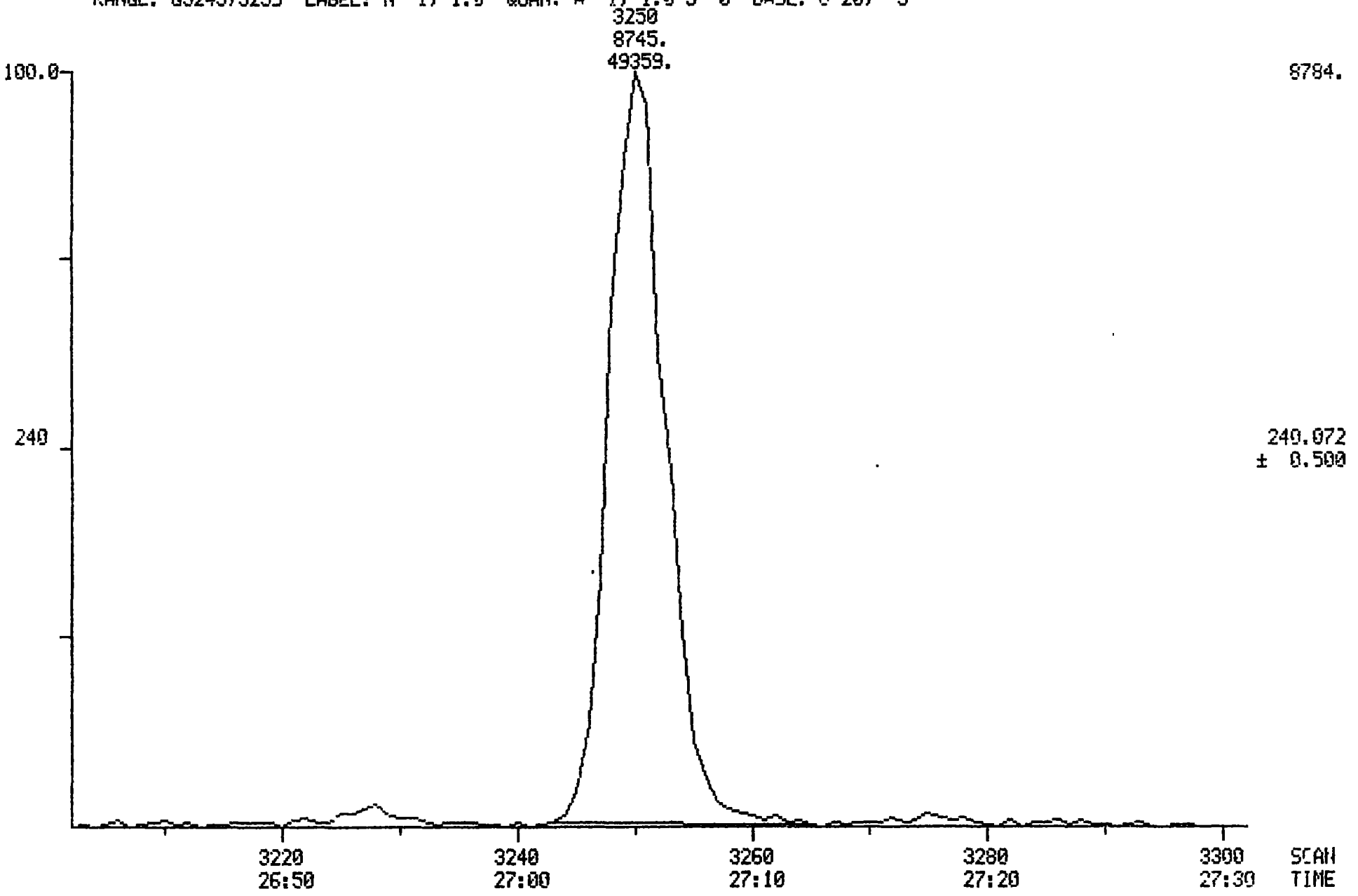
DATA: S59436X881 #3661 SCANS 3611 TO 3711
CALI: 060788CX #2



02887

MIDMASS CHROMATOGRAM
06/07/88 11:18:00
SAMPLE: 59436-BL 4/23 100%/0.5ML
CONDS.: 2 UL AUTO INJ
D12-CHRYSENE 240SPH# 02
RANGE: G3245,3259 LABEL: N 1, 1.0 QUAN: A 1, 1.0 J 0 BASE: U 20, 3

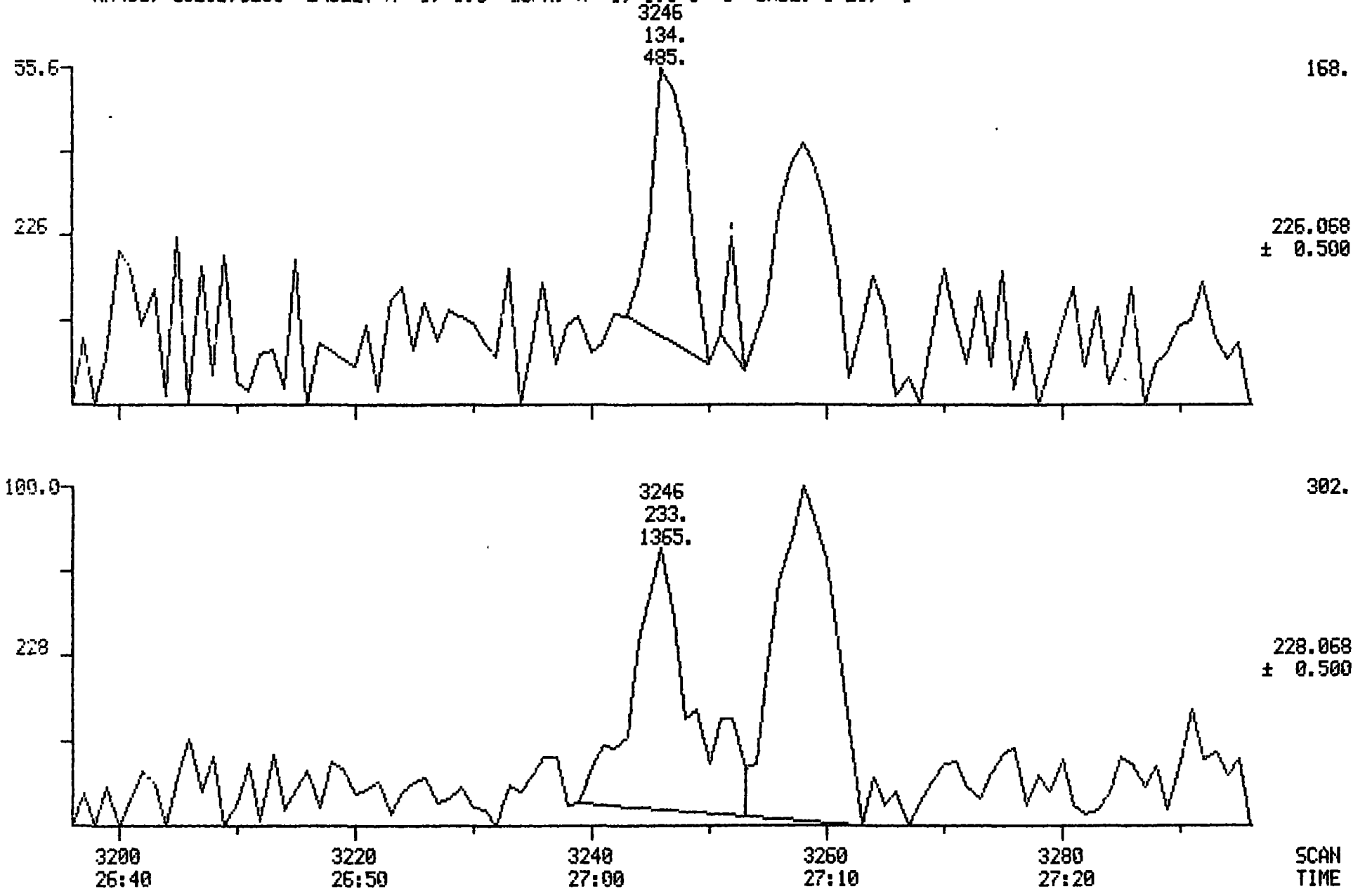
DATA: S59436X881 #3252 SCANS 3202 TO 3302
CALI: 060788CX #2



028888

MIDMASS CHROMATOGRAMS
06/07/88 11:18:00
SAMPLE: 59436-BL 4/23 100%/0.5ML
CONDS.: 2 UL AUTO INJ
BENZO(A)ANTHRACENE 228 PH# 03
RANGE: G3239,3253 LABEL: N 1, 1.0 QUAN: A 1, 1.0 J 0 BASE: U 20, 3

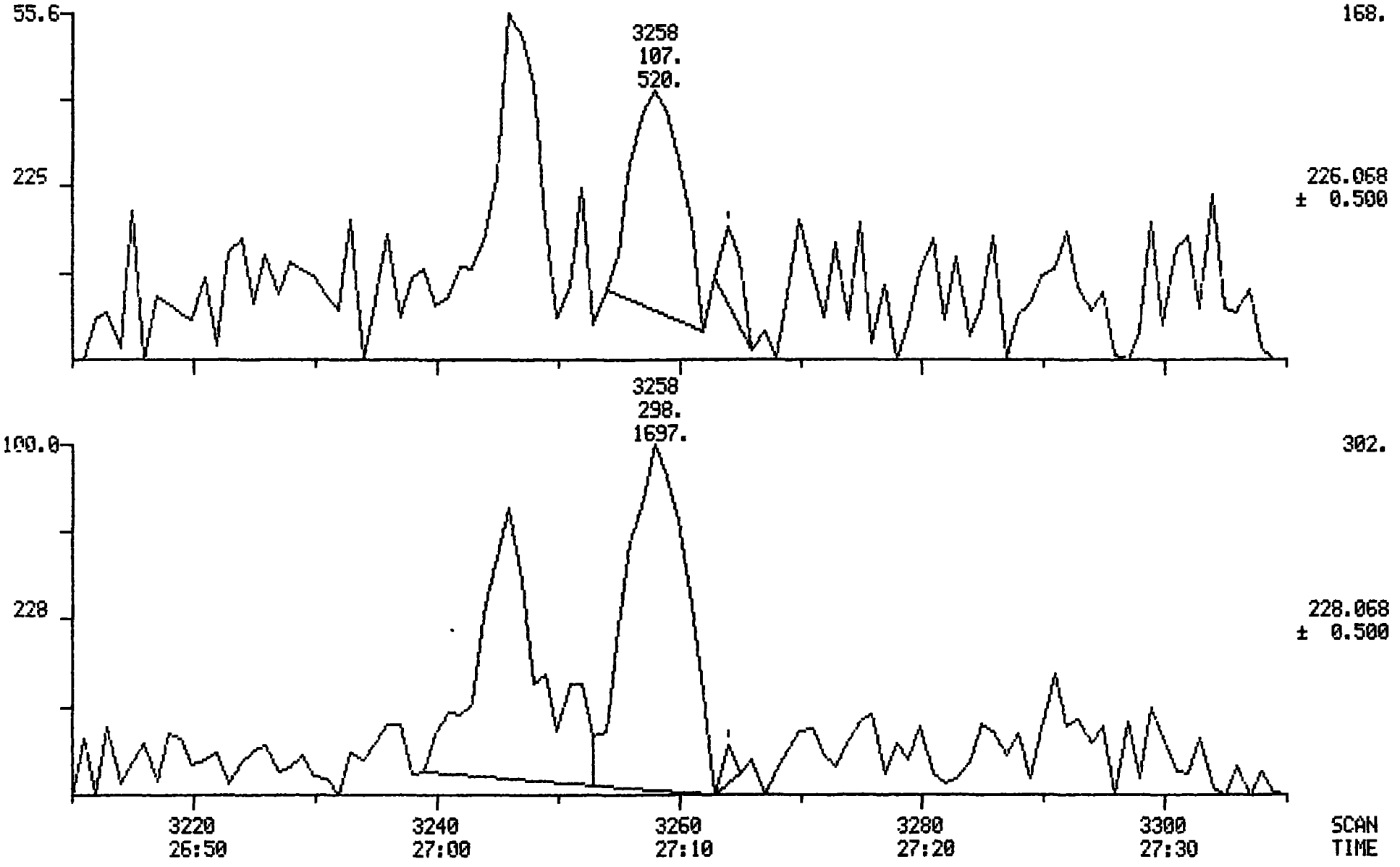
DATA: S59436X881 #3246 SCANS 3196 TO 3296
CALI: 060788CX #2



02889

MIDMASS CHROMATOGRAMS
06/07/88 11:18:00
SAMPLE: 59436-BL 4/23 100%/0.5ML
CONDS.: 2 UL AUTO INJ
CHRYSENE 228 PH# 05
RANGE: G3253,3267 LABEL: N 1, 1.0 QUAN: A 1, 1.0 J 0 BASE: U 20, 3

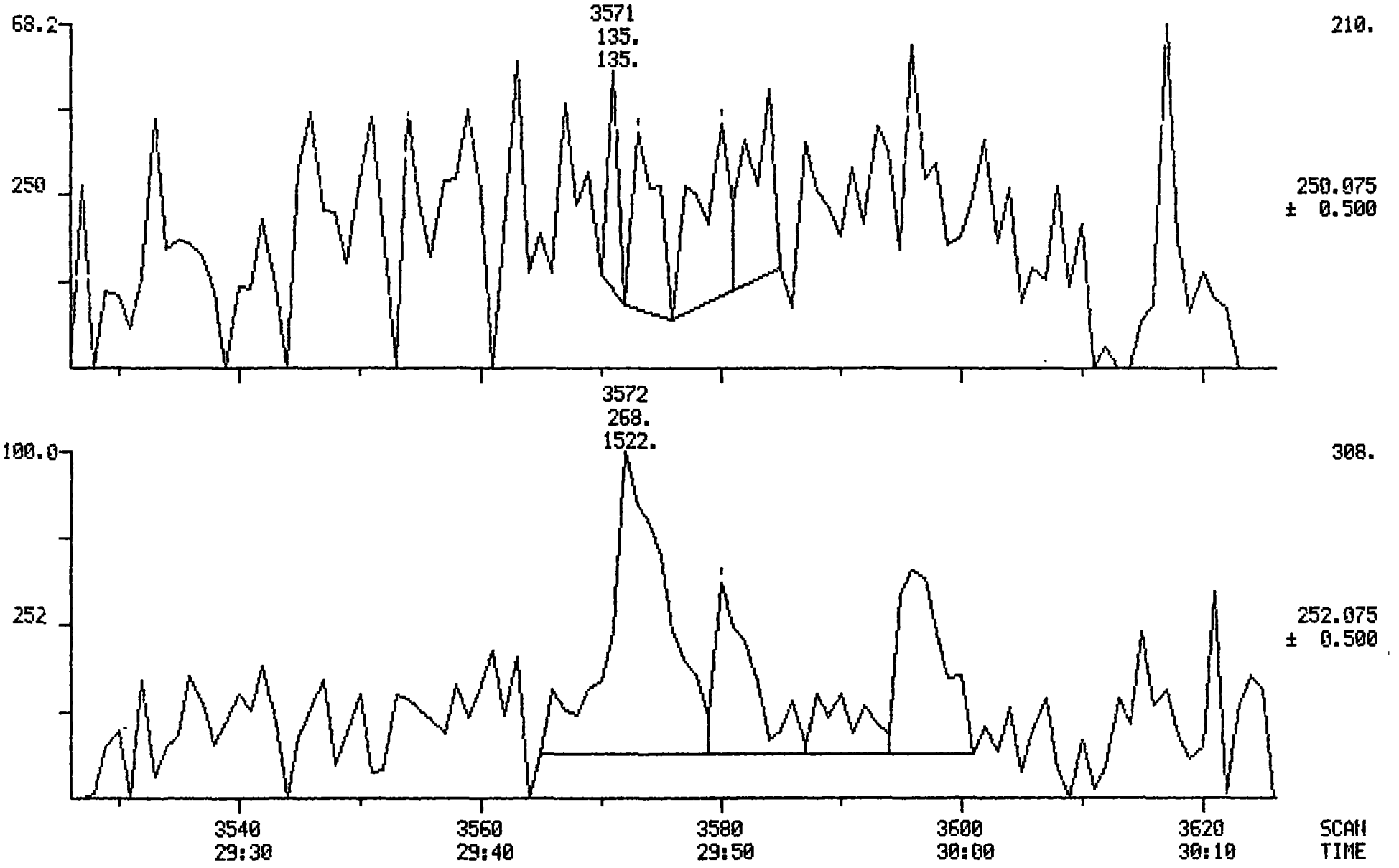
DATA: S59436X881 #3260 SCANS 3210 TO 3310
CALI: 060788CX #2



(2890

MIDMASS CHROMATOGRAMS
06/07/88 11:18:00
SAMPLE: 59436-BL 4/23 100%/0.5ML
CONDS.: 2 UL AUTO INJ
BENZO(B)FLUORANTHENE 252 PH# 07
RANGE: G3569,3583 LABEL: N 1, 1.0 QUAN: A 1, 1.0 J 0 BASE: U 20, 3

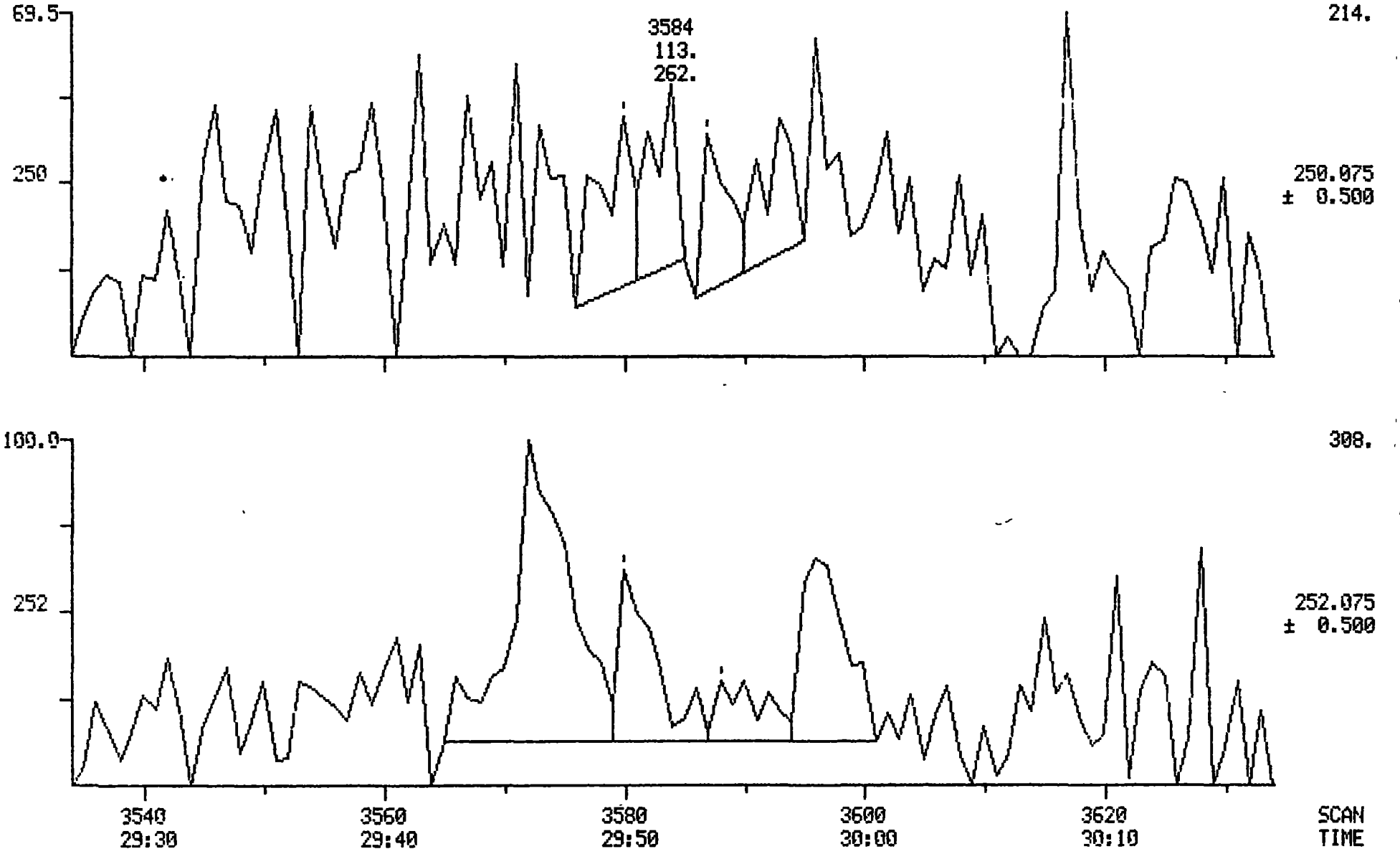
DATA: S59436X881 #3576 SCANS 3526 TO 3626
CALI: 060788CX #2



02891

MIDMASS CHROMATOGRAMS
06/07/88 11:18:00
SAMPLE: 59436-BL 4/23 100%/0.5ML
CONDS.: 2 UL AUTO INJ
BENZO(K)FLUORANTHENE 252 PH# 09
RANGE: G3577,3591 LABEL: N 1, 1.0 QUAN: A 1, 1.0 J 0 BASE: U 20, 3

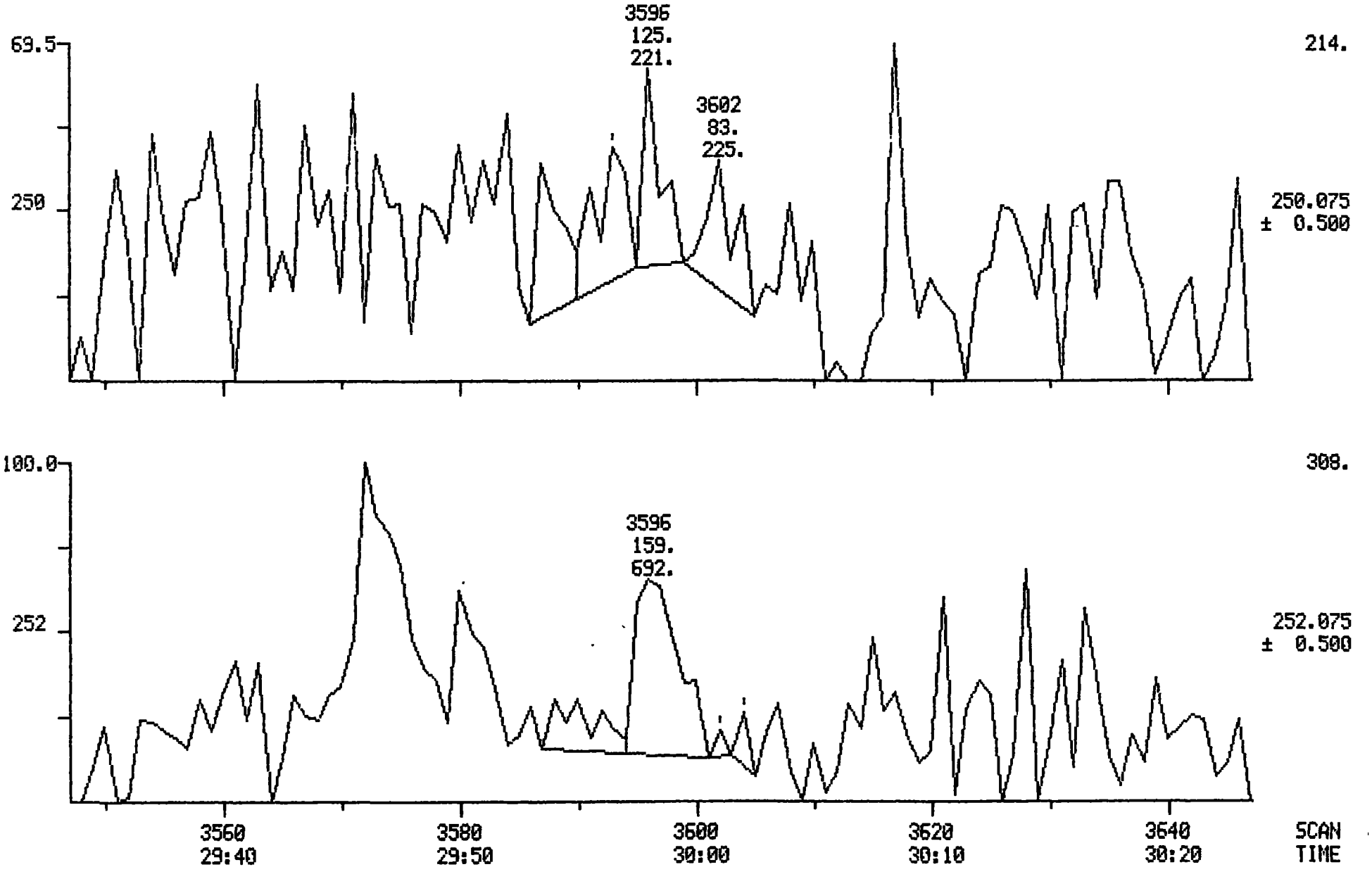
DATA: S59436X881 #3584 SCANS 3534 TO 3634
CALI: 060788CX #2



02892

MIDMASS CHROMATOGRAMS
06/07/88 11:18:00
SAMPLE: 59436-BL 4/23 100%/0.5ML
CONDS.: 2 UL AUTO INJ
BENZO(J)FLUORANTHENE 252 PH# 11
RANGE: G3590,3604 LABEL: N 1, 1.0 QUAN: A 1, 1.0 J 0 BASE: U 20, 3

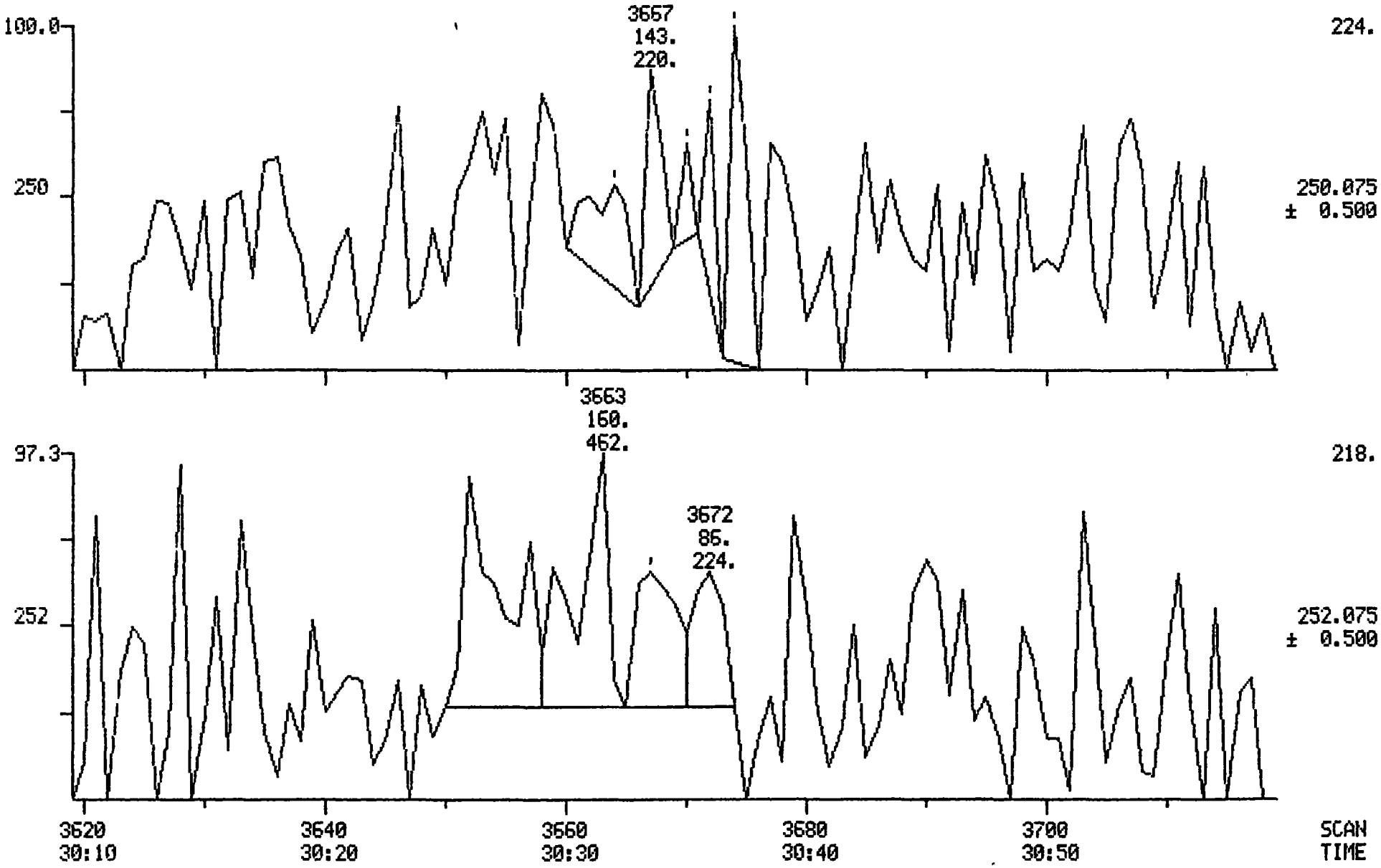
DATA: S59436X881 #3597 SCANS 3547 TO 3647
CALI: 060788CX #2



02893

MIDMASS CHROMATOGRAMS
06/07/88 11:18:00
SAMPLE: 59436-BL 4/23 100%/0.5ML
CONDS.: 2 UL AUTO INJ
BENZO(A)PYRENE 252 PH# 13
RANGE: G3662,3675 LABEL: N 1, 1.0 QUAN: A 1, 1.0 J 0 BASE: U 20, 3

DATA: S59436X881 #3669 SCANS 3619 TO 3719
CALI: 060788CX #2



Quantitation Report File: S59436X881

Data: S59436X881.TI
06/07/88 11:18:00
Sample: 59436-BL 4/23 100%/0.5ML
Conds.: 2 UL AUTO INJ
Formula. Instrument: 4500 Weight: 80.000
Submitted by: RMAL Analyst: JGG/GW Acct. No.:

C2894

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

No	Name	
1	D12-BENZO(A)PYRENE	264IPH# 01
2	D12-CHRYSENE	240SPH# 02
3	BENZO(A)ANTHRACENE	228 PH# 03
4	BENZO(A)ANTHRACENE	226 PH# 04
5	CHRYSENE	228 PH# 05
6	CHRYSENE	226 PH# 06
7	BENZO(B)FLUORANTHENE	252 PH# 07
8	BENZO(B)FLUORANTHENE	250 PH# 08
9	BENZO(K)FLUORANTHENE	250 PH# 10
10	BENZO(J)FLUORANTHENE	252 PH# 11
11	BENZO(J)FLUORANTHENE	250 PH# 12
12	BENZO(J)FLUORANTHENE	250 PH# 12
13	BENZO(J)FLUORANTHENE	250 PH# 12
14	BENZO(A)PYRENE	250 PH# 14
15	BENZO(A)PYRENE	250 PH# 14

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount		%Tot
1	264	3662	30:31	1	1.000	A BB	31159.	80.000	NG/ML	38.83
2	240	3250	27:05	1	0.887	A BB	49359.	91.112	NG/ML	44.23
3	228	3246	27:03	1	0.886	A BV	1365.	2.533	NG/ML	1.23
4	226	3246	27:03	1	0.886	A BB	485.	3.711	NG/ML	1.80
5	228	3258	27:09	1	0.890	A VB	1697.	3.194	NG/ML	1.55
6	226	3258	27:09	1	0.890	A BB	520.	3.756	NG/ML	1.82
7	252	3572	29:46	1	0.975	A BV	1522.	2.457	NG/ML	1.19
8	250	3580	29:50	1	0.978	A BV	356.	2.855	NG/ML	1.39
9	250	3580	29:50	1	0.978	A BV	356.	3.401	NG/ML	1.65
10	252	3596	29:58	1	0.982	A VB	692.	1.188	NG/ML	0.58
11	250	3593	29:56	1	0.981	A VB	242.	1.880	NG/ML	0.91
12	250	3596	29:58	1	0.982	A BB	221.	1.717	NG/ML	0.83
13	250	3602	30:01	1	0.984	A BB	225.	1.748	NG/ML	0.85
14	250	3674	30:37	1	1.003	A BB	356.	3.326	NG/ML	1.61
15	250	3677	30:38	1	1.004	A BB	336.	3.139	NG/ML	1.52

RF = 2,00

02895

6/3/88 22:58:48 SCAN 1 OF 2800
Acquisition started

Acquire
06/03/88 22:58:00 + 0:04
Sample: CLP,59436,,SBLK 4/23,LOW,WATER,59436-BL 100%/2ML,BNA,EPA
Conds.:
Formula:
Submitted by: RMAL

Run 0:S59436U566
Free sectors: 2170
Instrument: 4500
Analyst: KS

ACQUIRING
Scan: 5 of 2800
Weight: 0.000
Acct. No:

**********GC PARAMETERS**********

Loaded GC Desc:ST Current GC oven tmp: 30 DegC Injector : 250 DegC
Current GC Desc:ST GC elapsed time : 0: 2 min Int.over : 260 DegC

Seq.#	Temp(C)	Rate(C/m)	Time(min)	Total time(min)		Open	Close
1	30 - 30	-	1.0	1.0	Sweep/Split	0.5	0.0
2	30 - 325	10.0	29.5	30.5	Divert	40.5	0.0
3	325 - 325	-	10.0	40.5			
4	325 - 325	-	0.0	40.5			

**********SCAN PARAMETERS**********

Low mass: 35 Up: 0.70 L* Top: 0.00
High mass: 500 Down: 0.00 L Bottom: 0.05

Cent S/P: 10 Actual: 10 Samp Int (ms): 0.150 Peak Width: 1000.
Frag S/P: 10 Actual: 10 Samp Int (ms): 0.150 Intensity: 2

Min Peak Width: 3 Min Frag Width %: 80 Min Area: 30
ADC Threshold: 1 Baseline: 0

***** Mode: Centroid positive ion + R1 (Temp

Interface number	0	
Sub-interface number	0	
# of acqu buffers	16	
Instrument type	Q	
Full scale mass	1024	u
Zero scale mass	1	u
Intensity/ion	2	
Peak Width	1000.	mmu
Offset at low mass	0	mmu
Offset at high mass	0	mmu
Voltage settling time(MS)	4	

6/3/88 23:33:51
ACQUISITION COMPLETED
SCANS 1 TO 2800 Centroid

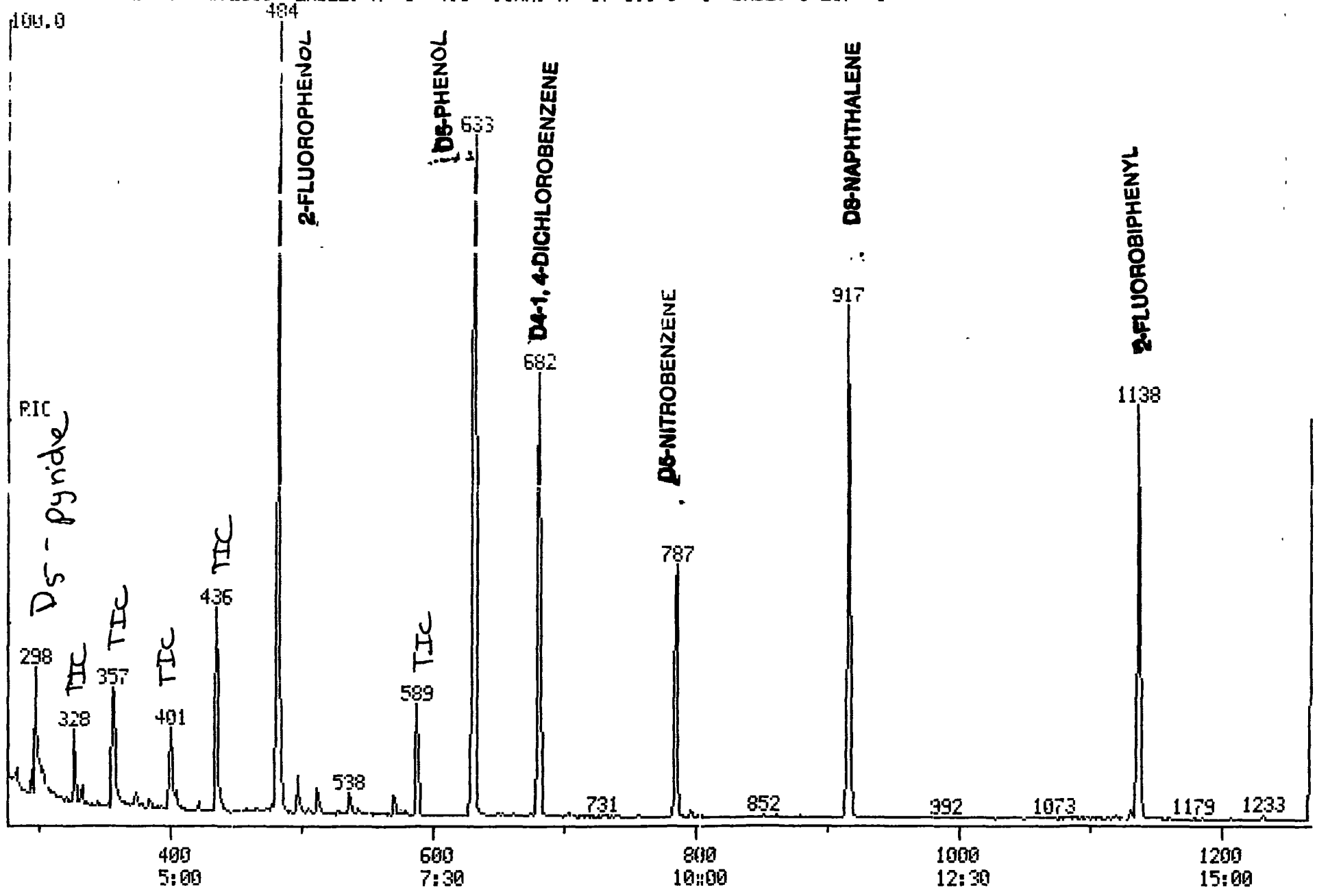
Mode	Scans	Secs	Out of	%	Peaks per scan	per sec
Centroid	2800	188.0	2100.0	9.0	25252.	9. 12.

TC=Target Compound
SC=Spike Compound

T.I.C.-Tent. Ident. Compound

RIC
06/03/88 22:58:00
DATA: S59436U566 #4 SCANS 270 TO 1270
CALI: 060388CU #5 OUT OF 270 TO 2900
SAMPLE: CLP,59436.,SBLK 4.23.LOW,WATER,59436-BL 100%/2ML.BNA.EPA
CONDS.:
RANGE: G 1,2800 LABEL: N 0. 4.0 QUAN: A 0, 1.0 J 0 BASE: U 20, 3

C2896

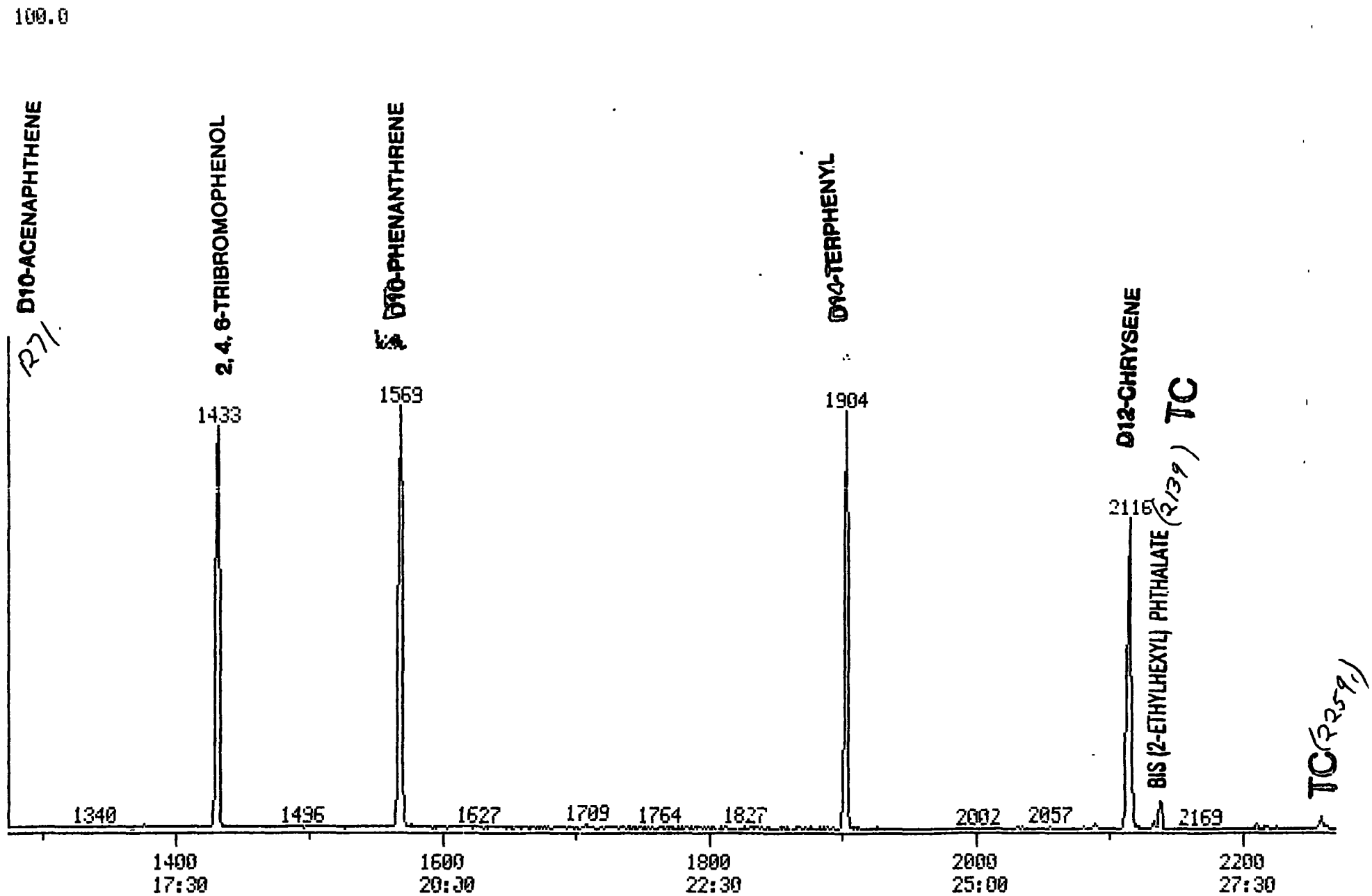


02897

DIC
06-03-98 22:58:00
SAMPLE: CLP,59436,,SBLK 4/23,LOW,WATER,59436-BL 100%,2ML,BNA,EPA
CONDS.:
RANGE: G 1,2800 LABEL: N 0, 4.0 QUAN: A 0, 1.0 J 0 BASE: U 20, 3

DATA: S59436U566 #4 SCANS 1270 TO 2270
CALI: 060398CU #5 OUT OF 270 TO 2800

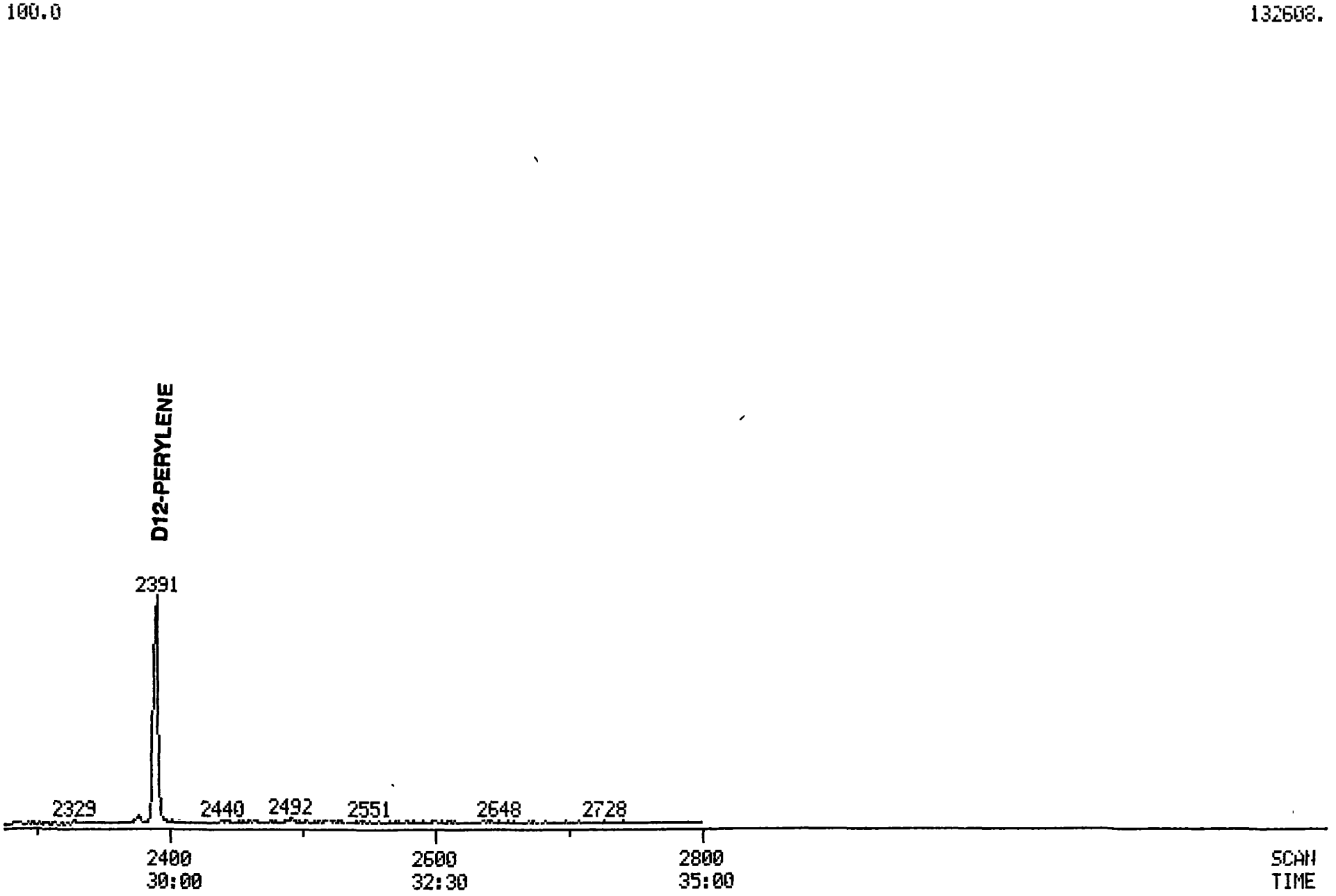
TC=Target Compound
SC=Spike Compound
T.I.C.-Tent. Ident. Compound



C2898

TIC
06.03.98 22:58:00
D.T.: [illegible] #4
CALI: 060388CU #5
SC/NS [illegible] TO [illegible]
OUT OF [illegible] TO 2800
SAMPLE: CLP,59436,,SBLK 4/23,LOW,WATER,59436-BL 100%/2ML,BNA,EPA
CONDS.:
RANGE: G 1,2800 LABEL: N 0, 4.0 QUAN: A 0, 1.0 J 0 BASE: U 20, 3

TC=Target Compound
SC=Spike Compound
TIC-Tent. Ident. Compound



PROCEDURE: TCA DIAGNOSTIC REPORT 6/04/86 9:47:01
DATA FILE: S59436U566
REFERENCE: 11TABLE
NAME LIST: LLNL INITIALIZATION OPTION: 2 PROCESSING OPTION: 3
REPORT: IS01

(---- STANDARDS -----)				(--- PLUS UNKNOWNS ---)				(LIST NAMES -)
PROC	USED	POSS	RMS	PROC	USED	POSS	RMS	STANDARD/UNKNOWN
1	1	1	0	[illegible]	3	1	11[illegible]	IS01/TC01
3	3	1	81	18	4	1	11[illegible]	IS02/TC02
3	3	1	81	12	3	1	81	IS03/TC03
3	3	1	126	15	4	1	117	IS04/TC04
3	3	1	126	10	4	1	13[illegible]	IS05/TC05
3	3	1	104	8	3	1	10[illegible]	IS06/TC06
3	3	1	0	14	6	1	9[illegible]	IS07/TC07
1	1	1	0	[illegible]	1	1		IS08/TC08

77 COMPOUNDS PROCESSED, 14 FOUND

(COMPOUND)			(---------- SEARCH ----------)						(SAT)	(-- --- CHRO --- --)			
NO	LIB	ENTRY	REF	PRED	SEL	DELTA	PEAKS	FIT	PEAKS	M/Z	TOP	DELTA	PEAKS
1	S1	1	-680	682	682	.	1	971	.	132	682	.	1
2	S1	2	-484	484	484	.	1	986	.	112	484	.	1
3	S1	3	-633	634	633	-1	1	952	.	99	632	-1	1
4	S1	105	-635	636	.	.	.	.	.	94	634	.	1
5	S1	110	-647	648	.	.	.	.	.	93	.	.	.
6	S1	115	-651	652	.	.	.	.	.	128	651	.	1
7	S1	125	-675	676	.	.	.	.	.	146	.	.	.
8	S2	1	-916	918	917	-1	1	994	.	136	917	.	1
9	S3	1	-1269	1271	1271	.	1	996	.	164	1271	.	1
10	S1	130	-684	685	.	.	.	.	.	146	.	.	.
11	S1	145	-713	714	.	.	.	.	.	108	.	.	.
12	S1	150	-717	718	.	.	.	.	.	146	.	.	.
13	S1	160	-736	737	.	.	.	.	.	108	.	.	.
14	S1	165	-742	743	.	.	.	.	.	45	.	.	.
15	S1	185	-763	764	.	.	.	.	.	106	.	.	.
16	S1	190	-768	769	.	.	.	.	.	70	.	.	.
17	S1	200	-771	772	.	.	.	.	.	117	.	.	.
18	S2	2	-787	788	767	-1	1	1000	.	82	767	.	1
19	S2	10	-790	791	.	.	.	.	.	77	.	.	.
20	S2	20	-835	836	.	.	.	.	.	82	.	.	.
21	S2	25	-849	850	.	.	.	.	.	139	.	.	.
22	S2	30	-862	863	.	.	.	.	.	107	.	.	.
23	S2	35	-881	882	.	.	.	.	.	93	.	.	.
24	S2	45	-892	893	.	.	.	.	.	1[illegible]	.	.	.
25	S2	40	-894	896	.	.	.	.	.	162	.	.	.
26	S2	55	-910	912	.	.	.	.	.	180	.	.	.
27	S2	60	-921	923	.	.	.	.	.	128	.	.	.
28	S2	80	-938	940	.	.	.	.	.	127	.	.	.
29	S2	95	-959	961	.	.	.	.	.	225	.	.	.
30	S2	130	-1037	1039	.	.	.	.	.	107	.	.	.
31	S2	145	-1057	1059	.	.	.	.	.	142	.	.	.
32	S3	20	-1104	1106	.	.	.	.	.	237	.	.	.
33	S3	25	-1121	1123	.	.	.	.	.	196	.	.	.
34	S4	1	-1569	1570	1569	-1	1	988	.	186	1569	.	1
35	S3	30	-1127	1128	.	.	.	.	.	196	.	.	.
36	S3	3	-1138	1139	1138	-1	1	997	.	172	1138	.	1
37	S3	40	-1154	1155	.	.	.	.	.	162	.	.	.
38	S3	45	-1184	1185	.	.	.	.	.	65	.	.	.
39	S3	55	-1232	1233	.	.	.	.	.	163	.	.	.
40	S3	65	-1238	1239	.	.	.	.	.	182	.	.	.
41	S3	70	-1244	1245	.	.	.	.	.	165	.	.	.
42	S3	75	-1269	1270	.	.	.	.	.	138	.	.	.
43	S3	80	-1277	1278	.	.	.	.	.	153	.	.	.
44	S3	85	-1289	1290	.	.	.	.	.	184	.	.	.
45	S3	95	-1306	1307	.	.	.	.	.	109	.	.	.
46	S3	90	-1309	1310	.	.	.	.	.	168	.	.	.
47	S3	105	-1321	1322	.	.	.	.	.	165	.	.	.
48	S3	130	-1377	1378	.	.	.	.	.	149	.	.	.
49	S3	135	-1379	1380	.	.	.	.	.	166	.	.	.
50	S3	140	-1383	1383	.	.	.	.	.	204	.	.	.
51	S3	150	-1395	1395	.	.	.	.	.	178	.	.	.
52	S4	10	-1404	1404	.	.	.	.	.	198	.	.	.
53	S4	15	-1411	1411	.	.	.	.	.	169	.	.	.
54	S3	2	-1433	1433	1432	-1	1	977	.	330	1432	.	1
55	S4	30	-1482	1482	.	.	.	.	.	248	.	.	.
56	S4	40	-1509	1509	.	.	.	.	.	284	.	.	.
57	S5	1	-2116	2116	2116	.	1	960	.	240	2116	.	1
58	S4	50	-1546	1547	.	.	.	.	.	266	.	.	.
59	S4	65	-1575	1576	.	.	.	.	.	178	.	.	.
60	S4	70	-1583	1584	.	.	.	.	.	178	.	.	.
61	S4	85	-1711	1712	.	.	.	.	.	149	.	.	.

63	S6	1	-2391	2391	2391	.	1	904	.	144	2391	.	1
64	S5	15	-1865	1864	.	.	.	.	.	[illegible]	.	.	.
65	S5	2	-1905	1904	1904	.	1	903	.	144	1904	.	1
66	S5	40	-2016	2015	.	.	.	.	.	149	.	.	.
67	S5	50	-2113	2112	.	.	.	.	.	[illegible]	.	.	.
68	S5	55	-2115	2114	.	.	.	.	.	[illegible]	.	.	.
69	S5	60	-2123	2122	.	.	.	.	.	[illegible]	.	.	.
70	S5	65	-2141	2140	2139	-1	1	904	.	149	2139	.	1
71	S6	10	-2260	2259	2259	.	1	905	.	149	2259	.	1
72	S6	15	-2324	2323	.	.	.	.	.	[illegible]	.	.	.
73	S6	25	-2329	2328	.	.	.	.	.	[illegible]	.	.	.
74	S6	35	-2382	2381	.	.	.	.	.	[illegible]	.	.	.
75	S6	55	-2595	2595	.	.	.	.	.	276	.	.	.
76	S6	60	-2597	2597	.	.	.	.	.	278	.	.	.
77	S6	65	-2652	2652	.	.	.	.	.	276	.	.	.

Quantitation Report File: S59436U566

Data: S59436U566.TI
06/03/88 22:58:00
Sample: CLP,59436,,SBLK 4/23,LOW,WATER,59436-IL 100%/2ML,DNA,1PA
Conds.:
Formula: Instrument: 4500 Weight 0.000
Submitted by: RMAL Analyst: KS Acct. No.:

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

No	Name			
1	CI30	1,4-DICHLOROBENZENE-D4	152IS1# 01	3855-82-1
2	CS50	2-FLUOROPHENOL	112SS1# 02	367-12-4
3	CS45	PHENOL-D5	99SS1# 03	4165-62-2
4	C315	PHENOL	94 S1#105CC	108-95-2
5	C325	BIS(2-CHLOROETHYL)ETHER	93 S1#110	111-44-4
6	C330	2-CHLOROPHENOL	128 S2#115	95-57-8
7	C335	1,3-DICHLOROBENZENE	146 S1#125	541-73-1
8	CI40	NAPHTHALENE-D8	136IS2# 01	1146-65-2
9	CI50	ACENAPHTHENE-D10	164IS3# 01	15067-26-2
10	C340	1,4-DICHLOROBENZENE	146 S1#130CC	106-46-7
11	C345	BENZYL ALCOHOL	108 S1#145	100-51-6
12	C350	1,2-DICHLOROBENZENE	146 S1#150	95-50-1
13	C355	2-METHYLPHENOL	108 S1#160	95-48-7
14	C360	BIS(2-CHLOROISOPROPYL)E	45 S1#165	108-60-1
15	C365	4-METHYLPHENOL	108 S1#185	106-44-5
16	C370	N-NITROSO-DI-N-PROPYLAM	70 S1#190SP	621-64-7
17	C375	HEXACHLOROETHANE	117 S1#200	67-72-1
18	CS20	NITROBENZENE-D5	82SS2# 02	4165-60-0
19	C410	NITROBENZENE	77 S2# 10	98-95-3
20	C415	ISOPHORONE	82 S2# 20	75-59-1
21	C420	2-NITROPHENOL	139 S2# 25CC	88-75-5
22	C425	2,4-DIMETHYLPHENOL	107 S2# 30	105-67-9
23	C435	BIS(2-CHLOROETHOXY)METH	93 S2# 35	111-91-1
24	C430	BENZOIC ACID	122 S2# 45	65-85-0
25	C440	2,4-DICHLOROPHENOL	162 S2# 40	120-83-2
26	C445	1,2,4-TRICHLOROBENZENE	180 S2# 55	120-82-1
27	C450	NAPHTHALENE	128 S2# 60	91-20-3
28	C455	4-CHLOROANALINE	127 S2# 80	106-47-8
29	C460	HEXACHLOROBUTADIENE	225 S2# 95CC	87-68-3
30	C465	4-CHLORO-3-METHYLPHENO	107 S2#130CC	59-50-7
31	C470	2-METHYLNAPHTHALENE	142 S2#145	91-57-6
32	C510	HEXACHLOROCYCLOPENTADI	237 S3# 20	77-47-4
33	C515	2,4,6-TRICHLOROPHENOL	196 S3# 25CC	88-06-2
34	CI60	PHENANTHRENE-D10	188IS4# 01	1517-22-2
35	C520	2,4,5-TRICHLOROPHENOL	196 S3# 30	95-95-4
36	CS25	2-FLUOROBIPHENYL	172SS3# 03	321-60-8
37	C525	2-CHLORONAPHTHALENE	162 S3# 40	91-58-7
38	C530	2-NITROANALINE	65 S3# 45	88-74-4
39	C535	DIMETHYLPHTHALATE	163 S3# 55	131-11-3
40	C540	ACENAPHTHYLENE	152 S3# 65	208-96-8
41	C543	2,6-DINITROTOLUENE	165 S3# 70	606-20-2
42	C545	3-NITROANILINE	138 S3# 75	99-09-2
43	C550	ACENAPHTHENE	153 S3# 80CC	83-32-9
44	C555	2,4-DINITROPHENOL	184 S3# 85SP	51-28-5
45	C560	4-NITROPHENOL	109 S3# 95SP	100-02-7
46	C565	DIBENZOFURAN	168 S3# 90	132-64-9
47	C570	2,4-DINITROTOLUENE	165 S3#105	121-14-2

No	Name				
48	C580	DIETHYLPHTHALATE	149	S3#130	84-66-2
49	C590	FLUORENE	166	S3#135	86-73-7
50	C585	4-CHLOROPHENYL-PHENYLE	204	S3#140	7005-72-3

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Height)	Amount		%Tot
1	152	682	8:31	1	1.000	A BB	25413.	40.000	UG/ML	6.20
2	112	484	6:03	1	0.710	A BV	73149.	84.401	UG/ML	13.08
3	99	632	7:54	1	0.927	A BV	98649.	91.425	UG/ML	14.17
4	94	634	7:55	1	0.930	A BB	130.	0.107	UG/ML	0.02
5	NOT FOUND									
6	128	651	8:08	1	0.955	A BB	104.	0.118	UG/ML	0.02
7	NOT FOUND									
8	136	917	11:28	8	1.000	A BB	92036.	40.000	UG/ML	6.20
9	164	1271	15:53	9	1.000	A BB	45072.	40.000	UG/ML	6.20
10	NOT FOUND									
11	NOT FOUND									
12	NOT FOUND									
13	NOT FOUND									
14	NOT FOUND									
15	NOT FOUND									
16	NOT FOUND									
17	NOT FOUND									
18	82	787	9:50	8	0.858	A BB	32175.	33.830	UG/ML	5.24
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	188	1569	19:37	34	1.000	A BV	75682.	40.000	UG/ML	6.20
35	NOT FOUND									
36	172	1138	14:13	9	0.895	A BB	55883.	33.250	UG/ML	5.15
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	8:31	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
2	6:04	1.00	0.711	1.00	84.40	100.00	1.151	1.364	0.84
3	7:55	1.00	0.930	1.00	91.42	100.00	1.553	1.699	0.91
4	7:57	1.00	0.933	1.00	0.11	50.00	0.004	1.910	0.00
5	8:06		0.950						
6	8:09	1.00	0.956	1.00	0.12	50.00	0.003	1.389	0.00
7	8:27		0.991						
8	11:28	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
9	15:52	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
10	8:34		1.004						
11	8:55		1.047						
12	8:58		1.053						
13	9:13		1.081						
14	9:17		1.089						
15	9:33		1.120						
16	9:37		1.128						
17	9:39		1.132						
18	9:51	1.00	0.858	1.00	33.83	50.00	0.280	0.413	0.68
19	9:53		0.862						
20	10:27		0.911						
21	10:37		0.926						
22	10:47		0.940						
23	11:01		0.961						
24	11:10		0.973						
25	11:11		0.975						
26	11:23		0.992						
27	11:31		1.004						
28	11:44		1.023						
29	12:00		1.046						
30	12:58		1.131						
31	13:13		1.153						
32	13:49		0.869						
33	14:01		0.883						
34	19:37	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
35	14:06		0.887						
36	14:14	1.00	0.896	1.00	33.25	50.00	0.992	1.491	0.66
37	14:26		0.909						
38	14:49		0.932						
39	15:25		0.970						
40	15:29		0.975						
41	15:34		0.980						
42	15:52		0.999						
43	15:58		1.006						
44	16:07		1.015						
45	16:20		1.028						
46	16:22		1.031						
47	16:31		1.040						
48	17:13		1.084						
49	17:15		1.086						
50	17:18		1.089						

Quantitation Report File: S59436U566

Data: S59436U566.TI
06/03/88 22:58:00
Sample: CLP,59436,,SBLK 4/23,LOW,WATER,59436-BL 100[illegible]/2ML,BNA,EPA
Conds.:
Formula: Instrument: 4500 Weight: 0.000
Submitted by: RMAL Analyst: KS Acct. No.:

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

No	Name			
51	C595 4-NITROANALINE	138 S3#150		100-01-6
52	C610 4,6-DINITRO-2-METHYLPH	198 S4# 10		534-52-1
53	C615 N-NITROSODIPHENYLAMINE	169 S4# 15CC		87-30-6
54	CS55 2,4,6-TRIBROMOPHENOL	330SS3# 02		118-79-6
55	C625 4-BROMOPHENYL-PHENYLET	248 S4# 30		101-55-3
56	C630 HEXACHLOROBENZENE	284 S4# 40		118-74-1
57	CI70 CHRYSENE-D12	240IS5# 01		1719-03-5
58	C635 PENTACHLOROPHENOL	266 S4# 50		87-86-5
59	C640 PHENANTHRENE	178 S4# 65		85-01-8
60	C645 ANTHRACENE	178 S4# 70		120-12-7
61	C650 DI-N-BUTYLPHTHALATE	149 S4# 85		84-74-2
62	C655 FLUORANTHENE	202 S4#110CC		206-44-0
63	CI75 PERYLENE-D12	164IS6# 01		1520-96-3
64	C715 PYRENE	202 S5# 15		129-00-0
65	CS30 TERPHENYL-D14	244SS5# 02		1718-51-0
66	C720 BUTYLBENZYLPHTHALATE	149 S5# 40		85-68-7
67	C730 BENZO(A)ANTHRACENE	228 S5# 50		56-55-3
68	C725 3,3'-DICHLOROBENZIDINE	252 S5# 55		91-94-1
69	C740 CHRYSENE	228 S5# 60		218-01-9
70	C745 BIS(2-ETHYLHEXYL)PHTHA	149 S5# 65		117-81-7
71	C760 DI-N-OCTYL PHTHALATE	149 S6# 10CC		117-84-0
72	C765 BENZO(B)FLUORANTHENE	252 S6# 15		205-99-2
73	C770 BENZO(K)FLUORANTHENE	252 S6# 25		207-08-9
74	C775 BENZO(A)PYRENE	252 S6# 35		50-32-8
75	C780 INDENO(1,2,3-CD)PYRENE	276 S6# 55		193-39-5
76	C785 DIBENZ(A,H)ANTHRACENE	278 S6# 60		53-70-3
77	C790 BENZO(G,H,I)PERYLENE	276 S6# 65		191-24-2

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount	%Tot
51	NOT FOUND								
52	NOT FOUND								
53	NOT FOUND								
54	330	1432	17:54	9	1.127	A BB	12871.	107.743 UG/ML	16.69
55	NOT FOUND								
56	NOT FOUND								
57	240	2116	26:27	57	1.000	A BB	55991.	40.000 UG/ML	6.20
58	NOT FOUND								
59	NOT FOUND								
60	NOT FOUND								
61	NOT FOUND								
62	NOT FOUND								
63	264	2391	29:53	63	1.000	A BB	39130.	40.000 UG/ML	6.20
64	NOT FOUND								
65	244	1904	23:48	57	0.900	A BB	61421.	51.172 UG/ML	7.93
66	NOT FOUND								

No	m/z	Scan	Time	Ref	RRT	Meth	Area(right)	Amount	%Tot
67	NOT FOUND								
68	NOT FOUND								
69	NOT FOUND								
70	149	2139	26:44	57	1.011	A VB	2920.	2.010 UG/ML	0.31
71	149	2259	28:14	63	0.945	A BB	2462.	1.420 UG/ML	0.22
72	NOT FOUND								
73	NOT FOUND								
74	NOT FOUND								
75	NOT FOUND								
76	NOT FOUND								
77	NOT FOUND								

No	Ret(L)	Ratio	RRT(L)	Ratio	Amnt	Amnt(L)	R.Fac	R.Fac(L)	Ratio
51	17:27		1.098						
52	17:33		0.894						
53	17:38		0.899						
54	17:55	1.00	1.128	1.00	107.74	100.00	0.114	0.106	1.08
55	18:31		0.944						
56	18:52		0.961						
57	26:28	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
58	19:19		0.985						
59	19:41		1.003						
60	19:47		1.008						
61	21:23		1.090						
62	22:44		1.159						
63	29:54	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
64	23:19		0.881						
65	23:49	1.00	0.900	1.00	51.17	50.00	0.878	0.857	1.02
66	25:12		0.952						
67	26:25		0.998						
68	26:26		0.999						
69	26:32		1.003						
70	26:46	1.00	1.011	1.00	2.01	50.00	0.042	1.041	0.04
71	28:15	1.00	0.945	1.00	1.42	50.00	0.050	1.772	0.03
72	29:03		0.972						
73	29:07		0.974						
74	29:46		0.996						
75	32:26		1.085						
76	32:28		1.086						
77	33:09		1.109						

TOR FINISHED: 14 FOUND
FINISHED AT: 8/04/88 9:04:37

RMAL QUANTITATION SUMMARY FILE: 5594360566
COMPOUNDS WITH AMOUNTS LESS THAN 1.00 REPORTED AS NOT FOUND

UNITS: UG/ML

NO	LIBRARY ENTRY	NAME	MASS	SCAN	REF	AREA	RRF	AMOUNT
1	S1# 1	CI30 1,4-DICHLOROBENZENE	152	682	1	25411.	1.000	40.000
2	S2# 1	CI40 NAPHTHALENE-D8	136	917	2	82036.	1.000	40.000
3	S3# 1	CI50 ACENAPHTHENE-D10	164	1271	3	45076.	1.000	40.000
4	S4# 1	CI60 PHENANTHRENE-D10	188	1569	4	75682.	1.000	40.000
5	S5# 1	CI70 CHRYSENE-D12	240	2116	5	55991.	1.000	40.000
6	S6# 1	CI75 PERYLENE-D12	264	2391	6	39136.	1.000	40.000
7	S2# 2	CS20 NITROBENZENE-D5	82	787	2	22175.	0.780	33.830
8	S3# 3	CS25 2-FLUOROBIPHENYL	172	1138	3	55883.	0.992	33.250
9	S5# 2	CS30 TERPHENYL-D14	244	1904	5	61421.	0.078	51.172
10	S1# 3	CS45 PHENOL-D5	99	632	1	98649.	1.553	91.425
11	S1# 2	CS50 2-FLUOROPHENOL	112	484	1	73144.	1.151	84.401
12	S3# 2	CS55 2,4,6-TRIBROMOPHENO	330	1432	3	12871.	0.114	107.743
13	S1#105	C315 PHENOL	94		1	NOT FOUND		
14	S1#110	C325 BIS(2-CHLOROETHYL)E	93		1	NOT FOUND		
15	S1#115	C330 2-CHLOROPHENOL	128		1	NOT FOUND		
16	S1#125	C335 1,3-DICHLOROBENZENE	146		1	NOT FOUND		
17	S1#130	C340 1,4-DICHLOROBENZENE	146		1	NOT FOUND		
18	S1#145	C345 BENZYL ALCOHOL	108		1	NOT FOUND		
19	S1#150	C350 1,2-DICHLOROBENZENE	146		1	NOT FOUND		
20	S1#160	C355 2-METHYLPHENOL	108		1	NOT FOUND		
21	S1#165	C360 BIS(2-CHLOROISOPROP	45		1	NOT FOUND		
22	S1#185	C365 4-METHYLPHENOL	108		1	NOT FOUND		
23	S1#190	C370 N-NITROSO-DI-N-PROP	70		1	NOT FOUND		
24	S1#200	C375 HEXACHLOROETHANE	117		1	NOT FOUND		
25	S2# 10	C410 NITROBENZENE	77		2	NOT FOUND		
26	S2# 20	C415 ISOPHORONE	82		2	NOT FOUND		
27	S2# 25	C420 2-NITROPHENOL	139		2	NOT FOUND		
28	S2# 30	C425 2,4-DIMETHYLPHENOL	107		2	NOT FOUND		
29	S2# 35	C435 BIS(2-CHLOROETHOXY)	93		2	NOT FOUND		
30	S2# 40	C440 2,4-DICHLOROPHENOL	162		2	NOT FOUND		
31	S2# 45	C430 BENZOIC ACID	122		2	NOT FOUND		
32	S2# 55	C445 1,2,4-TRICHLOROBENZ	180		2	NOT FOUND		
33	S2# 60	C450 NAPHTHALENE	128		2	NOT FOUND		
34	S2# 80	C455 4-CHLOROANALINE	127		2	NOT FOUND		
35	S2# 95	C460 HEXACHLOROBUTADIENE	225		2	NOT FOUND		
36	S2#130	C465 4-CHLORO-3-METHYLPH	107		2	NOT FOUND		
37	S2#145	C470 2-METHYLNAPHTHALENE	142		2	NOT FOUND		
38	S3# 20	C510 HEXACHLOROCYCLOPENT	237		3	NOT FOUND		
39	S3# 25	C515 2,4,6-TRICHLOROPHEN	196		3	NOT FOUND		
40	S3# 30	C520 2,4,5-TRICHLOROPHEN	196		3	NOT FOUND		
41	S3# 40	C525 2-CHLORONAPHTHALENE	162		3	NOT FOUND		
42	S3# 45	C530 2-NITROANALINE	65		3	NOT FOUND		
43	S3# 55	C535 DIMETHYLPHTHALATE	163		3	NOT FOUND		
44	S3# 65	C540 ACENAPHTHYLENE	152		3	NOT FOUND		
45	S3# 70	C543 2,6-DINITROTOLUENE	165		3	NOT FOUND		
46	S3# 75	C545 3-NITROANILINE	138		3	NOT FOUND		
47	S3# 80	C550 ACENAPHTHENE	153		3	NOT FOUND		
48	S3# 85	C555 2,4-DINITROPHENOL	184		3	NOT FOUND		
49	S3# 90	C565 DIBENZOFURAN	168		3	NOT FOUND		
50	S3# 95	C560 4-NITROPHENOL	109		3	NOT FOUND		
51	S3#105	C570 2,4-DINITROTOLUENE	165		3	NOT FOUND		
52	S3#130	C580 DIETHYLPHTHALATE	149		3	NOT FOUND		
53	S3#135	C590 FLUORENE	166		3	NOT FOUND		
54	S3#140	C585 4-CHLOROPHENYL-PHEN	204		3	NOT FOUND		
55	S3#150	C595 4-NITROANALINE	138		3	NOT FOUND		
56	S4# 10	C610 4,6-DINITRO-2-METHY	198		4	NOT FOUND		
57	S4# 15	C615 N-NITROSODIPHENYLAM	169		4	NOT FOUND		
58	S4# 30	C625 4-BROMOPHENYL-PHENY	248		4	NOT FOUND		
59	S4# 40	C630 HEXACHLOROBENZENE	284		4	NOT FOUND		
60	S4# 50	C635 PENTACHLOROPHENOL	266		4	NOT FOUND		
61	S4# 65	C640 PHENANTHRENE	178		4	NOT FOUND		
62	S4# 70	C645 ANTHRACENE	178		4	NOT FOUND		
63	S4# 85	C650 DI-N-BUTYLPHTHALATE	149		4	NOT FOUND		
64	S4#110	C655 FLUORANTHENE	202		4	NOT FOUND		
65	S5# 15	C715 PYRENE	202		5	NOT FOUND		
66	S5# 40	C720 BUTYLBENZYLPHTHALAT	149		5	NOT FOUND		
67	S5# 50	C730 BENZO(A)ANTHRACENE	228		5	NOT FOUND		
68	S5# 55	C725 3,3'-DICHLOROBENZID	252		5	NOT FOUND		
69	S5# 60	C740 CHRYSENE	228		5	NOT FOUND		
70	S5# 65	C745 BIS(2-ETHYLHEXYL)PH	149	2139	5	2926.	0.42	2.019

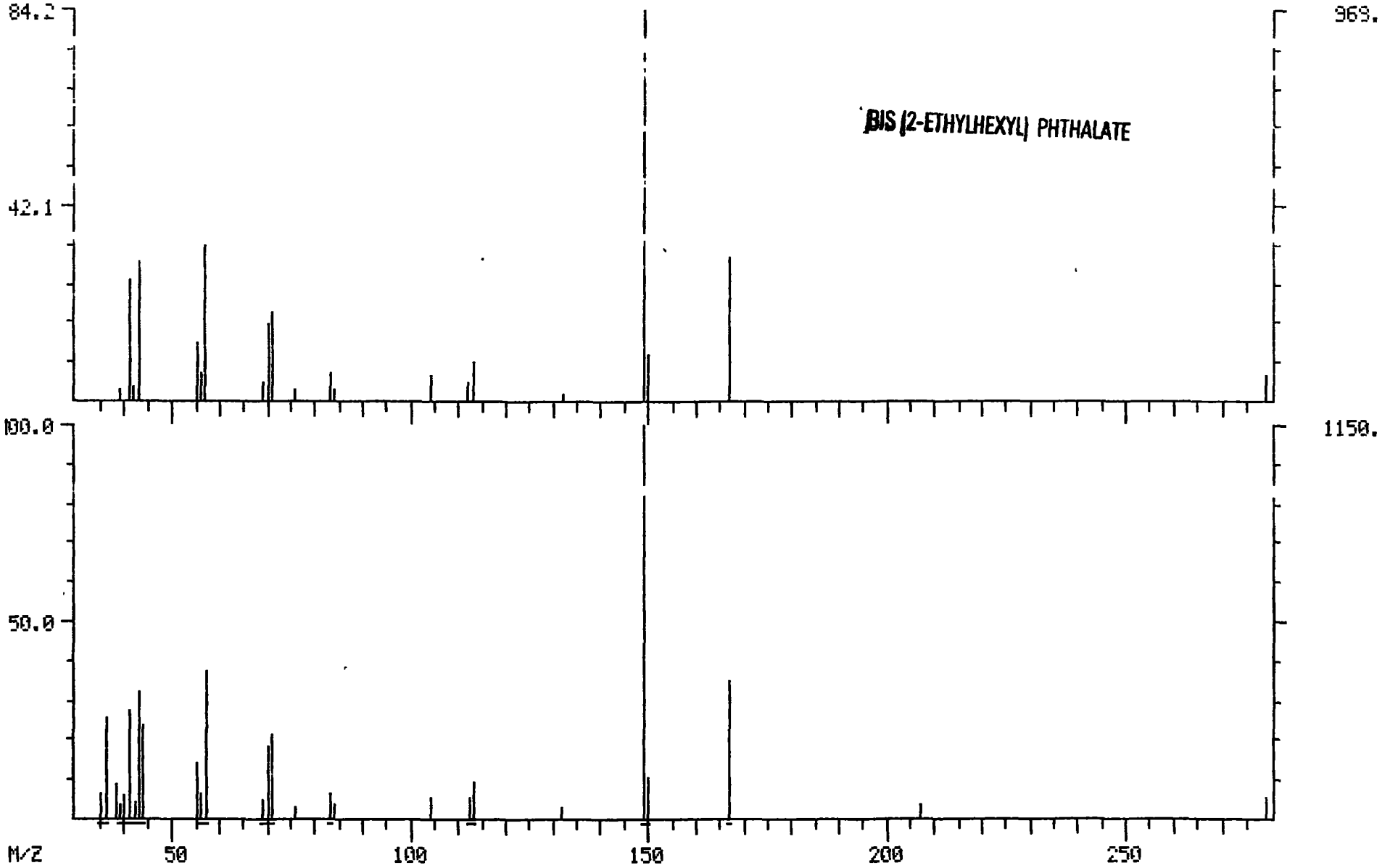
72	S6#	15	C765	BENZO(B)FLUORANTHEN	252	6	NOT FOUND
73	S6#	25	C770	BENZO(K)FLUORANTHEN	252	6	NOT FOUND
74	S6#	35	C775	BENZO(A)PYRENE	252	6	NOT FOUND
75	S6#	55	C780	INDENO(1,2,3-CD)PYR	276	6	NOT FOUND
76	S6#	60	C785	DIBENZ(A,H)ANTHRACE	278	6	NOT FOUND
77	S6#	65	C790	BENZO(G,H,I)PERYLEN	276	6	NOT FOUND

02907

02908

DUAL MASS SPECTRUM
06/03/88 22:58:00 + 26:44
SAMPLE: CLP,59436,,SBLK 4/23,LOW,WATER,59436-BL 100%/2ML,BNA,EPA
CONDS.:
GC TEMP: 288 DEG. C
ENHANCED (S 15B 2N OT)

DATA: [illegible] CALI: 060388CU #5 RIC: 3623./ 4967.

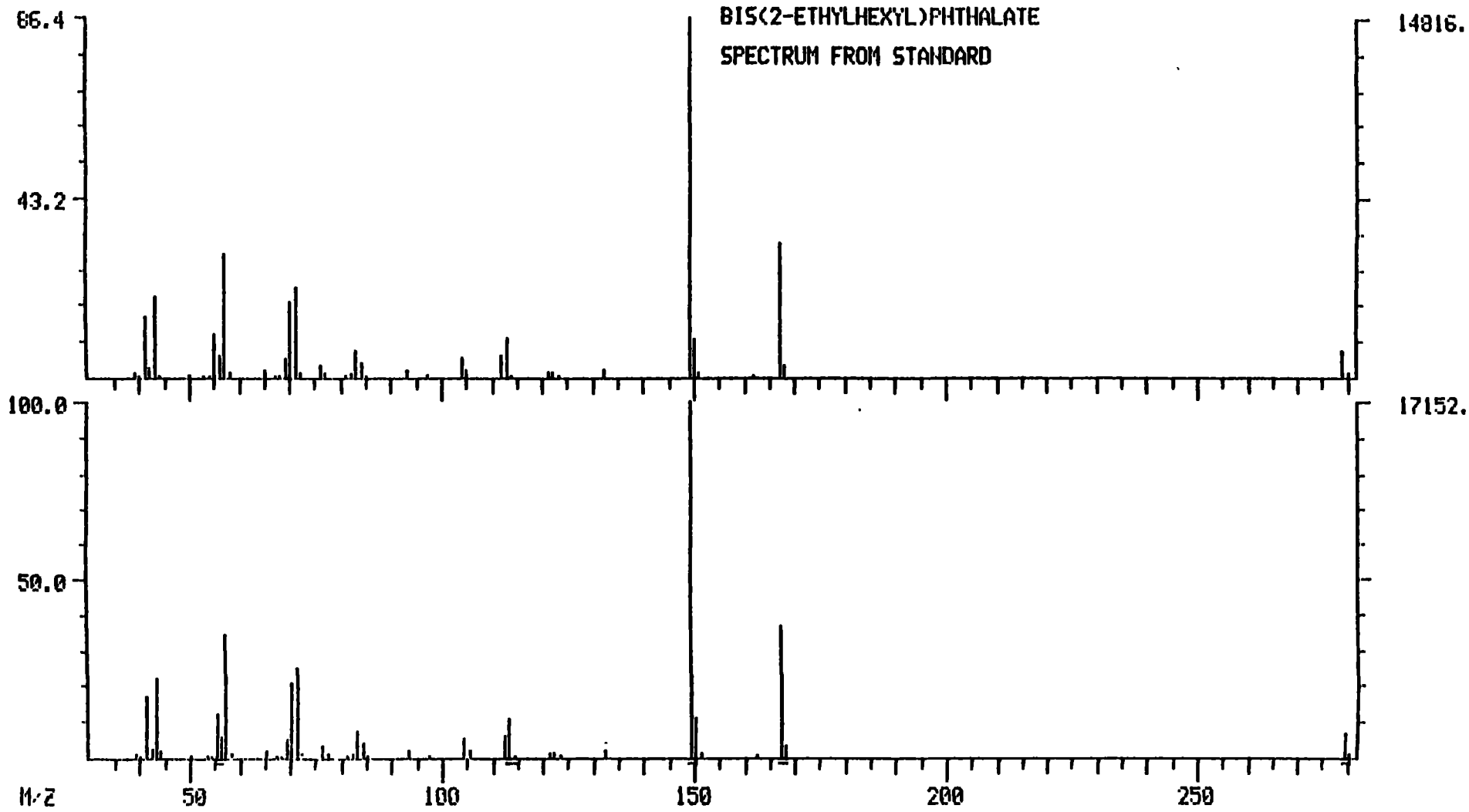


02909

DUAL MASS SPECTRUM
10/29/86 13:35:00 + 30:27
SAMPLE: 50PPM HSL STD
CONDS.: DESC ST
ENHANCED (S 15B 2H 0T)

DATA: STDR810 #2436
CALI: 103086C #5

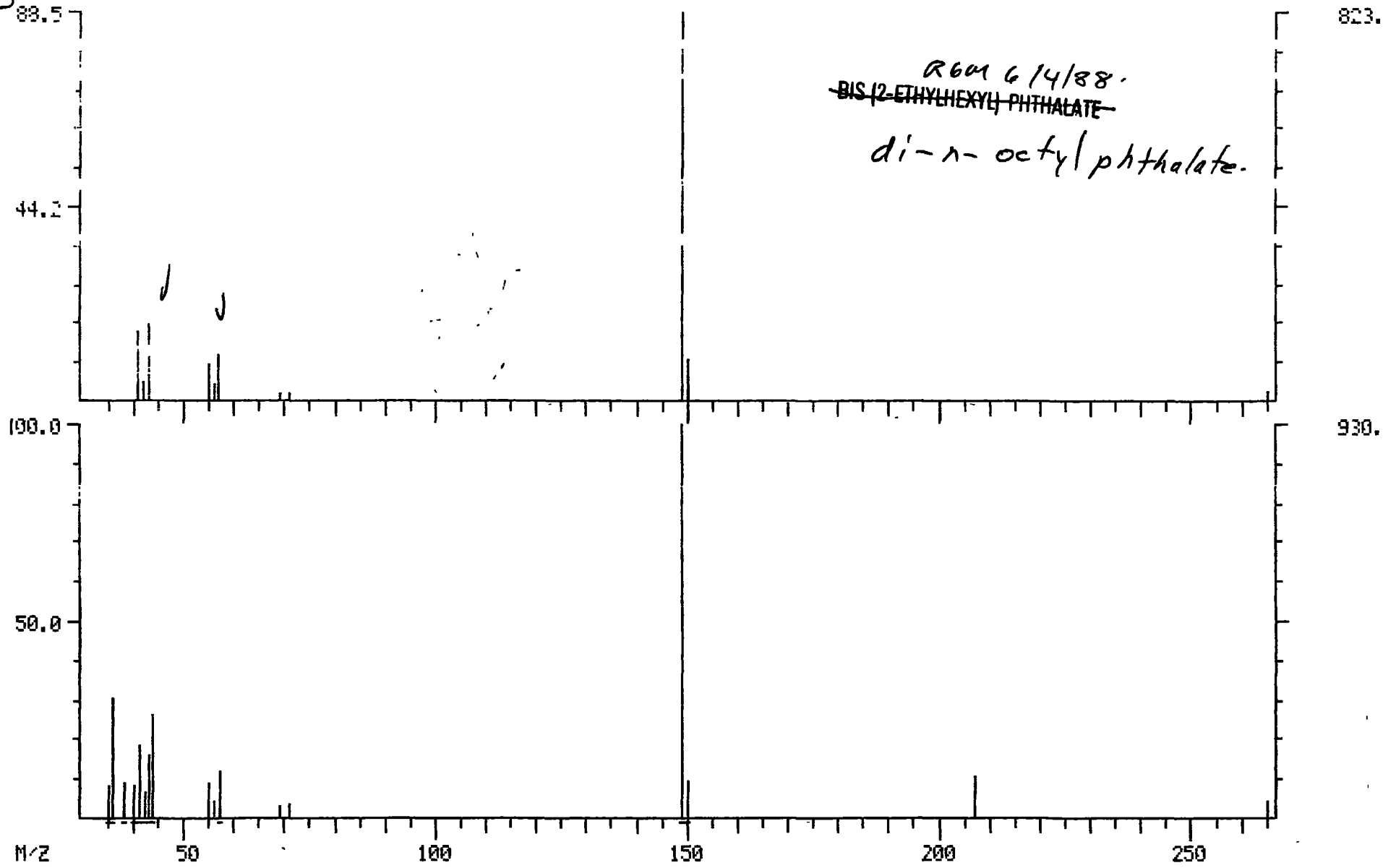
BASE M/Z: 149/ 149
RIC: 55167./ 63807.



02910

DUAL MASS SPECTRUM
06/03/88 22:58:00 + 28:14
SAMPLE: CLP,59436.,SBLK 4/23,LOW,WATER,59436-BL 100%/2ML,BNA,EPA
CONDS.:
GC TEMP: 303 DEG. C
ENHANCED (S 15B 2N 0T)

PATH: S59436U5GC #2253 BASE M/Z: 149 149
CALI: 060388CU #5 RIC: 1517./ 2591.



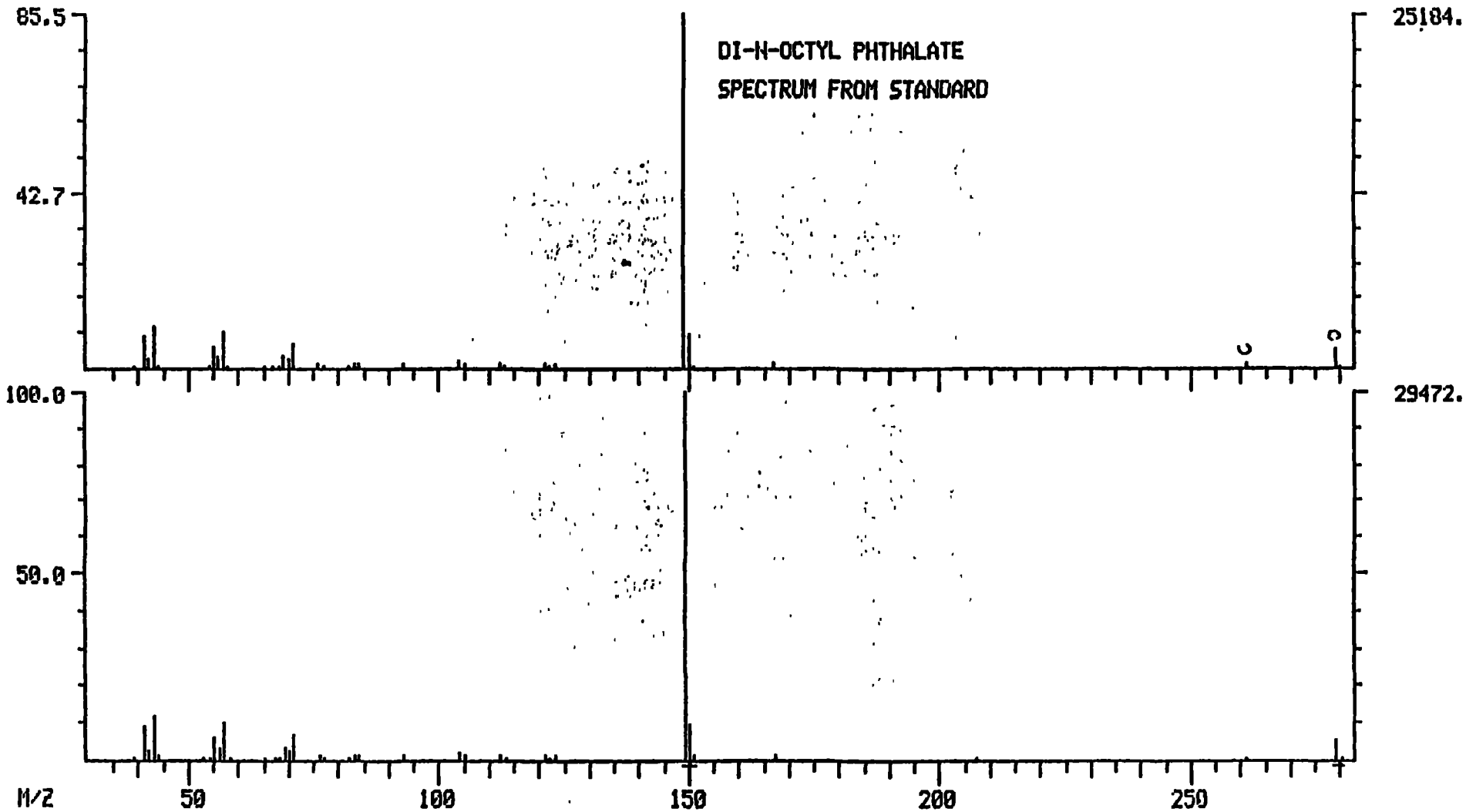
RGM 6/4/88.
~~BIS (2-ETHYLHEXYL) PHTHALATE~~
di-n-octyl phthalate.

02911

DUAL MASS SPECTRUM
10/29/86 13:35:00 + 32:18
SAMPLE: 50PPM HSL STD
CONDS.: DESC ST
ENHANCED (S 15B 2N 0T)

DATA: STDR810 #2584
CALI: 103086C #5

BASE M/Z: 149/ 149
RIC: 50111./ 58623.



DATA REDUCED BY: AR DATE: 6-8-86
DATA REVIEWED BY: ____ DATE: ____

DATA FILE: 559436U566

ENSECO TIC REPORT (PAGE 1)

SAMPLE: CLP,59436,,SBLK 4/23,LOW,WATER
CONDITIONS:

RUN FACTOR: 1.00
ANALYST: KS

#	SCAN	Q	C	CONCENTRATION IN SAMPLE (UG/ML)	CAS #	COMPOUND
1	328		2	5.5	108-88-3	BENZENE, METHYL- VOA
2	357	C	1	14.	00-00-0	OXYGENATED HYDROCARBON
3	401	C	1	9.9	00-00-0	OXYGENATED HYDROCARBON
4	436	C	1	19.	00-00-0	OXYGENATED HYDROCARBON
5	589	I	1	9.5	96-19-5	1-PROPENE, 1,2,3-TRICHLORO-

editing complete

DATA FILE: S59436U566

ENSECO TIC REPORT (PAGE 2)

CONCENTRATION = AREA(TIC)*CONC(IS)/AREA(IS)

#	FIT	PURITY	INT. STD.	RT	RRT	AREA	HEIGHT	AMOUNT AS ANALYZED (UG/ML)	LIB	LIB #
1	995	939	1	4:05	0.485	22347.	11885.	5.546	NB	850.
2	924	823	1	4:27	0.528	56747.	19679.	14.082	BC	2.
3	940	805	1	5:00	0.592	39955.	13215.	9.915	BC	2.
4	880	802	1	5:26	0.644	75740.	33311.	18.795	BC	2.
5	925	749	1	7:21	0.868	38277.	18071.	9.499	NB	6445.

TIC SELECTION REPORT

DATA FILE: S59436U566

THE FOLLOWING PEAKS WERE REJECTED BECAUSE AT LEAST 35 % OF THEIR SIZE WAS ACCOUNTED FOR BY TARGET COMPOUNDS ELUTING WITHIN 3 SCANS OF THE PEAK TOP.

SCAN	SIZE	AMOUNT
276	97919.	14.148
484	276219.	68.542
633	311577.	77.316
682	161195.	40.000
787	105315.	26.133
917	198223.	40.000
1138	163539.	33.001
1271	214755.	41.371
1569	207634.	40.000
1904	179607.	41.989
2116	171097.	40.000
2391	142135.	40.000

TOTAL NUMBER OF UNIDENTIFIED PEAKS WITH SIZE GREATER THAN 10 % OF THE CLOSEST INTERNAL STANDARD (WITHOUT INTERFERENCES) = 6

INTERNAL STANDARD DATA IS LISTED BELOW. IS FOR WHICH RIC SIZE DIFFERS FROM THE ESTIMATED RIC SIZE BY MORE THAN 70 % ARE CONSIDERED TO HAVE INTERFERENCES, AND ARE NOT USED FOR QUANTITATION.

#	LIB	LIB#	RIC SIZE	ESTIMATED RIC SIZE	INTERFERENCE
1	S1	1	161195.	155428.	
2	S2	1	198223.	135555.	
3	S3	1	214755.	112974.	*
4	S4	1	207634.	145515.	
5	S5	1	171097.	107716.	
6	S6	1	142135.	104786.	

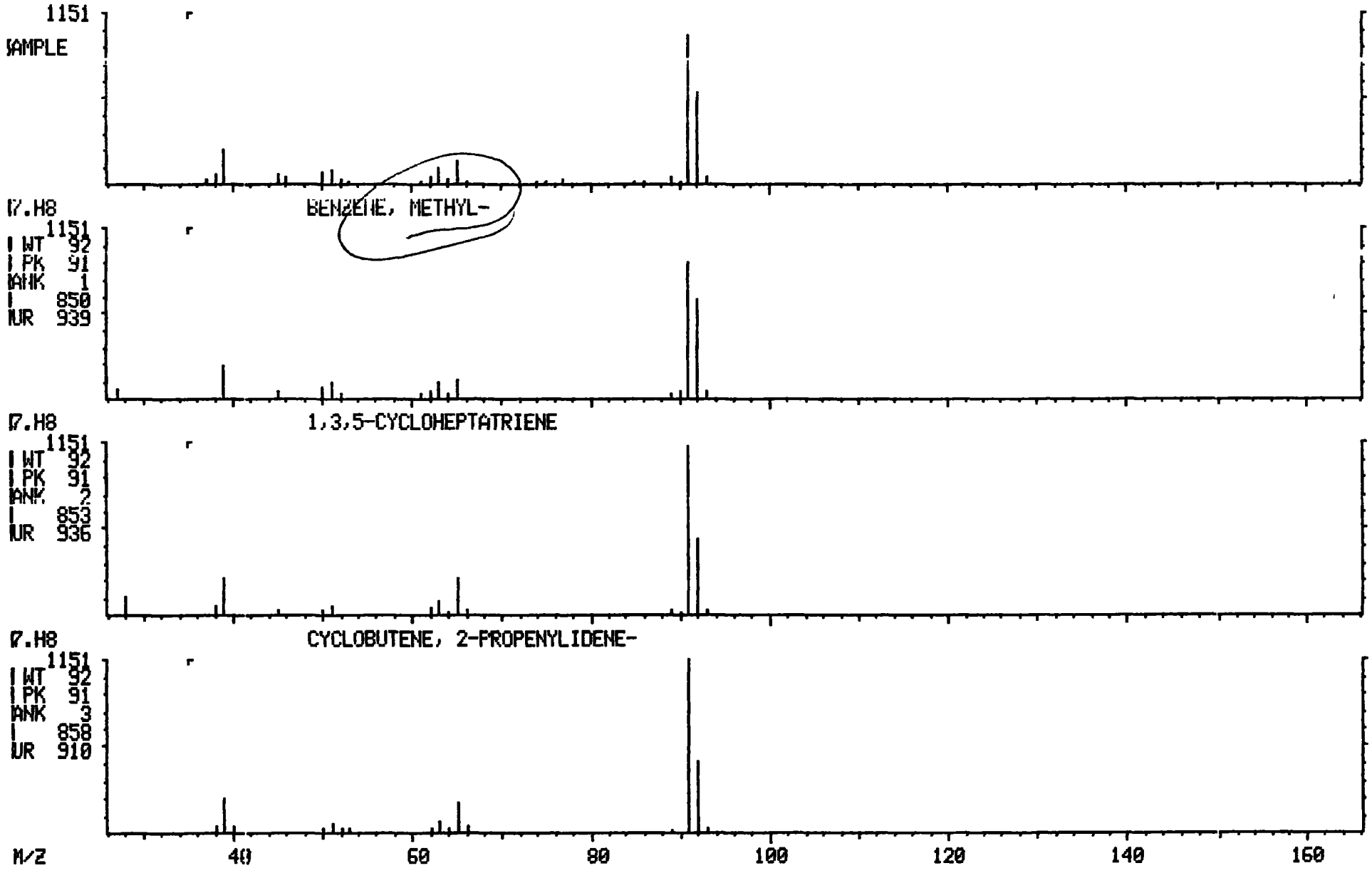
SIZE = AREA

02915

LIBRARY SEARCH
06/03/88 22:58:00 + 4:06
SAMPLE: CLP,59436,,SBLK 4/23,LOW,WATER,59436-BL 100%/2ML,BNA,EPA
CONDS.:
ENHANCED (S 15B 2N 0T)

DATA: S59436U566 # 328
CALI: 060388CU # 5

BASE M/Z: 91
RIC: 8431.

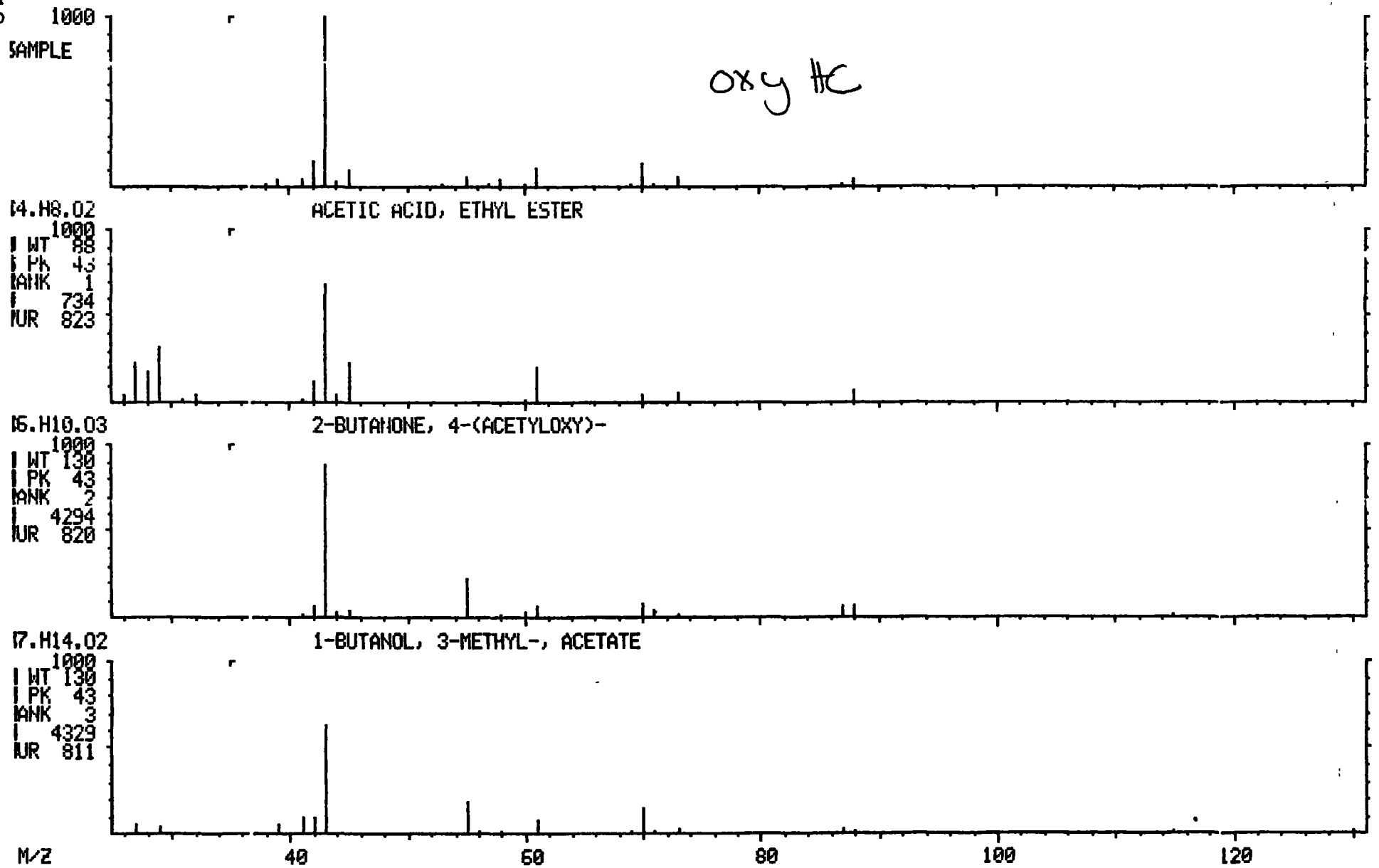


02916

LIBRARY SEARCH
06/03/88 22:58:00 + 4:28
SAMPLE: CLP,59436,,SBLK 4/23,LOW,WATER,59436-BL 100%/2ML,BNA,EPA
CONDS.:
ENHANCED (S 15B 2N 0T)

DATA: S59436U566 # 357
CALI: 060388CU # 5

BASE M/Z: 43
PIC: 14415.

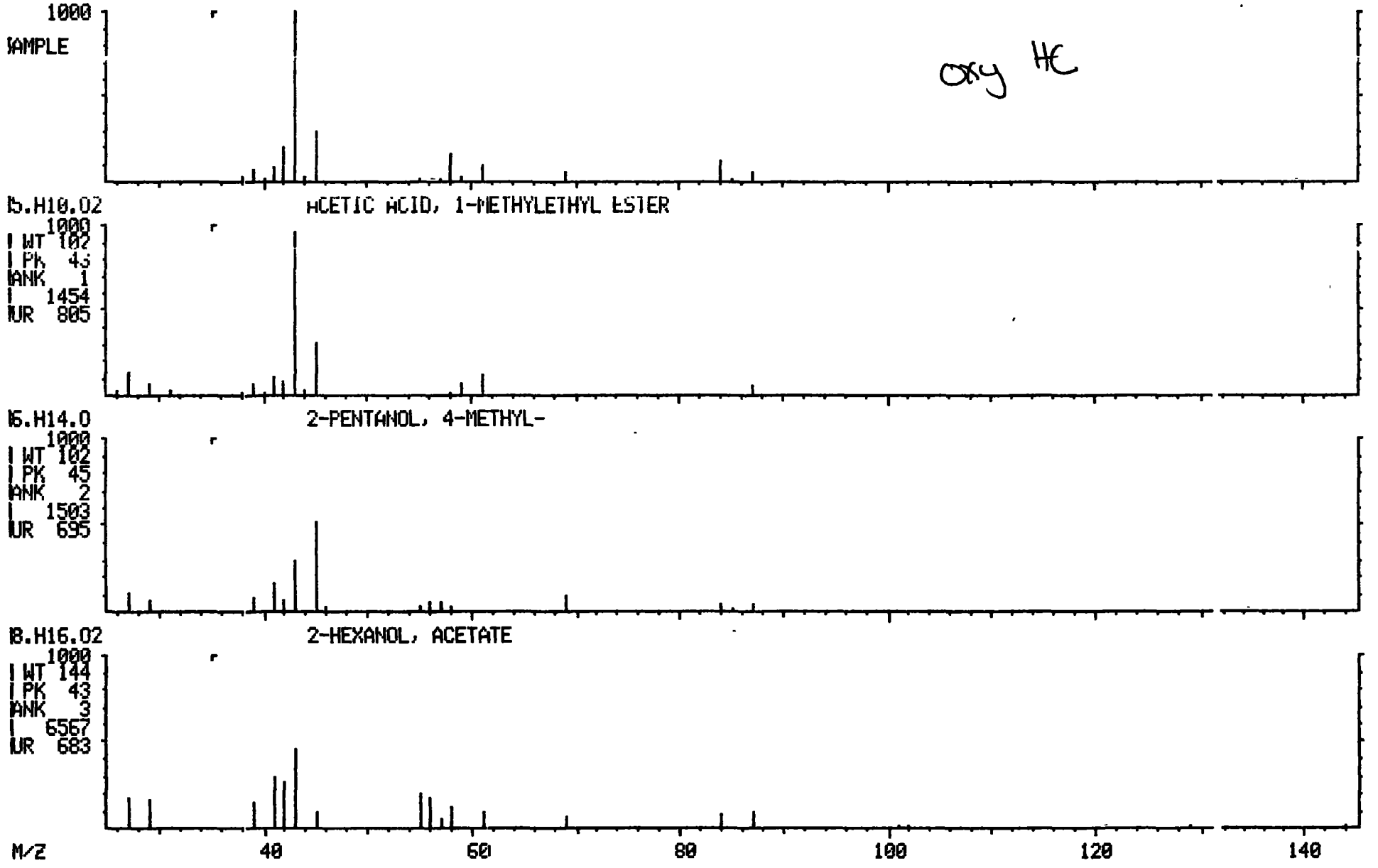


LIBRARY SEARCH
06/03/88 22:58:00 + 5:01
SAMPLE: CLP,59436,,SBLK 4/23,LOW,WATER,59436-BL 100%/2ML,BNA,EPA
CONDS.:
ENHANCED (S 15B 2N 0T)

DATA: S59436U566 # 401
CALI: 060388CU # 5

BASE M/Z: 43
RIC: 10056.

02917

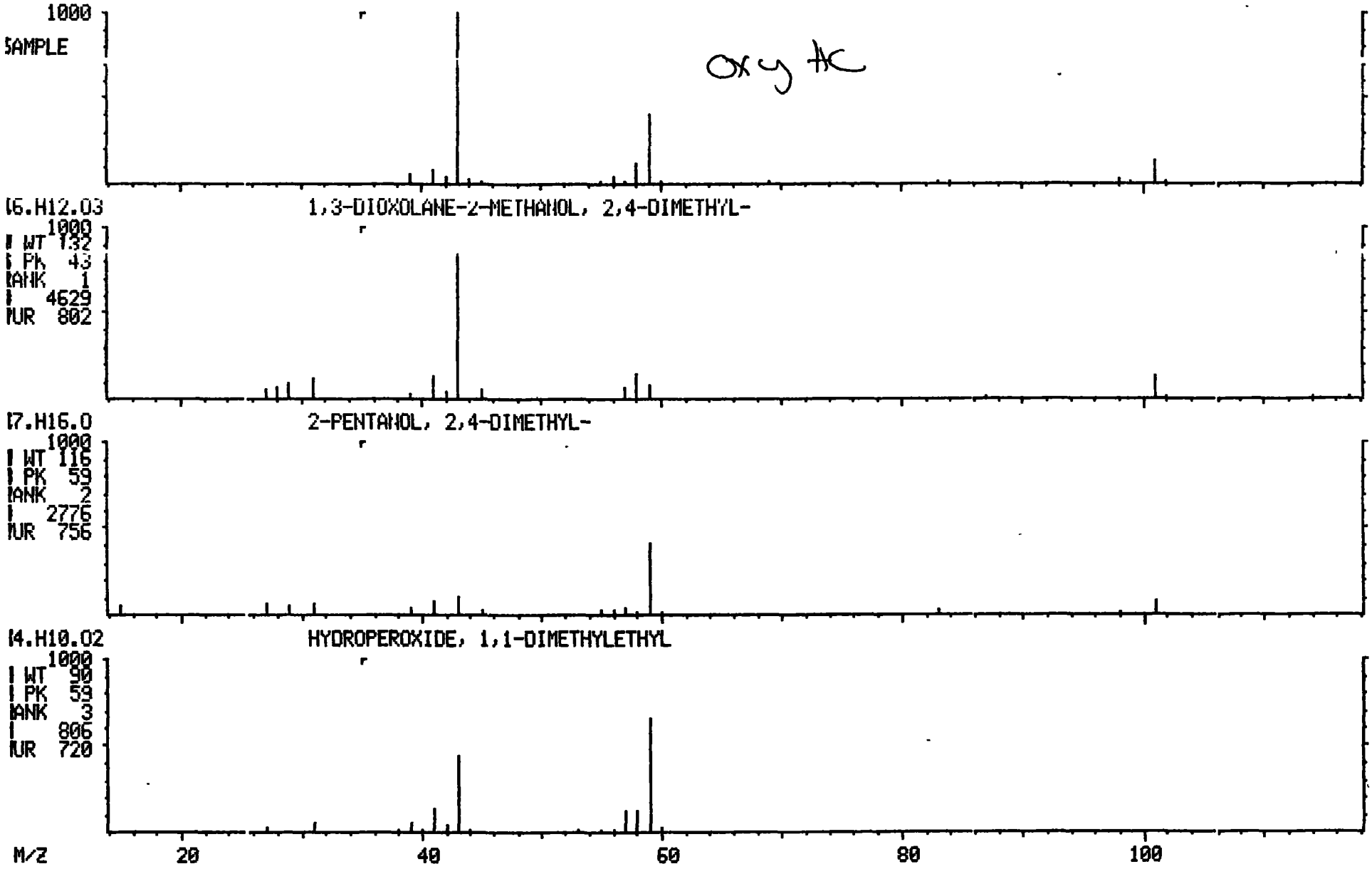


02918

LIBRARY SEARCH
06/03/88 22:58:00 + 5:27
SAMPLE: CLP,59436,,SBLK 4/23,LOW,WATER,59436-BL 100%/2ML,BNA,EPA
CONDS.:
ENHANCED (S 15B 2N 0T)

DATA: S59436U566 # 436
CALI: 060388CU # 5

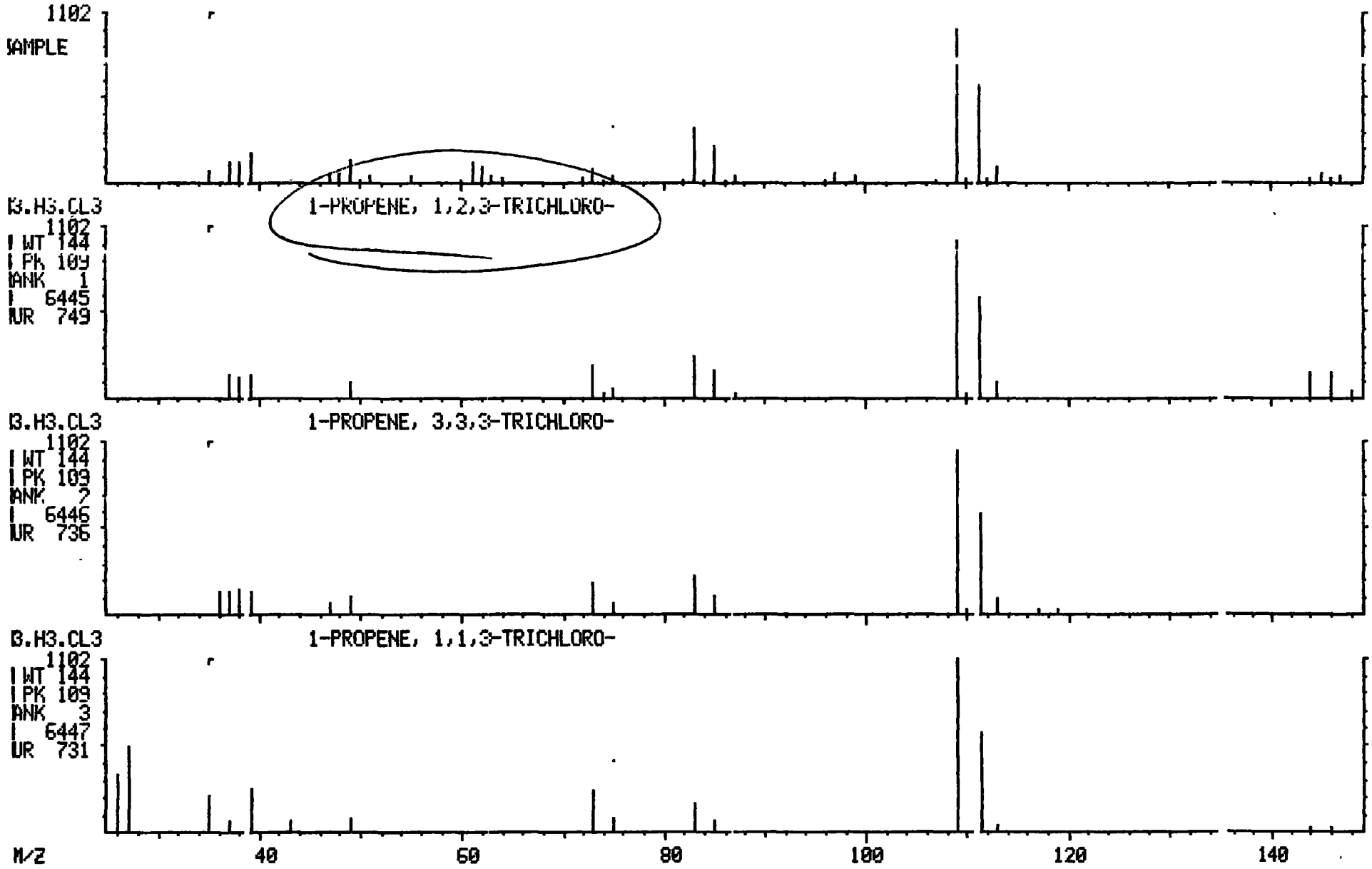
BASE M/Z: 43
RIC: 26111.



02919

LIBRARY SEARCH
06/03/88 22:58:00 + 7:22
SAMPLE: CLP,59436,,SBLK 4/23,LOW,WATER,59436-BL 100%/2ML,BNA,EPA
CONDS..:
ENHANCED (S 15B 2N 0T)

DATA: S59436U566 # 589 BASE M/Z: 109
CALI: 060388CU # 5 RIC: 14335.



PROCEDURE: TGA DIAGNOSTIC REPORT 6/04/86 16:07:31
DATA FILE: S59436U566
REFERENCE: 11TABLE
NAME LIST: LLNL INITIALIZATION OPTION: 2 PROCESSING OPTION: 3
REPORT: ISO1

STANDARDS PROC	STANDARDS USED	STANDARDS POSS	STANDARDS RMS	PLUS UNKNOWNS PROC	PLUS UNKNOWNS USED	PLUS UNKNOWNS POSS	PLUS UNKNOWNS RMS	LIST NAMES STANDARD/UNKNOWN
1	1	1	0	13	2	2	172	ISO1/TCO1
3	3	1	81	14	3	1	87	ISO2/TCO2

26 COMPOUNDS PROCESSED, 4 FOUND

COMPOUND NO	LIB	ENTRY	SEARCH REF	PRED	SEL	DELTA	PEAKS	FIT	SAT PEAKS	CHRO M/Z	TOP	DELTA	PEAKS
1	S1	1	-680	682	682	.	1	971	.	152	682	.	1
2	S1	4	-299	300	298	-2	2	957	.	84	298	.	1
3	S1	20	-301	302	.	.	.	.	.	79	301	.	1
4	S1	30	-397	398	.	.	.	.	.	93	.	.	.
5	S1	62	-462	463	.	.	.	.	.	93	.	.	.
6	S1	64	-494	495	.	.	.	.	.	107	.	.	.
7	S1	73	-525	526	.	.	.	.	.	106	.	.	.
8	S1	83	-561	562	.	.	.	.	.	107	.	.	.
9	S1	87	-582	583	.	.	.	.	.	107	.	.	.
10	S1	88	-602	603	.	.	.	.	.	107	.	.	.
11	S1	89	-610	611	.	.	.	.	.	107	.	.	.
12	S1	92	-629	630	.	.	.	.	.	107	.	.	.
13	S1	122	-666	667	.	.	.	.	.	107	.	.	.
14	S2	1	-916	918	917	-1	1	994	.	136	917	.	1
15	S3	1	-1269	1271	1271	.	1	996	.	164	1271	.	1
16	S1	137	-696	698	.	.	.	.	.	106	.	.	.
17	S1	142	-710	712	.	.	.	.	.	106	.	.	.
18	S1	187	-766	768	.	.	.	.	.	108	.	.	.
19	S1	203	-793	795	.	.	.	.	.	106	.	.	.
20	S1	202	-793	795	.	.	.	.	.	106	.	.	.
21	S1	204	-812	814	.	.	.	.	.	122	.	.	.
22	S2	27	-864	866	.	.	.	.	.	107	.	.	.
23	S2	37	-889	891	.	.	.	.	.	107	.	.	.
24	S2	47	-902	904	.	.	.	.	.	107	.	.	.
25	S2	57	-921	923	.	.	.	.	.	107	.	.	.
26	S2	150	-1079	1081	.	.	.	.	.	142	.	.	.

Quantitation Report File: S59436U566 02921

Data: S59436U566.TI
06/03/88 22:58:00
Sample: CLP,59436,,SBLK 4/23,LOW,WATER,59436-BL 100%/2ML,BNA,LPA
Conds.:
Formula: Instrument: 4500 Weight: 0.000
Submitted by: RMAL Analyst: KS Acct. No.:

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

No	Name		
1	CI30 1,4-DICHLOROBENZENE-D4	152IS1# 01	3855-82-1
2	PYRIDINE-D5	84 S1# 04	
3	PYRIDINE	79 S1# 20	110-86-1
4	2-PICOLINE	93 S1# 30	109-06-8
5	3 & 4-PICOLINE	93 S1# 62	
6	2,6-LUTIDINE	107 S1# 64	
7	2-ETHYL PYRIDINE	106 S1# 73	
8	2,4 & 2,5-LUTIDINE	107 S1# 83	
9	2,3-LUTIDINE	107 S1# 87	
10	3-ETHYL PYRIDINE	107 S1# 88	
11	4-ETHYL PYRIDINE	107 S1# 89	
12	3,5-LUTIDINE	107 S1# 92	
13	3,4-LUTIDINE	107 S1#122	
14	CI40 NAPHTHALENE-D8	136IS2# 01	1146-65-2
15	CI50 ACENAPHTHENE-D10	164IS3# 01	15067-26-2
16	2-METHYL-5-ETHYL PYRIDINE	106 S1#137	
17	2-METHYL-3-ETHYL PYRIDINE	106 S1#142	
18	M AND P CRESOLS	108 S2#187	
19	3-ETHYL-5-METHYL PYRIDINE	106 S1#203	
20	3-ETHYL-4-METHYL PYRIDINE	106 S1#202	
21	2,6-DIMETHYL PHENOL	122 S1#204	
22	2,5-DIMETHYL PHENOL	107 S2# 27	
23	3,5-DIMETHYL PHENOL	107 S2# 37	
24	2,3-DIMETHYL PHENOL	107 S2# 47	
25	3,4-DIMETHYL PHENOL	107 S2# 57	
26	1-METHYLNAPHTHALENE	142 S2#150	90-12-0

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount	%Tot
1	152	682	8:31	1	1.000	A BB	25411.	40.000 UG/ML	29.14
2	84	298	3:43	1	0.437	A BB	19424.	17.150 UG/ML	12.49
3	79	301	3:46	1	0.441	A BB	129.	0.132 UG/ML	0.10
4	NOT FOUND								
5	NOT FOUND								
6	NOT FOUND								
7	NOT FOUND								
8	NOT FOUND								
9	NOT FOUND								
10	NOT FOUND								
11	NOT FOUND								
12	NOT FOUND								
13	NOT FOUND								
14	136	917	11:28	14	1.000	A BB	92036.	40.000 UG/ML	29.14
15	164	1271	15:53	15	1.000	A BB	45076.	40.000 UG/ML	29.14
16	NOT FOUND								
17	NOT FOUND								

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Height)	Amount	%Tot
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								

No	Ret(L)	Ratio	RRT(L)	Ratio	Amnt	Amnt(L)	R.Fac	R.Fac(L)	Ratio
1	8:31	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
2	3:44	1.00	0.439	1.00	17.15	50.00	0.612	1.783	0.34
3	3:46	1.00	0.442	1.00	0.13	50.00	0.004	1.535	0.00
4	4:58		0.583						
5	5:46		0.678						
6	6:10		0.725						
7	6:34		0.771						
8	7:01		0.824						
9	7:16		0.855						
10	7:31		0.884						
11	7:37		0.896						
12	7:52		0.924						
13	8:19		0.978						
14	11:28	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
15	15:52	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
16	8:42		1.022						
17	8:52		1.043						
18	9:34		1.125						
19	9:55		1.164						
20	9:55		1.164						
21	10:09		1.192						
22	10:48		0.942						
23	11:07		0.969						
24	11:16		0.984						
25	11:31		1.352						
26	13:29		1.177						

TGA FINISHED, 7 FOUND
FINISHED AT: 6/04/88 16:56:19

RMAL QUANTITATION SUMMARY FILE: 5D7436U366
COMPOUNDS WITH AMOUNTS LESS THAN 1.00 REPORTED AS NOT FOUND

UNITS: UG/ML

NO	LIBRARY ENTRY	NAME	MASS	SCAN	REF	AREA	RRF	AMOUNT
1	S1# 1	CI30 1,4-DICHLOROBENZENE	152	682	1	15411.	1.000	40.000
2	S2# 1	CI40 NAPHTHALENE-D8	136	917	2	92036.	1.000	40.000
3	S3# 1	CI50 ACENAPHTHENE-D10	164	1271	3	45076.	1.000	40.000
4	S1# 4	PYRIDINE-D5	84	298	1	19424.	0.612	17.150
5	S1# 20	PYRIDINE	79		1	NOT FOUND		
6	S1# 30	2-PICOLINE	93		1	NOT FOUND		
7	S1# 62	3 & 4-PICOLINE	93		1	NOT FOUND		
8	S1# 64	2,6-LUTIDINE	107		1	NOT FOUND		
9	S1# 73	2-ETHYL PYRIDINE	106		1	NOT FOUND		
10	S1# 83	2,4 & 2,5-LUTIDINE	107		1	NOT FOUND		
11	S1# 87	2,3-LUTIDINE	107		1	NOT FOUND		
12	S1# 88	3-ETHYL PYRIDINE	107		1	NOT FOUND		
13	S1# 89	4-ETHYL PYRIDINE	107		1	NOT FOUND		
14	S1# 92	3,5-LUTIDINE	107		1	NOT FOUND		
15	S1#122	3,4-LUTIDINE	107		1	NOT FOUND		
16	S1#137	2-METHYL-5-ETHYL PYRIDIN	106		1	NOT FOUND		
17	S1#142	2-METHYL-3-ETHYL PYRIDIN	106		1	NOT FOUND		
18	S1#187	M AND P CRESOLS	108		1	NOT FOUND		
19	S1#202	3-ETHYL-4-METHYL PYRIDIN	106		1	NOT FOUND		
20	S1#203	3-ETHYL-5-METHYL PYRIDIN	106		1	NOT FOUND		
21	S1#204	2,6-DIMETHYL PHENOL	122		1	NOT FOUND		
22	S2# 27	2,5-DIMETHYL PHENOL	107		2	NOT FOUND		
23	S2# 37	3,5-DIMETHYL PHENOL	107		2	NOT FOUND		
24	S2# 47	2,3-DIMETHYL PHENOL	107		2	NOT FOUND		
25	S2# 57	3,4-DIMETHYL PHENOL	107		1	NOT FOUND		
26	S2#150	1-METHYLNAPHTHALENE	142		2	NOT FOUND		

X2 ÷ 100

34%

SAMPLE #1 RACK #2 VIAL #4

02924

6/2/88 14:33:11 SCAN 1 OF 2850
Acquisition started

Acquire Run 0:S59436R982 ACQUIRING
06/02/88 14:31:00 + 0:03 Free sectors: 23680 Scan: 4 of 2850
Sample: 59436-BL4/25 REPREP BNA H2O 100%/2ML
Conds.: ST
Formula: AUTO INJ Instrument: 4500 Weight: 0.000
Submitted by: RMAL Analyst: MK Acct. No: 59436

********** GC PARAMETERS **********

Loaded GC Desc:ST Current GC oven tmp: 30 DegC Injector : 250 DegC
Current GC Desc:ST GC elapsed time : 0: 7 min Int.oven : 275 DegC

Seq.#	Temp(C)	Rate(C/m)	Time(min)	Total time(min)		Open	Close
1	30 - 30	-	1.0	1.0	Sweep/Split	0.5	0.0
2	30 - 325	10.0	29.5	30.5	Divert	45.5	0.0
3	325 - 325	-	15.0	45.5			
4	325 - 325	-	0.0	45.5			

********** SCAN PARAMETERS **********

Low mass: 35 Up: 0.70 L* Top: 0.00
High mass: 500 Down: 0.00 L Bottom: 0.05

Cent S/P: 10 Actual: 10 Samp Int (ms): 0.150 Peak Width: 1000.
Frag S/P: 10 Actual: 10 Samp Int (ms): 0.150 Inten/ion: 2

Min Peak Width: 3 Min Frag Width %: 80 Min Area: 20
ADC Threshold: 1 Baseline: 0

***** Mode: Centroid positive ion

Interface number	0	
Sub-interface number	0	
# of acqu buffers	16	
Instrument type	G	
Full scale mass	1024	u
Zero scale mass	1	u
Intensity/ion	2	
Peak Width	1000.	mmu
Offset at low mass	0	mmu
Offset at high mass	0	mmu
Voltage settling time(MS)	4	

RF = 2.0

6/2/88 15:08:51
ACQUISITION COMPLETED
SCANS 1 TO 2850 Centroid

Mode	Scans	Secs	Out of	%	Peaks per scan	per sec
Centroid	2850	506.0	2137.5	23.7	54307. 19.	25.

TC = Target Compound
SC = Spike Compound

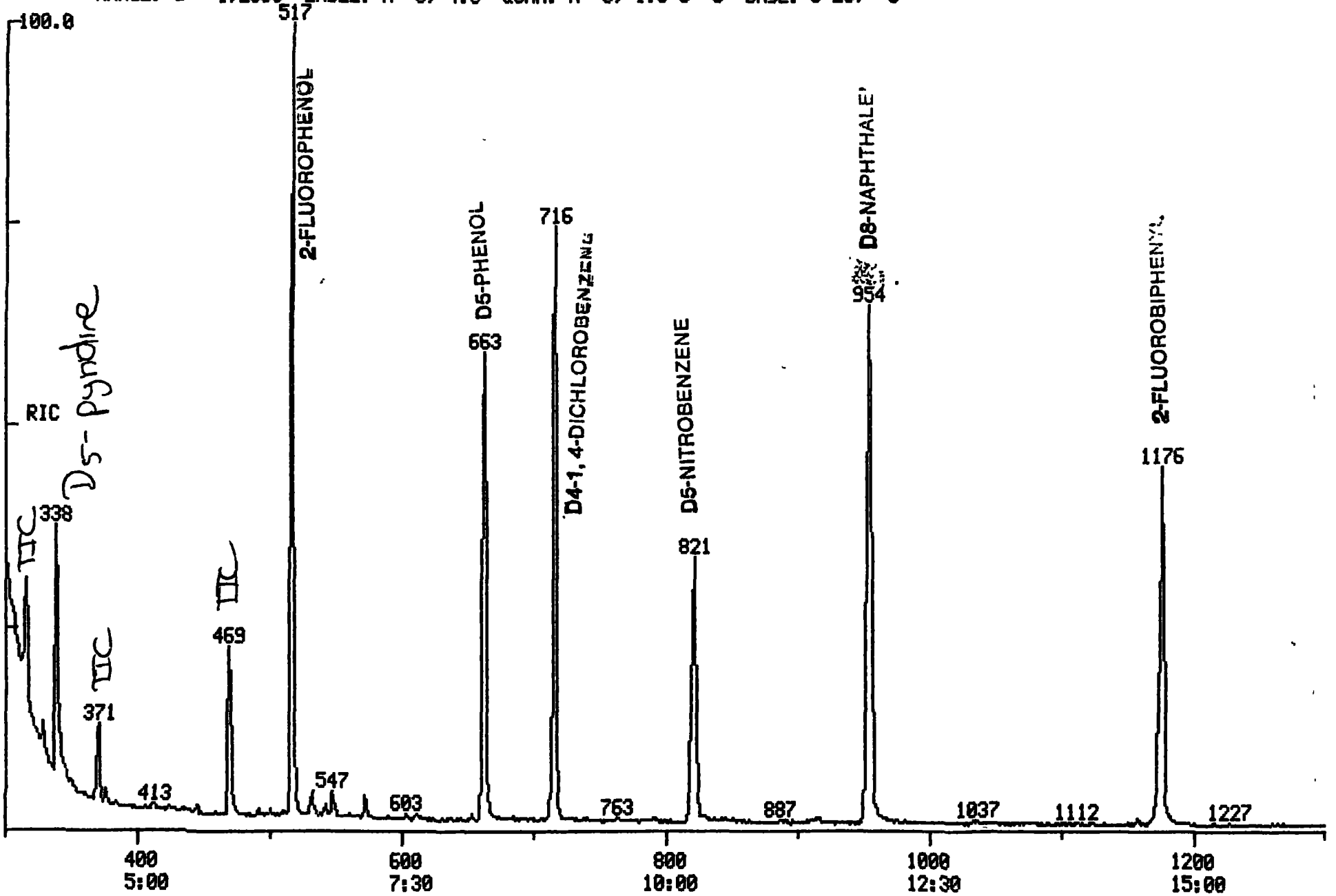
T.I.C.-Tent. Ident. Compound

02925

RIC
06/02/88 14:31:00
SAMPLE: 59436-BL4/25 REPREP BNA H2O 100Z/2ML
CONDS.: ST
RANGE: G 1,2850 LABEL: N 0, 4.0 QUAN: A 0, 1.0 J 0 BASE: U 20, 3

DATA: 559436R982 #4
CALI: 060288CR #5

SCANS 300 TO 1300
OUT OF 300 TO 2850



02926

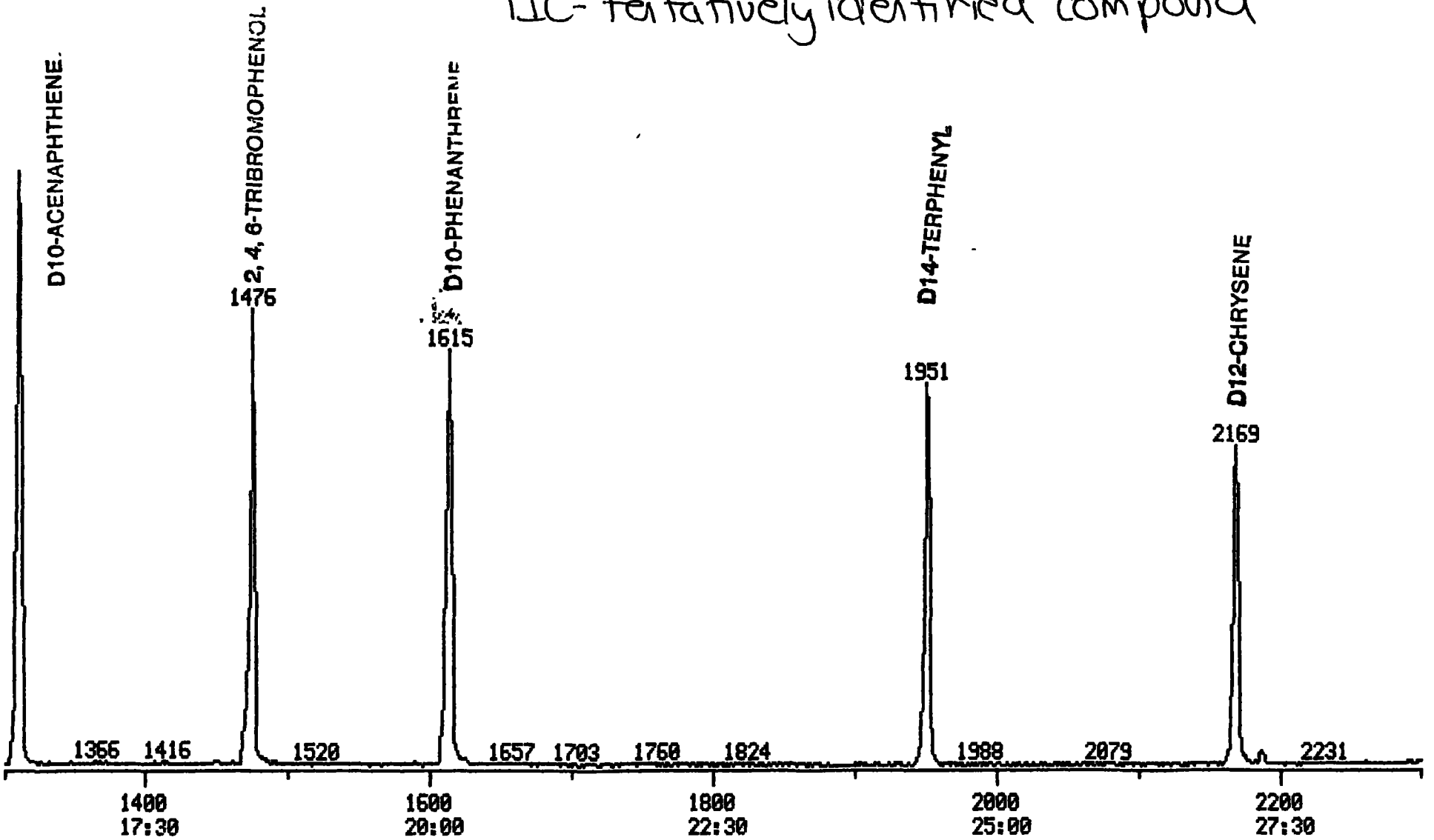
RIC
06/02/88 14:31:00
SAMPLE: 59436-BL4/25 REPREP BNA H2O 100%/2ML
CONDS.: ST
RANGE: G 1,2850 LABEL: N 0, 4.0 QUAN: A 0, 1.0 J 0 BASE: U 20, 3

DATA: S59436R982 #4 SCANS 1300 TO 2300
CALI: 060288CR #5 OUT OF 300 TO 2850

TC = Target Compound
SC = Spike Compound

100.0

TC- target compound
TIC- tentatively identified compound



02927

TC=Target Compound
SC=Spike Compound

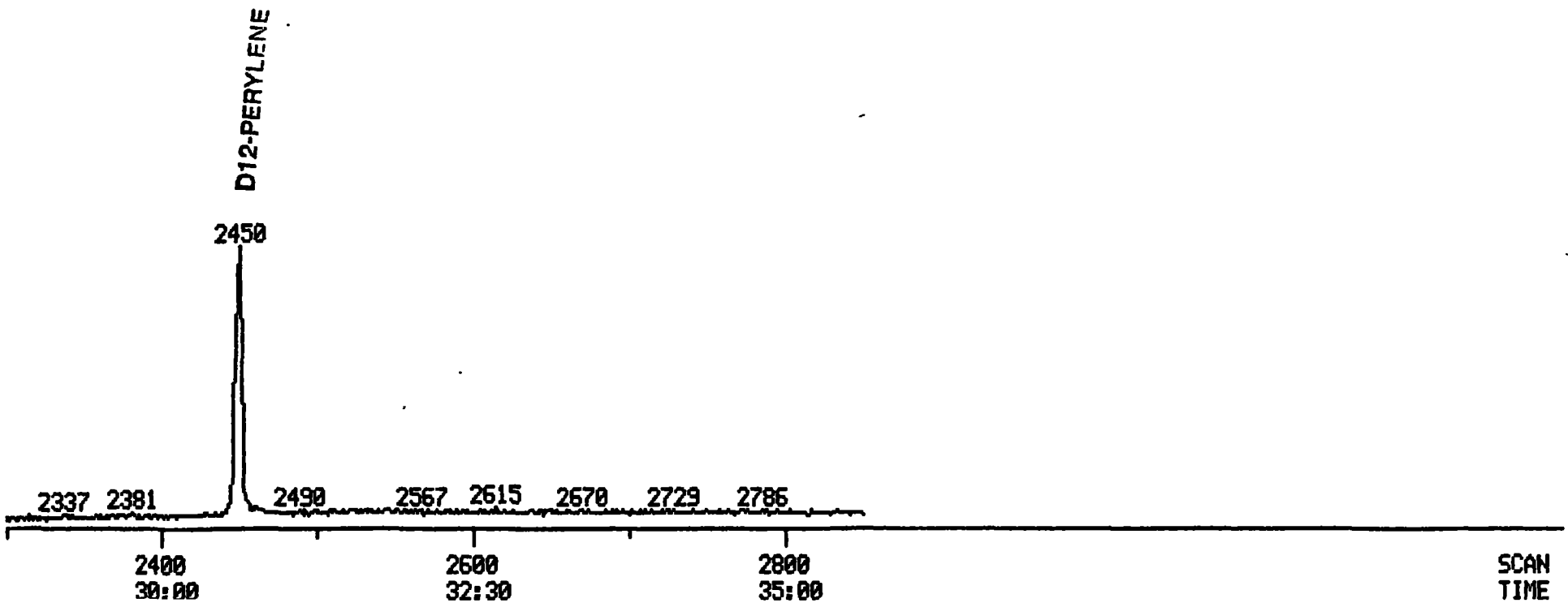
TIC=Tent Ident. Compound

RIC
06/02/88 14:31:00
SAMPLE: 59436-BL4/25 REPREP BNA H2O 100%/2ML
CONDS.: ST
RANGE: G 1,2850 LABEL: N 0, 4.0 QUAN: A 0, 1.0 J 0 BASE: U 20, 3

DATA: S59436R982 #4
CALI: 060288CR #5

SCANS 2300 TO 2850
OUT OF 300 TO 2850

100.0 85504.



ROCEDURE: TCA DIAGNOSTIC REPORT 6/02/88 19:55:04
DATA FILE: S59436R982
REFERENCE: 11TABLE
NAME LIST: LLNL INITIALIZATION OPTION: 2 PROCESSING OPTION: 3
REPORT: IS01

02928

< ---- STANDARDS ----- ><				--- PLUS UNKNOWNS --- ><				- LIST NAMES - >
PROC	USED	POSS	RMS	PROC	USED	POSS	RMS	STANDARD/UNKNOWN
1	1	2	0	7	4	1	158	IS01/TC01
3	3	1	32	18	5	2	437	IS02/TC02
3	3	1	32	12	3	1	32	IS03/TC03
3	3	2	82	18	4	1	70	IS04/TC04
3	3	1	82	10	4	2	69	IS05/TC05
3	3	1	52	8	3	1	52	IS06/TC06
3	3	1	53	14	5	1	38	IS07/TC07
1	1	1	0	4	1	1	0	IS08/TC08

77 COMPOUNDS PROCESSED, 15 FOUND

< COMPOUND ><			---------- SEARCH							>< SAT ><	------ CHRO			
NO	LIB	ENTRY	REF	PRED	SEL	DELTA	PEAKS	FIT	PEAKS	M/Z	TOP	DELTA	PEAKS
1	S1	1	-716	716	716	.	2	977	.	152	716	.	1
2	S1	2	-518	517	517	.	1	996	.	112	517	.	1
3	S1	3	-666	664	663	-1	1	939	.	99	663	.	1
4	S1	105	-668	666	.	.	.	.	.	94	665	.	1
5	S1	110	-680	678	.	.	.	.	.	93	.	.	.
6	S1	115	-687	685	685	.	1	856	.	128	685	.	1
7	S1	125	-710	708	.	.	.	.	.	146	.	.	.
8	S2	1	-954	954	954	.	1	994	.	136	954	.	1
9	S3	1	-1312	1311	1311	.	1	991	.	164	1311	.	1
10	S1	130	-720	718	.	.	.	.	.	146	.	.	.
11	S1	145	-748	746	.	.	.	.	.	108	.	.	.
12	S1	150	-753	751	.	.	.	.	.	146	.	.	.
13	S1	160	-771	769	.	.	.	.	.	108	.	.	.
14	S1	165	-776	774	.	.	.	.	.	45	.	.	.
15	S1	185	-798	796	.	.	.	.	.	108	.	.	.
16	S1	190	-804	802	.	.	.	.	.	70	.	.	.
17	S1	200	-808	806	.	.	.	.	.	117	.	.	.
18	S2	2	-823	821	821	.	1	997	.	82	821	.	1
19	S2	10	-827	825	.	.	.	.	.	77	.	.	.
20	S2	20	-872	870	.	.	.	.	.	82	872	.	1
21	S2	25	-886	884	.	.	.	.	.	139	.	.	.
22	S2	30	-897	895	.	.	.	.	.	107	.	.	.
23	S2	35	-917	915	.	.	.	.	.	93	.	.	.
24	S2	45	-926	924	917	-7	2	931	.	122	918	1	1
25	S2	40	-932	932	.	.	.	.	.	162	.	.	.
26	S2	55	-948	948	.	.	.	.	.	180	.	.	.
27	S2	60	-959	959	.	.	.	.	.	128	.	.	.
28	S2	80	-976	976	.	.	.	.	.	127	.	.	.
29	S2	95	-996	996	.	.	.	.	.	225	.	.	.
30	S2	130	-1074	1074	.	.	.	.	.	107	1076	.	1
31	S2	145	-1097	1096	.	.	.	.	.	142	.	.	.
32	S3	20	-1143	1142	.	.	.	.	.	237	.	.	.
33	S3	25	-1161	1160	.	.	.	.	.	196	.	.	.
34	S4	1	-1615	1615	1615	.	2	990	.	188	1614	-1	1
35	S3	30	-1168	1167	.	.	.	.	.	196	.	.	.
36	S3	3	-1177	1176	1176	.	1	998	.	172	1176	.	1
37	S3	40	-1195	1194	.	.	.	.	.	162	.	.	.
38	S3	45	-1225	1224	.	.	.	.	.	65	.	.	.
39	S3	55	-1272	1272	.	.	.	.	.	163	.	.	.
40	S3	65	-1281	1281	.	.	.	.	.	152	.	.	.
41	S3	70	-1285	1285	.	.	.	.	.	165	.	.	.

43	S3	80	-1320	1320	.	.	.	.	.	153	.	.	.
44	S3	85	-1331	1331	.	.	.	.	.	184	.	.	.
45	S3	95	-1348	1348	.	.	.	.	.	109	.	.	.
46	S3	90	-1352	1352	.	.	.	.	.	168	.	.	.
47	S3	105	-1363	1363	.	.	.	.	.	165	.	.	.
48	S3	130	-1418	1418	.	.	.	.	.	149	.	.	.
49	S3	135	-1423	1423	.	.	.	.	.	166	.	.	.
50	S3	140	-1425	1424	.	.	.	.	.	204	.	.	.
51	S3	150	-1438	1437	.	.	.	.	.	138	.	.	.
52	S4	10	-1447	1446	.	.	.	.	.	198	.	.	.
53	S4	15	-1452	1451	.	.	.	.	.	169	1450	.	1
54	S3	2	-1477	1476	1476	.	2	982	.	330	1476	.	1
55	S4	30	-1525	1524	.	.	.	.	.	248	.	.	.
56	S4	40	-1554	1553	.	.	.	.	.	284	.	.	.
57	S5	1	-2169	2169	2169	.	1	965	.	240	2169	.	1
58	S4	50	-1591	1591	.	.	.	.	.	266	.	.	.
59	S4	65	-1621	1621	.	.	.	.	.	178	1619	.	1
60	S4	70	-1630	1630	.	.	.	.	.	178	.	.	.
61	S4	85	-1753	1753	.	.	.	.	.	149	1752	.	1
62	S4	110	-1868	1868	.	.	.	.	.	202	.	.	.
63	S6	1	-2449	2450	2450	.	1	990	.	264	2450	.	1
64	S5	15	-1914	1914	.	.	.	.	.	202	1915	.	1
65	S5	2	-1951	1951	1951	.	1	992	.	244	1951	.	1
66	S5	40	-2062	2062	.	.	.	.	.	149	2061	.	1
67	S5	55	-2165	2165	.	.	.	.	.	252	.	.	.
68	S5	50	-2166	2166	.	.	.	.	.	228	2167	.	1
69	S5	60	-2176	2176	.	.	.	.	.	228	.	.	.
70	S5	65	-2187	2187	2187	.	1	987	.	149	2187	.	1
71	S6	10	-2310	2310	.	.	.	.	.	149	2309	.	1
72	S6	15	-2380	2380	.	.	.	.	.	252	.	.	.
73	S6	25	-2386	2387	.	.	.	.	.	252	.	.	.
74	S6	35	-2440	2441	.	.	.	.	.	252	.	.	.
75	S6	55	-2686	2687	.	.	.	.	.	276	.	.	.
76	S6	60	-2689	2690	.	.	.	.	.	278	.	.	.
77	S6	65	-2753	2754	.	.	.	.	.	276	.	.	.

02929

uantitation Report File: S59436R982

02930

ata: S59436R982.TI
6/02/88 14:31:00
ample: 59436-BL4/25 REPREP BNA H2O 100%/2ML
onds.: ST
ormula: AUTO INJ Instrument: 4500 Weight: 0.000
ubmitted by: RMAL Analyst: MK Acct. No.: 59436

MOUNT=AREA * REF AMNT/(REF AREA * RESP FACT)
esp. fac. from Library Entry

No	Name				
1	CI30	1,4-DICHLOROBENZENE-D4	152	IS1# 01	3855-82-1
2	CS50	2-FLUOROPHENOL	112	SS1# 02	367-12-4
3	CS45	PHENOL-D5	99	SS1# 03	4165-62-2
4	C315	PHENOL	94	S1#105CC	108-95-2
5	C325	BIS(2-CHLOROETHYL)ETHER	93	S1#110	111-44-4
6	C330	2-CHLOROPHENOL	128	S2#115	95-57-8
7	C335	1,3-DICHLOROBENZENE	146	S1#125	541-73-1
8	CI40	NAPHTHALENE-D8	136	IS2# 01	1146-65-2
9	CI50	ACENAPHTHENE-D10	164	IS3# 01	15067-26-2
10	C340	1,4-DICHLOROBENZENE	146	S1#130CC	106-46-7
11	C345	BENZYL ALCOHOL	108	S1#145	100-51-6
12	C350	1,2-DICHLOROBENZENE	146	S1#150	95-50-1
13	C355	2-METHYLPHENOL	108	S1#160	95-48-7
14	C360	BIS(2-CHLOROISOPROPYL)E	45	S1#165	108-60-1
15	C365	4-METHYLPHENOL	108	S1#185	106-44-5
16	C370	N-NITROSO-DI-N-PROPYLAM	70	S1#190SP	621-64-7
17	C375	HEXACHLOROETHANE	117	S1#200	67-72-1
18	CS20	NITROBENZENE-D5	82	SS2# 02	4165-60-0
19	C410	NITROBENZENE	77	S2# 10	98-95-3
20	C415	ISOPHORONE	82	S2# 20	75-59-1
21	C420	2-NITROPHENOL	139	S2# 25CC	88-75-5
22	C425	2,4-DIMETHYLPHENOL	107	S2# 30	105-67-9
23	C435	BIS(2-CHLOROETHOXY)METH	93	S2# 35	111-91-1
24	C430	BENZOIC ACID	122	S2# 45	65-85-0
25	C440	2,4-DICHLOROPHENOL	162	S2# 40	120-83-2
26	C445	1,2,4-TRICHLOROBENZENE	180	S2# 55	120-82-1
27	C450	NAPHTHALENE	128	S2# 60	91-20-3
28	C455	4-CHLOROANALINE	127	S2# 80	106-47-8
29	C460	HEXACHLOROBUTADIENE	225	S2# 95CC	87-68-3
30	C465	4-CHLORO-3-METHYLPHENO	107	S2#130CC	59-50-7
31	C470	2-METHYLNAPHTHALENE	142	S2#145	91-57-6
32	C510	HEXACHLOROCYCLOPENTADI	237	S3# 20	77-47-4
33	C515	2,4,6-TRICHLOROPHENOL	196	S3# 25CC	88-06-2
34	CI60	PHENANTHRENE-D10	188	IS4# 01	1517-22-2
35	C520	2,4,5-TRICHLOROPHENOL	196	S3# 30	95-95-4
36	CS25	2-FLUOROBIPHENYL	172	SS3# 03	321-60-8
37	C525	2-CHLORONAPHTHALENE	162	S3# 40	91-58-7
38	C530	2-NITROANALINE	65	S3# 45	88-74-4
39	C535	DIMETHYLPHTHALATE	163	S3# 55	131-11-3
40	C540	ACENAPHTHYLENE	152	S3# 65	208-96-8
41	C543	2,6-DINITROTOLUENE	165	S3# 70	606-20-2
42	C545	3-NITROANILINE	138	S3# 75	99-09-2
43	C550	ACENAPHTHENE	153	S3# 80CC	83-32-9
44	C555	2,4-DINITROPHENOL	184	S3# 85SP	51-28-5
45	C560	4-NITROPHENOL	109	S3# 95SP	100-02-7
46	C565	DIBENZOFURAN	168	S3# 90	132-64-9
47	C570	2,4-DINITROTOLUENE	165	S3#105	121-14-2

02931

No	Name			
48	C580 DIETHYLPHTHALATE	149	S3#130	84-66-2
49	C590 FLUORENE	166	S3#135	86-73-7
50	C585 4-CHLOROPHENYL-PHENYLE	204	S3#140	7005-72-3

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount	%Tot
1	152	716	8:57	1	1.000	A BV	26152.	40.000 UG/ML	7.60
2	112	517	6:28	1	0.722	A BB	54753.	57.084 UG/ML	10.85
3	99	663	8:17	1	0.926	A BB	51297.	38.506 UG/ML	7.32
4	94	665	8:19	1	0.929	A BB	135.	0.091 UG/ML	0.02
5	NOT FOUND								
6	128	685	8:34	1	0.957	A BB	83.	0.090 UG/ML	0.02
7	NOT FOUND								
8	136	954	11:55	8	1.000	A BB	101009.	40.000 UG/ML	7.60
9	164	1311	16:23	9	1.000	A BB	46956.	40.000 UG/ML	7.60
10	NOT FOUND								
11	NOT FOUND								
12	NOT FOUND								
13	NOT FOUND								
14	NOT FOUND								
15	NOT FOUND								
16	NOT FOUND								
17	NOT FOUND								
18	82	821	10:16	8	0.861	A BB	35438.	31.302 UG/ML	5.95
19	NOT FOUND								
20	82	872	10:54	8	0.914	A BV	52.	0.025 UG/ML	0.00
21	NOT FOUND								
22	NOT FOUND								
23	NOT FOUND								
24	122	918	11:28	8	0.962	A BB	113.	0.258 UG/ML	0.05
25	NOT FOUND								
26	NOT FOUND								
27	NOT FOUND								
28	NOT FOUND								
29	NOT FOUND								
30	107	1076	13:27	8	1.128	A BB	46.	0.059 UG/ML	0.01
31	NOT FOUND								
32	NOT FOUND								
33	NOT FOUND								
34	188	1614	20:10	34	1.000	A BV	65081.	40.000 UG/ML	7.60
35	NOT FOUND								
36	172	1176	14:42	9	0.897	A BB	47552.	28.669 UG/ML	5.45
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	8:58	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
2	6:28	1.00	0.722	1.00	57.08	100.00	0.837	1.467	0.57
3	8:19	1.00	0.929	1.00	38.51	100.00	0.785	2.038	0.39
4	8:21	1.00	0.932	1.00	0.09	50.00	0.004	2.261	0.00
5	8:30		0.948						
6	8:35	1.00	0.958	1.00	0.09	50.00	0.003	1.410	0.00
7	8:52		0.990						
8	11:56	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
9	16:25	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
10	9:00		1.004						
11	9:21		1.043						
12	9:25		1.050						
13	9:38		1.075						
14	9:42		1.082						
15	9:58		1.113						
16	10:03		1.121						
17	10:06		1.127						
18	10:17	1.00	0.862	1.00	31.30	50.00	0.281	0.448	0.63
19	10:20		0.866						
20	10:54	1.00	0.913	1.00	0.02	50.00	0.000	0.840	0.00
21	11:04		0.928						
22	11:13		0.939						
23	11:28		0.960						
24	11:34	0.99	0.970	0.99	0.26	50.00	0.001	0.174	0.01
25	11:39		0.976						
26	11:51		0.993						
27	11:59		1.004						
28	12:12		1.022						
29	12:27		1.043						
30	13:25	1.00	1.125	1.00	0.06	50.00	0.000	0.308	0.00
31	13:43		1.149						
32	14:17		0.871						
33	14:31		0.884						
34	20:12	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
35	14:36		0.890						
36	14:43	1.00	0.896	1.00	28.67	50.00	0.810	1.413	0.57
37	14:56		0.910						
38	15:19		0.933						
39	15:54		0.969						
40	16:01		0.976						
41	16:04		0.979						
42	16:23		0.998						
43	16:30		1.005						
44	16:38		1.014						
45	16:51		1.027						
46	16:54		1.030						
47	17:02		1.038						
48	17:43		1.080						
49	17:47		1.084						
50	17:49		1.085						

Quantitation Report File: S59436R982

02933

Data: S59436R982.TI
06/02/88 14:31:00
Sample: 59436-BL4/25 REPREP BNA H2O 100%/2ML
Conds.: ST
Formula: AUTO INJ Instrument: 4500 Weight: 0.000
Submitted by: RMAL Analyst: MK Acct. No.: 59436

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

No	Name			
51	C595	4-NITROANALINE	138 S3#150	100-01-6
52	C610	4,6-DINITRO-2-METHYLPH	198 S4# 10	534-52-1
53	C615	N-NITROSODIPHENYLAMINE	169 S4# 15CC	87-30-6
54	CS55	2,4,6-TRIBROMOPHENOL	330SS3# 02	118-79-6
55	C625	4-BROMOPHENYL-PHENYLET	248 S4# 30	101-55-3
56	C630	HEXACHLOROBENZENE	284 S4# 40	118-74-1
57	CI70	CHRYSENE-D12	240IS5# 01	1719-03-5
58	C635	PENTACHLOROPHENOL	266 S4# 50	87-86-5
59	C640	PHENANTHRENE	178 S4# 65	85-01-8
60	C645	ANTHRACENE	178 S4# 70	120-12-7
61	C650	DI-N-BUTYLPHTHALATE	149 S4# 85	84-74-2
62	C655	FLUORANTHENE	202 S4#110CC	206-44-0
63	CI75	PERYLENE-D12	164IS6# 01	1520-96-3
64	C715	PYRENE	202 S5# 15	129-00-0
65	CS30	TERPHENYL-D14	244SS5# 02	1718-51-0
66	C720	BUTYLBENZYLPHTHALATE	149 S5# 40	85-68-7
67	C725	3,3'-DICHLOROBENZIDINE	252 S5# 55	91-94-1
68	C730	BENZO(A)ANTHRACENE	228 S5# 50	56-55-3
69	C740	CHRYSENE	228 S5# 60	218-01-9
70	C745	BIS(2-ETHYLHEXYL)PHTHA	149 S5# 65	117-81-7
71	C760	DI-N-OCTYL PHTHALATE	149 S6# 10CC	117-84-0
72	C765	BENZO(B)FLUORANTHENE	252 S6# 15	205-99-2
73	C770	BENZO(K)FLUORANTHENE	252 S6# 25	207-08-9
74	C775	BENZO(A)PYRENE	252 S6# 35	50-32-8
75	C780	INDENO(1,2,3-CD)PYRENE	276 S6# 55	193-39-5
76	C785	DIBENZ(A,H)ANTHRACENE	278 S6# 60	53-70-3
77	C790	BENZO(G,H,I)PERYLENE	276 S6# 65	191-24-2

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount	%Tot
51	NOT FOUND								
52	NOT FOUND								
53	169	1450	18:07	34	0.898	A BB	472.	0.469 UG/ML	0.09
54	330	1476	18:27	9	1.126	A BB	14782.	83.316 UG/ML	15.83
55	NOT FOUND								
56	NOT FOUND								
57	240	2169	27:07	57	1.000	A BB	41700.	40.000 UG/ML	7.60
58	NOT FOUND								
59	178	1619	20:14	34	1.003	A BB	82.	0.045 UG/ML	0.01
60	NOT FOUND								
61	149	1752	21:54	34	1.086	A BB	336.	0.143 UG/ML	0.03
62	NOT FOUND								
63	264	2450	30:37	63	1.000	A BB	32815.	40.000 UG/ML	7.60
64	202	1915	23:56	57	0.883	A BB	103.	0.066 UG/ML	0.01
65	244	1951	24:23	57	0.899	A BB	51612.	44.964 UG/ML	8.54
66	149	2061	25:46	57	0.950	A BB	93.	0.110 UG/ML	0.02

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount	%Tot
67	NOT FOUND								
68	228	2167	27:05	57	0.999	A BB	166.	0.125 UG/ML	0.02
69	NOT FOUND								
70	149	2187	27:20	57	1.008	A BB	1109.	0.933 UG/ML	0.18
71	149	2309	28:52	63	0.942	A BB	77.	0.039 UG/ML	0.01
72	NOT FOUND								
73	NOT FOUND								
74	NOT FOUND								
75	NOT FOUND								
76	NOT FOUND								
77	NOT FOUND								

No	Ret(L)	Ratio	RRT(L)	Ratio	Amnt	Amnt(L)	R.Fac	R.Fac(L)	Ratio
51	17:58		1.095						
52	18:05		0.895						
53	18:09	1.00	0.899	1.00	0.47	50.00	0.006	0.618	0.01
54	18:28	1.00	1.125	1.00	83.32	100.00	0.126	0.151	0.83
55	19:04		0.944						
56	19:25		0.962						
57	27:07	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
58	19:53		0.985						
59	20:16	1.00	1.003	1.00	0.04	50.00	0.001	1.125	0.00
60	20:22		1.009						
61	21:55	1.00	1.085	1.00	0.14	50.00	0.004	1.440	0.00
62	23:21		1.156						
63	30:37	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
64	23:55	1.00	0.882	1.00	0.07	50.00	0.002	1.489	0.00
65	24:23	1.00	0.899	1.00	44.96	50.00	0.990	1.101	0.90
66	25:46	1.00	0.950	1.00	0.11	50.00	0.002	0.811	0.00
67	27:04		0.998						
68	27:04	1.00	0.998	1.00	0.13	50.00	0.003	1.271	0.00
69	27:12		1.003						
70	27:20	1.00	1.008	1.00	0.93	50.00	0.021	1.140	0.02
71	28:52	1.00	0.943	1.00	0.04	50.00	0.002	2.413	0.00
72	29:45		0.971						
73	29:49		0.974						
74	30:30		0.996						
75	33:34		1.096						
76	33:37		1.098						
77	34:25		1.124						

TCA FINISHED, 15 FOUND
FINISHED AT: 6/02/88 20:04:58

02935

RMAL QUANTITATION SUMMARY FILE: S59436R982
COMPOUNDS WITH AMOUNTS LESS THAN 1.00 REPORTED AS NOT FOUND

UNITS: UG/ML

NO	LIBRARY ENTRY	NAME	MASS	SCAN	REF	AREA	RRF	AMOUNT
1	S1# 1	CI30 1,4-DICHLOROBENZENE	152	716	1	26152.	1.000	40.000
2	S2# 1	CI40 NAPHTHALENE-D8	136	954	2	101009.	1.000	40.000
3	S3# 1	CI50 ACENAPHTHENE-D10	164	1311	3	46956.	1.000	40.000
4	S4# 1	CI60 PHENANTHRENE-D10	188	1614	4	65081.	1.000	40.000
5	S5# 1	CI70 CHRYSENE-D12	240	2169	5	41700.	1.000	40.000
6	S6# 1	CI75 PERYLENE-D12	264	2450	6	32815.	1.000	40.000
7	S2# 2	CS20 NITROBENZENE-D5	82	821	2	35438.	0.281	31.302
8	S3# 3	CS25 2-FLUOROBIPHENYL	172	1176	3	47552.	0.810	28.669
9	S5# 2	CS30 TERPHENYL-D14	244	1951	5	51612.	0.990	44.964
10	S1# 3	CS45 PHENOL-D5	99	663	1	51297.	0.785	38.506
11	S1# 2	CS50 2-FLUOROPHENOL	112	517	1	54753.	0.837	57.084
12	S3# 2	CS55 2,4,6-TRIBROMOPHENO	330	1476	3	14782.	0.126	83.316
13	S1#105	C315 PHENOL	94		1	NOT FOUND		
14	S1#110	C325 BIS(2-CHLOROETHYL)E	93		1	NOT FOUND		
15	S1#115	C330 2-CHLOROPHENOL	128		1	NOT FOUND		
16	S1#125	C335 1,3-DICHLOROBENZENE	146		1	NOT FOUND		
17	S1#130	C340 1,4-DICHLOROBENZENE	146		1	NOT FOUND		
18	S1#145	C345 BENZYL ALCOHOL	108		1	NOT FOUND		
19	S1#150	C350 1,2-DICHLOROBENZENE	146		1	NOT FOUND		
20	S1#160	C355 2-METHYLPHENOL	108		1	NOT FOUND		
21	S1#165	C360 BIS(2-CHLOROISOPROP	45		1	NOT FOUND		
22	S1#185	C365 4-METHYLPHENOL	108		1	NOT FOUND		
23	S1#190	C370 N-NITROSO-DI-N-PROP	70		1	NOT FOUND		
24	S1#200	C375 HEXACHLOROETHANE	117		1	NOT FOUND		
25	S2# 10	C410 NITROBENZENE	77		2	NOT FOUND		
26	S2# 20	C415 ISOPHORONE	82		2	NOT FOUND		
27	S2# 25	C420 2-NITROPHENOL	139		2	NOT FOUND		
28	S2# 30	C425 2,4-DIMETHYLPHENOL	107		2	NOT FOUND		
29	S2# 35	C435 BIS(2-CHLOROETHOXY)	93		2	NOT FOUND		
30	S2# 40	C440 2,4-DICHLOROPHENOL	162		2	NOT FOUND		
31	S2# 45	C430 BENZOIC ACID	122		2	NOT FOUND		
32	S2# 55	C445 1,2,4-TRICHLOROBENZ	180		2	NOT FOUND		
33	S2# 60	C450 NAPHTHALENE	128		2	NOT FOUND		
34	S2# 80	C455 4-CHLOROANALINE	127		2	NOT FOUND		
35	S2# 95	C460 HEXACHLOROBUTADIENE	225		2	NOT FOUND		
36	S2#130	C465 4-CHLORO-3-METHYLPH	107		2	NOT FOUND		
37	S2#145	C470 2-METHYLNAPHTHALENE	142		2	NOT FOUND		
38	S3# 20	C510 HEXACHLOROCYCLOPENT	237		3	NOT FOUND		
39	S3# 25	C515 2,4,6-TRICHLOROPHEN	196		3	NOT FOUND		
40	S3# 30	C520 2,4,5-TRICHLOROPHEN	196		3	NOT FOUND		
41	S3# 40	C525 2-CHLORONAPHTHALENE	162		3	NOT FOUND		
42	S3# 45	C530 2-NITROANALINE	65		3	NOT FOUND		
43	S3# 55	C535 DIMETHYLPHTHALATE	163		3	NOT FOUND		
44	S3# 65	C540 ACENAPHTHYLENE	152		3	NOT FOUND		
45	S3# 70	C543 2,6-DINITROTOLUENE	165		3	NOT FOUND		
46	S3# 75	C545 3-NITROANILINE	138		3	NOT FOUND		
47	S3# 80	C550 ACENAPHTHENE	153		3	NOT FOUND		
48	S3# 85	C555 2,4-DINITROPHENOL	184		3	NOT FOUND		
49	S3# 90	C565 DIBENZOFURAN	168		3	NOT FOUND		
50	S3# 95	C560 4-NITROPHENOL	109		3	NOT FOUND		

C2936

52	S3#130	C580	DIETHYLPHTHALATE	149	3	NOT FOUND
53	S3#135	C590	FLUORENE	166	3	NOT FOUND
54	S3#140	C585	4-CHLOROPHENYL-PHEN	204	3	NOT FOUND
55	S3#150	C595	4-NITROANALINE	138	3	NOT FOUND
56	S4# 10	C610	4,6-DINITRO-2-METHY	198	4	NOT FOUND
57	S4# 15	C615	N-NITROSODIPHENYLAM	169	4	NOT FOUND
58	S4# 30	C625	4-BROMOPHENYL-PHENY	248	4	NOT FOUND
59	S4# 40	C630	HEXACHLOROBENZENE	284	4	NOT FOUND
60	S4# 50	C635	PENTACHLOROPHENOL	266	4	NOT FOUND
61	S4# 65	C640	PHENANTHRENE	178	4	NOT FOUND
62	S4# 70	C645	ANTHRACENE	178	4	NOT FOUND
63	S4# 85	C650	DI-N-BUTYLPHTHALATE	149	4	NOT FOUND
64	S4#110	C655	FLUORANTHENE	202	4	NOT FOUND
65	S5# 15	C715	PYRENE	202	5	NOT FOUND
66	S5# 40	C720	BUTYLBENZYLPHTHALAT	149	5	NOT FOUND
67	S5# 50	C730	BENZO(A)ANTHRACENE	228	5	NOT FOUND
68	S5# 55	C725	3,3'-DICHLOROBENZID	252	5	NOT FOUND
69	S5# 60	C740	CHRYSENE	228	5	NOT FOUND
70	S5# 65	C745	BIS(2-ETHYLHEXYL)PH	149	5	NOT FOUND
71	S6# 10	C760	DI-N-OCTYL PHTHALAT	149	6	NOT FOUND
72	S6# 15	C765	BENZO(B)FLUORANTHEN	252	6	NOT FOUND
73	S6# 25	C770	BENZO(K)FLUORANTHEN	252	6	NOT FOUND
74	S6# 35	C775	BENZO(A)PYRENE	252	6	NOT FOUND
75	S6# 55	C780	INDENO(1,2,3-CD)PYR	276	6	NOT FOUND
76	S6# 60	C785	DIBENZ(A,H)ANTHRACE	278	6	NOT FOUND
77	S6# 65	C790	BENZO(G,H,I)PERYLEN	276	6	NOT FOUND

DATA REDUCED BY: AR DATE: 6-7-88 DATA FILE: S59436R982
DATA REVIEWED BY: ____ DATE: ____

02937

ENSECO TIC REPORT (PAGE 1)

SAMPLE: 59436-BL4/25 REPREP BNA H2O 10 RUN FACTOR: 1.00
CONDITIONS: ST ANALYST: MK

#	SCAN	Q	C	CONCENTRATION IN SAMPLE (UG/ML)	CAS #	COMPOUND
1	316		2	7.7	108-87-2	CYCLOHEXANE, METHYL-
2	371		2	4.9	108-88-3	BENZENE, METHYL- VOA
3	469	C	1	11.	00-00-0	OXYGENATED HYDROCARBON

editing complete

DATA FILE: S59436R982

ENSECO TIC REPORT (PAGE 2)

CONCENTRATION = AREA(TIC)*CONC(IS)/AREA(IS)

#	FIT	PURITY	INT. STD.	RT	RRT	AREA	HEIGHT	AMOUNT AS ANALYZED (UG/ML)	LIB	LIB #
1	998	881	1	3:56	0.446	33615.	12101.	7.710	NB	1138.
2	993	939	1	4:38	0.523	21363.	8224.	4.900	NB	850.
3	817	775	1	5:51	0.660	48090.	17569.	11.029	BC	2.

TIC SELECTION REPORT

DATA FILE: S59436R982

THE FOLLOWING PEAKS WERE REJECTED BECAUSE AT LEAST 50 % OF THEIR SIZE WAS ACCOUNTED FOR BY TARGET COMPOUNDS ELUTING WITHIN 3 SCANS OF THE PEAK TOP.

SCAN	SIZE	AMOUNT
338	67423.	15.463
517	199437.	45.740
663	142891.	32.771
716	174409.	39.999
821	100326.	23.009
954	218186.	39.999
1176	143429.	26.294
1311	232046.	49.326
1615	188171.	39.999
1951	150466.	31.984
2169	129263.	46.341
2450	111575.	39.999

TOTAL NUMBER OF UNIDENTIFIED PEAKS WITH SIZE GREATER THAN 10 % OF THE CLOSEST INTERNAL STANDARD (WITHOUT INTERFERENCES) = 4

INTERNAL STANDARD DATA IS LISTED BELOW. IS FOR WHICH RIC SIZE DIFFERS FROM THE ESTIMATED RIC SIZE BY MORE THAN 60 % ARE CONSIDERED TO HAVE INTERFERENCES, AND ARE NOT USED FOR QUANTITATION.

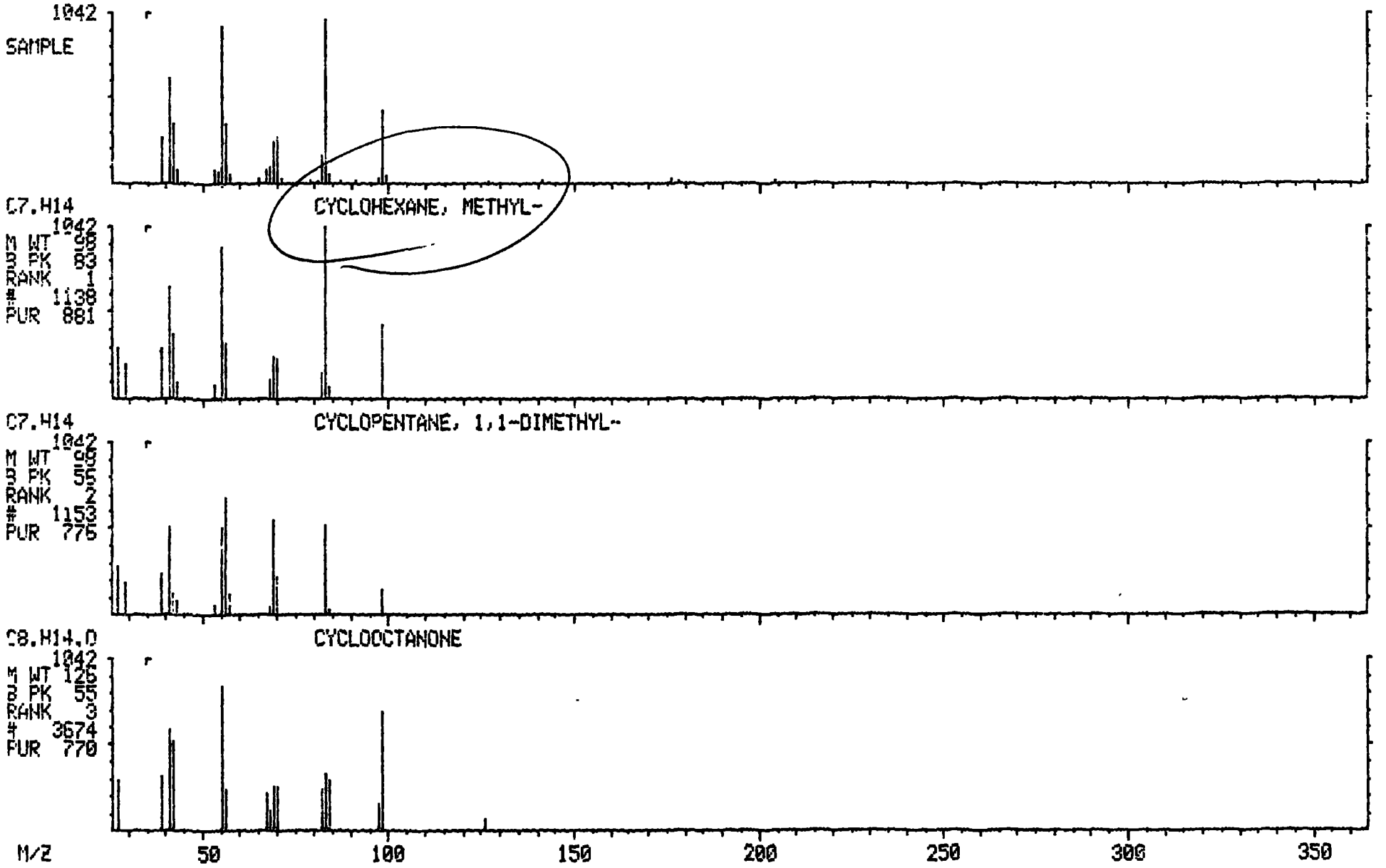
#	LIB	LIB#	RIC SIZE	ESTIMATED RIC SIZE	INTERFERENCE
1	S1	1	174409.	159961.	
2	S2	1	218186.	148771.	
3	S3	1	232046.	117686.	*
4	S4	1	188171.	125133.	
5	S5	1	129263.	80222.	*
6	S6	1	111575.	87856.	

SIZE = AREA

02940

LIBRARY SEARCH
06/02/88 14:31:00 + 3:57
SAMPLE: 53436-BL4/25 REPREP BNA H2O 100%/2ML
CONDS.: ST
ENHANCED (S 15B 2N 0T)

DATA: S5943SR382 # 316 BPSE M/Z: 83
CALI: 060288CR # 5 RIC: 10191.

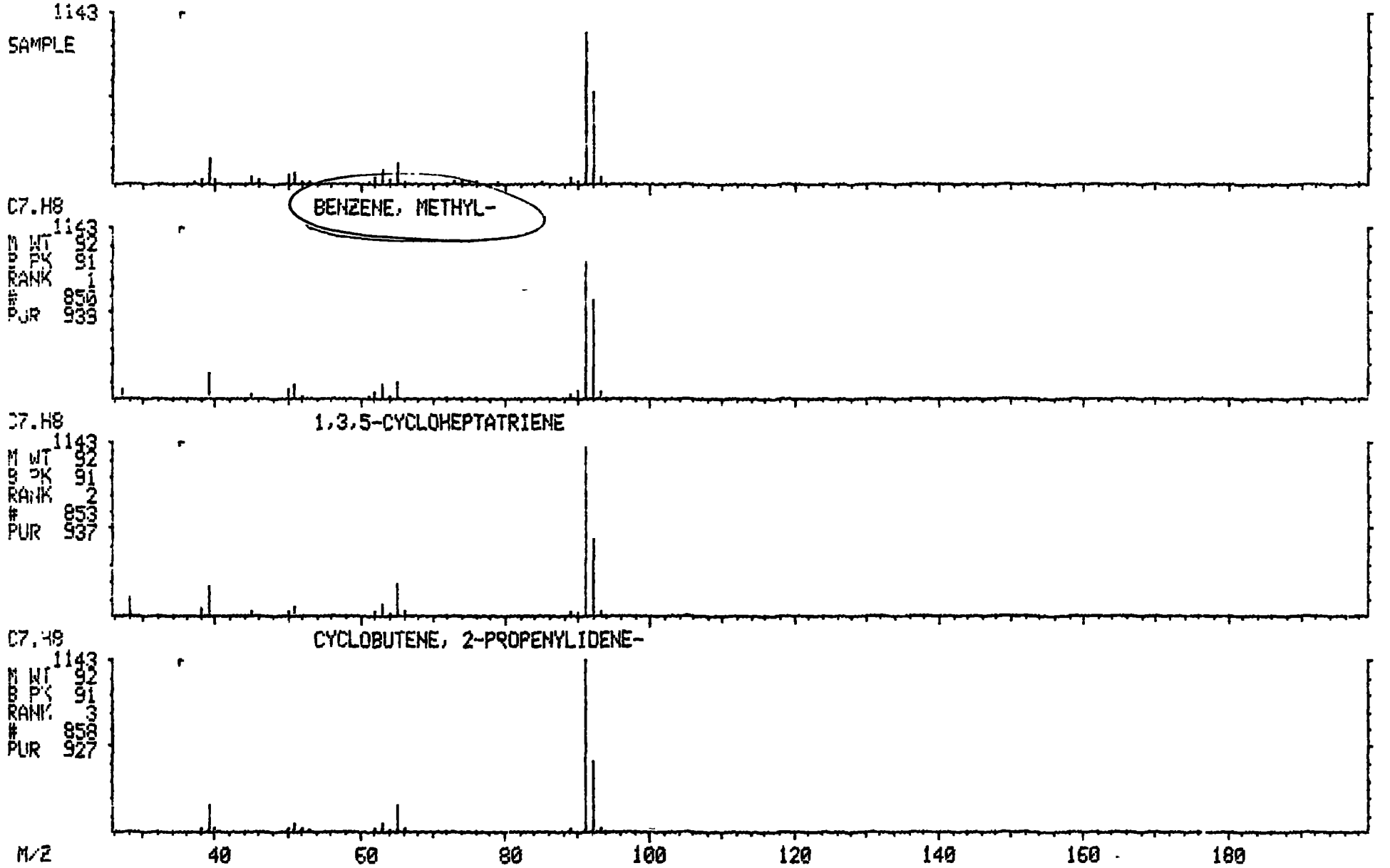


02941

LIBRARY SEARCH
06/02/88 14:31:00 + 4:38
SAMPLE: 59435-BL4/25 REPREP BNA H2O 100%/2ML
CONDS.: ST
ENHANCED (S 158 2N 0T)

DATA: 5594365982 # 371
CALI: 060288CR # 5

BASE M/Z: 91
RIC: 7207.

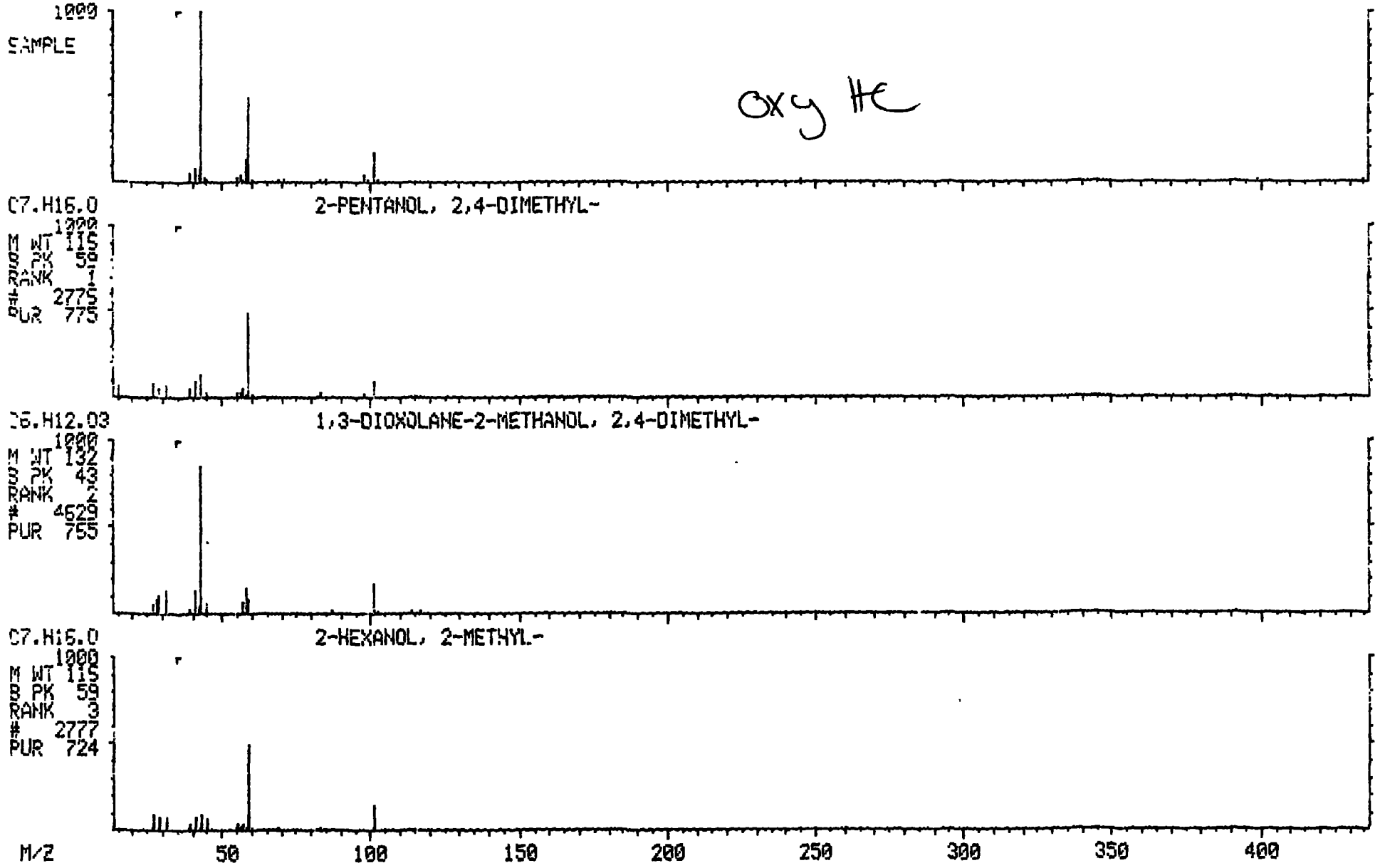


02942

LIBRARY SEARCH
06/02/88 14:31:00 + 5:52
SAMPLE: 59436-B'_4/25 REPREP BNA H2O 100%/2ML
CONDS.: ST
ENHANCED (S 15B 2N 0T)

DATA: 559436R382 # 459
CALI: 060288CR # 5

BASE M/Z: 43
RIC: 14351.



02943

PROCEDURE. TCA DIAGNOSTIC REPORT 6/03/88 18:31:51
DATA FILE: S59436R982
REFERENCE: 11TABLE
NAME LIST: LLNL INITIALIZATION OPTION: 2 PROCESSING OPTION: 3
REPORT: IS01

< -- STANDARDS -----				>< --- PLUS UNKNOWNS ---				>< - LIST NAMES - >
PROC	USED	POSS	RMS	PROC	USED	POSS	RMS	STANDARD/UNKNOWN
1	1	2	0	13	2	1	0	IS01/TC01
3	3	1	49	14	3	1	49	IS02/TC02

26 COMPOUNDS PROCESSED, 4 FOUND

< COMPOUND			>< ---------- SEARCH					---------- >< SAT		>< ------ CHRO			------- >
NO	LIB	ENTRY	REF	PRED	SEL	DELTA	PEAKS	FIT	PEAKS	M/Z	TOP	DELTA	PEAKS
1	S1	1	-714	716	716	.	2	977	.	152	716	.	1
2	S1	4	-332	338	338	.	1	976	.	84	338	.	1
3	S1	20	-334	340	.	.	.	.	.	79	.	.	.
4	S1	30	-429	434	.	.	.	.	.	93	.	.	.
5	S1	62	-494	498	.	.	.	.	.	93	.	.	.
6	S1	64	-525	529	.	.	.	.	.	107	.	.	.
7	S1	73	-556	560	.	.	.	.	.	106	.	.	.
8	S1	83	-593	596	.	.	.	.	.	107	.	.	.
9	S1	87	-613	616	.	.	.	.	.	107	.	.	.
10	S1	88	-634	637	.	.	.	.	.	107	.	.	.
11	S1	89	-642	645	.	.	.	.	.	107	.	.	.
12	S1	92	-661	664	.	.	.	.	.	107	.	.	.
13	S1	122	-699	701	.	.	.	.	.	107	.	.	.
14	S2	1	-953	954	954	.	1	994	.	136	954	.	1
15	S3	1	-1310	1311	1311	.	1	991	.	164	1311	.	1
16	S1	137	-730	732	.	.	.	.	.	106	.	.	.
17	S1	142	-743	745	.	.	.	.	.	106	.	.	.
18	S1	187	-797	799	.	.	.	.	.	108	.	.	.
19	S1	202	-821	823	.	.	.	.	.	106	.	.	.
20	S1	203	-826	828	.	.	.	.	.	106	.	.	.
21	S1	204	-846	848	.	.	.	.	.	122	.	.	.
22	S2	27	-897	898	.	.	.	.	.	107	.	.	.
23	S2	37	-921	922	.	.	.	.	.	107	.	.	.
24	S2	47	-935	936	.	.	.	.	.	107	.	.	.
25	S2	57	-954	955	.	.	.	.	.	107	954	.	1
26	S2	150	-1117	1118	.	.	.	.	.	142	.	.	.

Quantitation Report File: S59436R982

Data: S59436R982.TI
06/02/88 14:31:00
Sample: 59436-BL4/25 REPREP BNA H2O 100%/2ML
Conds.: ST
Formula: AUTO INJ Instrument: 4500 Weight: 0.000
Submitted by: RMAL Analyst: MK Acct. No.: 59436

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

No	Name			
1	CI30 1,4-DICHLOROBENZENE-D4	152	IS1# 01	3855-82-1
2	PYRIDINE-D5	84	S1# 04	
3	PYRIDINE	79	S1# 20	110-86-1
4	2-PICOLINE	93	S1# 30	109-06-8
5	3 & 4-PICOLINE	93	S1# 62	
6	2,6-LUTIDINE	107	S1# 64	
7	2-ETHYL PYRIDINE	106	S1# 73	
8	2,4 & 2,5-LUTIDINE	107	S1# 83	
9	2,3-LUTIDINE	107	S1# 87	
10	3-ETHYL PYRIDINE	107	S1# 88	
11	4-ETHYL PYRIDINE	107	S1# 89	
12	3,5-LUTIDINE	107	S1# 92	
13	3,4-LUTIDINE	107	S1#122	
14	CI40 NAPHTHALENE-D8	136	IS2# 01	1146-65-2
15	CI50 ACENAPHTHENE-D10	164	IS3# 01	15067-26-2
16	2-METHYL-5-ETHYL PYRIDINE	106	S1#137	
17	2-METHYL-3-ETHYL PYRIDINE	106	S1#142	
18	M AND P CRESOLS	108	S2#187	
19	3-ETHYL-4-METHYL PYRIDINE	106	S1#202	
20	3-ETHYL-5-METHYL PYRIDINE	106	S1#203	
21	2,6-DIMETHYL PHENOL	122	S1#204	
22	2,5-DIMETHYL PHENOL	107	S2# 27	
23	3,5-DIMETHYL PHENOL	107	S2# 37	
24	2,3-DIMETHYL PHENOL	107	S2# 47	
25	3,4-DIMETHYL PHENOL	107	S2# 57	
26	1-METHYLNAPHTHALENE	142	S2#150	90-12-0

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount	%Tot
1	152	716	8:57	1	1.000	A BV	26152.	40.000 UG/ML	28.62
2	84	338	4:13	1	0.472	A BB	24425.	19.341 UG/ML	13.84
3	NOT FOUND								
4	NOT FOUND								
5	NOT FOUND								
6	NOT FOUND								
7	NOT FOUND								
8	NOT FOUND								
9	NOT FOUND								
10	NOT FOUND								
11	NOT FOUND								
12	NOT FOUND								
13	NOT FOUND								
14	136	954	11:55	14	1.000	A BB	101009.	40.000 UG/ML	28.62
15	164	1311	16:23	15	1.000	A BB	46956	40.000 UG/ML	28.62
16	NOT FOUND								
17	NOT FOUND								

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount	%Tot
18	NOT FOUND								
19	NOT FOUND								
20	NOT FOUND								
21	NOT FOUND								
22	NOT FOUND								
23	NOT FOUND								
24	NOT FOUND								
25	107	954	11:55	1	1.332	A BB	510.	0.432 UG/ML	0.31
26	NOT FOUND								

No	Ret(L)	Ratio	RRT(L)	Ratio	Amnt	Amnt(L)	R.Fac	R.Fac(L)	Ratio
1	8:56	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
2	4:09	1.02	0.464	1.02	19.34	50.00	0.747	1.932	0.39
3	4:10		0.467						
4	5:22		0.600						
5	6:10		0.691						
6	6:34		0.734						
7	6:57		0.778						
8	7:25		0.829						
9	7:40		0.857						
10	7:55		0.887						
11	8:01		0.898						
12	8:16		0.924						
13	8:44		0.978						
14	11:55	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
15	16:23	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
16	9:07		1.021						
17	9:17		1.039						
18	9:58		1.115						
19	10:16		1.148						
20	10:19		1.155						
21	10:34		1.183						
22	11:13		0.940						
23	11:31		0.965						
24	11:41		0.980						
25	11:55	1.00	1.334	1.00	0.43	50.00	0.016	1.806	0.01
26	13:58		1.171						

02946

RF 2.00
SV 2.00

TCA FINISHED, 4 FOUND
FINISHED AT 6/03/88 18:34:34

RMAL QUANTITATION SUMMARY FILE: S59436R982
COMPOUNDS WITH AMOUNTS LESS THAN 1.00 REPORTED AS NOT FOUND

UNITS: UG/ML

NO	LIBRARY ENTRY	NAME	MASS	SCAN	REF	AREA	RRF	AMOUNT
1	S1# 1	CI30 1,4-DICHLOROBENZENE	152	716	1	26152.	1.000	40.000
2	S2# 1	CI40 NAPHTHALENE-D8	136	954	2	101009.	1.000	40.000
3	S3# 1	CI50 ACENAPHTHENE-D10	164	1311	3	46956.	1.000	40.000
4	S1# 4	PYRIDINE-D5	84	338	1	24425.	0.747	19.341
5	S1# 20	PYRIDINE	79		1	NOT FOUND		
6	S1# 30	2-PICOLINE	93		1	NOT FOUND		
7	S1# 62	3 & 4-PICOLINE	93		1	NOT FOUND		
8	S1# 64	2,6-LUTIDINE	107		1	NOT FOUND		
9	S1# 73	2-ETHYL PYRIDINE	106		1	NOT FOUND		
10	S1# 83	2,4 & 2,5-LUTIDINE	107		1	NOT FOUND		
11	S1# 87	2,3-LUTIDINE	107		1	NOT FOUND		
12	S1# 88	3-ETHYL PYRIDINE	107		1	NOT FOUND		
13	S1# 89	4-ETHYL PYRIDINE	107		1	NOT FOUND		
14	S1# 92	3,5-LUTIDINE	107		1	NOT FOUND		
15	S1#122	3,4-LUTIDINE	107		1	NOT FOUND		
16	S1#137	2-METHYL-5-ETHYL PYRIDIN	106		1	NOT FOUND		
17	S1#142	2-METHYL-3-ETHYL PYRIDIN	106		1	NOT FOUND		
18	S1#187	M AND P CRESOLS	108		1	NOT FOUND		
19	S1#202	3-ETHYL-4-METHYL PYRIDIN	106		1	NOT FOUND		
20	S1#203	3-ETHYL-5-METHYL PYRIDIN	106		1	NOT FOUND		
21	S1#204	2,6-DIMETHYL PHENOL	122		1	NOT FOUND		
22	S2# 27	2,5-DIMETHYL PHENOL	107		2	NOT FOUND		
23	S2# 37	3,5-DIMETHYL PHENOL	107		2	NOT FOUND		
24	S2# 47	2,3-DIMETHYL PHENOL	107		2	NOT FOUND		
25	S2# 57	3,4-DIMETHYL PHENOL	107		1	NOT FOUND		
26	S2#150	1-METHYLNAPHTHALENE	142		2	NOT FOUND		

59436-B1 4/23/80
20%

MB-1

OCP SCS: 1.0 ug/ml (1.0ml/10.0ml) = 0.1 ug/ml @ 20% = 0.02 ug/ml = EMA

02947

DBC

A) $\frac{23.0}{24.0}(100) = 96\%$

B) $\frac{19.5}{22.0}(100) = 89\%$

DBC Recovery = 89%
NO HSL Pesticides/PCBs

59436-B1

02948

5-9436-B1

02949

02950

[illegible]

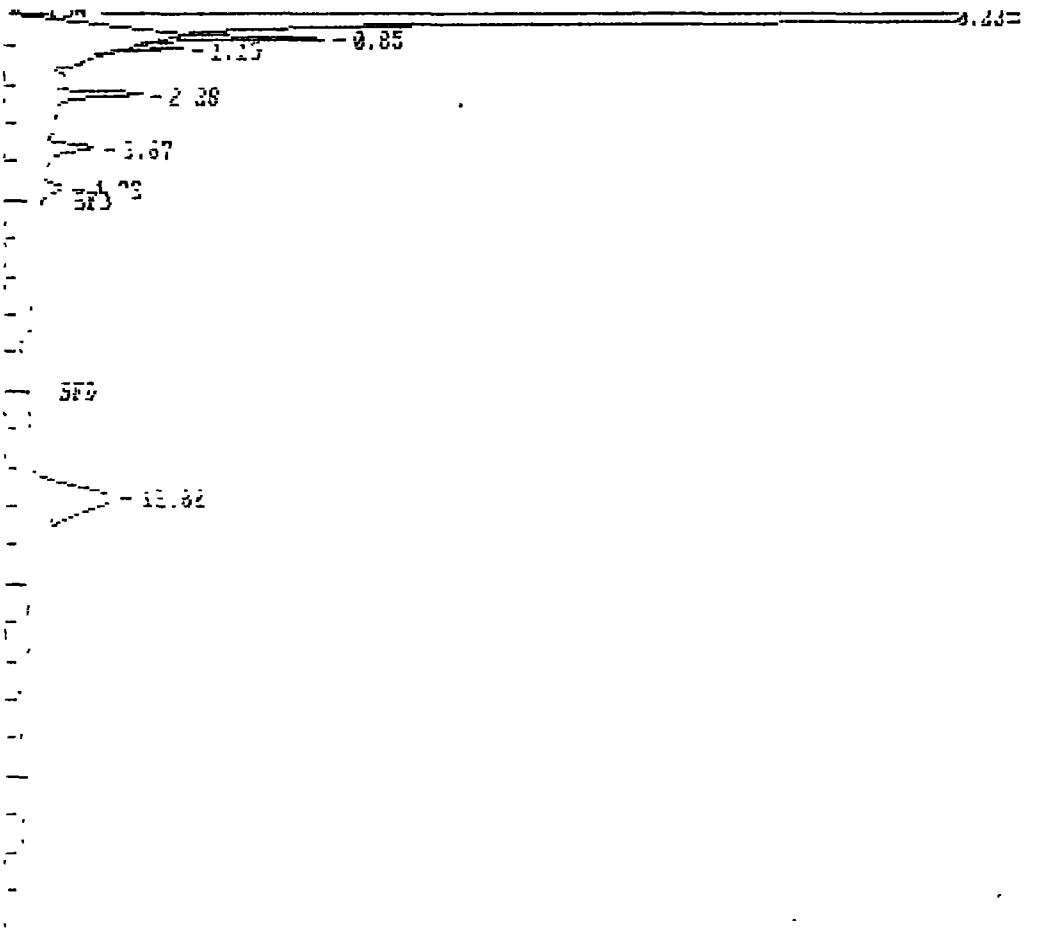
Standing Data: [illegible]

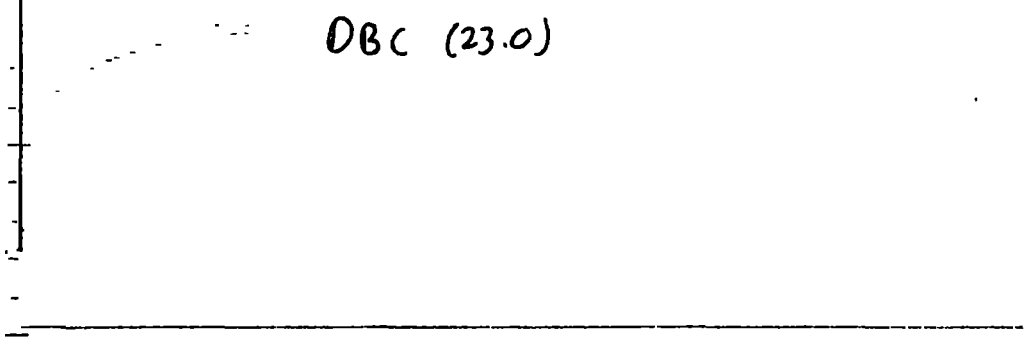
No.	Ret. Time	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
1	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
2	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
3	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
4	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
5	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
6	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
7	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
8	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

SS
5/11/88

Total Areas: [illegible] Area Reject: [illegible] One sample per [illegible]

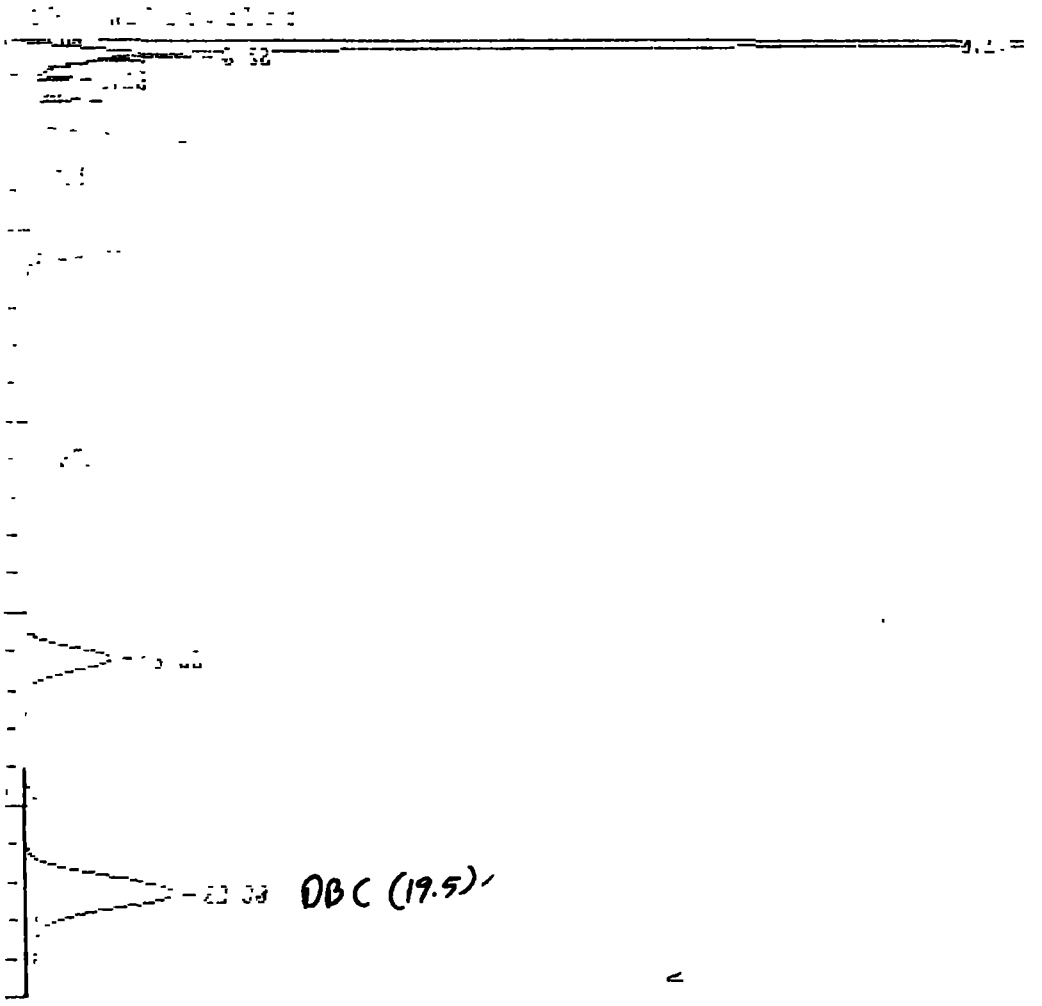
Data File = [illegible] Printed on [illegible] at [illegible]
Start time: 0.00 min. Stop time: 35.00 min. Offset: 0 mi.
Full Range: [illegible] millivolts




DBC (23.0)

02952

SS
5/11/88



PROCEDURE: TCA DIAGNOSTIC REPORT 6/02/88 12:55:39
DATA FILE: STDU539
REFERENCE: 11TABLE
NAME LIST: LLNL INITIALIZATION OPTION: 2 PROCESSING OPTION: 3 00752
REPORT: ISO1

< STANDARDS				>< PLUS UNKNOWNS				>< - LIST NAMES - >
PROC	USED	POSS	RMS	PROC	USED	POSS	RMS	STANDARD/UNKNOWN
1	1	1	0	13	13	24	47	ISO1/TCO1
3	3	1	0	14	14	24	98	ISO2/TCO2

26 COMPOUNDS PROCESSED. 26 FOUND

< COMPOUND		>< SEARCH						>< SAT	>< CHRO				>
NO	LIB	ENTRY	REF	PRED	SEL	DELTA	PEAKS	FIT	PEAKS	M/Z	TOP	DELTA	PEAKS
1	S1	1	-681	683	683	.	1	983	.	152	682	-1	1
2	S1	4	-300	299	299	.	1	994	.	84	299	.	1
3	S1	20	-302	301	301	.	1	994	.	79	301	.	1
4	S1	30	-398	397	397	.	1	990	.	93	397	.	1
5	S1	62	-464	464	463	-1	1	987	.	93	463	.	1
6	S1	64	-495	495	495	.	1	993	.	107	495	.	1
7	S1	73	-525	525	526	1	1	989	.	106	526	.	1
8	S1	83	-562	563	562	-1	1	993	.	107	562	.	1
9	S1	87	-582	583	583	.	1	987	.	107	583	.	1
10	S1	88	-603	604	604	.	2	990	.	107	604	.	1
11	S1	89	-611	612	612	.	2	979	.	107	612	.	1
12	S1	92	-630	631	631	.	2	991	.	107	631	.	1
13	S1	122	-667	668	668	.	3	988	.	107	668	.	1
14	S2	1	-916	918	918	.	1	993	.	136	918	.	1
15	S3	1	-1269	1271	1271	.	1	994	.	164	1271	.	1
16	S1	137	-697	699	698	-1	2	993	.	106	698	.	1
17	S1	142	-711	713	712	-1	3	988	.	106	712	.	1
18	S1	187	-765	767	768	1	1	922	.	108	768	.	1
19	S1	203	-792	794	796	2	2	988	.	106	796	.	1
20	S1	202	-792	794	796	2	2	988	.	106	796	.	1
21	S1	204	-812	814	814	.	1	992	.	122	814	.	1
22	S2	27	-864	866	866	.	1	996	.	107	866	.	1
23	S2	37	-888	890	891	1	1	990	.	107	891	.	1
24	S2	47	-901	903	904	1	1	989	.	107	904	.	1
25	S2	57	-920	922	923	1	1	989	.	107	923	.	1
26	S2	150	-1079	1081	1081	.	1	984	.	142	1081	.	1

Quantitation Report File: STDU539

C0753

Data: STDU539.TI
06/01/88 21:33:00
S le: 160 PPM PYRIDINES STD
C ds.:
Formula: Instrument: 4500 Weight: 0.000
Submitted by: RMAL Analyst: MD Acct. No.:

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

No	Name		
1	CI30 1,4-DICHLOROBENZENE-D4	152IS1# 01	3855-82-1
2	PYRIDINE-D5	84 S1# 04	
3	PYRIDINE	79 S1# 20	110-86-1
4	2-PICOLINE	93 S1# 30	109-06-8
5	3 & 4-PICOLINE	93 S1# 62	
6	2,6-LUTIDINE	107 S1# 64	
7	2-ETHYL PYRIDINE	106 S1# 73	
8	2,4 & 2,5-LUTIDINE	107 S1# 83	
9	2,3-LUTIDINE	107 S1# 87	
10	3-ETHYL PYRIDINE	107 S1# 88	
11	4-ETHYL PYRIDINE	107 S1# 89	
12	3,5-LUTIDINE	107 S1# 92	
13	3,4-LUTIDINE	107 S1#122	
14	CI40 NAPHTHALENE-D8	136IS2# 01	1146-65-2
15	CI50 ACENAPHTHENE-D10	164IS3# 01	15067-26-2
16	2-METHYL-5-ETHYL PYRIDINE	106 S1#137	
17	2-METHYL-3-ETHYL PYRIDINE	106 S1#142	
18	M AND P CRESOLS	108 S2#187	
19	3-ETHYL-5-METHYL PYRIDINE	106 S1#203	
20	3-ETHYL-4-METHYL PYRIDINE	106 S1#202	
21	2,6-DIMETHYL PHENOL	122 S1#204	
22	2,5-DIMETHYL PHENOL	107 S2# 27	
23	3,5-DIMETHYL PHENOL	107 S2# 37	
24	2,3-DIMETHYL PHENOL	107 S2# 47	
25	3,4-DIMETHYL PHENOL	107 S2# 57	
26	1-METHYLNAPHTHALENE	142 S2#150	90-12-0

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount		%Tot
1	152	682	8:31	1	1.000	A BB	9730.	40.000	UG/ML	0.98
2	84	299	3:44	1	0.438	A BV	68615.	173.945	UG/ML	4.26
3	79	301	3:46	1	0.441	A BB	71252.	181.003	UG/ML	4.43
4	93	397	4:58	1	0.582	A BB	63724.	171.626	UG/ML	4.20
5	93	463	5:47	1	0.679	A BB	59563.	182.912	UG/ML	4.48
6	107	495	6:11	1	0.726	A BB	80073.	178.774	UG/ML	4.37
7	106	526	6:34	1	0.771	A BV	92588.	178.721	UG/ML	4.37
8	107	562	7:01	1	0.824	A BB	61324.	183.443	UG/ML	4.49
9	107	583	7:17	1	0.855	A BB	70137.	182.128	UG/ML	4.46
10	107	604	7:33	1	0.886	A BV	48836.	165.414	UG/ML	4.05
11	107	612	7:39	1	0.897	A VB	50221.	207.646	UG/ML	5.08
12	107	631	7:53	1	0.925	A BB	57687.	196.867	UG/ML	4.82
13	107	668	8:21	1	0.979	A BV	39483.	121.477	UG/ML	2.97
14	136	918	11:28	14	1.000	A BB	33113.	40.000	UG/ML	0.98
15	164	1271	15:53	15	1.000	A BB	14208.	40.000	UG/ML	0.98
16	106	698	8:43	1	1.023	A BB	69746.	149.797	UG/ML	3.67
17	106	712	8:54	1	1.044	A VV	52263.	169.708	UG/ML	4.15

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount		%Tot
18	108	768	9:36	1	1.126	A BB	54104.	165.725	UG/ML	4.06
19	106	796	9:57	1	1.167	A BB	52259.	179.165	UG/ML	4.38
20	106	796	9:57	1	1.167	A BB	52259.	179.165	UG/ML	4.38
21	122	814	10:10	1	1.194	A BB	47690.	167.492	UG/ML	4.10
22	107	866	10:49	14	0.943	A BV	47632.	170.106	UG/ML	4.16
23	107	891	11:08	14	0.971	A BV	46085.	163.747	UG/ML	4.01
24	107	904	11:18	14	0.985	A VB	49754.	172.475	UG/ML	4.22
25	107	923	11:32	1	1.353	A BB	56559.	137.689	UG/ML	3.37
26	142	1081	13:31	14	1.178	A BB	102926.	187.536	UG/ML	4.59

No	Ret(L)	Ratio	RRT(L)	Ratio	Amnt	Amnt(L)	R.Fac	R.Fac(L)	Ratio
1	8:31	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
2	3:45	1.00	0.440	1.00	173.95	50.00	5.641	1.622	3.48
3	3:46	1.00	0.443	1.00	181.00	50,00	5.858	1.618	3.62
4	4:58	1.00	0.584	1.00	171.63	50.00	5.239	1.526	3.43
5	5:48	1.00	0.680	1.00	182.91	50.00	4.897	1.339	3.66
6	6:11	1.00	0.726	1.00	178.77	50.00	6.584	1.841	3.58
7	6:34	1.00	0.770	1.00	178.72	50.00	7.613	2.130	3.57
8	7:01	1.00	0.824	1.00	183.44	50.00	5.042	1.374	3.67
9	7:16	1.00	0.853	1.00	182.13	50.00	5.767	1.583	3.64
10	7:32	1.00	0.884	1.00	165.41	50.00	4.015	1.214	3.31
11	7:38	1.00	0.896	1.00	207.65	50.00	4.129	0.994	4.15
12	7:52	1.00	0.924	1.00	196.87	50.00	4.743	1.205	3.94
13	8:20	1.00	0.978	1.00	121.48	50.00	3.246	1.336	2.43
14	11:28	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
15	15:52	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
16	8:43	1.00	1.022	1.00	149.80	50.00	5.734	1.914	3.00
17	8:53	1.00	1.043	1.00	169.71	50.00	4.297	1.266	3.39
18	9:34	1.00	1.122	1.00	165.73	50.00	4.448	1.342	3.31
19	9:54	1.01	1.161	1.01	179.17	50.00	4.297	1.199	3.58
20	9:54	1.01	1.161	1.01	179.17	50.00	4.297	1.199	3.58
21	10:09	1.00	1.191	1.00	167.49	50.00	3.921	1.171	3.35
22	10:48	1.00	0.942	1.00	170.11	50.00	1.151	0.338	3.40
23	11:06	1.00	0.968	1.00	163.75	50.00	1.113	0.340	3.27
24	11:16	1.00	0.983	1.00	172.48	50.00	1.202	0.348	3.45
25	11:30	1.00	1.349	1.00	137.69	50.00	4.650	1.689	2.75
26	13:29	1.00	1.177	1.00	187.54	50.00	2.487	0.663	3.75

TCA FINISHED, 26 FOUND
FINISHED AT: 6/02/88 12:58:27

00755

RMAL QUANTITATION SUMMARY FILE: STDU539
COMPOUNDS WITH AMOUNTS LESS THAN 1.00 REPORTED AS NOT FOUND

UNITS: UG/ML

NO	LIBRARY ENTRY	NAME	MASS	SCAN	REF	AREA	RRF	AMOUNT
1	S1# 1	CI30 1,4-DICHLOROBENZENE	152	682	1	9730.	1.000	40.000
2	S2# 1	CI40 NAPHTHALENE-D8	136	918	2	33113.	1.000	40.000
3	S3# 1	CI50 ACENAPHTHENE-D10	164	1271	3	14208.	1.000	40.000
4	S1# 4	PYRIDINE-D5	84	299	1	68615.	5.641	173.945
5	S1# 20	PYRIDINE	79	301	1	71252.	5.858	181.003
6	S1# 30	2-PICOLINE	93	397	1	63724.	5.239	171.626
7	S1# 62	3 & 4-PICOLINE	93	463	1	59563.	4.897	182.912
8	S1# 64	2,6-LUTIDINE	107	495	1	80073.	6.584	178.774
9	S1# 73	2-ETHYL PYRIDINE	106	526	1	92588.	7.613	178.721
10	S1# 83	2,4 & 2,5-LUTIDINE	107	562	1	61324.	5.042	183.443
11	S1# 87	2,3-LUTIDINE	107	583	1	70137.	5.767	182.128
12	S1# 88	3-ETHYL PYRIDINE	107	604	1	48836.	4.015	165.414
13	S1# 89	4-ETHYL PYRIDINE	107	612	1	50221.	4.129	207.646
14	S1# 92	3,5-LUTIDINE	107	631	1	57687.	4.743	196.867
15	S1#122	3,4-LUTIDINE	107	668	1	39483.	3.246	121.477
16	S1#137	2-METHYL-5-ETHYL PYRIDIN	106	698	1	69746.	5.735	149.797
17	S1#142	2-METHYL-3-ETHYL PYRIDIN	106	712	1	52263.	4.297	169.708
18	S1#187	M AND P CRESOLS	108	768	1	54104.	4.448	165.725
19	S1#202	3-ETHYL-4-METHYL PYRIDIN	106	796	1	52259.	4.297	179.165
20	S1#203	3-ETHYL-5-METHYL PYRIDIN	106	796	1	52259.	4.297	179.165
21	S1#204	2,6-DIMETHYL PHENOL	122	814	1	47690.	3.921	167.492
22	S2# 27	2,5-DIMETHYL PHENOL	107	866	2	47632.	1.151	170.106
23	S2# 37	3,5-DIMETHYL PHENOL	107	891	2	46085.	1.113	163.748
24	S2# 47	2,3-DIMETHYL PHENOL	107	904	2	49754.	1.202	172.475
25	S2# 57	3,4-DIMETHYL PHENOL	107	923	1	56559.	4.650	137.689
26	S2#150	1-METHYLNAPHTHALENE	142	1081	2	102926.	2.487	187.536

RMAL-GC/MS REILLY TAR & CHEMICAL CO. PROJECT PROCESSING PROGRAM
DATAFILE: D:STDX742. STARTED : 10/21/87 11:26:06

OK

10/20/87 9:18:15 SCAN 1 OF 3800

00756

Acquisition started

Acquire Run 0:STDX742 ACQUIRING
10/20/87 9:18:00 + 0:03 Free sectors: 27939 Scan: 7 of 3800
Sample: 80 PPB PAH STD 10-19-87 MLB
Conds.: GC DESC ST
Formula: MID Instrument: 4500 Weight: 0.000
Submitted by: RMAL Analyst: DC Acct. No:

********** GC PARAMETERS **********
Loaded GC Desc:ST Current GC oven tmp: 29 DegC Injector : 265 DegC
Current GC Desc:ST GC elapsed time : 0: 3 min Int. oven : 250 DegC

Seq.#	Temp(C)	Rate(C/m)	Time(min)	Total time(min)		Open	Close
1	30 - 30	-	1.0	1.0	Sweep/Split	0.5	0.0
2	30 - 325	10.0	29.5	30.5	Divert	40.5	0.0
3	325 - 325	-	10.0	40.5			
4	325 - 325	-	0.0	40.5			

********** SCAN PARAMETERS **********
***** Mode: Centroid positive ion + R1 (Temp)

MID scan Desc: P1 Mass intervals: 3
Scan time: 0.500 s Samp. int.: 0.200 ms Master rate: 1024

Int #	Lo mass	Hi mass	Time	MPW	MFW	MA	TH	BL	ION
1	225.500	226.500	0.105	1	100	0	1	1	Pos
2	227.500	228.500	0.105	1	100	0	1	1	Pos
3	239.500	240.500	0.105	1	100	0	1	1	Pos

Interface number	0	
Sub-interface number	0	
# of acqu buffers	16	
Instrument type	G	
Full scale mass	1024	u
Zero scale mass	1	u
Intensity/ion	2	
Peak Width	1000.	mmu
Offset at low mass	0	mmu
Offset at high mass	0	mmu
Voltage settling time(MS)	4	

10/20/87 9:46:39 SCAN 3407 OF 3800

MID scan Desc: P2 Mass intervals: 3
Scan time: 0.500 s Samp. Int.: 0.200 ms Master rate: 1024

Int #	Lo mass	Hi mass	Time	MPW	MFW	MA	TH	BL	ION
1	249.575	250.575	0.105	1	100	0	1	1	Pos
2	251.575	252.575	0.105	1	100	0	1	1	Pos
3	263.579	264.579	0.105	1	100	0	1	1	Pos

10/20/87 9:49:59
ACQUISITION COMPLETED
SCANS 1 TO 3406 Centroid
SCAN 3407 Suspended
SCANS 3408 TO 3800 Centroid

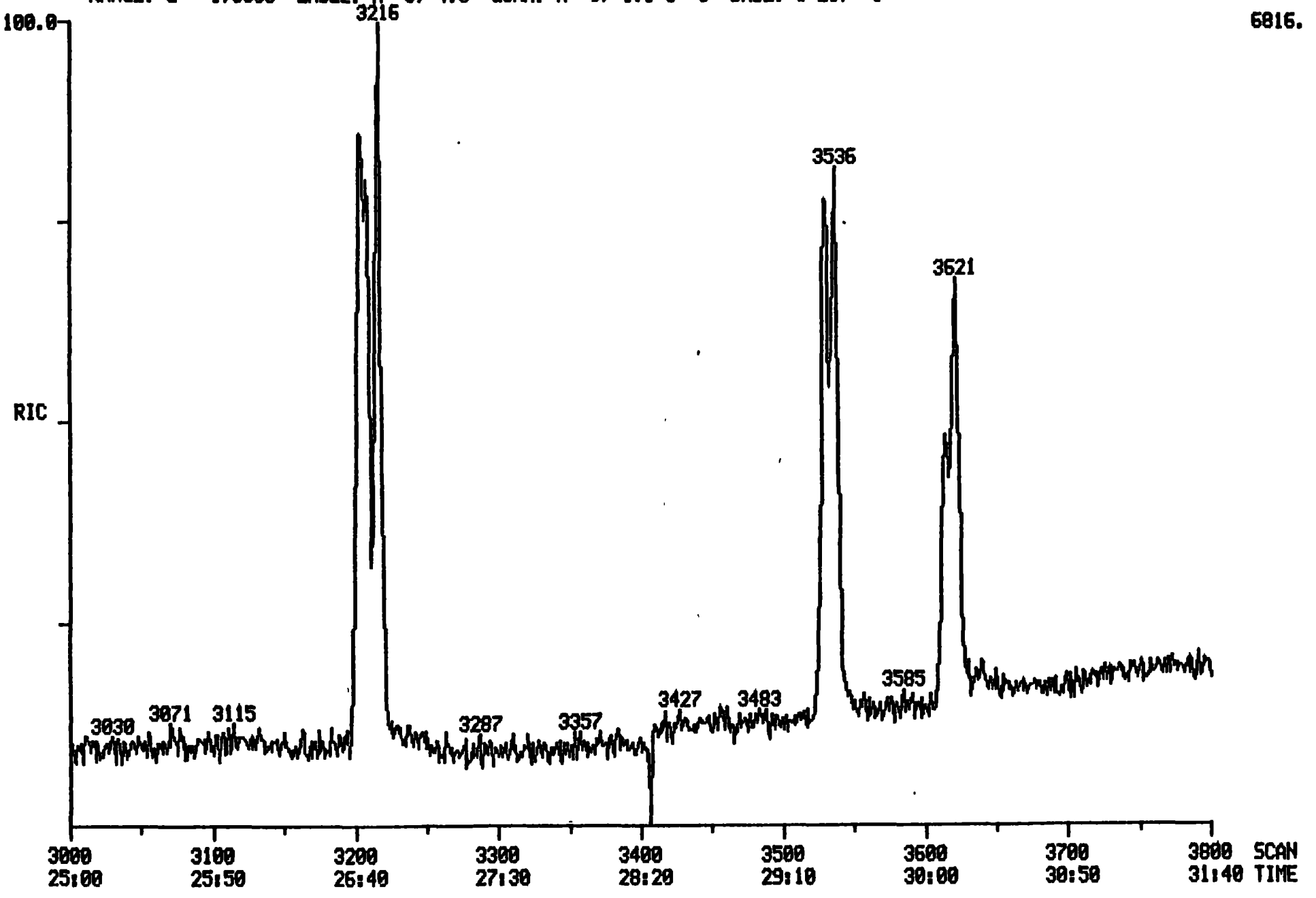
Mode	Scans	Secs	Out of	%	Peaks per scan	per sec

00757

MIDRIC
10/20/87 9:18:00
SAMPLE: 80 PPB PAH STD 10-19-87 MLB
CONDS.: GC DESC ST
RANGE: G 1,3800 LABEL: N 0, 4.0 QUAN: A 0, 1.0 J 0 BASE: U 20, 3

DATA: STDX742 #1
CALI: 102087CX #2

SCANS 3000 TO 3800



Guantitation Report File: STDX742

C0758

Data: STDX742.TI
10/20/87 9:18:00
Sample: 80 PPB PAH STD 10-19-87 MLB
Conds.: GC DESC ST
Formula: MID Instrument: 4500 Weight: 0.000
Submitted by: RMAL Analyst: DC Acct. No.:

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

No	Name	
1	D12-BENZO(A)PYRENE	264IPH# 01
2	D12-CHRYSENE	240SPH# 02
3	BENZO(A)ANTHRACENE	228 PH# 03
4	BENZO(A)ANTHRACENE	226 PH# 04
5	CHRYSENE	228 PH# 05
6	CHRYSENE	226 PH# 06
7	BENZO(B)FLUORANTHENE	252 PH# 07
8	BENZO(B)FLUORANTHENE	250 PH# 08
9	BENZO(K)FLUORANTHENE	252 PH# 09
10	BENZO(K)FLUORANTHENE	250 PH# 10
11	BENZO(A)PYRENE	252 PH# 13
12	BENZO(A)PYRENE	250 PH# 14

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount	%Tot
1	264	3614	30:07	1	1.000	A BB	13563.	80.000 NG/ML	8.33
2	240	3208	26:44	1	0.888	A BB	21730.	80.000 NG/ML	8.33
3	228	3203	26:41	1	0.886	A BV	20797.	80.000 NG/ML	8.33
4	226	3204	26:42	1	0.887	A BB	5382.	80.000 NG/ML	8.33
5	228	3216	26:48	1	0.890	A VB	22152.	80.000 NG/ML	8.33
6	226	3216	26:48	1	0.890	A BB	6612.	80.000 NG/ML	8.33
7	252	3530	29:25	1	0.977	A BV	21087.	80.000 NG/ML	8.33
8	250	3530	29:25	1	0.977	A BV	4483.	80.000 NG/ML	8.33
9	252	3536	29:28	1	0.978	A VB	19361.	80.000 NG/ML	8.33
10	250	3536	29:28	1	0.978	A VB	4484.	80.000 NG/ML	8.33
11	252	3621	30:10	1	1.002	A BB	15591.	80.000 NG/ML	8.33
12	250	3621	30:10	1	1.002	A BB	3720.	80.000 NG/ML	8.33

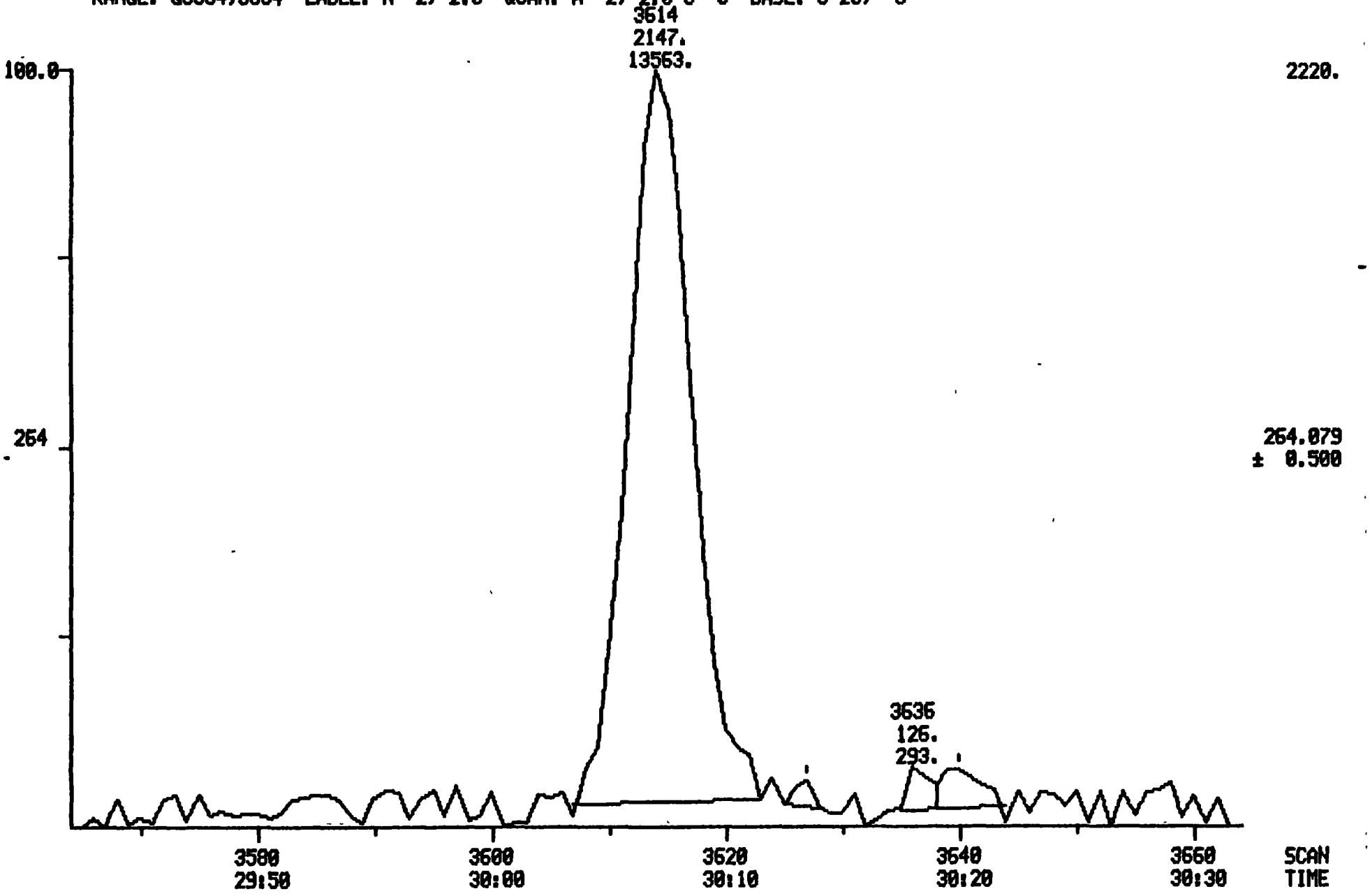
No	Ret(L)	Ratio	RRT(L)	Ratio	Amnt	Amnt(L)	R.Fac	R.Fac(L)	Ratio
1	30:07	1.00	1.000	1.00	80.00	80.00	1.000	1.000	1.00
2	26:44	1.00	0.888	1.00	80.00	80.00	1.602	1.602	1.00
3	26:41	1.00	0.886	1.00	80.00	80.00	1.533	1.533	1.00
4	26:42	1.00	0.887	1.00	80.00	80.00	0.397	0.397	1.00
5	26:48	1.00	0.890	1.00	80.00	80.00	1.633	1.633	1.00
6	26:48	1.00	0.890	1.00	80.00	80.00	0.488	0.488	1.00
7	29:25	1.00	0.977	1.00	80.00	80.00	1.555	1.555	1.00
8	29:25	1.00	0.977	1.00	80.00	80.00	0.330	0.330	1.00
9	29:28	1.00	0.978	1.00	80.00	80.00	1.427	1.427	1.00
10	29:28	1.00	0.978	1.00	80.00	80.00	0.331	0.331	1.00
11	30:10	1.00	1.002	1.00	80.00	80.00	1.150	1.150	1.00
12	30:10	1.00	1.002	1.00	80.00	80.00	0.274	0.274	1.00

No	Ret(L)	Ratio	RRT(L)	Ratio	Amnt	Amnt(L)	R. Fac	R. Fac(L)	Ratio
8	29:25	1.00	0.977	1.00	73.96	80.00	1.437	1.555	0.92
9	29:25	1.00	0.977	1.00	80.00	80.00	0.330	0.330	1.00
10	29:25	1.00	0.977	1.00	80.03	80.00	0.331	0.330	1.00
11	29:28	1.00	0.978	1.00	84.65	80.00	1.521	1.437	1.06
12	29:28	1.00	0.978	1.00	79.45	80.00	1.427	1.437	0.99
13	29:28	1.00	0.978	1.00	79.97	80.00	0.330	0.331	1.00
14	29:28	1.00	0.978	1.00	80.00	80.00	0.331	0.331	1.00
15	30:10	1.00	1.002	1.00	80.00	80.00	1.150	1.150	1.00
16	30:10	1.00	1.002	1.00	80.00	80.00	0.274	0.274	1.00

00759

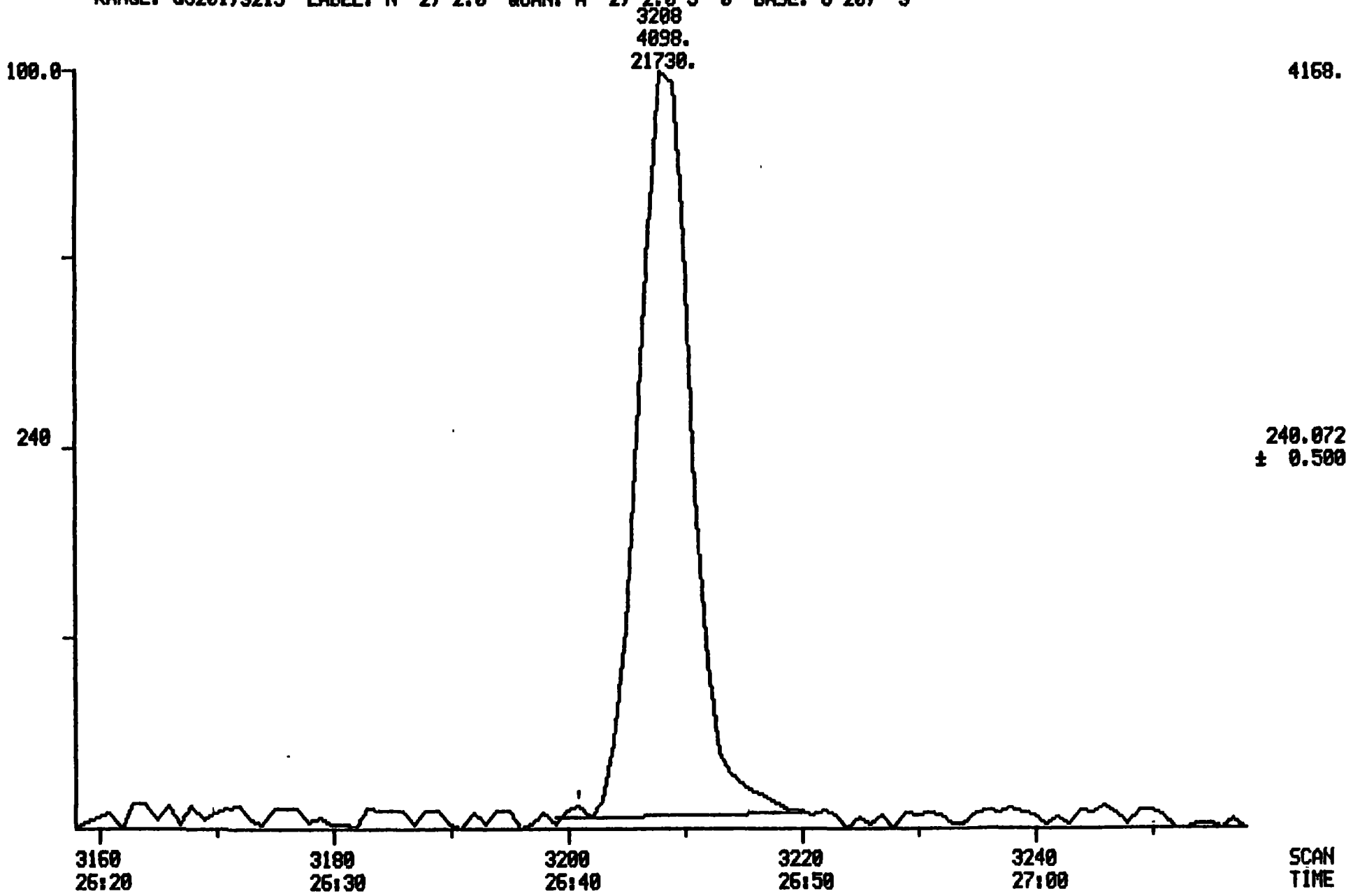
00700

MIDMASS CHROMATOGRAM DATA: STDX742 #3614 SCANS 3564 TO 3664
10/20/87 9:18:00 CALI: 102087CX #2
SAMPLE: 80 PPB PAH STD 10-19-87 MLB
CONDS.: GC DESC ST
D12-BENZO(A)PYRENE 264IPH# 01
RANGE: G3564,3664 LABEL: N 2, 2.0 QUAN: A 2, 2.0 J 0 BASE: U 20, 3



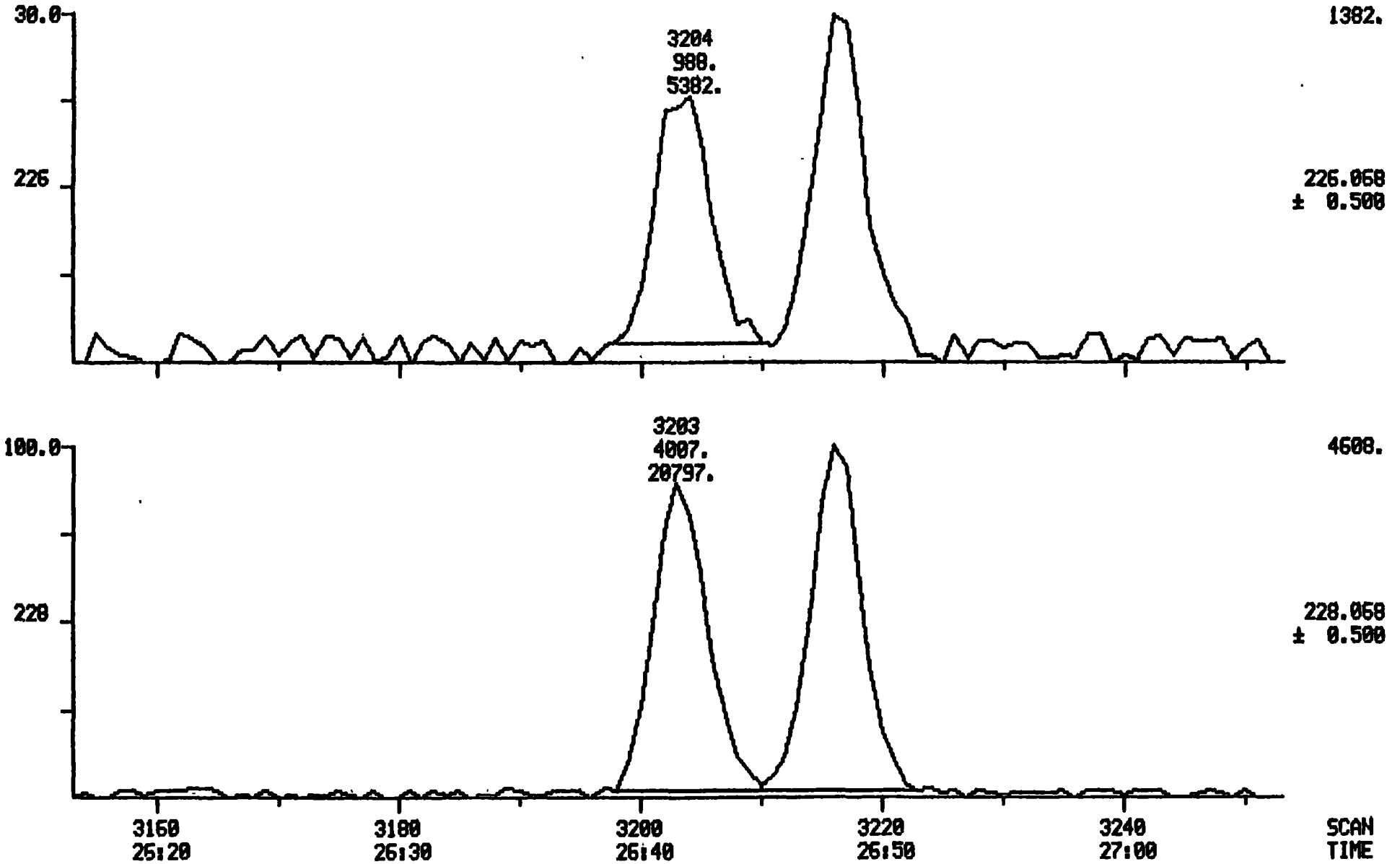
00761

MIDMASS CHROMATOGRAM DATA: STDX742 #3208 SCANS 3158 TO 3258
10/20/87 9:18:00 CALI: 102087CX #2
SAMPLE: 80 PPB PAH STD 10-19-87 MLB
CONDS.: GC DESC ST
D12-CHRYSENE 240SPH# 02
RANGE: G3201,3215 LABEL: N 2, 2.0 QUAN: A 2, 2.0 J 0 BASE: U 20, 3



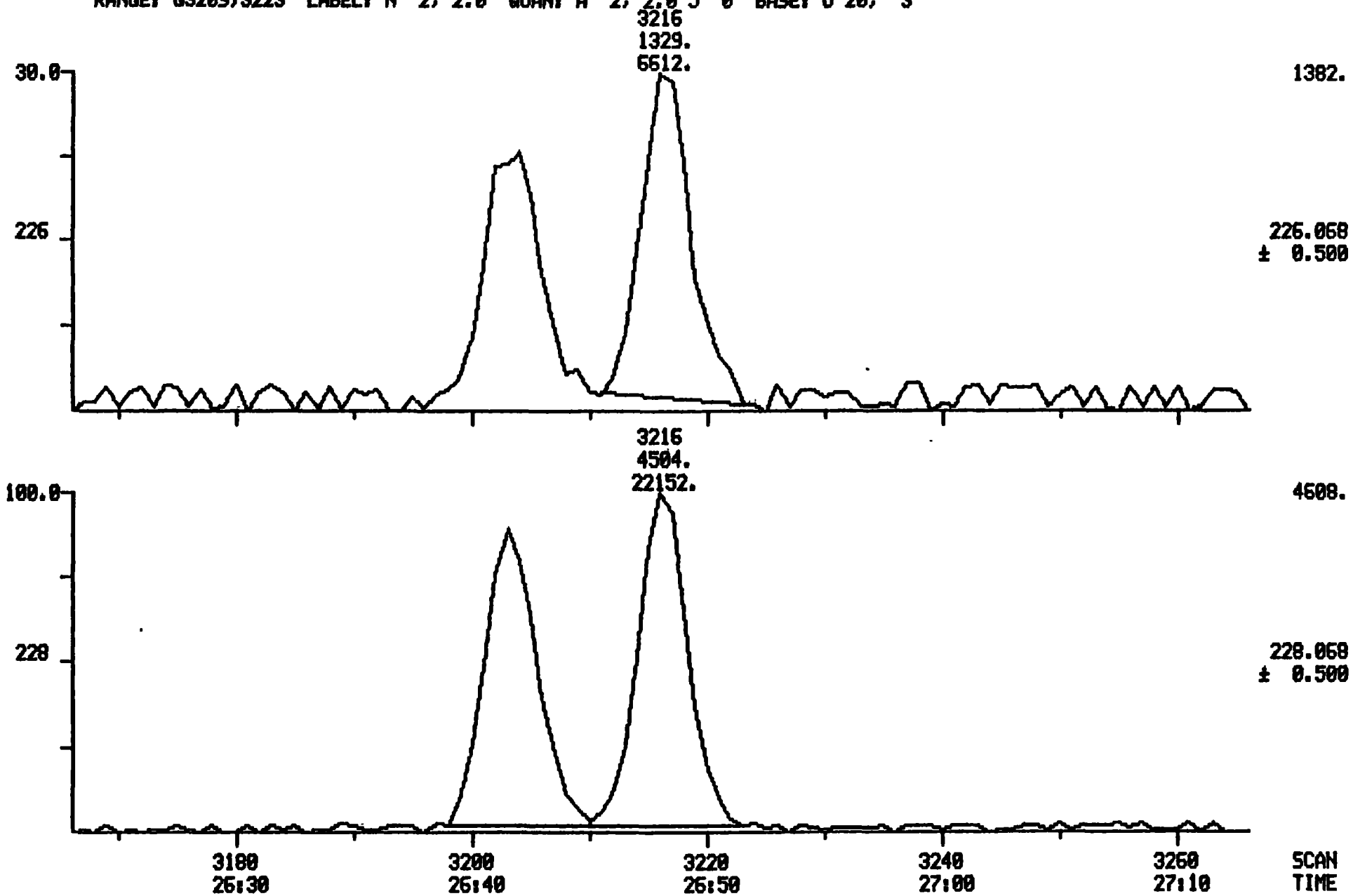
00762

MIDMASS CHROMATOGRAMS DATA: STDX742 #3203 SCANS 3153 TO 3253
10/20/87 9:18:00 CALI: 102087CX #2
SAMPLE: 80 PPB PAH STD 10-19-87 MLB
CONDS.: GC DESC ST
BENZO(A)ANTHRACENE 228 PH# 03
RANGE: G3196,3210 LABEL: N 2, 2.0 QUAN: A 2, 2.0 J 0 BASE: U 20, 3



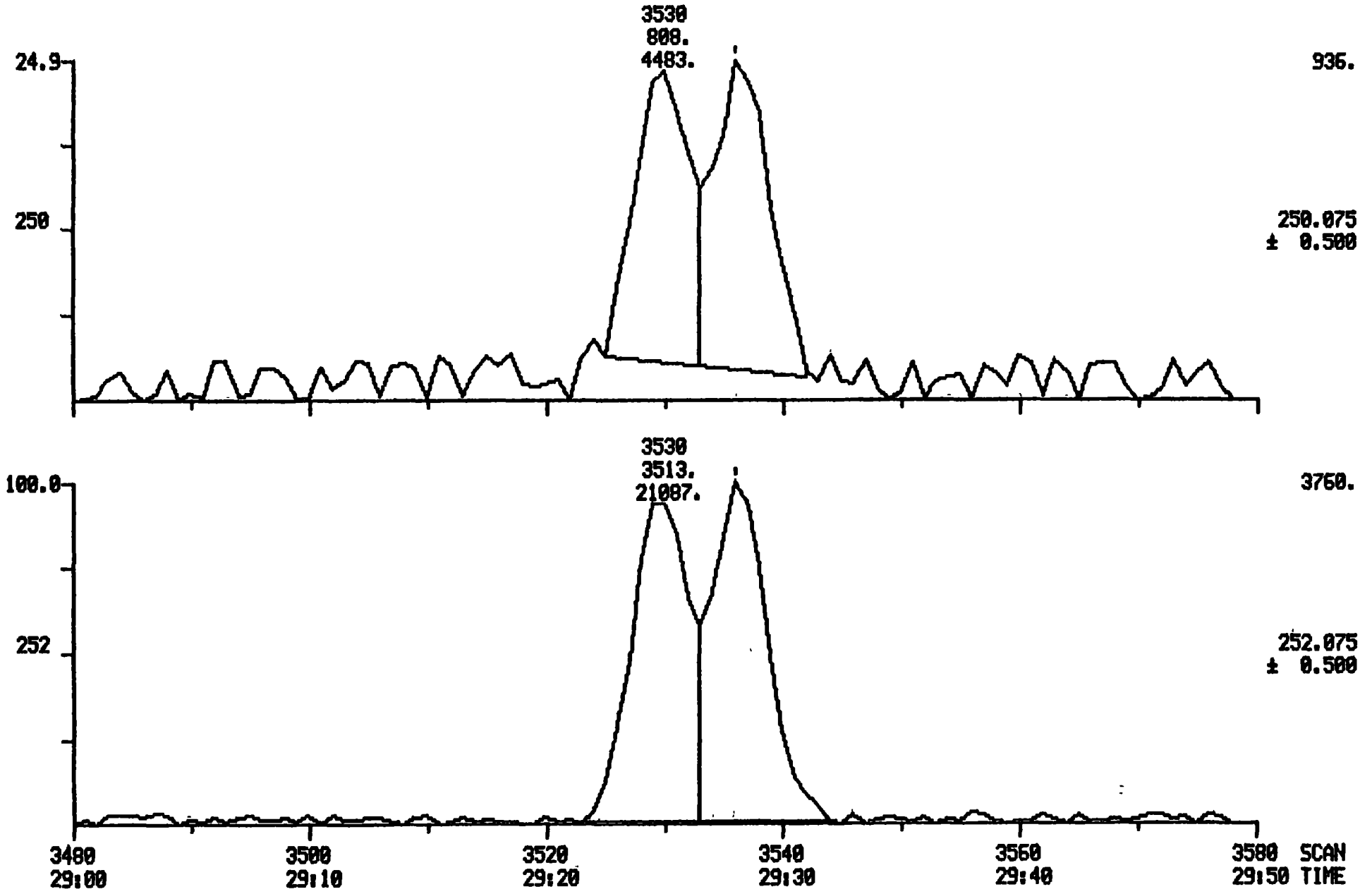
00763

MIDMASS CHROMATOGRAMS DATA: STDX742 #3216 SCANS 3166 TO 3266
10/20/87 9:18:00 CALI: 102087CX #2
SAMPLE: 80 PPB PAH STD 10-19-87 MLB
CONDS.: GC DESC ST
CHRYSENE 228 PH# 05
RANGE: G3209,3223 LABEL: N 2, 2.0 QUAN: A 2, 2.0 J 0 BASE: U 20, 3



00764

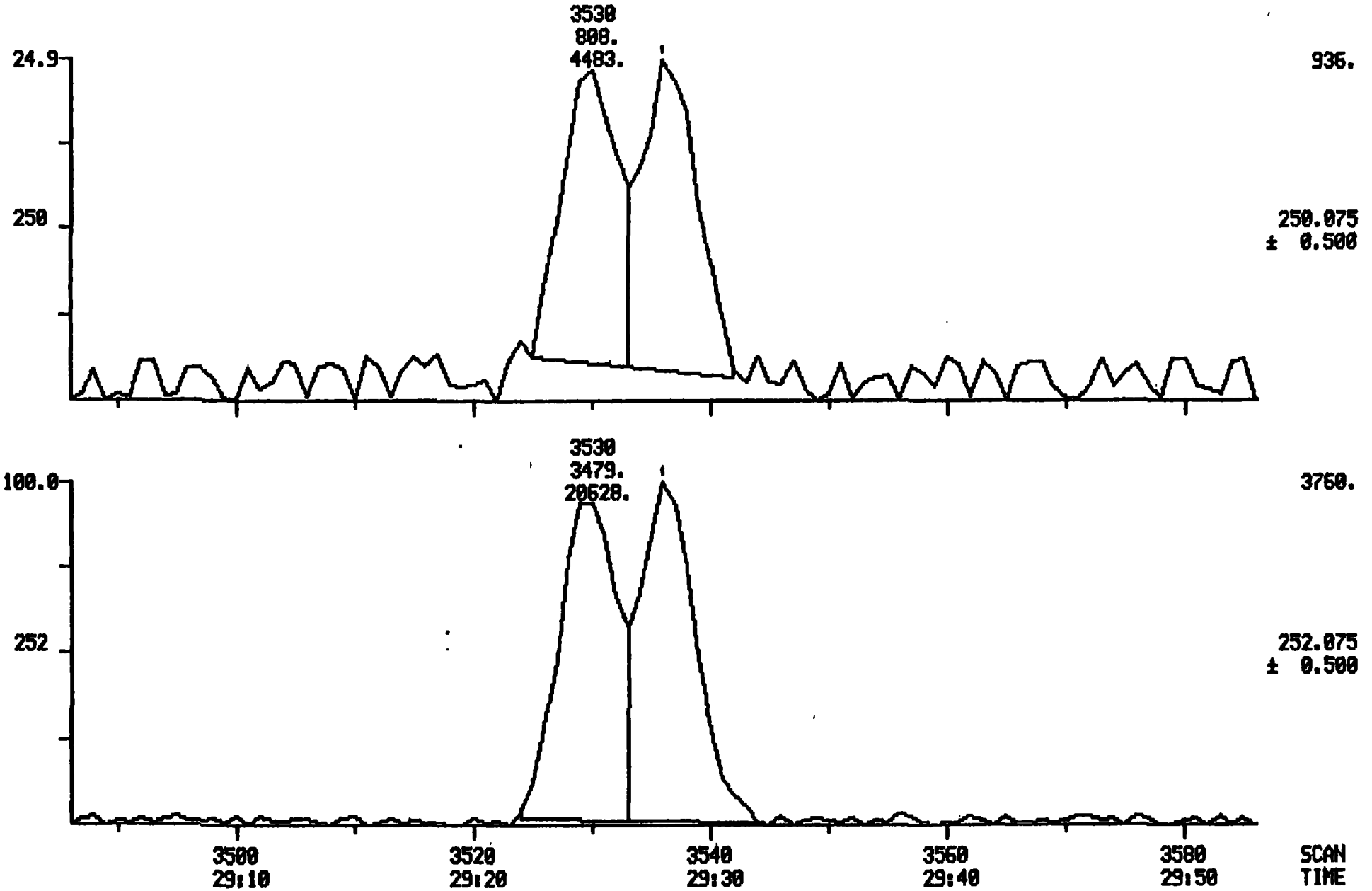
MIDMASS CHROMATOGRAMS DATA: STDX742 #3530 SCANS 3480 TO 3580
10/20/87 9:18:00 CALI: 102087CX #2
SAMPLE: 80 PPB PAH STD 10-19-87 MLB
CONDS.: GC DESC ST
BENZO(B)FLUORANTHENE 252 PH# 07
RANGE: G3523,3537 LABEL: N 2, 2.0 QUAN: A 2, 2.0 J 0 BASE: U 20, 3



00765

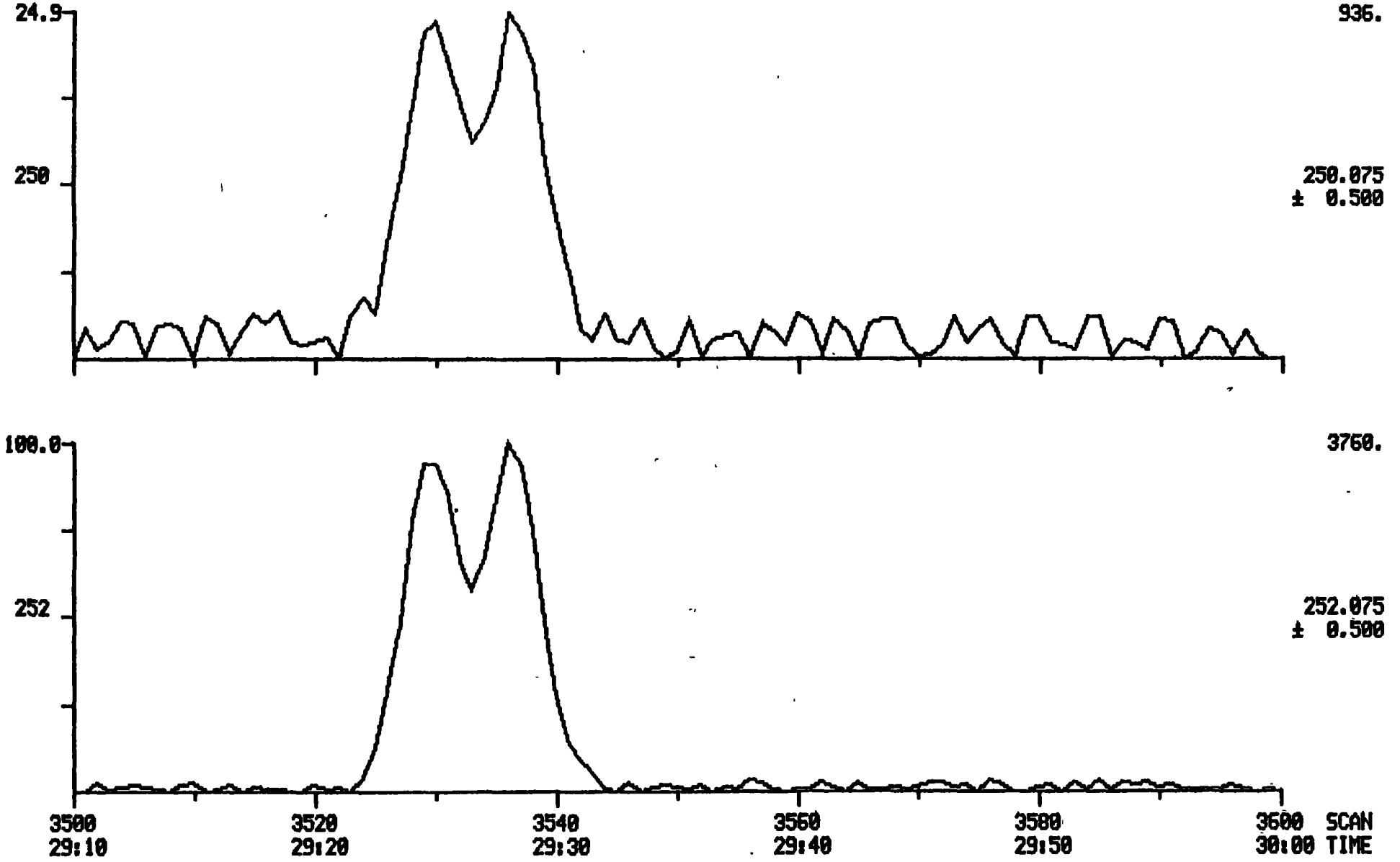
MIDMASS CHROMATOGRAMS
10/20/87 9:18:00
SAMPLE: 80 PPB PAH STD 10-19-87 MLB
CONDS.: GC DESC ST
BENZO(K)FLUORANTHENE 252 PH# 09
RANGE: G3529,3543 LABEL: N 2, 2.0 QUAN: A 2, 2.0 J 0 BASE: U 20, 3

DATA: STDX742 #3536 SCANS 3486 TO 3586
CALI: 102087CX #2

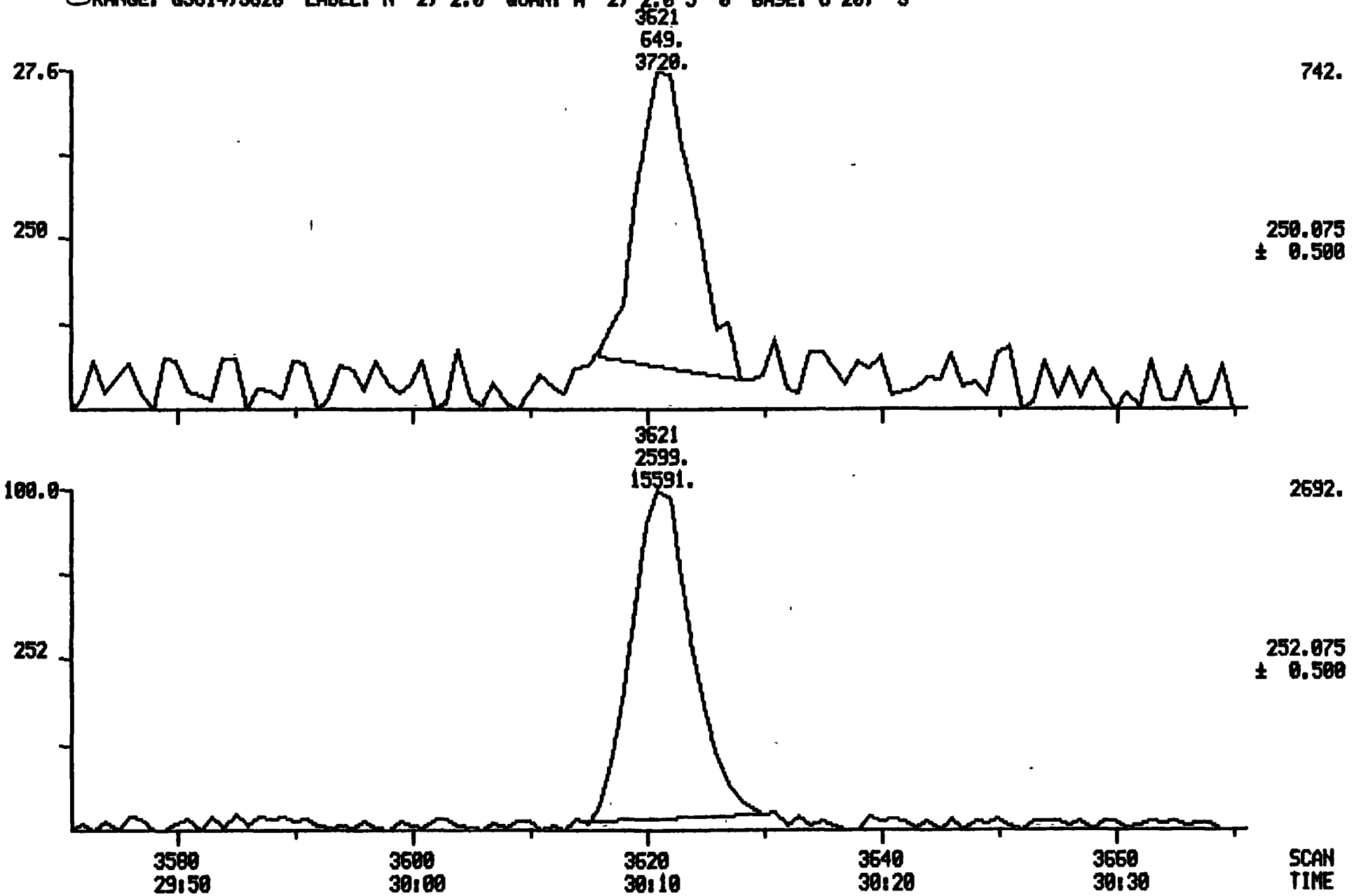


00766

MIDMASS CHROMATOGRAMS DATA: STDX742 #3550 SCANS 3500 TO 3600
10/20/87 9:18:00 CALI: 102087CX #2
SAMPLE: 80 PPB PAH STD 10-19-87 MLB
CONDS.: GC DESC ST
BENZO(J)FLUORANTHENE 252 PH# 11
RANGE: G3543,3557 LABEL: N 2, 2.0 QUAN: A 2, 2.0 J 0 BASE: U 20, 3



MIDMASS CHROMATOGRAMS DATA: STDX742 #3621 SCANS 3571 TO 3671
10/20/87 9:18:00 CALI: 102087CX #2
SAMPLE: 80 PPB PAH STD 10-19-87 MLB
CONDS.: GC DESC ST
BENZO(A)PYRENE 252 PH# 13
RANGE: G3614,3628 LABEL: N 2, 2.0 QUAN: A 2, 2.0 J 0 BASE: U 20, 3



00767

RMAL-QC/MS REILLY TAR & CHEMICAL CO. PROJECT PROCESSING PROGRAM
DATAFILE: D:STDX743. STARTED : 10/21/87 11:11:03

OK
(Repull areas)

00768

10/20/87 10:38:22 SCAN 1 OF 3800
Acquisition started

Acquire | Run O:STDX743 | ACQUIRING
10/20/87 10:38:00 + 0:03 | Free sectors: 27675 | Scan: 7 of 3800
Sample: 40 PPB PAH STD 10-19-87 MLB
Conds.: QC DESC ST
Formula: MID | Instrument: 4500 | Weight: 0.000
Submitted by: RMAL | Analyst: DC | Acct. No:

********** QC PARAMETERS **********
Loaded QC Desc:ST Current QC oven tmp: 30 DegC Injector : 265 DegC
Current QC Desc:ST QC elapsed time : 0: 3 min Int. oven : 250 DegC

Seq.#	Temp(C)	Rate(C/m)	Time(min)	Total time(min)		Open	Close
1	30 - 30	-	1.0	1.0	Sweep/Split	0.5	0.0
2	30 - 325	10.0	29.5	30.5	Divert	40.5	0.0
3	325 - 325	-	10.0	40.5			
4	325 - 325	-	0.0	40.5			

********** SCAN PARAMETERS **********
***** Mode: Centroid positive ion + R1 (Temp)

MID scan | Desc: P1 | Mass intervals: 3
Scan time: 0.500 s | Samp. int.: 0.200 ms | Master rate: 1024

Int #	Lo mass	Hi mass	Time	MPW	MFW	MA	TH	BL	ION
1	225.500	226.500	0.105	1	100	0	1	1	Pos
2	227.500	228.500	0.105	1	100	0	1	1	Pos
3	239.500	240.500	0.105	1	100	0	1	1	Pos

Interface number	0	
Sub-interface number	0	
# of acqu buffers	16	
Instrument type	Q	
Full scale mass	1024	u
Zero scale mass	1	u
Intensity/ion	2	
Peak Width	1000.	mmu
Offset at low mass	0	mmu
Offset at high mass	0	mmu
Voltage settling time(MS)	4	

10/20/87 11:06:47 SCAN 3407 OF 3800

MID scan | Desc: P2 | Mass intervals: 3
Scan time: 0.500 s | Samp. Int.: 0.200 ms | Master rate: 1024

Int #	Lo mass	Hi mass	Time	MPW	MFW	MA	TH	BL	ION
1	249.575	250.575	0.105	1	100	0	1	1	Pos
2	251.575	252.575	0.105	1	100	0	1	1	Pos
3	263.579	264.579	0.105	1	100	0	1	1	Pos

10/20/87 11:10:06
ACQUISITION COMPLETED
SCANS 1 TO 3406 Centroid
SCAN 3407 Suspended
SCANS 3408 TO 3800 Centroid

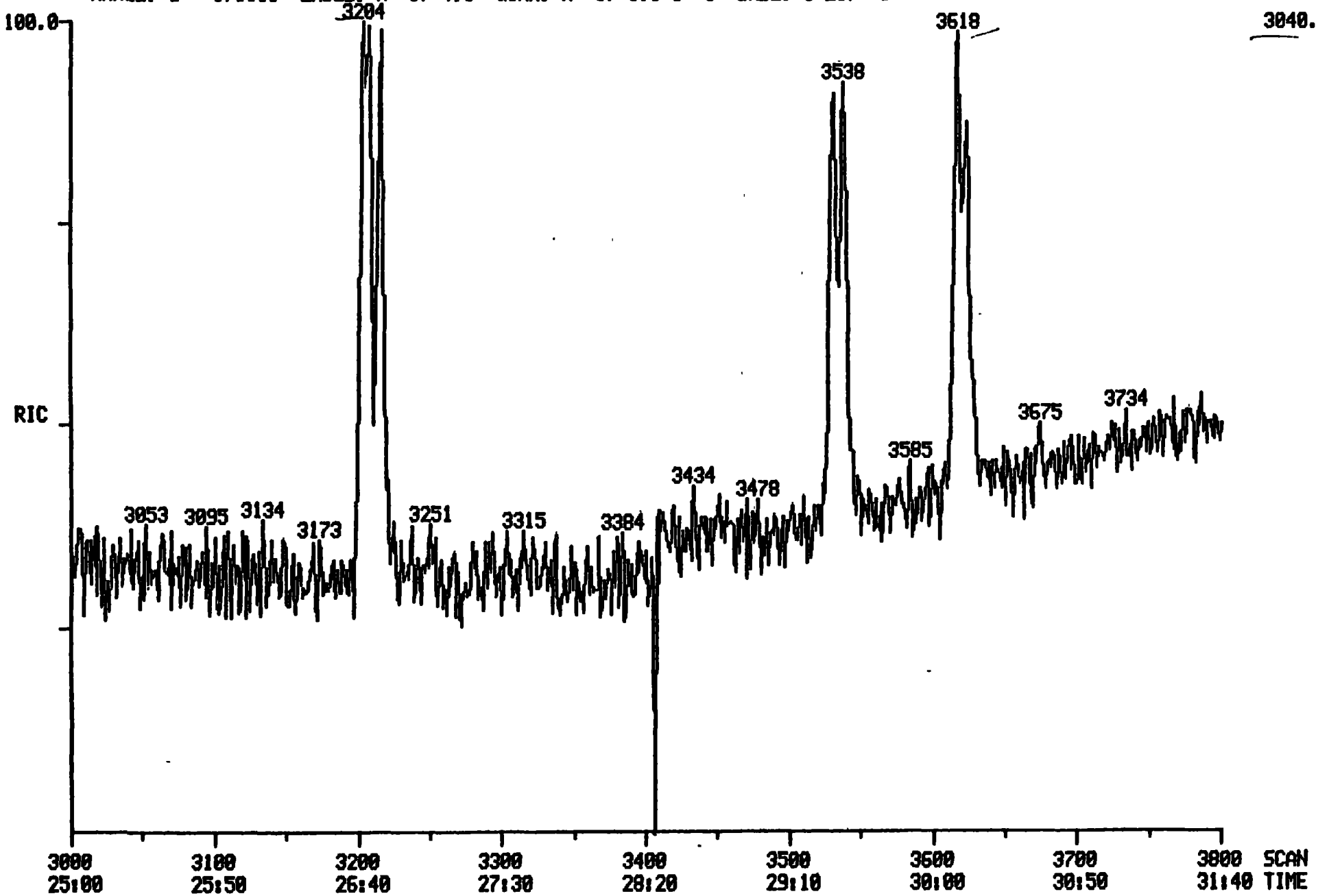
Mode	Scans	Secs	Out of	%	Peaks per scan	per sec
Centroid	3799	191.6	1899.5	10.1	15196.	4. 8.

00769

MIDRIC
10/20/87 10:38:00
SAMPLE: 40 PPB PAH STD 10-19-87 MLB
CONDS.: GC DESC ST
RANGE: G 1,3800 LABEL: N 0, 4.0 QUAN: A 0, 1.0 J 0 BASE: U 20, 3

DATA: STDX743 #1
CALI: 102087CX #2

SCANS 3000 TO 3800



Quantitation Report File: STDX743

Data: STDX743.TI
10/20/87 10:38:00
Sample: 40 PPB PAH STD 10-19-87 MLB
Conds.: GC DESC ST
Formula: MID Instrument: 4500 Weight: 0.000
Submitted by: RMAL Analyst: DC Acct. No.:

00770

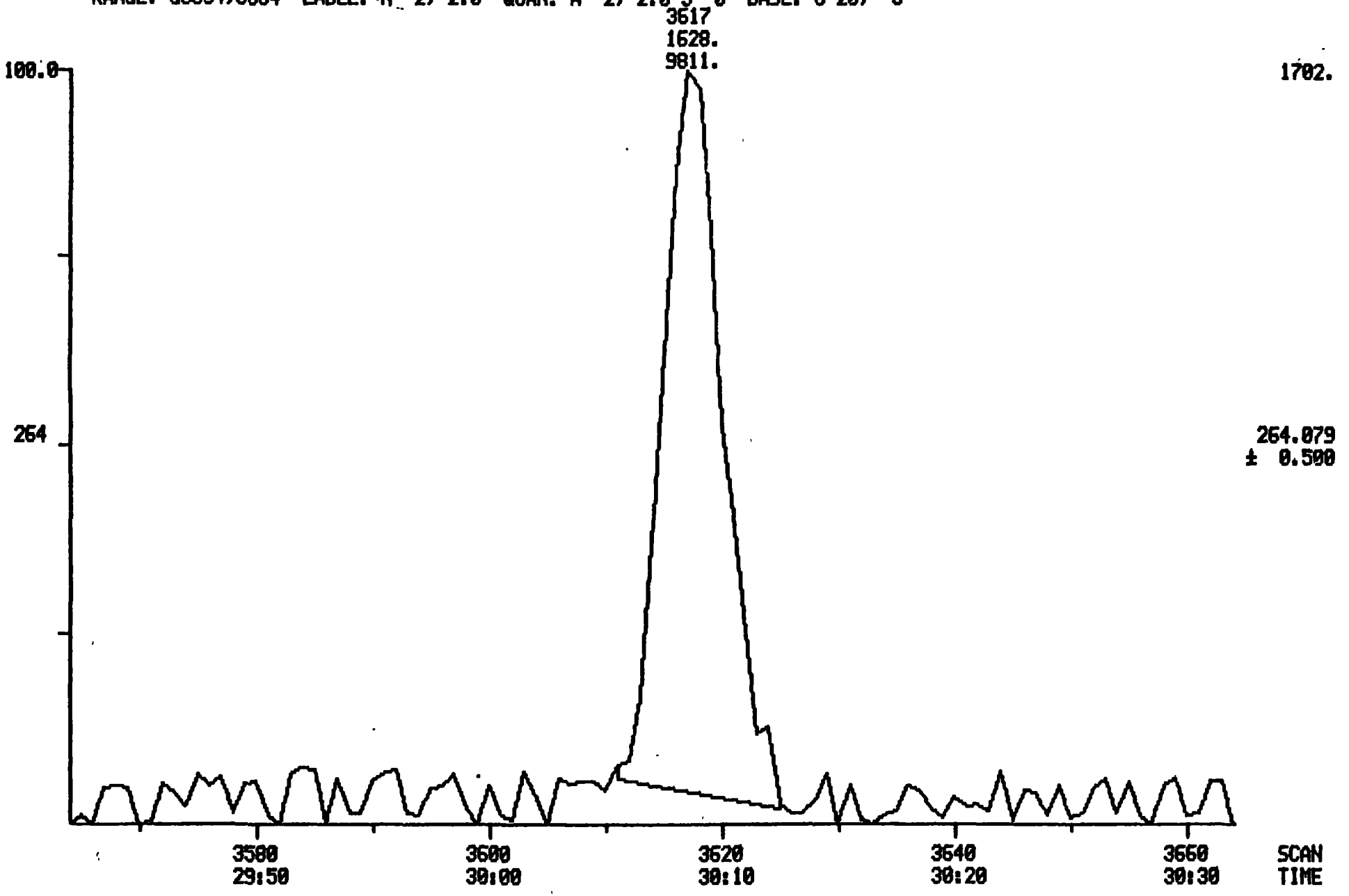
AMOUNT=AREA * REF AMNT/(REF AREA * RESP FACT)
Resp. fac. from Library Entry

No	Name		
1	D12-BENZO(A)PYRENE	264	IPH# 01
2	D12-CHRYSENE	240	SPH# 02
3	BENZO(A)ANTHRACENE	228	PH# 03
4	BENZO(A)ANTHRACENE	226	PH# 04
5	CHRYSENE	228	PH# 05
6	CHRYSENE	226	PH# 06
7	BENZO(B)FLUORANTHENE	252	PH# 07
8	BENZO(B)FLUORANTHENE	250	PH# 08
9	BENZO(K)FLUORANTHENE	252	PH# 09
10	BENZO(K)FLUORANTHENE	250	PH# 10
11	BENZO(A)PYRENE	252	PH# 13
12	BENZO(A)PYRENE	250	PH# 14

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount		%Tot
1	264	3617	30:08	1	1.000	A BB	9811.	80.000	NG/ML	17.24
2	240	3208	26:44	1	0.887	A BB	7995.	40.692	NG/ML	8.77
3	228	3204	26:42	1	0.886	A BB	7495.	39.857	NG/ML	8.59
4	226	3203	26:41	1	0.886	A BB	1636.	33.619	NG/ML	7.24
5	228	3216	26:48	1	0.889	A BB	8072.	40.301	NG/ML	8.68
6	226	3216	26:48	1	0.889	A BB	1980.	33.118	NG/ML	7.14
7	252	3531	29:25	1	0.976	A BV	7688.	40.320	NG/ML	8.69
8	250	3530	29:25	1	0.976	A BV	1227.	30.274	NG/ML	6.52
9	252	3538	29:29	1	0.978	A VB	6285.	35.905	NG/ML	7.74
10	250	3538	29:29	1	0.978	A VB	1084.	26.722	NG/ML	5.76
11	252	3624	30:12	1	1.002	A BB	5371.	38.101	NG/ML	8.21
12	250	3624	30:12	1	1.002	A BB	846.	25.141	NG/ML	5.42

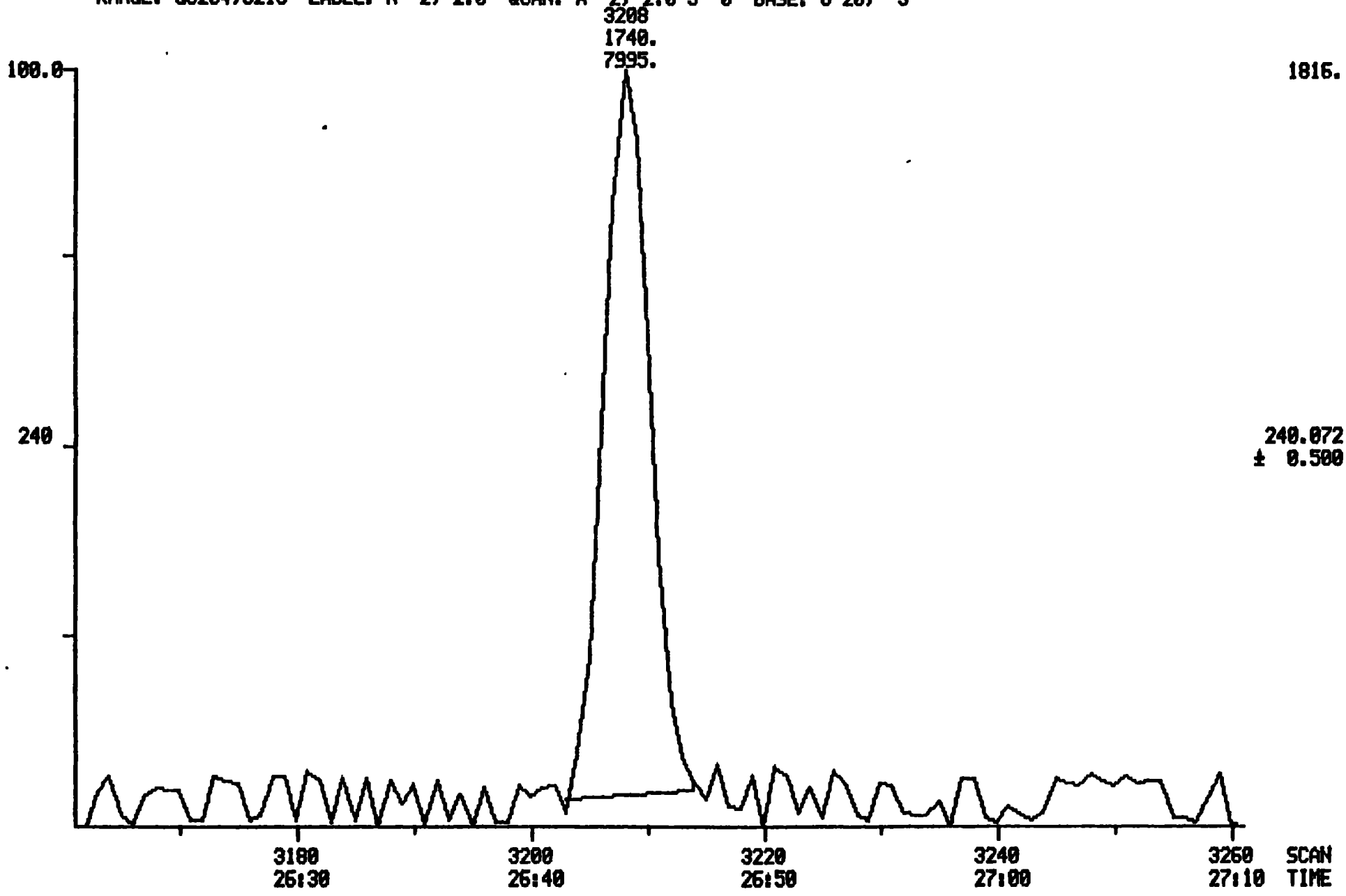
No	Ret(L)	Ratio	RRT(L)	Ratio	Amnt	Amnt(L)	R.Fac	R.Fac(L)	Ratio
1	30:07	1.00	1.000	1.00	80.00	80.00	1.000	1.000	1.00
2	26:44	1.00	0.888	1.00	40.69	40.00	1.630	1.602	1.02
3	26:41	1.00	0.886	1.00	39.86	40.00	1.528	1.533	1.00
4	26:42	1.00	0.887	1.00	33.62	40.00	0.334	0.397	0.84
5	26:48	1.00	0.890	1.00	40.30	40.00	1.645	1.633	1.01
6	26:48	1.00	0.890	1.00	33.12	40.00	0.404	0.488	0.83
7	29:25	1.00	0.977	1.00	40.32	40.00	1.567	1.555	1.01
8	29:25	1.00	0.977	1.00	30.27	40.00	0.250	0.330	0.76
9	29:28	1.00	0.978	1.00	35.91	40.00	1.281	1.427	0.90
10	29:28	1.00	0.978	1.00	26.72	40.00	0.221	0.331	0.67
11	30:10	1.00	1.002	1.00	38.10	40.00	1.095	1.150	0.95
12	30:10	1.00	1.002	1.00	25.14	40.00	0.172	0.274	0.63

MIDMASS CHROMATOGRAM DATA: STDX743 #3614 SCANS 3564 TO 3664
10/20/87 10:38:00 CALI: 102087CX #2
SAMPLE: 40 PPB PAH STD 10-19-87 MLB
CONDS.: GC DESC ST
D12-BENZO(A)PYRENE 264IPH# 01
RANGE: G3564,3664 LABEL: N 2, 2.0 QUAN: A 2, 2.0 J 0 BASE: U 20, 3



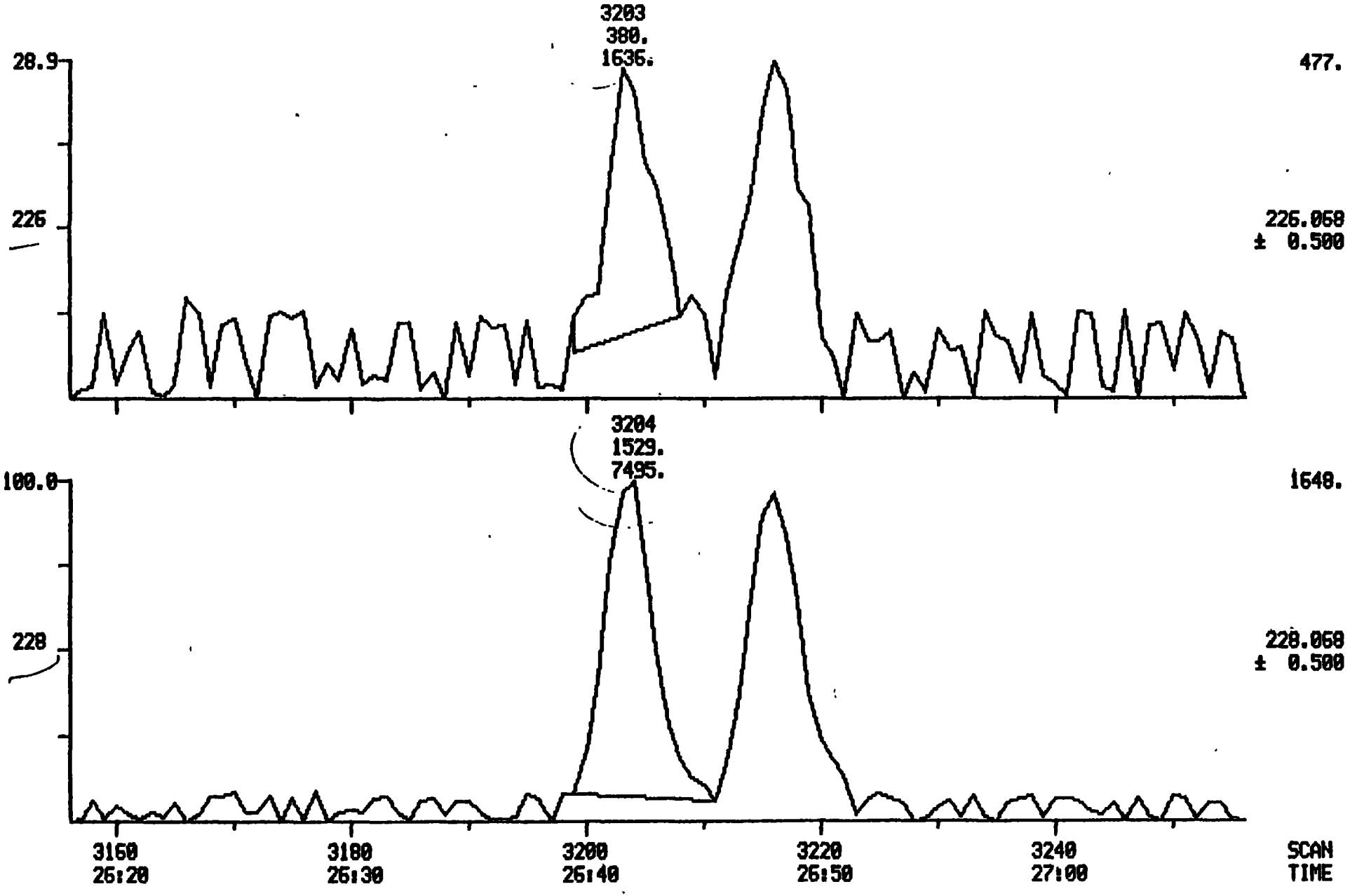
MIDMASS CHROMATOGRAM DATA: STDX743 #3211 SCANS 3161 TO 3261
10/20/87 10:38:00 CALI: 102087CX #2
SAMPLE: 40 PPB PAH STD 10-19-87 MLB
CONDS.: GC DESC ST
D12-CHRYSENE 240SPH# 02
RANGE: G3204,3218 LABEL: N 2, 2.0 QUAN: A 2, 2.0 J 0 BASE: U 20, 3

00772



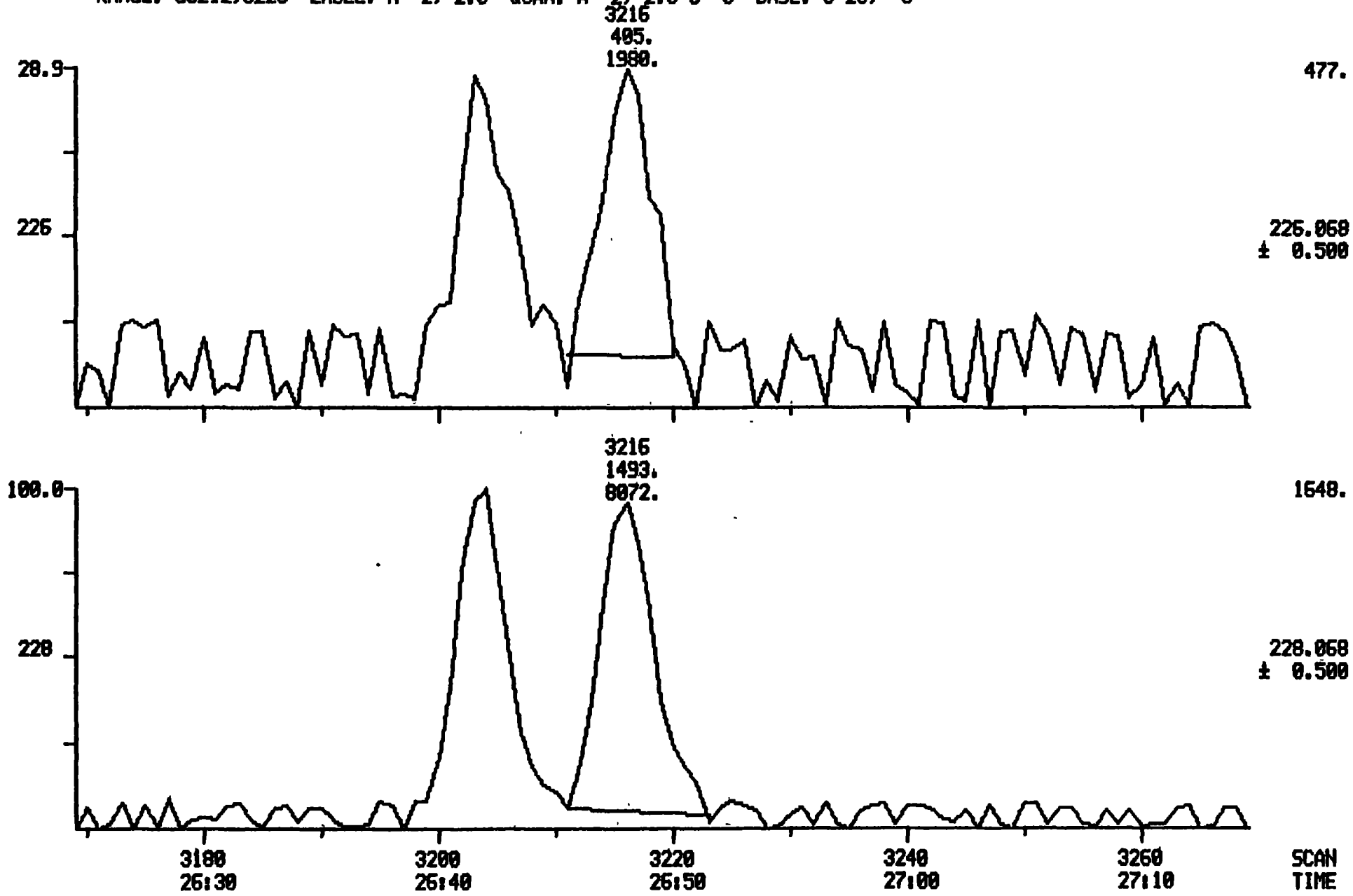
MIDMASS CHROMATOGRAMS DATA: STDX743 #3206 SCANS 3156 TO 3256
10/20/87 10:38:00 CALI: 102087CX #2
SAMPLE: 40 PPB PAH STD 10-19-87 MLB
CONDS.: GC DESC ST
BENZO(A)ANTHRACENE 228 PH# 03
RANGE: G3199,3213 LABEL: N 2, 2.0 QUAN: A 2, 2.0 J 0 BASE: U 20, 3

00773



00774

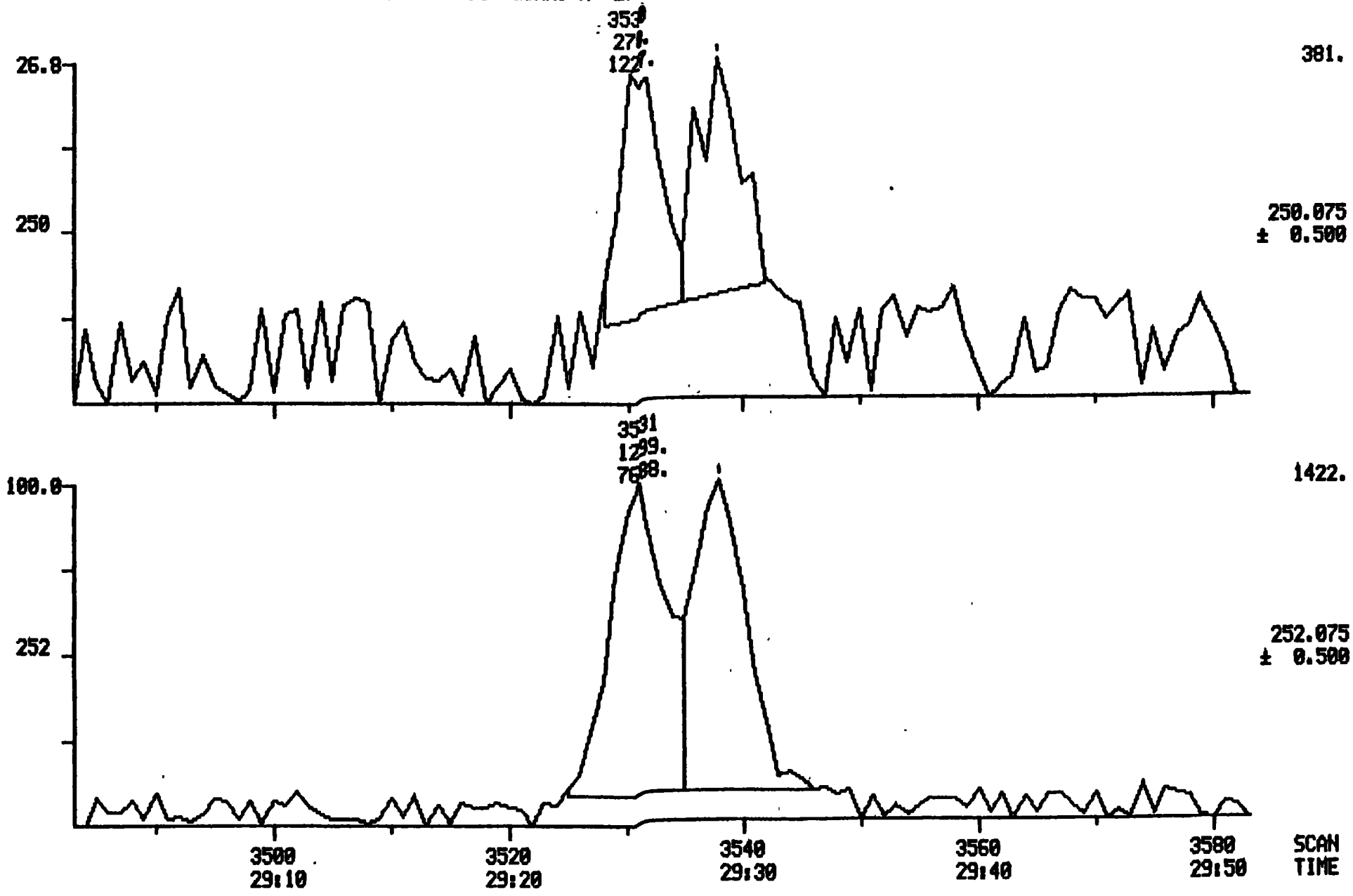
MIDMASS CHROMATOGRAMS DATA: STDX743 #3219 SCANS 3169 TO 3269
10/20/87 10:38:00 CALI: 102087CX #2
SAMPLE: 40 PPB PAH STD 10-19-87 MLB
CONDS.: GC DESC ST
CHRYSENE 228 PH# 05
RANGE: G3212,3226 LABEL: N 2, 2.0 QUAN: A 2, 2.0 J 0 BASE: U 20, 3



00775

MIDMASS CHROMATOGRAMS
10/20/87 10:38:00
SAMPLE: 40 PPB PAH STD 10-19-87 MLB
CONDS.: GC DESC ST
BENZO(B)FLUORANTHENE 252 PH# 07
RANGE: G3526,3540 LABEL: N 2, 2.0 QUAN: A 2, 2.0 J 0 BASE: U 20, 3

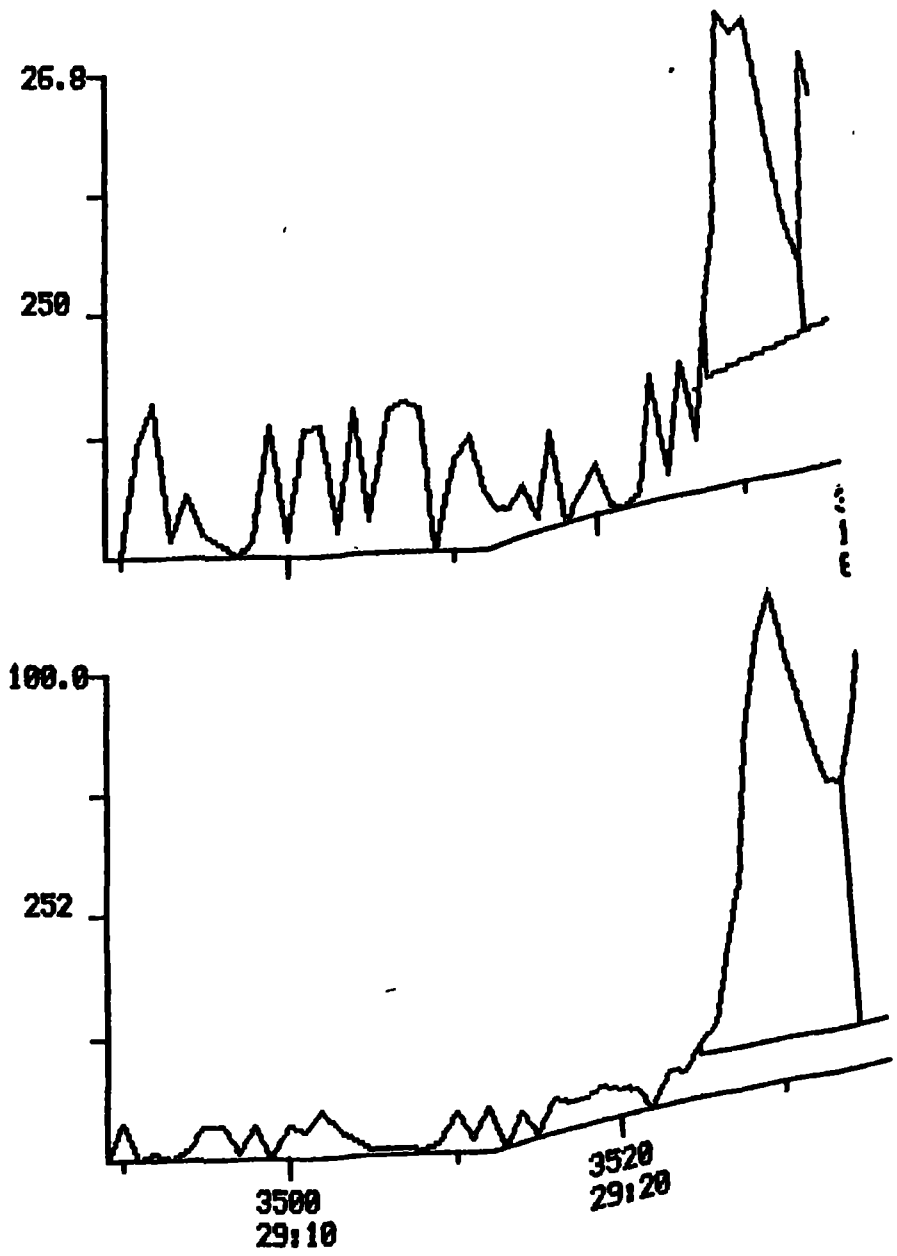
DATA: STDX74 #3533 SCANS 3483 TO 3583
CALI: 102087X #2



00776

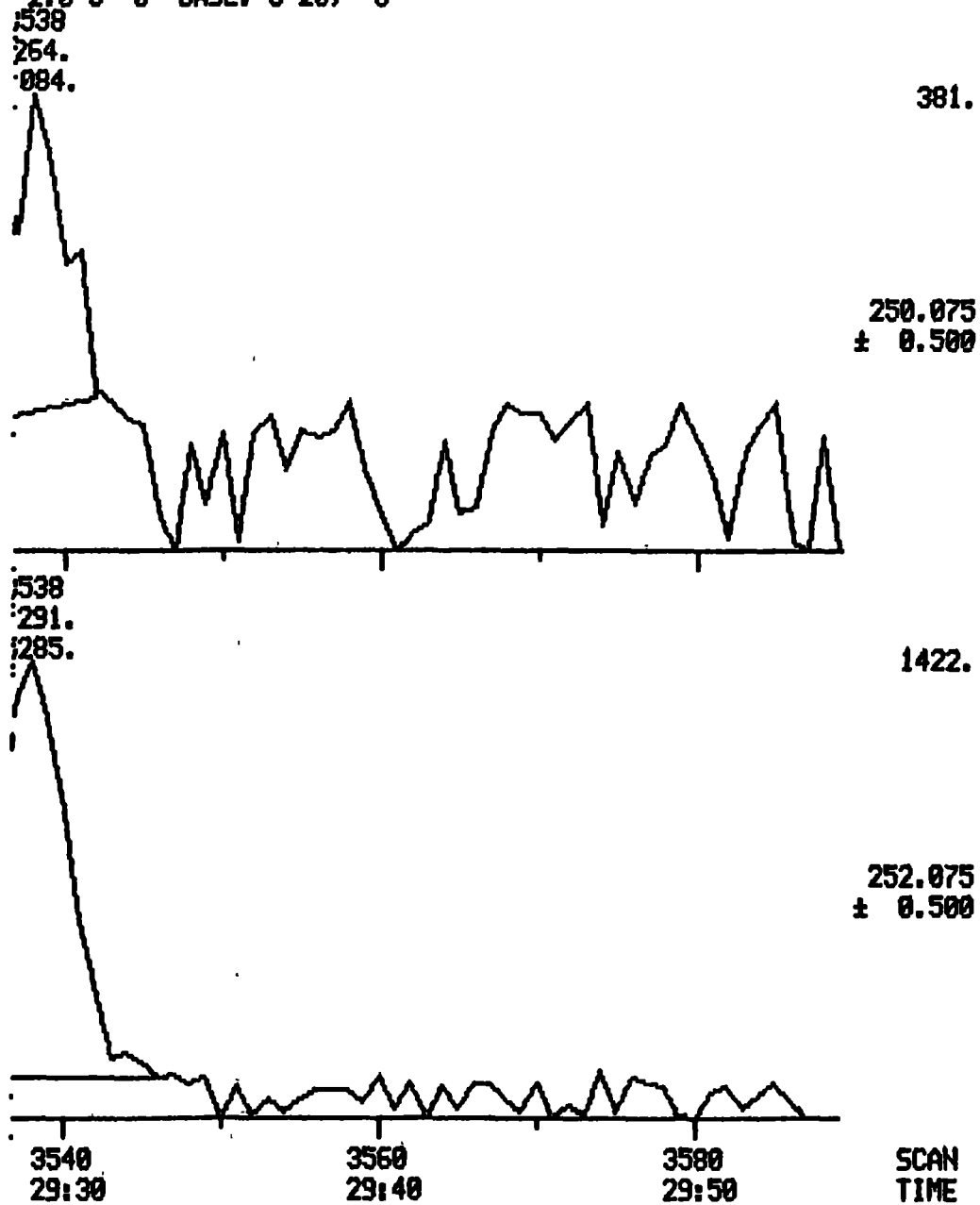
MIDMASS CHROMATOGRAMS
10/20/87 10:38:00
SAMPLE: 40 PPB PAH STD 10-19-87 MLB
CONDS.: GC DESC ST
BENZO(K)FLUORANTHENE 252 PH# 09
RANGE: G3532,3546 LABEL: N 2, 2.0 QUAN: A 2,

DATA: STDX74
CALI: 102087



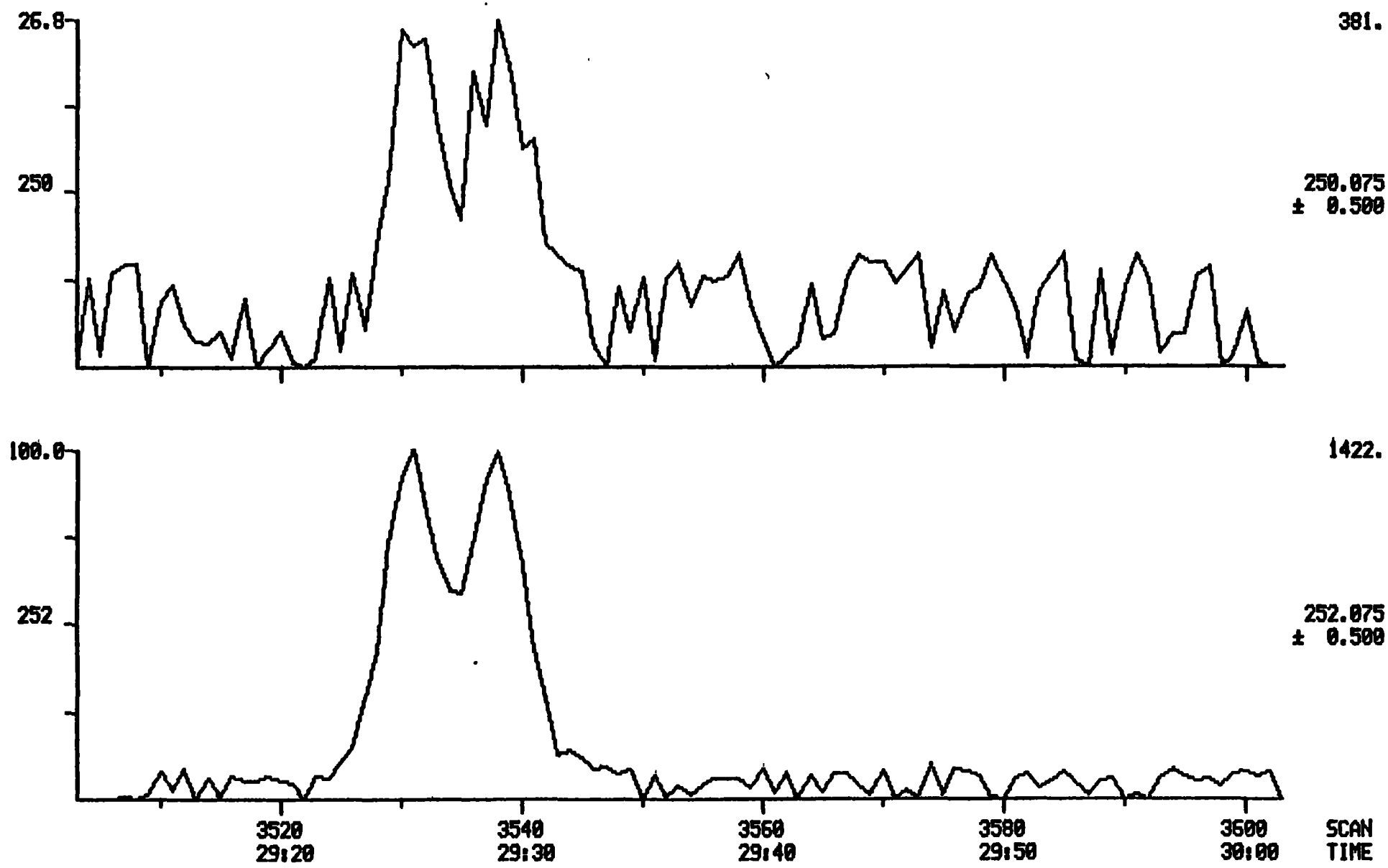
3 #3539 SCANS 3489 TO 3589
2X #2

2.0 J 0 BASE: U 20, 3



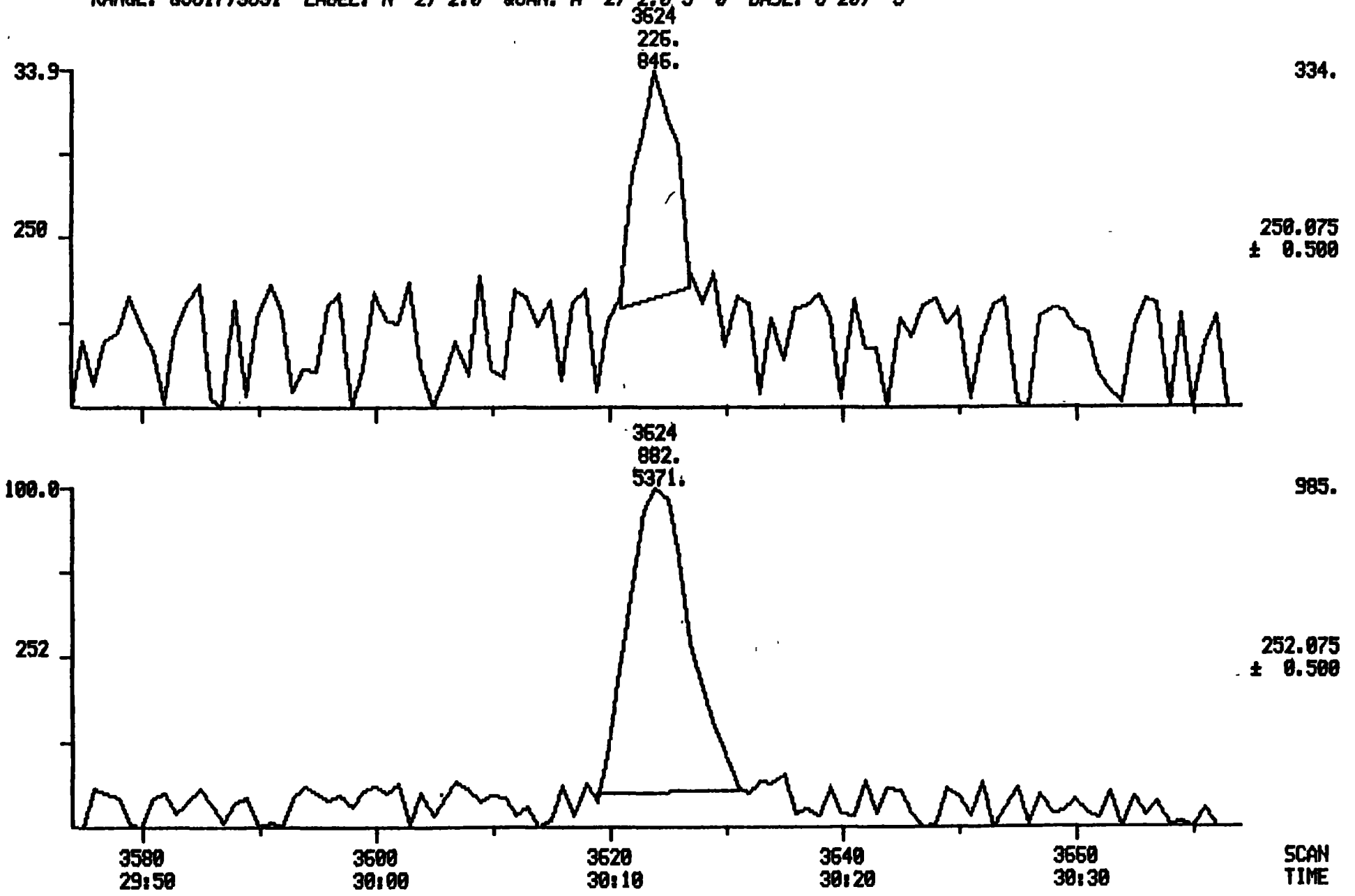
00178

MIDMASS CHROMATOGRAMS DATA: STDX743 #3553 SCANS 3503 TO 3603
10/20/87 10:38:00 CALI: 102087CX #2
SAMPLE: 40 PPB PAH STD 10-19-87 MLB
CONDS.: GC DESC ST
BENZO(J)FLUORANTHENE 252 PH# 11
RANGE: G3546,3560 LABEL: N 2, 2.0 QUAN: A 2, 2.0 J 0 BASE: U 20, 3



00779

MIDMASS CHROMATOGRAMS DATA: STDX743 #3624 SCANS 3574 TO 3674
10/20/87 10:38:00 CALI: 102087CX #2
SAMPLE: 40 PPB PAH STD 10-19-87 MLB
CONDS.: GC DESC ST
BENZO(A)PYRENE 252 PH# 13
RANGE: G3617,3631 LABEL: N 2, 2.0 QUAN: A 2, 2.0 J 0 BASE: U 20, 3



RMAL-GC/MS REILLY TAR & CHEMICAL CO. PROJECT PROCESSING PROGRAM
DATAFILE: D: STDX744. STARTED : 10/21/87 12: 58: 50

00780

10/20/87 11: 42: 00 SCAN 1 OF 3800
Acquisition started

Acquire Run 0: STDX744 ACQUIRING
10/20/87 11: 41: 00 + 0: 03 Free sectors: 27412 Scan: 7 of 3800
Sample: 800 PPB PAH STD 10-19-87 MLB
Conds.: GC DESC ST
Formula: MID Instrument: 4500 Weight: 0.000
Submitted by: RMAL Analyst: DC Acct. No:

********** GC PARAMETERS **********
Loaded GC Desc: ST Current GC oven tmp: 31 DegC Injector : 265 DegC
Current GC Desc: ST GC elapsed time : 0: 7 min Int. oven : 250 DegC

Seq. #	Temp(C)	Rate(C/m)	Time(min)	Total time(min)		Open	Close
1	30 - 30	-	1.0	1.0	Sweep/Split	0.5	0.0
2	30 - 325	10.0	29.5	30.5	Divert	40.5	0.0
3	325 - 325	-	10.0	40.5			
4	325 - 325	-	0.0	40.5			

********** SCAN PARAMETERS **********
***** Mode: Centroid positive ion + R1 (Temp)

MID scan Desc: P1 Mass intervals: 3
Scan time: 0.500 s Samp. int.: 0.200 ms Master rate: 1024

Int #	Lo mass	Hi mass	Time	MPW	MFW	MA	TH	BL	ION
1	225.500	226.500	0.105	1	100	0	1	1	Pos
2	227.500	228.500	0.105	1	100	0	1	1	Pos
3	239.500	240.500	0.105	1	100	0	1	1	Pos

Interface number	0	
Sub-interface number	0	
# of acqu buffers	16	
Instrument type	G	
Full scale mass	1024	u
Zero scale mass	1	u
Intensity/ion	2	
Peak Width	1000.	mmu
Offset at low mass	0	mmu
Offset at high mass	0	mmu
Voltage settling time(MS)	4	

10/20/87 12: 10: 25 SCAN 3407 OF 3800

MID scan Desc: P2 Mass intervals: 3
Scan time: 0.500 s Samp. Int.: 0.200 ms Master rate: 1024

Int #	Lo mass	Hi mass	Time	MPW	MFW	MA	TH	BL	ION
1	249.575	250.575	0.105	1	100	0	1	1	Pos
2	251.575	252.575	0.105	1	100	0	1	1	Pos
3	263.579	264.579	0.105	1	100	0	1	1	Pos

10/20/87 12: 13: 44
ACQUISITION COMPLETED
SCANS 1 TO 3406 Centroid
SCAN 3407 Suspended
SCANS 3408 TO 3800 Centroid

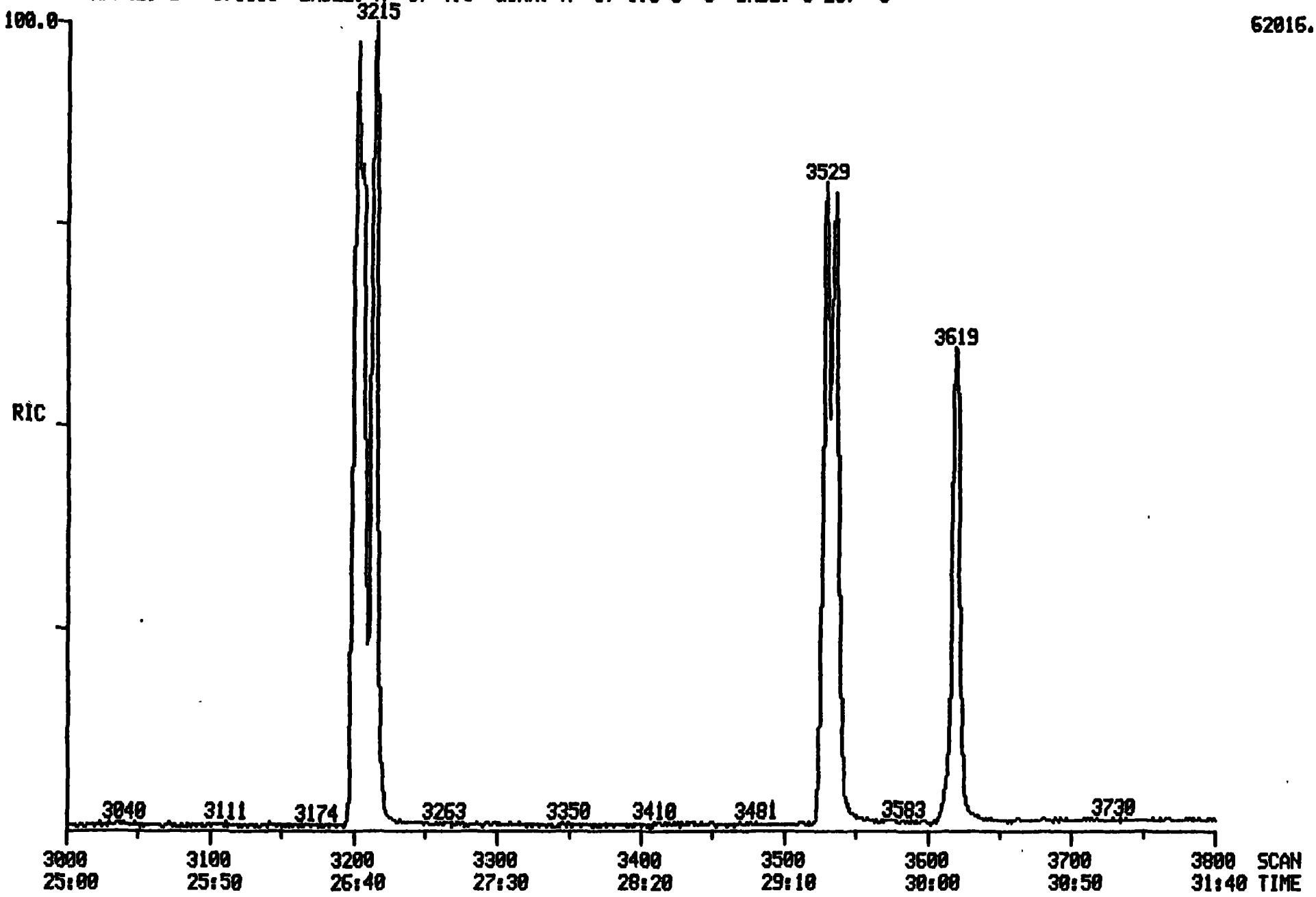
Mode	Scans	Secs	Out of	%	Peaks per scan	per sec
Centroid	3799	189.7	1899.5	10.0	15196.	4. 8.

00781

MIDRIC
10/20/87 11:41:00
SAMPLE: 800 PPB PAH STD 10-19-87 MLB
CONDS.: GC DESC ST
RANGE: G 1,3800 LABEL: N 0, 4.0 QUAN: A 0, 1.0 J 0 BASE: U 20, 3

DATA: STDX744 #1
CALI: 102087CX #2

SCANS 3000 TO 3800



Quantitation Report File: STDX744

Data: STDX744.TI
10/20/87 11:41:00
Sample: 800 PPB PAH STD 10-19-87 MLB
Conds.: QC DESC ST
Formula: MID Instrument: 4500 Weight: 0.000
Submitted by: RMAL Analyst: DC Acct. No.:

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

No	Name	
1	D12-BENZO(A)PYRENE	264IPH# 01
2	D12-CHRYSENE	240SPH# 02
3	BENZO(A)ANTHRACENE	228 PH# 03
4	BENZO(A)ANTHRACENE	226 PH# 04
5	CHRYSENE	228 PH# 05
6	CHRYSENE	226 PH# 06
7	BENZO(B)FLUORANTHENE	252 PH# 07
8	BENZO(B)FLUORANTHENE	250 PH# 08
9	BENZO(K)FLUORANTHENE	252 PH# 09
10	BENZO(K)FLUORANTHENE	250 PH# 10
11	BENZO(A)PYRENE	252 PH# 13
12	BENZO(A)PYRENE	250 PH# 14

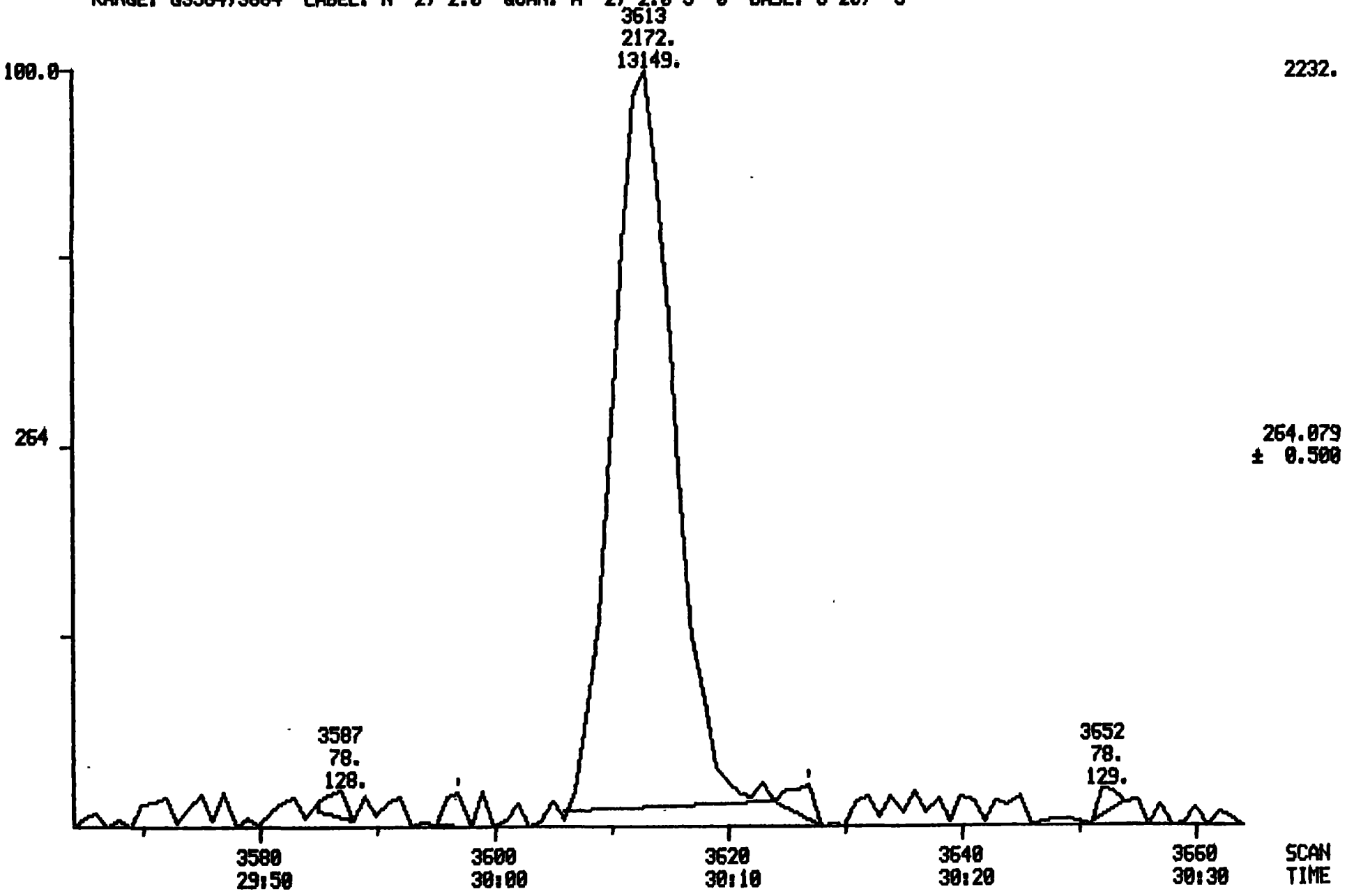
No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount		%Tot
1	264	3613	30:06	1	1.000	A BB	13149.	80.000	NG/ML	0.82
2	240	3207	26:43	1	0.888	A BB	219328.	832.891	NG/ML	8.55
3	228	3202	26:41	1	0.886	A BV	230195.	913.367	NG/ML	9.37
4	226	3202	26:41	1	0.886	A BV	58834.	902.064	NG/ML	9.26
5	228	3215	26:47	1	0.890	A VB	234391.	873.137	NG/ML	8.96
6	226	3215	26:47	1	0.890	A VB	67038.	836.620	NG/ML	8.59
7	252	3529	29:24	1	0.977	A BV	224212.	877.381	NG/ML	9.01
8	250	3529	29:24	1	0.977	A BV	49260.	906.817	NG/ML	9.31
9	252	3535	29:27	1	0.978	A VB	201670.	859.559	NG/ML	8.82
10	250	3535	29:27	1	0.978	A VB	45987.	846.215	NG/ML	8.69
11	252	3619	30:09	1	1.002	A BB	174999.	926.191	NG/ML	9.51
12	250	3620	30:10	1	1.002	A BB	40069.	888.709	NG/ML	9.12

No	Ret(L)	Ratio	RRT(L)	Ratio	Amnt	Amnt(L)	R.Fac	R.Fac(L)	Ratio
1	30:07	1.00	1.000	1.00	80.00	80.00	1.000	1.000	1.00
2	26:44	1.00	0.888	1.00	832.89	80.00	16.680	1.602	10.41
3	26:41	1.00	0.886	1.00	913.37	80.00	17.506	1.533	11.42
4	26:42	1.00	0.887	1.00	902.06	80.00	4.474	0.397	11.28
5	26:48	1.00	0.890	1.00	873.14	80.00	17.825	1.633	10.91
6	26:48	1.00	0.890	1.00	836.62	80.00	5.098	0.488	10.46
7	29:25	1.00	0.977	1.00	877.38	80.00	17.051	1.555	10.97
8	29:25	1.00	0.977	1.00	906.82	80.00	3.746	0.330	11.34
9	29:28	1.00	0.978	1.00	859.56	80.00	15.337	1.427	10.74
10	29:28	1.00	0.978	1.00	846.22	80.00	3.497	0.331	10.58
11	30:10	1.00	1.002	1.00	926.19	80.00	13.308	1.150	11.58
12	30:10	1.00	1.002	1.00	888.71	80.00	3.047	0.274	11.11

No	Ret(L)	Ratio	RRT(L)	Ratio	Amnt	Amnt(L)	R.Fac	R.Fac(L)	Ratio
12	29:28	1.00	0.978	1.00	846.22	80.00	3.497	0.331	10.58
13	30:10	1.00	1.002	1.00	926.19	80.00	13.308	1.150	11.58
14	30:10	1.00	1.002	1.00	888.71	80.00	3.047	0.274	11.11

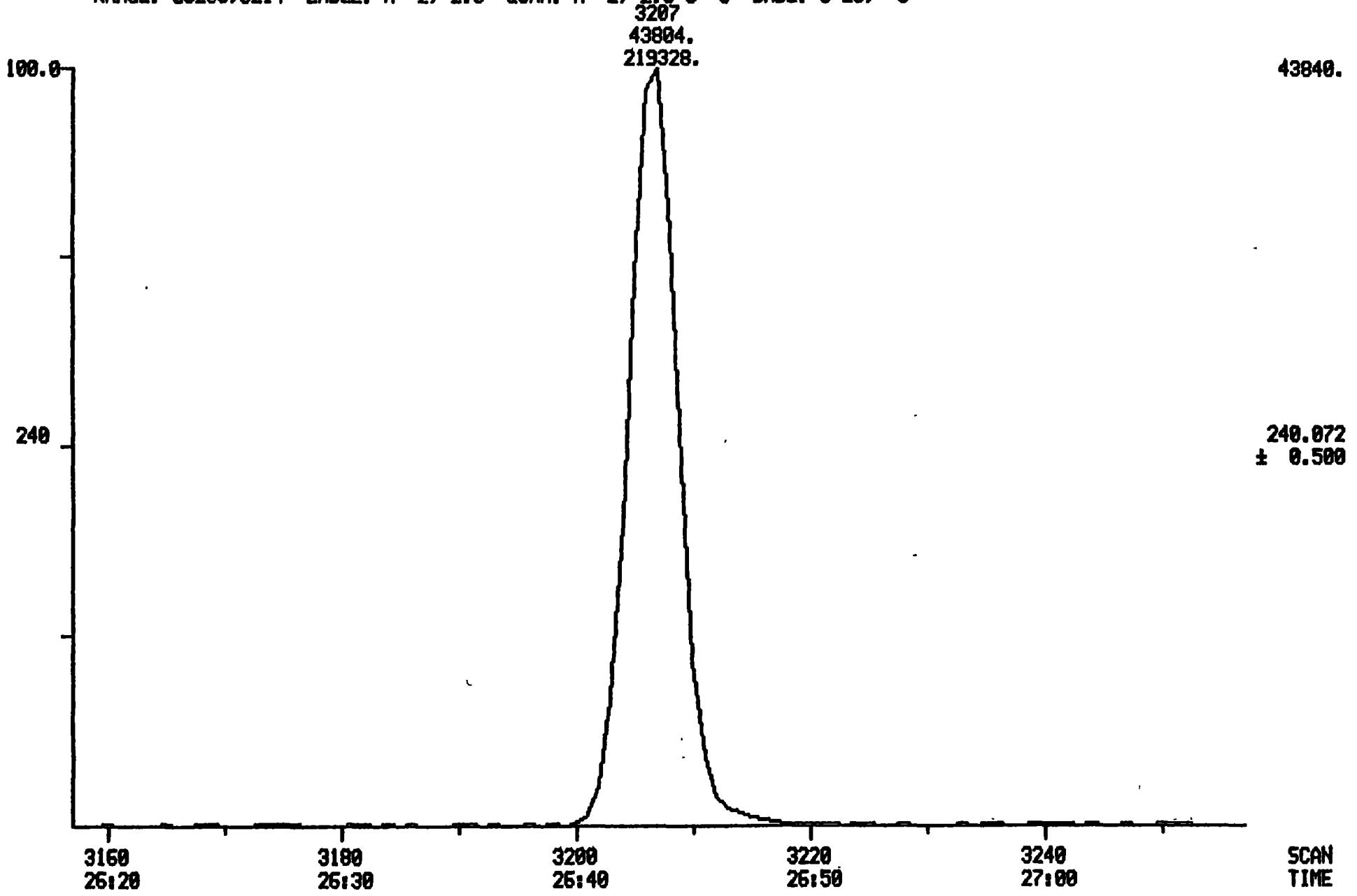
00784

MIDMASS CHROMATOGRAM DATA: STDX744 #3614 SCANS 3564 TO 3664
10/20/87 11:41:00 CALI: 102087CX #2
SAMPLE: 800 PPB PAH STD 10-19-87 MLB
CONDS.: GC DESC ST
D12-BENZO(A)PYRENE 264IPH# 01
RANGE: G3564,3664 LABEL: N 2, 2.0 QUAN: A 2, 2.0 J 0 BASE: U 20, 3

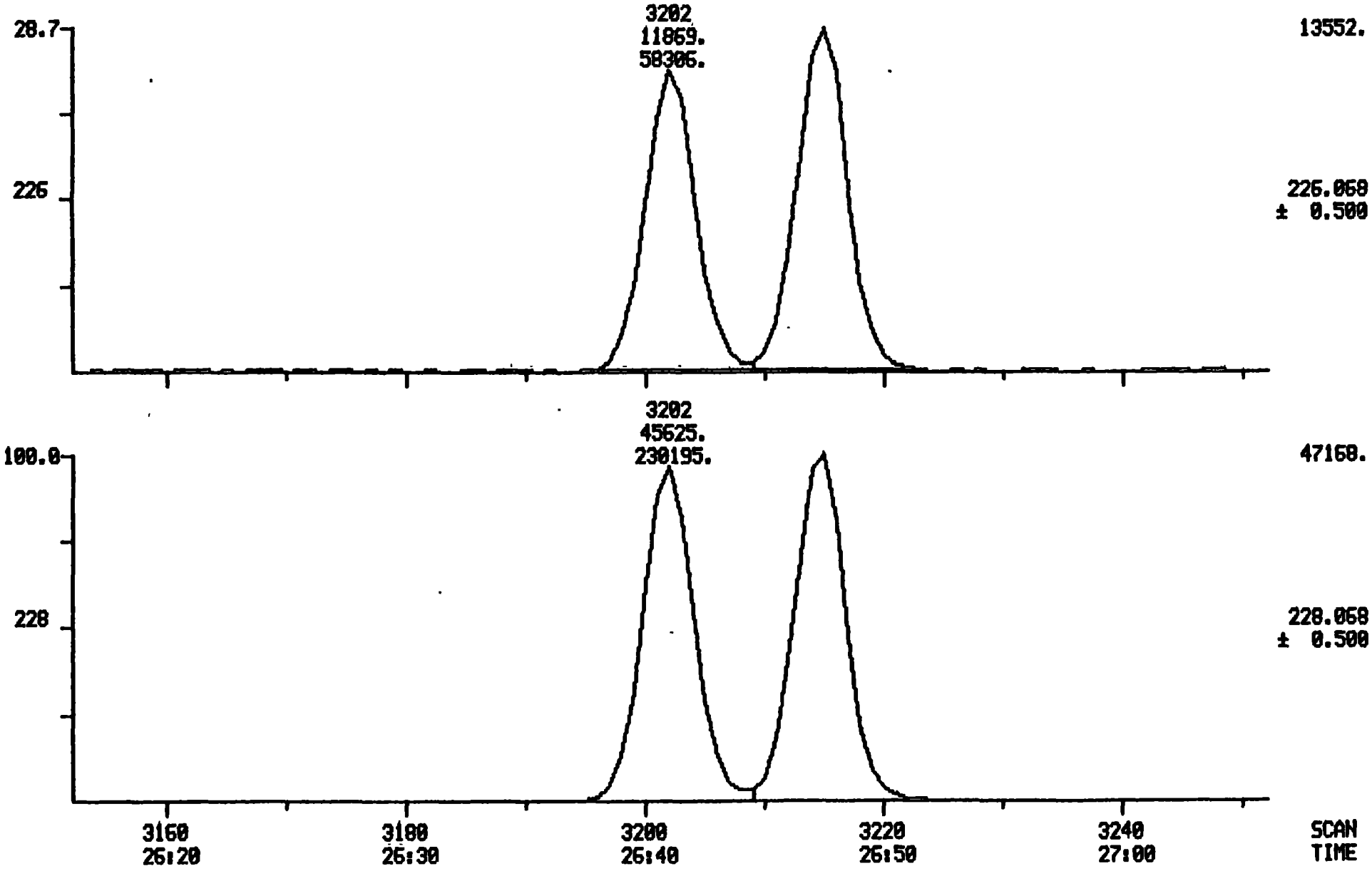


00785

MIDMASS CHROMATOGRAM DATA: STDX744 #3207 SCANS 3157 TO 3257
10/20/87 11:41:00 CALI: 102087CX #2
SAMPLE: 800 PPB PAH STD 10-19-87 MLB
CONDS.: GC DESC ST
D12-CHRYSENE 240SPH# 02
RANGE: G3200,3214 LABEL: N 2, 2.0 QUAN: A 2, 2.0 J 0 BASE: U 20, 3

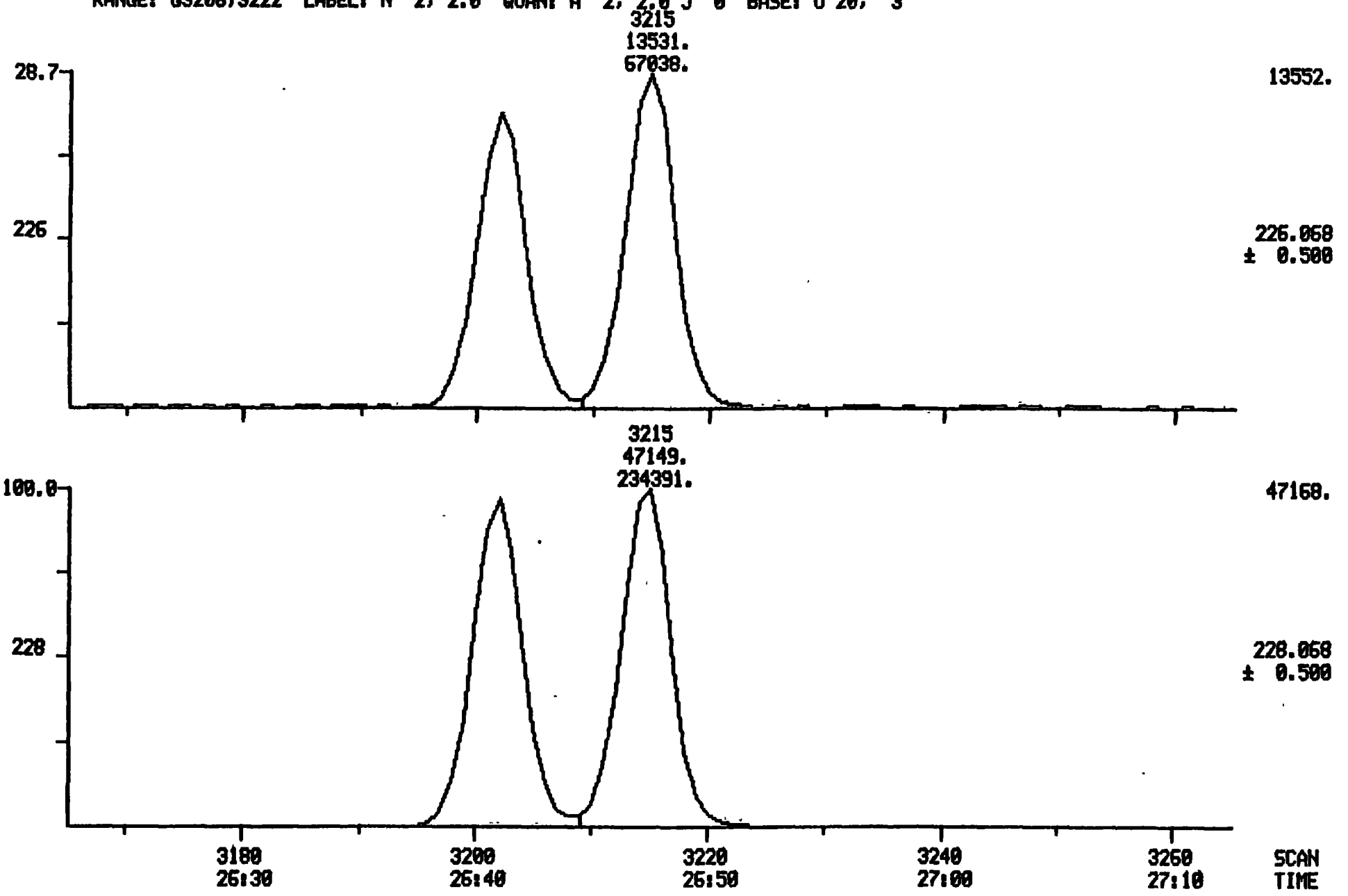


MIDMASS CHROMATOGRAMS DATA: STDX744 #3202 SCANS 3152 TO 3252
10/20/87 11:41:00 CALI: 102087CX #2
SAMPLE: 800 PPB PAH STD 10-19-87 MLB
CONDS.: GC DESC ST
BENZO(A)ANTHRACENE 228 PH# 03
RANGE: G3195,3209 LABEL: N 2, 2.0 QUAN: A 2, 2.0 J 0 BASE: U 20, 3



00780

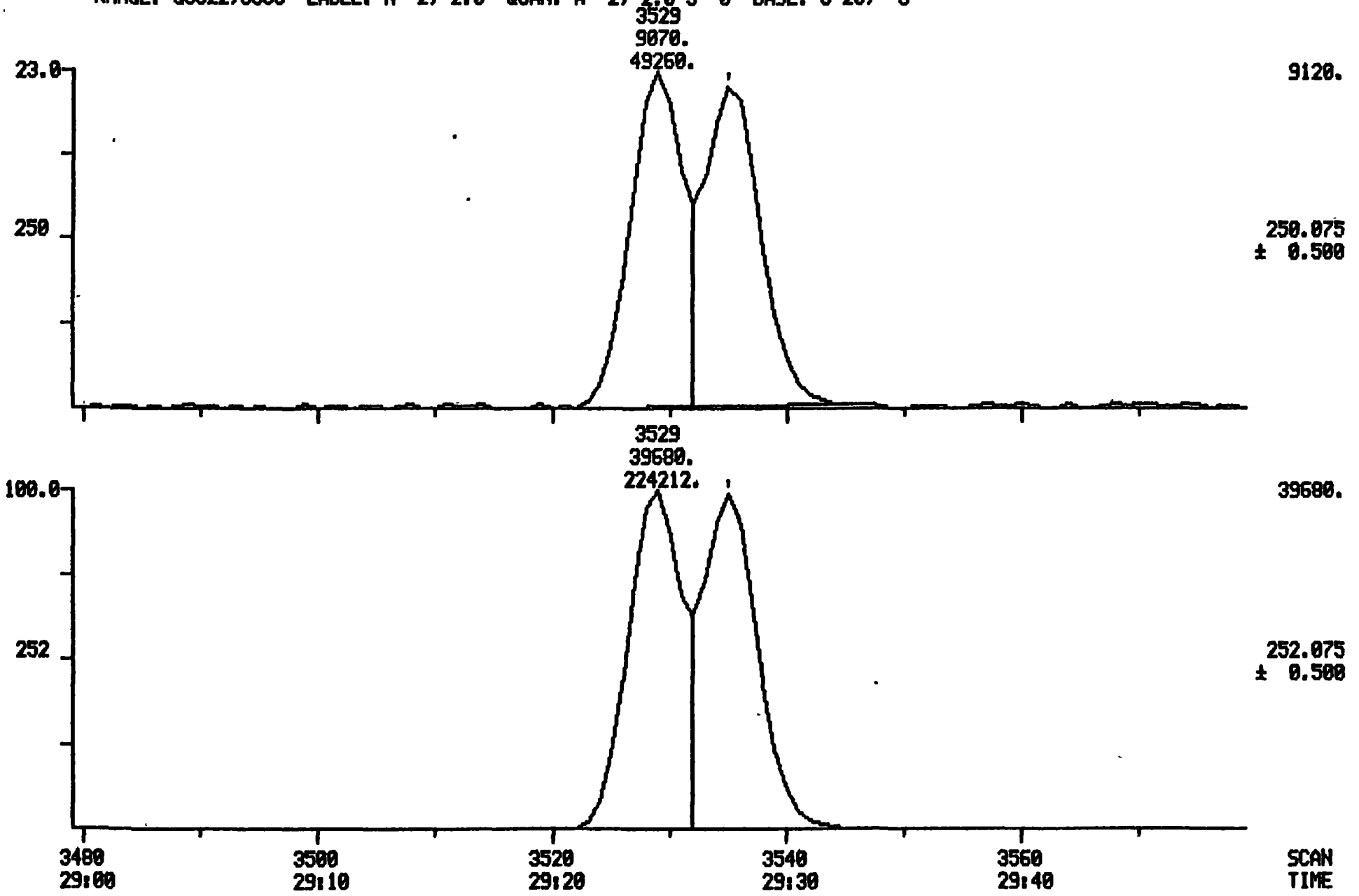
MIDMASS CHROMATOGRAMS DATA: STDX744 #3215 SCANS 3165 TO 3265
10/20/87 11:41:00 CALI: 102087CX #2
SAMPLE: 800 PPB PAH STD 10-19-87 MLB
CONDS.: GC DESC ST
CHRYSENE 228 PH# 05
RANGE: G3200,3222 LABEL: N 2, 2.0 QUAN: A 2, 2.0 J 0 BASE: U 20, 3



00787

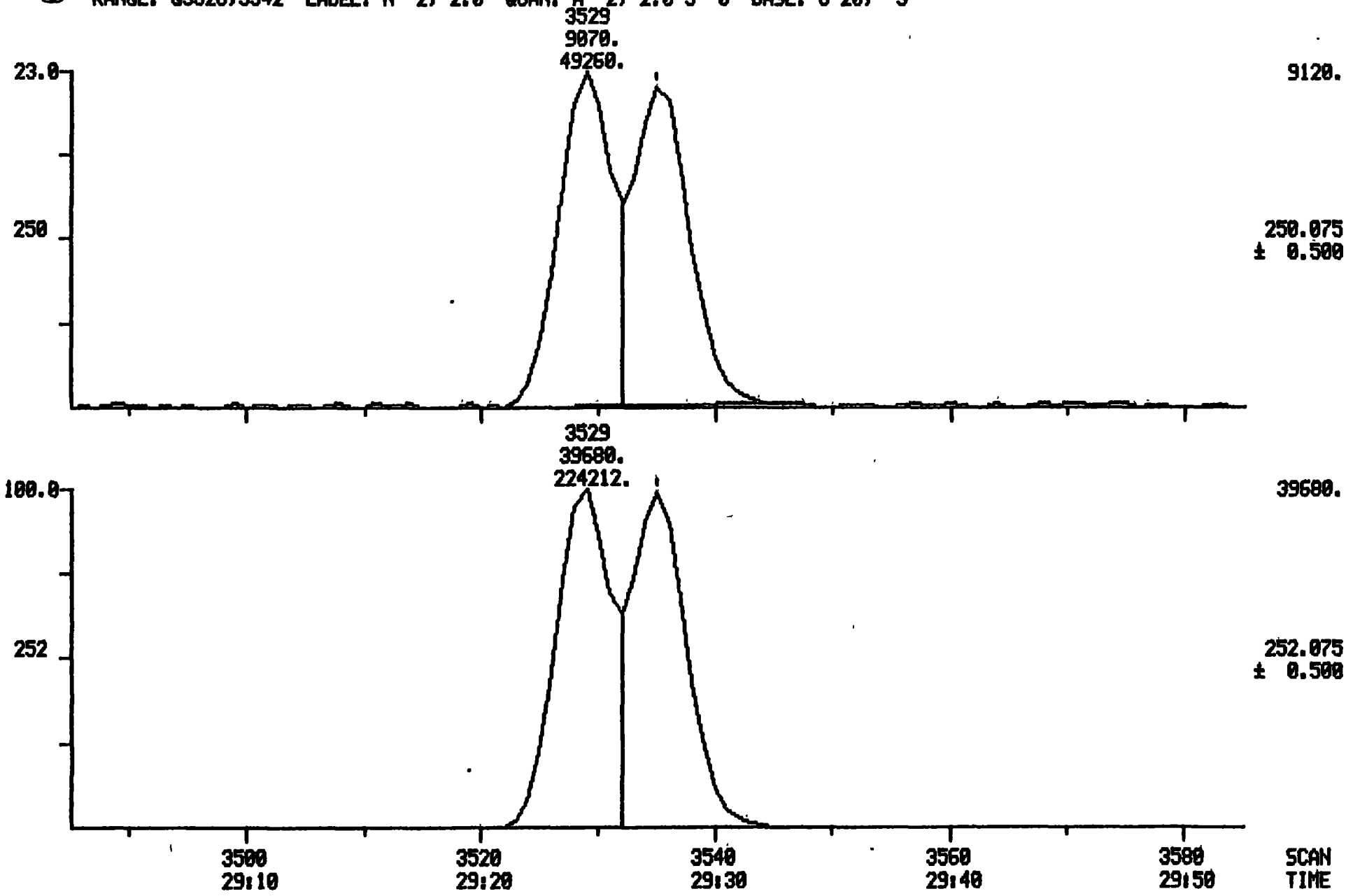
00788

MIDMASS CHROMATOGRAMS DATA: STDX744 #3529 SCANS 3479 TO 3579
10/20/87 11:41:00 CALI: 102087CX #2
SAMPLE: 800 PPB PAH STD 10-19-87 MLB
CONDS.: GC DESC ST
BENZO(B)FLUORANTHENE 252 PH# 07
RANGE: G3522,3536 LABEL: N 2, 2.0 QUAN: A 2, 2.0 J 0 BASE: U 20, 3



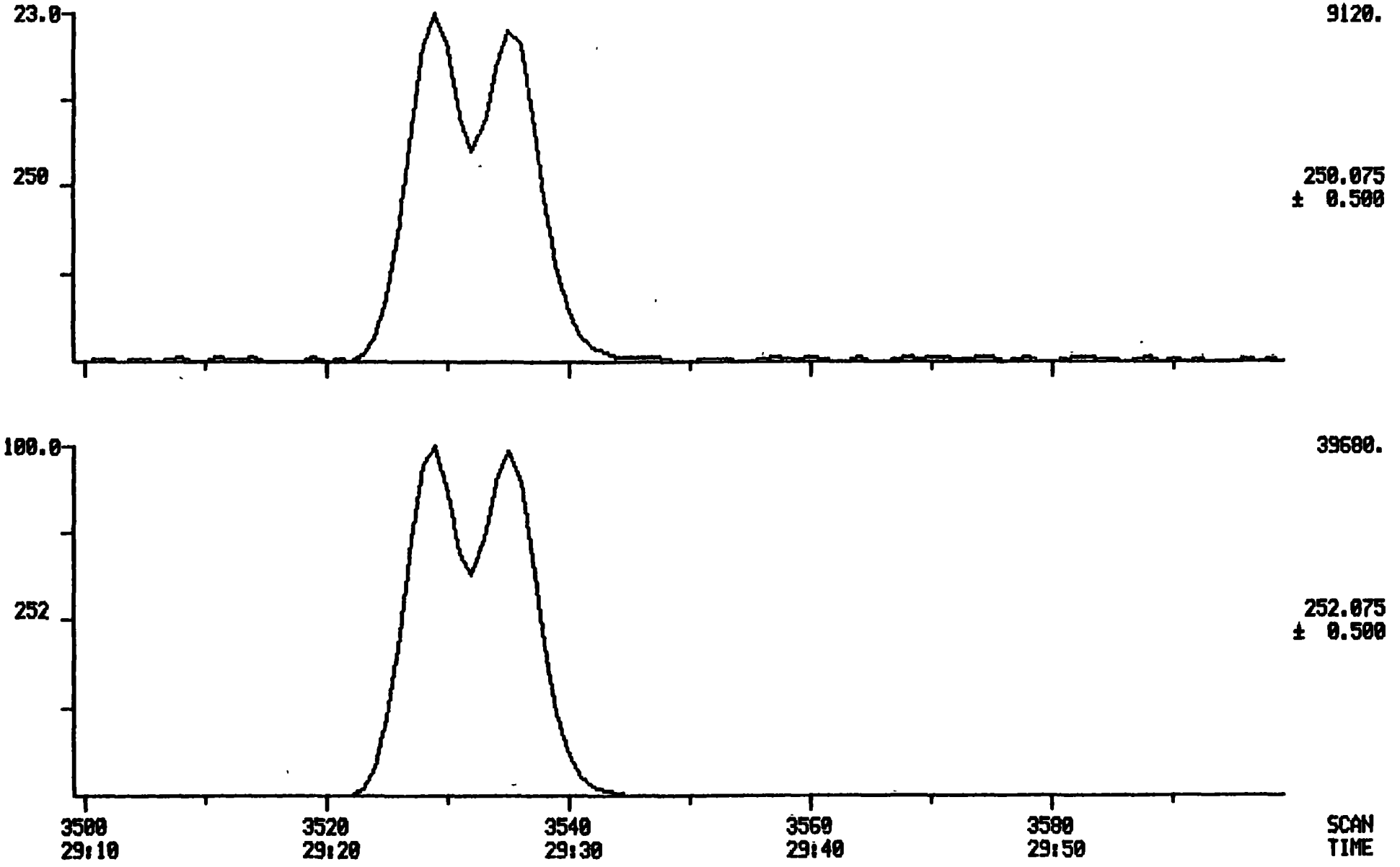
C0789

MIDMASS CHROMATOGRAMS DATA: STDX744 #3535 SCANS 3485 TO 3585
10/20/87 11:41:00 CALI: 102087CX #2
SAMPLE: 800 PPB PAH STD 10-19-87 MLB
CONDS.: GC DESC ST
BENZO(K)FLUORANTHENE 252 PH# 09
RANGE: G3528,3542 LABEL: N 2, 2.0 QUAN: A 2, 2.0 J 0 BASE: U 20, 3



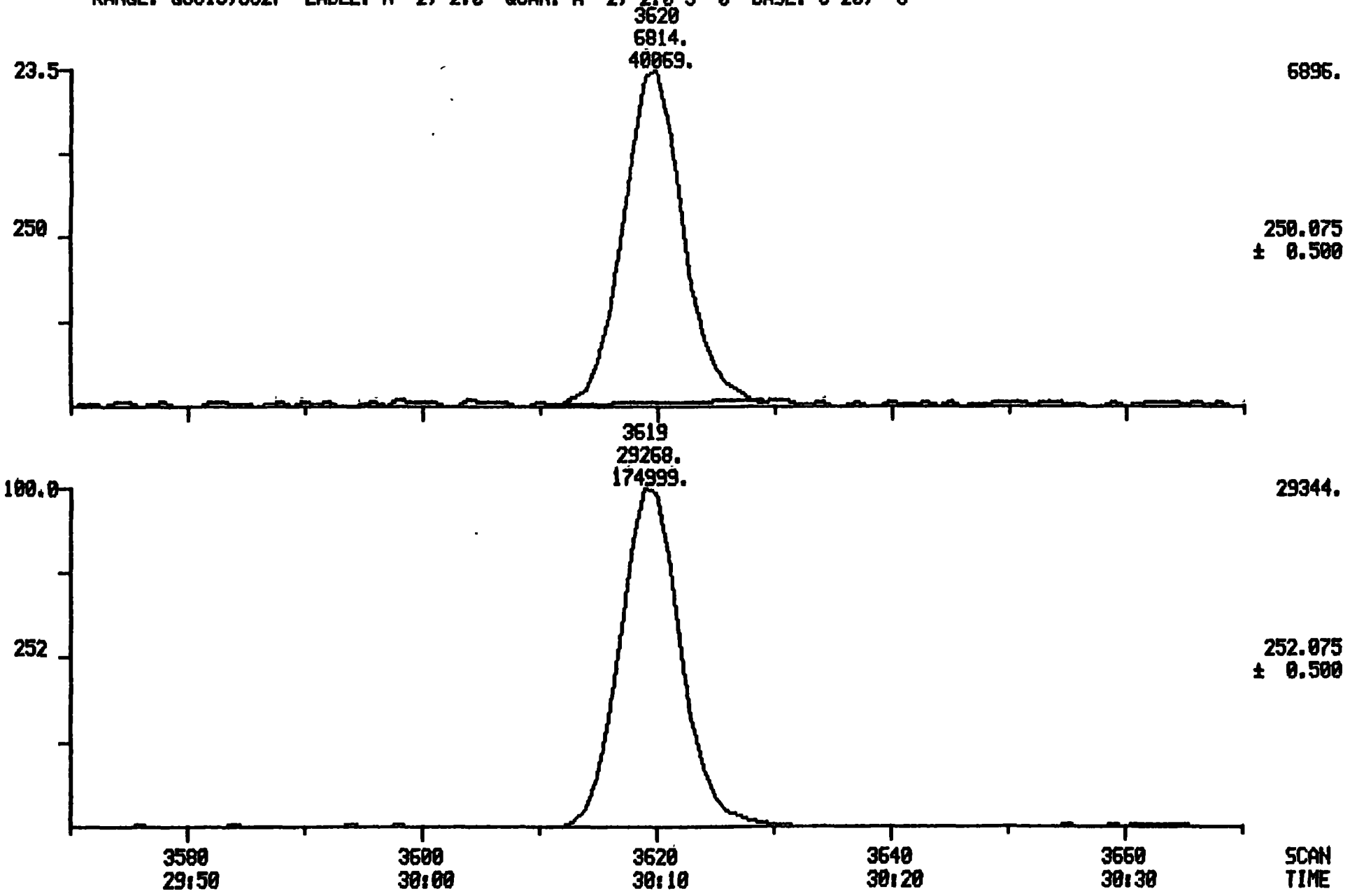
00790

MIDMASS CHROMATOGRAMS DATA: STDX744 #3549 SCANS 3499 TO 3599
10/20/87 11:41:00 CALI: 102087CX #2
SAMPLE: 800 PPB PAH STD 10-19-87 MLB
CONDS.: GC DESC ST
BENZO(J)FLUORANTHENE 252 PH# 11
RANGE: G3542,3556 LABEL: N 2, 2.0 QUAN: A 2, 2.0 J 0 BASE: U 20, 3



00791

MIDMASS CHROMATOGRAMS DATA: STDX744 #3620 SCANS 3570 TO 3670
10/20/87 11:41:00 CALI: 102087CX #2
SAMPLE: 800 PPB PAH STD 10-19-87 MLB
CONDS.: GC DESC ST
BENZO(A)PYRENE 252 PH# 13
RANGE: G3613,3627 LABEL: N 2, 2.0 QUAN: A 2, 2.0 J 0 BASE: U 20, 3



RMAL-GC/MS REILLY TAR & CHEMICAL CO. PROJECT PROCESSING PROGRAM
DATAFILE: D:STDX745. STARTED : 10/21/87 12:44:11

C.K
C0792

10/20/87 13:06:49 SCAN 1 OF 3800
Acquisition started

Acquire Run 0:STDX745 ACQUIRING
10/20/87 13:06:00 + 0:03 Free sectors: 27150 Scan: 7 of 3800
Sample: 400 PPB PAH STD 10-19-87 MLB
Conds.: GC DESC ST
Formula: MID Instrument: 4500 Weight: 0.000
Submitted by: RMAL Analyst: DC Acct. No:

********** GC PARAMETERS **********
Loaded GC Desc:ST Current GC oven tmp: 29 DegC Injector : 265 DegC
Current GC Desc:ST GC elapsed time : 0: 3 min Int. oven : 250 DegC

Seq. #	Temp(C)	Rate(C/m)	Time(min)	Total time(min)		Open	Close
1	30 - 30	-	1.0	1.0	Sweep/Split	0.5	0.0
2	30 - 325	10.0	29.5	30.5	Divert	40.5	0.0
3	325 - 325	-	10.0	40.5			
4	325 - 325	-	0.0	40.5			

********** SCAN PARAMETERS **********
***** Mode: Centroid positive ion + R1 (Temp)

MID scan Desc: P1 Mass intervals: 3
Scan time: 0.500 s Samp. int.: 0.200 ms Master rate: 1024

Int #	Lo mass	Hi mass	Time	MPW	MFW	MA	TH	BL	ION
1	225.500	226.500	0.105	1	100	0	1	1	Pos
2	227.500	228.500	0.105	1	100	0	1	1	Pos
3	239.500	240.500	0.105	1	100	0	1	1	Pos

Interface number	0	
Sub-interface number	0	
# of acqu buffers	16	
Instrument type	G	
Full scale mass	1024	u
Zero scale mass	1	u
Intensity/ion	2	
Peak Width	1000.	mmu
Offset at low mass	0	mmu
Offset at high mass	0	mmu
Voltage settling time(MS)	4	

10/20/87 13:35:14 SCAN 3407 OF 3800

MID scan Desc: P2 Mass intervals: 3
Scan time: 0.500 s Samp. Int.: 0.200 ms Master rate: 1024

Int #	Lo mass	Hi mass	Time	MPW	MFW	MA	TH	BL	ION
1	249.575	250.575	0.105	1	100	0	1	1	Pos
2	251.575	252.575	0.105	1	100	0	1	1	Pos
3	263.579	264.579	0.105	1	100	0	1	1	Pos

10/20/87 13:38:33
ACQUISITION COMPLETED
SCANS 1 TO 3406 Centroid
SCAN 3407 Suspended
SCANS 3408 TO 3800 Centroid

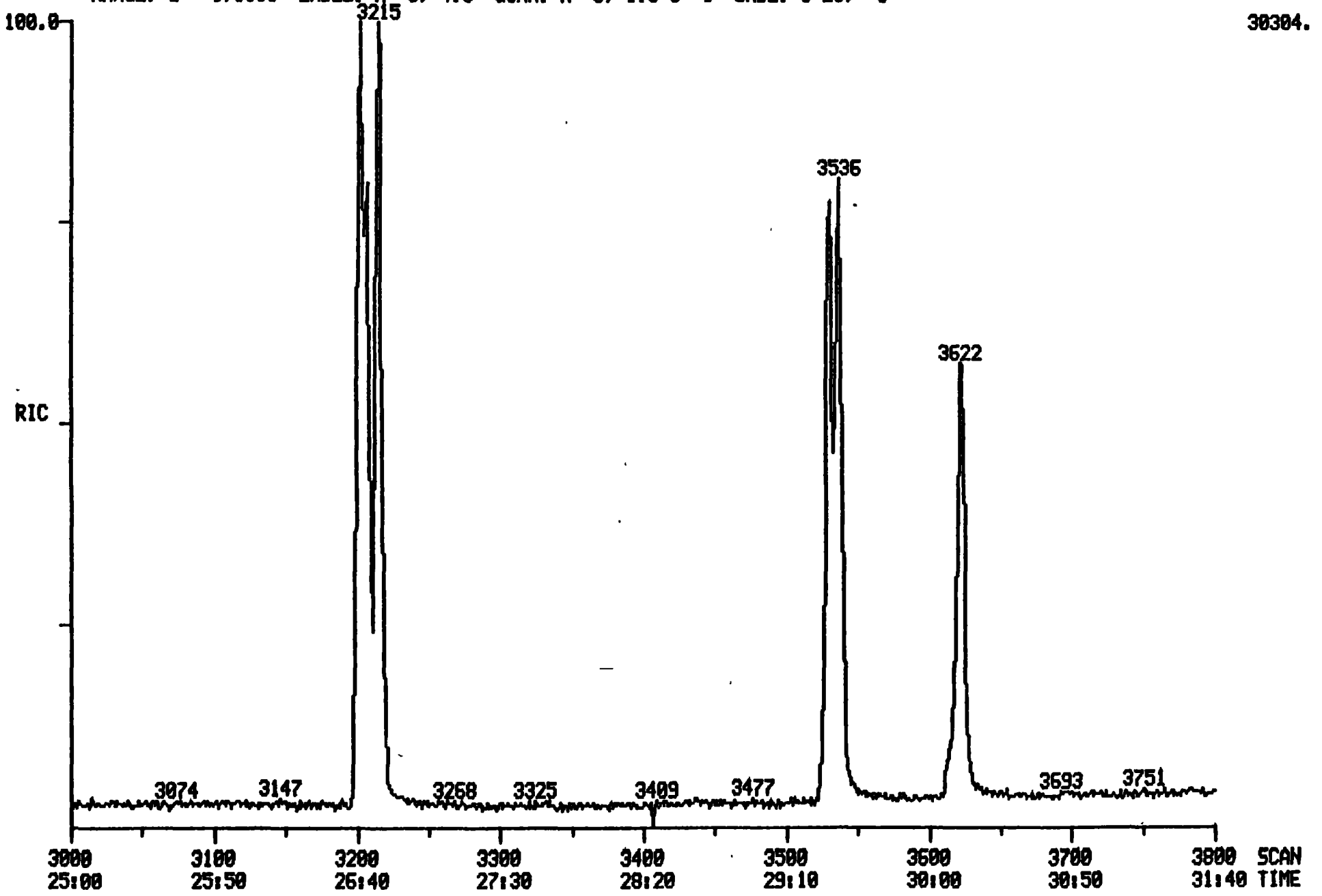
Mode	Scans	Secs	Out of	%	Peaks per scan	per sec
Centroid	3799	189.3	1899.5	10.0	14951. 4.	8.

00793

MIDRIC
10/20/87 13:06:00
SAMPLE: 400 PPB PAH STD 10-19-87 MLB
CONDS.: GC DESC ST
RANGE: G 1,3000 LABEL: N 0, 4.0 QUAN: A 0, 1.0 J 0 BASE: U 20, 3

DATA: STDX745 #1
CALI: 102087CX #2

SCANS 3000 TO 3800



Quantitation Report File: STDX745

Data: STDX745.TI
10/20/87 13:06:00
Sample: 400 PPB PAH STD 10-19-87 MLB
Conds.: GC DESC ST
Formula: MID Instrument: 4500 Weight: 0.000
Submitted by: RMAL Analyst: DC Acct. No.:

00794

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

No	Name	
1	D12-BENZO(A)PYRENE	264IPH# 01
2	D12-CHRYSENE	240SPH# 02
3	BENZO(A)ANTHRACENE	228 PH# 03
4	BENZO(A)ANTHRACENE	226 PH# 04
5	CHRYSENE	228 PH# 05
6	CHRYSENE	226 PH# 06
7	BENZO(B)FLUORANTHENE	252 PH# 07
8	BENZO(B)FLUORANTHENE	252 PH# 07
9	BENZO(B)FLUORANTHENE	250 PH# 08
10	BENZO(B)FLUORANTHENE	250 PH# 08
11	BENZO(K)FLUORANTHENE	252 PH# 09
12	BENZO(K)FLUORANTHENE	252 PH# 09
13	BENZO(K)FLUORANTHENE	250 PH# 10
14	BENZO(K)FLUORANTHENE	250 PH# 10
15	BENZO(A)PYRENE	252 PH# 13
16	BENZO(A)PYRENE	250 PH# 14

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount		%Tot
1	264	3615	30:07	1	1.000	A BB	11709.	80.000	NG/ML	1.14
2	240	3207	26:43	1	0.887	A BB	104805.	446.957	NG/ML	6.40
3	228	3202	26:41	1	0.886	A BV	111657.	497.539	NG/ML	7.12
4	226	3202	26:41	1	0.886	A BV	27860.	479.716	NG/ML	6.87
5	228	3215	26:47	1	0.889	A VB	114351.	478.379	NG/ML	6.85
6	226	3216	26:48	1	0.890	A VB	31303.	438.718	NG/ML	6.28
7	252	3530	29:25	1	0.976	A BV	100582.	442.018	NG/ML	6.33
8	252	3536	29:28	1	0.978	A VB	97762.	429.624	NG/ML	6.15
9	250	3530	29:25	1	0.976	A BV	22266.	460.321	NG/ML	6.59
10	250	3537	29:28	1	0.978	A VB	21785.	450.365	NG/ML	6.45
11	252	3530	29:25	1	0.976	A BV	100775.	482.364	NG/ML	6.90
12	252	3536	29:28	1	0.978	A VB	98455.	471.261	NG/ML	6.74
13	250	3530	29:25	1	0.976	A BV	22266.	460.135	NG/ML	6.59
14	250	3537	29:28	1	0.978	A VB	21785.	450.183	NG/ML	6.44
15	252	3622	30:11	1	1.002	A BB	80014.	475.577	NG/ML	6.81
16	250	3623	30:11	1	1.002	A BB	17842.	444.404	NG/ML	6.36

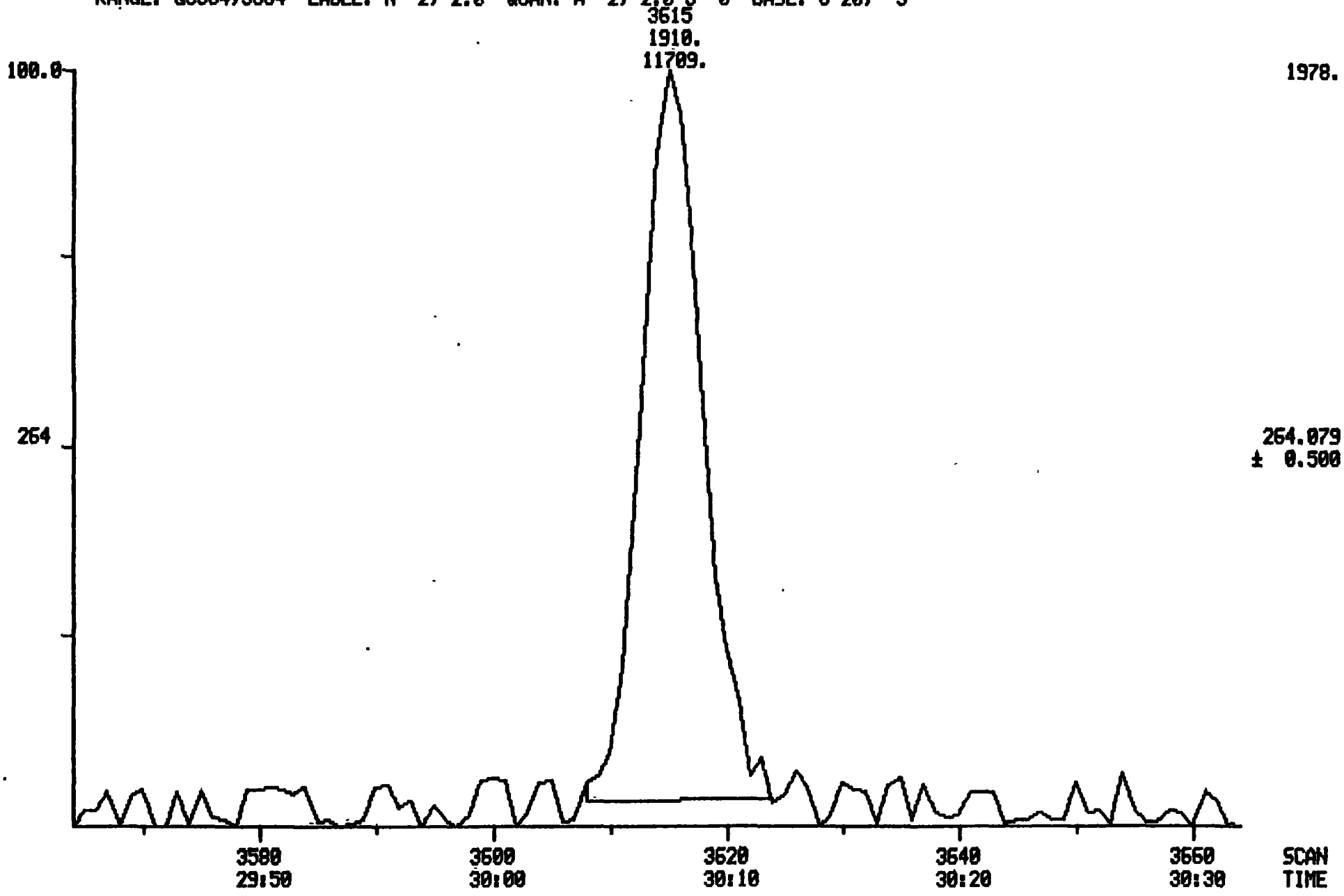
No	Ret(L)	Ratio	RRT(L)	Ratio	Amnt	Amnt(L)	R.Fac	R.Fac(L)	Ratio
1	30:07	1.00	1.000	1.00	80.00	80.00	1.000	1.000	1.00
2	26:44	1.00	0.888	1.00	446.96	80.00	8.951	1.602	5.59
3	26:41	1.00	0.886	1.00	497.54	80.00	9.536	1.533	6.22
4	26:42	1.00	0.887	1.00	479.72	80.00	2.379	0.397	6.00
5	26:48	1.00	0.890	1.00	478.38	80.00	9.766	1.633	5.98
6	26:48	1.00	0.890	1.00	438.72	80.00	2.673	0.488	5.48
7	29:25	1.00	0.977	1.00	442.02	80.00	8.590	1.555	5.53

No	Ret(L)	Ratio	RRT(L)	Ratio	Amnt	Amnt(L)	R. Fac	R. Fac(L)	Ratio
8	29:25	1.00	0.977	1.00	429.62	80.00	8.349	1.555	5.37
9	29:25	1.00	0.977	1.00	460.32	80.00	1.902	0.330	5.75
10	29:25	1.00	0.977	1.00	450.37	80.00	1.861	0.330	5.63
11	29:28	1.00	0.978	1.00	482.36	80.00	8.607	1.427	6.03
12	29:28	1.00	0.978	1.00	471.26	80.00	8.408	1.427	5.89
13	29:28	1.00	0.978	1.00	460.13	80.00	1.902	0.331	5.75
14	29:28	1.00	0.978	1.00	450.18	80.00	1.861	0.331	5.63
15	30:10	1.00	1.002	1.00	475.58	80.00	6.834	1.150	5.94
16	30:10	1.00	1.002	1.00	444.40	80.00	1.524	0.274	5.56

00795

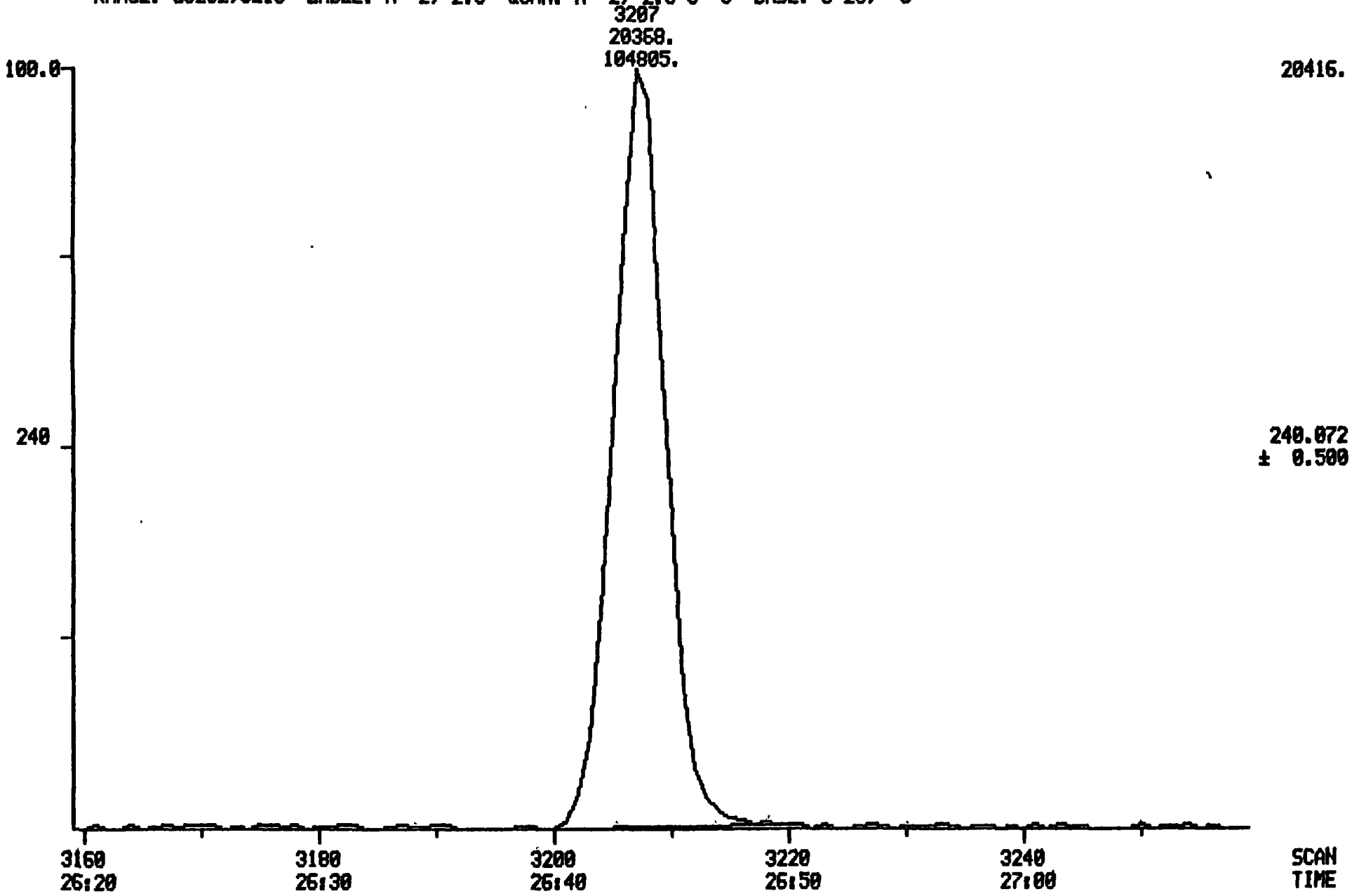
00796

MIDMASS CHROMATOGRAM DATA: STDX745 #3614 SCANS 3564 TO 3664
10/20/87 13:06:00 CALI: 102087CX #2
SAMPLE: 400 PPB PAH STD 10-19-87 MLB
CONDS.: GC DESC ST
D12-BENZO(A)PYRENE 264IPH# 01
RANGE: G3564,3664 LABEL: N 2, 2.0 QUAN: A 2, 2.0 J 0 BASE: U 20, 3

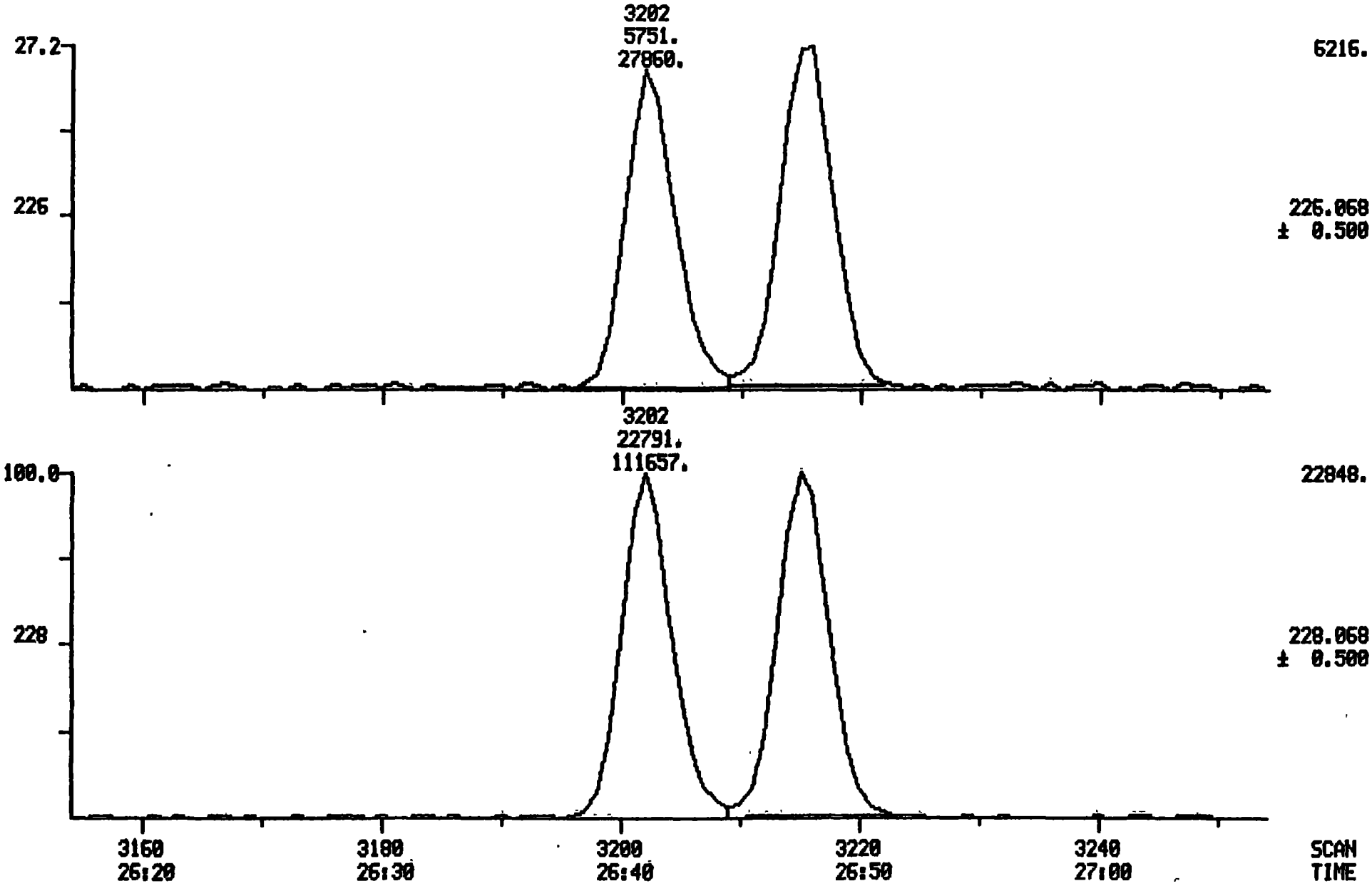


00797

MIDMASS CHROMATOGRAM DATA: STDX745 #3209 SCANS 3159 TO 3259
10/20/87 13:06:00 CALI: 102087CX #2
SAMPLE: 400 PPB PAH STD 10-19-87 MLB
CONDS.: GC DESC ST
D12-CHRYSENE 240SPH# 02
RANGE: G3202,3216 LABEL: N 2, 2.0 QUAN: A 2, 2.0 J 0 BASE: U 20, 3

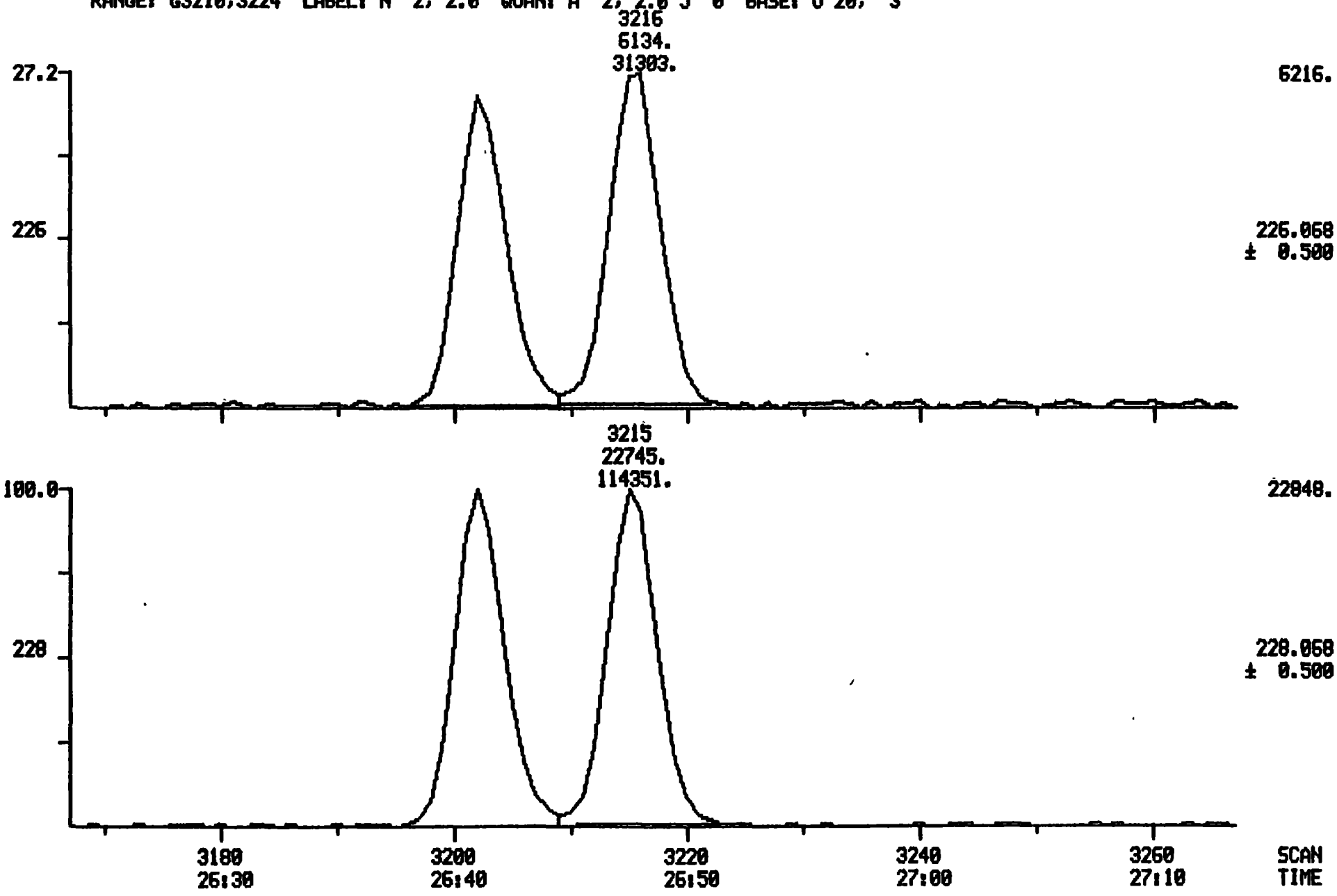


MIDMASS CHROMATOGRAMS DATA: STDX745 #3204 SCANS 3154 TO 3254
10/20/87 13:06:00 CALI: 102087CX #2
SAMPLE: 400 PPB PAH STD 10-19-87 MLB
CONDS.: GC DESC ST
BENZO(A)ANTHRACENE 228 PH# 03
RANGE: G3197,3211 LABEL: N 2, 2.0 QUAN: A 2, 2.0 J 0 BASE: U 20, 3



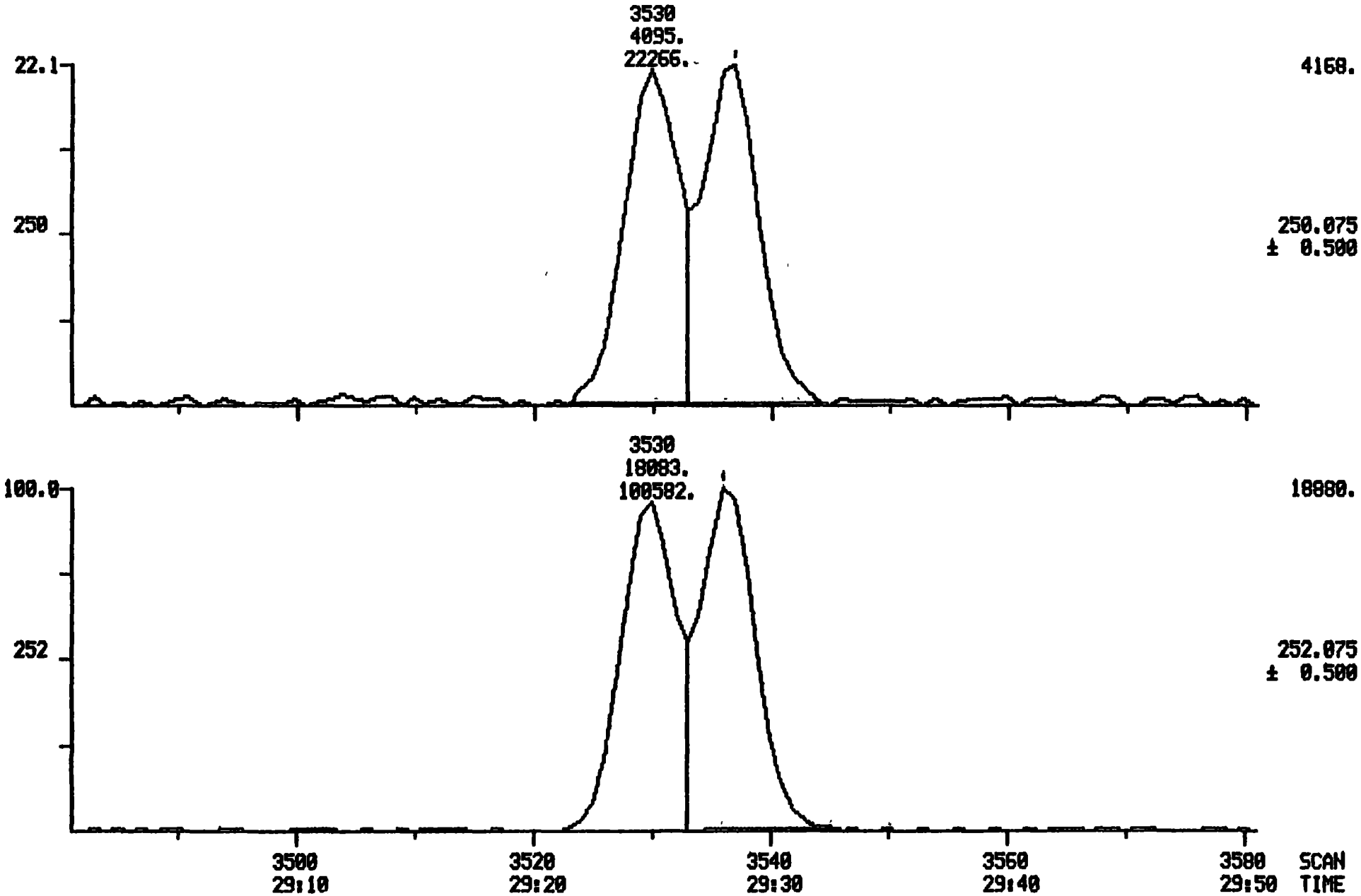
867100

MIDMASS CHROMATOGRAMS DATA: STDX745 #3217 SCANS 3167 TO 3267
10/20/87 13:06:00 CALI: 102087CX #2
SAMPLE: 400 PPB PAH STD 10-19-87 MLB
CONDS.: GC DESC ST
CHRYSENE 228 PH# 05
RANGE: G3210,3224 LABEL: N 2, 2.0 QUAN: A 2, 2.0 J 0 BASE: U 20, 3

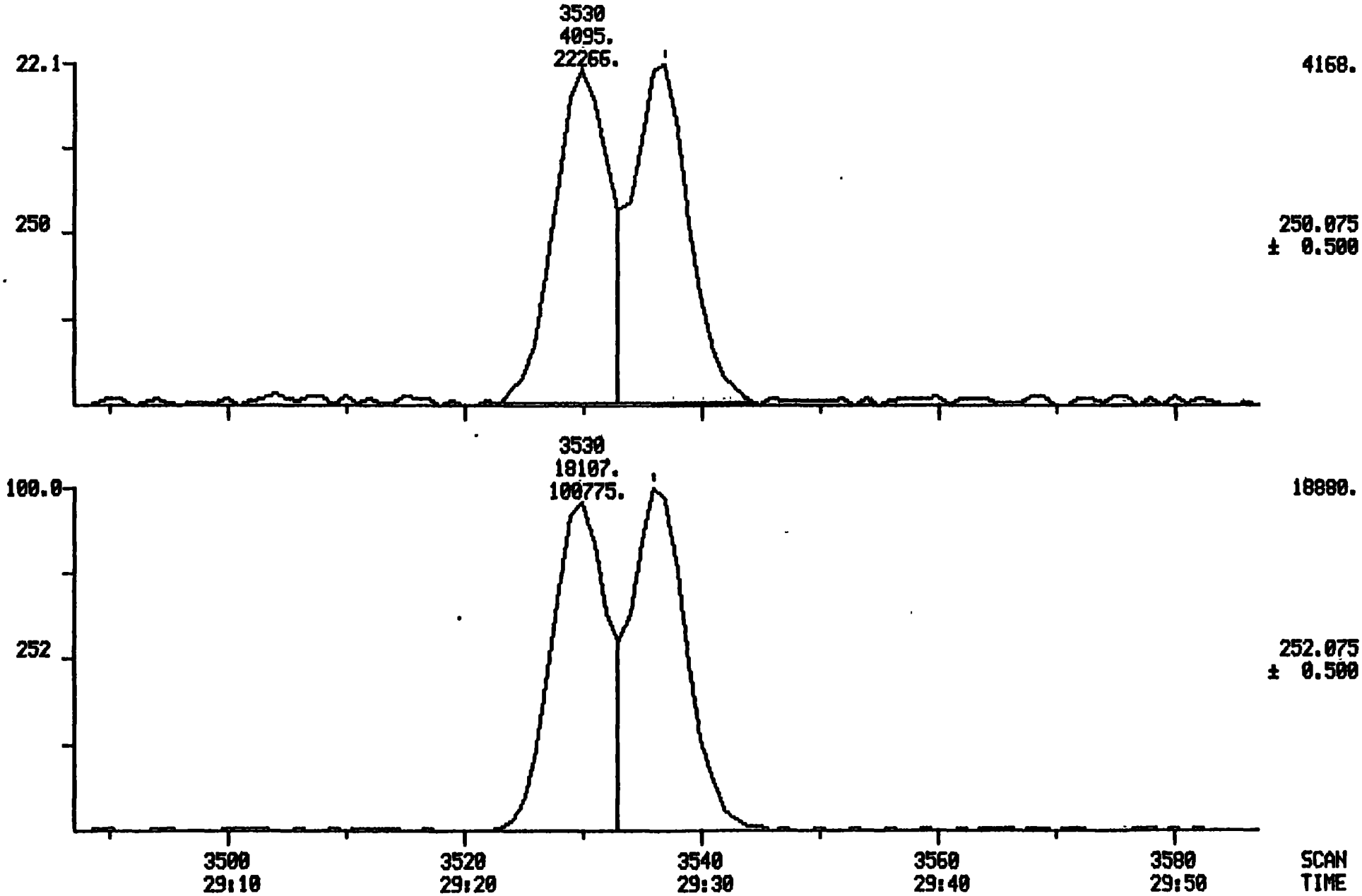


00799

MIDMASS CHROMATOGRAMS DATA: STDX745 #3531 SCANS 3481 TO 3581
10/20/87 13:06:00 CALI: 102087CX #2
SAMPLE: 400 PPB PAH STD 10-19-87 MLB
CONDS.: GC DESC ST
BENZO(B)FLUORANTHENE 252 PH# 07
RANGE: G3524,3538 LABEL: N 2, 2.0 QUAN: A 2, 2.0 J 0 BASE: U 20, 3

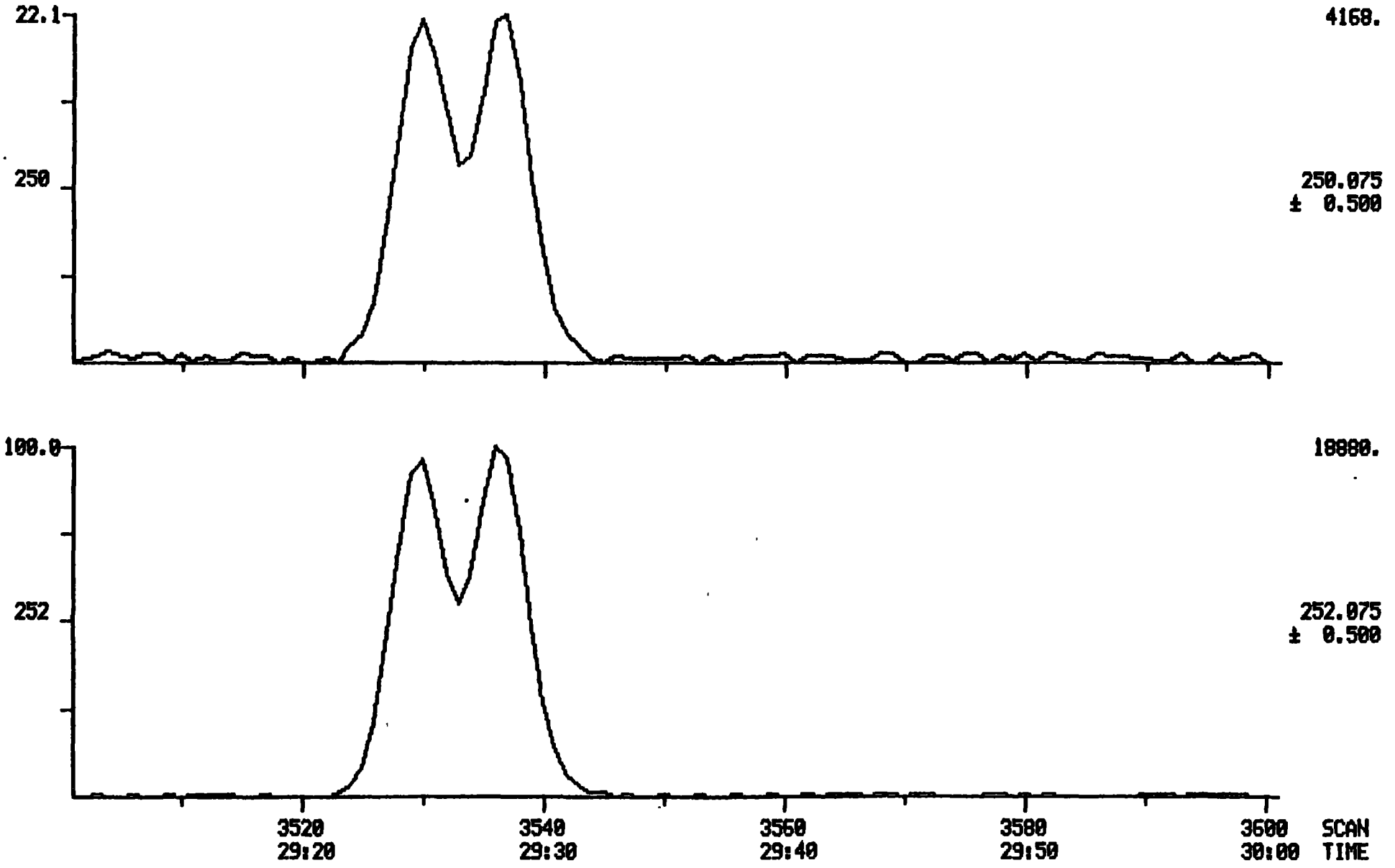


MIDMASS CHROMATOGRAMS DATA: STDX745 #3537 SCANS 3487 TO 3587
10/20/87 13:06:00 CALI: 102087CX #2
SAMPLE: 400 PPB PAH STD 10-19-87 MLB
CONDS.: GC DESC ST
BENZO(K)FLUORANTHENE 252 PH# 09
RANGE: G3530,3544 LABEL: N 2, 2.0 QUAN: A 2, 2.0 J 0 BASE: U 20, 3



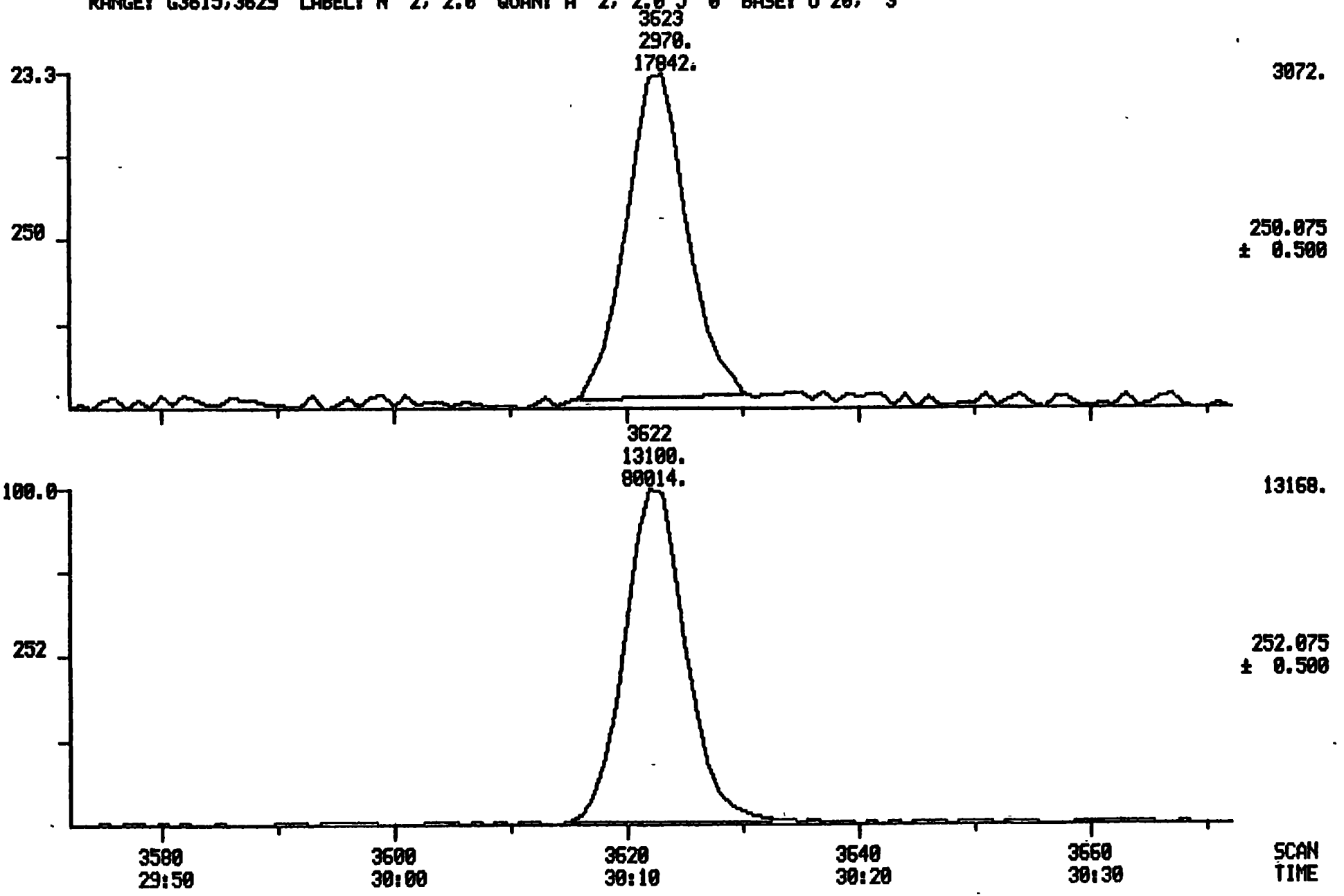
00302

MIDMASS CHROMATOGRAMS DATA: STDX745 #3551 SCANS 3501 TO 3601
10/20/87 13:06:00 CALI: 102087CX #2
SAMPLE: 400 PPB PAH STD 10-19-87 MLB
CONDS.: GC DESC ST
BENZO(J)FLUORANTHENE 252 PH# 11
RANGE: G3544,3558 LABEL: N 2, 2.0 QUAN: A 2, 2.0 J 0 BASE: U 20, 3



00803

MIDMASS CHROMATOGRAMS DATA: STDX745 #3622 SCANS 3572 TO 3672
10/20/87 13:06:00 CALI: 102087CX #2
SAMPLE: 400 PPB PAH STD 10-19-87 MLB
CONDS.: GC DESC ST
BENZO(A)PYRENE 252 PH# 13
RANGE: G3615,3629 LABEL: N 2, 2.0 QUAN: A 2, 2.0 J 0 BASE: U 20, 3



RMAL-GC/MS REILLY TAR & CHEMICAL CO. PROJECT PROCESSING PROGRAM
DATAFILE: D:STDX746. STARTED : 10/21/87 11:53:28

OK
Repull
Chrysene
HCS

10/20/87 13:53:47 SCAN 1 OF 3800
Acquisition started

Acquire Run 0:STDX746 ACQUIRING
10/20/87 13:53:00 + 0:03 Free sectors: 26888 Scan: 7 of 3800 00804
Sample: 200 PPB PAH STD 10-19-87 MLB
Conds.: GC DESC ST
Formula: MID Instrument: 4500 Weight: 0.000
Submitted by: RMAL Analyst: DC Acct. No:

********** QC PARAMETERS **********
Loaded GC Desc:ST Current GC oven tmp: 29 DegC Injector : 265 DegC
Current GC Desc:ST GC elapsed time : 0: 3 min Int. oven : 250 DegC

Seq.#	Temp(C)	Rate(C/m)	Time(min)	Total time(min)		Open	Close
1	30 - 30	-	1.0	1.0	Sweep/Split	0.5	0.0
2	30 - 325	10.0	29.5	30.5	Divert	40.5	0.0
3	325 - 325	-	10.0	40.5			
4	325 - 325	-	0.0	40.5			

********** SCAN PARAMETERS **********
***** Mode: Centroid positive ion + R1 (Temp)

MID scan Desc: P1 Mass intervals: 3
Scan time: 0.500 s Samp. int.: 0.200 ms Master rate: 1024

Int #	Lo mass	Hi mass	Time	MPW	MFW	MA	TH	BL	ION
1	225.500	226.500	0.105	1	100	0	1	1	Pos
2	227.500	228.500	0.105	1	100	0	1	1	Pos
3	239.500	240.500	0.105	1	100	0	1	1	Pos

Interface number	0	
Sub-interface number	0	
# of acqu buffers	16	
Instrument type	G	
Full scale mass	1024	u
Zero scale mass	1	u
Intensity/ion	2	
Peak Width	1000.	mmu
Offset at low mass	0	mmu
Offset at high mass	0	mmu
Voltage settling time(MS)	4	

10/20/87 14:22:12 SCAN 3407 OF 3800

MID scan Desc: P2 Mass intervals: 3
Scan time: 0.500 s Samp. Int.: 0.200 ms Master rate: 1024

Int #	Lo mass	Hi mass	Time	MPW	MFW	MA	TH	BL	ION
1	249.575	250.575	0.105	1	100	0	1	1	Pos
2	251.575	252.575	0.105	1	100	0	1	1	Pos
3	263.579	264.579	0.105	1	100	0	1	1	Pos

10/20/87 14:25:31
ACQUISITION COMPLETED
SCANS 1 TO 3406 Centroid
SCAN 3407 Suspended
SCANS 3408 TO 3800 Centroid

Mode	Scans	Secs	Out of	%	Peaks per scan	per sec
Centroid	3798	192.2	1899.5	10.1	15196	4	8

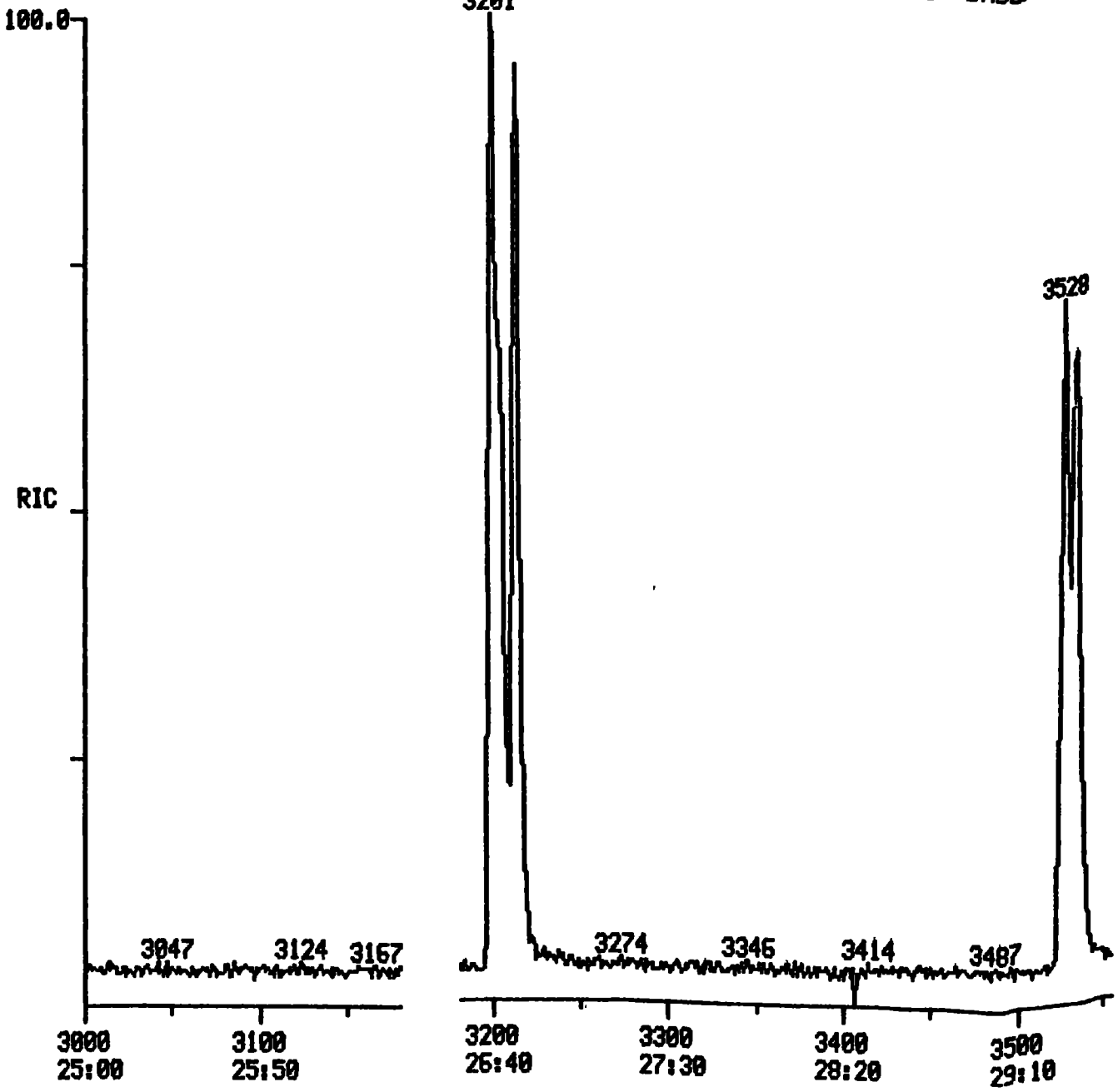
00805

MIDRIC
10/20/87 13:53:00
SAMPLE: 200 PPB PAH 5
CONDS.: GC DESC ST
RANGE: G 1,3000 LAB

DATA: STDX746 #1
CALI: 102087CX #2
TD 10-19-87 MLB

SCANS 3000

EL: N 0, 4.0 QUAN: A 0, 1.0 J 0 BASE: U 20,



TO

3

20096.

3619

3672

3706

3779

3700
30:50

3800
31:40

SCAN
TIME

Quantitation Report File: STDX746

Data: STDX746.TI
10/20/87 13:53:00
Sample: 200 PPB PAH STD 10-19-87 MLB
Conds.: QC DESC ST
Formula: MID Instrument: 4500 Weight: 0.000
Submitted by: RMAL Analyst: DC Acct. No.:

00807

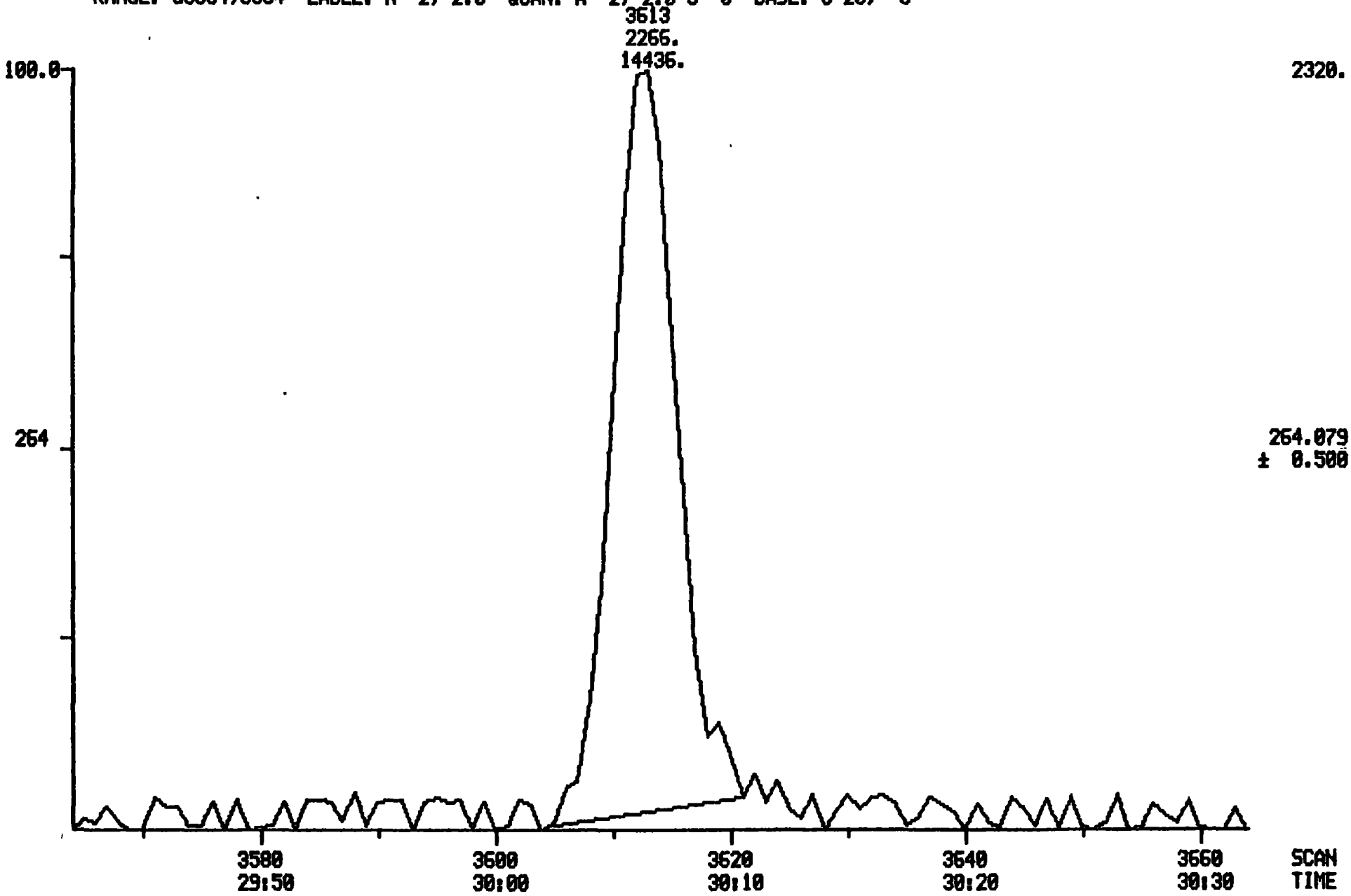
AMOUNT=AREA * REF AMNT/(REF AREA * RESP FACT)
Resp. fac. from Library Entry

No	Name	
1	D12-BENZO(A)PYRENE	264IPH# 01
2	D12-CHRYSENE	240SPH# 02
3	BENZO(A)ANTHRACENE	228 PH# 03
4	BENZO(A)ANTHRACENE	226 PH# 04
5	CHRYSENE	228 PH# 05
6	CHRYSENE	226 PH# 06
7	BENZO(B)FLUORANTHENE	252 PH# 07
8	BENZO(B)FLUORANTHENE	250 PH# 08
9	BENZO(K)FLUORANTHENE	252 PH# 09
10	BENZO(K)FLUORANTHENE	250 PH# 10
11	BENZO(A)PYRENE	252 PH# 13
12	BENZO(A)PYRENE	250 PH# 14

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount		%Tot
1	264	3613	30:06	1	1.000	A BB	14436.	80.000	NG/ML	3.19
2	240	3206	26:43	1	0.887	A BB	60600.	209.623	NG/ML	8.36
3	228	3201	26:40	1	0.886	A BV	65688.	237.414	NG/ML	9.47
4	226	3201	26:40	1	0.886	A BV	16302.	227.681	NG/ML	9.08
5	228	3215	26:47	1	0.890	A VB	66948.	227.168	NG/ML	9.06
6	226	3215	26:47	1	0.890	A VB	19032.	216.353	NG/ML	8.63
7	252	3527	29:23	1	0.976	A BV	61198.	218.142	NG/ML	8.70
8	250	3528	29:24	1	0.976	A BV	13340.	223.696	NG/ML	8.93
9	252	3535	29:27	1	0.978	A VB	56554.	219.569	NG/ML	8.76
10	250	3535	29:27	1	0.978	A VB	12133.	203.365	NG/ML	8.11
11	252	3619	30:09	1	1.002	A BB	47343.	228.240	NG/ML	9.11
12	250	3620	30:10	1	1.002	A BB	10641.	214.992	NG/ML	8.58

No	Ret(L)	Ratio	RRT(L)	Ratio	Amnt	Amnt(L)	R.Fac	R.Fac(L)	Ratio
1	30:07	1.00	1.000	1.00	80.00	80.00	1.000	1.000	1.00
2	26:44	1.00	0.888	1.00	209.62	200.00	1.679	1.602	1.05
3	26:41	1.00	0.886	1.00	237.41	200.00	1.820	1.533	1.19
4	26:42	1.00	0.887	1.00	227.68	200.00	0.452	0.397	1.14
5	26:48	1.00	0.890	1.00	227.17	200.00	1.855	1.633	1.14
6	26:48	1.00	0.890	1.00	216.35	200.00	0.527	0.488	1.08
7	29:25	1.00	0.977	1.00	218.14	200.00	1.696	1.555	1.09
8	29:25	1.00	0.977	1.00	223.70	200.00	0.370	0.330	1.12
9	29:28	1.00	0.978	1.00	219.57	200.00	1.567	1.427	1.10
10	29:28	1.00	0.978	1.00	203.36	200.00	0.336	0.331	1.02
11	30:10	1.00	1.002	1.00	228.24	200.00	1.312	1.150	1.14
12	30:10	1.00	1.002	1.00	214.99	200.00	0.295	0.274	1.07

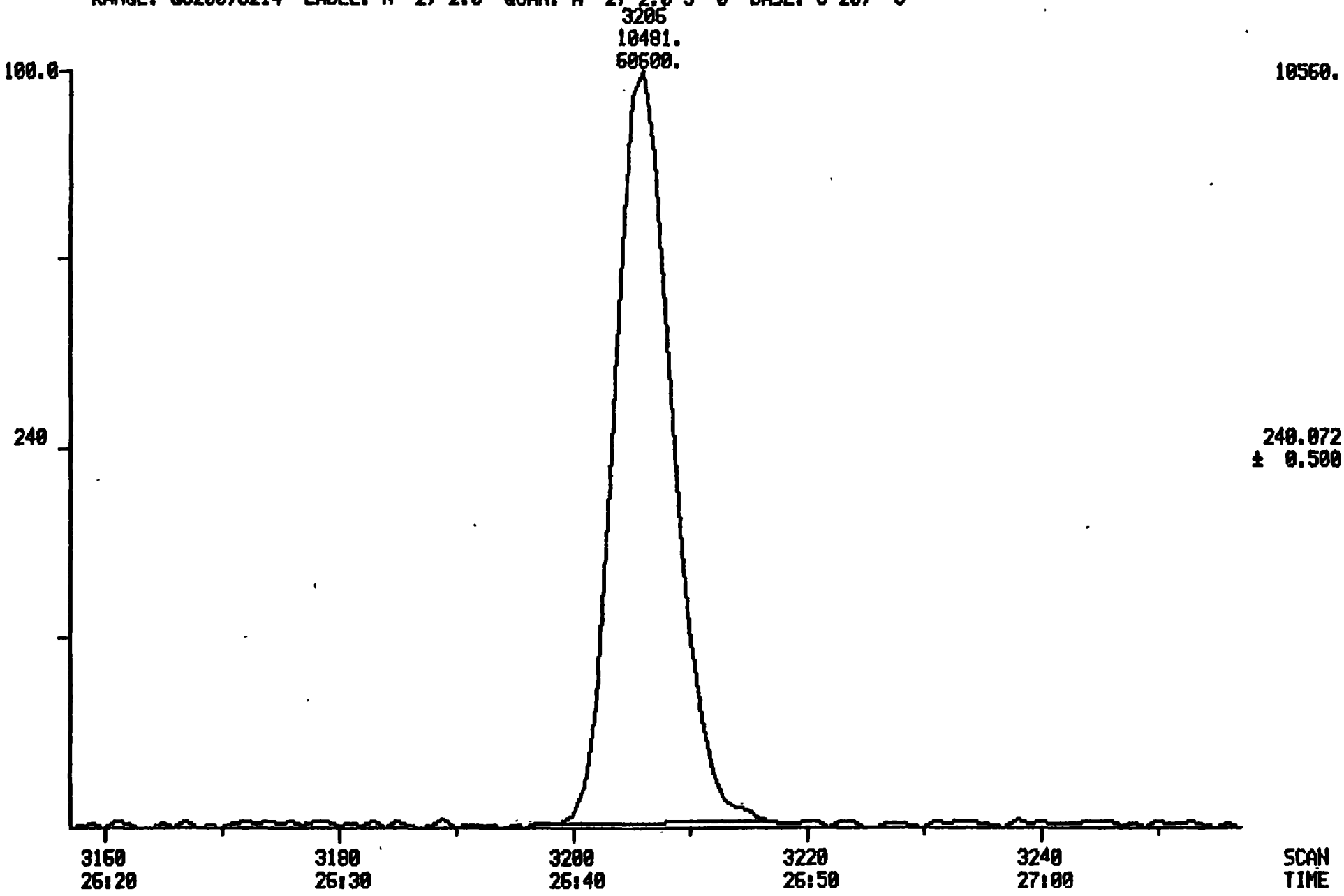
MIDMASS CHROMATOGRAM DATA: STDX746 #3614 SCANS 3564 TO 3664
10/20/87 13:53:00 CALI: 102087CX #2
SAMPLE: 200 PPB PAH STD 10-19-87 MLB
CONDS.: GC DESC ST
D12-BENZO(A)PYRENE 264IPH# 01
RANGE: G3564,3664 LABEL: N 2, 2.0 QUAN: A 2, 2.0 J 0 BASE: U 20, 3



00806

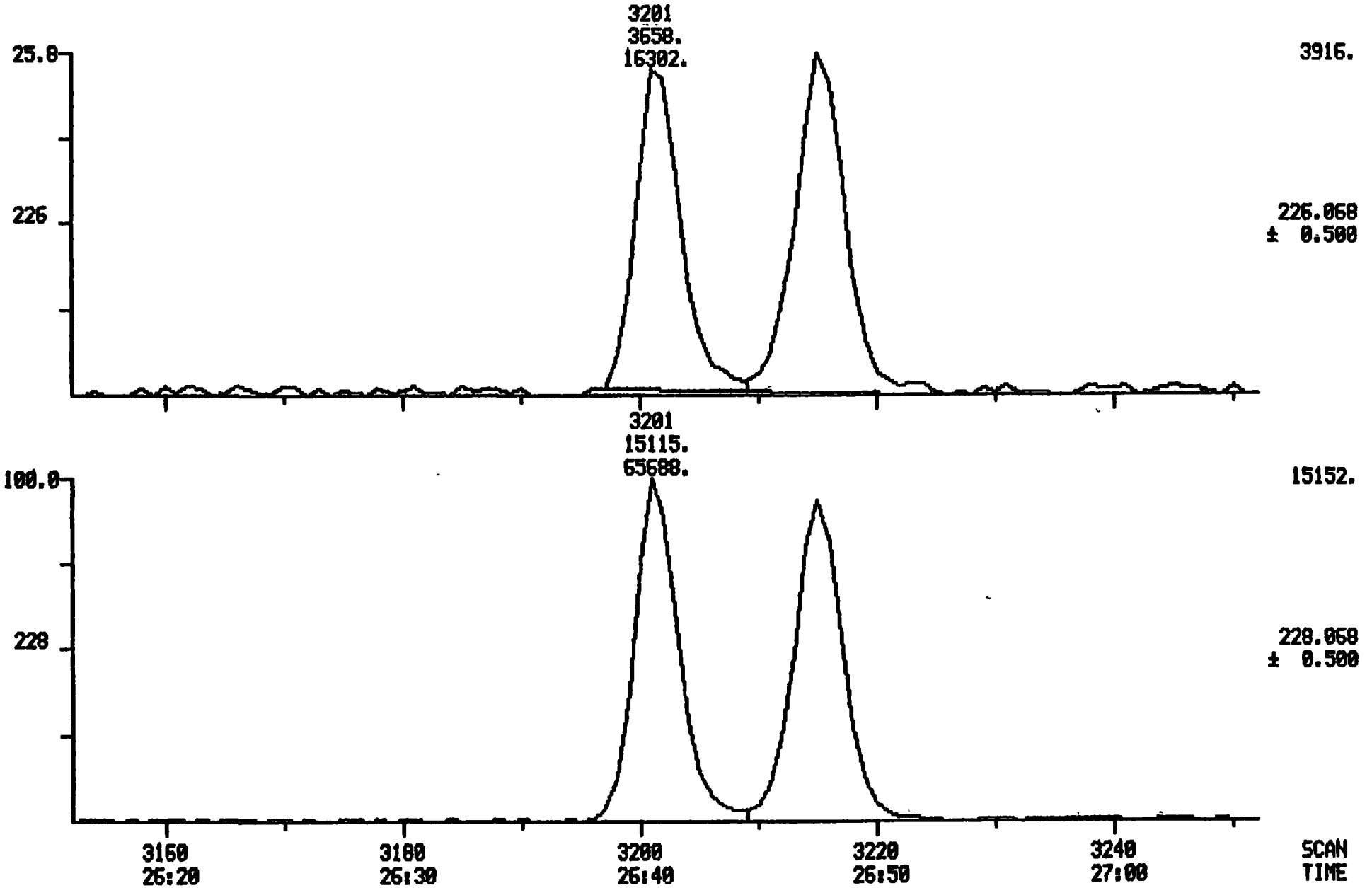
00809

MIDMASS CHROMATOGRAM DATA: STDX746 #3207 SCANS 3157 TO 3257
10/20/87 13:53:00 CALI: 102087CX #2
SAMPLE: 200 PPB PAH STD 10-19-87 MLB
CONDS.: GC DESC ST
D12-CHRYSENE 240SPH# 02
RANGE: G3200,3214 LABEL: N 2, 2.0 QUAN: A 2, 2.0 J 0 BASE: U 20, 3



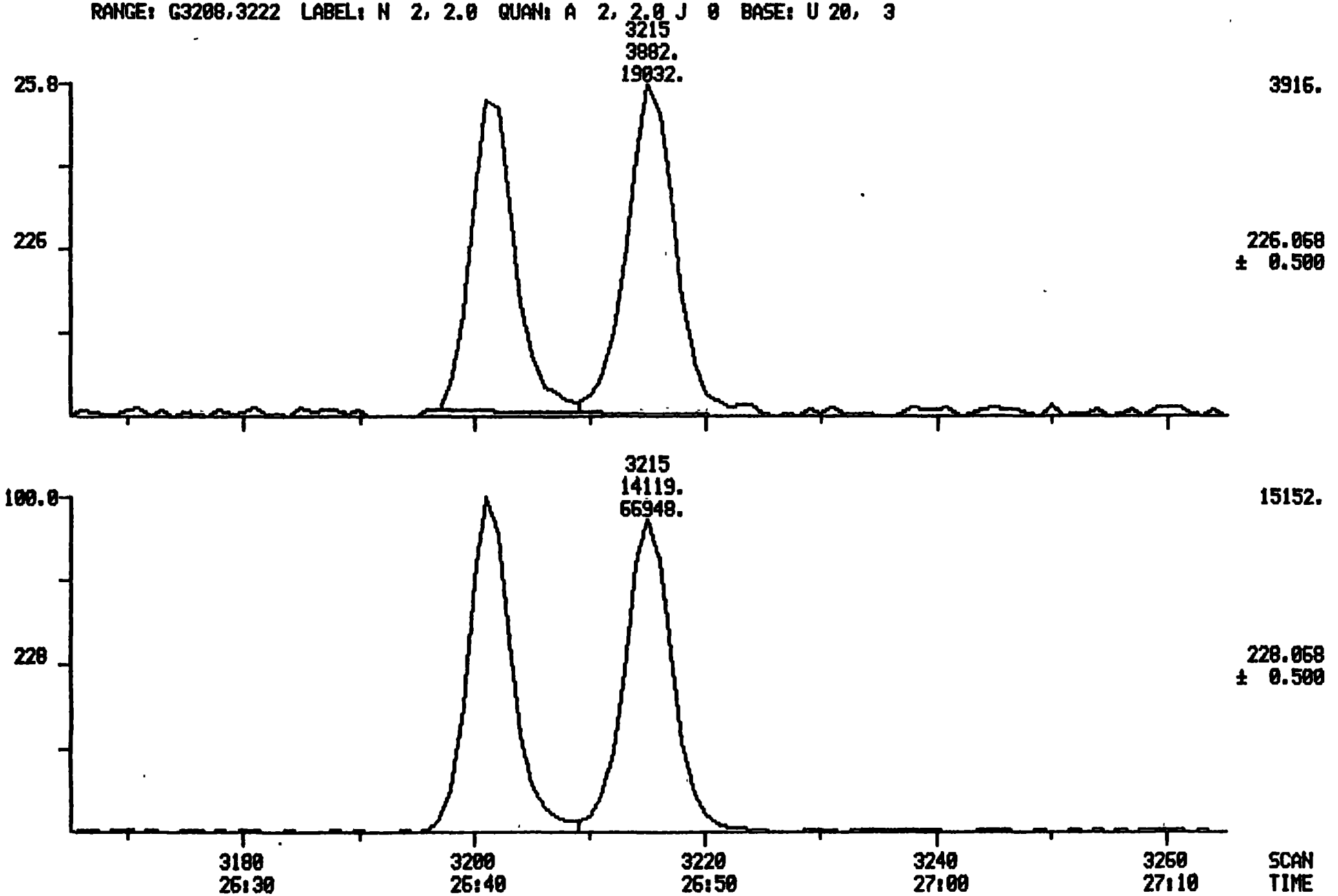
C0810

MIDMASS CHROMATOGRAMS DATA: STDX746 #3202 SCANS 3152 TO 3252
10/20/87 13:53:00 CALI: 102087CX #2
SAMPLE: 200 PPB PAH STD 10-19-87 MLB
CONDS.: GC DESC ST
BENZO(A)ANTHRACENE 228 PH# 03
RANGE: G3195,3209 LABEL: N 2, 2.0 QUAN: A 2, 2.0 J 0 BASE: U 20, 3



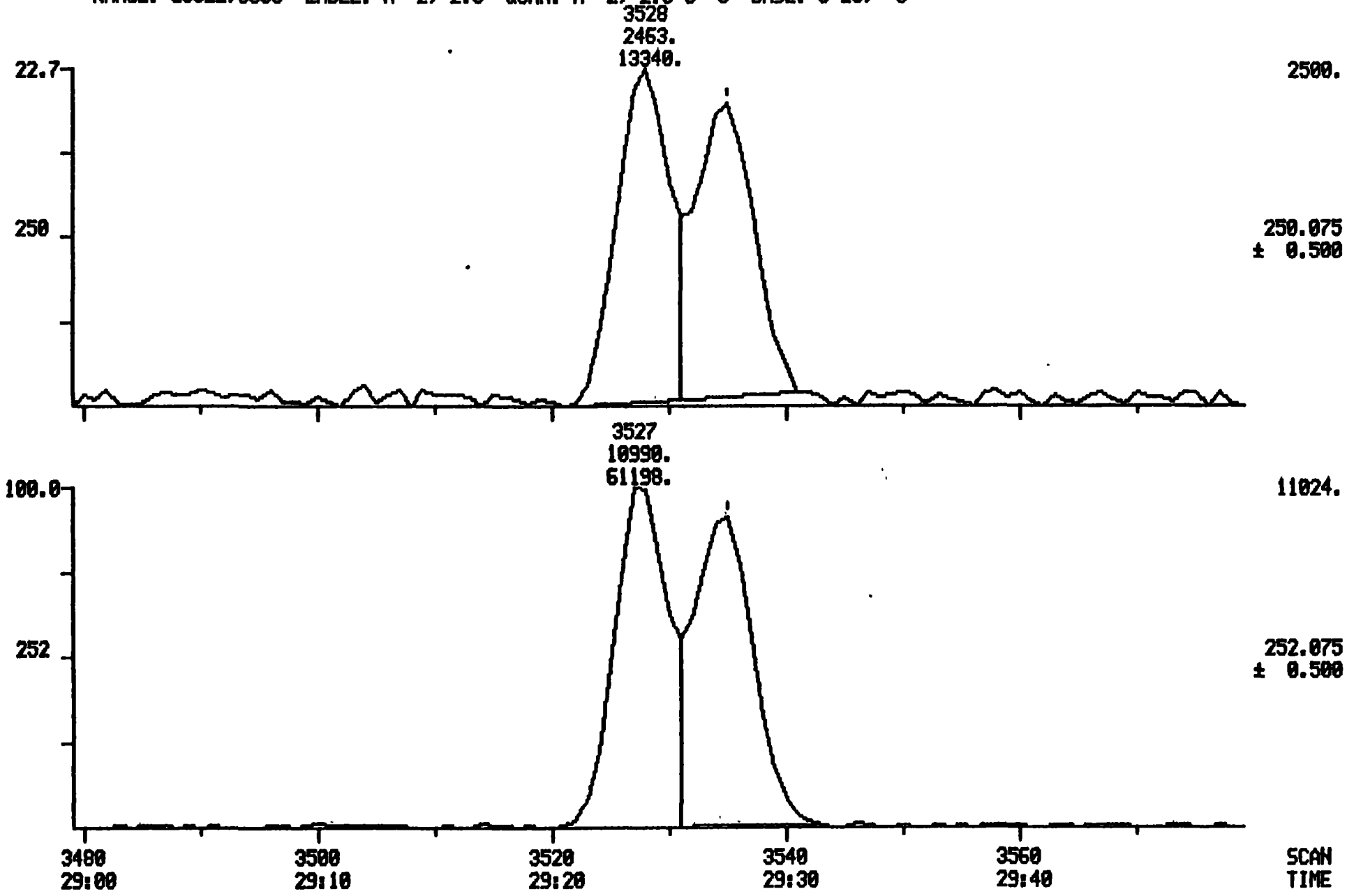
C0811

MIDMASS CHROMATOGRAMS DATA: STDX746 #3215 SCANS 3165 TO 3265
10/20/87 13:53:00 CALI: 102087CX #2
SAMPLE: 200 PPB PAH STD 10-19-87 MLB
CONDS.: GC DESC ST
CHRYSENE 228 PH# 05
RANGE: G3208,3222 LABEL: N 2, 2.0 QUAN: A 2, 2.0 J 0 BASE: U 20, 3



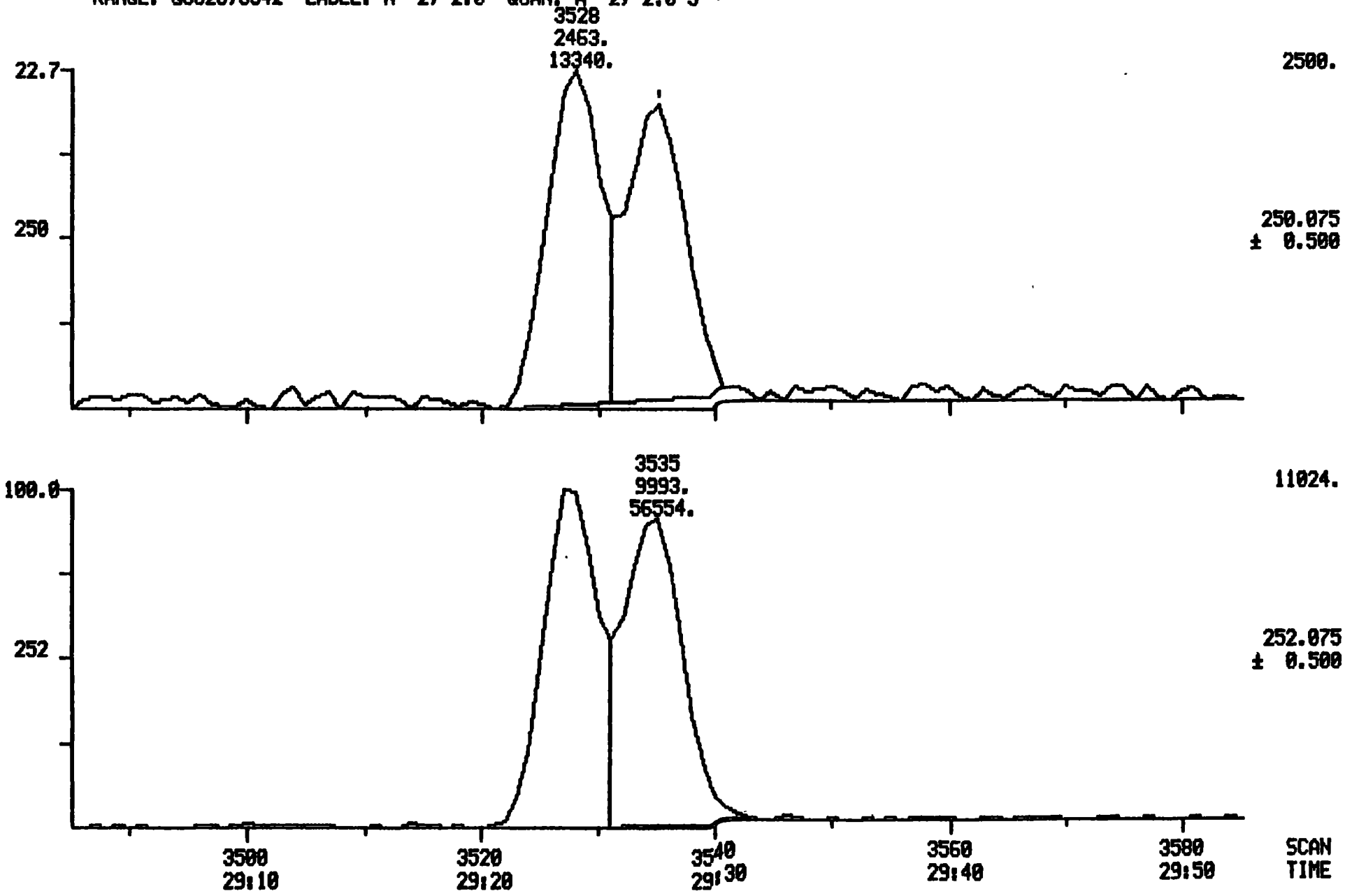
C0812

MIDMASS CHROMATOGRAMS DATA: STDX746 #3529 SCANS 3479 TO 3579
10/20/87 13:53:00 CALI: 102087CX #2
SAMPLE: 200 PPB PAH STD 10-19-87 MLB
CONDS.: GC DESC ST
BENZO(B)FLUORANTHENE 252 PH# 07
RANGE: G3522,3536 LABEL: N 2, 2.0 QUAN: A 2, 2.0 J 0 BASE: U 20, 3



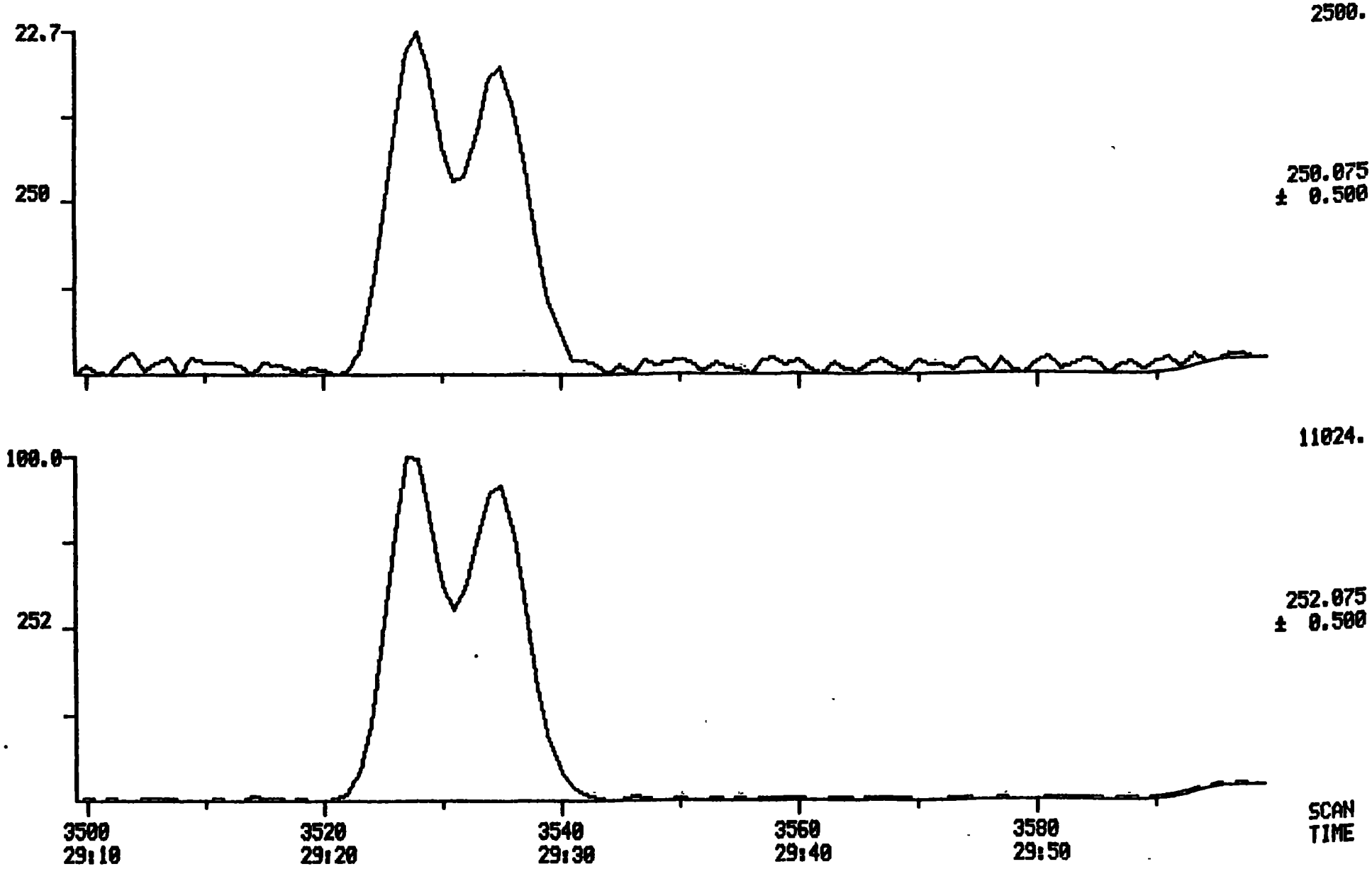
C0813

MIDMASS CHROMATOGRAMS DATA: STDX746 #3535 SCANS 3485 TO 3585
10/20/87 13:53:00 CALI: 102087CX #2
SAMPLE: 200 PPB PAH STD 10-19-87 MLB
CONDS.: GC DESC ST
BENZO(K)FLUORANTHENE 252 PH# 09
RANGE: G3528,3542 LABEL: N 2, 2.0 QUAN: A 2, 2.0 J 0 BASE: U 20, 3



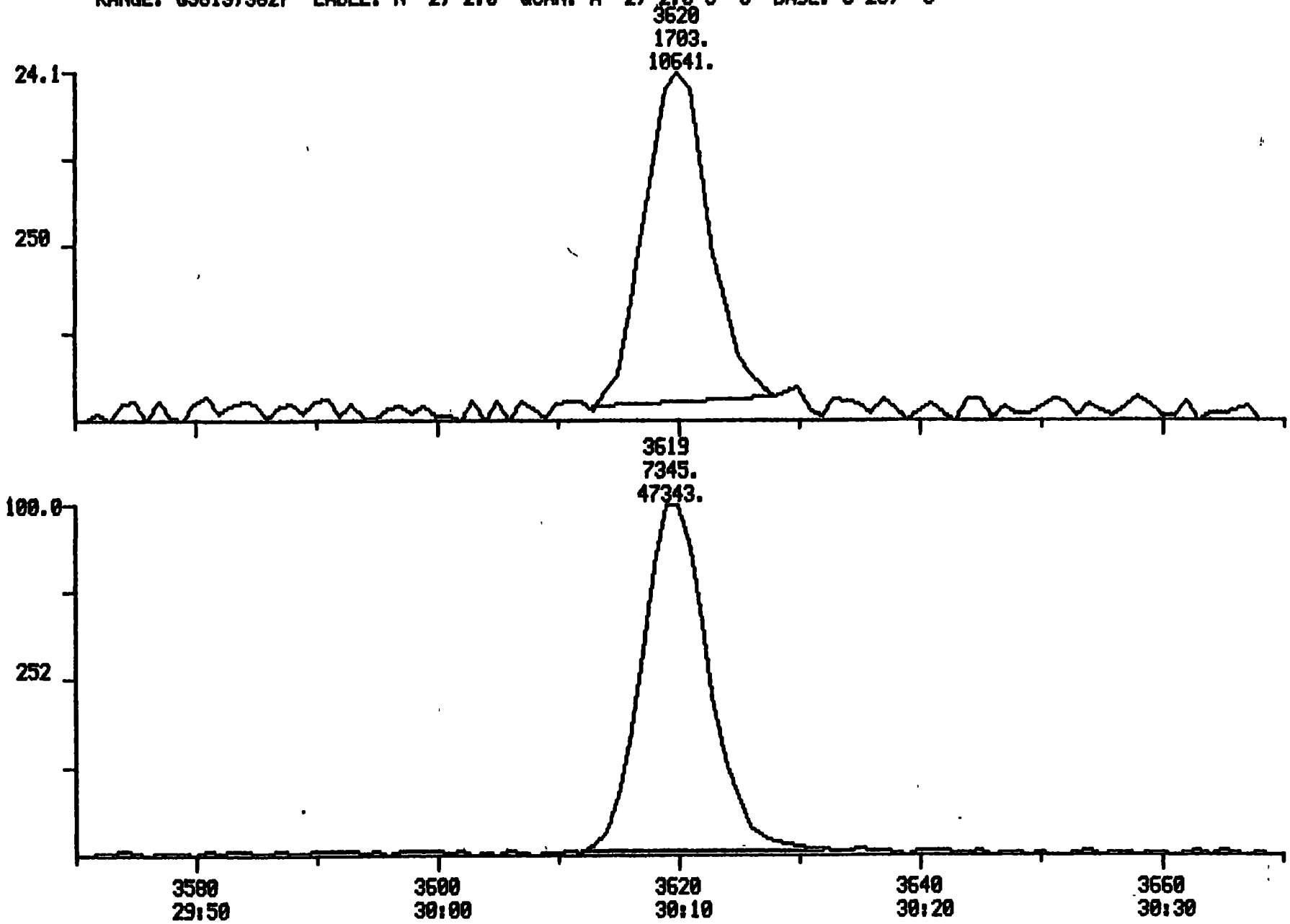
00814

MIDMASS CHROMATOGRAMS DATA: STDX746 #3549 SCANS 3499 TO 3599
10/20/87 13:53:00 CALI: 102087CX #2
SAMPLE: 200 PPB PAH STD 10-19-87 MLB
CONDS.: GC DESC ST
BENZO(J)FLUORANTHENE 252 PH# 11
RANGE: G3542,3556 LABEL: N 2, 2.0 QUAN: A 2, 2.0 J 0 BASE: U 20, 3



00815

MIDMASS CHROMATOGRAMS DATA: STDX746 #3620 SCANS 3570 TO 3670
10/20/87 13:53:00 CALI: 102087CX #2
SAMPLE: 200 PPB PAH STD 10-19-87 MLB
CONDS.: GC DESC ST
BENZO(A)PYRENE 252 PH# 13
RANGE: G3613,3627 LABEL: N 2, 2.0 QUAN: A 2, 2.0 J 0 BASE: U 20, 3



00816

1800

.075
.500

10.

.075
.500

RMAL-GC/MS REILLY TAR & CHEMICAL CO. PROJECT PROCESSING PROGRAM
DATAFILE: D: STDX742. STARTED : 10/21/87 11:26:06

OK

10/20/87 9:18:15 SCAN 1 OF 3800

00817

Acquisition started

Acquire Run 0: STDX742 ACQUIRING
10/20/87 9:18:00 + 0:03 Free sectors: 27939 Scan: 7 of 3800
Sample: 80 PPB PAH STD 10-19-87 MLB
Conds.: GC DESC ST
Formula: MID Instrument: 4500 Weight: 0.000
Submitted by: RMAL Analyst: DC Acct. No:

********** GC PARAMETERS **********
Loaded GC Desc: ST Current GC oven tmp: 29 DegC Injector : 265 DegC
Current GC Desc: ST GC elapsed time : 0: 3 min Int. oven : 250 DegC

Seq. #	Temp(C)	Rate(C/m)	Time(min)	Total time(min)		Open	Close
1	30 - 30	-	1.0	1.0	Sweep/Split	0.5	0.0
2	30 - 325	10.0	29.5	30.5	Divert	40.5	0.0
3	325 - 325	-	10.0	40.5			
4	325 - 325	-	0.0	40.5			

********** SCAN PARAMETERS **********
***** Mode: Centroid positive ion + R1 (Temp)

MID scan Desc: P1 Mass intervals: 3
Scan time: 0.500 s Samp. int.: 0.200 ms Master rate: 1024

Int #	Lo mass	Hi mass	Time	MPW	MFW	MA	TH	BL	ION
1	225.500	226.500	0.105	1	100	0	1	1	Pos
2	227.500	228.500	0.105	1	100	0	1	1	Pos
3	239.500	240.500	0.105	1	100	0	1	1	Pos

Interface number	0	
Sub-interface number	0	
# of acqu buffers	16	
Instrument type	Q	
Full scale mass	1024	u
Zero scale mass	1	u
Intensity/ion	2	
Peak Width	1000.	mmu
Offset at low mass	0	mmu
Offset at high mass	0	mmu
Voltage settling time(MS)	4	

10/20/87 9:46:39 SCAN 3407 OF 3800

MID scan Desc: P2 Mass intervals: 3
Scan time: 0.500 s Samp. Int.: 0.200 ms Master rate: 1024

Int #	Lo mass	Hi mass	Time	MPW	MFW	MA	TH	BL	ION
1	249.575	250.575	0.105	1	100	0	1	1	Pos
2	251.575	252.575	0.105	1	100	0	1	1	Pos
3	263.579	264.579	0.105	1	100	0	1	1	Pos

10/20/87 9:49:59
ACQUISITION COMPLETED
SCANS 1 TO 3406 Centroid
SCAN 3407 Suspended
SCANS 3408 TO 3800 Centroid

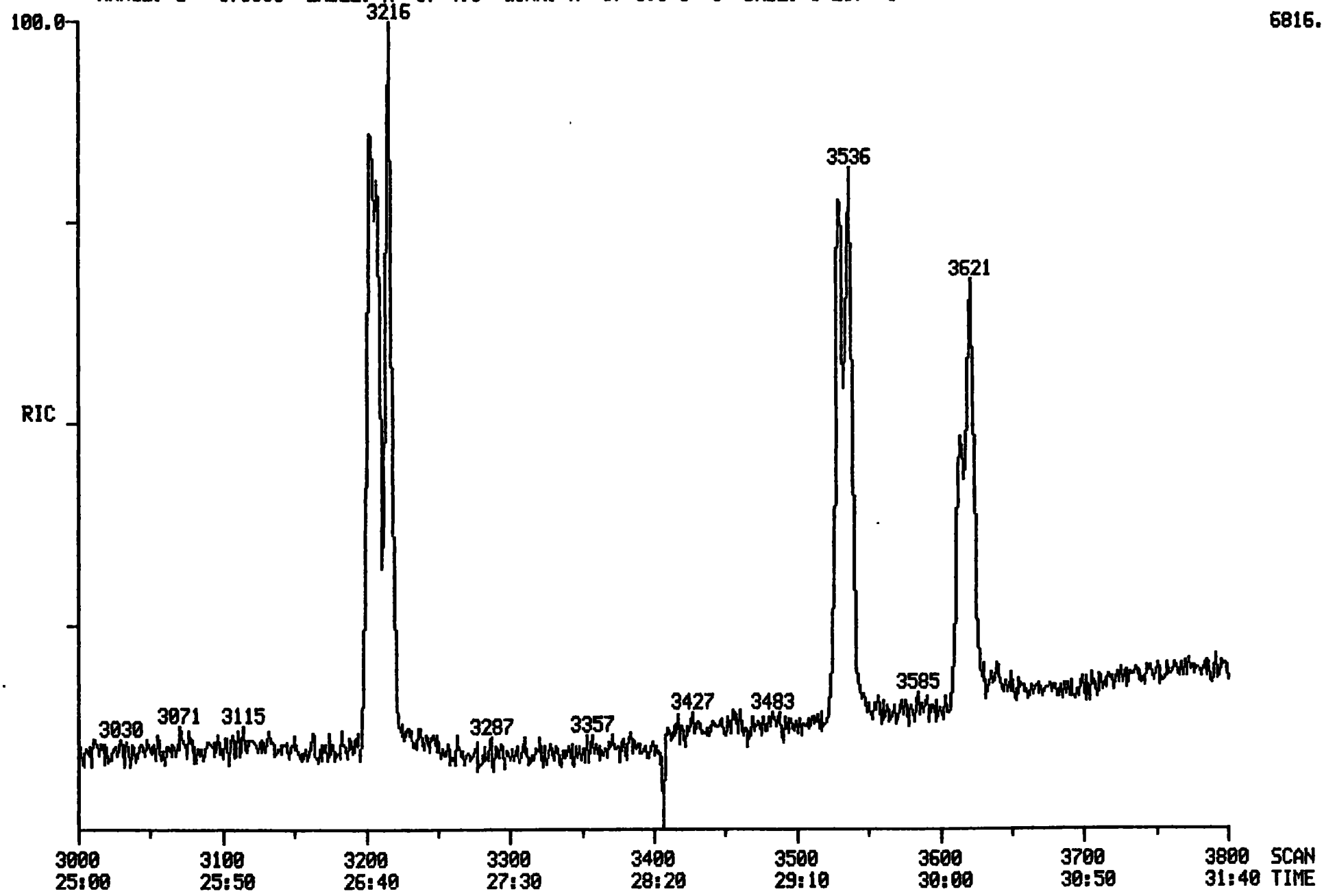
Mode	Scans	Secs	Out of	%	Peaks per scan	per sec
Centroid	3798	187.9	1888.5	9.9	15196	4 8

00818

MIDRIC
10/20/87 9:18:00
SAMPLE: 80 PPB PAH STD 10-19-87 MLB
CONDS.: GC DESC ST
RANGE: G 1,3800 LABEL: N 0, 4.0 QUAN: A 0, 1.0 J 0 BASE: U 20, 3

DATA: STDX742 #1
CALI: 102087CX #2

SCANS 3000 TO 3800



Quantitation Report File: STDX742

00819

Data: STDX742.TI
10/20/87 9:18:00
Sample: 80 PPB PAH STD 10-19-87 MLB
Conds.: GC DESC ST
Formula: MID Instrument: 4500 Weight: 0.000
Submitted by: RMAL Analyst: DC Acct. No.:

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

No	Name	
1	D12-BENZO(A)PYRENE	264IPH# 01
2	D12-CHRYSENE	240SPH# 02
3	BENZO(A)ANTHRACENE	228 PH# 03
4	BENZO(A)ANTHRACENE	226 PH# 04
5	CHRYSENE	228 PH# 05
6	CHRYSENE	226 PH# 06
7	BENZO(B)FLUORANTHENE	252 PH# 07
8	BENZO(B)FLUORANTHENE	250 PH# 08
9	BENZO(K)FLUORANTHENE	252 PH# 09
10	BENZO(K)FLUORANTHENE	250 PH# 10
11	BENZO(A)PYRENE	252 PH# 13
12	BENZO(A)PYRENE	250 PH# 14

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount		%Tot
1	264	3614	30:07	1	1.000	A BB	13563.	80.000	NG/ML	8.33
2	240	3208	26:44	1	0.888	A BB	21730.	80.000	NG/ML	8.33
3	228	3203	26:41	1	0.886	A BV	20797.	80.000	NG/ML	8.33
4	226	3204	26:42	1	0.887	A BB	5382.	80.000	NG/ML	8.33
5	228	3216	26:48	1	0.890	A VB	22152.	80.000	NG/ML	8.33
6	226	3216	26:48	1	0.890	A BB	6612.	80.000	NG/ML	8.33
7	252	3530	29:25	1	0.977	A BV	21087.	80.000	NG/ML	8.33
8	250	3530	29:25	1	0.977	A BV	4483.	80.000	NG/ML	8.33
9	252	3536	29:28	1	0.978	A VB	19361.	80.000	NG/ML	8.33
10	250	3536	29:28	1	0.978	A VB	4484.	80.000	NG/ML	8.33
11	252	3621	30:10	1	1.002	A BB	15591.	80.000	NG/ML	8.33
12	250	3621	30:10	1	1.002	A BB	3720.	80.000	NG/ML	8.33

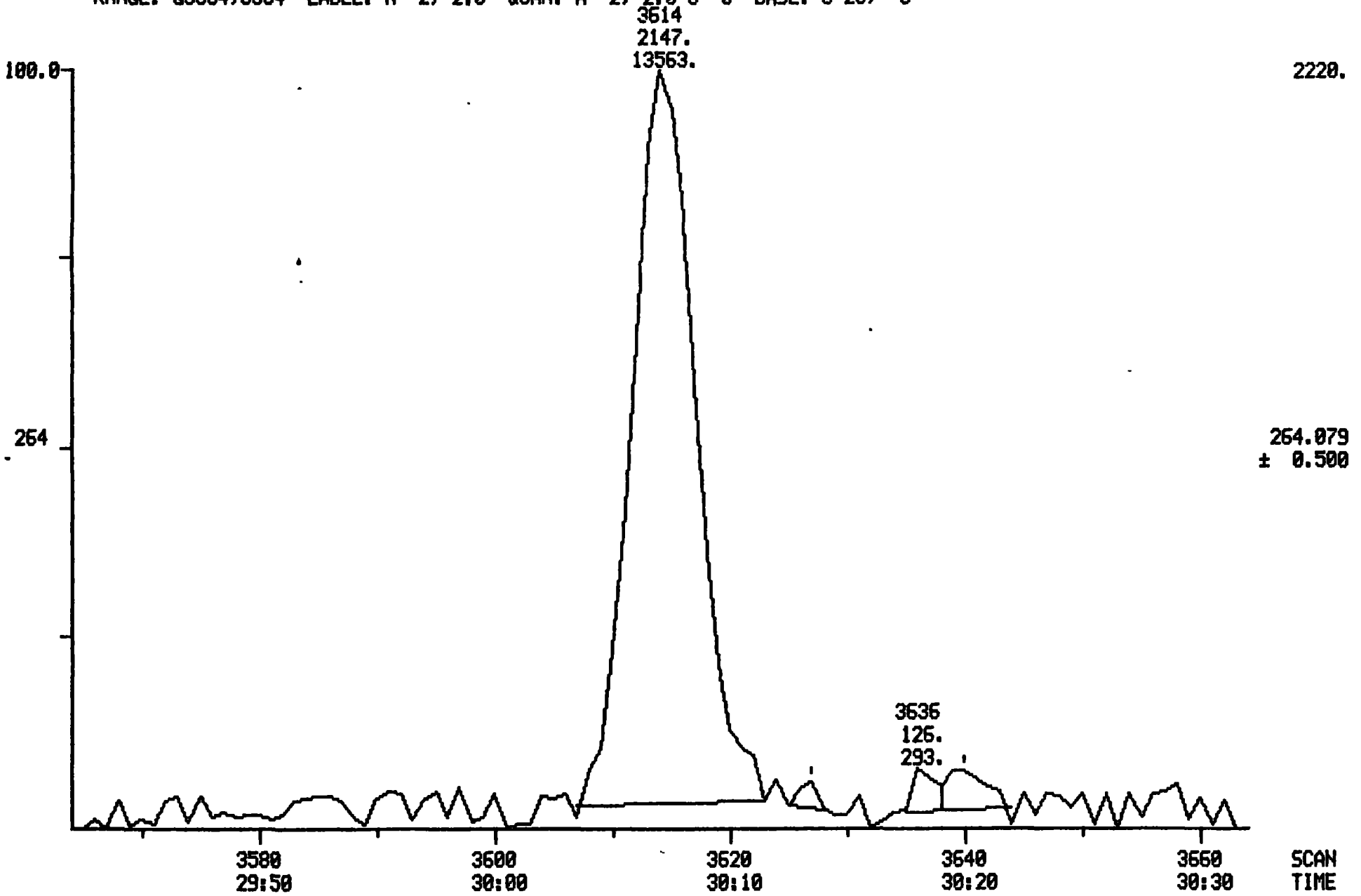
No	Ret(L)	Ratio	RRT(L)	Ratio	Amnt	Amnt(L)	R.Fac	R.Fac(L)	Ratio
1	30:07	1.00	1.000	1.00	80.00	80.00	1.000	1.000	1.00
2	26:44	1.00	0.888	1.00	80.00	80.00	1.602	1.602	1.00
3	26:41	1.00	0.886	1.00	80.00	80.00	1.533	1.533	1.00
4	26:42	1.00	0.887	1.00	80.00	80.00	0.397	0.397	1.00
5	26:48	1.00	0.890	1.00	80.00	80.00	1.633	1.633	1.00
6	26:48	1.00	0.890	1.00	80.00	80.00	0.488	0.488	1.00
7	29:25	1.00	0.977	1.00	80.00	80.00	1.555	1.555	1.00
8	29:25	1.00	0.977	1.00	80.00	80.00	0.330	0.330	1.00
9	29:28	1.00	0.978	1.00	80.00	80.00	1.427	1.427	1.00
10	29:28	1.00	0.978	1.00	80.00	80.00	0.331	0.331	1.00
11	30:10	1.00	1.002	1.00	80.00	80.00	1.150	1.150	1.00
12	30:10	1.00	1.002	1.00	80.00	80.00	0.274	0.274	1.00

No	Ret(L)	Ratio	RRT(L)	Ratio	Amnt	Amnt(L)	R. Fac	R. Fac(L)	Ratio
8	29:25	1.00	0.977	1.00	73.96	80.00	1.437	1.555	0.92
9	29:25	1.00	0.977	1.00	80.00	80.00	0.330	0.330	1.00
10	29:25	1.00	0.977	1.00	80.03	80.00	0.331	0.330	1.00
11	29:28	1.00	0.978	1.00	84.65	80.00	1.521	1.437	1.06
12	29:28	1.00	0.978	1.00	79.45	80.00	1.427	1.437	0.99
13	29:28	1.00	0.978	1.00	79.97	80.00	0.330	0.331	1.00
14	29:28	1.00	0.978	1.00	80.00	80.00	0.331	0.331	1.00
15	30:10	1.00	1.002	1.00	80.00	80.00	1.150	1.150	1.00
16	30:10	1.00	1.002	1.00	80.00	80.00	0.274	0.274	1.00

00800

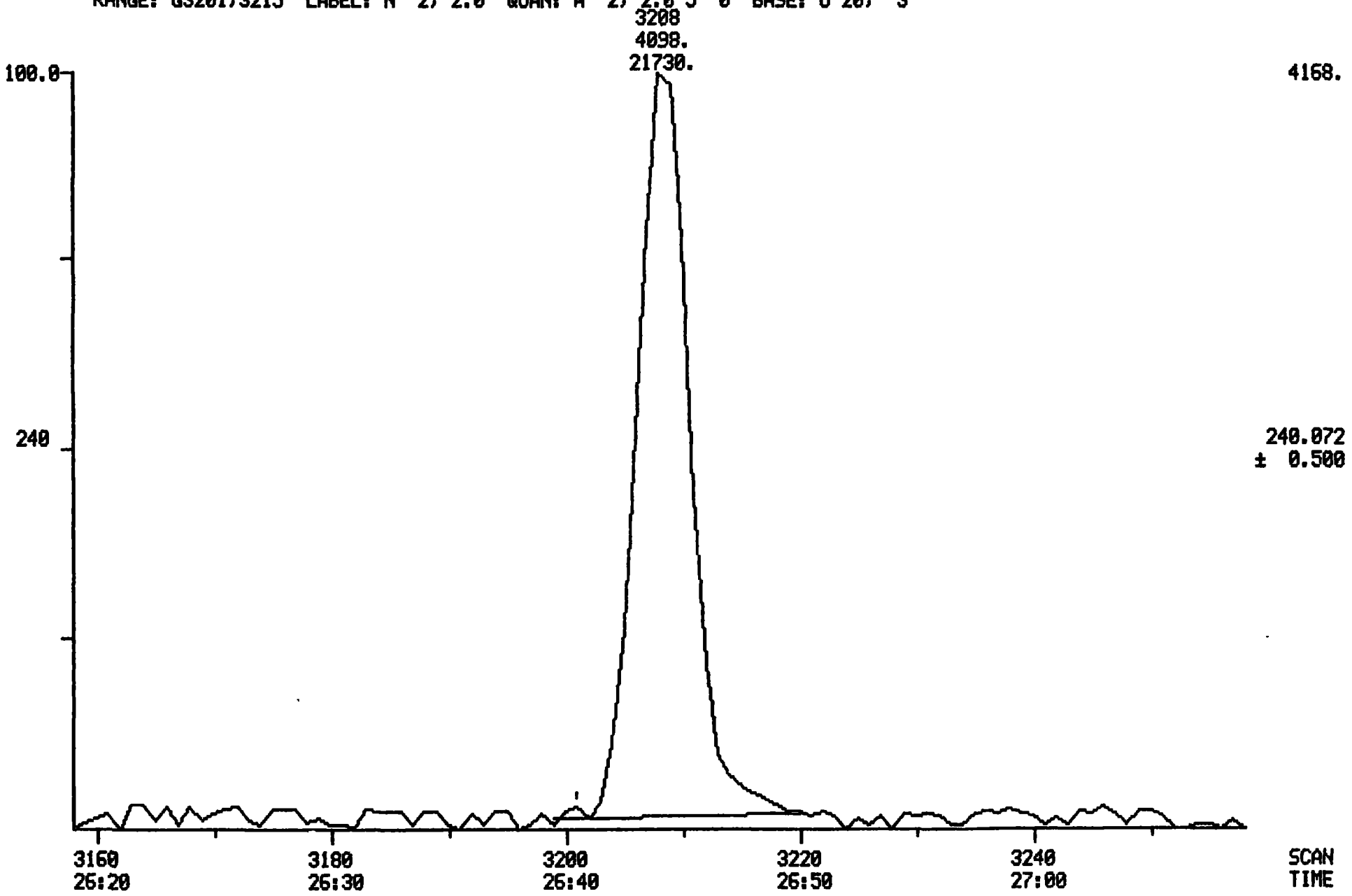
00821

MIDMASS CHROMATOGRAM DATA: STDX742 #3614 SCANS 3564 TO 3664
10/20/87 9:18:00 CALI: 102087CX #2
SAMPLE: 80 PPB PAH STD 10-19-87 MLB
CONDS.: GC DESC ST
D12-BENZO(A)PYRENE 264IPH# 01
RANGE: G3564,3664 LABEL: N 2, 2.0 QUAN: A 2, 2.0 J 0 BASE: U 20, 3



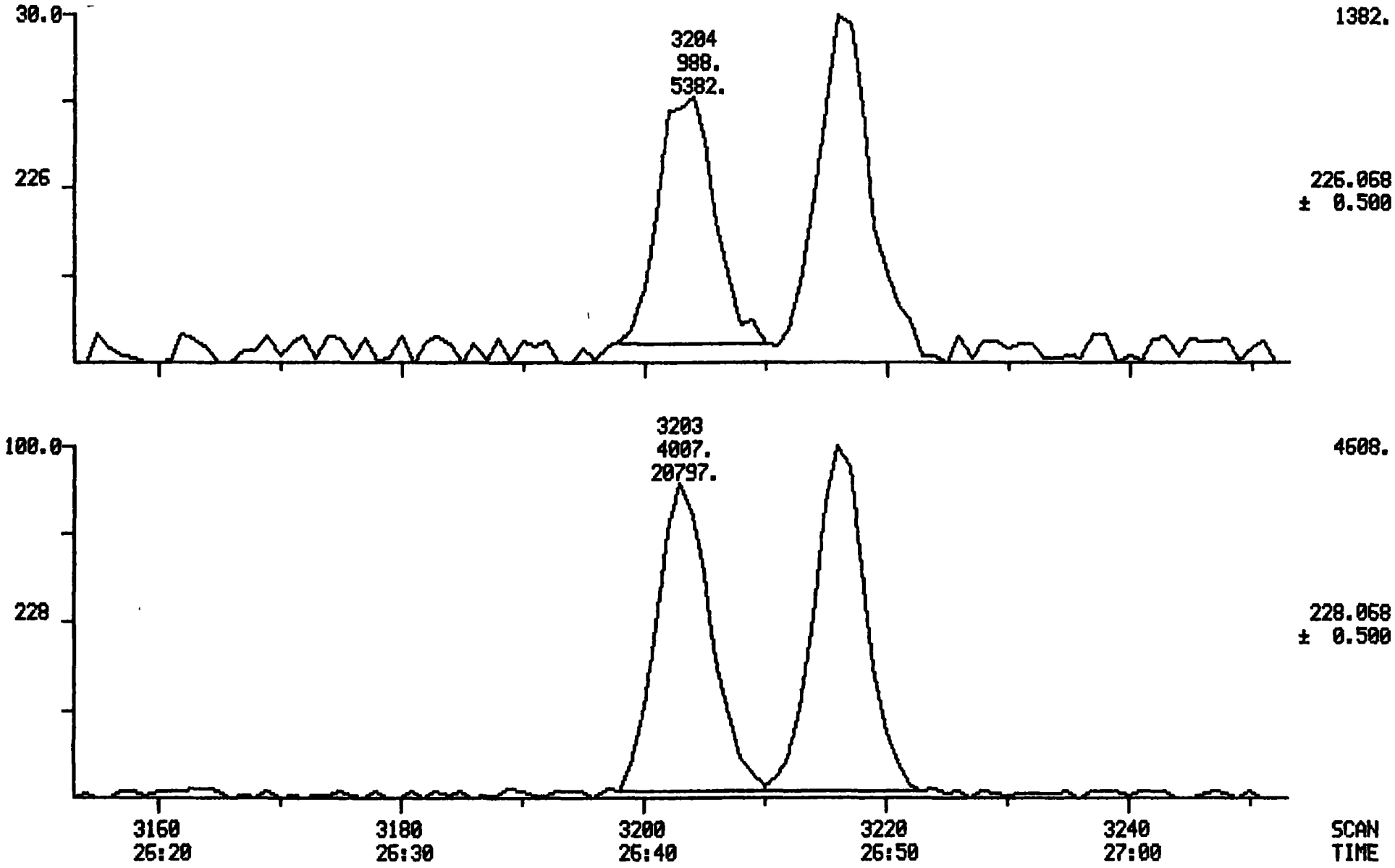
00822

MIDMASS CHROMATOGRAM DATA: STDX742 #3208 SCANS 3158 TO 3258
10/20/87 9:18:00 CALI: 102087CX #2
SAMPLE: 80 PPB PAH STD 10-19-87 MLB
CONDS.: GC DESC ST
D12-CHRYSENE 240SPH# 02
RANGE: G3201,3215 LABEL: N 2, 2.0 QUAN: A 2, 2.0 J 0 BASE: U 20, 3



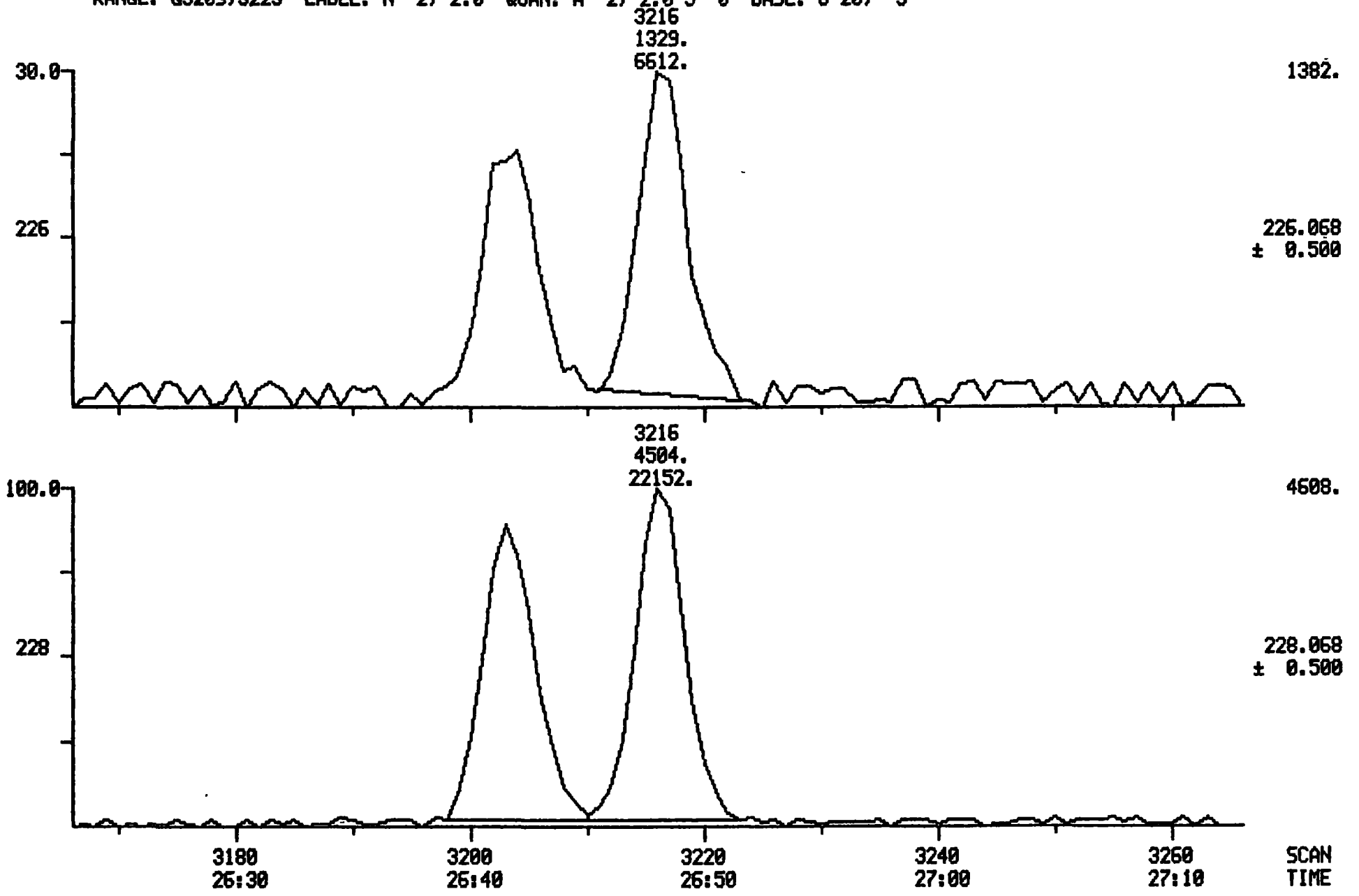
0823

MIDMASS CHROMATOGRAMS DATA: STDX742 #3203 SCANS 3153 TO 3253
10/20/87 9:18:00 CALI: 102087CX #2
SAMPLE: 80 PPB PAH STD 10-19-87 MLB
CONDS.: GC DESC ST
BENZO(A)ANTHRACENE 228 PH# 03
RANGE: G3196,3210 LABEL: N 2, 2.0 QUAN: A 2, 2.0 J 0 BASE: U 20, 3



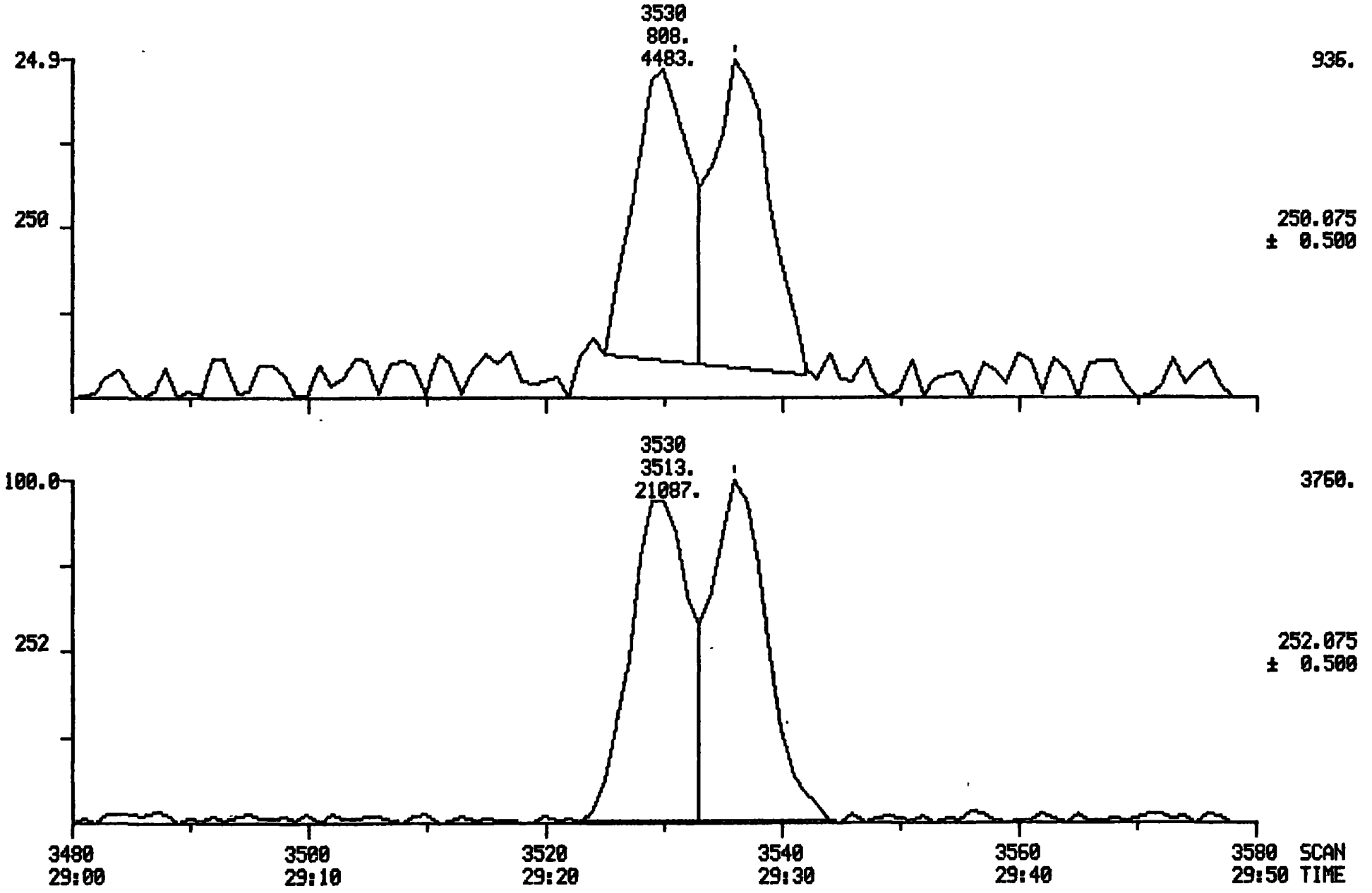
00824

MIDMASS CHROMATOGRAMS DATA: STDX742 #3216 SCANS 3166 TO 3266
10/20/87 9:18:00 CALI: 102087CX #2
SAMPLE: 80 PPB PAH STD 10-19-87 MLB
CONDS.: GC DESC ST
CHRYSENE 228 PH# 05
RANGE: G3209,3223 LABEL: N 2, 2.0 QUAN: A 2, 2.0 J 0 BASE: U 20, 3



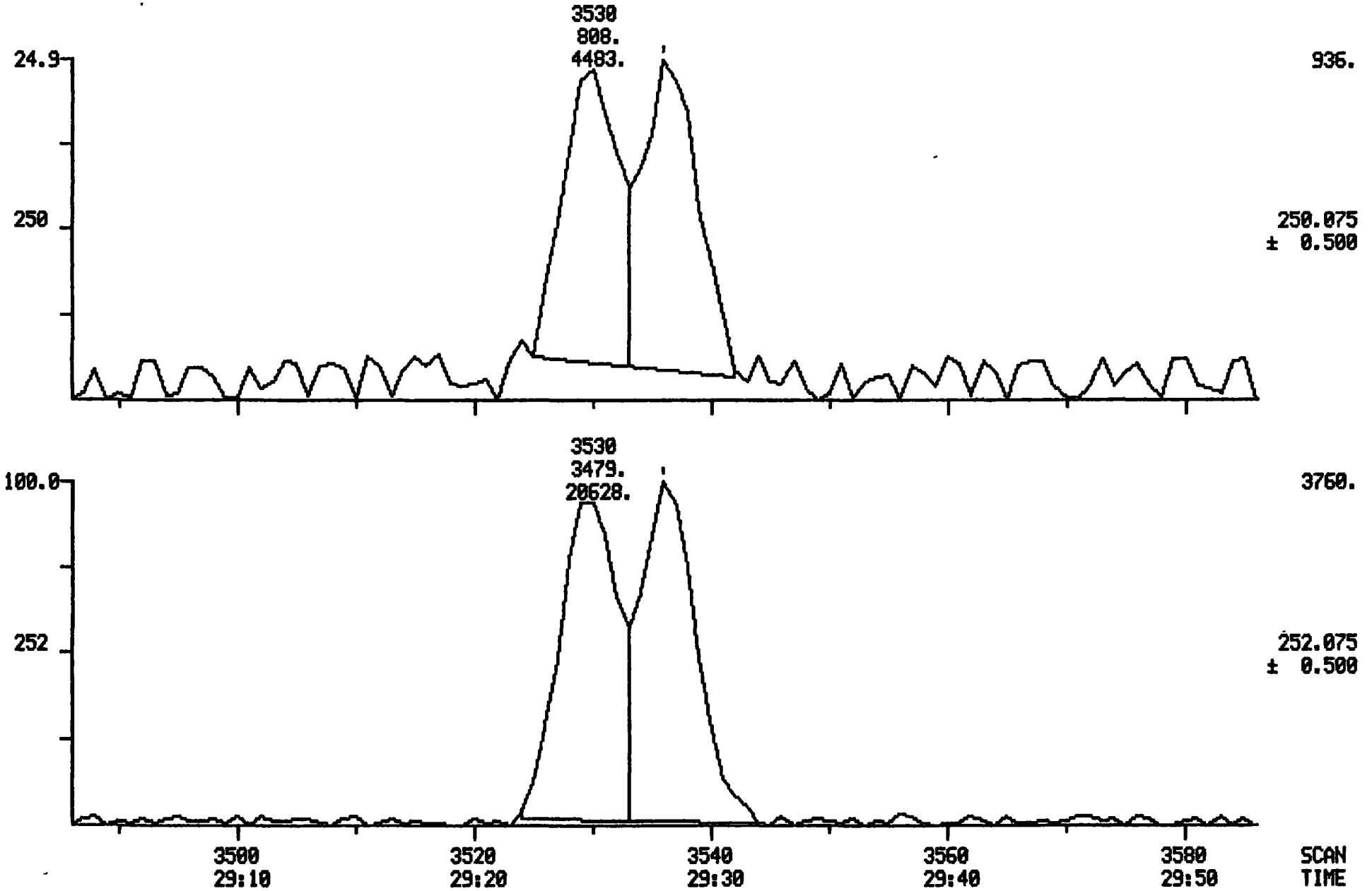
00825

MIDMASS CHROMATOGRAMS DATA: STDX742 #3530 SCANS 3480 TO 3580
10/20/87 9:18:00 CALI: 102087CX #2
SAMPLE: 80 PPB PAH STD 10-19-87 MLB
CONDS.: GC DESC ST
BENZO(B)FLUORANTHENE 252 PH# 07
RANGE: G3523,3537 LABEL: N 2, 2.0 QUAN: A 2, 2.0 J 0 BASE: U 20, 3



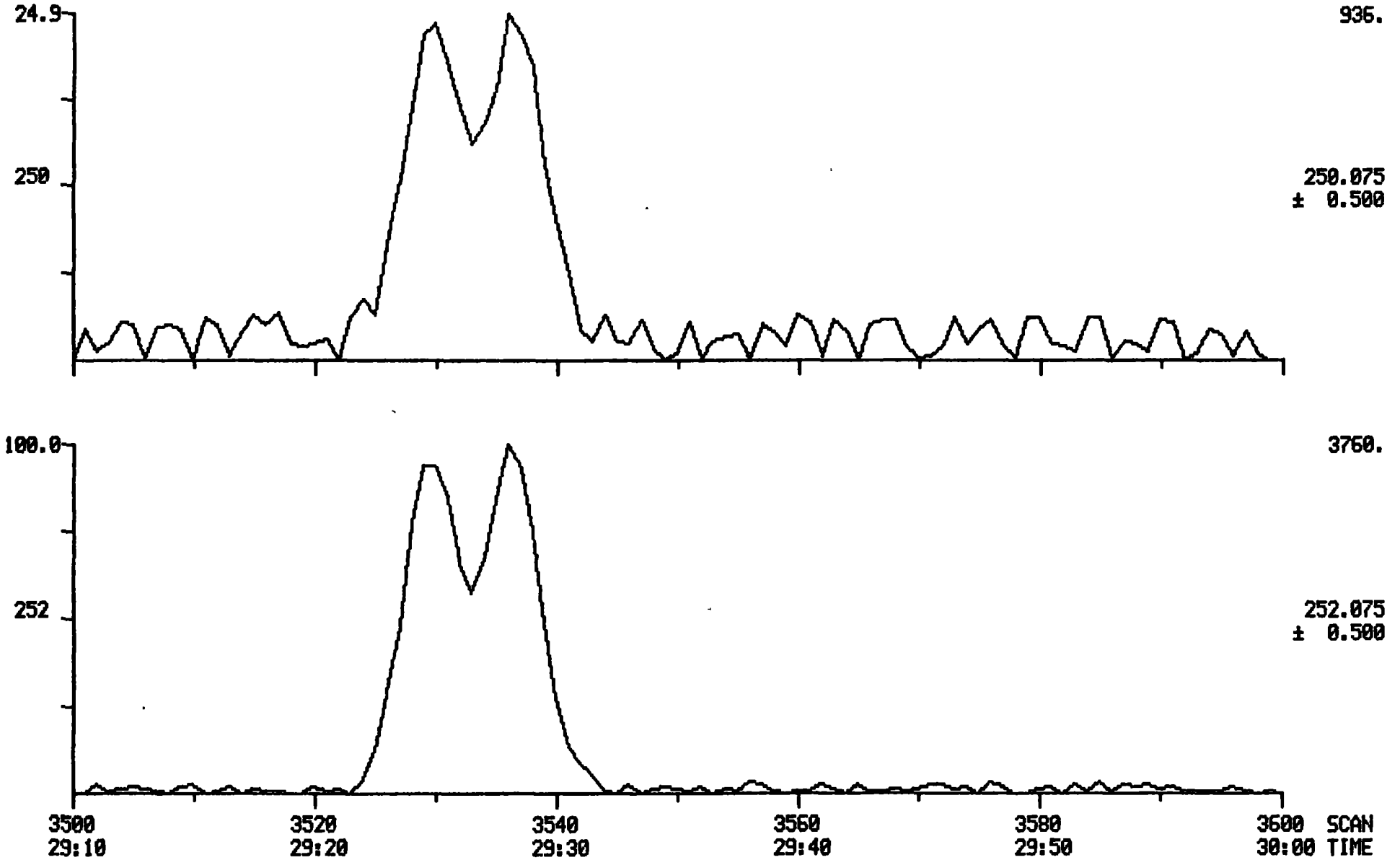
00826

MIDMASS CHROMATOGRAMS DATA: STDX742 #3536 SCANS 3486 TO 3586
10/20/87 9:18:00 CALI: 102087CX #2
SAMPLE: 80 PPB PAH STD 10-19-87 MLB
CONDS.: GC DESC ST
BENZO(K)FLUORANTHENE 252 PH# 09
RANGE: G3529,3543 LABEL: N 2, 2.0 QUAN: A 2, 2.0 J 0 BASE: U 20, 3



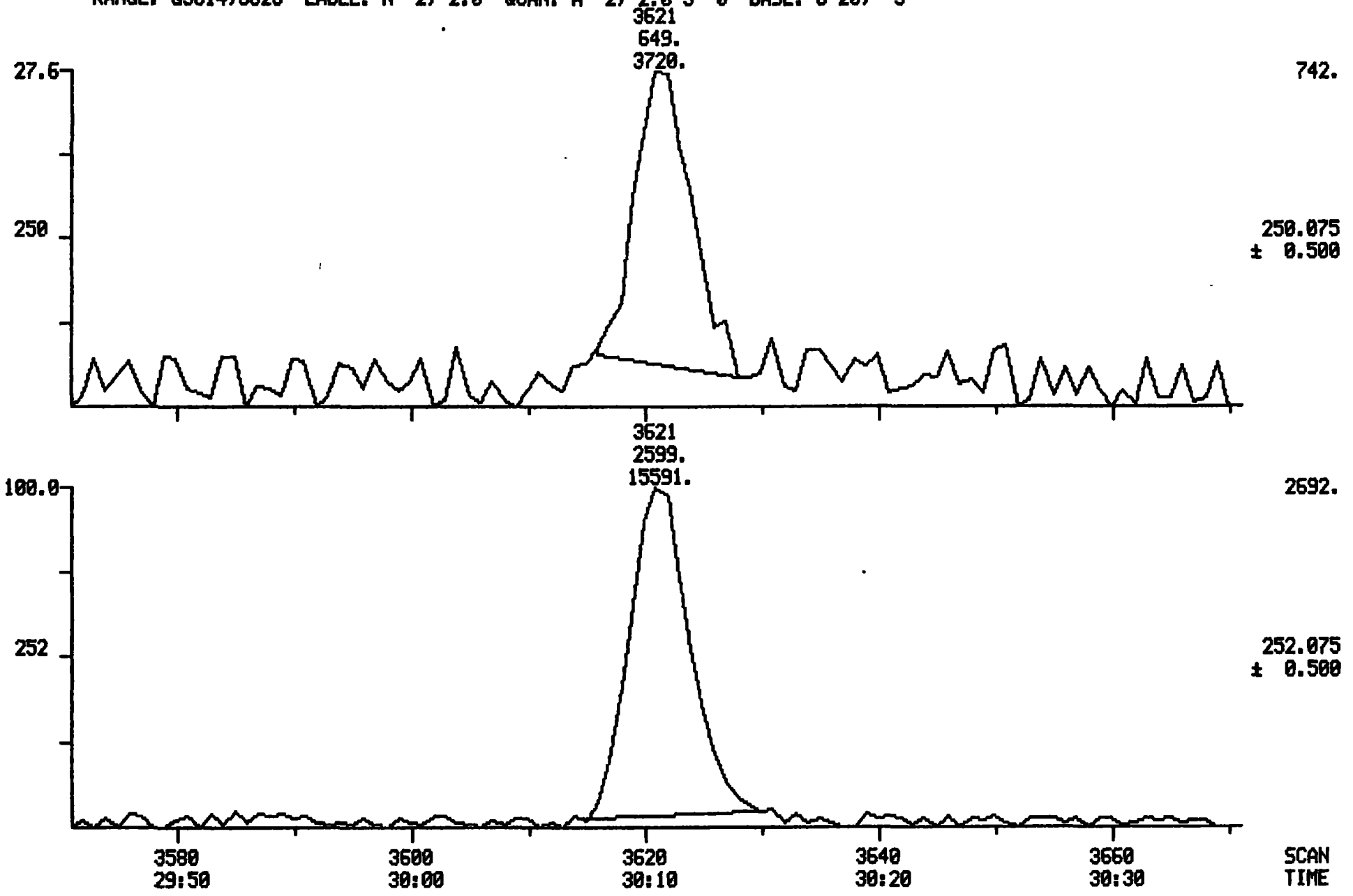
00827

MIDMASS CHROMATOGRAMS DATA: STDX742 #3550 SCANS 3500 TO 3600
10/20/87 9:18:00 CALI: 102087CX #2
SAMPLE: 80 PPB PAH STD 10-19-87 MLB
CONDS.: GC DESC ST
BENZO(J)FLUORANTHENE 252 PH# 11
RANGE: G3543,3557 LABEL: N 2, 2.0 QUAN: A 2, 2.0 J 0 BASE: U 20, 3



00828

MIDMASS CHROMATOGRAMS DATA: STDX742 #3621 SCANS 3571 TO 3671
10/20/87 9:18:00 CALI: 102087CX #2
SAMPLE: 80 PPB PAH STD 10-19-87 MLB
CONDS.: GC DESC ST
BENZO(A)PYRENE 252 PH# 13
RANGE: G3614,3628 LABEL: N 2, 2.0 QUAN: A 2, 2.0 J 0 BASE: U 20, 3



RMAL-GC/MS REILLY TAR & CHEMICAL CO. PROJECT PROCESSING PROGRAM
DATAFILE: D: STDX743. STARTED : 10/21/87 11:11:03

OK
(Repull spread)

00829

10/20/87 10:38:22 SCAN 1 OF 3800
Acquisition started

Acquire Run 0: STDX743 ACQUIRING
10/20/87 10:38:00 + 0:03 Free sectors: 27675 Scan: 7 of 3800
Sample: 40 PPB PAH STD 10-19-87 MLB
Conds.: GC DESC ST
Formula: MID Instrument: 4500 Weight: 0.000
Submitted by: RMAL Analyst: DC Acct. No:

********** GC PARAMETERS **********
Loaded GC Desc: ST Current GC oven tmp: 30 DegC Injector : 265 DegC
Current GC Desc: ST GC elapsed time : 0: 3 min Int. oven : 250 DegC

Seq. #	Temp(C)	Rate(C/m)	Time(min)	Total time(min)		Open	Close
1	30 - 30	-	1.0	1.0	Sweep/Split	0.5	0.0
2	30 - 325	10.0	29.5	30.5	Divert	40.5	0.0
3	325 - 325	-	10.0	40.5			
4	325 - 325	-	0.0	40.5			

********** SCAN PARAMETERS **********
***** Mode: Centroid positive ion + R1 (Temp)

MID scan Desc: P1 Mass intervals: 3
Scan time: 0.500 s Samp. int.: 0.200 ms Master rate: 1024

Int #	Lo mass	Hi mass	Time	MPW	MFW	MA	TH	BL	ION
1	225.500	226.500	0.105	1	100	0	1	1	Pos
2	227.500	228.500	0.105	1	100	0	1	1	Pos
3	239.500	240.500	0.105	1	100	0	1	1	Pos

Interface number	0	
Sub-interface number	0	
# of acqu buffers	16	
Instrument type	Q	
Full scale mass	1024	u
Zero scale mass	1	u
Intensity/ion	2	
Peak Width	1000.	mmu
Offset at low mass	0	mmu
Offset at high mass	0	mmu
Voltage settling time(MS)	4	

10/20/87 11:06:47 SCAN 3407 OF 3800

MID scan Desc: P2 Mass intervals: 3
Scan time: 0.500 s Samp. Int.: 0.200 ms Master rate: 1024

Int #	Lo mass	Hi mass	Time	MPW	MFW	MA	TH	BL	ION
1	249.575	250.575	0.105	1	100	0	1	1	Pos
2	251.575	252.575	0.105	1	100	0	1	1	Pos
3	263.579	264.579	0.105	1	100	0	1	1	Pos

10/20/87 11:10:06
ACQUISITION COMPLETED
SCANS 1 TO 3406 Centroid
SCAN 3407 Suspended
SCANS 3408 TO 3800 Centroid

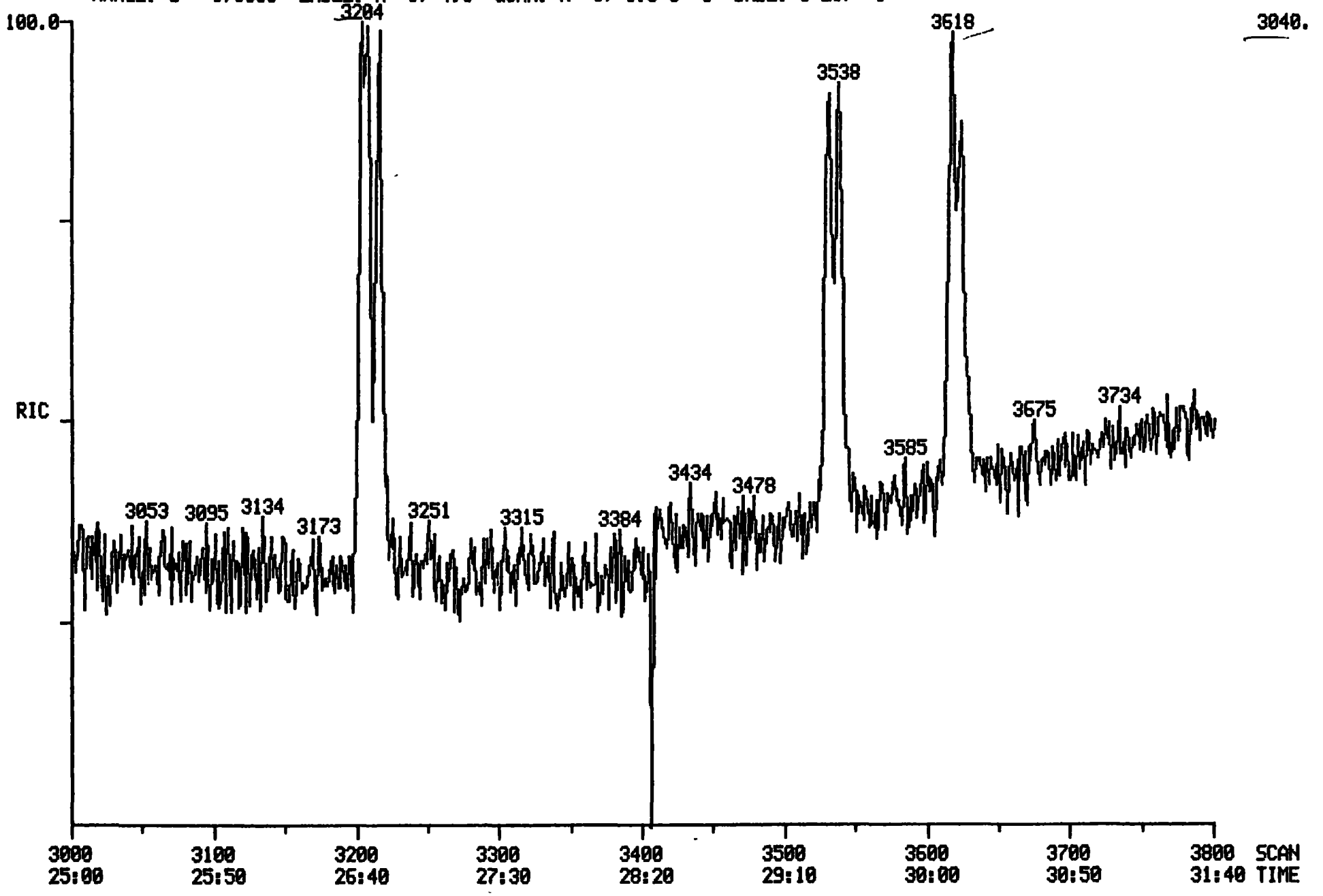
Mode	Scans	Secs	Out of	%	Peaks per scan	per sec
Centroid	3799	191.6	1899.5	10.1	15196. 4.	8.

00830

MIDRIC
10/20/87 10:38:00
SAMPLE: 40 PPB PAH STD 10-19-87 MLB
CONDS.: GC DESC ST
RANGE: G 1,3800 LABEL: N 0, 4.0 QUAN: A 0, 1.0 J 0 BASE: U 20, 3

DATA: STDX743 #1
CALI: 102087CX #2

SCANS 3000 TO 3800



Quantitation Report File: STDX743

Data: STDX743.TI
10/20/87 10:38:00
Sample: 40 PPB PAH STD 10-19-87 MLB
Conds.: GC DESC ST
Formula: MID Instrument: 4500 Weight: 0.000
Submitted by: RMAL Analyst: DC Acct. No.:

00831

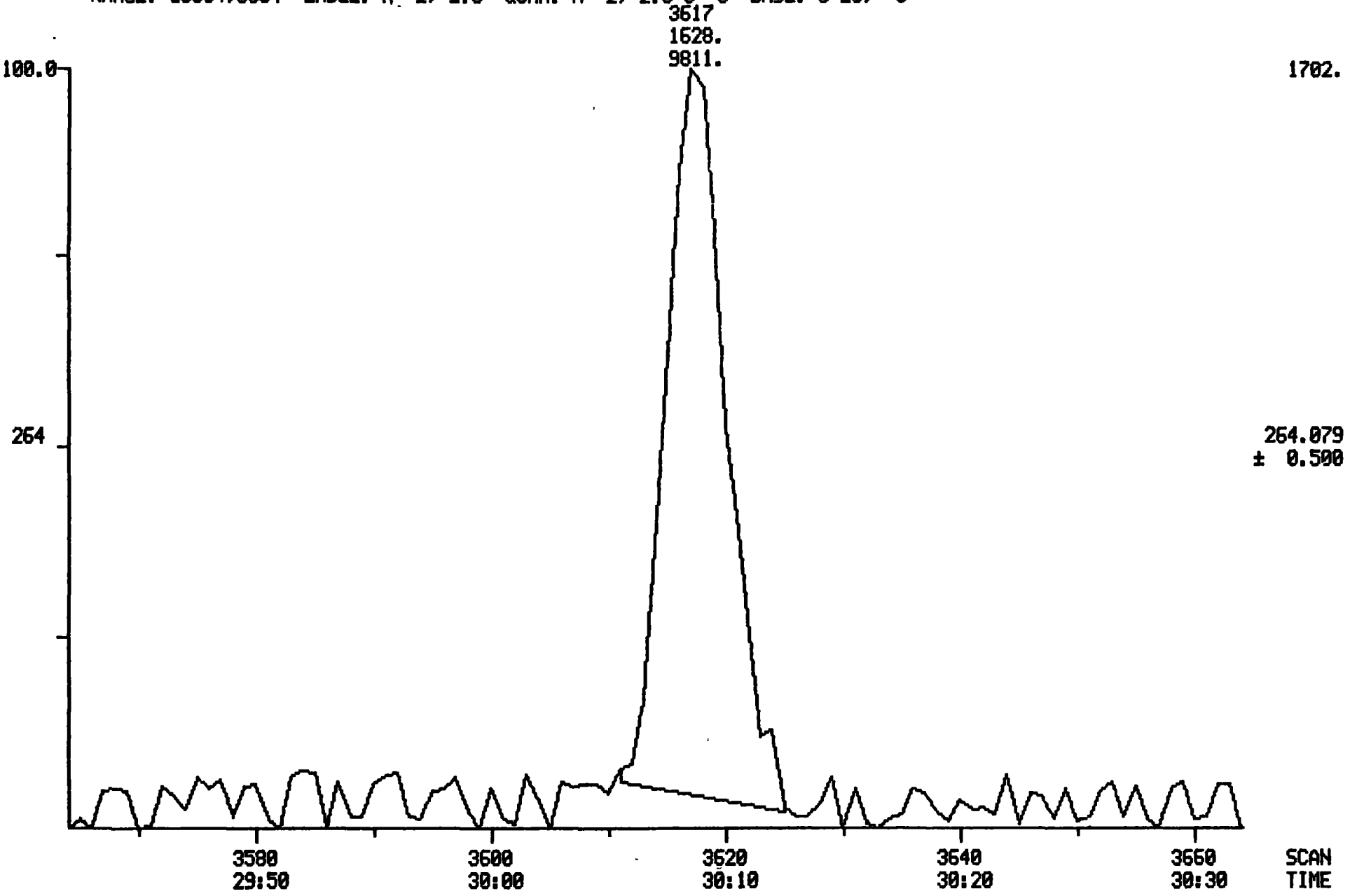
AMOUNT=AREA * REF AMNT/(REF AREA * RESP FACT)
Resp. fac. from Library Entry

No	Name		
1	D12-BENZO(A)PYRENE	264	IPH# 01
2	D12-CHRYSENE	240	SPH# 02
3	BENZO(A)ANTHRACENE →	228	PH# 03
4	BENZO(A)ANTHRACENE →	226	PH# 04
5	CHRYSENE	228	PH# 05
6	CHRYSENE	226	PH# 06
7	BENZO(B)FLUORANTHENE	252	PH# 07
8	BENZO(B)FLUORANTHENE	250	PH# 08
9	BENZO(K)FLUORANTHENE	252	PH# 09
10	BENZO(K)FLUORANTHENE	250	PH# 10
11	BENZO(A)PYRENE	252	PH# 13
12	BENZO(A)PYRENE	250	PH# 14

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount		%Tot
1	264	3617	30:08	1	1.000	A BB	9811.	80.000	NG/ML	17.24
2	240	3208	26:44	1	0.887	A BB	7995.	40.692	NG/ML	8.77
3	228	3204	26:42	1	0.886	A BB	7495.	39.857	NG/ML	8.59
4	226	3203	26:41	1	0.886	A BB	1636.	33.619	NG/ML	7.24
5	228	3216	26:48	1	0.889	A BB	8072.	40.301	NG/ML	8.68
6	226	3216	26:48	1	0.889	A BB	1980.	33.118	NG/ML	7.14
7	252	3531	29:25	1	0.976	A BV	7688.	40.320	NG/ML	8.69
8	250	3530	29:25	1	0.976	A BV	1227.	30.274	NG/ML	6.52
9	252	3538	29:29	1	0.978	A VB	6285.	35.905	NG/ML	7.74
10	250	3538	29:29	1	0.978	A VB	1084.	26.722	NG/ML	5.76
11	252	3624	30:12	1	1.002	A BB	5371.	38.101	NG/ML	8.21
12	250	3624	30:12	1	1.002	A BB	846.	25.141	NG/ML	5.42

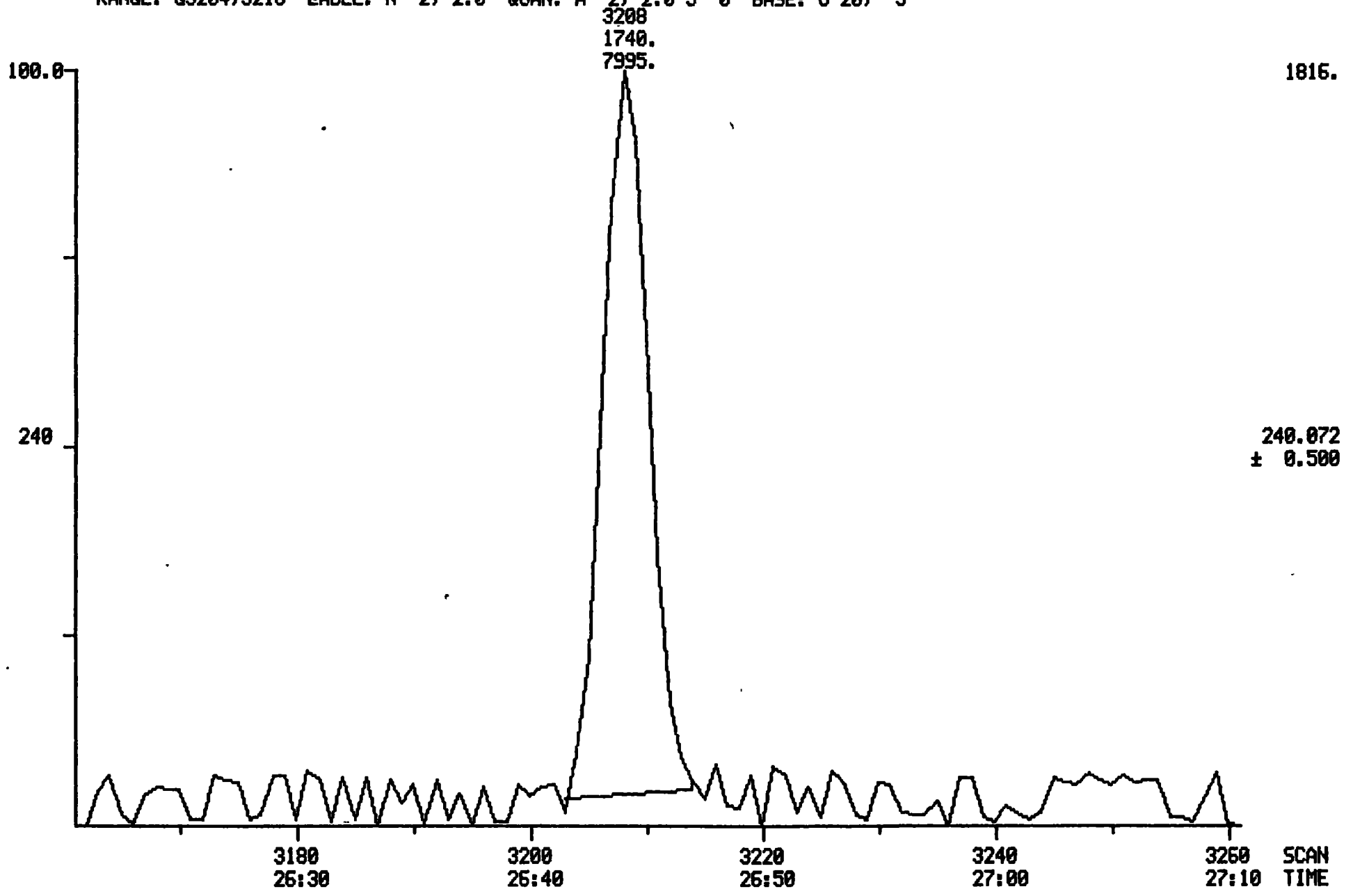
No	Ret(L)	Ratio	RRT(L)	Ratio	Amnt	Amnt(L)	R.Fac	R.Fac(L)	Ratio
1	30:07	1.00	1.000	1.00	80.00	80.00	1.000	1.000	1.00
2	26:44	1.00	0.888	1.00	40.69	40.00	1.630	1.602	1.02
3	26:41	1.00	0.886	1.00	39.86	40.00	1.528	1.533	1.00
4	26:42	1.00	0.887	1.00	33.62	40.00	0.334	0.397	0.84
5	26:48	1.00	0.890	1.00	40.30	40.00	1.645	1.633	1.01
6	26:48	1.00	0.890	1.00	33.12	40.00	0.404	0.488	0.83
7	29:25	1.00	0.977	1.00	40.32	40.00	1.567	1.555	1.01
8	29:25	1.00	0.977	1.00	30.27	40.00	0.250	0.330	0.76
9	29:28	1.00	0.978	1.00	35.91	40.00	1.281	1.427	0.90
10	29:28	1.00	0.978	1.00	26.72	40.00	0.221	0.331	0.67
11	30:10	1.00	1.002	1.00	38.10	40.00	1.095	1.150	0.95
12	30:10	1.00	1.002	1.00	25.14	40.00	0.172	0.274	0.63

MIDMASS CHROMATOGRAM DATA: STDX743 #3614 SCANS 3564 TO 3664
10/20/87 10:38:00 CALI: 102087CX #2
SAMPLE: 40 PPB PAH STD 10-19-87 MLB
CONDS.: GC DESC ST
D12-BENZO(A)PYRENE 264IPH# 01
RANGE: G3564,3664 LABEL: N 2, 2.0 QUAN: A 2, 2.0 J 0 BASE: U 20, 3



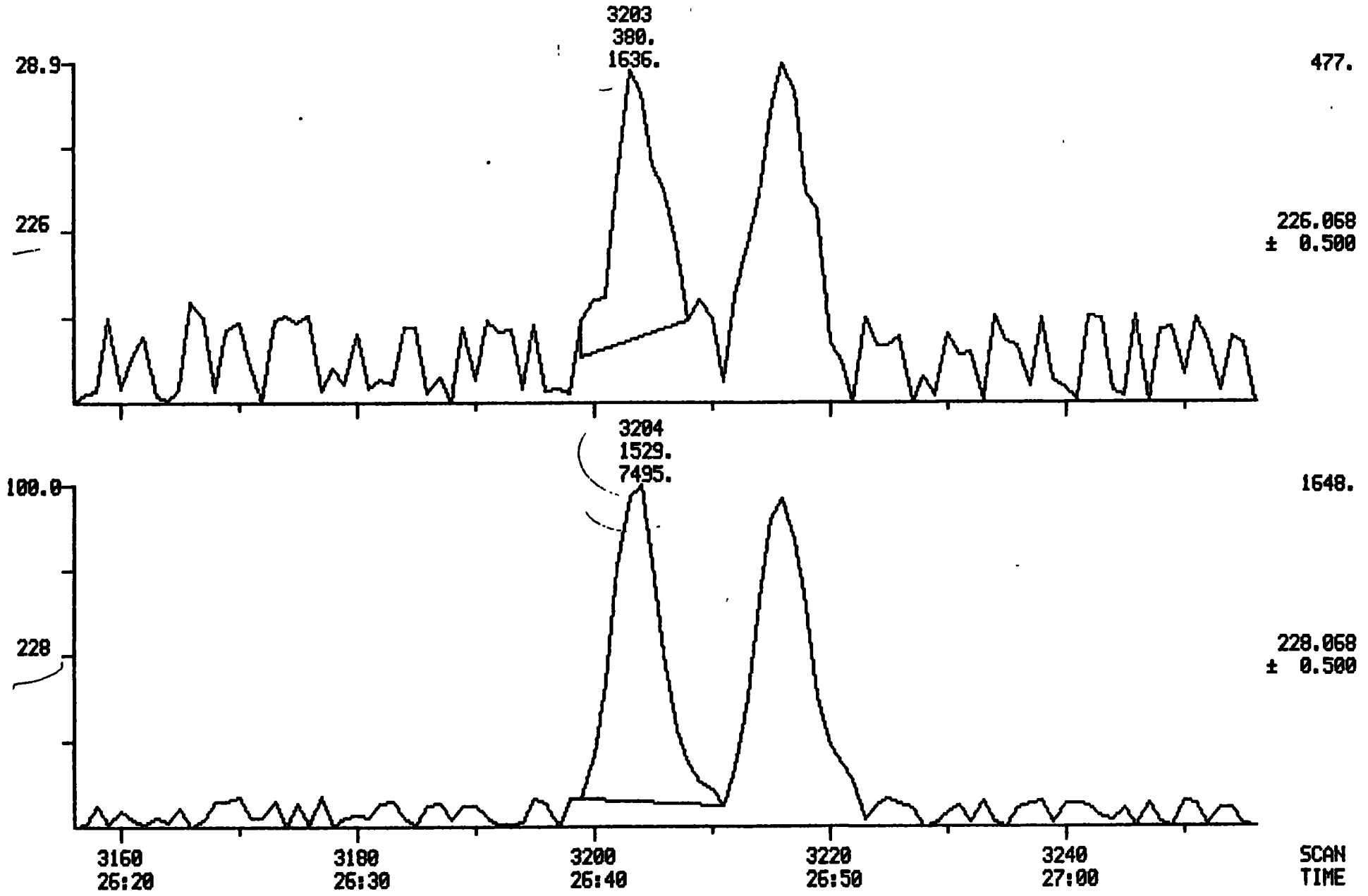
00833

MIDMASS CHROMATOGRAM DATA: STDX743 #3211 SCANS 3161 TO 3261
10/20/87 10:38:00 CALI: 102087CX #2
SAMPLE: 40 PPB PAH STD 10-19-87 MLB
CONDS.: GC DESC ST
D12-CHRYSENE 240SPH# 02
RANGE: G3204,3218 LABEL: N 2, 2.0 QUAN: A 2, 2.0 J 0 BASE: U 20, 3



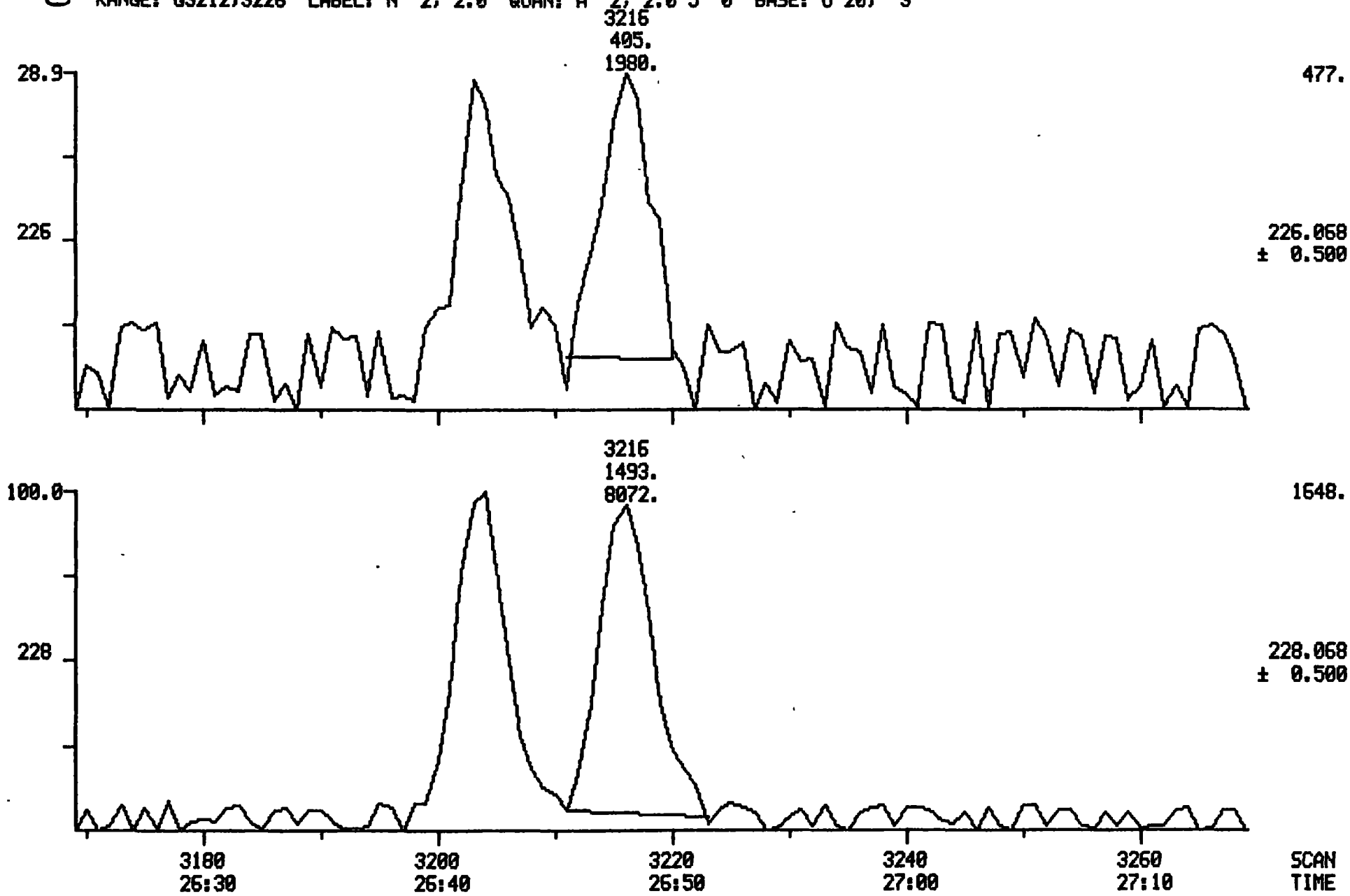
00834

MIDMASS CHROMATOGRAMS DATA: STDX743 #3206 SCANS 3156 TO 3256
10/20/87 10:38:00 CALI: 102087CX #2
SAMPLE: 40 PPB PAH STD 10-19-87 MLB
CONDS.: GC DESC ST
BENZO(A)ANTHRACENE 228 PH# 03
RANGE: G3199,3213 LABEL: N 2, 2.0 QUAN: A 2, 2.0 J 0 BASE: U 20, 3



00835

MIDMASS CHROMATOGRAMS DATA: STDX743 #3219 SCANS 3169 TO 3269
10/20/87 10:38:00 CALI: 102087CX #2
SAMPLE: 40 PPB PAH STD 10-19-87 MLB
CONDS.: GC DESC ST
CHRYSENE 228 PH# 05
RANGE: G3212,3226 LABEL: N 2, 2.0 QUAN: A 2, 2.0 J 0 BASE: U 20, 3

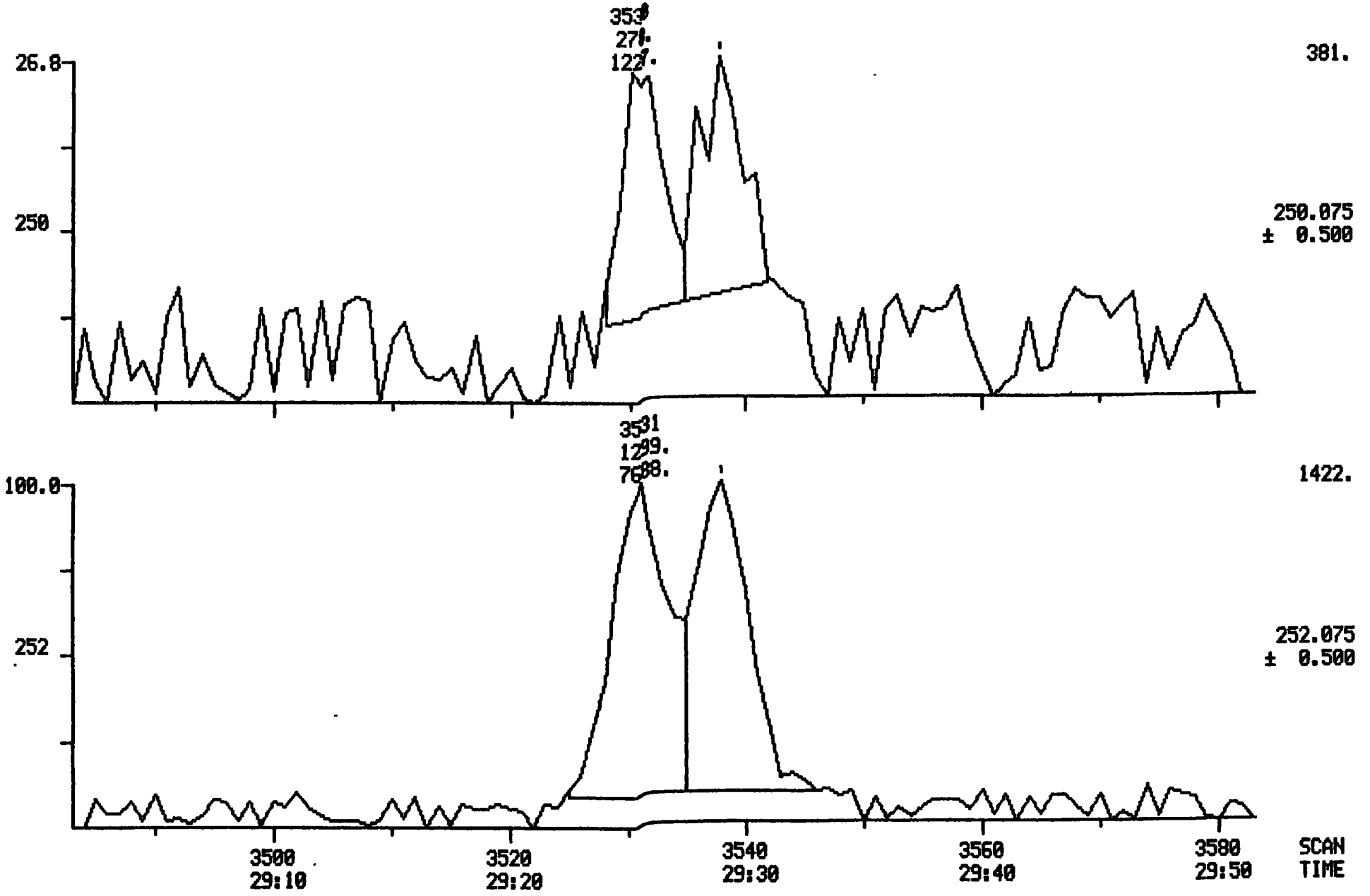


00836

MIDMASS CHROMATOGRAMS
10/20/87 10:38:00
SAMPLE: 40 PPB PAH STD 10-19-87 MLB
CONDS.: GC DESC ST
BENZO(B)FLUORANTHENE 252 PH# 07
RANGE: G3526,3540 LABEL: N 2, 2.0 QUAN: A 2, 2.0 J 0 BASE: U 20, 3

DATA: STDX74 #3533
CALI: 102087X #2

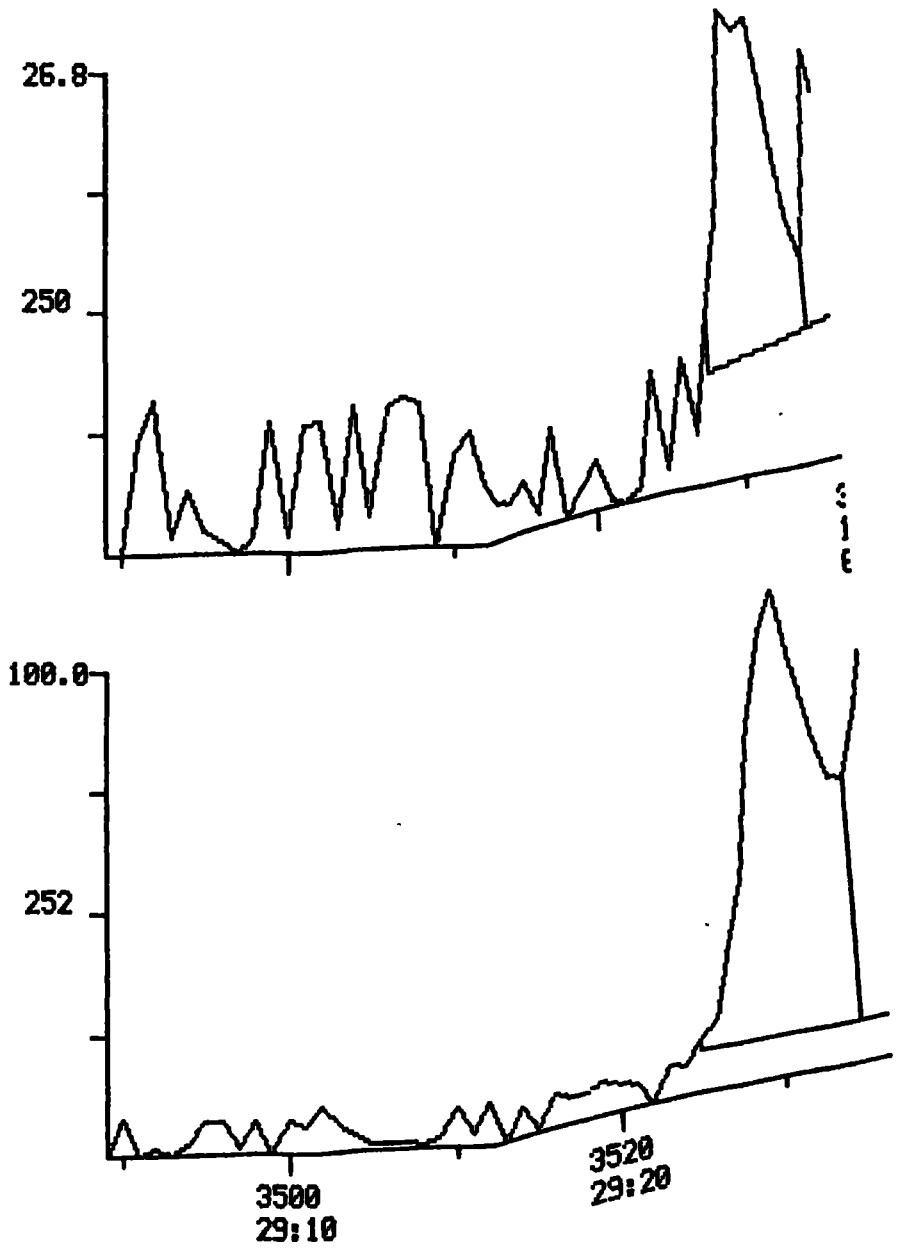
SCANS 3483 TO 3583



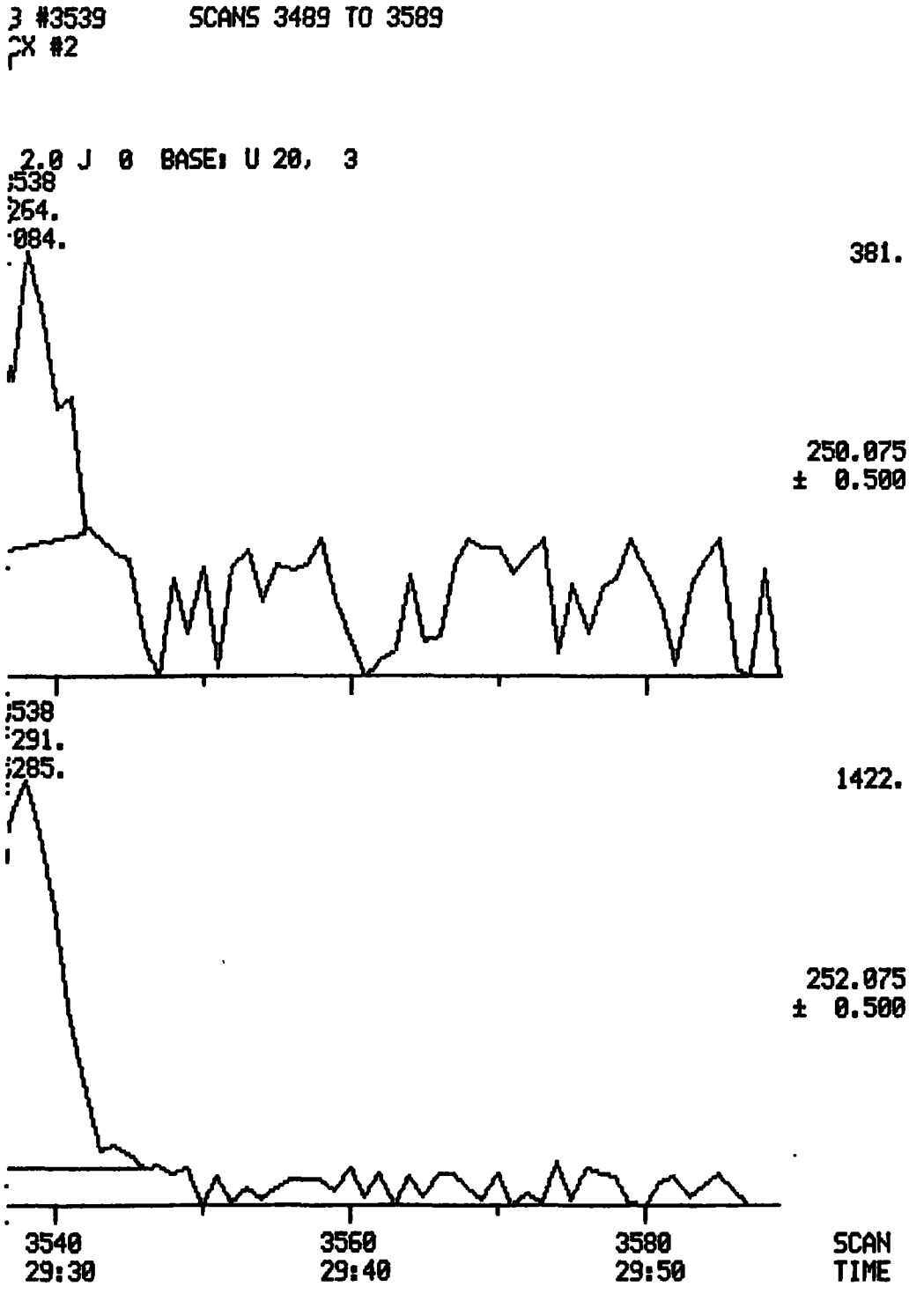
00837

MIDMASS CHROMATOGRAMS
10/20/87 10:38:00
SAMPLE: 40 PPB PAH STD 10-19-87 MLB
CONDS.: GC DESC ST
BENZO(K)FLUORANTHENE 252 PH# 09
RANGE: G3532,3546 LABEL: N 2, 2.0 QUAN: A 2,

DATA: STDX74
CALI: 102087

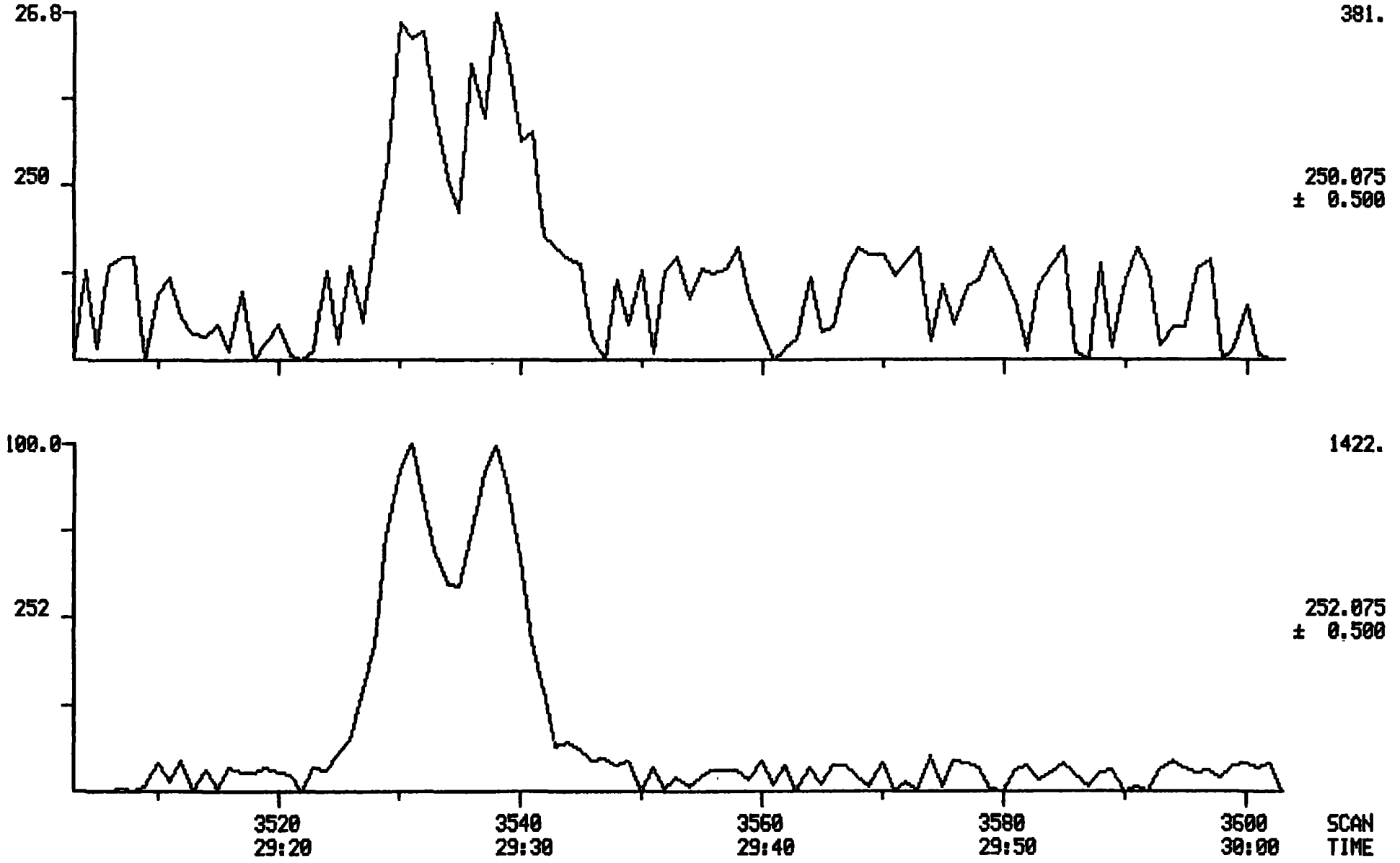


00838


3 #3539 SCANS 3489 TO 3589
2X #2
2.0 J 0 BASE: U 20, 3
538
264.
084.
381.
250.075
± 0.500
538
291.
285.
1422.
252.075
± 0.500
3540
29:30
3560
29:40
3580
29:50
SCAN
TIME

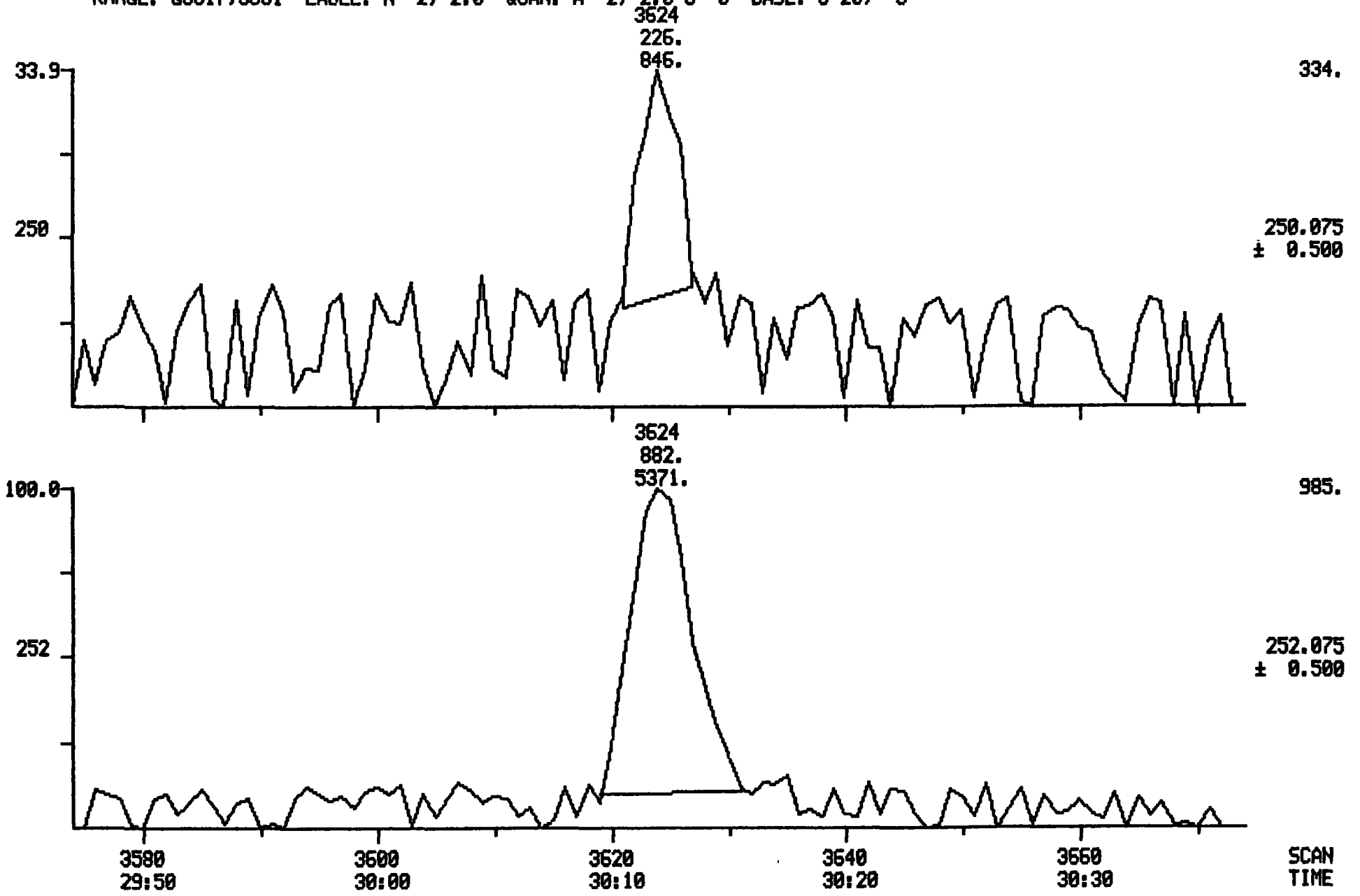
00839

MIDMASS CHROMATOGRAMS DATA: STDX743 #3553 SCANS 3503 TO 3603
10/20/87 10:38:00 CALI: 102087CX #2
SAMPLE: 40 PPB PAH STD 10-19-87 MLB
CONDS.: GC DESC ST
BENZO(J)FLUORANTHENE 252 PH# 11
RANGE: G3546,3560 LABEL: N 2, 2.0 QUAN: A 2, 2.0 J 0 BASE: U 20, 3



00840

MIDMASS CHROMATOGRAMS DATA: STDX743 #3624 SCANS 3574 TO 3674
10/20/87 10:38:00 CALI: 102087CX #2
SAMPLE: 40 PPB PAH STD 10-19-87 MLB
CONDS.: GC DESC ST
BENZO(A)PYRENE 252 PH# 13
RANGE: G3617,3631 LABEL: N 2, 2.0 QUAN: A 2, 2.0 J 0 BASE: U 20, 3



RMAL-GC/MS REILLY TAR & CHEMICAL CO. PROJECT PROCESSING PROGRAM
DATAFILE: D:STDX744. STARTED : 10/21/87 12:58:50

00841

10/20/87 11:42:00 SCAN 1 OF 3800
Acquisition started

Acquire | Run 0:STDX744 | ACQUIRING
10/20/87 11:41:00 + 0:03 | Free sectors: 27412 | Scan: 7 of 3800
Sample: 800 PPB PAH STD 10-19-87 MLB
Conds.: GC DESC ST
Formula: MID | Instrument: 4500 | Weight: 0.000
Submitted by: RMAL | Analyst: DC | Acct. No:

********** GC PARAMETERS **********
Loaded GC Desc:ST Current GC oven tmp: 31 DegC Injector : 265 DegC
Current GC Desc:ST GC elapsed time : 0: 7 min Int.oven : 250 DegC

Seq.#	Temp(C)	Rate(C/m)	Time(min)	Total time(min)		Open	Close
1	30 - 30	-	1.0	1.0	Sweep/Split	0.5	0.0
2	30 - 325	10.0	29.5	30.5	Divert	40.5	0.0
3	325 - 325	-	10.0	40.5			
4	325 - 325	-	0.0	40.5			

********** SCAN PARAMETERS **********
***** Mode: Centroid positive ion + R1 (Temp)

MID scan | Desc: P1 | Mass intervals: 3
Scan time: 0.500 s | Samp. int.: 0.200 ms | Master rate: 1024

Int #	Lo mass	Hi mass	Time	MPW	MFW	MA	TH	BL	ION
1	225.500	226.500	0.105	1	100	0	1	1	Pos
2	227.500	228.500	0.105	1	100	0	1	1	Pos
3	239.500	240.500	0.105	1	100	0	1	1	Pos

Interface number	0	
Sub-interface number	0	
# of acqu buffers	16	
Instrument type	Q	
Full scale mass	1024	u
Zero scale mass	1	u
Intensity/ion	2	
Peak Width	1000.	mmu
Offset at low mass	0	mmu
Offset at high mass	0	mmu
Voltage settling time(MS)	4	

10/20/87 12:10:25 SCAN 3407 OF 3800

MID scan | Desc: P2 | Mass intervals: 3
Scan time: 0.500 s | Samp. Int.: 0.200 ms | Master rate: 1024

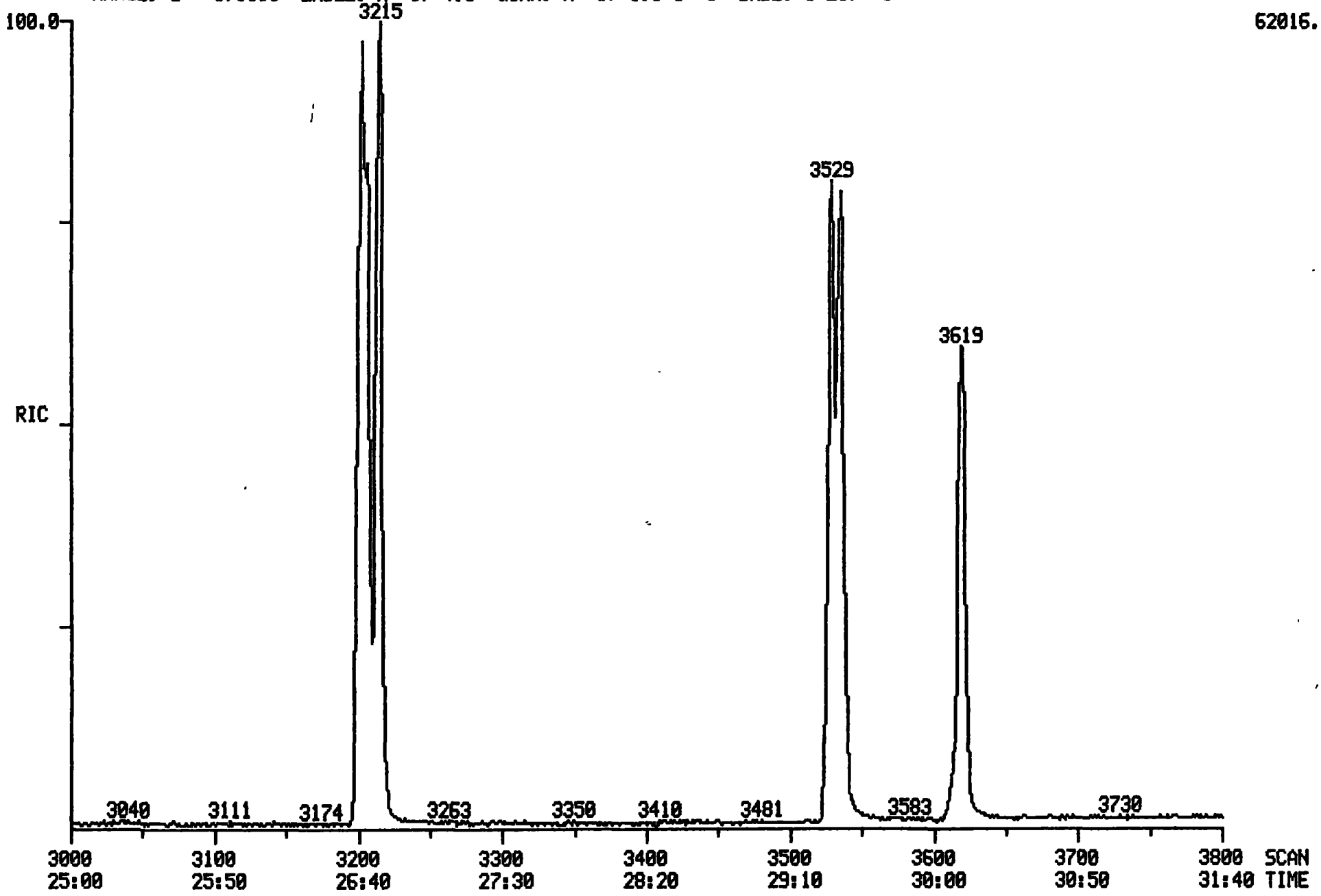
Int #	Lo mass	Hi mass	Time	MPW	MFW	MA	TH	BL	ION
1	249.575	250.575	0.105	1	100	0	1	1	Pos
2	251.575	252.575	0.105	1	100	0	1	1	Pos
3	263.579	264.579	0.105	1	100	0	1	1	Pos

10/20/87 12:13:44
ACQUISITION COMPLETED
SCANS 1 TO 3406 Centroid
SCAN 3407 Suspended
SCANS 3408 TO 3800 Centroid

Mode	Scans	Secs	Out of	%	Peaks per scan	per sec
Centroid	3799	189.7	1899.5	10.0	15196.	4. 8.

00842

MIDRIC DATA: STDX744 #1 SCANS 3000 TO 3800
10/20/87 11:41:00 CALI: 102087CX #2
SAMPLE: 800 PPB PAH STD 10-19-87 MLB
CONDS.: GC DESC ST
RANGE: G 1,3800 LABEL: N 0, 4.0 QUAN: A 0, 1.0 J 0 BASE: U 20, 3



Quantitation Report File: STDX744

Data: STDX744.TI
10/20/87 11:41:00
Sample: 800 PPB PAH STD 10-19-87 MLB
Conds.: GC DESC ST
Formula: MID Instrument: 4500 Weight: 0.000
Submitted by: RMAL Analyst: DC Acct. No.:

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

No	Name	
1	D12-BENZO(A)PYRENE	264IPH# 01
2	D12-CHRYSENE	240SPH# 02
3	BENZO(A)ANTHRACENE	228 PH# 03
4	BENZO(A)ANTHRACENE	226 PH# 04
5	CHRYSENE	228 PH# 05
6	CHRYSENE	226 PH# 06
7	BENZO(B)FLUORANTHENE	252 PH# 07
8	BENZO(B)FLUORANTHENE	250 PH# 08
9	BENZO(K)FLUORANTHENE	252 PH# 09
10	BENZO(K)FLUORANTHENE	250 PH# 10
11	BENZO(A)PYRENE	252 PH# 13
12	BENZO(A)PYRENE	250 PH# 14

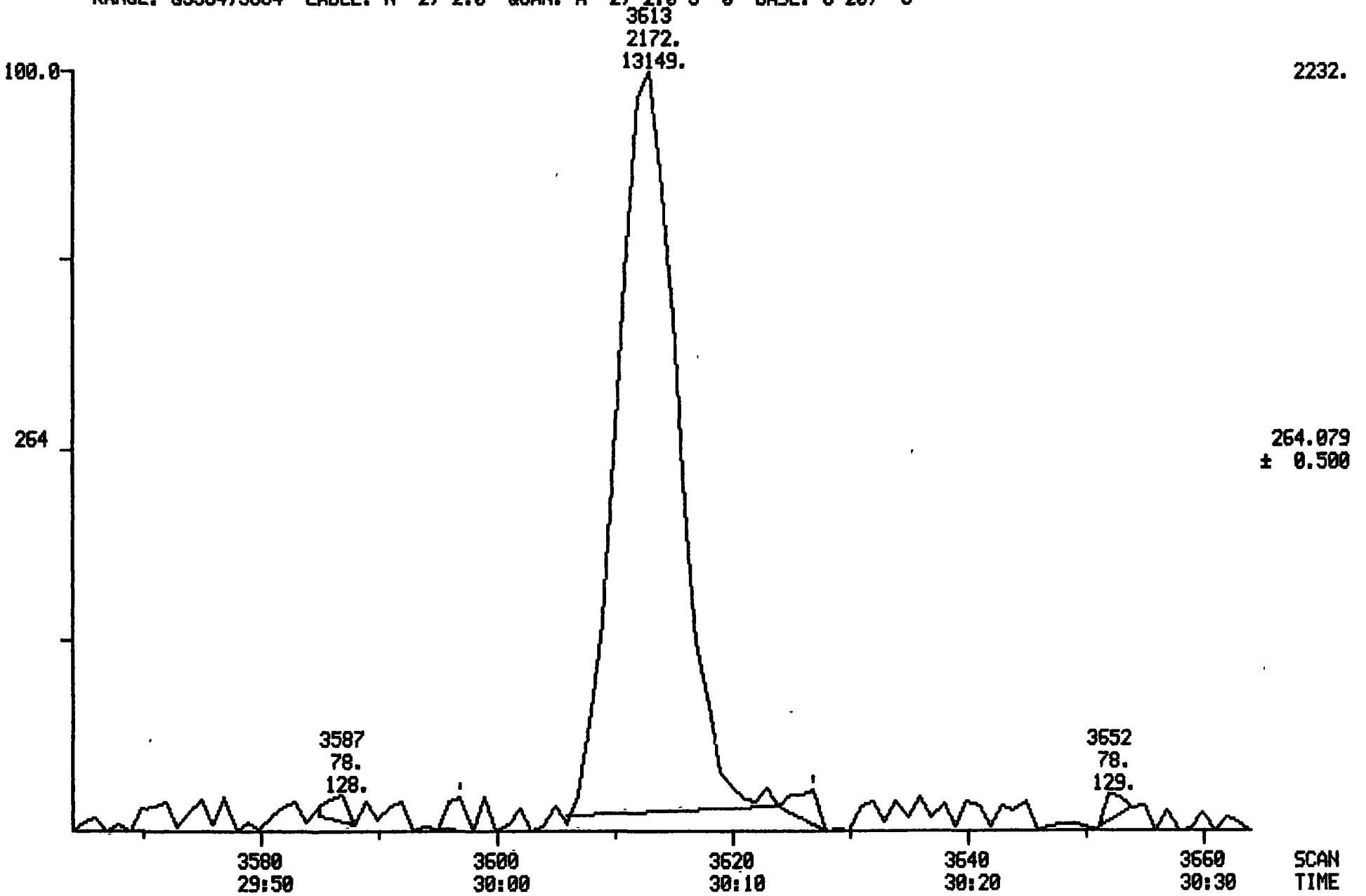
No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount		%Tot
1	264	3613	30:06	1	1.000	A BB	13149.	80.000	NG/ML	0.82
2	240	3207	26:43	1	0.888	A BB	219328.	832.891	NG/ML	8.55
3	228	3202	26:41	1	0.886	A BV	230195.	913.367	NG/ML	9.37
4	226	3202	26:41	1	0.886	A BV	58834.	902.064	NG/ML	9.26
5	228	3215	26:47	1	0.890	A VB	234391.	873.137	NG/ML	8.96
6	226	3215	26:47	1	0.890	A VB	67038.	836.620	NG/ML	8.59
7	252	3529	29:24	1	0.977	A BV	224212.	877.381	NG/ML	9.01
8	250	3529	29:24	1	0.977	A BV	49260.	906.817	NG/ML	9.31
9	252	3535	29:27	1	0.978	A VB	201670.	859.559	NG/ML	8.82
10	250	3535	29:27	1	0.978	A VB	45987.	846.215	NG/ML	8.69
11	252	3619	30:09	1	1.002	A BB	174999.	926.191	NG/ML	9.51
12	250	3620	30:10	1	1.002	A BB	40069.	888.709	NG/ML	9.12

No	Ret(L)	Ratio	RRT(L)	Ratio	Amnt	Amnt(L)	R.Fac	R.Fac(L)	Ratio
1	30:07	1.00	1.000	1.00	80.00	80.00	1.000	1.000	1.00
2	26:44	1.00	0.888	1.00	832.89	80.00	16.680	1.602	10.41
3	26:41	1.00	0.886	1.00	913.37	80.00	17.506	1.533	11.42
4	26:42	1.00	0.887	1.00	902.06	80.00	4.474	0.397	11.28
5	26:48	1.00	0.890	1.00	873.14	80.00	17.825	1.633	10.91
6	26:48	1.00	0.890	1.00	836.62	80.00	5.098	0.488	10.46
7	29:25	1.00	0.977	1.00	877.38	80.00	17.051	1.555	10.97
8	29:25	1.00	0.977	1.00	906.82	80.00	3.746	0.330	11.34
9	29:28	1.00	0.978	1.00	859.56	80.00	15.337	1.427	10.74
10	29:28	1.00	0.978	1.00	846.22	80.00	3.497	0.331	10.58
11	30:10	1.00	1.002	1.00	926.19	80.00	13.308	1.150	11.58
12	30:10	1.00	1.002	1.00	888.71	80.00	3.047	0.274	11.11

No	Ret(L)	Ratio	RRT(L)	Ratio	Amnt	Amnt(L)	R. Fac	R. Fac(L)	Ratio
12	29:28	1.00	0.978	1.00	846.22	80.00	3.497	0.331	10.58
13	30:10	1.00	1.002	1.00	926.19	80.00	13.308	1.150	11.58
14	30:10	1.00	1.002	1.00	888.71	80.00	3.047	0.274	11.11

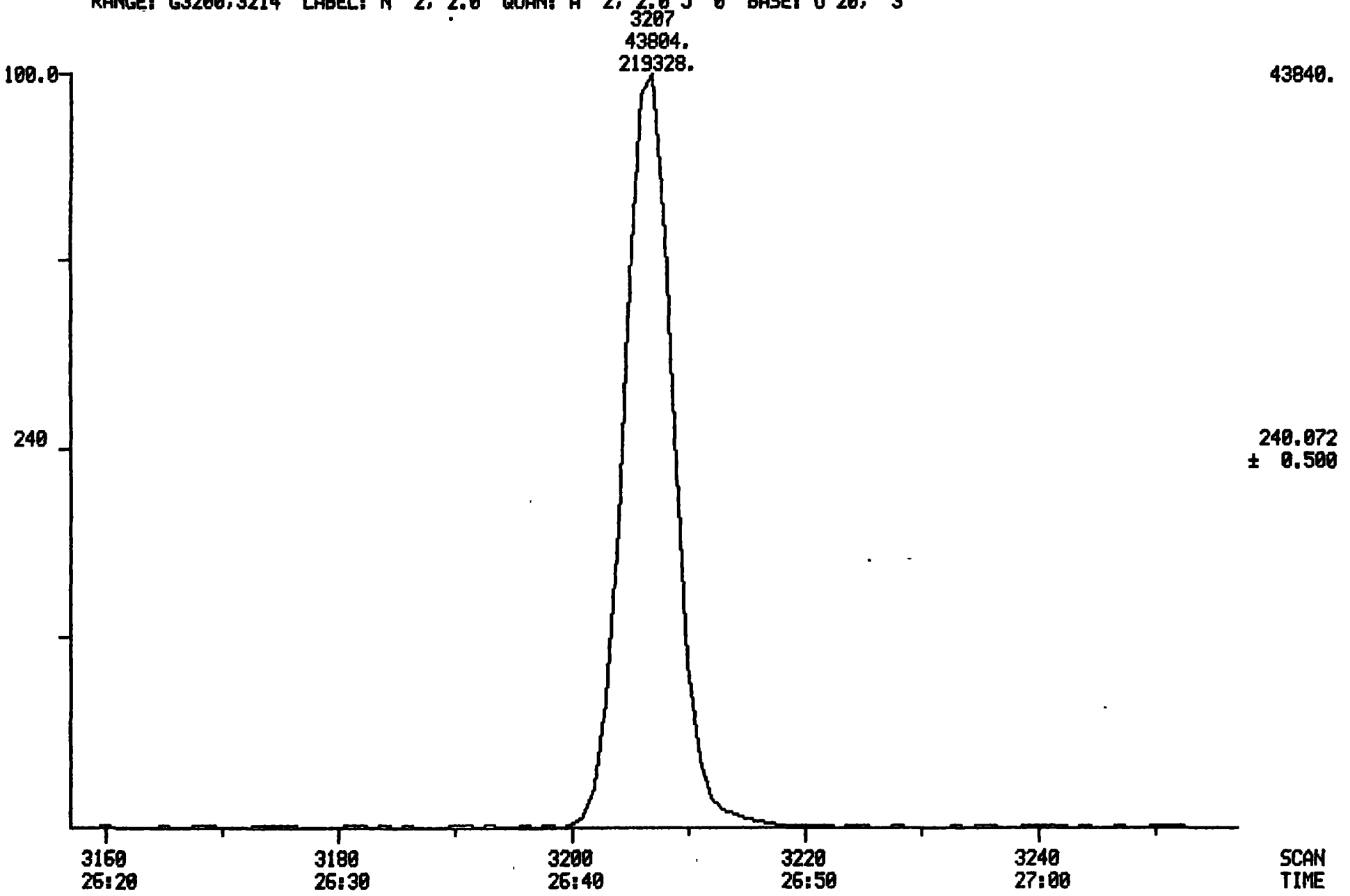
00845

MIDMASS CHROMATOGRAM DATA: STDX744 #3614 SCANS 3564 TO 3664
10/20/87 11:41:00 CALI: 102087CX #2
SAMPLE: 800 PPB PAH STD 10-19-87 MLB
CONDS.: GC DESC ST
D12-BENZO(A)PYRENE 264IPH# 01
RANGE: G3564,3664 LABEL: N 2, 2.0 QUAN: A 2, 2.0 J 0 BASE: U 20, 3



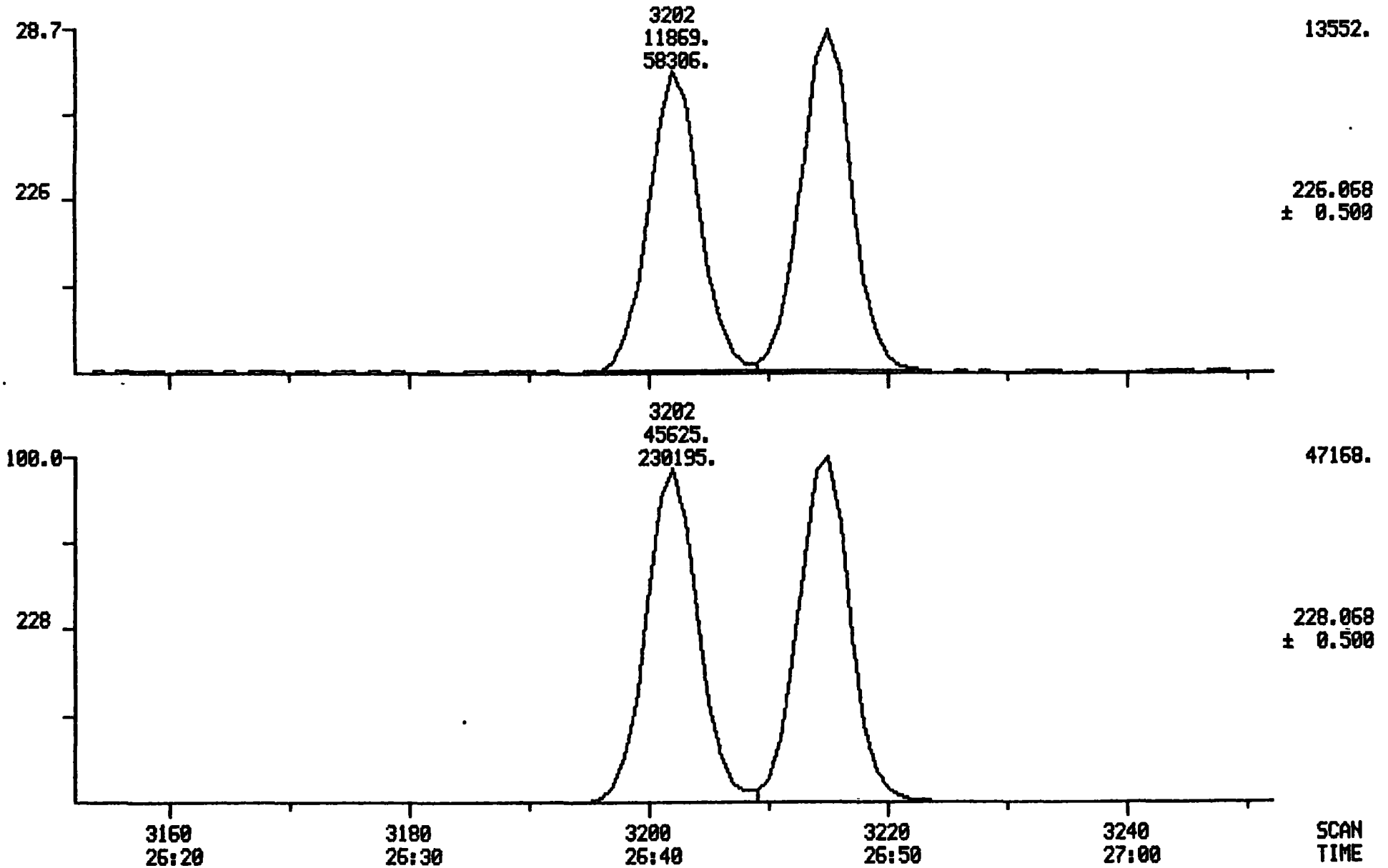
00846

MIDMASS CHROMATOGRAM DATA: STDX744 #3207 SCANS 3157 TO 3257
10/20/87 11:41:00 CALI: 102087CX #2
SAMPLE: 800 PPB PAH STD 10-19-87 MLB
CONDS.: GC DESC ST
D12-CHRYSENE 240SPH# 02
RANGE: G3200,3214 LABEL: N 2, 2.0 QUAN: A 2, 2.0 J 0 BASE: U 20, 3



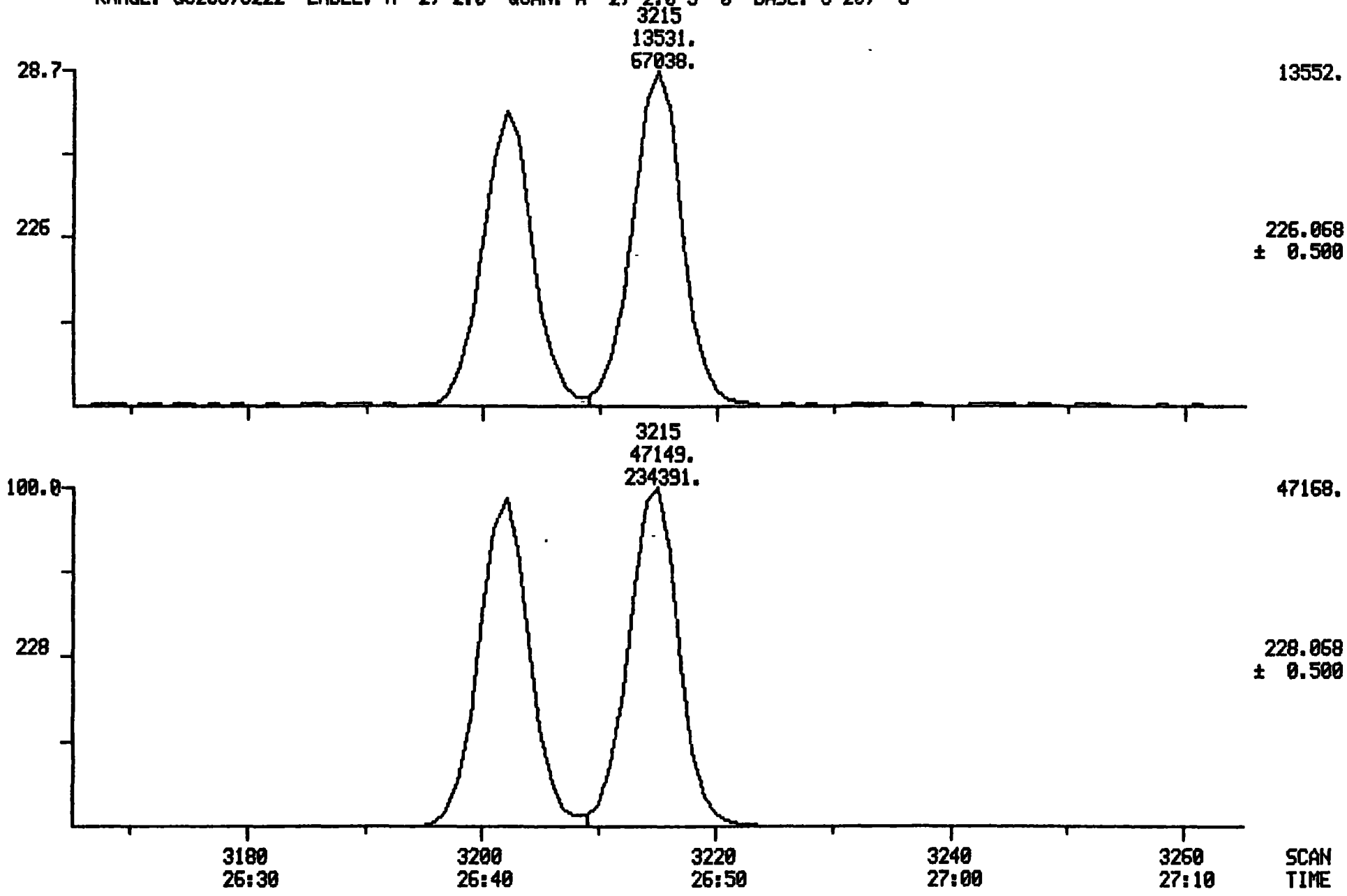
00847

MIDMASS CHROMATOGRAMS DATA: STDX744 #3202 SCANS 3152 TO 3252
10/20/87 11:41:00 CALI: 102087CX #2
SAMPLE: 800 PPB PAH STD 10-19-87 MLB
CONDS.: GC DESC ST
BENZO(A)ANTHRACENE 228 PH# 03
RANGE: G3195,3209 LABEL: N 2, 2.0 QUAN: A 2, 2.0 J 0 BASE: U 20, 3



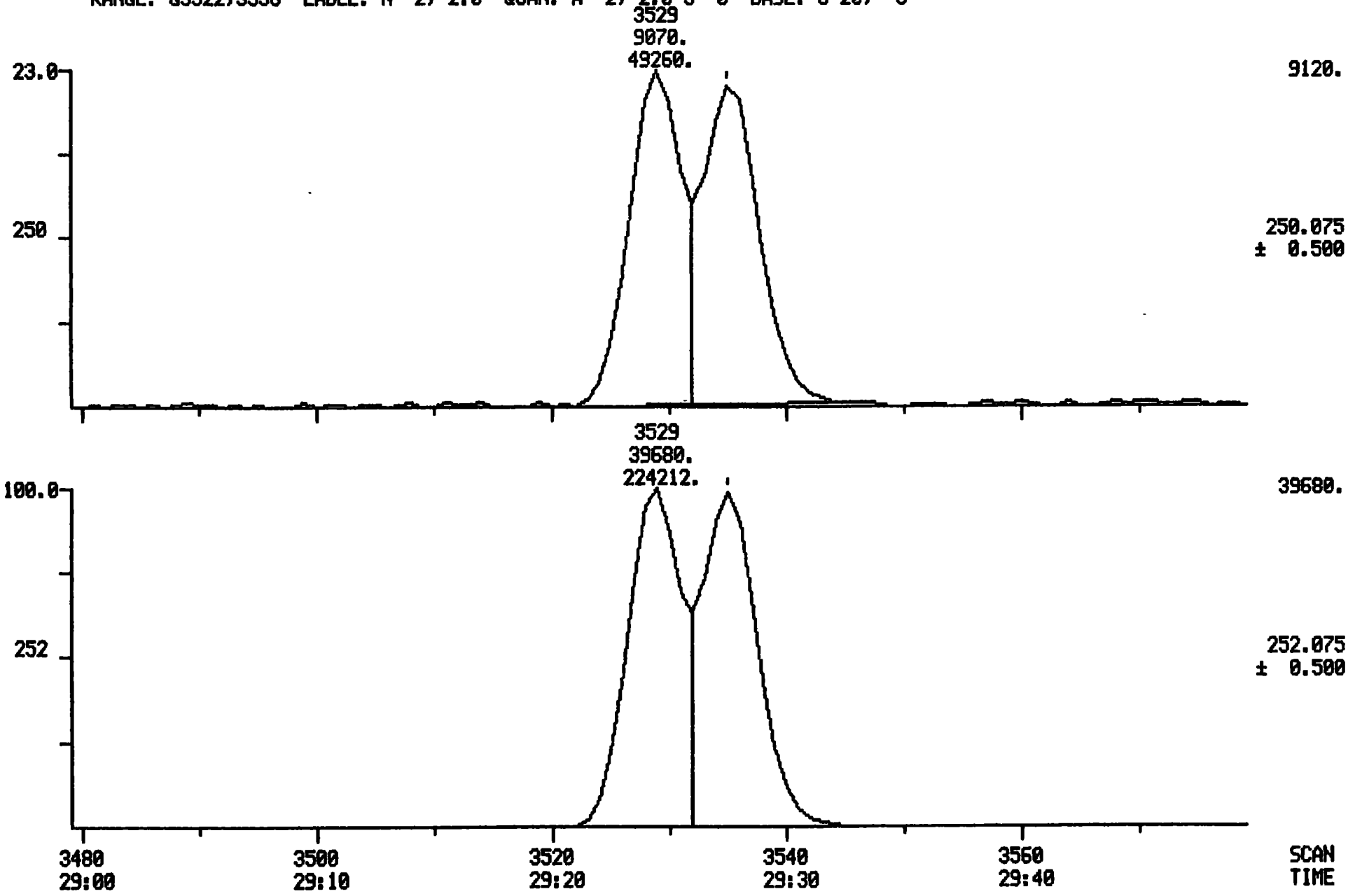
00848

MIDMASS CHROMATOGRAMS DATA: STDX744 #3215 SCANS 3165 TO 3265
10/20/87 11:41:00 CALI: 102087CX #2
SAMPLE: 800 PPB PAH STD 10-19-87 MLB
CONDS.: GC DESC ST
CHRYSENE 228 PH# 05
RANGE: G3208,3222 LABEL: N 2, 2.0 QUAN: A 2, 2.0 J 0 BASE: U 20, 3



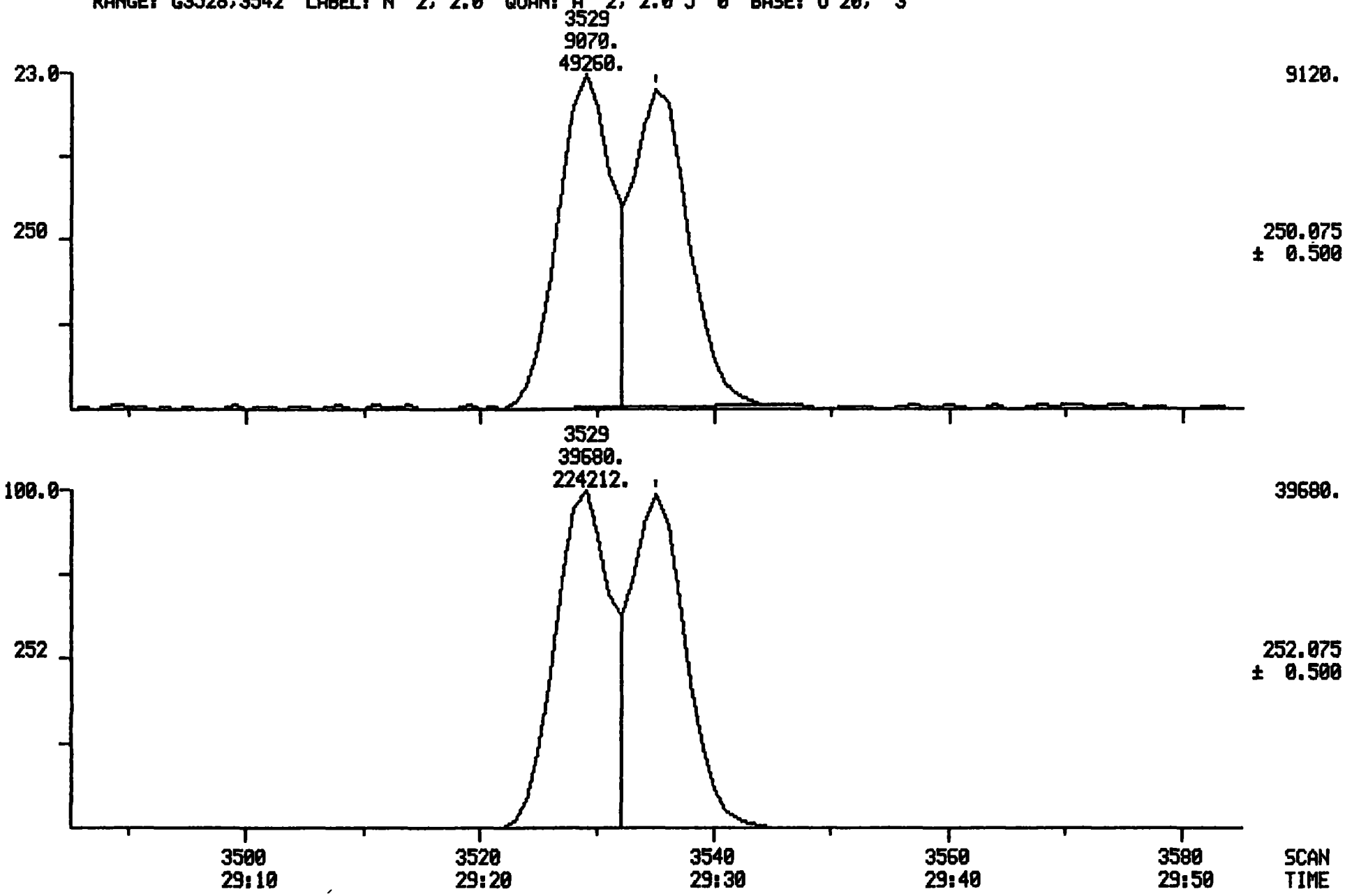
00849

MIDMASS CHROMATOGRAMS DATA: STDX744 #3529 SCANS 3479 TO 3579
10/20/87 11:41:00 CALI: 102087CX #2
SAMPLE: 800 PPB PAH STD 10-19-87 MLB
CONDS.: GC DESC ST
BENZO(B)FLUORANTHENE 252 PH# 07
RANGE: G3522,3536 LABEL: N 2, 2.0 QUAN: A 2, 2.0 J 0 BASE: U 20, 3



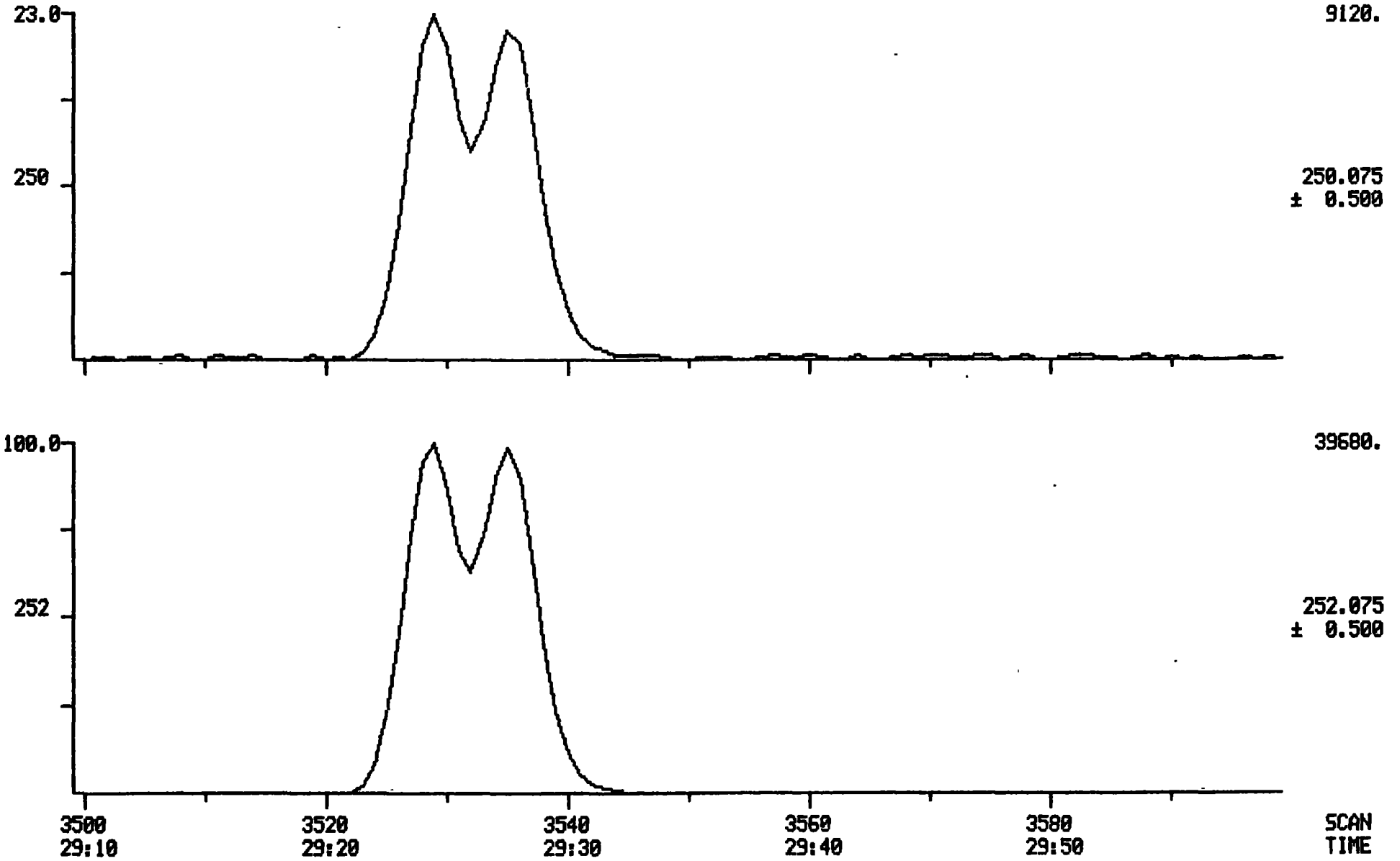
00850

MIDMASS CHROMATOGRAMS DATA: STDX744 #3535 SCANS 3485 TO 3585
10/20/87 11:41:00 CALI: 102087CX #2
SAMPLE: 800 PPB PAH STD 10-19-87 MLB
CONDS.: GC DESC ST
BENZO(K)FLUORANTHENE 252 PH# 09
RANGE: G3528,3542 LABEL: N 2, 2.0 QUAN: A 2, 2.0 J 0 BASE: U 20, 3



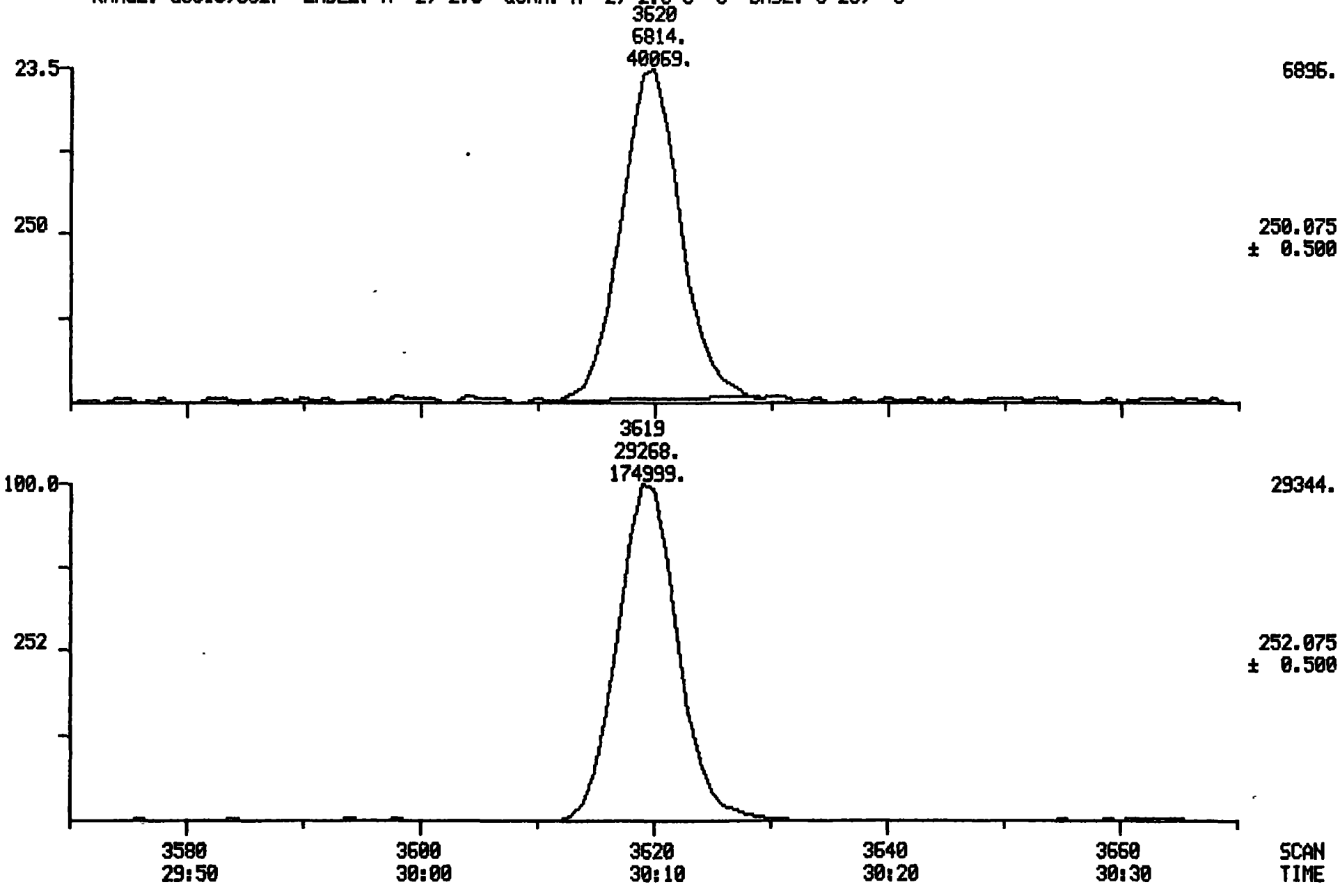
00851

MIDMASS CHROMATOGRAMS DATA: STDX744 #3549 SCANS 3499 TO 3599
10/20/87 11:41:00 CALI: 102087CX #2
SAMPLE: 800 PPB PAH STD 10-19-87 MLB
CONDS.: GC DESC ST
BENZO(J)FLUORANTHENE 252 PH# 11
RANGE: G3542,3556 LABEL: N 2, 2.0 QUAN: A 2, 2.0 J 0 BASE: U 20, 3



00852

MIDMASS CHROMATOGRAMS DATA: STDX744 #3620 SCANS 3570 TO 3670
10/20/87 11:41:00 CALI: 102087CX #2
SAMPLE: 800 PPB PAH STD 10-19-87 MLB
CONDS.: GC DESC ST
BENZO(A)PYRENE 252 PH# 13
RANGE: G3613,3627 LABEL: N 2, 2.0 QUAN: A 2, 2.0 J 0 BASE: U 20, 3



RMAL-GC/MS REILLY TAR & CHEMICAL CO. PROJECT PROCESSING PROGRAM
DATAFILE: D:STDX745. STARTED : 10/21/87 12:44:11

GK

00853

10/20/87 13:06:49 SCAN 1 OF 3800
Acquisition started

Acquire Run 0:STDX745 ACQUIRING
10/20/87 13:06:00 + 0:03 Free sectors: 27150 Scan: 7 of 3800
Sample: 400 PPB PAH STD 10-19-87 MLB
Conds.: GC DESC ST
Formula: MID Instrument: 4500 Weight: 0.000
Submitted by: RMAL Analyst: DC Acct. No:

********** GC PARAMETERS **********
Loaded GC Desc:ST Current GC oven tmp: 29 DegC Injector : 265 DegC
Current GC Desc:ST GC elapsed time : 0: 3 min Int. oven : 250 DegC

Seq.#	Temp(C)	Rate(C/m)	Time(min)	Total time(min)		Open	Close
1	30 - 30	-	1.0	1.0	Sweep/Split	0.5	0.0
2	30 - 325	10.0	29.5	30.5	Divert	40.5	0.0
3	325 - 325	-	10.0	40.5			
4	325 - 325	-	0.0	40.5			

********** SCAN PARAMETERS **********
***** Mode: Centroid positive ion + R1 (Temp)

MID scan Desc: P1 Mass intervals: 3
Scan time: 0.500 s Samp. int.: 0.200 ms Master rate: 1024

Int #	Lo mass	Hi mass	Time	MPW	MFW	MA	TH	BL	ION
1	225.500	226.500	0.105	1	100	0	1	1	Pos
2	227.500	228.500	0.105	1	100	0	1	1	Pos
3	239.500	240.500	0.105	1	100	0	1	1	Pos

Interface number	0	
Sub-interface number	0	
# of acqu buffers	16	
Instrument type	Q	
Full scale mass	1024	u
Zero scale mass	1	u
Intensity/ion	2	
Peak Width	1000.	mmu
Offset at low mass	0	mmu
Offset at high mass	0	mmu
Voltage settling time(MS)	4	

10/20/87 13:35:14 SCAN 3407 OF 3800

MID scan Desc: P2 Mass intervals: 3
Scan time: 0.500 s Samp. Int.: 0.200 ms Master rate: 1024

Int #	Lo mass	Hi mass	Time	MPW	MFW	MA	TH	BL	ION
1	249.575	250.575	0.105	1	100	0	1	1	Pos
2	251.575	252.575	0.105	1	100	0	1	1	Pos
3	263.579	264.579	0.105	1	100	0	1	1	Pos

10/20/87 13:38:33
ACQUISITION COMPLETED
SCANS 1 TO 3406 Centroid
SCAN 3407 Suspended
SCANS 3408 TO 3800 Centroid

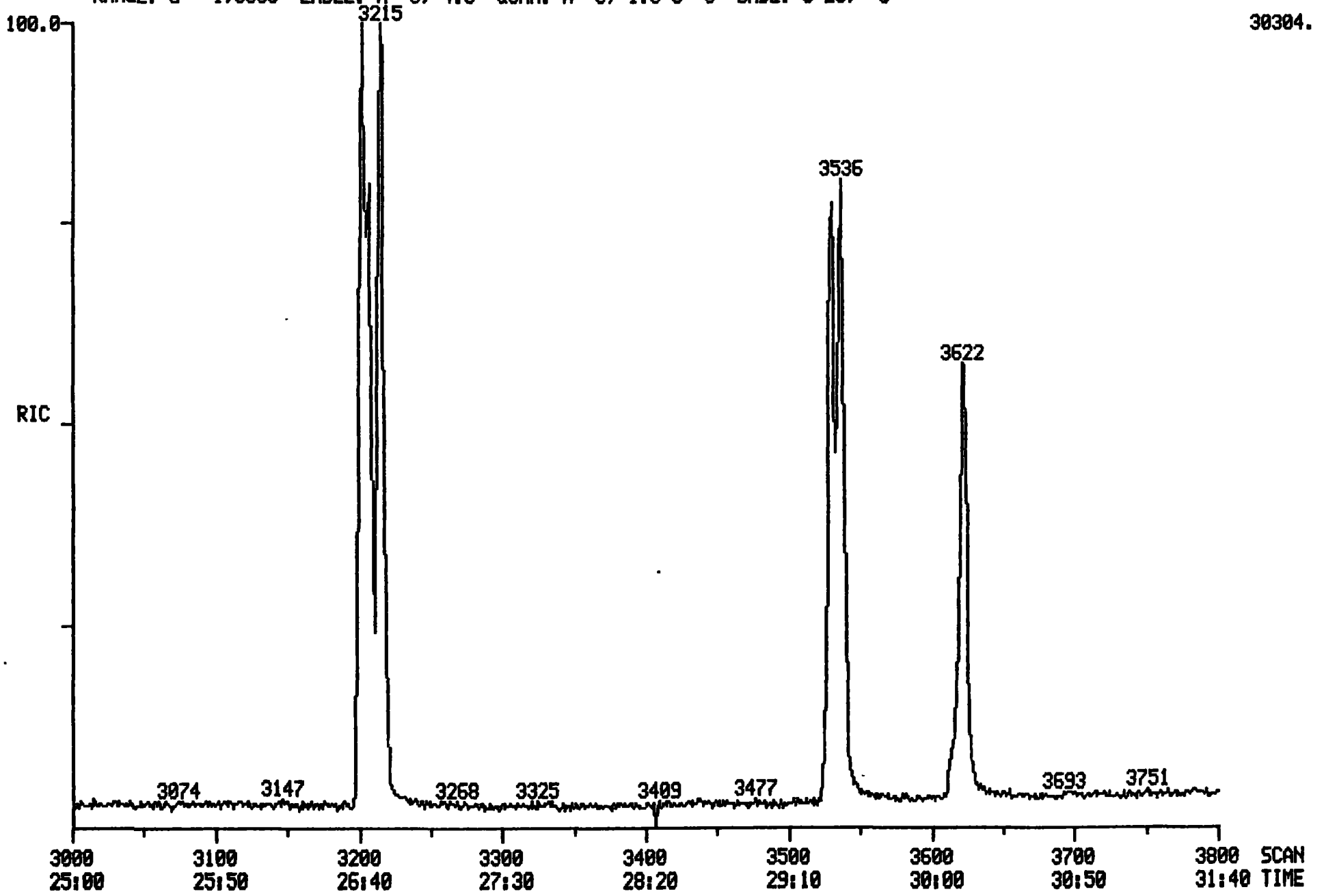
Mode	Scans	Secs	Out of	%	Peaks per scan	per sec
Centroid	3799	189.3	1899.5	10.0	14951. 4.	8.

00854

MIDRIC
10/20/87 13:06:00
SAMPLE: 400 PPB PAH STD 10-19-87 MLB
CONDS.: GC DESC ST
RANGE: G 1,3800 LABEL: N 0, 4.0 QUAN: A 0, 1.0 J 0 BASE: U 20, 3

DATA: STDX745 #1
CALI: 102087CX #2

SCANS 3000 TO 3800



Quantitation Report File: STDX745

00855

Data: STDX745.TI
10/20/87 13:06:00
Sample: 400 PPB PAH STD 10-19-87 MLB
Conds.: GC DESC ST
Formula: MID Instrument: 4500 Weight: 0.000
Submitted by: RMAL Analyst: DC Acct. No.:

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

No	Name	
1	D12-BENZO(A)PYRENE	264IPH# 01
2	D12-CHRYSENE	240SPH# 02
3	BENZO(A)ANTHRACENE	228 PH# 03
4	BENZO(A)ANTHRACENE	226 PH# 04
5	CHRYSENE	228 PH# 05
6	CHRYSENE	226 PH# 06
7	BENZO(B)FLUORANTHENE	252 PH# 07
8	BENZO(B)FLUORANTHENE	252 PH# 07
9	BENZO(B)FLUORANTHENE	250 PH# 08
10	BENZO(B)FLUORANTHENE	250 PH# 08
11	BENZO(K)FLUORANTHENE	252 PH# 09
12	BENZO(K)FLUORANTHENE	252 PH# 09
13	BENZO(K)FLUORANTHENE	250 PH# 10
14	BENZO(K)FLUORANTHENE	250 PH# 10
15	BENZO(A)PYRENE	252 PH# 13
16	BENZO(A)PYRENE	250 PH# 14

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount		%Tot
1	264	3615	30:07	1	1.000	A BB	11709.	80.000	NG/ML	1.14
2	240	3207	26:43	1	0.887	A BB	104805.	446.957	NG/ML	6.40
3	228	3202	26:41	1	0.886	A BV	111657.	497.539	NG/ML	7.12
4	226	3202	26:41	1	0.886	A BV	27860.	479.716	NG/ML	6.87
5	228	3215	26:47	1	0.889	A VB	114351.	478.379	NG/ML	6.85
6	226	3216	26:48	1	0.890	A VB	31303.	438.718	NG/ML	6.28
7	252	3530	29:25	1	0.976	A BV	100582.	442.018	NG/ML	6.33
8	252	3536	29:28	1	0.978	A VB	97762.	429.624	NG/ML	6.15
9	250	3530	29:25	1	0.976	A BV	22266.	460.321	NG/ML	6.59
10	250	3537	29:28	1	0.978	A VB	21785.	450.365	NG/ML	6.45
11	252	3530	29:25	1	0.976	A BV	100775.	482.364	NG/ML	6.90
12	252	3536	29:28	1	0.978	A VB	98455.	471.261	NG/ML	6.74
13	250	3530	29:25	1	0.976	A BV	22266.	460.135	NG/ML	6.59
14	250	3537	29:28	1	0.978	A VB	21785.	450.183	NG/ML	6.44
15	252	3622	30:11	1	1.002	A BB	80014.	475.577	NG/ML	6.81
16	250	3623	30:11	1	1.002	A BB	17842.	444.404	NG/ML	6.36

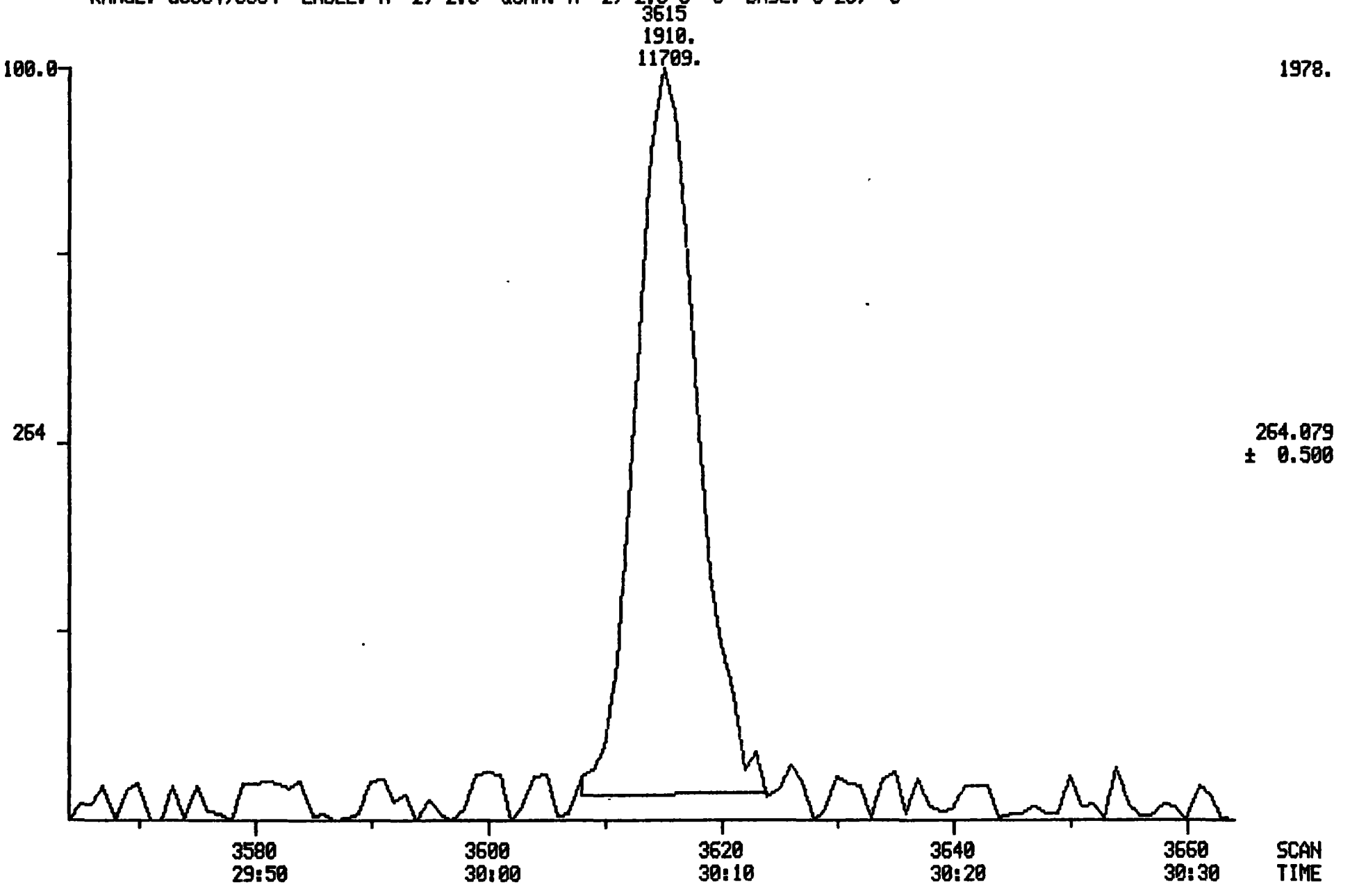
No	Ret(L)	Ratio	RRT(L)	Ratio	Amnt	Amnt(L)	R.Fac	R.Fac(L)	Ratio
1	30:07	1.00	1.000	1.00	80.00	80.00	1.000	1.000	1.00
2	26:44	1.00	0.888	1.00	446.96	80.00	8.951	1.602	5.59
3	26:41	1.00	0.886	1.00	497.54	80.00	9.536	1.533	6.22
4	26:42	1.00	0.887	1.00	479.72	80.00	2.379	0.397	6.00
5	26:48	1.00	0.890	1.00	478.38	80.00	9.766	1.633	5.98
6	26:48	1.00	0.890	1.00	438.72	80.00	2.673	0.488	5.48
7	29:25	1.00	0.977	1.00	442.02	80.00	8.590	1.555	5.53

No	Ret(L)	Ratio	RRT(L)	Ratio	Amnt	Amnt(L)	R.Fac	R.Fac(L)	Ratio
8	29:25	1.00	0.977	1.00	429.62	80.00	8.349	1.555	5.37
9	29:25	1.00	0.977	1.00	460.32	80.00	1.902	0.330	5.75
10	29:25	1.00	0.977	1.00	450.37	80.00	1.861	0.330	5.63
11	29:28	1.00	0.978	1.00	482.36	80.00	8.607	1.427	6.03
12	29:28	1.00	0.978	1.00	471.26	80.00	8.408	1.427	5.89
13	29:28	1.00	0.978	1.00	460.13	80.00	1.902	0.331	5.75
14	29:28	1.00	0.978	1.00	450.18	80.00	1.861	0.331	5.63
15	30:10	1.00	1.002	1.00	475.58	80.00	6.834	1.150	5.94
16	30:10	1.00	1.002	1.00	444.40	80.00	1.524	0.274	5.56

00856

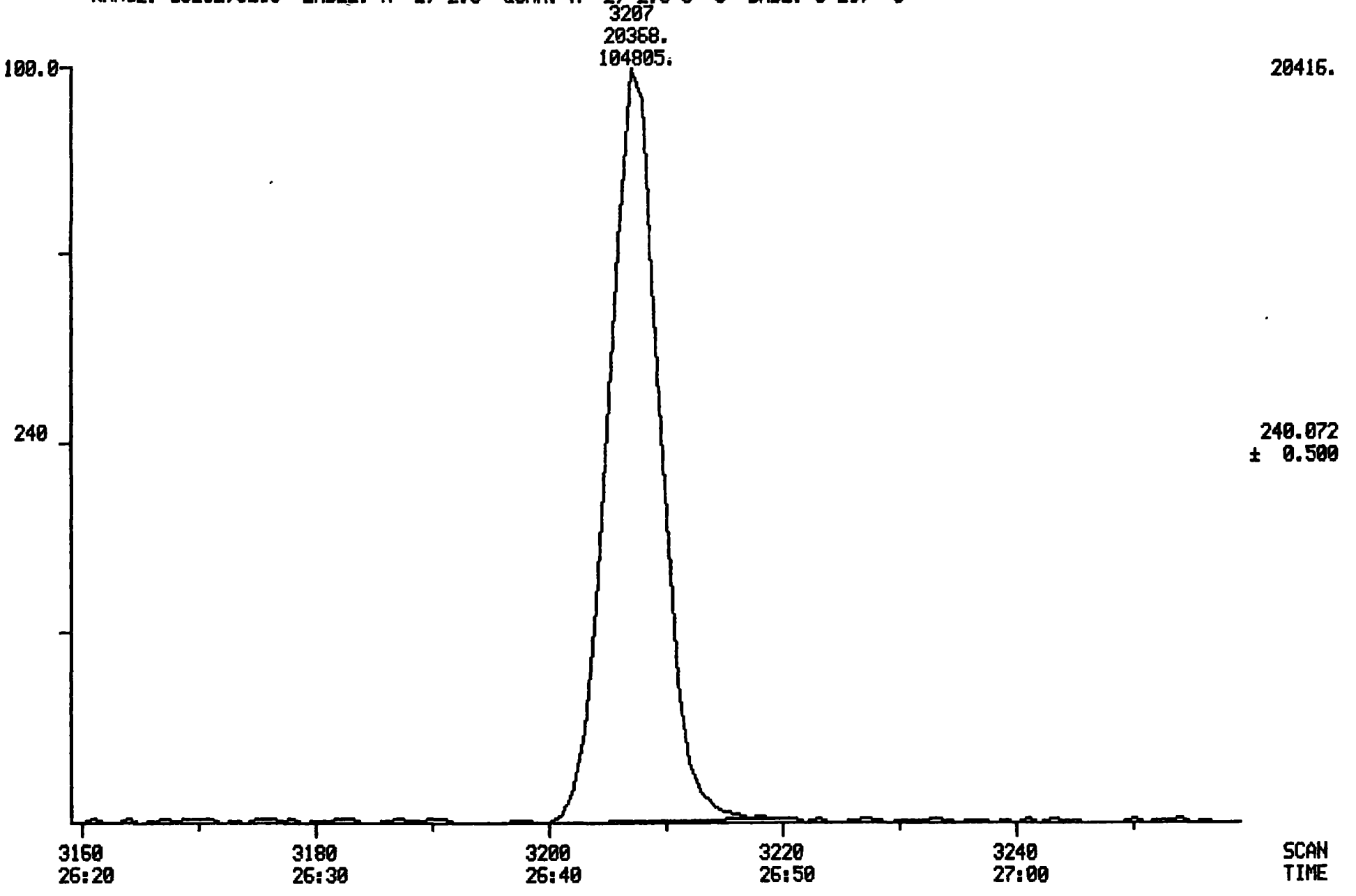
00857

MIDMASS CHROMATOGRAM DATA: STDX745 #3614 SCANS 3564 TO 3664
10/20/87 13:06:00 CALI: 102087CX #2
SAMPLE: 400 PPB PAH STD 10-19-87 MLB
CONDS.: GC DESC ST
D12-BENZO(A)PYRENE 264IPH# 01
RANGE: G3564,3664 LABEL: N 2, 2.0 QUAN: A 2, 2.0 J 0 BASE: U 20, 3



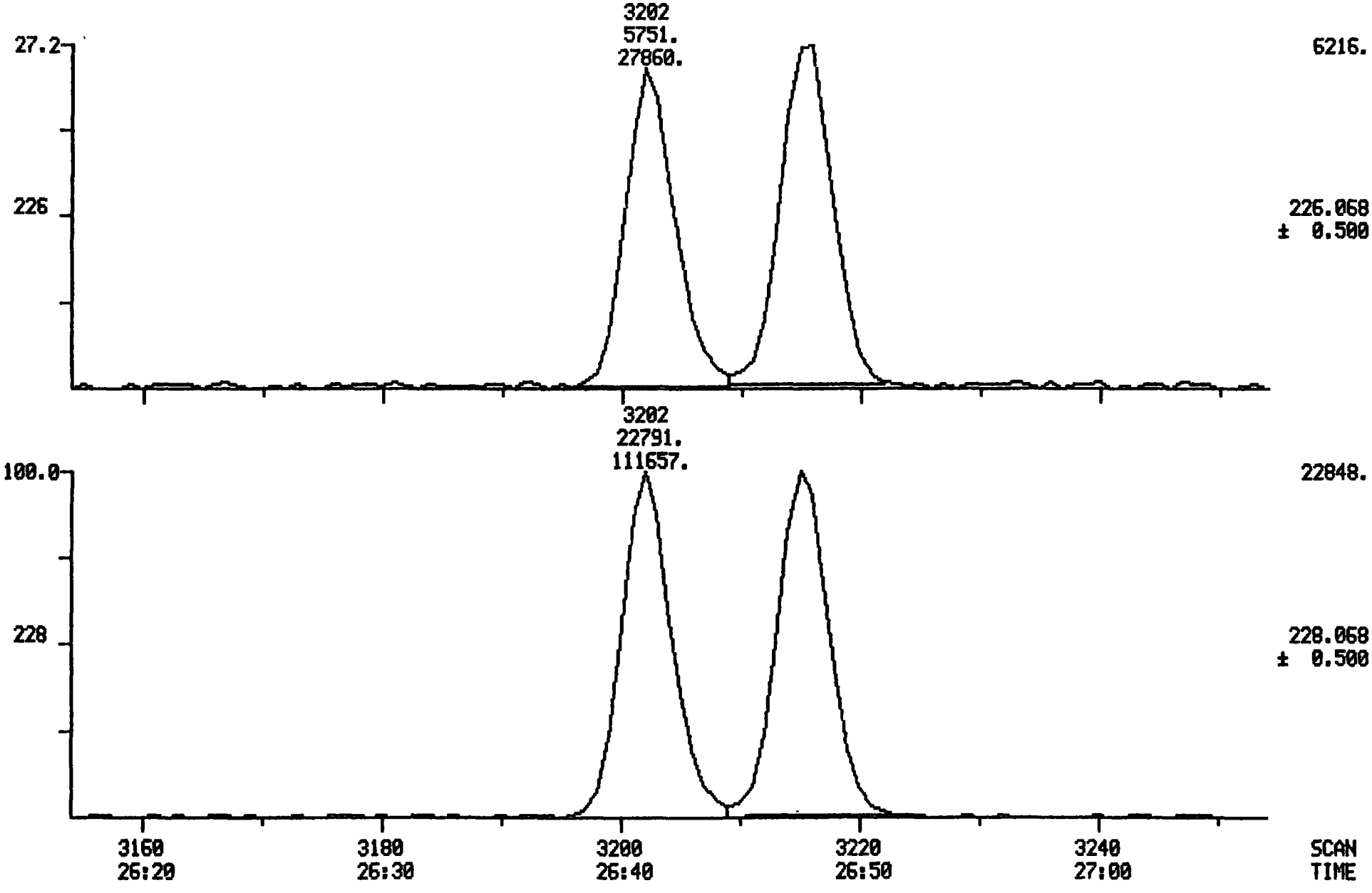
00858

MIDMASS CHROMATOGRAM DATA: STDX745 #3209 SCANS 3159 TO 3259
10/20/87 13:06:00 CALI: 102087CX #2
SAMPLE: 400 PPB PAH STD 10-19-87 MLB
CONDS.: GC DESC ST
D12-CHRYSENE 240SPH# 02
RANGE: G3202,3216 LABEL: N 2, 2.0 QUAN: A 2, 2.0 J 0 BASE: U 20, 3



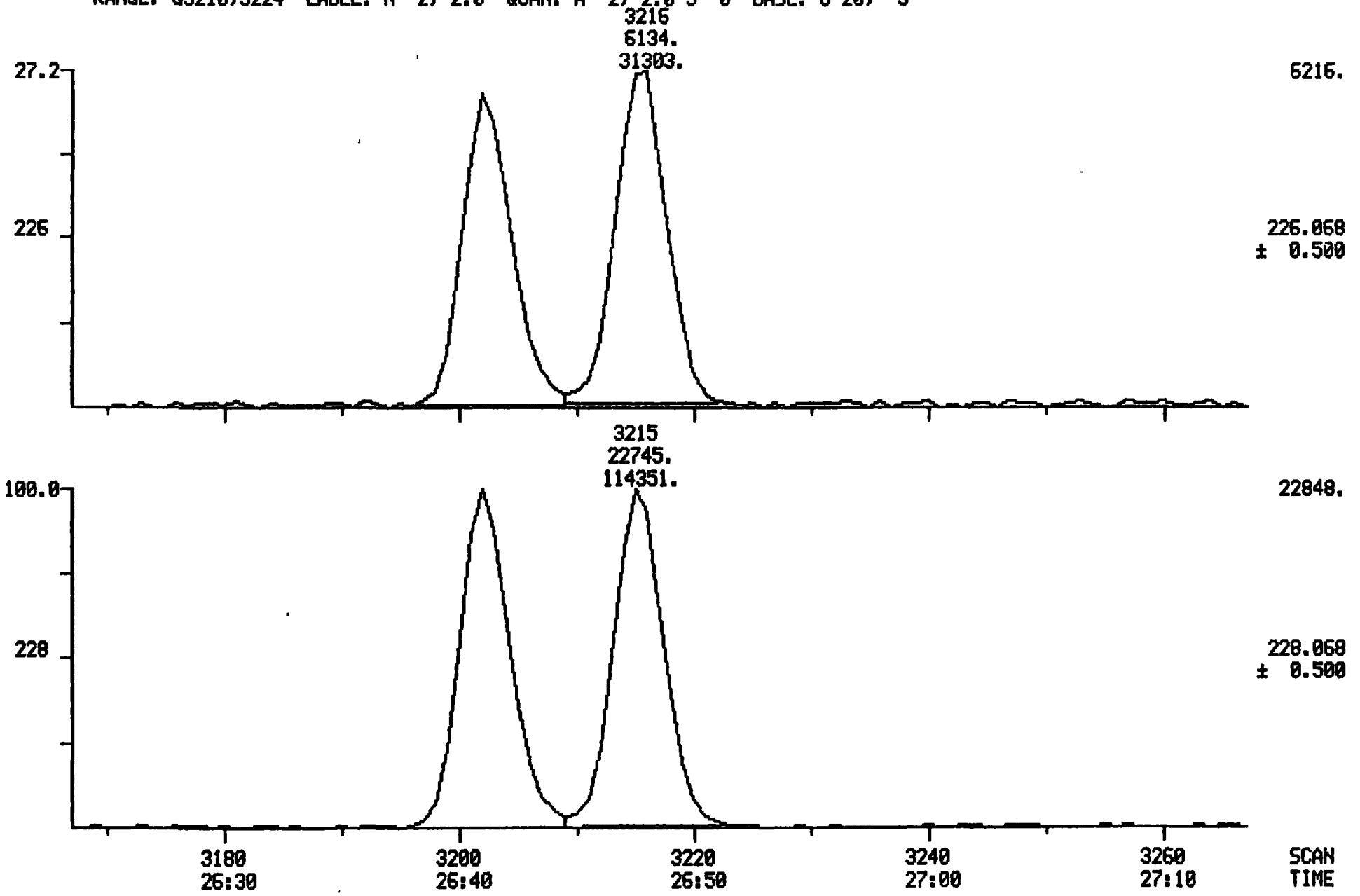
00859

MIDMASS CHROMATOGRAMS DATA: STDX745 #3204 SCANS 3154 TO 3254
10/20/87 13:06:00 CALI: 102087CX #2
SAMPLE: 400 PPB PAH STD 10-19-87 MLB
CONDS.: GC DESC ST
BENZO(A)ANTHRACENE 228 PH# 03
RANGE: G3197,3211 LABEL: N 2, 2.0 QUAN: A 2, 2.0 J 0 BASE: U 20, 3



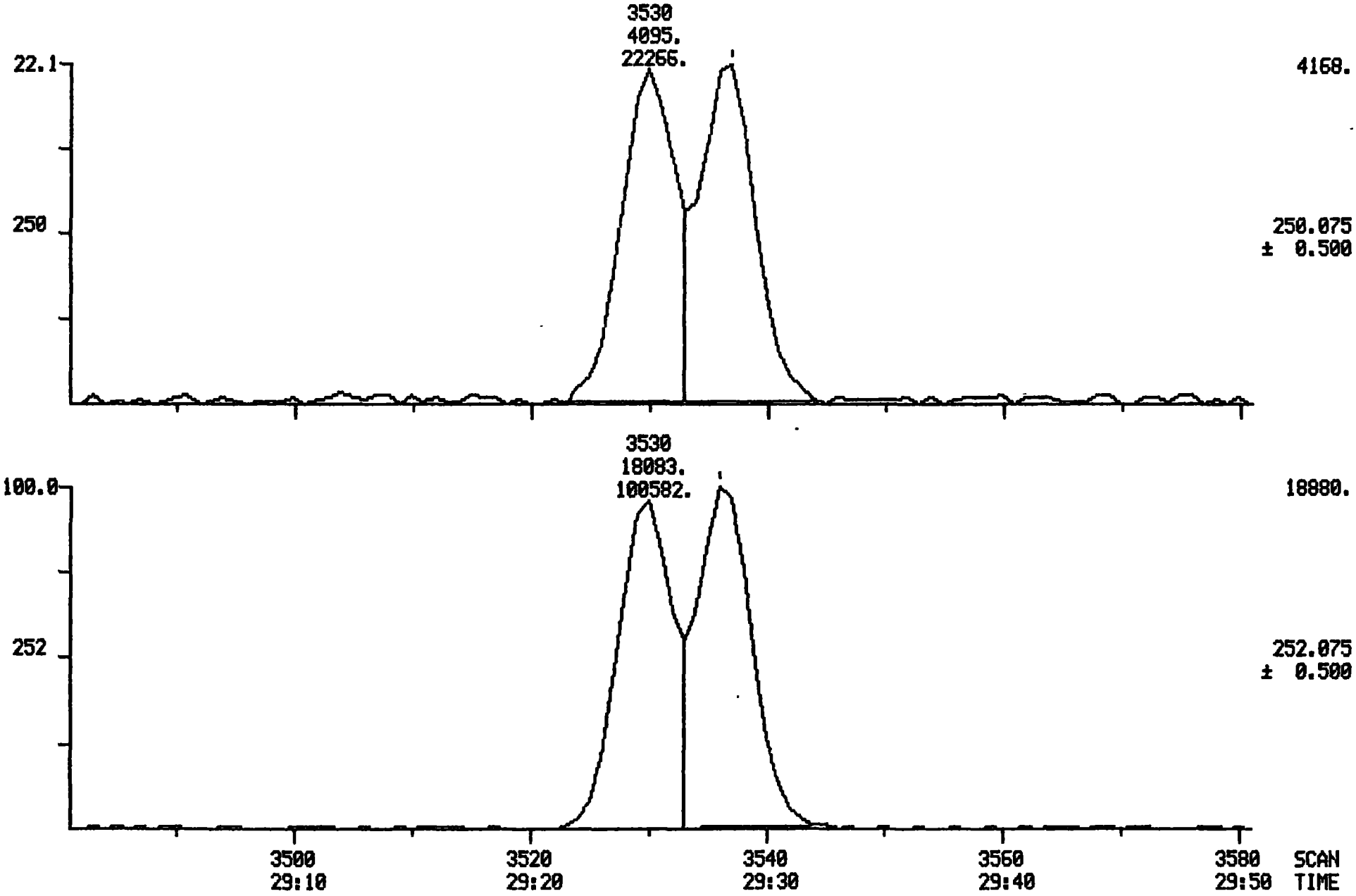
00860

MIDMASS CHROMATOGRAMS DATA: STDX745 #3217 SCANS 3167 TO 3267
10/20/87 13:06:00 CALI: 102087CX #2
SAMPLE: 400 PPB PAH STD 10-19-87 MLB
CONDS.: GC DESC ST
CHRYSENE 228 PH# 05
RANGE: G3210,3224 LABEL: N 2, 2.0 QUAN: A 2, 2.0 J 0 BASE: U 20, 3



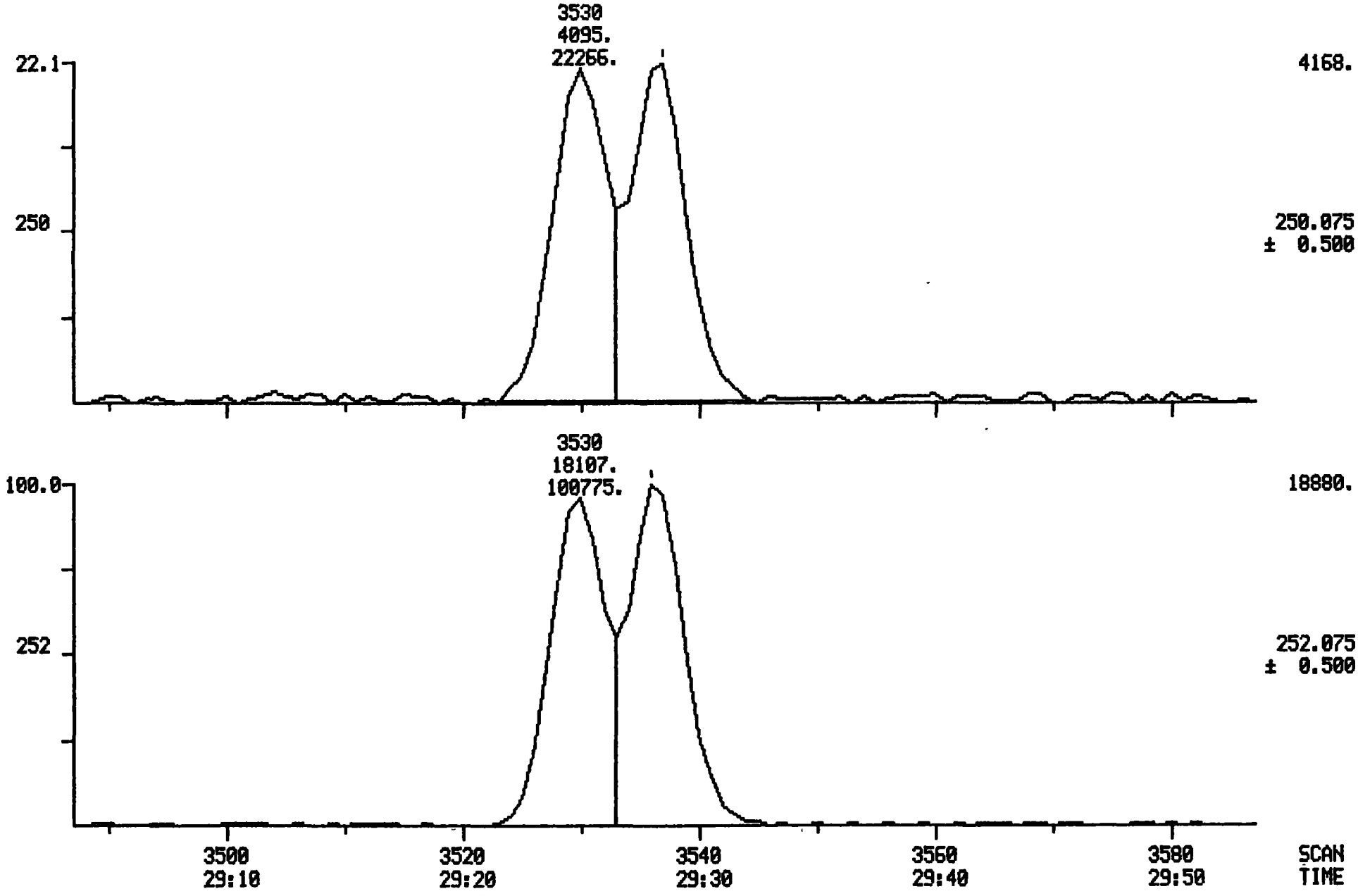
19800

MIDMASS CHROMATOGRAMS DATA: STDX745 #3531 SCANS 3481 TO 3581
10/20/87 13:06:00 CALI: 102087CX #2
SAMPLE: 400 PPB PAH STD 10-19-87 MLB
CONDS.: GC DESC ST
BENZO(B)FLUORANTHENE 252 PH# 07
RANGE: G3524,3538 LABEL: N 2, 2.0 QUAN: A 2, 2.0 J 0 BASE: U 20, 3



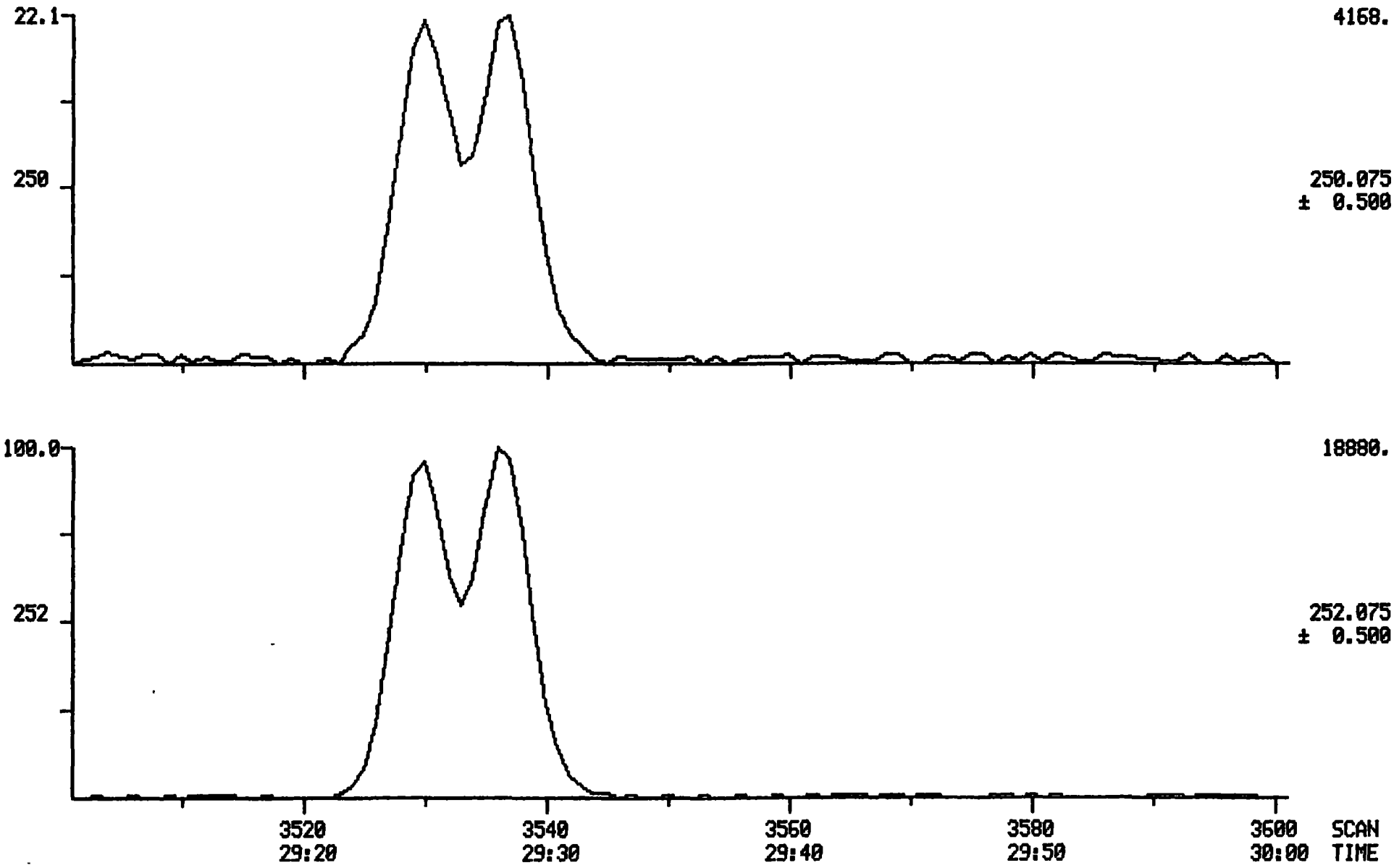
00862

MIDMASS CHROMATOGRAMS DATA: STDX745 #3537 SCANS 3487 TO 3587
10/20/87 13:06:00 CALI: 102087CX #2
SAMPLE: 400 PPB PAH STD 10-19-87 MLB
CONDS.: GC DESC ST
BENZO(K)FLUORANTHENE 252 PH# 09
RANGE: G3530,3544 LABEL: N 2, 2.0 QUAN: A 2, 2.0 J 0 BASE: U 20, 3



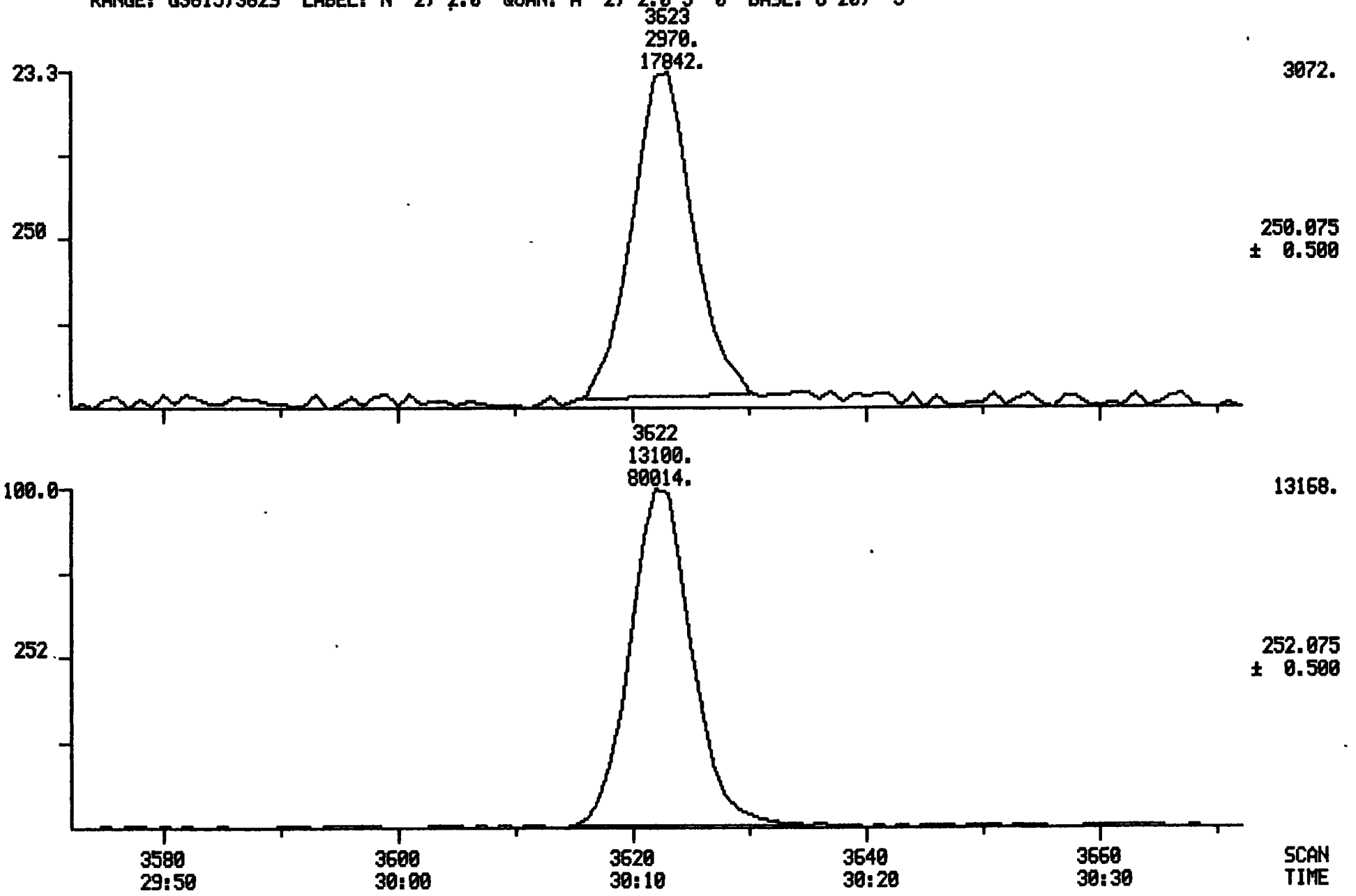
00863

MIDMASS CHROMATOGRAMS DATA: STDX745 #3551 SCANS 3501 TO 3601
10/20/87 13:06:00 CALI: 102087CX #2
SAMPLE: 400 PPB PAH STD 10-19-87 MLB
CONDS.: GC DESC ST
BENZO(J)FLUORANTHENE 252 PH# 11
RANGE: G3544,3558 LABEL: N 2, 2.0 QUAN: A 2, 2.0 J 0 BASE: U 20, 3



00864

MIDMASS CHROMATOGRAMS DATA: STDX745 #3622 SCANS 3572 TO 3672
10/20/87 13:06:00 CALI: 102087CX #2
SAMPLE: 400 PPB PAH STD 10-19-87 MLB
CONDS.: GC DESC ST
BENZO(A)PYRENE 252 PH# 13
RANGE: G3615,3629 LABEL: N 2, 2.0 QUAN: A 2, 2.0 J 0 BASE: U 20, 3



RMAL-GC/MS REILLY TAR & CHEMICAL CO. PROJECT PROCESSING PROGRAM
DATAFILE: D: STDX746. STARTED : 10/21/87 11:53:28

OK

00865 Repull Chrysene HCS

10/20/87 13:53:47 SCAN 1 OF 3800
Acquisition started

Acquire Run 0: STDX746 ACQUIRING
10/20/87 13:53:00 + 0:03 Free sectors: 26888 Scan: 7 of 3800
Sample: 200 PPB PAH STD 10-19-87 MLB
Conds.: GC DESC ST
Formula: MID Instrument: 4500 Weight: 0.000
Submitted by: RMAL Analyst: DC Acct. No:

********** GC PARAMETERS **********
Loaded GC Desc: ST Current GC oven tmp: 29 DegC Injector : 265 DegC
Current GC Desc: ST GC elapsed time : 0: 3 min Int. oven : 250 DegC

Seq. #	Temp(C)	Rate(C/m)	Time(min)	Total time(min)		Open	Close
1	30 - 30	-	1.0	1.0	Sweep/Split	0.5	0.0
2	30 - 325	10.0	29.5	30.5	Divert	40.5	0.0
3	325 - 325	-	10.0	40.5			
4	325 - 325	-	0.0	40.5			

********** SCAN PARAMETERS **********
***** Mode: Centroid positive ion + R1 (Temp)

MID scan Desc: P1 Mass intervals: 3
Scan time: 0.500 s Samp. int.: 0.200 ms Master rate: 1024

Int #	Lo mass	Hi mass	Time	MPW	MFW	MA	TH	BL	ION
1	225.500	226.500	0.105	1	100	0	1	1	Pos
2	227.500	228.500	0.105	1	100	0	1	1	Pos
3	239.500	240.500	0.105	1	100	0	1	1	Pos

Interface number	0	
Sub-interface number	0	
# of acqu buffers	16	
Instrument type	Q	
Full scale mass	1024	u
Zero scale mass	1	u
Intensity/ion	2	
Peak Width	1000.	mmu
Offset at low mass	0	mmu
Offset at high mass	0	mmu
Voltage settling time(MS)	4	

10/20/87 14:22:12 SCAN 3407 OF 3800

MID scan Desc: P2 Mass intervals: 3
Scan time: 0.500 s Samp. Int.: 0.200 ms Master rate: 1024

Int #	Lo mass	Hi mass	Time	MPW	MFW	MA	TH	BL	ION
1	249.575	250.575	0.105	1	100	0	1	1	Pos
2	251.575	252.575	0.105	1	100	0	1	1	Pos
3	263.579	264.579	0.105	1	100	0	1	1	Pos

10/20/87 14:25:31
ACQUISITION COMPLETED
SCANS 1 TO 3406 Centroid
SCAN 3407 Suspended
SCANS 3408 TO 3800 Centroid

Mode	Scans	Secs	Out of	%	Peaks per scan	per sec
Centroid	3798	192.2	1899.5	10.1	15196	4	9

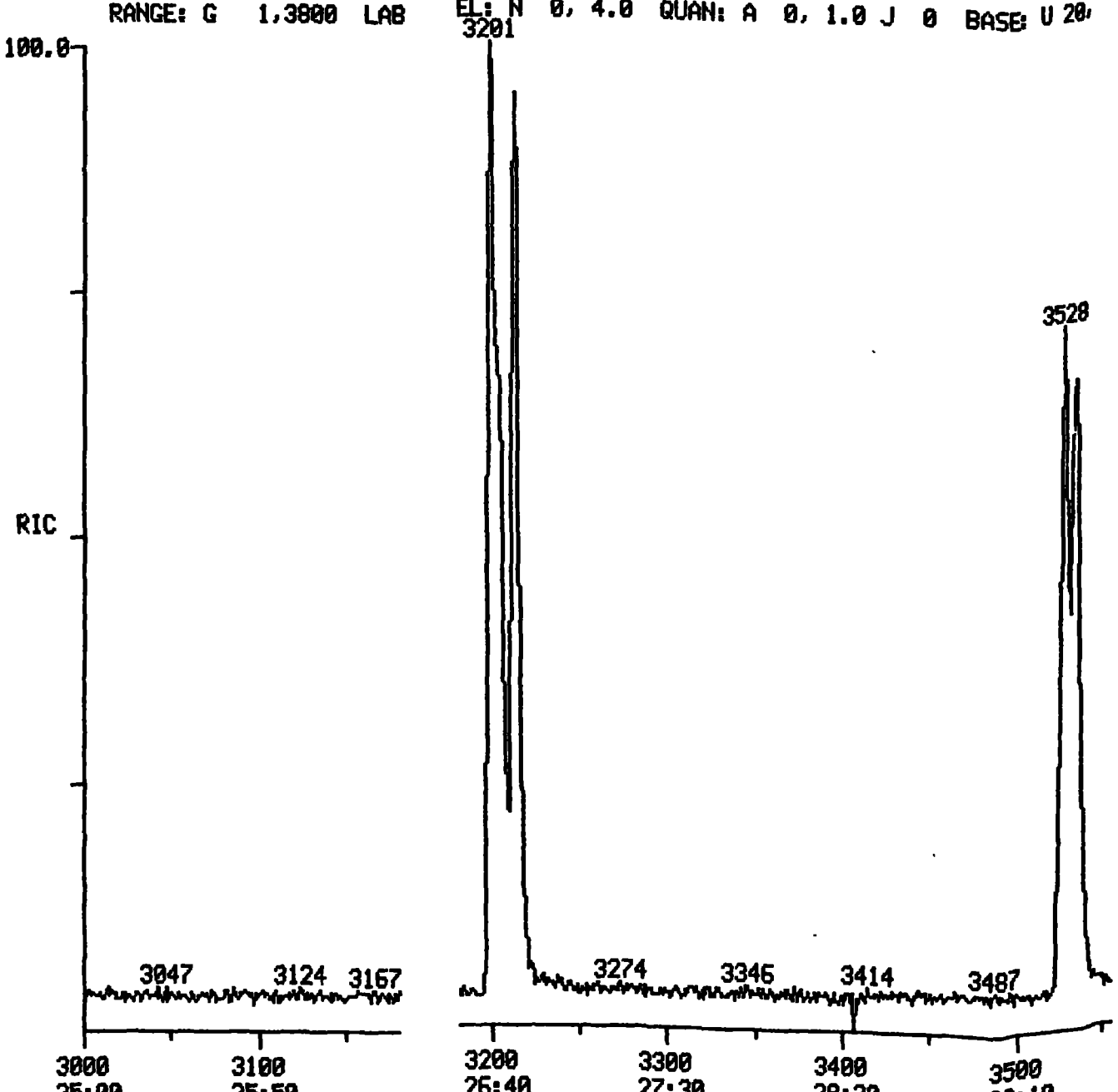
00866

MIDRIC
10/20/87 13:53:00
SAMPLE: 200 PPB PAH 5
CONDS.: GC DESC ST
RANGE: G 1,3800 LAB

DATA: STDX746 #1
CALI: 102087CX #2
TD 10-19-87 MLB

SCANS 3000

EL: N 0, 4.0 QUAN: A 0, 1.0 J 0 BASE: U 20,



TO

3

00 00867

20096.

3619

3672

3706 3779

3700 3800 SCAN

:00 30:50 31:40 TIME

Quantitation Report File: STDX746

00868

Data: STDX746.TI
10/20/87 13:53:00
Sample: 200 PPB PAH STD 10-19-87 MLB
Conds.: GC DESC ST
Formula: MID Instrument: 4500 Weight: 0.000
Submitted by: RMAL Analyst: DC Acct. No.:

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

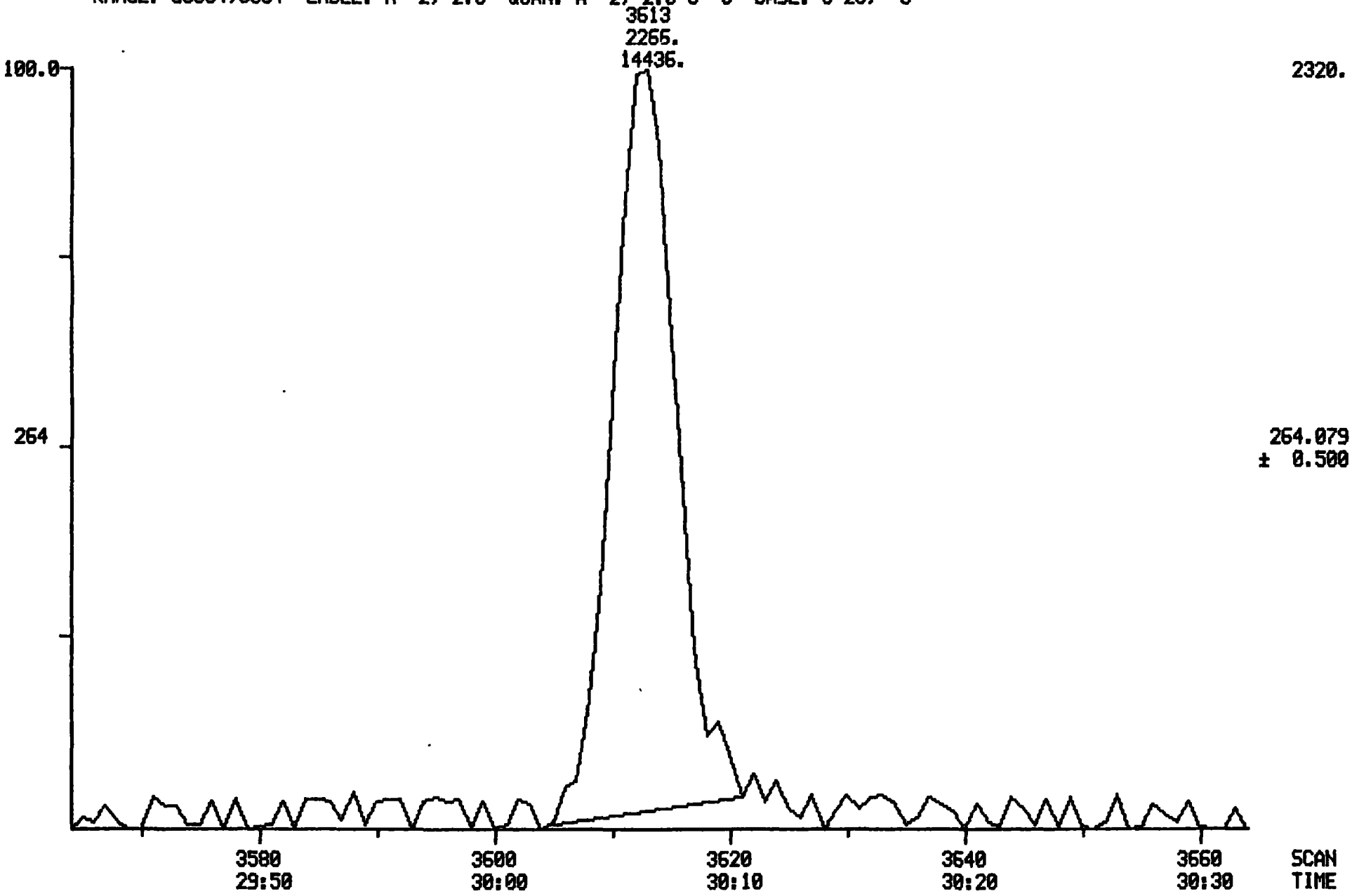
No	Name	
1	D12-BENZO(A)PYRENE	264IPH# 01
2	D12-CHRYSENE	240SPH# 02
3	BENZO(A)ANTHRACENE	228 PH# 03
4	BENZO(A)ANTHRACENE	226 PH# 04
5	CHRYSENE	228 PH# 05
6	CHRYSENE	226 PH# 06
7	BENZO(B)FLUORANTHENE	252 PH# 07
8	BENZO(B)FLUORANTHENE	250 PH# 08
9	BENZO(K)FLUORANTHENE	252 PH# 09
10	BENZO(K)FLUORANTHENE	250 PH# 10
11	BENZO(A)PYRENE	252 PH# 13
12	BENZO(A)PYRENE	250 PH# 14

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount		%Tot
1	264	3613	30:06	1	1.000	A BB	14436.	80.000	NG/ML	3.19
2	240	3206	26:43	1	0.887	A BB	60600.	209.623	NG/ML	8.36
3	228	3201	26:40	1	0.886	A BV	65688.	237.414	NG/ML	9.47
4	226	3201	26:40	1	0.886	A BV	16302.	227.681	NG/ML	9.08
5	228	3215	26:47	1	0.890	A VB	66948.	227.168	NG/ML	9.06
6	226	3215	26:47	1	0.890	A VB	19032.	216.353	NG/ML	8.63
7	252	3527	29:23	1	0.976	A BV	61198.	218.142	NG/ML	8.70
8	250	3528	29:24	1	0.976	A BV	13340.	223.696	NG/ML	8.93
9	252	3535	29:27	1	0.978	A VB	56554.	219.569	NG/ML	8.76
10	250	3535	29:27	1	0.978	A VB	12133.	203.365	NG/ML	8.11
11	252	3619	30:09	1	1.002	A BB	47343.	228.240	NG/ML	9.11
12	250	3620	30:10	1	1.002	A BB	10641.	214.992	NG/ML	8.58

No	Ret(L)	Ratio	RRT(L)	Ratio	Amnt	Amnt(L)	R.Fac	R.Fac(L)	Ratio
1	30:07	1.00	1.000	1.00	80.00	80.00	1.000	1.000	1.00
2	26:44	1.00	0.888	1.00	209.62	200.00	1.679	1.602	1.05
3	26:41	1.00	0.886	1.00	237.41	200.00	1.820	1.533	1.19
4	26:42	1.00	0.887	1.00	227.68	200.00	0.452	0.397	1.14
5	26:48	1.00	0.890	1.00	227.17	200.00	1.855	1.633	1.14
6	26:48	1.00	0.890	1.00	216.35	200.00	0.527	0.488	1.08
7	29:25	1.00	0.977	1.00	218.14	200.00	1.696	1.555	1.09
8	29:25	1.00	0.977	1.00	223.70	200.00	0.370	0.330	1.12
9	29:28	1.00	0.978	1.00	219.57	200.00	1.567	1.427	1.10
10	29:28	1.00	0.978	1.00	203.36	200.00	0.336	0.331	1.02
11	30:10	1.00	1.002	1.00	228.24	200.00	1.312	1.150	1.14
12	30:10	1.00	1.002	1.00	214.99	200.00	0.295	0.274	1.07

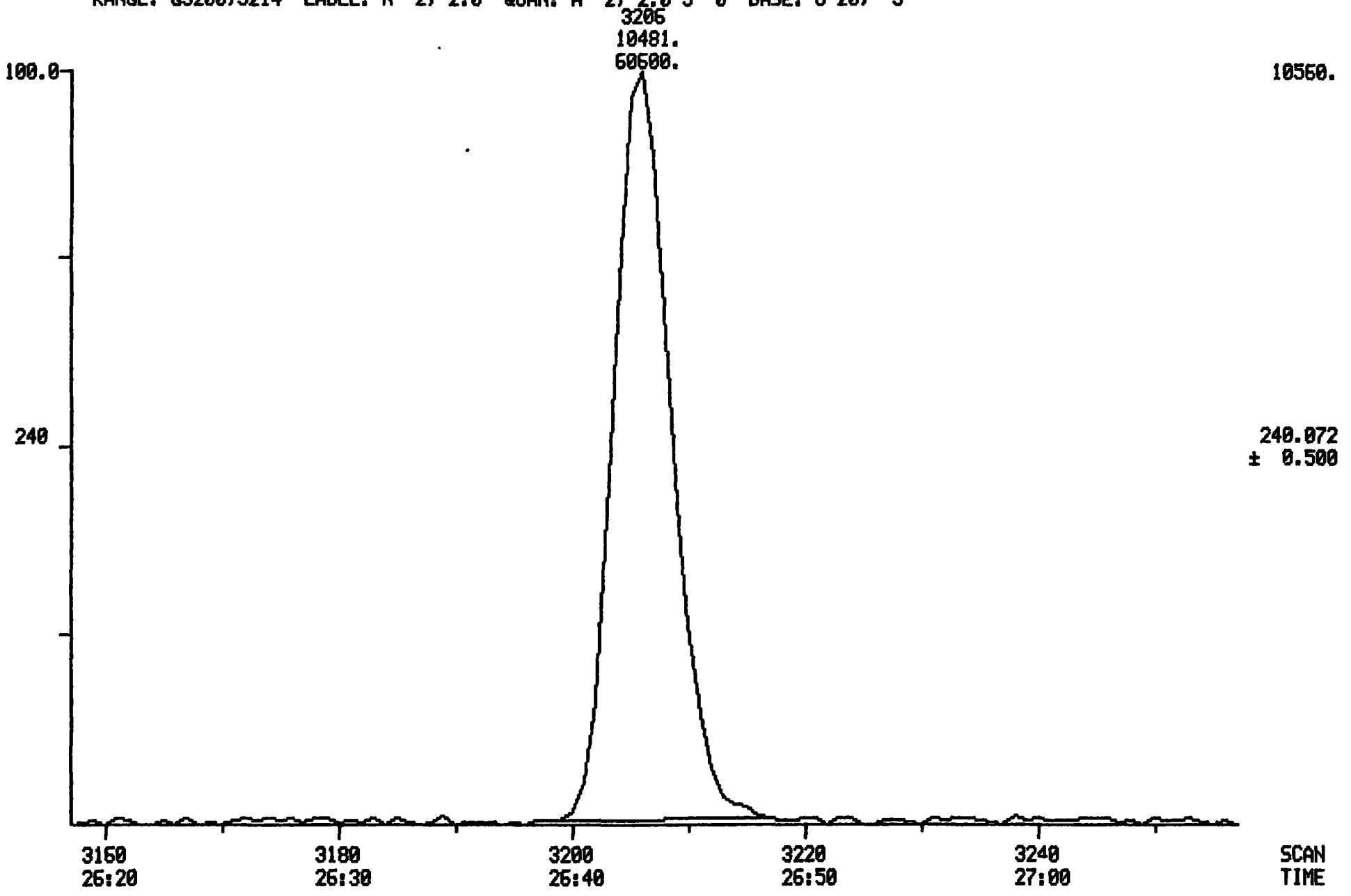
00869

MIDMASS CHROMATOGRAM DATA: STDX746 #3614 SCANS 3564 TO 3664
10/20/87 13:53:00 CALI: 102087CX #2
SAMPLE: 200 PPB PAH STD 10-19-87 MLB
CONDS.: GC DESC ST
D12-BENZO(A)PYRENE 264IPH# 01
RANGE: G3564,3664 LABEL: N 2, 2.0 QUAN: A 2, 2.0 J 0 BASE: U 20, 3



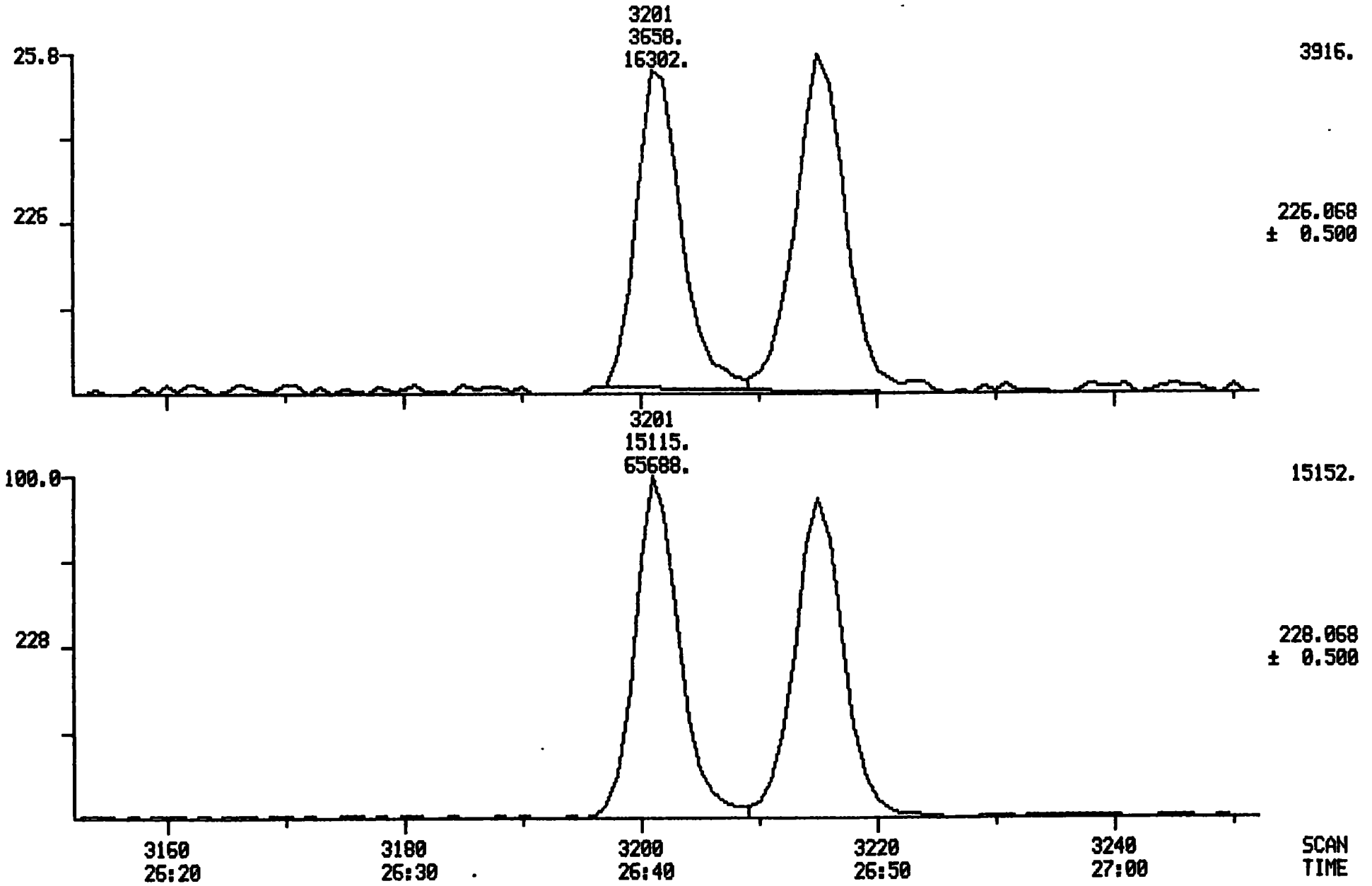
00870

MIDMASS CHROMATOGRAM DATA: STDX746 #3207 SCANS 3157 TO 3257
10/20/87 13:53:00 CALI: 102087CX #2
SAMPLE: 200 PPB PAH STD 10-19-87 MLB
CONDS.: GC DESC ST
D12-CHRYSENE 240SPH# 02
RANGE: G3200,3214 LABEL: N 2, 2.0 QUAN: A 2, 2.0 J 0 BASE: U 20, 3



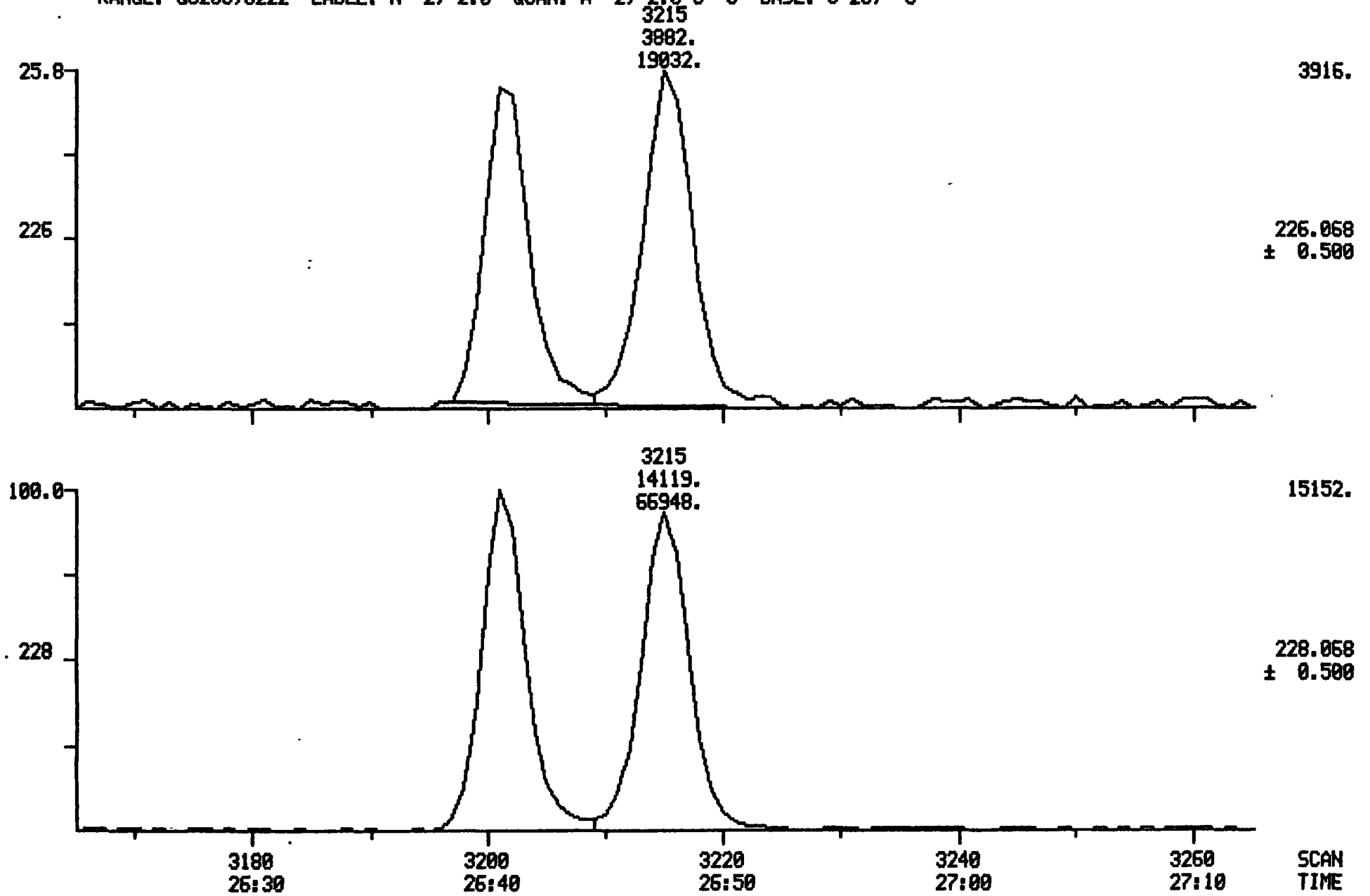
00871

MIDMASS CHROMATOGRAMS DATA: STDX746 #3202 SCANS 3152 TO 3252
10/20/87 13:53:00 CALI: 102087CX #2
SAMPLE: 200 PPB PAH STD 10-19-87 MLB
CONDS.: GC DESC ST
BENZO(A)ANTHRACENE 228 PH# 03
RANGE: G3195,3209 LABEL: N 2, 2.0 QUAN: A 2, 2.0 J 0 BASE: U 20, 3



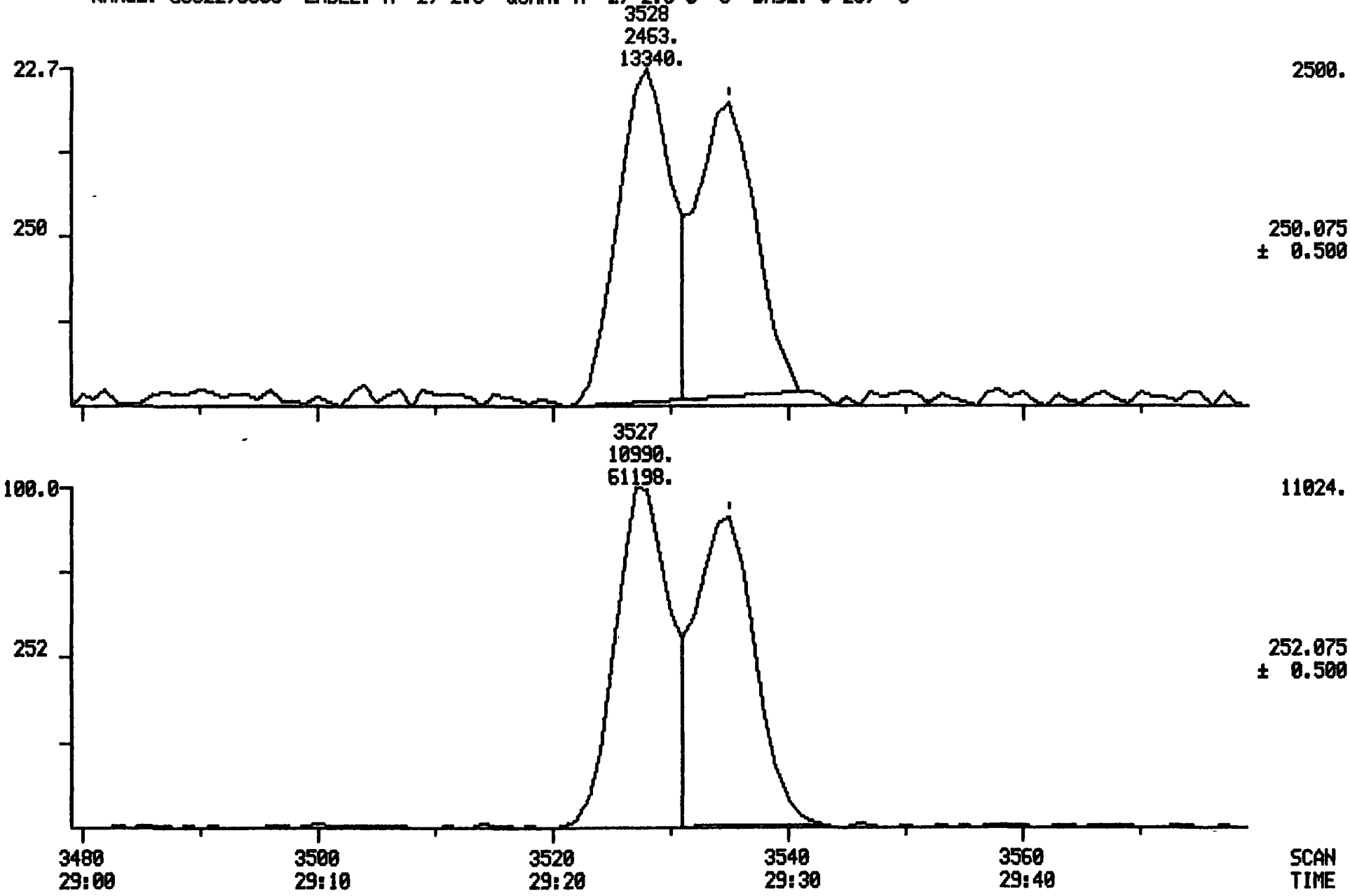
00872

MIDMASS CHROMATOGRAMS DATA: STDX746 #3215 SCANS 3165 TO 3265
10/20/87 13:53:00 CALI: 102087CX #2
SAMPLE: 200 PPB PAH STD 10-19-87 MLB
CONDS.: GC DESC ST
CHRYSENE 228 PH# 05
RANGE: G3208,3222 LABEL: N 2, 2.0 QUAN: A 2, 2.0 J 0 BASE: U 20, 3



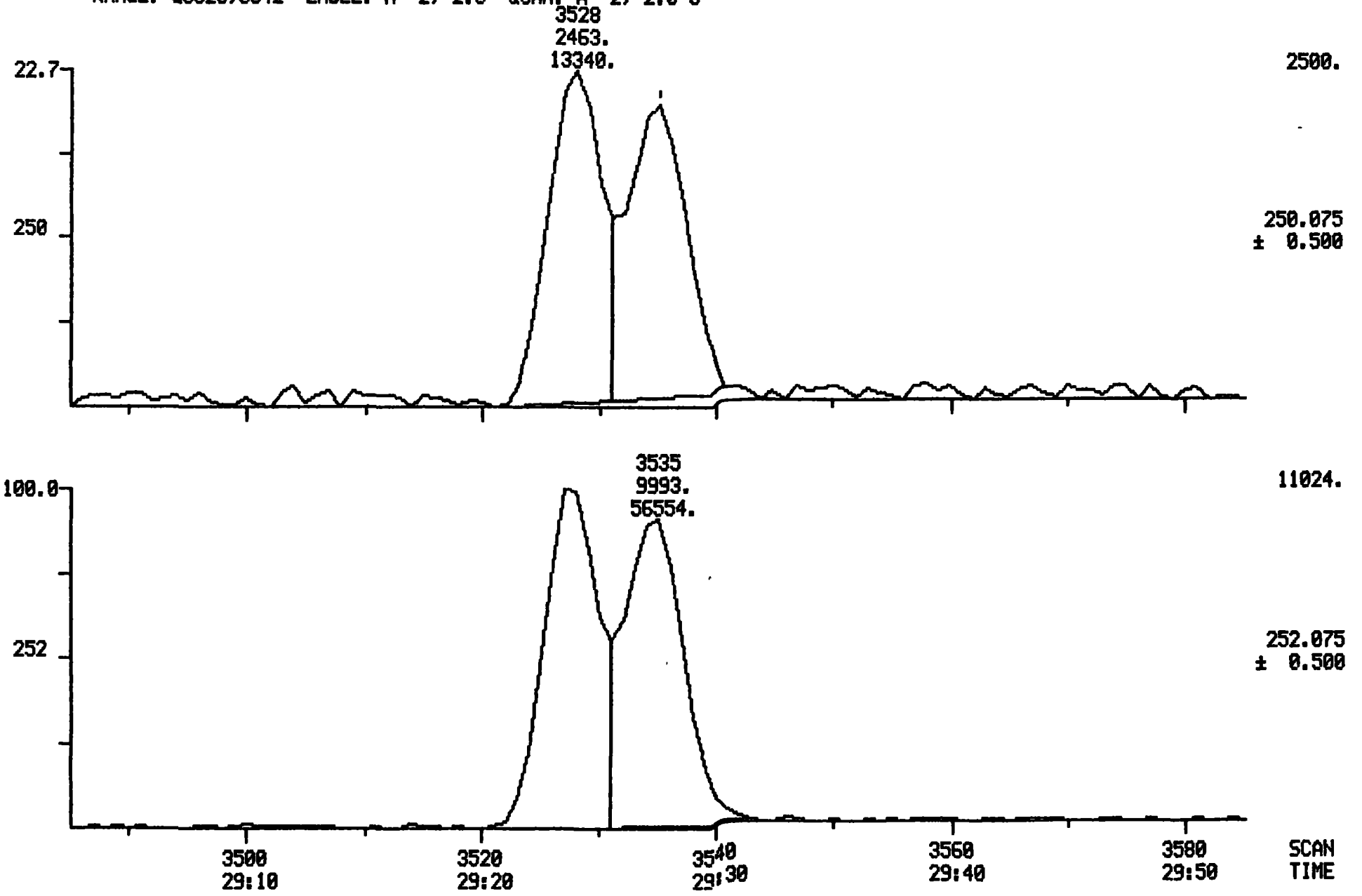
00873

MIDMASS CHROMATOGRAMS DATA: STDX746 #3529 SCANS 3479 TO 3579
10/20/87 13:53:00 CALI: 102087CX #2
SAMPLE: 200 PPB PAH STD 10-19-87 MLB
CONDS.: GC DESC ST
BENZO(B)FLUORANTHENE 252 PH# 07
RANGE: G3522,3536 LABEL: N 2, 2.0 QUAN: A 2, 2.0 J 0 BASE: U 20, 3



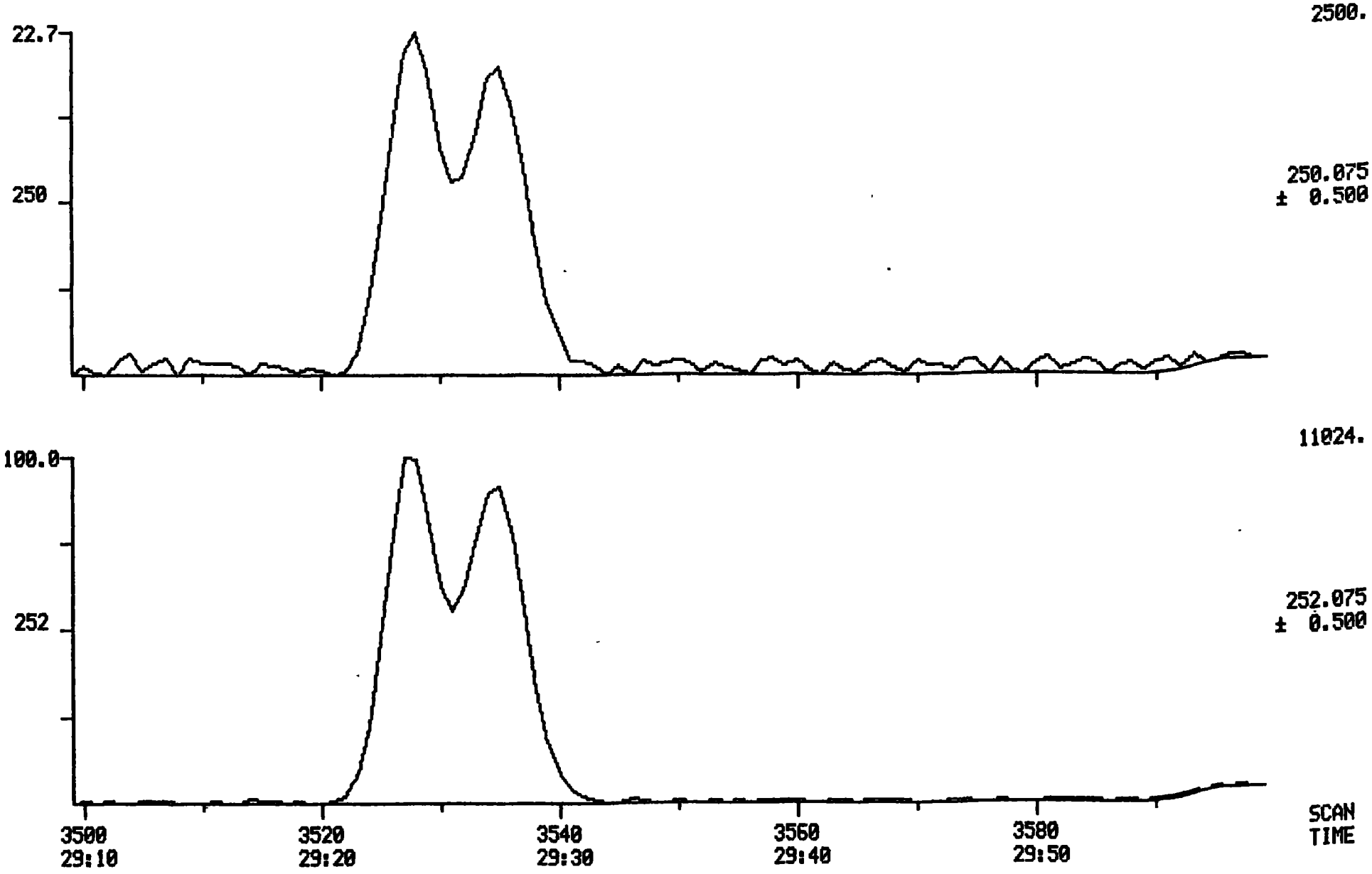
00874

MIDMASS CHROMATOGRAMS DATA: STDX746 #3535 SCANS 3485 TO 3585
10/20/87 13:53:00 CALI: 102087CX #2
SAMPLE: 200 PPB PAH STD 10-19-87 MLB
CONDS.: GC DESC ST
BENZO(K)FLUORANTHENE 252 PH# 09
RANGE: G3528,3542 LABEL: N 2, 2.0 QUAN: A 2, 2.0 J 0 BASE: U 20, 3



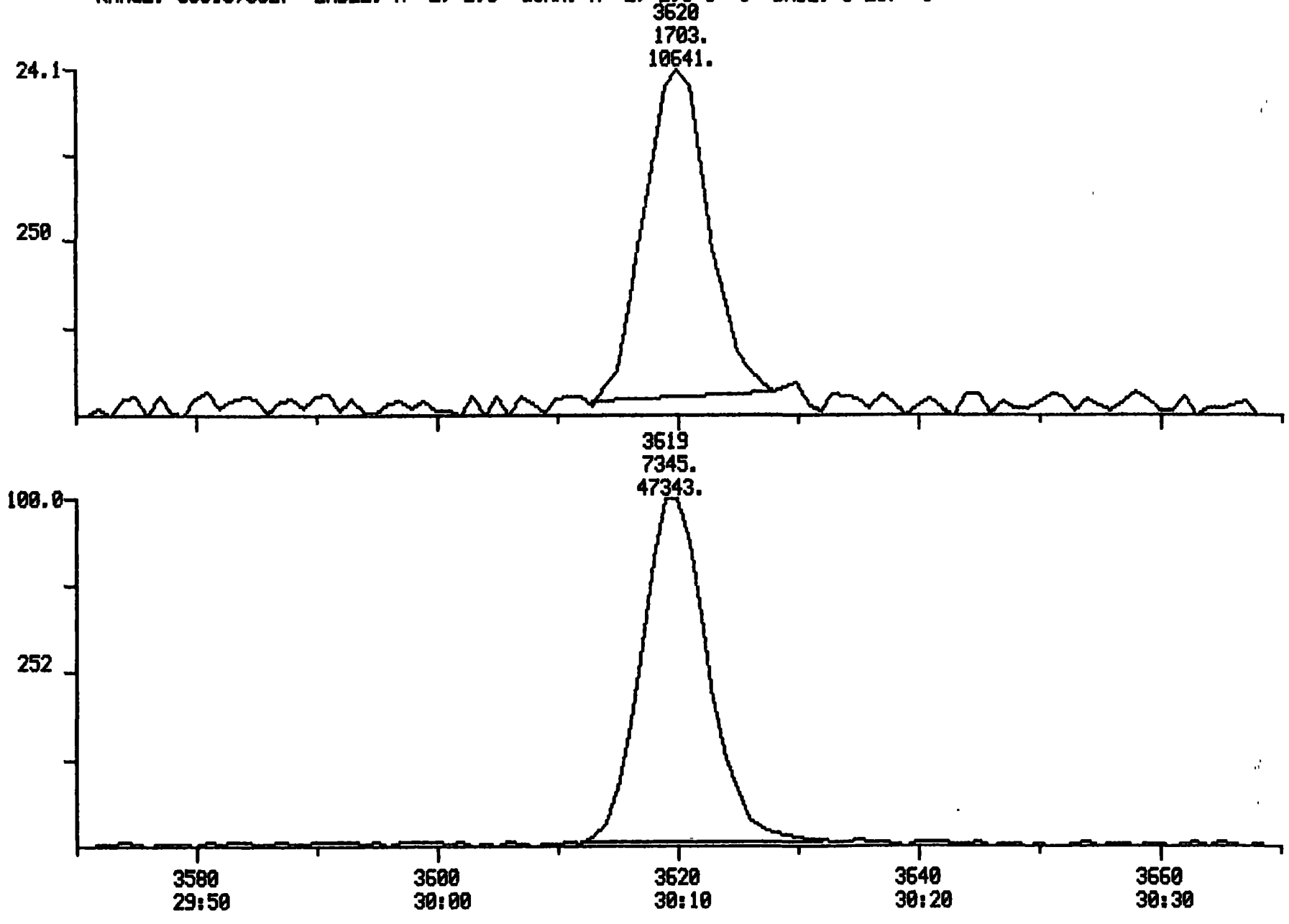
00875

MIDMASS CHROMATOGRAMS DATA: STDX746 #3549 SCANS 3499 TO 3599
10/20/87 13:53:00 CALI: 102087CX #2
SAMPLE: 200 PPB PAH STD 10-19-87 MLB
CONDS.: GC DESC ST
BENZO(J)FLUORANTHENE 252 PH# 11
RANGE: G3542,3556 LABEL: N 2, 2.0 QUAN: A 2, 2.0 J 0 BASE: U 20, 3



00876

MIDMASS CHROMATOGRAMS DATA: STDX746 #3620 SCANS 3570 TO 3670
10/20/87 13:53:00 CALI: 102087CX #2
SAMPLE: 200 PPB PAH STD 10-19-87 MLB
CONDS.: GC DESC ST
BENZO(A)PYRENE 252 PH# 13
RANGE: G3613,3627 LABEL: N 2, 2.0 QUAN: A 2, 2.0 J 0 BASE: U 20, 3



008777

796.

.075
.500

440.

.075
.500

CAN
IME

CONTINUING CALIBRATION RAW DATA

5/2/88 22:07:49 SCAN 1 OF 730
Acquisition started

00879

Acquire
05/02/88 22:07:00 + 0:03
Sample: CLP,59450,,VSTD50,V# ,VOA,CLP
Conds.: CS1 4/13-1, CS2 4/15-1, API 3/15, IS/SCS 4/29-2
Formula:
Submitted by: RMAL

Run 3:STDW964
Free sectors. 11913
Instrument: 5100
Analyst: DC

Acquiring
Scan: 1 of 730
Weight: 0.029
Acct. No:

*** GC descriptor V3 ***

GC temperature: 60 DegC
Elapsed time : 0: 7 min

Injector: 50 DegC
Interface: 220 DegC

Seq #	Temp (DegC)	Rate (C/min)	Time (minutes) period	total
1	60- 60	-	2.0	2.0
2	60-250	7.0	27.1	29.1
3	250-250	-	10.0	39.1
4	250-250	-	0.0	39.1

Valve times (minutes)

	Open	Close
Sweep/Split	36.1	0.0
Divert	36.1	0.8

*** Scan Parameters ***

Low mass: 40 u
High mass: 260 u

Scan time (s)
Up: 2.95 L*
Down: 0.00 L

Hold time (s)
Top: 0.00
Bottom: 0.05

Cent S/P: 10 Actual: 67
Frag S/P: 10 Actual: 10

Samp int (ms): 0.200
Samp int (ms): 1.400

Peak width: 1000.
Inten/ion: 2

Min peak width: 3
ADC threshold: 1

Min frag width %: 81
Baseline: 0

Min area: 20

MODE: EI (+) Centroid + Temp

Interface number	0	
Sub-interface number	0	
# of acqu buffers	16	
Instrument type	Q	
Full scale mass	812	u
Zero scale mass	1	u
Intensity/ion	2	
Peak width	1000.	mmu
Offset at low mass	0	mmu
Offset at high mass	0	mmu
Voltage settling time(ms)	4	

Current instrument parameters.

	Positive ion mode	Negative ion mode
Resolution (high)	127.00	128.00
Resolution (low)	125.00	128.00
Ion energy	1.96	-4.00
Ion programming	5.41	-4.00
Lens voltage	-80.00	50.20
Extractor voltage	0.94	not used

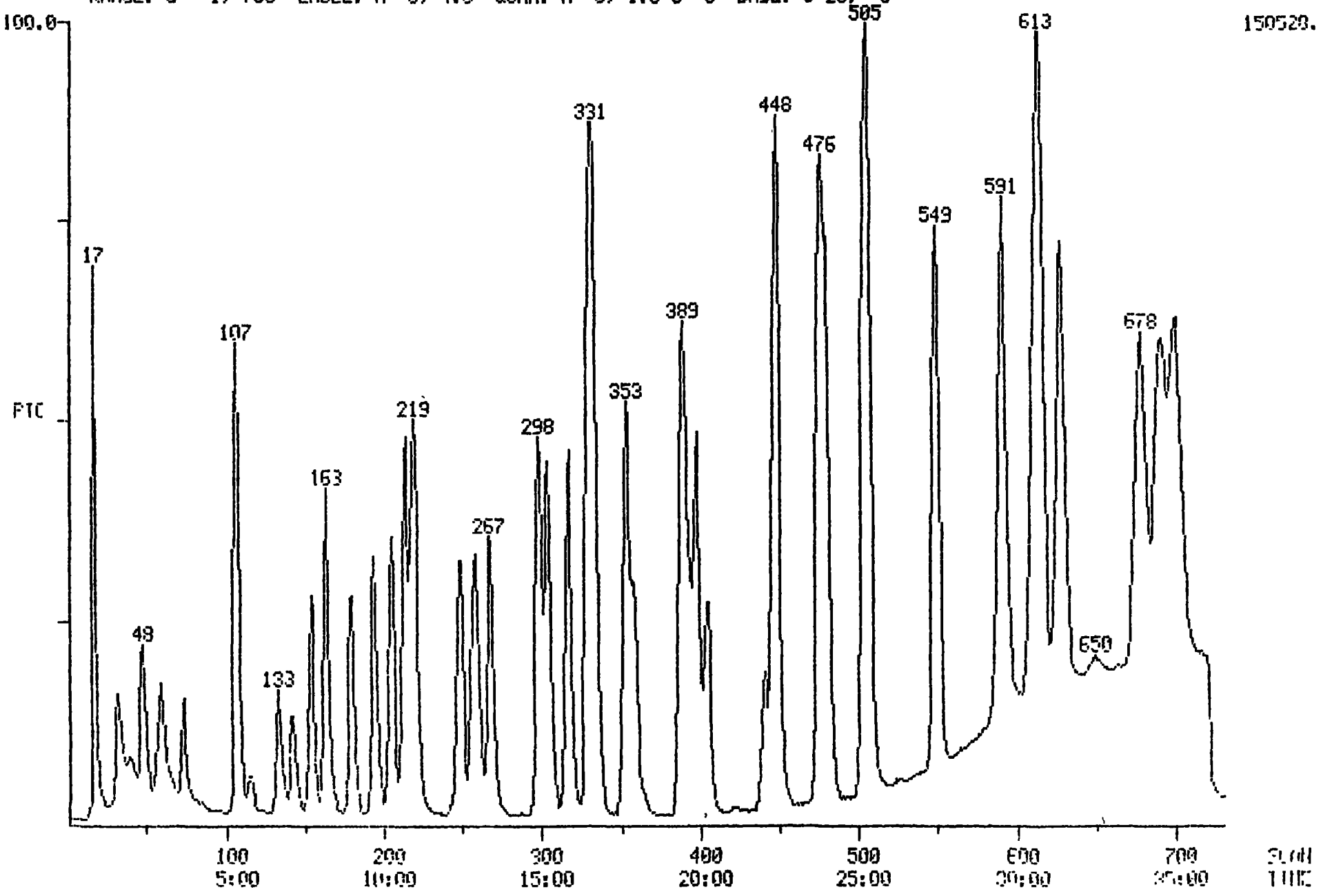
Electron multiplier voltage: -2271.
Electrometer Range: 10 ^-7
Electrometer zero: -4.4

5/2/88 22:44:24
Acquisition completed
Scans 1 to 730 centroid

Mode	Scans	Secs	out of	%	Peaks per scan per second		
Centroid	730	51.9	2190.0	2.4	22439.	31.	10.

00880

RIC DATA: STDW364 #4 SCANS 1 TO 730
05/02/88 22:07:00 CALI: 050288CW2 #3
SAMPLE: CLP,59450,,VSTD50,V# ,VOA,CLP
CONDS.: CS1 4/13-1, CS2 4/15-1, API 3/15, IS/SCS 4/29-2
RANGE: G 1, 730 LABEL: N 0, 4.0 QUAN: A 0, 1.0 J 0 BASE: U 20, 3



PROCEDURE TCA DIAGNOSTIC REPORT 5/02/88 22.43.47
DATA FILE: STDW964
REFERENCE: 11TABLE
NAME LIST LLNL INITIALIZATION OPTION: 2 PROCESSING OPTION: 3 00881
REPORT. ISO1

STANDARDS PROC	USED	POSS	RMS	PLUS UNKNOWNS PROC	USED	POSS	RMS	LIST NAMES STANDARD/UNKNOWN
1	1	1	0	9	9	4	60	ISO1/TCO1
2	3	1	27	18	18	4	56	ISO2/TCO2
3	3	1	27	12	12	1	70	ISO3/TCO3
1	1	1	0	7	7	2	55	ISO4/TCO4

41 COMPOUNDS PROCESSED, 41 FOUND

COMPOUND NO	LIB	ENTRY	SEARCH REF	PRED	SEL	DELTA	PEAKS	SAT FIT	PEAKS	CHFO M/Z	TOP	DELTA	PEAKS
1	V1	1	-162	163	163	.	1	971	.	128	163	.	1
2	V1	10	-33	32	32	.	1	985	.	50	32	.	1
3	V1	15	-49	49	48	-1	1	996	.	94	48	.	1
4	V1	25	-60	60	60	.	1	995	.	62	60	.	1
5	V1	35	-74	74	74	.	1	981	.	64	74	.	1
6	V1	45	-106	106	107	1	1	987	.	84	107	.	1
7	V1	50	-115	115	116	1	4	1000	.	58	115	.	1
8	V1	65	-133	134	133	-1	1	987	.	76	133	.	1
9	V1	80	-154	153	154	-1	1	985	.	96	154	.	1
10	V2	1	-387	389	389	.	1	997	.	114	389	.	1
11	V3	1	-502	504	504	.	1	995	.	117	503	-1	1
12	V1	90	-179	179	180	1	1	988	.	63	180	.	1
13	V1	95	-193	193	194	1	1	988	.	96	194	.	1
14	V1	100	-205	205	205	.	1	999	.	83	205	.	1
15	V1	2	-218	219	218	-1	1	989	.	65	218	.	1
16	V2	10	-218	219	218	-1	2	994	.	72	218	.	1
17	V1	110	-220	221	221	.	1	1000	.	62	221	.	1
18	V2	15	-248	249	248	-1	1	993	.	97	248	.	1
19	V2	20	-256	257	257	.	2	1000	.	117	257	.	1
20	V2	25	-259	260	260	.	1	991	.	43	260	.	1
21	V2	30	-267	268	267	-1	1	980	.	83	267	.	1
22	V2	35	-297	298	298	.	1	999	.	63	298	.	1
23	V2	40	-303	304	304	.	1	995	.	75	304	.	1
24	V2	45	-316	317	317	.	1	985	.	130	317	.	1
25	V2	60	-328	329	329	.	1	987	.	78	329	.	1
26	V2	50	-330	331	330	-1	1	976	.	129	330	.	1
27	V2	55	-332	333	333	.	1	982	.	97	333	.	1
28	V2	65	-333	334	333	-1	1	965	.	75	333	.	1
29	V2	80	-392	393	393	.	1	985	.	173	393	.	1
30	V3	10	-404	405	405	.	1	999	.	58	405	.	1
31	V3	15	-440	441	441	.	1	997	.	58	441	.	1
32	V3	25	-446	447	447	.	1	905	.	83	447	.	1
33	V3	20	-448	449	448	-1	1	991	.	164	448	.	1
34	V3	2	-475	476	475	-1	1	989	.	98	475	.	1
35	V3	35	-479	480	480	.	1	988	.	92	480	.	1
36	V3	40	-506	507	507	.	1	986	.	112	506	-1	1
37	V3	50	-548	549	549	.	1	995	.	106	549	.	1
38	V3	3	-590	591	590	-1	1	987	.	95	590	.	1
39	V3	55	-611	612	612	.	1	992	.	104	611	-1	1
40	V3	60	-614	615	615	.	1	985	.	106	615	.	1
41	V3	75	-627	628	628	.	2	996	.	106	628	.	1

Quantitation Report File STDW964

00882

Data: STDW964 FI
05/02/88 22:07:00
Sample. CLP,59450,,VSTD50,V# ,VOA,CLP
Conds. CS1 4/13-1, CS2 4/15-1, API 3/15, IS,SCS 4/29-2
Formula: Instrument. 5100 Weight 0.029
Submitted by: RMAL Analyst. DC Acct. No :

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

No	Name			
1	CI01 BROMOCHLOROMETHANE	128	IV1# 01	74-97-5
2	C010 CHLOROMETHANE	50	V1# 10SP	74-87-3
3	C015 BROMOMETHANE	94	V1# 15	74-83-9
4	C020 VINYL CHLORIDE	62	V1# 25	75-01-4
5	C025 CHLOROETHANE	64	V1# 35	75-00-3
6	C030 METHYLENE CHLORIDE	84	V1# 45	75-09-2
7	C035 ACETONE	58	V1# 50	67-64-1
8	C040 CARBON DISULFIDE	76	V1# 65	75-15-0
9	C045 1,1-DICHLOROETHENE	61	V1# 80	75-35-4
10	CI10 1,4-DIFLUOROBENZENE	114	IV2# 01	540-36-3
11	CI20 CHLOROBENZENE-D5	117	IV3# 01	3114-55-4
12	C050 1,1-DICHLOROETHANE	63	V1# 90	75-34-3
13	TRANS-1,2-DICHLOROETHENE	61	V1# 95	156-60-5
14	C060 CHLOROFORM	83	V1#100CC	67-66-3
15	CS15 1,2-DICHLOROETHANE-D4	65	SV1# 02	17060-07-0
16	C110 2-BUTANONE	72	V2# 10	78-93-3
17	C065 1,2-DICHLOROETHANE	62	V1#110	107-06-2
18	C115 1,1,1-TRICHLOROETHANE	97	V2# 15	71-55-6
19	C120 CARBONTETRACHLORIDE	117	V2# 20	56-23-5
20	C125 VINYL ACETATE	43	V2# 25	108-05-4
21	C130 BROMODICHLOROMETHANE	83	V2# 30	75-27-4
22	C140 1,2-DICHLOROPROPANE	63	V2# 35CC	78-87-5
23	C143 CIS-1,3-DICHLOROPROPENE	75	V2# 40	10061-01-5
24	C150 TRICHLOROETHENE	130	V2# 45	79-01-6
25	C165 BENZENE	78	V2# 60	71-43-2
26	C155 DIBROMOCHLOROMETHANE	129	V2# 50	124-48-1
27	C160 1,1,2-TRICHLOROETHANE	97	V2# 55	79-00-5
28	C172 TRANS-1,3-DICHLOROPROPE	75	V2# 65	10061-02-6
29	C180 BROMOFORM	173	V2# 80	75-25-2
30	C205 4-METHYL-2-PENTANONE	58	V3# 10	108-10-1
31	C210 2-HEXANONE	58	V3# 15	591-78-6
32	C225 1,1,2,2-TETRACHLOROETHA	83	V3# 25SP	79-34-5
33	C220 TETRACHLOROETHENE	164	V3# 20	127-18-4
34	CS05 TOLUENE-D8	98	SV3# 02	2037-26-5
35	C230 TOLUENE	92	V3# 35	108-88-3
36	C235 CHLOROBENZENE	112	V3# 40	108-90-7
37	C240 ETHYLBENZENE	106	V3# 50	100-41-4
38	CS10 BROMOFLUOROBENZENE	95	SV3# 03	460-00-4
39	C245 STYRENE	104	V3# 55	100-42-5
40	M-XYLENE	106	V3# 60	108-38-3
41	O+P XYLENES	106	V3# 75	

00883

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount		%Tot
1	129	163	8:09	1	1.000	A BB	29441.	50.000	UG/L	2.46
2	50	32	1:36	1	0.196	A BV	57155	46.945	UG/L	2.33
3	94	48	2:24	1	0.294	A BB	41456.	46.948	UG/L	2.33
4	62	60	3:00	1	0.368	A BB	53929	45.016	UG/L	2.23
5	64	74	3:42	1	0.454	A VB	34068	41.589	UG/L	2.06
6	84	107	5:21	1	0.656	A BB	56973.	48.193	UG/L	2.39
7	58	116	5:48	1	0.712	A BB	4350.	44.970	UG/L	2.23
8	76	133	6:39	1	0.816	A BB	78531.	43.923	UG/L	2.18
9	96	154	7:42	1	0.945	A BB	31034.	45.247	UG/L	2.25
10	114	389	19:27	10	1.000	A BB	170884.	50.000	UG/L	2.48
11	117	503	25:09	11	1.000	A BB	152138.	50.000	UG/L	2.48
12	60	180	9:00	1	1.104	A BB	89853.	50.283	UG/L	2.49
13	96	194	9:42	1	1.190	A BB	39431	48.738	UG/L	2.42
14	83	205	10:15	1	1.258	A BB	78249.	49.660	UG/L	2.46
15	65	218	10:54	1	1.337	A BB	55616.	49.113	UG/L	2.44
16	72	218	10:54	10	0.560	A BB	5123	43.890	UG/L	2.18
17	62	221	11:03	1	1.356	A BB	56504	48.761	UG/L	2.42
18	97	248	12:24	10	0.638	A BB	52789.	52.947	UG/L	2.63
19	117	257	12:51	10	0.661	A VB	48334.	53.333	UG/L	2.65
20	43	260	13:00	10	0.668	A BB	109840	29.599	UG/L	1.47
21	83	267	13:21	10	0.686	A BB	79361	53.197	UG/L	2.65
22	60	298	14:54	10	0.766	A BB	76924	50.324	UG/L	2.50
23	75	304	15:12	10	0.781	A BB	128333.	74.831	UG/L	3.71
24	130	317	15.51	10	0.815	A BV	57815	53.405	UG/L	2.65
25	78	329	16:27	10	0.846	A BB	158533.	49.649	UG/L	2.46
26	129	330	16:30	10	0.848	A BB	63911.	51.353	UG/L	2.55
27	97	333	16:39	10	0.856	A BB	47019.	46.948	UG/L	2.33
28	75	333	16:39	10	0.856	A BB	43340.	27.765	UG/L	1.38
29	173	393	19:39	10	1.010	A BB	56891.	51.548	UG/L	2.56
30	58	405	20:15	11	0.805	A BB	23490.	45.883	UG/L	2.28
31	58	441	22:03	11	0.877	A BB	22699.	42.905	UG/L	2.13
32	83	447	22:21	11	0.889	A BB	90086.	48.242	UG/L	2.39
33	164	448	22:24	11	0.891	A BB	60537.	53.071	UG/L	2.63
34	98	475	23:45	11	0.944	A BB	182939.	51.145	UG/L	2.54
35	92	480	24:00	11	0.954	A BB	103693.	52.436	UG/L	2.60
36	112	506	25:18	11	1.006	A BB	122565.	51.638	UG/L	2.56
37	106	549	27:27	11	1.091	A BB	65803.	53.112	UG/L	2.64
38	95	590	29:30	11	1.173	A BB	105588.	53.167	UG/L	2.64
39	104	611	30:33	11	1.215	A BV	135295.	57.109	UG/L	2.83
40	106	615	30:45	11	1.223	A BV	80606.	54.356	UG/L	2.70
41	106	628	31:24	11	1.249	A VB	78168.	53.913	UG/L	2.67

No	Ret(L)	Ratio	RRT(L)	Ratio	Amnt	Amnt(L)	R.Fac	R.Fac(L)	Ratio
1	8:09	1.00	1.000	1.00	50.00	50.00	1.000	1.000	1.00
2	1:39	0.97	0.202	0.97	46.95	50.00	1.941	2.068	0.94
3	2:27	0.98	0.301	0.98	46.95	50.00	1.408	1.500	0.94
4	3:00	1.00	0.368	1.00	45.02	50.00	1.832	2.035	0.90
5	3:42	1.00	0.454	1.00	41.59	50.00	1.157	1.391	0.83
6	5:18	1.01	0.650	1.01	48.19	50.00	1.935	2.008	0.96
7	5:45	1.01	0.706	1.01	44.97	50.00	0.148	0.164	0.90
8	6:39	1.00	0.816	1.00	43.92	50.00	2.667	3.036	0.88
9	7:42	1.00	0.945	1.00	45.25	50.00	1.054	1.165	0.90
10	19:24	1.00	1.000	1.00	50.00	50.00	1.000	1.000	1.00
11	25:09	1.00	1.000	1.00	50.00	50.00	1.000	1.000	1.00
12	8:57	1.01	1.098	1.01	50.28	50.00	3.052	3.035	1.01
13	9:39	1.01	1.184	1.01	48.74	50.00	1.339	1.374	0.97

No	Ret(L)	Ratio	RRT(L)	Ratio	Amnt	Amnt(L)	R.Fac	R.Fac(L)	Ratio
14	10:15	1.00	1.258	1.00	49.66	50.00	2.658	2.676	0.99
15	10:54	1.00	1.337	1.00	49.11	50.00	1.889	1.923	0.98
16	10:54	1.00	0.562	1.00	43.89	50.00	0.030	0.034	0.88
17	11:00	1.00	1.350	1.00	48.76	50.00	1.919	1.968	0.98
18	12:24	1.00	0.639	1.00	52.95	50.00	0.309	0.292	1.06
19	12:48	1.00	0.660	1.00	53.33	50.00	0.283	0.265	1.07
20	12:57	1.00	0.668	1.00	29.60	50.00	0.643	1.086	0.59
21	13:21	1.00	0.688	1.00	53.50	50.00	0.464	0.434	1.07
22	14:51	1.00	0.765	1.00	50.32	50.00	0.450	0.447	1.01
23	15:09	1.00	0.781	1.00	74.83	70.00	0.536	0.502	1.07
24	15:48	1.00	0.814	1.00	53.40	50.00	0.338	0.317	1.07
25	16:24	1.00	0.845	1.00	49.65	50.00	0.928	0.934	0.99
26	16:30	1.00	0.851	1.00	51.35	50.00	0.374	0.364	1.03
27	16:36	1.00	0.856	1.00	46.95	50.00	0.275	0.293	0.94
28	16:39	1.00	0.858	1.00	27.77	29.00	0.437	0.457	0.96
29	19:36	1.00	1.010	1.00	51.55	50.00	0.333	0.323	1.03
30	20:12	1.00	0.803	1.00	45.88	50.00	0.154	0.168	0.92
31	22:00	1.00	0.875	1.00	42.91	50.00	0.149	0.174	0.86
32	22:18	1.00	0.887	1.00	48.24	50.00	0.592	0.614	0.96
33	22:24	1.00	0.891	1.00	53.07	50.00	0.398	0.375	1.06
34	23:45	1.00	0.944	1.00	51.14	50.00	1.202	1.176	1.02
35	23:57	1.00	0.952	1.00	52.44	50.00	0.682	0.650	1.05
36	25:18	1.00	1.006	1.00	51.64	50.00	0.806	0.780	1.03
37	27:24	1.00	1.089	1.00	53.11	50.00	0.433	0.407	1.06
38	29:30	1.00	1.173	1.00	53.17	50.00	0.694	0.653	1.06
39	30:33	1.00	1.215	1.00	57.11	50.00	0.889	0.779	1.14
40	30:42	1.00	1.221	1.00	54.36	50.00	0.530	0.487	1.09
41	31:21	1.00	1.247	1.00	53.91	50.00	0.514	0.477	1.08

00884

TIS FINISHED, 41 FOUND
FINISHED AT: 3/02/88 22:50:09

RMAL QUANTITATION SUMMARY FILE. STDW964
COMPOUNDS WITH AMOUNTS LESS THAN 1.00 REPORTED AS NOT FOUND

00885

UNITS: UG/L

NC	LIBRARY ENTRY	NAME	MASS	SCAN	REF	AREA	RRF	AMOUNT
1	V1# 1	CI01 BROMOCHLOROMETHANE	128	163	1	29441	1.000	50.000
2	V2# 1	CI10 1,4-DIFLUOROBENZENE	114	389	2	170884	1.000	50.000
3	V3# 1	CI20 CHLOROBENZENE-D5	117	503	3	152138.	1.000	50.000
4	V3# 2	CS05 TOLUENE-D8	98	475	3	182939	1.202	51.145
5	V3# 3	CS10 BROMOFLUOROBENZENE	95	590	3	105588	0.694	53.167
6	V1# 2	CS15 1,2-DICHLOROETHANE-	65	218	1	55616.	1.889	49.113
7	V1# 10	C010 CHLOROMETHANE	50	32	1	57165	1.941	46.945
8	V1# 15	C015 BROMOMETHANE	94	48	1	41456	1.409	46.948
9	V1# 25	C020 VINYL CHLORIDE	62	60	1	33959	1.832	45.017
10	V1# 35	C025 CHLOROETHANE	64	74	1	34068.	1.157	41.589
11	V1# 45	C030 METHYLENE CHLORIDE	84	107	1	56973	1.935	48.193
12	V1# 50	C035 ACETONE	58	116	1	4350	0.148	44.970
13	V1# 65	C040 CARBON DISULFIDE	76	133	1	78531.	2.667	43.923
14	V1# 80	C043 1,1-DICHLOROETHENE	96	154	1	31034	1.054	45.247
15	V1# 90	C050 1,1-DICHLOROETHANE	63	180	1	89853	3.052	50.283
16	V1# 95	TRANS-1,2-DICHLOROETHENE	96	194	1	39431.	1.339	48.738
17	V1#100	C060 CHLOROFORM	83	205	1	78249	2.658	49.660
18	V1#110	C065 1,2-DICHLOROETHANE	62	221	1	56504	1.919	48.761
19	V2# 10	C110 2-BUTANONE	72	218	2	5123	0.030	43.890
20	V2# 15	C115 1,1,1-TRICHLOROETHA	97	248	2	52789	0.309	52.947
21	V2# 20	C120 CARBONTETRACHLORIDE	117	257	2	48334	0.283	53.333
22	V2# 25	C125 VINYL ACETATE	43	260	2	109840	0.643	29.599
23	V2# 30	C130 BROMODICHLOROMETHAN	83	267	2	79361.	0.464	53.497
24	V2# 35	C140 1,2-DICHLOROPROPANE	63	298	2	76924.	0.450	50.324
25	V2# 40	C143 CIS-1,3-DICHLOROPRO	75	304	2	128333.	0.536	74.831
26	V2# 45	C150 TRICHLOROETHENE	130	317	2	57815.	0.338	53.405
27	V2# 50	C155 DIBROMOCHLOROMETHAN	129	330	2	63911.	0.374	51.353
28	V2# 55	C160 1,1,2-TRICHLOROETHA	97	333	2	47019.	0.275	46.948
29	V2# 60	C165 BENZENE	78	329	2	158533.	0.928	49.649
30	V2# 65	C172 TRANS-1,3-DICHLOROP	75	333	2	43340.	0.437	27.765
31	V2# 80	C180 BROMOFORM	173	393	2	56891.	0.333	51.548
32	V3# 10	C205 4-METHYL-2-PENTANON	58	405	3	23490.	0.154	45.883
33	V3# 15	C210 2-HEXANONE	58	441	3	22699	0.149	42.905
34	V3# 20	C220 TETRACHLOROETHENE	164	448	3	60537.	0.398	53.071
35	V3# 25	C225 1,1,2,2-TETRACHLORO	83	447	3	90086.	0.592	48.242
36	V3# 35	C230 TOLUENE	92	480	3	103693.	0.682	52.436
37	V3# 40	C235 CHLOROBENZENE	112	506	3	122565.	0.806	51.638
38	V3# 50	C240 ETHYLBENZENE	106	549	3	65803.	0.433	53.112
39	V3# 55	C245 STYRENE	104	611	3	135295.	0.889	57.109
40	V3# 60	M-XYLENE	106	615	3	80606.	0.530	54.356
41	V3# 75	O+P XYLENES	106	628	3	78168.	0.514	53.913

Quantitation Report File. STDW964

Data: STDW964.TI
05/02/88 23:07 00

00886

Sample: CLP,59450,,VSTD50,V# ,VOA,CLP
Conds.: CS1 4/13-1, CS2 4/15-1, API 3/15, IS/SCS 4/29-2
Formula: Instrument: 510C Weight: 0
Submitted by: RMAL Analyst: DC Acct. No.:

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

No	Name					
1	CI01	BROMOCHLOROMETHANE	128	IV1#	01	74-97-5
2	CI10	1,4-DIFLUOROBENZENE	114	IV2#	01	540-36-3
3	CI20	CHLOROBENZENE-D5	117	IV3#	01	3114-55-4
4	CS05	TOLUENE-D8	98	SV3#	02	2037-26-5
5	CS10	BROMOFLUOROBENZENE	95	SV3#	03	460-00-4
6	CS15	1,2-DICHLOROETHANE-D4	65	SV1#	02	17060-07-0
7	C010	CHLOROMETHANE	50	V1#	10SP	74-87-3
8	C015	BROMOMETHANE	94	V1#	15	74-83-9
9	C020	VINYL CHLORIDE	62	V1#	25	75-01-4
10	C025	CHLOROETHANE	64	V1#	35	75-00-3
11	C030	METHYLENE CHLORIDE	84	V1#	45	75-09-2
12	C035	ACETONE	58	V1#	50	67-64-1
13	C040	CARBON DISULFIDE	76	V1#	65	75-15-0
14	C045	1,1-DICHLOROETHENE	61	V1#	80	75-35-4
15	C050	1,1-DICHLOROETHANE	63	V1#	90	75-34-3
16	TRANS-1,2-DICHLOROETHENE		61	V1#	95	156-60-5
17	C060	CHLOROFORM	83	V1#	100CC	67-66-3
18	C065	1,2-DICHLOROETHANE	62	V1#	110	107-06-2
19	C110	2-BUTANONE	72	V2#	10	78-93-3
20	C115	1,1,1-TRICHLOROETHANE	97	V2#	15	71-55-6
21	C120	CARBONTETRACHLORIDE	117	V2#	20	56-23-5
22	C125	VINYL ACETATE	43	V2#	25	108-05-4
23	C130	BROMODICHLOROMETHANE	83	V2#	30	75-27-4
24	C140	1,2-DICHLOROPROPANE	63	V2#	35CC	78-87-5
25	C143	CIS-1,3-DICHLOROPROPENE	75	V2#	40	10061-01-5
26	C150	TRICHLOROETHENE	130	V2#	45	79-01-6
27	C155	DIBROMOCHLOROMETHANE	129	V2#	50	124-48-1
28	C160	1,1,2-TRICHLOROETHANE	97	V2#	55	79-00-5
29	C165	BENZENE	78	V2#	60	71-43-2
30	C172	TRANS-1,3-DICHLOROPROPE	75	V2#	65	10061-02-6
31	C180	BROMOFORM	173	V2#	80	75-25-2
32	C205	4-METHYL-2-PENTANONE	58	V3#	10	108-10-1
33	C210	2-HEXANONE	58	V3#	15	591-78-6
34	C220	TETRACHLOROETHENE	164	V3#	20	127-18-4
35	C225	1,1,2,2-TETRACHLOROETHA	83	V3#	25SP	79-34-5
36	C230	TOLUENE	92	V3#	35	108-88-3
37	C235	CHLOROBENZENE	112	V3#	40	108-90-7
38	C240	ETHYLBENZENE	106	V3#	50	100-41-4
39	C245	STYRENE	104	V3#	55	100-42-5
40	M-XYLENE		106	V3#	60	108-38-3
41	O+P XYLENES		106	V3#	75	

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hgnt)	Amount		%Tot
1	123	163	8:09	1	1.000	A BB	29441	50.000	UG/L	2.44
2	114	389	19:27	2	1.000	A BB	170864.	50.000	UG/L	2.44
3	117	503	25:09	3	1.000	A BB	152138	50.000	UG/L	2.44
4	98	475	23:45	3	0.944	A BB	182939	50.000	UG/L	2.44
5	95	590	29:30	3	1.173	A BB	105588	50.000	UG/L	2.44
6	65	218	10:54	1	1.337	A BB	55616.	50.000	UG/L	2.44
7	50	32	1:36	1	0.196	A BV	57153.	50.000	UG/L	2.44
8	94	48	2:24	1	0.294	A BB	41456.	50.000	UG/L	2.44
9	62	60	3:00	1	0.368	A BB	53929.	50.000	UG/L	2.44
10	64	74	3:42	1	0.454	A VB	34068	50.000	UG/L	2.44
11	84	107	5:21	1	0.656	A BB	56973.	50.000	UG/L	2.44
12	58	116	5:48	1	0.712	A BB	4350.	50.000	UG/L	2.44
13	76	133	6:39	1	0.816	A BB	78531.	50.000	UG/L	2.44
14	96	154	7:42	1	0.945	A BB	31034.	50.000	UG/L	2.44
15	63	180	9:00	1	1.104	A BB	89853	50.000	UG/L	2.44
16	96	194	9:42	1	1.190	A BB	39431.	50.000	UG/L	2.44
17	83	205	10:15	1	1.258	A BB	78249.	50.000	UG/L	2.44
18	62	221	11:03	1	1.356	A BB	56504	50.000	UG/L	2.44
19	72	218	10:54	2	0.560	A BB	5123.	50.000	UG/L	2.44
20	97	248	12:24	2	0.638	A BB	52789	50.000	UG/L	2.44
21	117	257	12:51	2	0.661	A VB	48334	50.000	UG/L	2.44
22	43	260	13:00	2	0.668	A BB	109840	50.000	UG/L	2.44
23	83	267	13:21	2	0.686	A BB	79361	50.000	UG/L	2.44
24	63	298	14:54	2	0.766	A BB	76924.	50.000	UG/L	2.44
25	75	304	15:12	2	0.781	A BB	128333	70.000	UG/L	3.42
26	130	317	15:51	2	0.815	A BV	57815.	50.000	UG/L	2.44
27	129	330	16:30	2	0.848	A BB	63911	50.000	UG/L	2.44
28	97	333	16:39	2	0.856	A BB	47019	50.000	UG/L	2.44
29	78	329	16:27	2	0.846	A BB	158533.	50.000	UG/L	2.44
30	75	333	16:39	2	0.856	A BB	43340.	29.000	UG/L	1.42
31	173	393	19:39	2	1.010	A BB	56891.	50.000	UG/L	2.44
32	58	405	20:15	3	0.805	A BB	23490.	50.000	UG/L	2.44
33	58	441	22:03	3	0.877	A BB	22699.	50.000	UG/L	2.44
34	164	448	22:24	3	0.891	A BB	60537.	50.000	UG/L	2.44
35	83	447	22:21	3	0.889	A BB	90086.	50.000	UG/L	2.44
36	92	480	24:00	3	0.954	A BB	103693.	50.000	UG/L	2.44
37	112	506	25:18	3	1.006	A BB	122565.	50.000	UG/L	2.44
38	106	549	27:27	3	1.091	A BB	65803.	50.000	UG/L	2.44
39	104	611	30:33	3	1.215	A BV	135295.	50.000	UG/L	2.44
40	106	615	30:45	3	1.223	A BV	80606.	50.000	UG/L	2.44
41	106	628	31:24	3	1.249	A VB	78168.	50.000	UG/L	2.44

No	Ret(L)	Ratio	RRT(L)	Ratio	Amnt	Amnt(L)	R.Fac	R.Fac(L)	Ratio
1	8:09	1.00	1.000	1.00	50.00	50.00	1.000	1.000	1.00
2	19:27	1.00	1.000	1.00	50.00	50.00	1.000	1.000	1.00
3	25:09	1.00	1.000	1.00	50.00	50.00	1.000	1.000	1.00
4	23:45	1.00	0.944	1.00	50.00	50.00	1.202	1.202	1.00
5	29:30	1.00	1.173	1.00	50.00	50.00	0.694	0.694	1.00
6	10:54	1.00	1.337	1.00	50.00	50.00	1.889	1.889	1.00
7	1:36	1.00	0.196	1.00	50.00	50.00	1.941	1.941	1.00
8	2:24	1.00	0.294	1.00	50.00	50.00	1.408	1.408	1.00
9	3:00	1.00	0.368	1.00	50.00	50.00	1.832	1.832	1.00
10	3:42	1.00	0.454	1.00	50.00	50.00	1.157	1.157	1.00
11	5:21	1.00	0.656	1.00	50.00	50.00	1.935	1.935	1.00
12	5:48	1.00	0.712	1.00	50.00	50.00	0.148	0.148	1.00
13	6:39	1.00	0.816	1.00	50.00	50.00	2.667	2.667	1.00

00887

No	Ret(L)	Ratio	RRT(L)	Ratio	Amnt	Amnt(L)	R.Fac	R.Fac(L)	Ratio
14	7:42	1.00	0.945	1.00	50.00	50.00	1.054	1.054	1.00
15	9:00	1.00	1.104	1.00	50.00	50.00	3.052	3.052	1.00
16	9:42	1.00	1.190	1.00	50.00	50.00	1.339	1.339	1.00
17	10:15	1.00	1.258	1.00	50.00	50.00	2.658	2.658	1.00
18	11:03	1.00	1.356	1.00	50.00	50.00	1.919	1.919	1.00
19	10:54	1.00	0.560	1.00	50.00	50.00	0.030	0.030	1.00
20	12:24	1.00	0.638	1.00	50.00	50.00	0.309	0.309	1.00
21	12:51	1.00	0.661	1.00	50.00	50.00	0.283	0.283	1.00
22	13:00	1.00	0.668	1.00	50.00	50.00	0.643	0.643	1.00
23	13:21	1.00	0.686	1.00	50.00	50.00	0.464	0.464	1.00
24	14:54	1.00	0.766	1.00	50.00	50.00	0.450	0.450	1.00
25	15:12	1.00	0.781	1.00	70.00	70.00	0.536	0.536	1.00
26	15:51	1.00	0.815	1.00	50.00	50.00	0.338	0.338	1.00
27	16:30	1.00	0.848	1.00	50.00	50.00	0.374	0.374	1.00
28	16:39	1.00	0.856	1.00	50.00	50.00	0.275	0.275	1.00
29	16:27	1.00	0.846	1.00	50.00	50.00	0.928	0.928	1.00
30	16:39	1.00	0.856	1.00	29.00	29.00	0.437	0.437	1.00
31	19:39	1.00	1.010	1.00	50.00	50.00	0.333	0.333	1.00
32	20:15	1.00	0.805	1.00	50.00	50.00	0.154	0.154	1.00
33	22:03	1.00	0.877	1.00	50.00	50.00	0.149	0.149	1.00
34	22:24	1.00	0.891	1.00	50.00	50.00	0.398	0.398	1.00
35	22:21	1.00	0.889	1.00	50.00	50.00	0.592	0.592	1.00
36	24:00	1.00	0.954	1.00	50.00	50.00	0.682	0.682	1.00
37	25:18	1.00	1.006	1.00	50.00	50.00	0.806	0.806	1.00
38	27:27	1.00	1.091	1.00	50.00	50.00	0.433	0.433	1.00
39	30:33	1.00	1.215	1.00	50.00	50.00	0.889	0.889	1.00
40	30:45	1.00	1.223	1.00	50.00	50.00	0.530	0.530	1.00
41	31:24	1.00	1.249	1.00	50.00	50.00	0.514	0.514	1.00

00800

RMPL QUANTITATION SUMMARY FILE: STDW564
COMPOUNDS WITH AMOUNTS LESS THAN 1.00 REPORTED AS NOT FOUND

00889

UNITS. UG/L

NO	LIBRARY ENTRY		NAME	MASS	SCAN	REF	AREA	RRF	AMOUNT
1	V1#	1	CI01 BROMOCHLOROMETHANE	128	163	1	29441.	1.000	50.000
2	V2#	1	CI10 1,4-DIFLUOROBENZENE	114	389	2	170884.	1.000	50.000
3	V3#	1	CI20 CHLOROBENZENE-D5	117	503	3	152138.	1.000	50.000
4	V3#	2	CS05 TOLUENE-D8	98	475	3	182939.	1.202	50.000
5	V3#	3	CS10 BROMOFLUOROBENZENE	95	590	3	105588.	0.694	50.000
6	V1#	2	CS15 1,2-DICHLOROETHANE-	65	218	1	55616.	1.889	50.000
7	V1#	10	C010 CHLOROMETHANE	50	32	1	57155.	1.941	50.000
8	V1#	15	C015 BROMOMETHANE	94	48	1	41456.	1.408	50.000
9	V1#	25	C020 VINYL CHLORIDE	62	60	1	53929	1.832	50.000
10	V1#	35	C025 CHLOROETHANE	64	74	1	34063.	1.157	50.000
11	V1#	45	C030 METHYLENE CHLORIDE	84	107	1	56973	1.935	50.000
12	V1#	50	C035 ACETONE	58	116	1	4350	0.148	50.000
13	V1#	65	C040 CARBON DISULFIDE	76	133	1	78531.	2.667	50.000
14	V1#	80	C045 1,1-DICHLOROETHENE	96	154	1	31034	1.054	50.000
15	V1#	90	C050 1,1-DICHLOROETHANE	63	180	1	89853.	3.052	50.000
16	V1#	95	TRANS-1,2-DICHLOROETHENE	96	194	1	39431.	1.339	50.000
17	V1#	100	C060 CHLOROFORM	83	205	1	78249.	2.658	50.000
18	V1#	110	C065 1,2-DICHLOROETHANE	62	221	1	56504.	1.919	50.000
19	V2#	10	C110 2-BUTANONE	72	218	2	5123	0.030	50.000
20	V2#	15	C115 1,1,1-TRICHLOROETHA	97	248	2	52789	0.309	50.000
21	V2#	20	C120 CARBONTETRACHLORIDE	117	257	2	48334	0.283	50.000
22	V2#	25	C125 VINYL ACETATE	43	260	2	109840.	0.643	50.000
23	V2#	30	C130 BROMODICHLOROMETHAN	83	267	2	79361.	0.464	50.000
24	V2#	35	C140 1,2-DICHLOROPROPANE	63	298	2	76924.	0.450	50.000
25	V2#	40	C143 CIS-1,3-DICHLOROPRO	75	304	2	128333.	0.536	70.000
26	V2#	45	C150 TRICHLOROETHENE	130	317	2	57815.	0.338	50.000
27	V2#	50	C155 DIBROMOCHLOROMETHAN	129	330	2	63911.	0.374	50.000
28	V2#	55	C160 1,1,2-TRICHLOROETHA	97	333	2	47019.	0.275	50.000
29	V2#	60	C165 BENZENE	78	329	2	158533.	0.928	50.000
30	V2#	65	C172 TRANS-1,3-DICHLOROP	75	333	2	43340.	0.437	29.000
31	V2#	80	C180 BROMOFORM	173	393	2	56891.	0.333	50.000
32	V3#	10	C205 4-METHYL-2-PENTANON	58	405	3	23490.	0.154	50.000
33	V3#	15	C210 2-HEXANONE	58	441	3	22699.	0.149	50.000
34	V3#	20	C220 TETRACHLOROETHENE	164	448	3	60537.	0.398	50.000
35	V3#	25	C225 1,1,2,2-TETRACHLORO	83	447	3	90086.	0.592	50.000
36	V3#	35	C230 TOLUENE	92	480	3	103693.	0.682	50.000
37	V3#	40	C235 CHLOROBENZENE	112	506	3	122565.	0.806	50.000
38	V3#	50	C240 ETHYLBENZENE	106	549	3	65803.	0.433	50.000
39	V3#	55	C245 STYRENE	104	611	3	135295.	0.889	50.000
40	V3#	60	M-XYLENE	106	615	3	80606.	0.530	50.000
41	V3#	75	O+P XYLENES	106	628	3	78168.	0.514	50.000

5/3/88 12:26:36 SCAN 1 OF 730
Acquisition started

Acquire
05/03/88 12:26:00 + 0:03
Sample: CLP,59450,,VSTD50,V# ,VOA,CAL
Conds.: CS1 4/13-1, CS2 4/15-1, API 3/15, IS/SCS 4/29-2
Formula:
Submitted by: RMAL

Run 3:STDW979
Free sectors: 9574
Instrument: 5100
Analyst: GW

Acquiring
Scan: 1 of 730
Weight: 0.031
Acct. No: 59450

06800

*** GC descriptor: V3 ***

GC temperature: 60 DegC
Elapsed time : 0: 7 min

Injector: 50 DegC
Interface: 220 DegC

Seq. #	Temp (DegC)	Rate (C/min)	Time (minutes) period	total
1	60- 60	-	2.0	2.0
2	60-250	7.0	27.1	29.1
3	250-250	-	10.0	39.1
4	250-250	-	0.0	39.1

Valve times (minutes)

	Open	Close
Sweep/Split	36.1	0.0
Divert	36.1	0.8

*** Scan Parameters ***

Low mass: 40 u
High mass: 260 u

Scan time (s)
Up: 2.95 L*
Down: 0.00 L

Hold time (s)
Top: 0.00
Bottom: 0.05

Cent S/P: 10 Actual: 67
Frag S/P: 10 Actual: 10

Samp int (ms): 0.200
Samp int (ms): 1.400

Peak width: 1000.
Inten/ion: 2

Min peak width: 3
ADC threshold: 1

Min frag width %: 81
Baseline: 0

Min area: 20

MODE: EI (+) Centroid + Temp

Interface number	0	
Sub-interface number	0	
# of acqu buffers	16	
Instrument type	Q	
Full scale mass	812	u
Zero scale mass	1	u
Intensity/ion	2	
Peak width	1000.	mmu
Offset at low mass	0	mmu
Offset at high mass	0	mmu
Voltage settling time(ms)	4	

Current instrument parameters.

	Positive ion mode	Negative ion mode
Resolution (high)	127.00	128.00
Resolution (low)	125.00	128.00
Ion energy	1.96	-4.00
Ion programming	5.41	-4.00
Lens voltage	-80.00	50.20
Extractor voltage	0.94	not used

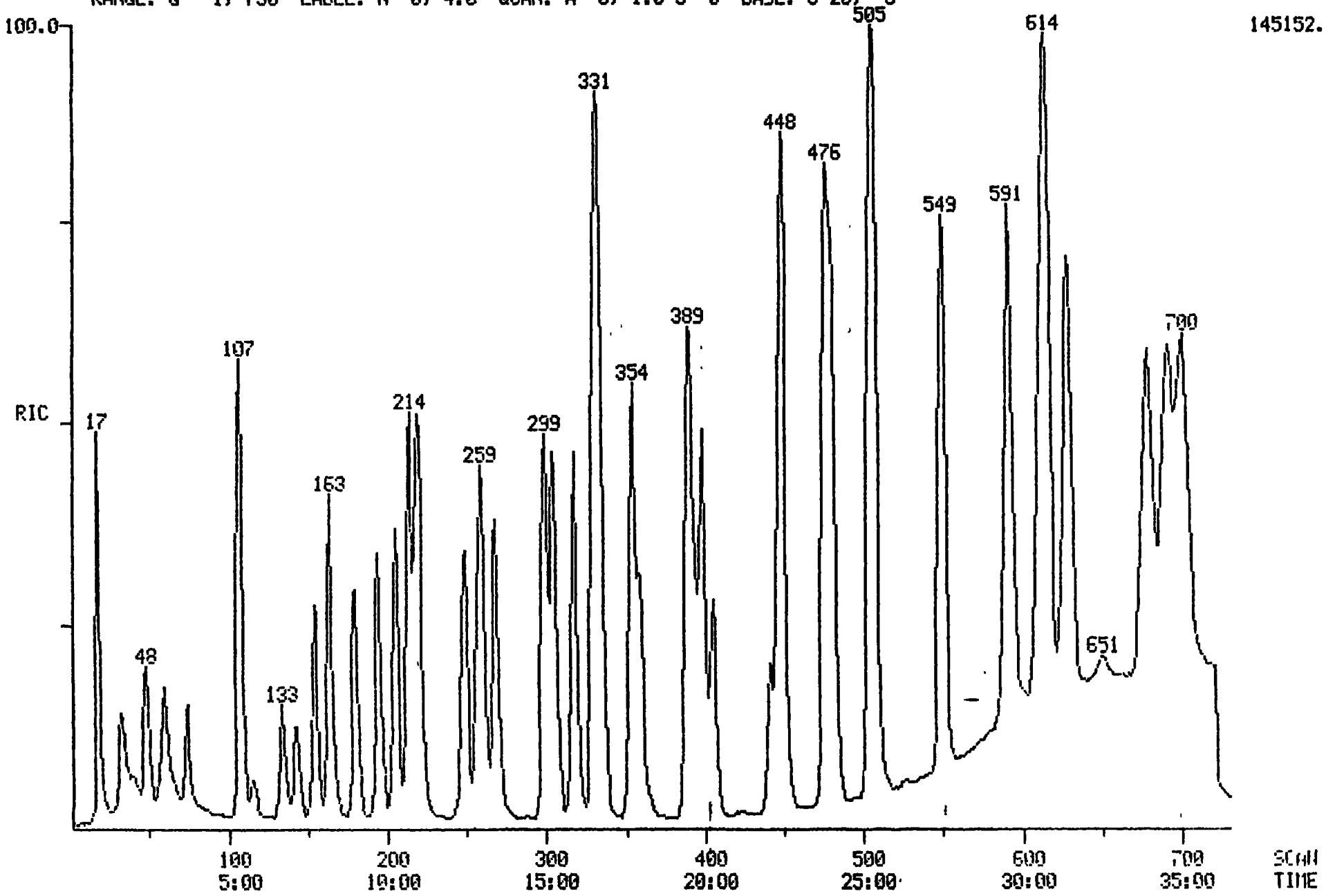
Electron multiplier voltage: -2271.
Electrometer Range: 10 ^-7
Electrometer zero: -4.4

5/3/88 13:03:09
Acquisition completed
Scans 1 to 730 centroid

Mode	Scans	Secs	out of	%	Peaks per scan per second		
Centroid	730	52.8	2190.0	2.4	22106.	30.	10.

16300

PIC DATA: STDW979 #4 SCANS 1 TO 730
05/03/88 12:26:00 CALI: 050388CW #2
SAMPLE: CLP,59450,,VSTD50,V# ,VOA,CAL
CONDS.: CS1 4/13-1, CS2 4/15-1, API 3/15, IS/SCS 4/29-2
RANGE: G 1, 730 LABEL: N 0, 4.0 QUAN: A 0, 1.0 J 0 BASE: U 20, 3



PROCEDURE: TCA DIAGNOSTIC REPORT 5/03/88 13:04:13
DATA FILE: STDW979
REFERENCE: 11TABLE
NAME LIST: LLNL INITIALIZATION OPTION: 2 PROCESSING OPTION: 3
REPORT: ISO1

00892

STANDARDS PROC	STANDARDS USED	STANDARDS POSS	STANDARDS RMS	PLUS UNKNOWNS PROC	PLUS UNKNOWNS USED	PLUS UNKNOWNS POSS	PLUS UNKNOWNS RMS	LIST NAMES STANDARD/UNKNOWN
1	1	1	0	9	9	4	45	ISO1/TCO1
3	3	1	53	18	18	2	50	ISO2/TCO2
3	3	1	53	12	12	1	65	ISO3/TCO3
1	1	1	0	7	7	1	65	ISO4/TCO4

41 COMPOUNDS PROCESSED, 41 FOUND

COMPOUND NO	LIB	ENTRY	SEARCH REF	PRED	SEL	DELTA	PEAKS	SAT FIT	PEAKS	CHRO M/Z	TOP	DELTA	PEAKS
1	V1	1	-162	163	163	.	1	973	.	128	163	.	1
2	V1	10	-32	32	32	.	1	988	.	50	32	.	1
3	V1	15	-48	48	48	.	1	996	.	94	48	.	1
4	V1	25	-60	60	59	-1	1	998	.	62	59	.	1
5	V1	35	-74	74	74	.	1	984	.	64	74	.	1
6	V1	45	-107	107	107	.	1	988	.	84	107	.	1
7	V1	50	-116	116	116	.	4	1000	.	58	116	.	1
8	V1	65	-133	133	133	.	1	989	.	76	133	.	1
9	V1	80	-154	154	154	.	1	985	.	96	154	.	1
10	V2	1	-388	389	389	.	1	998	.	114	389	.	1
11	V3	1	-502	504	504	.	1	1000	.	117	504	.	1
12	V1	90	-180	180	180	.	1	988	.	63	179	-1	1
13	V1	95	-194	194	194	.	1	991	.	96	194	.	1
14	V1	100	-205	205	205	.	1	1000	.	83	205	.	1
15	V1	2	-218	218	219	1	1	983	.	65	219	.	1
16	V2	10	-218	218	218	.	1	996	.	72	218	.	1
17	V1	110	-221	221	221	.	1	999	.	62	221	.	1
18	V2	15	-248	248	248	.	1	996	.	97	248	.	1
19	V2	20	-257	257	257	.	2	1000	.	117	257	.	1
20	V2	25	-260	260	260	.	1	989	.	43	260	.	1
21	V2	30	-267	267	268	1	1	978	.	83	268	.	1
22	V2	35	-298	299	299	.	1	999	.	63	299	.	1
23	V2	40	-304	305	304	-1	1	999	.	75	304	.	1
24	V2	45	-317	318	317	-1	1	960	.	130	317	.	1
25	V2	60	-329	330	330	.	1	986	.	78	330	.	1
26	V2	50	-330	331	331	.	1	972	.	129	331	.	1
27	V2	65	-333	334	334	.	1	965	.	75	334	.	1
28	V2	55	-333	334	334	.	1	987	.	97	334	.	1
29	V2	80	-393	394	393	-1	1	988	.	173	393	.	1
30	V3	10	-405	406	405	-1	1	999	.	58	405	.	1
31	V3	15	-441	442	441	-1	1	996	.	58	441	.	1
32	V3	25	-447	448	448	.	1	888	.	83	447	-1	1
33	V3	20	-448	449	449	.	1	987	.	164	449	.	1
34	V3	2	-475	476	476	.	1	988	.	98	476	.	1
35	V3	35	-480	481	480	-1	1	987	.	92	480	.	1
36	V3	40	-506	507	507	.	1	986	.	112	507	.	1
37	V3	50	-549	550	549	-1	1	993	.	106	549	.	1
38	V3	3	-590	591	591	.	1	988	.	95	591	.	1
39	V3	55	-611	611	612	1	1	990	.	104	612	.	1
40	V3	60	-615	615	615	.	1	983	.	106	615	.	1
41	V3	75	-628	628	628	.	1	995	.	106	628	.	1

Quantitation Report File. STDW979

00893

Data: STDW979.TI
05/03/88 12:26:00
Sample: CLP,59450,,VSTD50,V# ,VOA,CAL
Conds.: CS1 4/13-1, CS2 4/15-1, API 3/15, IS/SCS 4/29-2
Formula: Instrument. 5100 Weight. 0.031
Submitted by: RMAL Analyst: GW Acct. No.: 59450

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

No	Name				
1	CI01 BROMOCHLOROMETHANE	128	IV1#	01	74-97-5
2	C010 CHLOROMETHANE	50	V1#	10SP	74-87-3
3	C015 BROMOMETHANE	94	V1#	15	74-83-9
4	C020 VINYL CHLORIDE	62	V1#	25	75-01-4
5	C025 CHLOROETHANE	64	V1#	35	75-00-3
6	C030 METHYLENE CHLORIDE	84	V1#	45	75-09-2
7	C035 ACETONE	58	V1#	50	67-64-1
8	C040 CARBON DISULFIDE	76	V1#	65	75-15-0
9	C045 1,1-DICHLOROETHENE	61	V1#	80	75-35-4
10	CI10 1,4-DIFLUOROBENZENE	114	IV2#	01	540-36-3
11	CI20 CHLOROBENZENE-D5	117	IV3#	01	3114-55-4
12	C050 1,1-DICHLOROETHANE	63	V1#	90	75-34-3
13	TRANS-1,2-DICHLOROETHENE	61	V1#	95	156-60-5
14	C060 CHLOROFORM	83	V1#	100CC	67-66-3
15	CS15 1,2-DICHLOROETHANE-D4	65	SV1#	02	17060-07-0
16	C110 2-BUTANONE	72	V2#	10	78-93-3
17	C065 1,2-DICHLOROETHANE	62	V1#	110	107-06-2
18	C115 1,1,1-TRICHLOROETHANE	97	V2#	15	71-55-6
19	C120 CARBONTETRACHLORIDE	117	V2#	20	56-23-5
20	C125 VINYL ACETATE	43	V2#	25	108-05-4
21	C130 BROMODICHLOROMETHANE	83	V2#	30	75-27-4
22	C140 1,2-DICHLOROPROPANE	63	V2#	35CC	78-87-5
23	C143 CIS-1,3-DICHLOROPROPENE	75	V2#	40	10061-01-5
24	C150 TRICHLOROETHENE	130	V2#	45	79-01-6
25	C165 BENZENE	78	V2#	60	71-43-2
26	C155 DIBROMOCHLOROMETHANE	129	V2#	50	124-48-1
27	C172 TRANS-1,3-DICHLOROPROPE	75	V2#	65	10061-02-6
28	C160 1,1,2-TRICHLOROETHANE	97	V2#	55	79-00-5
29	C180 BROMOFORM	173	V2#	80	75-25-2
30	C205 4-METHYL-2-PENTANONE	58	V3#	10	108-10-1
31	C210 2-HEXANONE	58	V3#	15	591-78-6
32	C225 1,1,2,2-TETRACHLOROETHA	83	V3#	25SP	79-34-5
33	C220 TETRACHLOROETHENE	164	V3#	20	127-18-4
34	CS05 TOLUENE-D8	98	SV3#	02	2037-26-5
35	C230 TOLUENE	92	V3#	35	108-88-3
36	C235 CHLOROBENZENE	112	V3#	40	108-90-7
37	C240 ETHYLBENZENE	106	V3#	50	100-41-4
38	CS10 BROMOFLUOROBENZENE	95	SV3#	03	460-00-4
39	C245 STYRENE	104	V3#	55	100-42-5
40	M-XYLENE	106	V3#	60	108-38-3
41	O+P XYLENES	106	V3#	75	

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount	%Tot
1	128	163	8:09	1	1.000	A BB	27740	50.000 UG/L	2.33
2	50	32	1:36	1	0.196	A BB	52612.	48.848 UG/L	2.28
3	94	48	2:24	1	0.294	A BB	37502.	48.003 UG/L	2.24
4	62	59	2:57	1	0.362	A BV	50539.	49.731 UG/L	2.32
5	64	74	3:42	1	0.454	A VB	33330.	51.916 UG/L	2.42
6	84	107	5:21	1	0.656	A BB	56196.	52.342 UG/L	2.44
7	58	116	5:48	1	0.712	A BV	4173.	50.907 UG/L	2.38
8	76	133	6:39	1	0.816	A BB	69306.	46.833 UG/L	2.19
9	96	154	7:42	1	0.945	A BB	29686.	50.761 UG/L	2.37
10	114	389	19:27	10	1.000	A BB	164269.	50.000 UG/L	2.33
11	117	504	25:12	11	1.000	A BB	144715.	50.000 UG/L	2.33
12	63	179	8:57	1	1.098	A BB	90493.	53.444 UG/L	2.49
13	96	194	9:42	1	1.190	A BB	39941.	53.752 UG/L	2.51
14	83	205	10:15	1	1.258	A BB	78075.	52.948 UG/L	2.47
15	65	219	10:57	1	1.344	A BB	54025.	51.549 UG/L	2.41
16	72	218	10:54	10	0.560	A BB	5494.	55.780 UG/L	2.60
17	62	221	11:03	1	1.356	A BB	56455.	53.020 UG/L	2.47
18	97	248	12:24	10	0.633	A BB	53315.	52.532 UG/L	2.45
19	117	257	12:51	10	0.661	A VB	49401.	53.161 UG/L	2.48
20	43	260	13:00	10	0.668	A BB	178393.	84.476 UG/L	3.94
21	83	268	13:24	10	0.689	A BB	80897.	53.020 UG/L	2.47
22	63	299	14:57	10	0.769	A BB	75152.	50.815 UG/L	2.37
23	75	304	15:12	10	0.781	A BB	126833	71.967 UG/L	3.36
24	130	317	15:51	10	0.815	A BV	55375.	49.818 UG/L	2.32
25	78	330	16:30	10	0.848	A BB	157368.	51.631 UG/L	2.41
26	129	331	16:33	10	0.851	A BB	63610.	51.768 UG/L	2.42
27	75	334	16:42	10	0.859	A BB	44088.	30.688 UG/L	1.43
28	97	334	16:42	10	0.859	A BB	47723.	52.792 UG/L	2.46
29	173	393	19:39	10	1.010	A BB	52630.	48.118 UG/L	2.25
30	58	405	20:15	11	0.804	A BB	23334.	52.216 UG/L	2.44
31	58	441	22:03	11	0.875	A BB	24416.	56.540 UG/L	2.64
32	83	447	22:21	11	0.887	A BB	91740.	53.530 UG/L	2.50
33	164	449	22:27	11	0.891	A BB	56815.	49.333 UG/L	2.30
34	98	476	23:48	11	0.944	A BB	173291.	49.793 UG/L	2.32
35	92	480	24:00	11	0.952	A BB	105287.	53.373 UG/L	2.49
36	112	507	25:21	11	1.006	A BB	124660.	53.463 UG/L	2.49
37	106	549	27:27	11	1.089	A BB	66280.	52.945 UG/L	2.47
38	95	591	29:33	11	1.173	A BB	98361.	48.967 UG/L	2.28
39	104	612	30:36	11	1.214	A BB	132109.	51.327 UG/L	2.40
40	106	615	30:45	11	1.220	A BV	78030.	50.885 UG/L	2.37
41	106	628	31:24	11	1.246	A VB	74412.	50.040 UG/L	2.33

No	Ret(L)	Ratio	RRT(L)	Ratio	Amnt	Amnt(L)	R.Fac	R.Fac(L)	Ratio
1	8:09	1.00	1.000	1.00	50.00	50.00	1.000	1.000	1.00
2	1:36	1.00	0.196	1.00	48.85	50.00	1.897	1.941	0.98
3	2:24	1.00	0.294	1.00	48.00	50.00	1.352	1.408	0.96
4	3:00	0.98	0.368	0.98	49.73	50.00	1.822	1.832	0.99
5	3:42	1.00	0.454	1.00	51.92	50.00	1.202	1.157	1.04
6	5:21	1.00	0.656	1.00	52.34	50.00	2.026	1.935	1.05
7	5:48	1.00	0.712	1.00	50.91	50.00	0.150	0.148	1.02
8	6:39	1.00	0.816	1.00	46.83	50.00	2.498	2.667	0.94
9	7:42	1.00	0.945	1.00	50.76	50.00	1.070	1.054	1.02
10	19:27	1.00	1.000	1.00	50.00	50.00	1.000	1.000	1.00
11	25:09	1.00	1.000	1.00	50.00	50.00	1.000	1.000	1.00
12	9:00	0.99	1.104	0.99	53.44	50.00	3.262	3.052	1.07
13	9:42	1.00	1.190	1.00	53.75	50.00	1.440	1.339	1.08

No	Ret(L)	Ratio	RRT(L)	Ratio	Amnt	Amnt(L)	R.Fac	R.Fac(L)	Ratio
14	10:15	1.00	1.258	1.00	52.95	50.00	2.815	2.658	1.06
15	10:54	1.00	1.337	1.00	51.55	50.00	1.948	1.889	1.03
16	10:54	1.00	0.560	1.00	55.78	50.00	0.033	0.030	1.12
17	11:03	1.00	1.356	1.00	53.02	50.00	2.035	1.919	1.06
18	12:24	1.00	0.638	1.00	52.53	50.00	0.325	0.309	1.05
19	12:51	1.00	0.661	1.00	53.16	50.00	0.301	0.283	1.06
20	13:00	1.00	0.668	1.00	84.48	50.00	1.086	0.643	1.69
21	13:21	1.00	0.686	1.00	53.02	50.00	0.492	0.464	1.06
22	14:54	1.00	0.766	1.00	50.81	50.00	0.457	0.450	1.02
23	15:12	1.00	0.781	1.00	71.97	70.00	0.551	0.536	1.03
24	15:51	1.00	0.815	1.00	49.82	50.00	0.337	0.338	1.00
25	16:27	1.00	0.846	1.00	51.63	50.00	0.958	0.928	1.03
26	16:30	1.00	0.848	1.00	51.77	50.00	0.387	0.374	1.04
27	16:39	1.00	0.856	1.00	30.69	29.00	0.463	0.437	1.06
28	16:39	1.00	0.856	1.00	52.79	50.00	0.291	0.275	1.06
29	19:39	1.00	1.010	1.00	48.12	50.00	0.320	0.333	0.96
30	20:15	1.00	0.805	1.00	52.22	50.00	0.161	0.154	1.04
31	22:03	1.00	0.877	1.00	56.54	50.00	0.169	0.149	1.13
32	22:21	1.00	0.889	1.00	53.53	50.00	0.634	0.592	1.07
33	22:24	1.00	0.891	1.00	49.33	50.00	0.393	0.398	0.99
34	23:45	1.00	0.944	1.00	49.79	50.00	1.197	1.202	1.00
35	24:00	1.00	0.954	1.00	53.37	50.00	0.728	0.682	1.07
36	25:18	1.00	1.006	1.00	53.46	50.00	0.861	0.806	1.07
37	27:27	1.00	1.091	1.00	52.95	50.00	0.458	0.433	1.06
38	29:30	1.00	1.173	1.00	48.97	50.00	0.680	0.694	0.98
39	30:33	1.00	1.215	1.00	51.33	50.00	0.913	0.889	1.03
40	30:45	1.00	1.223	1.00	50.88	50.00	0.539	0.530	1.02
41	31:24	1.00	1.249	1.00	50.04	50.00	0.514	0.514	1.00

00895

TCA FINISHED, 41 FOUND
FINISHED AT: 5/03/88 13:08:30

00896

RMAL QUANTITATION SUMMARY FILE: STDW979
COMPOUNDS WITH AMOUNTS LESS THAN 1.00 REPORTED AS NOT FOUND

UNITS: UG/L

NO	LIBRARY ENTRY	NAME	MASS	SCAN	REF	AREA	RRF	AMOUNT
1	V1# 1	CI01 BROMOCHLOROMETHANE	128	163	1	27740.	1.000	50.000
2	V2# 1	CI10 1,4-DIFLUOROBENZENE	114	389	2	164269	1.000	50.000
3	V3# 1	CI20 CHLOROBENZENE-D5	117	504	3	144715.	1.000	50.000
4	V3# 2	CS05 TOLUENE-D8	98	476	3	173291.	1.197	49 793
5	V3# 3	CS10 BROMOFLUOROBENZENE	95	591	3	98361.	0.680	48.967
6	V1# 2	CS15 1,2-DICHLOROETHANE-	65	219	1	54025.	1.948	51.549
7	V1# 10	C010 CHLOROMETHANE	50	32	1	52612.	1.897	48.848
8	V1# 15	C015 BROMOMETHANE	94	45	1	37502	1.352	48.005
9	V1# 25	C020 VINYL CHLORIDE	62	59	1	50539	1.822	49.731
10	V1# 35	C025 CHLOROETHANE	64	74	1	33330	1.202	51.915
11	V1# 45	C030 METHYLENE CHLORIDE	84	107	1	56195	2.026	52.342
12	V1# 50	C035 ACETONE	58	116	1	4175.	0.150	50.907
13	V1# 65	C040 CARBON DISULFIDE	76	133	1	69306.	2.498	46.833
14	V1# 80	C045 1,1-DICHLOROETHENE	96	154	1	29686.	1.070	50.761
15	V1# 90	C050 1,1-DICHLOROETHANE	63	179	1	90493.	3.262	53.444
16	V1# 95	TRANS-1,2-DICHLOROETHENE	96	194	1	39941.	1.440	53.752
17	V1#100	C060 CHLOROFORM	83	205	1	78075.	2.815	52.948
18	V1#110	C065 1,2-DICHLOROETHANE	62	221	1	56455.	2.035	53.020
19	V2# 10	C110 2-BUTANONE	72	218	2	5494.	0.033	55.780
20	V2# 15	C115 1,1,1-TRICHLOROETHA	97	248	2	53315.	0.325	52.532
21	V2# 20	C120 CARBONTETRACHLORIDE	117	257	2	49401.	0.301	53.161
22	V2# 25	C125 VINYL ACETATE	43	260	2	178393.	1.086	84.476
23	V2# 30	C130 BROMODICHLOROMETHAN	83	268	2	80897.	0.492	53.020
24	V2# 35	C140 1,2-DICHLOROPROPANE	63	299	2	75152.	0.457	50.815
25	V2# 40	C143 CIS-1,3-DICHLOROPRO	75	304	2	126833.	0.552	71.967
26	V2# 45	C150 TRICHLOROETHENE	130	317	2	55375.	0.337	49.818
27	V2# 50	C155 DIBROMOCHLOROMETHAN	129	331	2	63610.	0.387	51.769
28	V2# 55	C160 1,1,2-TRICHLOROETHA	97	334	2	47723.	0.291	52.792
29	V2# 60	C165 BENZENE	78	330	2	157368.	0.958	51.631
30	V2# 65	C172 TRANS-1,3-DICHLOROP	75	334	2	44088.	0.463	30.688
31	V2# 80	C180 BROMOFORM	173	393	2	52630.	0.320	48.118
32	V3# 10	C205 4-METHYL-2-PENTANON	58	405	3	23334.	0.161	52.216
33	V3# 15	C210 2-HEXANONE	58	441	3	24416.	0.169	56.540
34	V3# 20	C220 TETRACHLOROETHENE	164	449	3	56815.	0.393	49.333
35	V3# 25	C225 1,1,2,2-TETRACHLORO	83	447	3	91740.	0.634	53.530
36	V3# 35	C230 TOLUENE	92	480	3	105287.	0.728	53.373
37	V3# 40	C235 CHLOROBENZENE	112	507	3	124660.	0.861	53.463
38	V3# 50	C240 ETHYLBENZENE	106	549	3	66280.	0.458	52.945
39	V3# 55	C245 STYRENE	104	612	3	132109.	0.913	51.327
40	V3# 60	M-XYLENE	106	615	3	78030.	0.539	50.885
41	V3# 75	O+P XYLENES	106	628	3	74412.	0.514	50.040

Quantitation Report File: STDW979

Data: STDW979 TI
05/03/88 12:26:00
Sample: CLP,59450,,VSTD50,V# ,VOA,CAL
Conds.: CS1 4/13-1, CS2 4/15-1, API 3/15, IS/SCS 4/29-2
Formula: Instrument: 5100 Weight: 0.031
Submitted by: RMAL Analyst: GW Acct. No.: 59450

00897

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

No	Name					
1	CI01	BROMOCHLOROMETHANE	128	IV1#	01	74-97-5
2	CI10	1,4-DIFLUOROBENZENE	114	IV2#	01	540-36-3
3	CI20	CHLOROBENZENE-D5	117	IV3#	01	3114-55-4
4	CS05	TOLUENE-D8	98	SV3#	02	2037-26-5
5	CS10	BROMOFLUOROBENZENE	95	SV3#	03	460-00-4
6	CS15	1,2-DICHLOROETHANE-D4	65	SV1#	02	17060-07-0
7	C010	CHLOROMETHANE	50	V1#	10SP	74-87-3
8	C015	BROMOMETHANE	94	V1#	15	74-83-9
9	C020	VINYL CHLORIDE	62	V1#	25	75-01-4
10	C025	CHLOROETHANE	64	V1#	35	75-00-3
11	C030	METHYLENE CHLORIDE	84	V1#	45	75-09-2
12	C035	ACETONE	58	V1#	50	67-64-1
13	C040	CARBON DISULFIDE	76	V1#	65	75-15-0
14	C045	1,1-DICHLOROETHENE	61	V1#	80	75-35-4
15	C050	1,1-DICHLOROETHANE	63	V1#	90	75-34-3
16	TRANS-1,2-DICHLOROETHENE		61	V1#	95	156-60-5
17	C060	CHLOROFORM	83	V1#	100CC	67-66-3
18	C065	1,2-DICHLOROETHANE	62	V1#	110	107-06-2
19	C110	2-BUTANONE	72	V2#	10	78-93-3
20	C115	1,1,1-TRICHLOROETHANE	97	V2#	15	71-55-6
21	C120	CARBONTETRACHLORIDE	117	V2#	20	56-23-5
22	C125	VINYL ACETATE	43	V2#	25	108-05-4
23	C130	BROMODICHLOROMETHANE	83	V2#	30	75-27-4
24	C140	1,2-DICHLOROPROPANE	63	V2#	35CC	78-87-5
25	C143	CIS-1,3-DICHLOROPROPENE	75	V2#	40	10061-01-5
26	C150	TRICHLOROETHENE	130	V2#	45	79-01-6
27	C155	DIBROMOCHLOROMETHANE	129	V2#	50	124-48-1
28	C160	1,1,2-TRICHLOROETHANE	97	V2#	55	79-00-5
29	C165	BENZENE	78	V2#	60	71-43-2
30	C172	TRANS-1,3-DICHLOROPROPE	75	V2#	65	10061-02-6
31	C180	BROMOFORM	173	V2#	80	75-25-2
32	C205	4-METHYL-2-PENTANONE	58	V3#	10	108-10-1
33	C210	2-HEXANONE	58	V3#	15	591-78-6
34	C220	TETRACHLOROETHENE	164	V3#	20	127-18-4
35	C225	1,1,2,2-TETRACHLOROETHA	83	V3#	25SP	79-34-5
36	C230	TOLUENE	92	V3#	35	108-88-3
37	C235	CHLOROBENZENE	112	V3#	40	108-90-7
38	C240	ETHYLBENZENE	106	V3#	50	100-41-4
39	C245	STYRENE	104	V3#	55	100-42-5
40	M-XYLENE		106	V3#	60	108-38-3
41	O+P XYLENES		106	V3#	75	

No	m/z	Scan	Time	Ref	RRT	Math	Area(Hgnt)	Amount		%Tot
1	128	163	8:09	1	1.000	A BB	27740	50.000	UG/L	2.44
2	114	389	19:27	2	1.000	A BB	164269	50.000	UG/L	2.44
3	117	504	25:12	3	1.000	A BB	144715.	50.000	UG/L	2.44
4	98	476	23:48	3	0.944	A BB	173291.	50.000	UG/L	2.44
5	95	591	29:33	3	1.173	A BB	98361.	50.000	UG/L	2.44
6	65	219	10:57	1	1.344	A BB	54025.	50.000	UG/L	2.44
7	50	32	1:36	1	0.196	A BB	52612.	50.000	UG/L	2.44
8	94	48	2:24	1	0.294	A BB	37502.	50.000	UG/L	2.44
9	62	59	2:57	1	0.362	A BV	50539.	50.000	UG/L	2.44
10	64	74	3:42	1	0.454	A VB	33330.	50.000	UG/L	2.44
11	84	107	5:21	1	0.656	A BB	56196.	50.000	UG/L	2.44
12	58	116	5:48	1	0.712	A BV	4173.	50.000	UG/L	2.44
13	76	133	6:39	1	0.816	A BB	69306.	50.000	UG/L	2.44
14	96	154	7:42	1	0.945	A BB	29686.	50.000	UG/L	2.44
15	63	179	8:57	1	1.098	A BB	90493.	50.000	UG/L	2.44
16	96	194	9:42	1	1.190	A BB	39941.	50.000	UG/L	2.44
17	83	205	10:15	1	1.258	A BB	78075.	50.000	UG/L	2.44
18	62	221	11:03	1	1.356	A BB	56455.	50.000	UG/L	2.44
19	72	218	10:54	2	0.560	A BB	5494.	50.000	UG/L	2.44
20	97	248	12:24	2	0.638	A BB	53315	50.000	UG/L	2.44
21	117	257	12.51	2	0.661	A VB	49401	50.000	UG/L	2.44
22	43	260	13:00	2	0.668	A BB	178393.	50.000	UG/L	2.44
23	83	268	13:24	2	0.689	A BB	80897.	50.000	UG/L	2.44
24	63	299	14:57	2	0.769	A BB	75152.	50.000	UG/L	2.44
25	75	304	15:12	2	0.781	A BB	126833.	70.000	UG/L	3.42
26	130	317	15:51	2	0.815	A BV	55375.	50.000	UG/L	2.44
27	129	331	16:33	2	0.851	A BB	63610.	50.000	UG/L	2.44
28	97	334	16:42	2	0.859	A BB	47723.	50.000	UG/L	2.44
29	78	330	16:30	2	0.848	A BB	157368.	50.000	UG/L	2.44
30	75	334	16:42	2	0.859	A BB	44088.	29.000	UG/L	1.42
31	173	393	19:39	2	1.010	A BB	52630.	50.000	UG/L	2.44
32	58	405	20:15	3	0.804	A BB	23334.	50.000	UG/L	2.44
33	58	441	22:03	3	0.875	A BB	24416.	50.000	UG/L	2.44
34	164	449	22:27	3	0.891	A BB	56815.	50.000	UG/L	2.44
35	83	447	22:21	3	0.887	A BB	91740.	50.000	UG/L	2.44
36	92	480	24:00	3	0.952	A BB	105287.	50.000	UG/L	2.44
37	112	507	25:21	3	1.006	A BB	124660.	50.000	UG/L	2.44
38	106	549	27:27	3	1.089	A BB	66280.	50.000	UG/L	2.44
39	104	612	30:36	3	1.214	A BB	132109.	50.000	UG/L	2.44
40	106	615	30:45	3	1.220	A BV	78030.	50.000	UG/L	2.44
41	106	628	31:24	3	1.246	A VB	74412.	50.000	UG/L	2.44

No	Ret(L)	Ratio	RRT(L)	Ratio	Amnt	Amnt(L)	R.Fac	R.Fac(L)	Ratio
1	8:09	1.00	1.000	1.00	50.00	50.00	1.000	1.000	1.00
2	19:27	1.00	1.000	1.00	50.00	50.00	1.000	1.000	1.00
3	25:12	1.00	1.000	1.00	50.00	50.00	1.000	1.000	1.00
4	23:48	1.00	0.944	1.00	50.00	50.00	1.197	1.197	1.00
5	29:33	1.00	1.173	1.00	50.00	50.00	0.680	0.680	1.00
6	10:57	1.00	1.344	1.00	50.00	50.00	1.948	1.948	1.00
7	1:36	1.00	0.196	1.00	50.00	50.00	1.897	1.897	1.00
8	2:24	1.00	0.294	1.00	50.00	50.00	1.352	1.352	1.00
9	2:57	1.00	0.362	1.00	50.00	50.00	1.822	1.822	1.00
10	3:42	1.00	0.454	1.00	50.00	50.00	1.202	1.202	1.00
11	5:21	1.00	0.656	1.00	50.00	50.00	2.026	2.026	1.00
12	5:48	1.00	0.712	1.00	50.00	50.00	0.150	0.150	1.00
13	6:39	1.00	0.816	1.00	50.00	50.00	2.498	2.498	1.00

00898

No	Ret(L)	Ratio	RRT(L)	Ratio	Amnt	Amnt(L)	R.Fac	R.Fac(L)	Ratio
14	7:42	1.00	0.945	1.00	50.00	50.00	1.070	1.070	1.00
15	8:57	1.00	1.098	1.00	50.00	50.00	3.262	3.262	1.00
16	9:42	1.00	1.190	1.00	50.00	50.00	1.440	1.440	1.00
17	10:15	1.00	1.258	1.00	50.00	50.00	2.815	2.815	1.00
18	11:03	1.00	1.356	1.00	50.00	50.00	2.035	2.035	1.00
19	10:54	1.00	0.560	1.00	50.00	50.00	0.033	0.033	1.00
20	12:24	1.00	0.638	1.00	50.00	50.00	0.325	0.325	1.00
21	12:51	1.00	0.661	1.00	50.00	50.00	0.301	0.301	1.00
22	13:00	1.00	0.668	1.00	50.00	50.00	1.086	1.086	1.00
23	13:24	1.00	0.689	1.00	50.00	50.00	0.492	0.492	1.00
24	14:57	1.00	0.769	1.00	50.00	50.00	0.457	0.457	1.00
25	15:12	1.00	0.781	1.00	70.00	70.00	0.552	0.552	1.00
26	15:51	1.00	0.815	1.00	50.00	50.00	0.337	0.337	1.00
27	16:33	1.00	0.851	1.00	50.00	50.00	0.387	0.387	1.00
28	16:42	1.00	0.859	1.00	50.00	50.00	0.291	0.291	1.00
29	16:30	1.00	0.848	1.00	50.00	50.00	0.958	0.958	1.00
30	16:42	1.00	0.859	1.00	29.00	29.00	0.463	0.463	1.00
31	19:39	1.00	1.010	1.00	50.00	50.00	0.320	0.320	1.00
32	20:15	1.00	0.804	1.00	50.00	50.00	0.161	0.161	1.00
33	22:03	1.00	0.875	1.00	50.00	50.00	0.169	0.169	1.00
34	22:27	1.00	0.891	1.00	50.00	50.00	0.393	0.393	1.00
35	22:21	1.00	0.887	1.00	50.00	50.00	0.634	0.634	1.00
36	24:00	1.00	0.952	1.00	50.00	50.00	0.728	0.728	1.00
37	25:21	1.00	1.006	1.00	50.00	50.00	0.861	0.861	1.00
38	27:27	1.00	1.089	1.00	50.00	50.00	0.458	0.458	1.00
39	30:36	1.00	1.214	1.00	50.00	50.00	0.913	0.913	1.00
40	30:45	1.00	1.220	1.00	50.00	50.00	0.539	0.539	1.00
41	31:24	1.00	1.246	1.00	50.00	50.00	0.514	0.514	1.00

Quantitation Report File: STDW979

Data: STDW979.TI
05/03/88 12:26:00
Sample: CLP,59450,,VSTD50,V# ,VOA,CAL
Conds.: CS1 4/13-1, CS2 4/15-1, API 3/15, IS/SCS 4/29-2
Formula. Instrument: 5100 Weight: 0.031
Submitted by: RMAL Analyst: GW Acct. No.: 59450

00900

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

No	Name					
1	CI01	BROMOCHLOROMETHANE	128	IV1#	01	74-97-5
2	CI10	1,4-DIFLUOROBENZENE	114	IV2#	01	540-36-3
3	CI20	CHLOROBENZENE-D5	117	IV3#	01	3114-55-4
4	CS05	TOLUENE-D8	98	SV3#	02	2037-26-5
5	CS10	BROMOFLUOROBENZENE	95	SV3#	03	460-00-4
6	CS15	1,2-DICHLOROETHANE-D4	65	SV1#	02	17060-07-0
7	C010	CHLOROMETHANE	50	V1#	10SP	74-87-3
8	C015	BROMOMETHANE	94	V1#	15	74-83-9
9	C020	VINYL CHLORIDE	62	V1#	25	75-01-4
10	C025	CHLOROETHANE	64	V1#	35	75-00-3
11	C030	METHYLENE CHLORIDE	84	V1#	45	75-09-2
12	C035	ACETONE	58	V1#	50	67-64-1
13	C040	CARBON DISULFIDE	76	V1#	65	75-15-0
14	C045	1,1-DICHLOROETHENE	61	V1#	80	75-35-4
15	C050	1,1-DICHLOROETHANE	63	V1#	90	75-34-3
16	TRANS-1,2-DICHLOROETHENE		61	V1#	95	156-60-5
17	C060	CHLOROFORM	83	V1#	100CC	67-66-3
18	C065	1,2-DICHLOROETHANE	62	V1#	110	107-06-2
19	C110	2-BUTANONE	72	V2#	10	78-93-3
20	C115	1,1,1-TRICHLOROETHANE	97	V2#	15	71-55-6
21	C120	CARBONTETRACHLORIDE	117	V2#	20	56-23-5
22	C125	VINYL ACETATE	43	V2#	25	108-05-4
23	C130	BROMODICHLOROMETHANE	83	V2#	30	75-27-4
24	C140	1,2-DICHLOROPROPANE	63	V2#	35CC	78-87-5
25	C143	CIS-1,3-DICHLOROPROPENE	75	V2#	40	10061-01-5
26	C150	TRICHLOROETHENE	130	V2#	45	79-01-6
27	C155	DIBROMOCHLOROMETHANE	129	V2#	50	124-48-1
28	C160	1,1,2-TRICHLOROETHANE	97	V2#	55	79-00-5
29	C165	BENZENE	78	V2#	60	71-43-2
30	C172	TRANS-1,3-DICHLOROPROPE	75	V2#	65	10061-02-6
31	C180	BROMOFORM	173	V2#	80	75-25-2
32	C205	4-METHYL-2-PENTANONE	58	V3#	10	108-10-1
33	C210	2-HEXANONE	58	V3#	15	591-78-6
34	C220	TETRACHLOROETHENE	164	V3#	20	127-18-4
35	C225	1,1,2,2-TETRACHLOROETHA	83	V3#	25SP	79-34-5
36	C230	TOLUENE	92	V3#	35	108-88-3
37	C235	CHLOROBENZENE	112	V3#	40	108-90-7
38	C240	ETHYLBENZENE	106	V3#	50	100-41-4
39	C245	STYRENE	104	V3#	55	100-42-5
40	M-XYLENE		106	V3#	60	108-38-3
41	O+P XYLENES		106	V3#	75	

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount		%Tot
1	128	163	8:09	1	1.000	A BB	27740.	50.000	UG/L	2.44
2	114	389	19:27	2	1.000	A BB	164269.	50.000	UG/L	2.44
3	117	504	25:12	3	1.000	A BB	144715	50.000	UG/L	2.44
4	98	476	23:48	3	0.944	A BB	173291	50.000	UG/L	2.44
5	95	591	29:33	3	1.173	A BB	98361	50.000	UG/L	2.44
6	65	219	10:57	1	1.344	A BB	54025.	50.000	UG/L	2.44
7	50	32	1:36	1	0.196	A BB	52612.	50.000	UG/L	2.44
8	94	48	2:24	1	0.294	A BB	37502.	50.000	UG/L	2.44
9	62	59	2:57	1	0.362	A BV	50539.	50.000	UG/L	2.44
10	64	74	3:42	1	0.454	A VB	33330.	50.000	UG/L	2.44
11	84	107	5:21	1	0.656	A BB	56196.	50.000	UG/L	2.44
12	58	116	5:48	1	0.712	A BV	4173.	50.000	UG/L	2.44
13	76	133	6:39	1	0.816	A BB	69306.	50.000	UG/L	2.44
14	96	154	7:42	1	0.945	A BB	29686.	50.000	UG/L	2.44
15	63	179	8:57	1	1.098	A BB	90493.	50.000	UG/L	2.44
16	96	194	9:42	1	1.190	A BB	39941	50.000	UG/L	2.44
17	83	205	10.15	1	1.258	A BB	78075.	50.000	UG/L	2.44
18	62	221	11:03	1	1.356	A BB	56455.	50.000	UG/L	2.44
19	72	218	10:54	2	0.560	A BB	5494.	50.000	UG/L	2.44
20	97	248	12.24	2	0.638	A BB	53315.	50.000	UG/L	2.44
21	117	257	12.51	2	0.661	A VB	49401	50.000	UG/L	2.44
22	43	260	13.00	2	0.668	A BB	178393.	50.000	UG/L	2.44
23	83	268	13.24	2	0.689	A BB	80897.	50.000	UG/L	2.44
24	63	299	14:57	2	0.769	A BB	75152.	50.000	UG/L	2.44
25	75	304	15:12	2	0.781	A BB	126833.	70.000	UG/L	3.42
26	130	317	15:51	2	0.815	A BV	55375.	50.000	UG/L	2.44
27	129	331	16:33	2	0.851	A BB	63610.	50.000	UG/L	2.44
28	97	334	16:42	2	0.859	A BB	47723	50.000	UG/L	2.44
29	78	330	16:30	2	0.848	A BB	157368.	50.000	UG/L	2.44
30	75	334	16:42	2	0.859	A BB	44088.	29.000	UG/L	1.42
31	173	393	19:39	2	1.010	A BB	52630.	50.000	UG/L	2.44
32	58	405	20:15	3	0.804	A BB	23334.	50.000	UG/L	2.44
33	58	441	22:03	3	0.875	A BB	24416.	50.000	UG/L	2.44
34	164	449	22:27	3	0.891	A BB	56815.	50.000	UG/L	2.44
35	83	447	22:21	3	0.887	A BB	91740.	50.000	UG/L	2.44
36	92	480	24:00	3	0.952	A BB	105287.	50.000	UG/L	2.44
37	112	507	25:21	3	1.006	A BB	124660.	50.000	UG/L	2.44
38	106	549	27:27	3	1.089	A BB	66280.	50.000	UG/L	2.44
39	104	612	30:36	3	1.214	A BB	132109.	50.000	UG/L	2.44
40	106	615	30:45	3	1.220	A BV	78030.	50.000	UG/L	2.44
41	106	628	31:24	3	1.246	A VB	74412.	50.000	UG/L	2.44

No	Ret(L)	Ratio	RRT(L)	Ratio	Amnt	Amnt(L)	R.Fac	R.Fac(L)	Ratio
1	8:09	1.00	1.000	1.00	50.00	50.00	1.000	1.000	1.00
2	19:27	1.00	1.000	1.00	50.00	50.00	1.000	1.000	1.00
3	25:12	1.00	1.000	1.00	50.00	50.00	1.000	1.000	1.00
4	23:48	1.00	0.944	1.00	50.00	50.00	1.197	1.197	1.00
5	29:33	1.00	1.173	1.00	50.00	50.00	0.680	0.680	1.00
6	10:57	1.00	1.344	1.00	50.00	50.00	1.948	1.948	1.00
7	1:36	1.00	0.196	1.00	50.00	50.00	1.897	1.897	1.00
8	2:24	1.00	0.294	1.00	50.00	50.00	1.352	1.352	1.00
9	2:57	1.00	0.362	1.00	50.00	50.00	1.822	1.822	1.00
10	3:42	1.00	0.454	1.00	50.00	50.00	1.202	1.202	1.00
11	5:21	1.00	0.656	1.00	50.00	50.00	2.026	2.026	1.00
12	5:48	1.00	0.712	1.00	50.00	50.00	0.150	0.150	1.00
13	6:39	1.00	0.816	1.00	50.00	50.00	2.498	2.498	1.00

No	Ret(L)	Ratio	RRT(L)	Ratio	Amnt	Amnt(L)	R.Fac	R.Fac(L)	Ratio
14	7:42	1.00	0.945	1.00	50.00	50.00	1.070	1.070	1.00
15	8:57	1.00	1.098	1.00	50.00	50.00	3.262	3.262	1.00
16	9:42	1.00	1.190	1.00	50.00	50.00	1.440	1.440	1.00
17	10:15	1.00	1.258	1.00	50.00	50.00	2.815	2.815	1.00
18	11:03	1.00	1.356	1.00	50.00	50.00	2.035	2.035	1.00
19	10:54	1.00	0.560	1.00	50.00	50.00	0.033	0.033	1.00
20	12:24	1.00	0.638	1.00	50.00	50.00	0.325	0.325	1.00
21	12:51	1.00	0.661	1.00	50.00	50.00	0.301	0.301	1.00
22	13:00	1.00	0.668	1.00	50.00	50.00	1.086	1.086	1.00
23	13:24	1.00	0.689	1.00	50.00	50.00	0.492	0.492	1.00
24	14:57	1.00	0.769	1.00	50.00	50.00	0.457	0.457	1.00
25	15:12	1.00	0.781	1.00	70.00	70.00	0.552	0.552	1.00
26	15:51	1.00	0.815	1.00	50.00	50.00	0.337	0.337	1.00
27	16:33	1.00	0.851	1.00	50.00	50.00	0.387	0.387	1.00
28	16:42	1.00	0.859	1.00	50.00	50.00	0.291	0.291	1.00
29	16:30	1.00	0.848	1.00	50.00	50.00	0.958	0.958	1.00
30	16:42	1.00	0.859	1.00	29.00	29.00	0.463	0.463	1.00
31	19:39	1.00	1.010	1.00	50.00	50.00	0.320	0.320	1.00
32	20:15	1.00	0.804	1.00	50.00	50.00	0.161	0.161	1.00
33	22:03	1.00	0.875	1.00	50.00	50.00	0.169	0.169	1.00
34	22:27	1.00	0.891	1.00	50.00	50.00	0.393	0.393	1.00
35	22:21	1.00	0.887	1.00	50.00	50.00	0.634	0.634	1.00
36	24:00	1.00	0.952	1.00	50.00	50.00	0.728	0.728	1.00
37	25:21	1.00	1.006	1.00	50.00	50.00	0.861	0.861	1.00
38	27:27	1.00	1.089	1.00	50.00	50.00	0.458	0.458	1.00
39	30:36	1.00	1.214	1.00	50.00	50.00	0.913	0.913	1.00
40	30:45	1.00	1.220	1.00	50.00	50.00	0.539	0.539	1.00
41	31:24	1.00	1.246	1.00	50.00	50.00	0.514	0.514	1.00

RMAL QUANTITATION SUMMARY FILE: STDW979
COMPOUNDS WITH AMOUNTS LESS THAN 1.00 REPORTED AS NOT FOUND

UNITS: UG/L

NO	LIBRARY ENTRY		NAME	MASS	SCAN	REF	AREA	RRF	AMOUNT
1	V1#	1	CI01 BROMOCHLOROMETHANE	128	163	1	27740.	1.000	50.000
2	V2#	1	CI10 1,4-DIFLUOROBENZENE	114	389	2	164269.	1.000	50.000
3	V3#	1	CI20 CHLOROBENZENE-D5	117	504	3	144715.	1.000	50.000
4	V3#	2	CS05 TOLUENE-D8	98	476	3	173291.	1.197	50.000
5	V3#	3	CS10 BROMOFLUOROBENZENE	95	591	3	98361.	0.680	50.000
6	V1#	2	CS15 1,2-DICHLOROETHANE-	65	219	1	54025.	1.948	50.000
7	V1#	10	C010 CHLOROMETHANE	50	32	1	52612.	1.897	50.000
8	V1#	15	C015 BROMOMETHANE	94	48	1	37502.	1.352	50 000
9	V1#	25	C020 VINYL CHLORIDE	62	59	1	50539	1.822	50.000
10	V1#	35	C025 CHLOROETHANE	64	74	1	33330	1.202	50.000
11	V1#	45	C030 METHYLENE CHLORIDE	84	107	1	56196	2.026	50.000
12	V1#	50	C035 ACETONE	58	116	1	4173	0.150	50.000
13	V1#	65	C040 CARBON DISULFIDE	76	133	1	69306.	2.498	50.000
14	V1#	80	C045 1,1-DICHLOROETHENE	96	154	1	29686.	1.070	50.000
15	V1#	90	C050 1,1-DICHLOROETHANE	63	179	1	90493.	3.262	50.000
16	V1#	95	TRANS-1,2-DICHLOROETHENE	96	194	1	39941.	1.440	50.000
17	V1#	100	C060 CHLOROFORM	83	205	1	78075.	2.815	50.000
18	V1#	110	C065 1,2-DICHLOROETHANE	62	221	1	56455.	2.035	50.000
19	V2#	10	C110 2-BUTANONE	72	218	2	5494.	0.033	50.000
20	V2#	15	C115 1,1,1-TRICHLOROETHA	97	248	2	53315.	0.325	50.000
21	V2#	20	C120 CARBONTETRACHLORIDE	117	257	2	49401.	0.301	50.000
22	V2#	25	C125 VINYL ACETATE	43	260	2	178393.	1.086	50.000
23	V2#	30	C130 BROMODICHLOROMETHAN	83	268	2	80897.	0.492	50.000
24	V2#	35	C140 1,2-DICHLOROPROPANE	63	299	2	75152.	0.457	50.000
25	V2#	40	C143 CIS-1,3-DICHLOROPRO	75	304	2	126833.	0.552	70.000
26	V2#	45	C150 TRICHLOROETHENE	130	317	2	55375.	0.337	50.000
27	V2#	50	C155 DIBROMOCHLOROMETHAN	129	331	2	63610.	0.387	50.000
28	V2#	55	C160 1,1,2-TRICHLOROETHA	97	334	2	47723.	0.291	50.000
29	V2#	60	C165 BENZENE	78	330	2	157368.	0.958	50.000
30	V2#	65	C172 TRANS-1,3-DICHLOROP	75	334	2	44088.	0.463	29.000
31	V2#	80	C180 BROMOFORM	173	393	2	52630.	0.320	50.000
32	V3#	10	C205 4-METHYL-2-PENTANON	58	405	3	23334.	0.161	50.000
33	V3#	15	C210 2-HEXANONE	58	441	3	24416.	0.169	50.000
34	V3#	20	C220 TETRACHLOROETHENE	164	449	3	56815.	0.393	50.000
35	V3#	25	C225 1,1,2,2-TETRACHLORO	83	447	3	91740.	0.634	50.000
36	V3#	35	C230 TOLUENE	92	480	3	105287.	0.728	50.000
37	V3#	40	C235 CHLOROBENZENE	112	507	3	124660.	0.861	50.000
38	V3#	50	C240 ETHYLBENZENE	106	549	3	66280.	0.458	50.000
39	V3#	55	C245 STYRENE	104	612	3	132109.	0.913	50.000
40	V3#	60	M-XYLENE	106	615	3	78030.	0.539	50.000
41	V3#	75	O+P XYLENES	106	628	3	74412.	0.514	50.000

6/2/88 14:46:37 SCAN 1 OF 2800
Acquisition started

00904

Acquire
06/02/88 14:46:00 + 0:04
Sample: CLP,STDU,,SSTD050,,,,ENA,CAL
Conds.:
Formula:
Submitted by: RMAL

Run 0:STDU547
Free sectors: 28240
Instrument: 4500
Analyst: KS

ACQUIRING
Scan: 5 of 2800
Weight: 0.000
Acct. No:

****
GC PARAMETERS
****

Loaded GC Desc:ST Current GC oven tmp: 30 DegC
Current GC Desc:ST GC elapsed time : 0: 3 min

Injector : 250 DegC
Int.oven : 260 DegC

Seq.#	Temp(C)	Rate(C/m)	Time(min)	Total time(min)		Open	Close
1	30 - 30	-	1.0	1.0	Sweep/Split	0.5	0.0
2	30 - 325	10.0	29.5	30.5	Divert	40.5	0.0
3	325 - 325	-	10.0	40.5			
4	325 - 325	-	0.0	40.5			

****
SCAN PARAMETERS
****

Low mass: 35
High mass: 500

Up: 0.70 L*
Down: 0.00 L

Top: 0.00
Bottom: 0.05

Cent S/P: 10 Actual: 10
Frag S/P: 10 Actual: 10

Samp Int (ms): 0.150
Samp Int (ms): 0.150

Peak Width: 1000.
Inten/ion: 2

Min Peak Width: 3
ADC Threshold: 1

Min Frag Width %: 80
Baseline: 0

Min Area: 30

***** Mode: Centroid positive ion + R1 (Temp)

Interface number	0	
Sub-interface number	0	
# of acqu buffers	16	
Instrument type	Q	
Full scale mass	1024	u
Zero scale mass	1	u
Intensity/ion	2	
Peak Width	1000.	mmu
Offset at low mass	0	mmu
Offset at high mass	0	mmu
Voltage settling time(MS)	4	

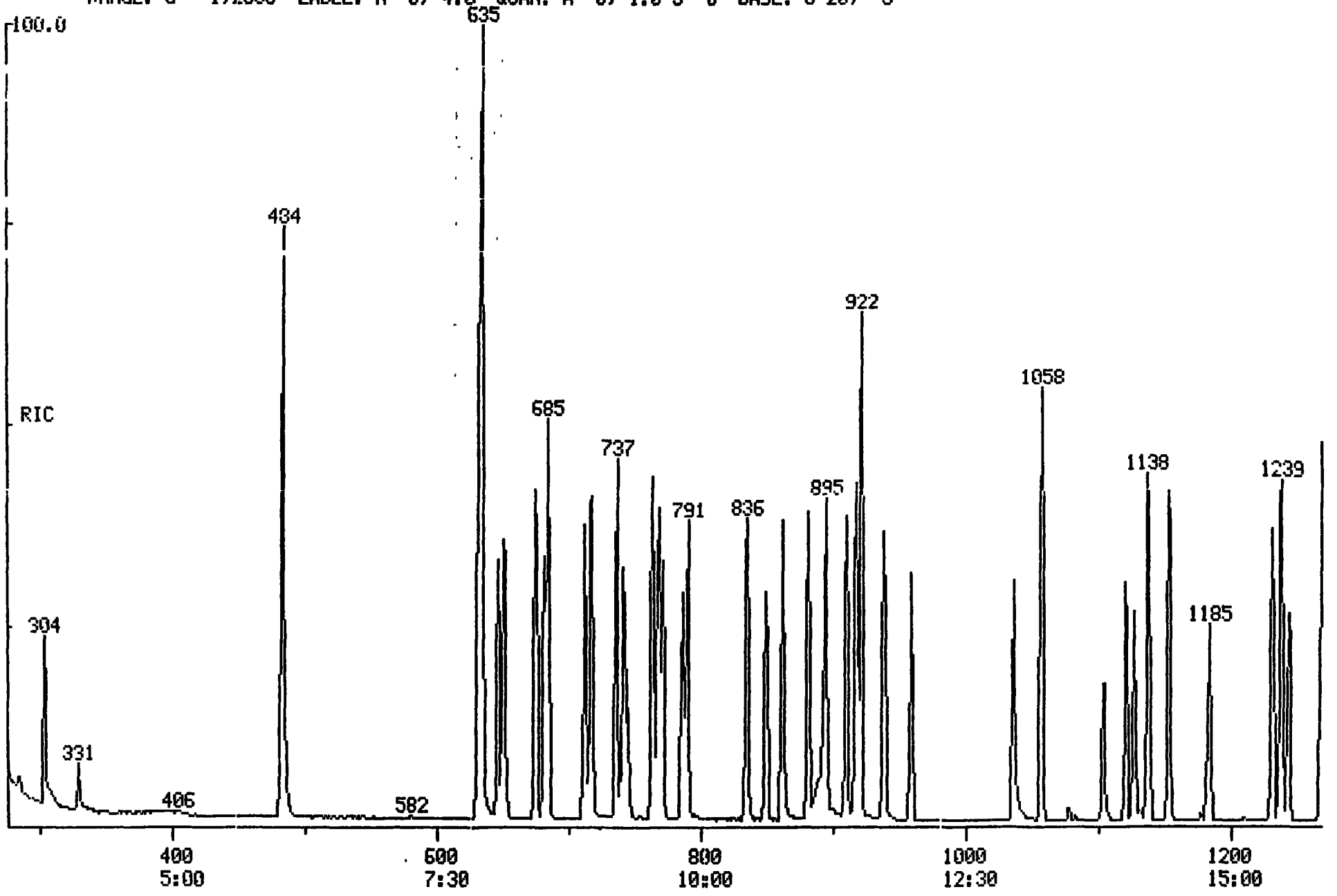
6/2/88 15:21:41
ACQUISITION COMPLETED
SCANS 1 TO 2800 Centroid

Mode	Scans	Secs	Out of	%	Peaks per scan	per sec
Centroid	2800	185.1	2100.0	8.8	38853.	14.	19.

00905

RIC
06/02/88 14:46:00
SAMPLE: CLP,STDU,,SSTD050,,,,BNA,CAL
CONDS.:
RANGE: G 1,2800 LABEL: N 0, 4.0 QUAN: A 0, 1.0 J 0 BASE: U 20, 3

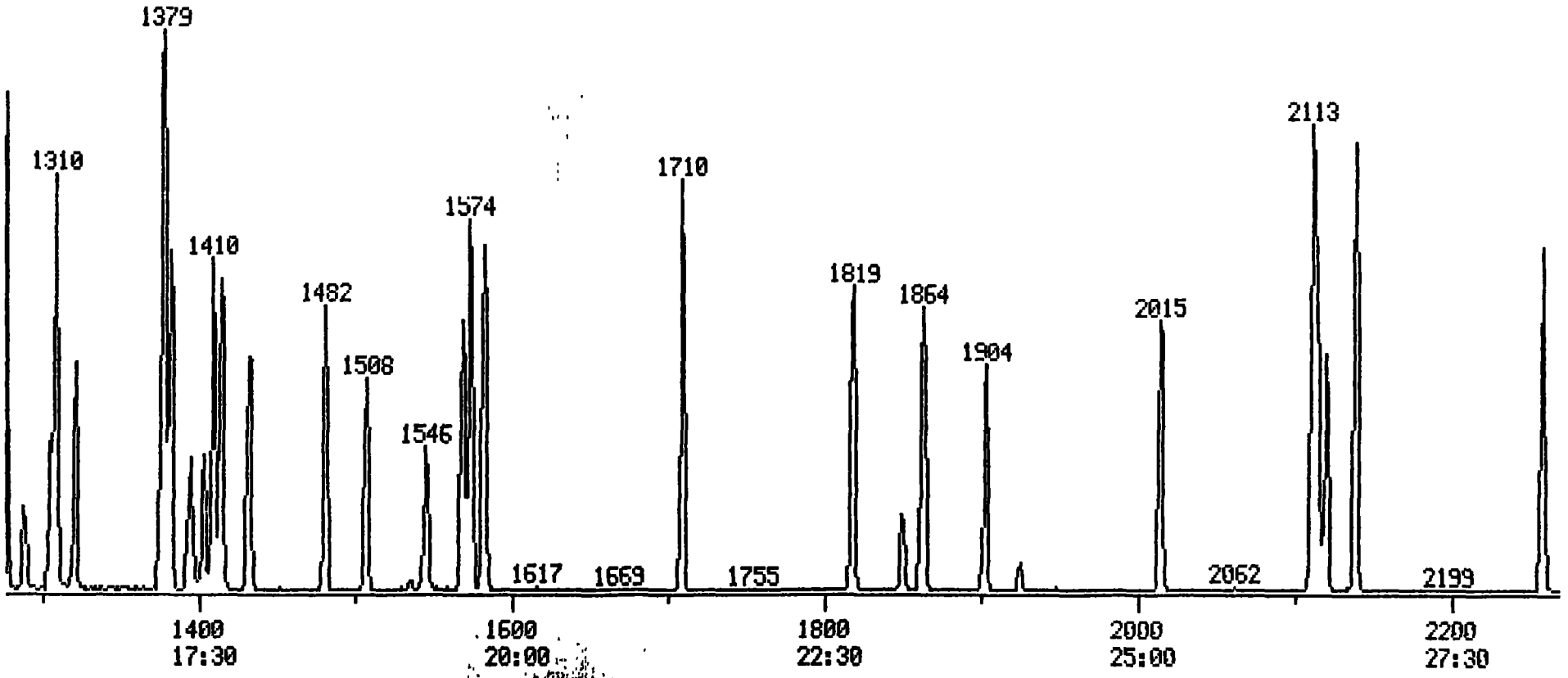
DATA: STDU547 #4 SCANS 270 TO 1270
CALI: 060288CU #5 OUT OF 270 TO 2800



00906

RIC DATA: STDU547 #4 SCANS 1270 TO 2270
06/02/88 14:46:00 CALI: 060288CU #5 OUT OF 270 TO 2800
SAMPLE: CLP,STDU,,SSTD050,,,,BNA,CAL
CONDS.:
RANGE: G 1,2800 LABEL: N 0, 4.0 QUAN: A 0, 1.0 J 0 BASE: U 20, 3

100.0

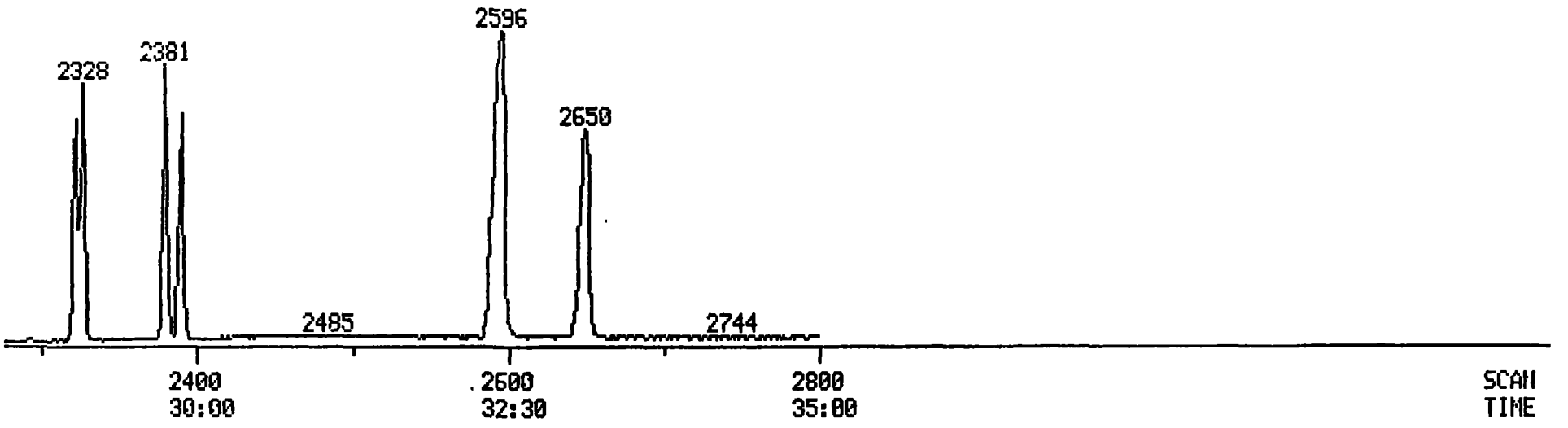


00907

PIC
06/02/88 14:46:00
SAMPLE: CLP,STDU,,SSTD050,,,,BNA,CAL
CONDS.:
RANGE: G 1,2800 LABEL: N 0, 4.0 QUAN: A 0, 1.0 J 0 BASE: U 20, 3

DATA: STDU547 #4 SCANS 2270 TO 2800
CALI: 060288CU #5 OUT OF 270 TO 2800

100.0 121600.



PROCEDURE: TCA DIAGNOSTIC REPORT 6/02/88 15:2-:05
DATA FILE: STDU547
REFERENCE: 11TABLE
NAME LIST: LLNL INITIALIZATION OPTION: 2 PROCESSING OPTION: 3
REPORT: ISO1

00908

---- STANDARDS -----				--- PLUS UNKNOWNS ---				- LIST NAMES -
PROC	USED	POSS	RMS	PROC	USED	POSS	RMS	STANDARD/UN-NOWN
1	1	1	0	7	7	1	75	ISO1/TCO1
3	3	1	16	18	18	1	51	ISO2/TCO2
3	3	1	16	12	12	2	122	ISO3/TCO3
3	3	1	7	18	18	2	61	ISO4/TCO4
3	3	1	7	10	10	1	77	ISO5/TCO5
3	3	1	24	8	8	2	58	ISO6/TCO6
3	3	1	27	14	14	8	97	ISO7/TCO7
1	1	1	0	4	4	1	60	ISO8/TCO8

77 COMPOUNDS PROCESSED, 77 FOUND

(COMPOUND)			(---------- SEARCH ----------)						(SAT)	(------ CHRO ------)			
NO	LIB	ENTRY	REF	PRED	SEL	DELTA	PEAKS	FIT	PEAKS	M/Z	TOP	DELTA	PEAKS
1	S1	1	-694	682	682	.	1	970	.	152	682	.	1
2	S1	2	-497	484	484	.	1	994	.	112	484	.	1
3	S1	3	-646	633	633	.	1	942	.	99	633	.	1
4	S1	105	-648	635	635	.	1	939	.	94	635	.	1
5	S1	110	-660	647	647	.	1	978	.	93	647	.	1
6	S1	115	-665	652	651	-1	1	996	.	128	651	.	1
7	S1	125	-689	676	675	-1	1	965	.	146	675	.	1
8	S2	1	-931	918	918	.	1	994	.	136	918	.	1
9	S3	1	-1285	1271	1271	.	1	992	.	164	1271	.	1
10	S1	130	-698	685	685	.	1	985	.	146	685	.	1
11	S1	145	-726	713	713	.	1	995	.	108	713	.	1
12	S1	150	-731	718	718	.	1	989	.	146	717	-1	1
13	S1	160	-750	737	737	.	1	985	.	108	737	.	1
14	S1	165	-755	742	742	.	1	963	.	45	742	.	1
15	S1	185	-777	764	764	.	1	955	.	108	764	.	1
16	S1	190	-782	769	769	.	1	998	.	70	769	.	1
17	S1	200	-785	772	772	.	1	996	.	117	772	.	1
18	S2	2	-801	788	787	-1	1	1000	.	82	787	.	1
19	S2	10	-805	792	791	-1	1	996	.	77	791	.	1
20	S2	20	-850	837	836	-1	1	981	.	82	836	.	1
21	S2	25	-864	851	850	-1	1	987	.	139	850	.	1
22	S2	30	-876	863	863	.	1	996	.	107	863	.	1
23	S2	35	-895	882	882	.	1	997	.	93	882	.	1
24	S2	40	-909	896	895	-1	1	996	.	162	895	.	1
25	S2	45	-910	896	893	-3	1	957	.	122	893	.	1
26	S2	55	-925	911	911	.	1	991	.	180	911	.	1
27	S2	60	-936	922	922	.	1	1000	.	128	922	.	1
28	S2	80	-953	939	939	.	1	977	.	127	939	.	1
29	S2	95	-973	959	960	1	1	991	.	225	960	.	1
30	S2	130	-1051	1037	1037	.	1	990	.	107	1037	.	1
31	S2	145	-1072	1058	1058	.	1	988	.	142	1058	.	1
32	S3	20	-1119	1105	1104	-1	1	992	.	237	1104	.	1
33	S3	25	-1136	1122	1121	-1	2	996	.	196	1121	.	1
34	S4	1	-1584	1569	1569	.	1	990	.	188	1569	.	1
35	S3	30	-1142	1128	1128	.	2	1000	.	196	1127	-1	1
36	S3	3	-1153	1139	1138	-1	1	996	.	172	1138	.	1
37	S3	40	-1169	1155	1154	-1	1	996	.	162	1154	.	1
38	S3	45	-1199	1185	1185	.	1	995	.	65	1185	.	1
39	S3	55	-1246	1231	1232	1	1	982	.	163	1232	.	1
40	S3	65	-1254	1239	1239	.	1	992	.	152	1238	-1	1
41	S3	70	-1259	1244	1244	.	1	996	.	165	1244	.	1
42	S3	75	-1284	1269	1269	.	1	993	.	138	1269	.	1
43	S3	80	-1292	1277	1277	.	1	994	.	153	1277	.	1
44	S3	85	-1304	1289	1289	.	1	984	.	184	1289	.	1
45	S3	95	-1321	1306	1306	.	1	990	.	109	1306	.	1
46	S3	90	-1325	1310	1310	.	1	964	.	168	1310	.	1
47	S3	105	-1336	1321	1322	1	1	994	.	165	1322	.	1
48	S3	130	-1392	1377	1378	1	1	960	.	149	1378	.	1
49	S3	135	-1395	1380	1379	-1	1	992	.	166	1379	.	1
50	S3	140	-1398	1383	1383	.	1	990	.	204	1383	.	1
51	S3	150	-1411	1396	1395	-1	1	983	.	138	1395	.	1
52	S4	10	-1420	1405	1404	-1	1	969	.	198	1404	.	1
53	S4	15	-1425	1410	1410	.	1	981	.	169	1410	.	1
54	S3	2	-1448	1433	1433	.	1	968	.	330	1433	.	1
55	S4	30	-1496	1481	1482	1	1	990	.	248	1482	.	1
56	S4	40	-1524	1509	1508	-1	1	980	.	284	1508	.	1
57	S5	1	-2132	2116	2116	.	1	979	.	240	2116	.	1
58	S4	50	-1561	1546	1546	.	1	983	.	266	1546	.	1
59	S4	65	-1590	1575	1574	-1	2	987	.	178	1574	.	1
60	S4	70	-1599	1584	1583	-1	1	995	.	178	1583	.	1
61	S4	85	-1725	1709	1710	1	1	992	.	149	1710	.	1
62	S4	110	-1835	1819	1818		1	992		[illegible]	1818		1

63	55	[illegible]	[illegible]	[illegible]	[illegible]	.	[illegible]	[illegible]	.	[illegible]	[illegible]	.	.
64	55	15	-1881	1865	1864	-1	1	995	.	202	1864	.	[illegible]
65	55	2	-1919	1903	1904	1	1	986	.	244	1904	.	[illegible]
66	55	40	-2031	2015	2015	.	1	996	.	149	2015	.	[illegible]
67	55	50	-2129	2113	2112	-1	2	997	.	228	2112	.	[illegible]
68	55	55	-2130	2114	2113	-1	1	983	.	252	2113	.	1
69	55	60	-2139	2123	2121	-2	1	994	.	228	2121	.	1
70	55	65	-2155	2139	2140	1	1	991	.	149	2140	.	1
71	56	10	-2274	2257	2259	2	1	997	.	149	2259	.	1
72	56	15	-2340	2323	2323	.	2	984	.	252	2323	.	1
73	56	25	-2345	2328	2328	.	2	992	.	252	2328	.	1
74	56	35	-2398	2381	2381	.	1	997	.	252	2381	.	1
75	56	55	-2617	2593	2593	.	1	974	.	276	2593	.	1
76	56	60	-2620	2596	2597	1	1	965	.	278	2597	.	1
77	56	65	-2676	2650	2650	.	1	990	.	276	2650	.	1

Quantitation Report File: STDU547

Data: STDU547.TI
06/02/88 14:46:00
Sample: CLP,STDU,,SSTD050,,,,ENA,CAL
Conds.:
Formula: Instrument: 4500 Weight: 0.000
Submitted by: RMAL Analyst: KS Acct. No.:

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

No	Name				
1	CI30	1,4-DICHLOROBENZENE-D4	152	IS1# 01	3855-82-1
2	CS50	2-FLUOROPHENOL	112	SS1# 02	367-12-4
3	CS45	PHENOL-D5	99	SS1# 03	4165-62-2
4	C315	PHENOL	94	S1#105CC	108-95-2
5	C325	BIS(2-CHLOROETHYL)ETHER	93	S1#110	111-44-4
6	C330	2-CHLOROPHENOL	128	S2#115	95-57-8
7	C335	1,3-DICHLOROBENZENE	146	S1#125	541-73-1
8	CI40	NAPHTHALENE-D8	136	IS2# 01	1146-65-2
9	CI50	ACENAPHTHENE-D10	164	IS3# 01	15067-26-2
10	C340	1,4-DICHLOROBENZENE	146	S1#130CC	106-46-7
11	C345	BENZYL ALCOHOL	108	S1#145	100-51-6
12	C350	1,2-DICHLOROBENZENE	146	S1#150	95-50-1
13	C355	2-METHYLPHENOL	108	S1#160	95-48-7
14	C360	BIS(2-CHLOROISOPROPYL)E	45	S1#165	108-60-1
15	C365	4-METHYLPHENOL	108	S1#185	106-44-5
16	C370	N-NITROSO-DI-N-PROPYLAM	70	S1#190SP	621-64-7
17	C375	HEXACHLOROETHANE	117	S1#200	67-72-1
18	CS20	NITROBENZENE-D5	82	SS2# 02	4165-60-0
19	C410	NITROBENZENE	77	S2# 10	98-95-3
20	C415	ISOPHORONE	82	S2# 20	75-59-1
21	C420	2-NITROPHENOL	139	S2# 25CC	88-75-5
22	C425	2,4-DIMETHYLPHENOL	107	S2# 30	105-67-9
23	C435	BIS(2-CHLOROETHOXY)METH	93	S2# 35	111-91-1
24	C440	2,4-DICHLOROPHENOL	162	S2# 40	120-83-2
25	C430	BENZOIC ACID	122	S2# 45	65-85-0
26	C445	1,2,4-TRICHLOROBENZENE	180	S2# 55	120-82-1
27	C450	NAPHTHALENE	128	S2# 60	91-20-3
28	C455	4-CHLOROANALINE	127	S2# 80	106-47-8
29	C460	HEXACHLOROBUTADIENE	225	S2# 95CC	87-68-3
30	C465	4-CHLORO-3-METHYLPHENO	107	S2#130CC	59-50-7
31	C470	2-METHYLNAPHTHALENE	142	S2#145	91-57-6
32	C510	HEXACHLOROCYCLOPENTADI	237	S3# 20	77-47-4
33	C515	2,4,6-TRICHLOROPHENOL	196	S3# 25CC	88-06-2
34	CI60	PHENANTHRENE-D10	188	IS4# 01	1517-22-2
35	C520	2,4,5-TRICHLOROPHENOL	196	S3# 30	95-95-4
36	CS25	2-FLUOROBIPHENYL	172	SS3# 03	321-60-8
37	C525	2-CHLORONAPHTHALENE	162	S3# 40	91-58-7
38	C530	2-NITROANALINE	65	S3# 45	88-74-4
39	C535	DIMETHYLPHTHALATE	163	S3# 55	131-11-3
40	C540	ACENAPHTHYLENE	152	S3# 65	208-96-8
41	C575	2,6-DINITROTOLUENE	165	S3# 70	606-20-2
42	C545	3-NITROANILINE	138	S3# 75	99-09-2
43	C550	ACENAPHTHENE	153	S3# 80CC	83-32-9
44	C555	2,4-DINITROPHENOL	184	S3# 85SP	51-28-5
45	C560	4-NITROPHENOL	109	S3# 95SP	100-02-7
46	C565	DIBENZOFURAN	168	S3# 90	132-64-9
47	C570	2,4-DINITROTOLUENE	165	S3#105	121-14-2

No	Name				
48	C580	DIETHYLPHTHALATE	149	S3#130	84-66-2
49	C590	FLUORENE	166	S3#135	86-73-7
50	C585	4-CHLOROPHENYL-PHENYLE	204	S3#140	7005-72-3

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount		%Tot
1	152	682	8:31	1	1.000	A BB	16719.	40.000	UG/ML	1.02
2	112	484	6:03	1	0.710	A BV	58787.	105.369	UG/ML	2.69
3	99	633	7:55	1	0.928	A BB	72726.	103.135	UG/ML	2.63
4	94	635	7:56	1	0.931	A BV	42300.	51.439	UG/ML	1.31
5	93	647	8:05	1	0.949	A VB	33088.	55.411	UG/ML	1.41
6	128	651	8:08	1	0.955	A BB	31064.	52.203	UG/ML	1.33
7	146	675	8:26	1	0.990	A BV	32792.	52.311	UG/ML	1.34
8	136	918	11:28	8	1.000	A BB	58882.	40.000	UG/ML	1.02
9	164	1271	15:53	9	1.000	A BB	25530.	40.000	UG/ML	1.02
10	146	685	8:34	1	1.004	A VB	34190.	50.124	UG/ML	1.28
11	108	713	8:55	1	1.045	A BB	17098.	56.747	UG/ML	1.45
12	146	717	8:58	1	1.051	A BB	31769.	51.252	UG/ML	1.31
13	108	737	9:13	1	1.081	A BB	24587.	51.833	UG/ML	1.32
14	45	742	9:16	1	1.088	A BB	54935.	56.154	UG/ML	1.43
15	108	764	9:33	1	1.120	A BB	25979.	53.530	UG/ML	1.37
16	70	769	9:37	1	1.128	A BB	21898.	53.864	UG/ML	1.38
17	117	772	9:39	1	1.132	A BB	12494.	50.599	UG/ML	1.29
18	82	787	9:50	8	0.857	A BB	28906.	52.281	UG/ML	1.33
19	77	791	9:53	8	0.862	A BV	29971.	52.093	UG/ML	1.33
20	82	836	10:27	8	0.911	A BB	55214.	52.870	UG/ML	1.35
21	139	850	10:37	8	0.926	A BB	16178.	51.085	UG/ML	1.30
22	107	863	10:47	8	0.940	A BB	22136.	50.489	UG/ML	1.29
23	93	882	11:01	8	0.961	A BB	33474.	51.722	UG/ML	1.32
24	162	895	11:11	8	0.975	A BB	21297.	47.297	UG/ML	1.21
25	122	893	11:10	8	0.973	A BB	11873.	40.801	UG/ML	1.04
26	180	911	11:23	8	0.992	A BB	22650.	46.995	UG/ML	1.20
27	128	922	11:31	8	1.004	A BB	80443.	48.811	UG/ML	1.25
28	127	939	11:44	8	1.023	A BB	31610.	49.378	UG/ML	1.26
29	225	960	12:00	8	1.046	A BB	9634.	37.822	UG/ML	0.97
30	107	1037	12:58	8	1.130	A BB	19801.	51.719	UG/ML	1.32
31	142	1058	13:13	8	1.153	A BB	46654.	47.380	UG/ML	1.21
32	237	1104	13:48	9	0.869	A BB	8051.	42.234	UG/ML	1.08
33	196	1121	14:01	9	0.882	A BV	12344.	46.140	UG/ML	1.18
34	188	1569	19:37	34	1.000	A BB	35838.	40.000	UG/ML	1.02
35	196	1127	14:05	9	0.887	A VB	13526.	46.759	UG/ML	1.19
36	172	1138	14:13	9	0.895	A BB	45495.	48.124	UG/ML	1.23
37	162	1154	14:25	9	0.908	A BB	42427.	50.431	UG/ML	1.29
38	65	1185	14:49	9	0.932	A BB	14874.	51.600	UG/ML	1.32
39	163	1232	15:24	9	0.969	A BB	46163.	47.743	UG/ML	1.22
40	152	1238	15:28	9	0.974	A BB	64484.	50.694	UG/ML	1.29
41	165	1244	15:33	9	0.979	A BB	11662.	50.014	UG/ML	1.28
42	138	1269	15:52	9	0.998	A BB	13232.	49.651	UG/ML	1.27
43	153	1277	15:58	9	1.005	A BB	38868.	48.010	UG/ML	1.23
44	184	1289	16:07	9	1.014	A BB	4037.	35.766	UG/ML	0.91
45	109	1306	16:19	9	1.028	A BB	4912.	42.855	UG/ML	1.09
46	168	1310	16:22	9	1.031	A BB	54730.	47.742	UG/ML	1.22
47	165	1322	16:31	9	1.040	A BB	13550.	47.433	UG/ML	1.21
48	149	1378	17:13	9	1.084	A BB	45365.	48.270	UG/ML	1.23
49	166	1379	17:14	9	1.085	A BB	42645.	46.781	UG/ML	1.19
50	204	1383	17:17	9	1.088	A BB	18173.	43.725	UG/ML	1.12

No	Ret(L)	Ratio	RRT(L)	Ratio	Amnt	Amnt(L)	R.Fac	R.Fac(L)	Ratio
1	8:41	0.98	1.000	1.00	40.00	40.00	1.000	1.000	1.00
2	6:13	0.97	0.715	0.99	105.37	100.00	1.407	1.336	1.05
3	8:04	0.98	0.929	1.00	103.14	100.00	1.741	1.688	1.03
4	8:06	0.98	0.932	1.00	51.44	50.00	2.025	1.968	1.03
5	8:15	0.98	0.950	1.00	55.41	50.00	1.584	1.429	1.11
6	8:19	0.98	0.957	1.00	52.20	50.00	1.487	1.424	1.04
7	8:37	0.98	0.991	1.00	52.31	50.00	1.570	1.501	1.05
8	11:39	0.98	1.000	1.00	40.00	40.00	1.000	1.000	1.00
9	16:04	0.99	1.000	1.00	40.00	40.00	1.000	1.000	1.00
10	8:43	0.98	1.004	1.00	50.12	50.00	1.637	1.633	1.00
11	9:04	0.98	1.045	1.00	56.75	50.00	0.819	0.721	1.13
12	9:08	0.98	1.052	1.00	51.25	50.00	1.521	1.484	1.03
13	9:22	0.98	1.079	1.00	51.83	50.00	1.177	1.135	1.04
14	9:26	0.98	1.086	1.00	56.15	50.00	2.630	2.342	1.12
15	9:43	0.98	1.118	1.00	53.53	50.00	1.244	1.162	1.07
16	9:46	0.98	1.125	1.00	53.86	50.00	1.048	0.973	1.08
17	9:49	0.98	1.129	1.00	50.60	50.00	0.598	0.591	1.01
18	10:01	0.98	0.859	1.00	52.28	50.00	0.393	0.376	1.05
19	10:04	0.98	0.864	1.00	52.09	50.00	0.407	0.391	1.04
20	10:37	0.98	0.912	1.00	52.87	50.00	0.750	0.709	1.06
21	10:48	0.98	0.927	1.00	51.09	50.00	0.220	0.215	1.02
22	10:57	0.99	0.940	1.00	50.49	50.00	0.301	0.298	1.01
23	11:11	0.99	0.960	1.00	51.72	50.00	0.455	0.440	1.03
24	11:22	0.98	0.975	1.00	47.30	50.00	0.289	0.306	0.95
25	11:22	0.98	0.976	1.00	40.80	50.00	0.161	0.198	0.82
26	11:34	0.98	0.992	1.00	46.99	50.00	0.308	0.327	0.94
27	11:42	0.99	1.004	1.00	48.81	50.00	1.093	1.120	0.98
28	11:55	0.99	1.023	1.00	49.38	50.00	0.429	0.435	0.99
29	12:10	0.99	1.044	1.00	37.82	50.00	0.131	0.173	0.76
30	13:08	0.99	1.128	1.00	51.72	50.00	0.269	0.260	1.03
31	13:24	0.99	1.150	1.00	47.38	50.00	0.634	0.669	0.95
32	13:59	0.99	0.870	1.00	42.23	50.00	0.252	0.299	0.84
33	14:12	0.99	0.883	1.00	46.14	50.00	0.387	0.419	0.92
34	19:49	0.99	1.000	1.00	40.00	40.00	1.000	1.000	1.00
35	14:16	0.99	0.888	1.00	46.76	50.00	0.424	0.453	0.94
36	14:25	0.99	0.897	1.00	48.12	50.00	1.426	1.481	0.96
37	14:37	0.99	0.909	1.00	50.43	50.00	1.329	1.318	1.01
38	14:59	0.99	0.932	1.00	51.60	50.00	0.466	0.452	1.03
39	15:34	0.99	0.969	1.00	47.74	50.00	1.447	1.515	0.95
40	15:40	0.99	0.975	1.00	50.69	50.00	2.021	1.993	1.01
41	15:44	0.99	0.979	1.00	50.01	50.00	0.365	0.365	1.00
42	16:03	0.99	0.998	1.00	49.65	50.00	0.415	0.418	0.99
43	16:09	0.99	1.005	1.00	48.01	50.00	1.218	1.268	0.96
44	16:18	0.99	1.014	1.00	35.77	50.00	0.127	0.177	0.72
45	16:31	0.99	1.027	1.00	42.86	50.00	0.154	0.180	0.86
46	16:34	0.99	1.030	1.00	47.74	50.00	1.715	1.796	0.95
47	16:42	0.99	1.039	1.00	47.43	50.00	0.425	0.448	0.95
48	17:24	0.99	1.082	1.00	48.27	50.00	1.422	1.472	0.97
49	17:26	0.99	1.085	1.00	46.78	50.00	1.336	1.428	0.94
50	17:28	0.99	1.087	1.00	43.72	50.00	0.569	0.651	0.87

Quantitation Report File: STDU547

00913

Data: STDU547.TI
06/02/88 14:46:00
Sample: CLP,STDU,,SSTD050,,,,BNA,CAL
Conds.:
Formula: Instrument: 4500 Weight: 0.000
Submitted by: RMAL Analyst: KS Acct. No.:

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

No	Name			
51	C595	4-NITROANALINE	138 S3#150	100-01-6
52	C610	4,6-DINITRO-2-METHYLPH	198 S4# 10	534-52-1
53	C615	N-NITROSODIPHENYLAMINE	169 S4# 15CC	87-30-6
54	C555	2,4,6-TRIBROMOPHENOL	330S53# 02	118-79-6
55	C625	4-BROMOPHENYL-PHENYLET	248 S4# 30	101-55-3
56	C630	HEXACHLOROBENZENE	284 S4# 40	118-74-1
57	CI70	CHRYSENE-D12	240IS5# 01	1719-03-5
58	C635	PENTACHLOROPHENOL	266 S4# 50	87-86-5
59	C640	PHENANTHRENE	178 S4# 65	85-01-8
60	C645	ANTHRACENE	178 S4# 70	120-12-7
61	C650	DI-N-BUTYLPHTHALATE	149 S4# 85	84-74-2
62	C655	FLUORANTHENE	202 S4#110CC	206-44-0
63	CI75	PERYLENE-D12	164IS6# 01	1520-96-3
64	C715	PYRENE	202 S5# 15	129-00-0
65	CS30	TERPHENYL-D14	244SS5# 02	1718-51-0
66	C720	BUTYLBENZYLPHTHALATE	149 S5# 40	85-68-7
67	C730	BENZO(A)ANTHRACENE	228 S5# 50	56-55-3
68	C725	3,3'-DICHLOROBENZIDINE	252 S5# 55	91-94-1
69	C740	CHRYSENE	228 S5# 60	218-01-9
70	C735	BIS(2-ETHYLHEXYL)PHTHA	149 S5# 65	117-81-7
71	C760	DI-N-OCTYL PHTHALATE	149 S6# 10CC	117-84-0
72	C765	BENZO(B)FLUORANTHENE	252 S6# 15	205-99-2
73	C770	BENZO(K)FLUORANTHENE	252 S6# 25	207-08-9
74	C775	BENZO(A)PYRENE	252 S6# 35	50-32-8
75	C780	INDENO(1,2,3-CD)PYRENE	276 S6# 55	193-39-5
76	C785	DIBENZ(A,H)ANTHRACENE	278 S6# 60	53-70-3
77	C790	BENZO(G,H,I)PERYLENE	276 S6# 65	191-24-2

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount	%Tot
51	138	1395	17:26	9	1.098	A BB	11386.	50.032 UG/ML	1.28
52	198	1404	17:33	34	0.895	A BB	6069.	42.458 UG/ML	1.08
53	169	1410	17:37	34	0.899	A BB	29065.	54.043 UG/ML	1.38
54	330	1433	17:55	9	1.127	A BB	6404.	75.602 UG/ML	1.93
55	248	1482	18:31	34	0.945	A BB	8076.	46.664 UG/ML	1.19
56	284	1508	18:51	34	0.961	A BB	8040.	45.132 UG/ML	1.15
57	240	2116	26:27	57	1.000	A BB	20865.	40.000 UG/ML	1.02
58	266	1546	19:19	34	0.985	A BB	5825.	46.950 UG/ML	1.20
59	178	1574	19:40	34	1.003	A BV	53699.	52.034 UG/ML	1.33
60	178	1583	19:47	34	1.009	A VB	53197.	50.636 UG/ML	1.29
61	149	1710	21:22	34	1.090	A BB	74453.	51.688 UG/ML	1.32
62	202	1819	22:44	34	1.159	A BB	45402.	45.683 UG/ML	1.17
63	264	2391	29:53	63	1.000	A BB	21258.	40.000 UG/ML	1.02
64	202	1864	23:18	57	0.881	A BB	45575.	53.013 UG/ML	1.35
65	244	1904	23:48	57	0.900	A BB	27105.	46.176 UG/ML	1.18
66	149	2015	25:11	57	0.952	A BB	25345.	54.207 UG/ML	1.38

No	m/z	Scan	Time	Ref	RRT	Meth	Area(hght)	Amount		%Tot
67	228	2112	26:24	57	0.998	A BV	32539.	47.778	UG/ML	1.22
68	252	2113	26:25	57	0.999	A BB	20765.	86.906	UG/ML	2.22
69	228	2121	26:31	57	1.002	A VB	28442.	50.711	UG/ML	1.29
70	149	2140	26:45	57	1.011	A BB	35227.	52.693	UG/ML	1.35
71	149	2259	28:14	63	0.945	A BB	55292.	41.815	UG/ML	1.07
72	252	2323	29:02	63	0.972	A BV	32582.	51.659	UG/ML	1.32
73	252	2328	29:06	63	0.974	A VB	29745.	44.092	UG/ML	1.13
74	252	2381	29:46	63	0.996	A BB	33433.	51.895	UG/ML	1.32
75	276	2593	32:25	63	1.084	A BB	48503.	55.067	UG/ML	1.41
76	278	2597	32:28	63	1.086	A BB	39536.	53.333	UG/ML	1.36
77	276	2650	33:07	63	1.108	A BB	43757.	58.331	UG/ML	1.49

No	Ret(L)	Ratio	RRT(L)	Ratio	Amnt	Amnt(L)	R.Fac	R.Fac(L)	Ratio
51	17:38	0.99	1.097	1.00	50.03	50.00	0.357	0.357	1.00
52	17:45	0.99	0.896	1.00	42.46	50.00	0.135	0.160	0.85
53	17:49	0.99	0.899	1.00	54.04	50.00	0.649	0.600	1.08
54	18:06	0.99	1.126	1.00	75.60	100.00	0.100	0.133	0.76
55	18:42	0.99	0.944	1.00	46.66	50.00	0.180	0.193	0.93
56	19:03	0.99	0.962	1.00	45.13	50.00	0.179	0.199	0.90
57	26:40	0.99	1.000	1.00	40.00	40.00	1.000	1.000	1.00
58	19:31	0.99	0.985	1.00	46.95	50.00	0.130	0.138	0.94
59	19:52	0.99	1.003	1.00	52.03	50.00	1.199	1.152	1.04
60	19:59	0.99	1.009	1.00	50.64	50.00	1.187	1.173	1.01
61	21:34	0.99	1.088	1.00	51.69	50.00	1.662	1.608	1.03
62	22:56	0.99	1.158	1.00	45.68	50.00	1.013	1.109	0.91
63	30:06	0.99	1.000	1.00	40.00	40.00	1.000	1.000	1.00
64	23:31	0.99	0.882	1.00	53.01	50.00	1.747	1.648	1.06
65	23:59	0.99	0.900	1.00	46.18	50.00	1.039	1.125	0.92
66	25:23	0.99	0.952	1.00	54.21	50.00	0.972	0.896	1.08
67	26:37	0.99	0.998	1.00	47.78	50.00	1.248	1.306	0.96
68	26:37	0.99	0.999	1.00	86.91	100.00	0.398	0.458	0.87
69	26:44	0.99	1.003	1.00	50.71	50.00	1.091	1.075	1.01
70	26:56	0.99	1.010	1.00	52.69	50.00	1.351	1.282	1.05
71	28:25	0.99	0.944	1.00	41.81	50.00	2.081	2.488	0.84
72	29:15	0.99	0.972	1.00	51.66	50.00	1.226	1.187	1.03
73	29:19	0.99	0.974	1.00	44.09	50.00	1.119	1.269	0.88
74	29:58	0.99	0.996	1.00	51.89	50.00	1.258	1.212	1.04
75	32:43	0.99	1.087	1.00	55.07	50.00	1.825	1.657	1.10
76	32:45	0.99	1.088	1.00	53.33	50.00	1.488	1.395	1.07
77	33:27	0.99	1.111	1.00	58.33	50.00	1.647	1.412	1.17

00914

FINISHED AT: 6/02/88 15:32:34

00915

RMAL QUANTITATION SUMMARY FILE: STDU547
COMPOUNDS WITH AMOUNTS LESS THAN 1.00 REPORTED AS NOT FOUND

UNITS: UG/ML

NO	LIBRARY ENTRY	NAME	MASS	SCAN	REF	AREA	RRF	AMOUNT
1	S1# 1	CI30 1,4-DICHLOROBENZENE	152	682	1	16710.	1.000	40.000
2	S2# 1	CI40 NAPHTHALENE-D8	136	918	2	58882.	1.000	40.000
3	S3# 1	CI50 ACENAPHTHENE-D10	164	1271	3	25530.	1.000	40.000
4	S4# 1	CI60 PHENANTHRENE-D10	188	1569	4	35838.	1.000	40.000
5	S5# 1	CI70 CHRYSENE-D12	240	2116	5	20865.	1.000	40.000
6	S6# 1	CI75 PERYLENE-D12	264	2391	6	21258.	1.000	40.000
7	S2# 2	CS20 NITROBENZENE-D5	82	787	2	28906.	0.393	52.281
8	S3# 3	CS25 2-FLUOROBIPHENYL	172	1138	3	45495.	1.426	48.124
9	S5# 2	CS30 TERPHENYL-D14	244	1904	5	27105.	1.039	46.176
10	S1# 3	CS45 PHENOL-D5	99	633	1	72726.	1.741	103.135
11	S1# 2	CS50 2-FLUOROPHENOL	112	484	1	58787.	1.407	105.369
12	S3# 2	CS55 2,4,6-TRIBROMOPHENO	330	1433	3	6404.	0.100	75.602
13	S1#105	C315 PHENOL	94	635	1	42300.	2.025	51.439
14	S1#110	C325 BIS(2-CHLOROETHYL)E	93	647	1	33088.	1.584	55.411
15	S1#115	C330 2-CHLOROPHENOL	128	651	1	31064.	1.487	52.203
16	S1#125	C335 1,3-DICHLOROBENZENE	146	675	1	32792.	1.570	52.311
17	S1#130	C340 1,4-DICHLOROBENZENE	146	685	1	34190.	1.637	50.124
18	S1#145	C345 BENZYL ALCOHOL	108	713	1	17098.	0.819	56.747
19	S1#150	C350 1,2-DICHLOROBENZENE	146	717	1	31769.	1.521	51.252
20	S1#160	C355 2-METHYLPHENOL	108	737	1	24587.	1.177	51.833
21	S1#165	C360 BIS(2-CHLOROISOPROP	45	742	1	54935.	2.630	56.154
22	S1#185	C365 4-METHYLPHENOL	108	764	1	25979.	1.244	53.530
23	S1#190	C370 N-NITROSO-DI-N-PROP	70	769	1	21898.	1.048	53.864
24	S1#200	C375 HEXACHLOROETHANE	117	772	1	12494.	0.598	50.599
25	S2# 10	C410 NITROBENZENE	77	791	2	29971.	0.407	52.093
26	S2# 20	C415 ISOPHORONE	82	836	2	55214.	0.750	52.870
27	S2# 25	C420 2-NITROPHENOL	139	850	2	16178.	0.220	51.085
28	S2# 30	C425 2,4-DIMETHYLPHENOL	107	863	2	22136.	0.301	50.489
29	S2# 35	C435 BIS(2-CHLOROETHOXY)	93	882	2	33474.	0.455	51.722
30	S2# 40	C440 2,4-DICHLOROPHENOL	162	895	2	21297.	0.289	47.297
31	S2# 45	C430 BENZOIC ACID	122	893	2	11873.	0.161	40.801
32	S2# 55	C445 1,2,4-TRICHLOROBENZ	180	911	2	22650.	0.308	46.995
33	S2# 60	C450 NAPHTHALENE	128	922	2	80443.	1.093	48.811
34	S2# 80	C455 4-CHLOROANALINE	127	939	2	31610.	0.429	49.376
35	S2# 95	C460 HEXACHLOROBUTADIENE	225	960	2	9634.	0.131	37.822
36	S2#130	C465 4-CHLORO-3-METHYLPH	107	1037	2	19801.	0.269	51.719
37	S2#145	C470 2-METHYLNAPHTHALENE	142	1058	2	46654.	0.634	47.381
38	S3# 20	C510 HEXACHLOROCYCLOPENT	237	1104	3	8051.	0.252	42.234
39	S3# 25	C515 2,4,6-TRICHLOROPHEN	196	1121	3	12344.	0.387	46.140
40	S3# 30	C520 2,4,5-TRICHLOROPHEN	196	1127	3	13526.	0.424	46.759
41	S3# 40	C525 2-CHLORONAPHTHALENE	162	1154	3	42427.	1.329	50.431
42	S3# 45	C530 2-NITROANALINE	65	1185	3	14874.	0.466	51.600
43	S3# 55	C535 DIMETHYLPHTHALATE	163	1232	3	46163.	1.447	47.743
44	S3# 65	C540 ACENAPHTHYLENE	152	1238	3	64484.	2.021	50.694
45	S3# 70	C575 2,6-DINITROTOLUENE	165	1244	3	11662.	0.365	50.014
46	S3# 75	C545 3-NITROANILINE	138	1269	3	13232.	0.415	49.651
47	S3# 80	C550 ACENAPHTHENE	153	1277	3	38868.	1.218	48.010
48	S3# 85	C555 2,4-DINITROPHENOL	184	1289	3	4037.	0.127	35.766
49	S3# 90	C565 DIBENZOFURAN	168	1310	3	54730.	1.715	47.742
50	S3# 95	C560 4-NITROPHENOL	109	1306	3	4912.	0.154	42.855
51	S3#105	C570 2,4-DINITROTOLUENE	165	1322	3	13550.	0.425	47.433
52	S3#130	C580 DIETHYLPHTHALATE	149	1378	3	45365.	1.422	48.270
53	S3#135	C590 FLUORENE	166	1379	3	42645.	1.336	46.781
54	S3#140	C585 4-CHLOROPHENYL-PHEN	204	1383	3	18173.	0.569	43.725
55	S3#150	C595 4-NITROANALINE	138	1395	3	11386.	0.357	50.032
56	S4# 10	C610 4,6-DINITRO-2-METHY	198	1404	4	6069.	0.135	42.458
57	S4# 15	C615 N-NITROSODIPHENYLAM	169	1410	4	29065.	0.649	54.043
58	S4# 30	C625 4-BROMOPHENYL-PHENY	248	1482	4	8076.	0.180	46.664
59	S4# 40	C630 HEXACHLOROBENZENE	284	1508	4	8040.	0.179	45.132
60	S4# 50	C635 PENTACHLOROPHENOL	266	1546	4	5825.	0.130	46.950
61	S4# 65	C640 PHENANTHRENE	178	1574	4	53699.	1.199	52.034
62	S4# 70	C645 ANTHRACENE	178	1583	4	53197.	1.187	50.636
63	S4# 85	C650 DI-N-BUTYLPHTHALATE	149	1710	4	74453.	1.662	51.666
64	S4#110	C655 FLUORANTHENE	202	1819	4	45402.	1.013	45.683
65	S5# 15	C715 PYRENE	202	1864	5	45575.	1.747	53.013
66	S5# 40	C720 BUTYLBENZYLPHTHALAT	149	2015	5	25344.	0.972	54.207
67	S5# 50	C730 BENZO(A)ANTHRACENE	228	2112	5	32538.	1.248	47.778
68	S5# 55	C725 3,3'-DICHLOROBENZID	252	2113	5	20765.	0.798	86.906
69	S5# 60	C740 CHRYSENE	228	2121	5	28442.	1.091	50.711
70	S5# 65	C735 BIS(2-ETHYLHEXYL)PH	149	2140	5	25227.	1.351	52.693
71	S6# 10	C760 DI-N-OCTYL PHTHALAT	149	2258	6	[illegible]	[illegible]	41.815

72	S6#	1	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
73	S6#	25	C770	BENZO(K)FLUORANTHEN	252	2328	6	19745.	1.119	44.092
74	S6#	35	C775	BENZO(A)PYRENE	252	2381	6	33433.	1.158	51.895
75	S6#	55	C780	INDENO(1,2,3-CD)PYR	276	2593	6	48503.	1.825	55.067
76	S6#	60	C785	DIBENZ(A,H)ANTHRACE	278	2597	6	19536.	1.488	53.33[illegible]
77	S6#	65	C790	BENZO(G,H,I)PERYLEN	276	2650	6	43757.	1.647	58.331

00916

Quantitation Report File: STDU547

Data: STDU547.TI
06/02/88 14:46:00
Sample: CLP,STDU,,SSTD050,,,,BNA,CAL
Conds.:
Formula: Instrument: 4500 Weight: 0.000
Submitted by: RMAL Analyst: KS Acct. No.:

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

No	Name				
1	CI30	1,4-DICHLOROBENZENE-D4	152	IS1# 01	3855-82-1
2	CI40	NAPHTHALENE-D8	136	IS2# 01	1146-65-2
3	CI50	ACENAPHTHENE-D10	164	IS3# 01	15067-26-2
4	CI60	PHENANTHRENE-D10	188	IS4# 01	1517-22-2
5	CI70	CHRYSENE-D12	240	IS5# 01	1719-03-5
6	CI75	PERYLENE-D12	164	IS6# 01	1520-96-3
7	CS20	NITROBENZENE-D5	82	SS2# 02	4165-60-0
8	CS25	2-FLUOROBIPHENYL	172	SS3# 03	321-60-8
9	CS30	TERPHENYL-D14	244	SS5# 02	1718-51-0
10	CS45	PHENOL-D5	99	SS1# 03	4165-62-2
11	CS50	2-FLUOROPHENOL	112	SS1# 02	367-12-4
12	CS55	2,4,6-TRIBROMOPHENOL	330	SS3# 02	118-79-6
13	C315	PHENOL	94	S1#105CC	108-95-2
14	C325	BIS(2-CHLOROETHYL)ETHER	93	S1#110	111-44-4
15	C330	2-CHLOROPHENOL	128	S2#115	95-57-8
16	C335	1,3-DICHLOROBENZENE	146	S1#125	541-73-1
17	C340	1,4-DICHLOROBENZENE	146	S1#130CC	106-46-7
18	C345	BENZYL ALCOHOL	108	S1#145	100-51-6
19	C350	1,2-DICHLOROBENZENE	146	S1#150	95-50-1
20	C355	2-METHYLPHENOL	108	S1#160	95-48-7
21	C360	BIS(2-CHLOROISOPROPYL)E	45	S1#165	108-60-1
22	C365	4-METHYLPHENOL	108	S1#185	106-44-5
23	C370	N-NITROSO-DI-N-PROPYLAM	70	S1#190SP	621-64-7
24	C375	HEXACHLOROETHANE	117	S1#200	67-72-1
25	C410	NITROBENZENE	77	S2# 10	98-95-3
26	C415	ISOPHORONE	82	S2# 20	75-59-1
27	C420	2-NITROPHENOL	139	S2# 25CC	88-75-5
28	C425	2,4-DIMETHYLPHENOL	107	S2# 30	105-67-9
29	C435	BIS(2-CHLOROETHOXY)METH	93	S2# 35	111-91-1
30	C440	2,4-DICHLOROPHENOL	162	S2# 40	120-83-2
31	C430	BENZOIC ACID	122	S2# 45	65-85-0
32	C445	1,2,4-TRICHLOROBENZENE	180	S2# 55	120-82-1
33	C450	NAPHTHALENE	128	S2# 60	91-20-3
34	C455	4-CHLOROANALINE	127	S2# 80	106-47-8
35	C460	HEXACHLOROBUTADIENE	225	S2# 95CC	87-68-3
36	C465	4-CHLORO-3-METHYLPHENO	107	S2#130CC	59-50-7
37	C470	2-METHYLNAPHTHALENE	142	S2#145	91-57-6
38	C510	HEXACHLOROCYCLOPENTADI	237	S3# 20	77-47-4
39	C515	2,4,6-TRICHLOROPHENOL	196	S3# 25CC	88-06-2
40	C520	2,4,5-TRICHLOROPHENOL	196	S3# 30	95-95-4
41	C525	2-CHLORONAPHTHALENE	162	S3# 40	91-58-7
42	C530	2-NITROANALINE	65	S3# 45	88-74-4
43	C535	DIMETHYLPHTHALATE	163	S3# 55	131-11-3
44	C540	ACENAPHTHYLENE	152	S3# 65	208-96-8
45	C543	2,6-DINITROTOLUENE	165	S3# 70	606-20-2
46	C545	3-NITROANILINE	138	S3# 75	99-09-2
47	C550	ACENAPHTHENE	153	S3# 80CC	83-32-9

No	Name				
48	C555	2,4-DINITROPHENOL	184	S3# 85SP	51-28-5
49	C565	DIBENZOFURAN	168	S3# 90	132-64-9
50	C560	4-NITROPHENOL	109	S3# 95SP	100-02-7

No	m/z	Scan	Time	Ref	RRT	Meth	Area(hght)	Amount		%Tot
1	152	682	8:31	1	1.000	A BB	16710.	40.000	UG/ML	1.00
2	136	918	11:28	2	1.000	A BB	58882.	40.000	UG/ML	1.00
3	164	1271	15:53	3	1.000	A BB	25530.	40.000	UG/ML	1.00
4	188	1569	19:37	4	1.000	A BB	35838.	40.000	UG/ML	1.00
5	240	2116	26:27	5	1.000	A BB	20865.	40.000	UG/ML	1.00
6	264	2391	29:53	6	1.000	A BB	21258.	40.000	UG/ML	1.00
7	82	787	9:50	2	0.857	A BB	28906.	50.000	UG/ML	1.25
8	172	1138	14:13	3	0.895	A BB	45495.	50.000	UG/ML	1.25
9	244	1904	23:48	5	0.900	A BB	27105.	50.000	UG/ML	1.25
10	99	633	7:55	1	0.928	A BB	72726.	100.000	UG/ML	2.51
11	112	484	6:03	1	0.710	A BV	58787.	100.000	UG/ML	2.51
12	330	1433	17:55	3	1.127	A BB	6404.	100.000	UG/ML	2.51
13	94	635	7:56	1	0.931	A BV	42300.	50.000	UG/ML	1.25
14	93	647	8:05	1	0.949	A VB	33088.	50.000	UG/ML	1.25
15	128	651	8:08	1	0.955	A BB	31064.	50.000	UG/ML	1.25
16	146	675	8:26	1	0.990	A BV	32792.	50.000	UG/ML	1.25
17	146	685	8:34	1	1.004	A VB	34190.	50.000	UG/ML	1.25
18	108	713	8:55	1	1.045	A BB	17098.	50.000	UG/ML	1.25
19	146	717	8:58	1	1.051	A BB	31769.	50.000	UG/ML	1.25
20	108	737	9:13	1	1.081	A BB	24587.	50.000	UG/ML	1.25
21	45	742	9:16	1	1.088	A BB	54935.	50.000	UG/ML	1.25
22	108	764	9:33	1	1.120	A BB	25979.	50.000	UG/ML	1.25
23	70	769	9:37	1	1.128	A BB	21898.	50.000	UG/ML	1.25
24	117	772	9:39	1	1.132	A BB	12494.	50.000	UG/ML	1.25
25	77	791	9:53	2	0.862	A BV	29971.	50.000	UG/ML	1.25
26	82	836	10:27	2	0.911	A BB	55214.	50.000	UG/ML	1.25
27	139	850	10:37	2	0.926	A BB	16178.	50.000	UG/ML	1.25
28	107	863	10:47	2	0.940	A BB	22136.	50.000	UG/ML	1.25
29	93	882	11:01	2	0.961	A BB	33474.	50.000	UG/ML	1.25
30	162	895	11:11	2	0.975	A BB	21297.	50.000	UG/ML	1.25
31	122	893	11:10	2	0.973	A BB	11873.	50.000	UG/ML	1.25
32	180	911	11:23	2	0.992	A BB	22650.	50.000	UG/ML	1.25
33	128	922	11:31	2	1.004	A BB	80443.	50.000	UG/ML	1.25
34	127	939	11:44	2	1.023	A BB	31610.	50.000	UG/ML	1.25
35	225	960	12:00	2	1.046	A BB	9634.	50.000	UG/ML	1.25
36	107	1037	12:58	2	1.130	A BB	19801.	50.000	UG/ML	1.25
37	142	1058	13:13	2	1.153	A BB	46654.	50.000	UG/ML	1.25
38	237	1104	13:48	3	0.869	A BB	8051.	50.000	UG/ML	1.25
39	196	1121	14:01	3	0.882	A BV	12344.	50.000	UG/ML	1.25
40	196	1127	14:05	3	0.887	A VB	13526.	50.000	UG/ML	1.25
41	162	1154	14:25	3	0.908	A BB	42427.	50.000	UG/ML	1.25
42	65	1185	14:49	3	0.932	A BB	14874.	50.000	UG/ML	1.25
43	163	1232	15:24	3	0.969	A BB	46163.	50.000	UG/ML	1.25
44	152	1238	15:28	3	0.974	A BB	64484.	50.000	UG/ML	1.25
45	165	1244	15:33	3	0.979	A BB	11662.	50.000	UG/ML	1.25
46	138	1269	15:52	3	0.998	A BB	13231.	50.000	UG/ML	1.25
47	153	1277	15:58	3	1.005	A BB	38868.	50.000	UG/ML	1.25
48	184	1289	16:07	3	1.014	A BB	4037.	50.000	UG/ML	1.25
49	168	1310	16:22	3	1.031	A BB	54730.	50.000	UG/ML	1.25
50	109	1306	16:19	3	1.028	A BB	4912.	50.000	UG/ML	1.25

No	Ret(L)	Ratio	RRT(L)	Ratio	Amnt	Amnt(L)	R.Fac	R.Fac(L)	Ratio
1	8:31	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
2	11:28	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
3	15:53	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
4	19:37	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
5	26:27	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
6	29:53	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
7	9:50	1.00	0.857	1.00	50.00	50.00	0.393	0.393	1.00
8	14:13	1.00	0.895	1.00	50.00	50.00	1.426	1.426	1.00
9	23:48	1.00	0.900	1.00	50.00	50.00	1.039	1.039	1.00
10	7:55	1.00	0.928	1.00	100.00	100.00	1.741	1.741	1.00
11	6:03	1.00	0.710	1.00	100.00	100.00	1.407	1.407	1.00
12	17:55	1.00	1.127	1.00	100.00	100.00	0.100	0.100	1.00
13	7:56	1.00	0.931	1.00	50.00	50.00	2.025	2.025	1.00
14	8:05	1.00	0.949	1.00	50.00	50.00	1.584	1.584	1.00
15	8:08	1.00	0.955	1.00	50.00	50.00	1.487	1.487	1.00
16	8:26	1.00	0.990	1.00	50.00	50.00	1.570	1.570	1.00
17	8:34	1.00	1.004	1.00	50.00	50.00	1.637	1.637	1.00
18	8:55	1.00	1.045	1.00	50.00	50.00	0.819	0.819	1.00
19	8:58	1.00	1.051	1.00	50.00	50.00	1.521	1.521	1.00
20	9:13	1.00	1.081	1.00	50.00	50.00	1.177	1.177	1.00
21	9:16	1.00	1.088	1.00	50.00	50.00	2.630	2.630	1.00
22	9:33	1.00	1.120	1.00	50.00	50.00	1.244	1.244	1.00
23	9:37	1.00	1.128	1.00	50.00	50.00	1.048	1.048	1.00
24	9:39	1.00	1.132	1.00	50.00	50.00	0.598	0.598	1.00
25	9:53	1.00	0.862	1.00	50.00	50.00	0.407	0.407	1.00
26	10:27	1.00	0.911	1.00	50.00	50.00	0.750	0.750	1.00
27	10:37	1.00	0.926	1.00	50.00	50.00	0.220	0.220	1.00
28	10:47	1.00	0.940	1.00	50.00	50.00	0.301	0.301	1.00
29	11:01	1.00	0.961	1.00	50.00	50.00	0.455	0.455	1.00
30	11:11	1.00	0.975	1.00	50.00	50.00	0.289	0.289	1.00
31	11:10	1.00	0.973	1.00	50.00	50.00	0.161	0.161	1.00
32	11:23	1.00	0.992	1.00	50.00	50.00	0.308	0.308	1.00
33	11:31	1.00	1.004	1.00	50.00	50.00	1.093	1.093	1.00
34	11:44	1.00	1.023	1.00	50.00	50.00	0.429	0.429	1.00
35	12:00	1.00	1.046	1.00	50.00	50.00	0.131	0.131	1.00
36	12:58	1.00	1.130	1.00	50.00	50.00	0.269	0.269	1.00
37	13:13	1.00	1.153	1.00	50.00	50.00	0.634	0.634	1.00
38	13:48	1.00	0.869	1.00	50.00	50.00	0.252	0.252	1.00
39	14:01	1.00	0.882	1.00	50.00	50.00	0.387	0.387	1.00
40	14:05	1.00	0.887	1.00	50.00	50.00	0.424	0.424	1.00
41	14:25	1.00	0.908	1.00	50.00	50.00	1.329	1.329	1.00
42	14:49	1.00	0.932	1.00	50.00	50.00	0.466	0.466	1.00
43	15:24	1.00	0.969	1.00	50.00	50.00	1.447	1.447	1.00
44	15:28	1.00	0.974	1.00	50.00	50.00	2.021	2.021	1.00
45	15:33	1.00	0.979	1.00	50.00	50.00	0.365	0.365	1.00
46	15:52	1.00	0.998	1.00	50.00	50.00	0.415	0.415	1.00
47	15:58	1.00	1.005	1.00	50.00	50.00	1.218	1.218	1.00
48	16:07	1.00	1.014	1.00	50.00	50.00	0.127	0.127	1.00
49	16:22	1.00	1.031	1.00	50.00	50.00	1.715	1.715	1.00
50	16:19	1.00	1.028	1.00	50.00	50.00	0.154	0.154	1.00

Quantitation Report File: STDU547

00920

Data: STDU547.TI
06/02/88 14:46:00
Sample: CLP,STDU,,SSTD050,,,,BNA,CAL
Conds.:
Formula: Instrument: 4500 Weight: 0.000
Submitted by: RMAL Analyst: KS Acct. No.:

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

No	Name				
51	C570	2,4-DINITROTOLUENE	165	S3#105	121-14-2
52	C580	DIETHYLPHTHALATE	149	S3#130	84-66-2
53	C590	FLUORENE	166	S3#135	86-73-7
54	C585	4-CHLOROPHENYL-PHENYLE	204	S3#140	7005-72-3
55	C595	4-NITROANALINE	138	S3#150	100-01-6
56	C610	4,6-DINITRO-2-METHYLPH	198	S4# 10	534-52-1
57	C615	N-NITROSODIPHENYLAMINE	169	S4# 15CC	87-30-6
58	C625	4-BROMOPHENYL-PHENYLET	248	S4# 30	101-55-3
59	C630	HEXACHLOROBENZENE	284	S4# 40	118-74-1
60	C635	PENTACHLOROPHENOL	266	S4# 50	87-86-5
61	C640	PHENANTHRENE	178	S4# 65	85-01-8
62	C645	ANTHRACENE	178	S4# 70	120-12-7
63	C650	DI-N-BUTYLPHTHALATE	149	S4# 85	84-74-2
64	C655	FLUORANTHENE	202	S4#110CC	206-44-0
65	C715	PYRENE	202	S5# 15	129-00-0
66	C720	BUTYLBENZYLPHTHALATE	149	S5# 40	85-68-7
67	C730	BENZO(A)ANTHRACENE	228	S5# 50	56-55-3
68	C725	3,3'-DICHLOROBENZIDINE	252	S5# 55	91-94-1
69	C740	CHRYSENE	228	S5# 60	218-01-9
70	C745	BIS(2-ETHYLHEXYL)PHTHA	149	S5# 65	117-81-7
71	C760	DI-N-OCTYL PHTHALATE	149	S6# 10CC	117-84-0
72	C765	BENZO(B)FLUORANTHENE	252	S6# 15	205-99-2
73	C770	BENZO(K)FLUORANTHENE	252	S6# 25	207-08-9
74	C775	BENZO(A)PYRENE	252	S6# 35	50-32-8
75	C780	INDENO(1,2,3-CD)PYRENE	276	S6# 55	193-39-5
76	C785	DIBENZ(A,H)ANTHRACENE	278	S6# 60	53-70-3
77	C790	BENZO(G,H,I)PERYLENE	276	S6# 65	191-24-2

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount	%Tot
51	165	1322	16:31	3	1.040	A BB	13550.	50.000 UG/ML	1.25
52	149	1378	17:13	3	1.084	A BB	45365.	50.000 UG/ML	1.25
53	166	1379	17:14	3	1.085	A BB	42645.	50.000 UG/ML	1.25
54	204	1383	17:17	3	1.088	A BB	18173.	50.000 UG/ML	1.25
55	138	1395	17:26	3	1.098	A BB	11386.	50.000 UG/ML	1.25
56	198	1404	17:33	4	0.895	A BB	6069.	50.000 UG/ML	1.25
57	169	1410	17:37	4	0.899	A BB	29065.	50.000 UG/ML	1.25
58	248	1482	18:31	4	0.945	A BB	8076.	50.000 UG/ML	1.25
59	284	1508	18:51	4	0.961	A BB	8040.	50.000 UG/ML	1.25
60	266	1546	19:19	4	0.985	A BB	5825.	50.000 UG/ML	1.25
61	178	1574	19:40	4	1.003	A BV	53695.	50.000 UG/ML	1.25
62	178	1583	19:47	4	1.009	A VB	53197.	50.000 UG/ML	1.25
63	149	1710	21:22	4	1.090	A BB	74453.	50.000 UG/ML	1.25
64	202	1819	22:44	4	1.159	A BB	45402.	50.000 UG/ML	1.25
65	202	1864	23:18	5	0.881	A BB	45575.	50.000 UG/ML	1.25
66	149	2015	25:11	5	0.952	A BB	25344.	50.000 UG/ML	1.25

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount		%Tot
67	228	2112	26:24	5	0.998	A BV	32538.	50.000	UG/ML	1.25
68	252	2113	26:25	5	0.999	A BB	20765.	100.000	UG/ML	2.51
69	228	2121	26:31	5	1.002	A VB	28442.	50.000	UG/ML	1.25
70	149	2140	26:45	5	1.011	A BB	35227.	50.000	UG/ML	1.25
71	149	2259	28:14	6	0.945	A BB	55292.	50.000	UG/ML	1.25
72	252	2323	29:02	6	0.972	A BV	32562.	50.000	UG/ML	1.25
73	252	2328	29:06	6	0.974	A VB	29745.	50.000	UG/ML	1.25
74	252	2381	29:46	6	0.996	A BB	33433.	50.000	UG/ML	1.25
75	276	2593	32:25	6	1.084	A BB	48503.	50.000	UG/ML	1.25
76	278	2597	32:28	6	1.086	A BB	39538.	50.000	UG/ML	1.25
77	276	2650	33:07	6	1.108	A BB	43757.	50.000	UG/ML	1.25

No	Ret(L)	Ratio	RRT(L)	Ratio	Amnt	Amnt(L)	R.Fac	R.Fac(L)	Ratio
51	16:31	1.00	1.040	1.00	50.00	50.00	0.425	0.425	1.00
52	17:13	1.00	1.084	1.00	50.00	50.00	1.422	1.422	1.00
53	17:14	1.00	1.085	1.00	50.00	50.00	1.336	1.336	1.00
54	17:17	1.00	1.088	1.00	50.00	50.00	0.569	0.569	1.00
55	17:26	1.00	1.098	1.00	50.00	50.00	0.357	0.357	1.00
56	17:33	1.00	0.895	1.00	50.00	50.00	0.135	0.135	1.00
57	17:37	1.00	0.899	1.00	50.00	50.00	0.649	0.649	1.00
58	18:31	1.00	0.945	1.00	50.00	50.00	0.180	0.180	1.00
59	18:51	1.00	0.961	1.00	50.00	50.00	0.179	0.179	1.00
60	19:19	1.00	0.985	1.00	50.00	50.00	0.130	0.130	1.00
61	19:40	1.00	1.003	1.00	50.00	50.00	1.199	1.199	1.00
62	19:47	1.00	1.009	1.00	50.00	50.00	1.187	1.187	1.00
63	21:22	1.00	1.090	1.00	50.00	50.00	1.662	1.662	1.00
64	22:44	1.00	1.159	1.00	50.00	50.00	1.013	1.013	1.00
65	23:18	1.00	0.881	1.00	50.00	50.00	1.747	1.747	1.00
66	25:11	1.00	0.952	1.00	50.00	50.00	0.972	0.972	1.00
67	26:24	1.00	0.998	1.00	50.00	50.00	1.248	1.248	1.00
68	26:25	1.00	0.999	1.00	100.00	100.00	0.398	0.398	1.00
69	26:31	1.00	1.002	1.00	50.00	50.00	1.091	1.091	1.00
70	26:45	1.00	1.011	1.00	50.00	50.00	1.351	1.351	1.00
71	28:14	1.00	0.945	1.00	50.00	50.00	2.081	2.081	1.00
72	29:02	1.00	0.972	1.00	50.00	50.00	1.226	1.226	1.00
73	29:06	1.00	0.974	1.00	50.00	50.00	1.119	1.119	1.00
74	29:46	1.00	0.996	1.00	50.00	50.00	1.258	1.258	1.00
75	32:25	1.00	1.084	1.00	50.00	50.00	1.825	1.825	1.00
76	32:28	1.00	1.086	1.00	50.00	50.00	1.488	1.488	1.00
77	33:07	1.00	1.108	1.00	50.00	50.00	1.647	1.647	1.00

RMAL QUANTITATION SUMMARY FILE: STDU347
COMPOUNDS WITH AMOUNTS LESS THAN 1.00 REPORTED AS NOT FOUND

UNITS: UG/ML

NO	LIBRARY ENTRY	NAME	MASS	SCAN	REF	AREA	RRF	AMOUNT
1	S1# 1	CI30 1,4-DICHLOROBENZENE	152	682	1	16710.	1.000	40.000
2	S2# 1	CI40 NAPHTHALENE-D8	136	918	2	58882.	1.000	40.000
3	S3# 1	CI50 ACENAPHTHENE-D10	164	1271	3	25530.	1.000	40.000
4	S4# 1	CI60 PHENANTHRENE-D10	188	1569	4	25838.	1.000	40.000
5	S5# 1	CI70 CHRYSENE-D12	240	2116	5	20865.	1.000	40.000
6	S6# 1	CI75 PERYLENE-D12	264	2391	6	21258.	1.000	40.000
7	S2# 2	CS20 NITROBENZENE-D5	82	787	2	28906.	0.393	50.000
8	S3# 3	CS25 2-FLUOROBIPHENYL	172	1138	3	25495.	1.426	50.000
9	S5# 2	CS30 TERPHENYL-D14	244	1904	5	27105.	1.039	50.000
10	S1# 3	CS45 PHENOL-D5	99	633	1	72726.	1.741	100.000
11	S1# 2	CS50 2-FLUOROPHENOL	112	484	1	58787.	1.407	100.000
12	S3# 2	CS55 2,4,6-TRIBROMOPHENO	330	1433	3	6404.	0.100	100.000
13	S1#105	C315 PHENOL	94	635	1	42300.	2.025	50.000
14	S1#110	C325 BIS(2-CHLOROETHYL)E	93	647	1	23088.	1.584	50.000
15	S1#115	C330 2-CHLOROPHENOL	128	651	1	31064.	1.487	50.000
16	S1#125	C335 1,3-DICHLOROBENZENE	146	675	1	32792.	1.570	50.000
17	S1#130	C340 1,4-DICHLOROBENZENE	146	685	1	34190.	1.637	50.000
18	S1#145	C345 BENZYL ALCOHOL	108	713	1	17096.	0.819	50.000
19	S1#150	C350 1,2-DICHLOROBENZENE	146	717	1	31769.	1.521	50.000
20	S1#160	C355 2-METHYLPHENOL	108	737	1	24587.	1.177	50.000
21	S1#165	C360 BIS(2-CHLOROISOPROP	45	742	1	54935.	2.630	50.000
22	S1#185	C365 4-METHYLPHENOL	108	764	1	25979.	1.244	50.000
23	S1#190	C370 N-NITROSO-DI-N-PROP	70	769	1	21898.	1.048	50.000
24	S1#200	C375 HEXACHLOROETHANE	117	772	1	12494.	0.598	50.000
25	S2# 10	C410 NITROBENZENE	77	791	2	29971.	0.407	50.000
26	S2# 20	C415 ISOPHORONE	82	836	2	55214.	0.750	50.000
27	S2# 25	C420 2-NITROPHENOL	139	850	2	16178.	0.220	50.000
28	S2# 30	C425 2,4-DIMETHYLPHENOL	107	863	2	22136.	0.301	50.000
29	S2# 35	C435 BIS(2-CHLOROETHOXY)	93	882	2	33474.	0.455	50.000
30	S2# 40	C440 2,4-DICHLOROPHENOL	162	895	2	21297.	0.289	50.000
31	S2# 45	C430 BENZOIC ACID	122	893	2	11873.	0.161	50.000
32	S2# 55	C445 1,2,4-TRICHLOROBENZ	180	911	2	22650.	0.308	50.000
33	S2# 60	C450 NAPHTHALENE	128	922	2	80443.	1.093	50.000
34	S2# 80	C455 4-CHLOROANALINE	127	939	2	31610.	0.429	50.000
35	S2# 95	C460 HEXACHLOROBUTADIENE	225	960	2	9634.	0.131	50.000
36	S2#130	C465 4-CHLORO-3-METHYLPH	107	1037	2	19801.	0.269	50.000
37	S2#145	C470 2-METHYLNAPHTHALENE	142	1058	2	46654.	0.634	50.000
38	S3# 20	C510 HEXACHLOROCYCLOPENT	237	1104	3	8051.	0.252	50.000
39	S3# 25	C515 2,4,6-TRICHLOROPHEN	196	1121	3	12344.	0.387	50.000
40	S3# 30	C520 2,4,5-TRICHLOROPHEN	196	1127	3	13526.	0.424	50.000
41	S3# 40	C525 2-CHLORONAPHTHALENE	162	1154	3	42427.	1.329	50.000
42	S3# 45	C530 2-NITROANALINE	65	1185	3	14874.	0.466	50.000
43	S3# 55	C535 DIMETHYLPHTHALATE	163	1232	3	46163.	1.447	50.000
44	S3# 65	C540 ACENAPHTHYLENE	152	1238	3	64484.	2.021	50.000
45	S3# 70	C543 2,6-DINITROTOLUENE	165	1244	3	11662.	0.365	50.000
46	S3# 75	C545 3-NITROANILINE	138	1269	3	13232.	0.415	50.000
47	S3# 80	C550 ACENAPHTHENE	153	1277	3	38868.	1.218	50.000
48	S3# 85	C555 2,4-DINITROPHENOL	184	1289	3	4037.	0.127	50.000
49	S3# 90	C565 DIBENZOFURAN	168	1310	3	54730.	1.715	50.000
50	S3# 95	C560 4-NITROPHENOL	109	1306	3	4912.	0.154	50.000
51	S3#105	C570 2,4-DINITROTOLUENE	165	1322	3	13550.	0.425	50.000
52	S3#130	C580 DIETHYLPHTHALATE	149	1378	3	45365.	1.422	50.000
53	S3#135	C590 FLUORENE	166	1379	3	42645.	1.336	50.000
54	S3#140	C585 4-CHLOROPHENYL-PHEN	204	1383	3	18173.	0.569	50.000
55	S3#150	C595 4-NITROANALINE	138	1395	3	11386.	0.357	50.000
56	S4# 10	C610 4,6-DINITRO-2-METHY	198	1404	4	6069.	0.135	50.000
57	S4# 15	C615 N-NITROSODIPHENYLAM	169	1410	4	29065.	0.649	50.000
58	S4# 30	C625 4-BROMOPHENYL-PHENY	248	1482	4	8076.	0.180	50.000
59	S4# 40	C630 HEXACHLOROBENZENE	284	1508	4	8040.	0.179	50.000
60	S4# 50	C635 PENTACHLOROPHENOL	266	1546	4	5825.	0.130	50.000
61	S4# 65	C640 PHENANTHRENE	178	1574	4	53699.	1.199	50.000
62	S4# 70	C645 ANTHRACENE	178	1583	4	53197.	1.187	50.000
63	S4# 85	C650 DI-N-BUTYLPHTHALATE	149	1710	4	74453.	1.662	50.000
64	S4#110	C655 FLUORANTHENE	202	1819	4	45402.	1.013	50.000
65	S5# 15	C715 PYRENE	202	1864	5	45575.	1.747	50.000
66	S5# 40	C720 BUTYLBENZYLPHTHALAT	149	2015	5	25344.	0.972	50.000
67	S5# 50	C730 BENZO(A)ANTHRACENE	228	2112	5	32538.	1.248	50.000
68	S5# 55	C725 3,3'-DICHLOROBENZID	252	2113	5	20765.	0.398	100.000
69	S5# 60	C740 CHRYSENE	228	2121	5	28442.	1.091	50.000
70	S5# 65	C745 BIS(2-ETHYLHEXYL)PH	149	2140	5	35227.	1.351	50.000
71	S6# 10	C760 DI-N-OCTYL PHTHALAT	149	2259	6	55292.	2.081	50.000
72	S6# 15	C765 BENZO(B)FLUORANTHEN	252	2323	6	32582.	1.226	50.000
73	S6# 25	C770 BENZO(K)FLUORANTHEN	252	2328	6	29745.	1.119	50.000
74	S6# 35	C775 BENZO(A)PYRENE	252	2381	6	33433.	1.258	50.000
75	S6# 55	C780 INDENO(1,2,3-CD)PYR	276	2593	6	48503.	1.825	50.000
76	S6# 60	C785 DIBENZ(A,H)ANTHRACE	278	2597	6	39536.	1.488	50.000
77	S6# 65	C790 BENZO(G,H,I)PERYLEN	276	2650	6	43757.	1.647	50.000

6/3/88 15:32:13 SCAN 1 OF 2800
Acquisition started

Acquire
06/03/88 15:32:00 + 0:04
Sample: CLP,STDU,,SSTD050,,,,BNA,CAL
Conds.:
Formula:
Submitted by: RMAL

Run 0:STDU557
Free sectors: 24831
Instrument: 4500
Analyst: KS

ACQUIRING
Scan: 5 of 2800
Weight: 0.000
Acct. No:

********** GC PARAMETERS **********

Loaded GC Desc:ST Current GC oven tmp: 29 DegC Injector : 250 DegC
Current GC Desc:ST GC elapsed time : 0: 3 min Int.oven : 260 DegC

Seq.#	Temp(C)	Rate(C/m)	Time(min)	Total time(min)		Open	Close
1	30 - 30	-	1.0	1.0	Sweep/Split	0.5	0.0
2	30 - 325	10.0	29.5	30.5	Divert	40.5	0.0
3	325 - 325	-	10.0	40.5			
4	325 - 325	-	0.0	40.5			

********** SCAN PARAMETERS **********

Low mass: 35 Up: 0.70 L* Top: 0.00
High mass: 500 Down: 0.00 L Bottom: 0.05

Cent S/P: 10 Actual: 10 Samp Int (ms): 0.150 Peak Width: 1000.
Frag S/P: 10 Actual: 10 Samp Int (ms): 0.150 Inten/ion: 2

Min Peak Width: 3 Min Frag Width %: 80 Min Area: 30
ADC Threshold: 1 Baseline: 0

***** Mode: Centroid positive ion + R1 (Temp)

Interface number	0	
Sub-interface number	0	
# of acqu buffers	16	
Instrument type	Q	
Full scale mass	1024	u
Zero scale mass	1	u
Intensity/ion	2	
Peak Width	1000.	mmu
Offset at low mass	0	mmu
Offset at high mass	0	mmu
Voltage settling time(MS)	4	

6/3/88 16:07:15
ACQUISITION COMPLETED
SCANS 1 TO 2800 Centroid

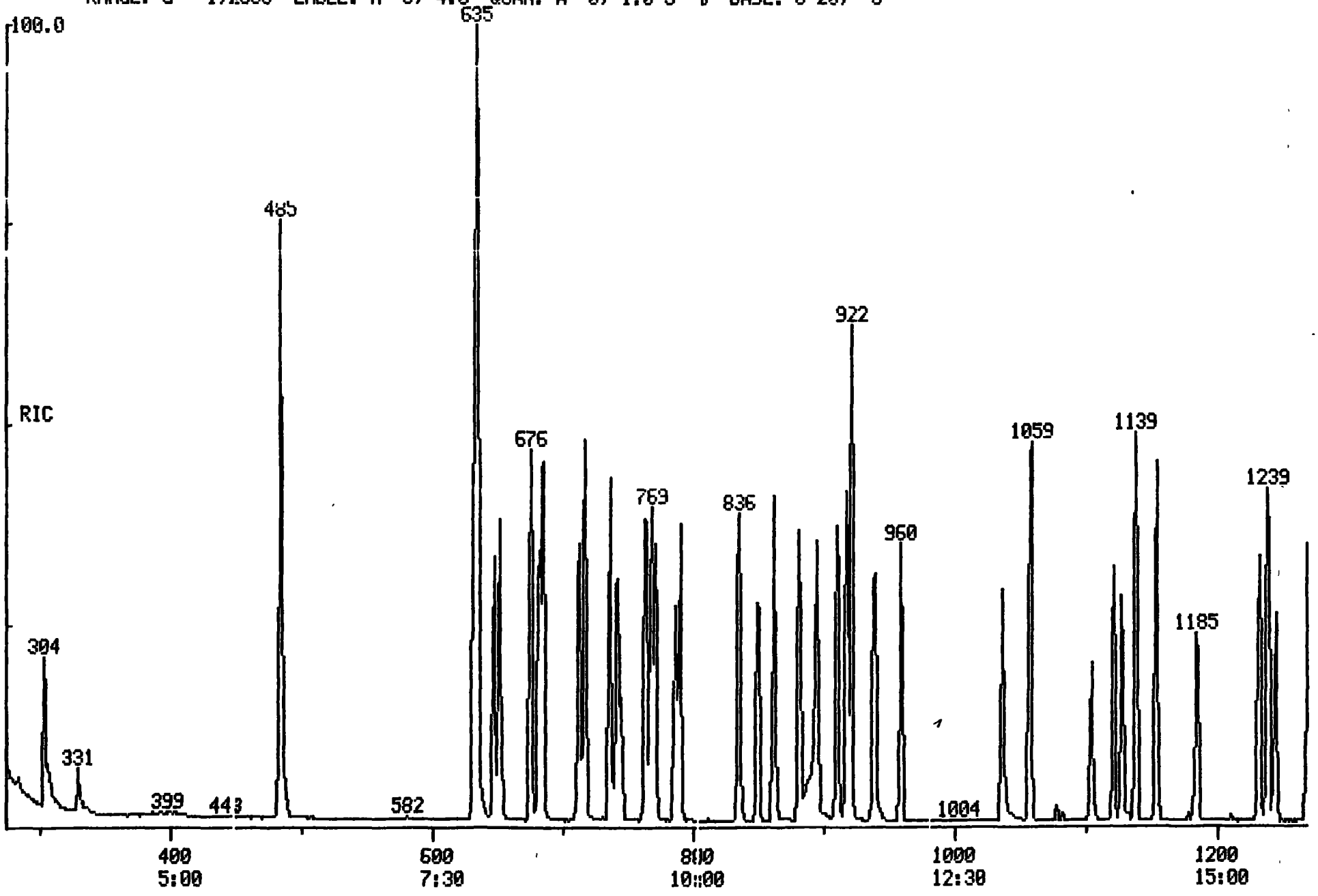
Mode	Scans	Secs	Out of	%	Peaks per scan	per sec
Centroid	2800	179.9	2100.0	8.6	38480. 14.	18.

00924

RIC
06/03/88 15:32:00
SAMPLE: CLP,STDU,,SSTD050,,,,BNA,CAL
CONDS.:
RANGE: G 1,2800 LABEL: N 0, 4.0 QUAN: A 0, 1.0 J D BASE: U 20, 3

DATA: STDU557 #4
CALI: 060388CU #5

SCANS 270 TO 1270
OUT OF 270 TO 2840



00925

RIC DATA: STDU557 #4 SCANS 1270 TO 2270
06/03/88 15:32:00 CALI: 060388CU #5 OUT OF 270 TO 2800
SAMPLE: CLP,STDU,,SSTD050,,,,BNA,CAL
CONDS.:
RANGE: G 1,2800 LABEL: N 0, 4.0 QUAN: A 0, 1.0 J 0 BASE: U 20, 3

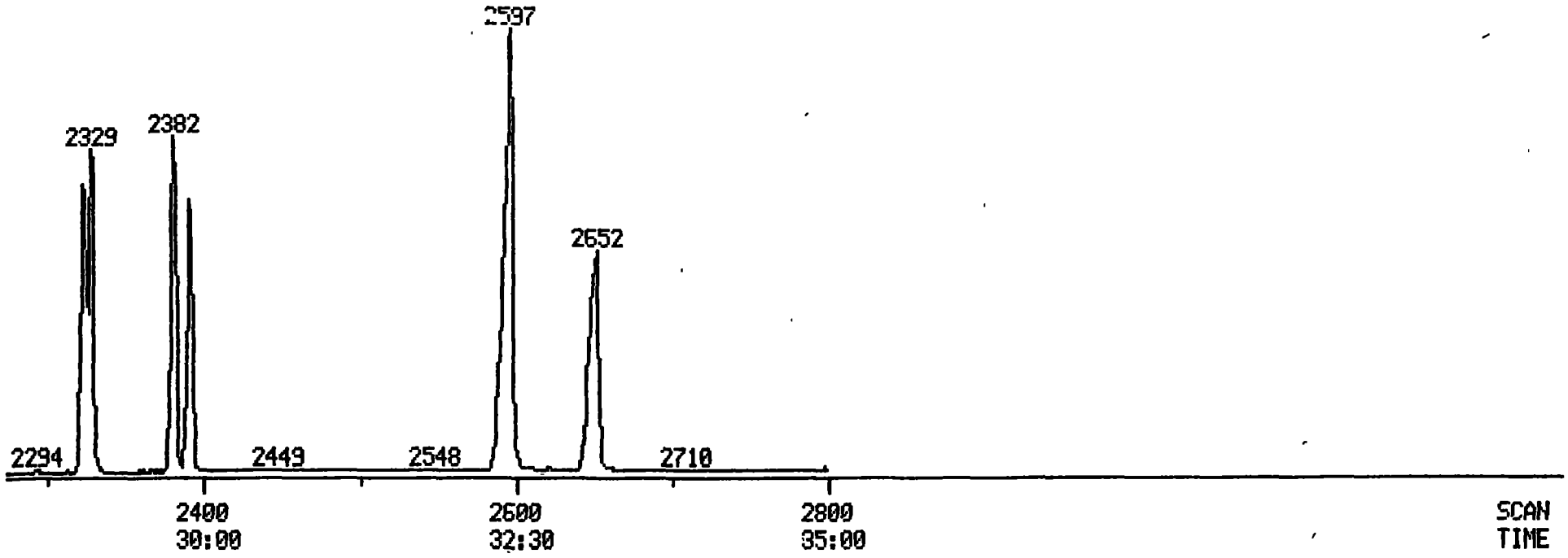
100.0

00926

RIC
05/03/88 15:32:00
SAMPLE: CLP,STDU,,SSTD050,,,,BNA,CAL
CONDS.:
RANGE: G 1,2800 LABEL: N 0, 4.0 QUAN: A 0, 1.0 J 0 BASE: U 20, 3

DATA: STDU557 #4 SCANS 2279 TO 2800
CALI: 060388CU #5 OUT OF 270 TO 2800

100.0 128768.



PROCEDURE: TCA DIAGNOSTIC REPORT 6/03/88 16:07:40
DATA FILE: STDU557
REFERENCE: 11TABLE
NAME LIST: LLNL INITIALIZATION OPTION: 2 PROCESSING OPTION: 3
REPORT: ISO1

00927

STANDARDS PROC	STANDARDS USED	STANDARDS POSS	STANDARDS RMS	PLUS UNKNOWNS PROC	PLUS UNKNOWNS USED	PLUS UNKNOWNS POSS	PLUS UNKNOWNS RMS	LIST NAMES STANDARD/UNKNOWN
1	1	1	0	7	7	1	39	ISO1/TCO1
3	3	1	49	18	18	2	63	ISO2/TCO2
3	3	1	49	12	12	2	66	ISO3/TCO3
3	3	1	44	18	18	2	53	ISO4/TCO4
3	3	1	44	10	10	1	60	ISO5/TCO5
3	3	1	52	8	8	2	87	ISO6/TCO6
3	3	1	0	14	14	32	53	ISO7/TCO7
1	1	1	0	4	4	1	153	ISO8/TCO8

77 COMPOUNDS PROCESSED, 77 FOUND

COMPOUND NO	LIB	ENTRY	SEARCH REF	PRED	SEL	DELTA	PEAKS	FIT	SAT PEAKS	CHRO M/Z	TOP	DELTA	PEAKS
1	S1	1	-681	683	683	.	1	977	.	152	682	-1	1
2	S1	2	-484	485	485	.	1	996	.	112	485	.	1
3	S1	3	-633	634	634	.	1	944	.	99	634	.	1
4	S1	105	-635	636	636	.	1	915	.	94	636	.	1
5	S1	110	-647	648	648	.	1	980	.	93	648	.	1
6	S1	115	-651	652	652	.	1	994	.	128	652	.	1
7	S1	125	-675	676	676	.	1	983	.	146	676	.	1
8	S2	1	-917	918	918	.	1	996	.	136	918	.	1
9	S3	1	-1270	1271	1271	.	1	989	.	164	1271	.	1
10	S1	130	-685	686	686	.	1	985	.	146	685	-1	1
11	S1	145	-713	714	714	.	1	995	.	108	714	.	1
12	S1	150	-717	718	718	.	1	988	.	146	718	.	1
13	S1	160	-737	738	737	-1	1	988	.	108	737	.	1
14	S1	165	-742	743	743	.	1	959	.	45	743	.	1
15	S1	185	-764	765	764	-1	2	994	.	108	764	.	1
16	S1	190	-769	770	769	-1	1	997	.	70	769	.	1
17	S1	200	-772	773	772	-1	1	996	.	117	772	.	1
18	S2	2	-787	788	788	.	1	996	.	82	788	.	1
19	S2	10	-791	792	791	-1	1	998	.	77	791	.	1
20	S2	20	-836	837	836	-1	1	984	.	82	836	.	1
21	S2	25	-850	851	850	-1	1	987	.	139	850	.	1
22	S2	30	-863	864	863	-1	1	996	.	107	863	.	1
23	S2	35	-882	883	882	-1	1	1000	.	93	882	.	1
24	S2	45	-893	894	894	.	1	988	.	122	893	-1	1
25	S2	40	-895	896	895	-1	1	988	.	162	895	.	1
26	S2	55	-911	912	911	-1	1	991	.	180	911	.	1
27	S2	60	-922	923	922	-1	1	996	.	128	922	.	1
28	S2	80	-939	940	939	-1	1	976	.	127	939	.	1
29	S2	95	-960	961	960	-1	1	992	.	225	960	.	1
30	S2	130	-1037	1038	1038	.	1	992	.	107	1038	.	1
31	S2	145	-1058	1059	1059	.	1	992	.	142	1058	-1	1
32	S3	20	-1104	1105	1105	.	1	992	.	237	1105	.	1
33	S3	25	-1121	1122	1122	.	2	989	.	196	1122	.	1
34	S4	1	-1568	1570	1570	.	1	990	.	188	1570	.	1
35	S3	30	-1127	1128	1128	.	2	992	.	196	1128	.	1
36	S3	3	-1138	1139	1139	.	1	998	.	172	1139	.	1
37	S3	40	-1154	1155	1155	.	1	997	.	162	1155	.	1
38	S3	45	-1185	1186	1185	-1	1	992	.	65	1185	.	1
39	S3	55	-1232	1233	1233	.	1	970	.	163	1233	.	1
40	S3	65	-1238	1239	1239	.	1	990	.	152	1239	.	1
41	S3	70	-1244	1245	1245	.	1	996	.	165	1245	.	1
42	S3	75	-1269	1270	1270	.	1	995	.	138	1270	.	1
43	S3	80	-1277	1278	1278	.	1	992	.	153	1278	.	1
44	S3	85	-1289	1290	1290	.	1	980	.	184	1290	.	1
45	S3	95	-1306	1307	1307	.	1	990	.	109	1307	.	1
46	S3	90	-1310	1311	1310	-1	1	960	.	168	1310	.	1
47	S3	105	-1322	1323	1322	-1	1	995	.	165	1322	.	1
48	S3	130	-1378	1379	1378	-1	1	956	.	149	1378	.	1
49	S3	135	-1379	1380	1380	.	1	989	.	166	1380	.	1
50	S3	140	-1383	1384	1384	.	1	988	.	204	1384	.	1
51	S3	150	-1395	1396	1396	.	1	979	.	138	1396	.	1
52	S4	10	-1404	1405	1404	-1	1	965	.	198	1404	.	1
53	S4	15	-1410	1411	1411	.	1	978	.	169	1411	.	1
54	S3	2	-1433	1434	1434	.	1	959	.	330	1434	.	1
55	S4	30	-1482	1483	1482	-1	1	979	.	248	1482	.	1
56	S4	40	-1508	1509	1509	.	1	988	.	284	1509	.	1
57	S5	1	-2115	2117	2117	.	1	956	.	240	2117	.	1
58	S4	50	-1546	1547	1546	-1	1	992	.	266	1546	.	1
59	S4	65	-1574	1575	1575	.	2	954	.	178	1575	.	1
60	S4	70	-1583	1584	1583	-1	1	938	.	178	1583	.	1
61	S4	85	-1710	1711	1711	.	1	948	.	149	1711	.	1
62	S4	110	-1818	1820	1818	.	1	[illegible]	.	[illegible]	1818	.	1

63	S6	1	-2390	2	2	2	.			.	2	2	.	
64	S5	15	-1864	1866	1865	-1	1	996	.	202	1865	.	1
65	S5	2	-1904	1906	1905	-1	1	989	.	244	1905	.	1
66	S5	40	-2015	2016	2016	.	1	997	.	149	2016	.	1
67	S5	50	-2112	2113	2114	1	2	998	.	228	2113	-1	1
68	S5	55	-2113	2114	2115	1	1	987	.	252	2115	.	1
69	S5	60	-2121	2122	2123	1	2	996	.	228	2123	.	1
70	S5	65	-2140	2141	2141	.	1	994	.	149	2141	.	1
71	S6	10	-2259	2260	2260	.	1	998	.	149	2260	.	1
72	S6	15	-2323	2324	2324	.	2	987	.	252	2324	.	1
73	S6	25	-2328	2329	2329	.	2	995	.	252	2329	.	1
74	S6	35	-2381	2382	2382	.	2	991	.	252	2382	.	1
75	S6	55	-2593	2595	2596	1	1	965	.	276	2595	-1	1
76	S6	60	-2597	2599	2597	-2	1	973	.	278	2597	.	1
77	S6	65	-2650	2652	2652	.	1	991	.	276	2652	.	1

Quantitation Report File: STDU007

Data: STDU557.TI
06/03/88 15:32:00
Sample: CLP,STDU,,SSTD050,,,,BNA,CAL
Conds.:
Formula: Instrument: 4500 Weight: 0.000
Submitted by: RMAL Analyst: KS Acct. No.:

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

No	Name				
1	CI30	1,4-DICHLOROBENZENE-D4	152	IS1# 01	3855-82-1
2	CS50	2-FLUOROPHENOL	112	SS1# 02	367-12-4
3	CS45	PHENOL-D5	99	SS1# 03	4165-62-2
4	C315	PHENOL	94	S1#105CC	108-95-2
5	C325	BIS(2-CHLOROETHYL)ETHER	93	S1#110	111-44-4
6	C330	2-CHLOROPHENOL	128	S2#115	95-57-8
7	C335	1,3-DICHLOROBENZENE	146	S1#125	541-73-1
8	CI40	NAPHTHALENE-D8	136	IS2# 01	1146-65-2
9	CI50	ACENAPHTHENE-D10	164	IS3# 01	15067-26-2
10	C340	1,4-DICHLOROBENZENE	146	S1#130CC	106-46-7
11	C345	BENZYL ALCOHOL	108	S1#145	100-51-6
12	C350	1,2-DICHLOROBENZENE	146	S1#150	95-50-1
13	C355	2-METHYLPHENOL	108	S1#160	95-48-7
14	C360	BIS(2-CHLOROISOPROPYL)E	45	S1#165	108-60-1
15	C365	4-METHYLPHENOL	108	S1#185	106-44-5
16	C370	N-NITROSO-DI-N-PROPYLAM	70	S1#190SP	621-64-7
17	C375	HEXACHLOROETHANE	117	S1#200	67-72-1
18	CS20	NITROBENZENE-D5	82	SS2# 02	4165-60-0
19	C410	NITROBENZENE	77	S2# 10	98-95-3
20	C415	ISOPHORONE	82	S2# 20	75-59-1
21	C420	2-NITROPHENOL	139	S2# 25CC	88-75-5
22	C425	2,4-DIMETHYLPHENOL	107	S2# 30	105-67-9
23	C435	BIS(2-CHLOROETHOXY)METH	93	S2# 35	111-91-1
24	C430	BENZOIC ACID	122	S2# 45	65-85-0
25	C440	2,4-DICHLOROPHENOL	162	S2# 40	120-83-2
26	C445	1,2,4-TRICHLOROBENZENE	180	S2# 55	120-82-1
27	C450	NAPHTHALENE	128	S2# 60	91-20-3
28	C455	4-CHLOROANALINE	127	S2# 80	106-47-8
29	C460	HEXACHLOROBUTADIENE	225	S2# 95CC	87-68-3
30	C465	4-CHLORO-3-METHYLPHENO	107	S2#130CC	59-50-7
31	C470	2-METHYLNAPHTHALENE	142	S2#145	91-57-6
32	C510	HEXACHLOROCYCLOPENTADI	237	S3# 20	77-47-4
33	C515	2,4,6-TRICHLOROPHENOL	196	S3# 25CC	88-06-2
34	CI60	PHENANTHRENE-D10	188	IS4# 01	1517-22-2
35	C520	2,4,5-TRICHLOROPHENOL	196	S3# 30	95-95-4
36	CS25	2-FLUOROBIPHENYL	172	SS3# 03	321-60-8
37	C525	2-CHLORONAPHTHALENE	162	S3# 40	91-58-7
38	C530	2-NITROANALINE	65	S3# 45	88-74-4
39	C535	DIMETHYLPHTHALATE	163	S3# 55	131-11-3
40	C540	ACENAPHTHYLENE	152	S3# 65	208-96-8
41	C543	2,6-DINITROTOLUENE	165	S3# 70	606-20-2
42	C545	3-NITROANILINE	138	S3# 75	99-09-2
43	C550	ACENAPHTHENE	153	S3# 80CC	83-32-9
44	C555	2,4-DINITROPHENOL	184	S3# 85SP	51-28-5
45	C560	4-NITROPHENOL	109	S3# 95SP	100-02-7
46	C565	DIBENZOFURAN	168	S3# 90	132-64-9
47	C570	2,4-DINITROTOLUENE	165	S3#105	121-14-2

No	Name				
48	C580	DIETHYLPHTHALATE	149	S3#130	84-66-2
49	C590	FLUORENE	166	S3#135	86-73-7
50	C585	4-CHLOROPHENYL-PHENYLE	204	S3#140	7005-72-3

No	m/z	Scan	Time	Ref	RRT	Meth	Area(hght)	Amount		%Tot
1	152	682	8:31	1	1.000	A BB	18062.	40.000	UG/ML	1.02
2	112	485	6:04	1	0.711	A BB	60999.	95.996	UG/ML	2.44
3	99	634	7:55	1	0.930	A BB	75949.	96.614	UG/ML	2.45
4	94	636	7:57	1	0.933	A BV	42705.	46.700	UG/ML	1.19
5	93	648	8:06	1	0.950	A VB	34214.	47.831	UG/ML	1.21
6	128	652	8:09	1	0.956	A BB	31065.	46.259	UG/ML	1.17
7	146	676	8:27	1	0.991	A BV	35115.	49.535	UG/ML	1.26
8	136	918	11:28	8	1.000	A BB	58801.	40.000	UG/ML	1.02
9	164	1271	15:53	9	1.000	A BB	26315.	40.000	UG/ML	1.02
10	146	685	8:34	1	1.004	A VV	36322.	49.142	UG/ML	1.25
11	108	714	8:55	1	1.047	A BV	16982.	45.942	UG/ML	1.17
12	146	718	8:58	1	1.053	A BB	33645.	48.989	UG/ML	1.24
13	108	737	9:13	1	1.081	A BV	25425.	47.835	UG/ML	1.21
14	45	743	9:17	1	1.089	A BB	61639.	51.902	UG/ML	1.32
15	108	764	9:33	1	1.120	A BB	26212.	46.675	UG/ML	1.18
16	70	769	9:37	1	1.128	A BB	23071.	48.735	UG/ML	1.24
17	117	772	9:39	1	1.132	A BB	13239.	49.016	UG/ML	1.24
18	82	788	9:51	8	0.858	A BB	30382.	52.625	UG/ML	1.34
19	77	791	9:53	8	0.862	A BB	31064.	51.895	UG/ML	1.32
20	82	836	10:27	8	0.911	A BB	56829.	51.533	UG/ML	1.31
21	139	850	10:37	8	0.926	A BB	16761.	51.873	UG/ML	1.32
22	107	863	10:47	8	0.940	A BV	22088.	49.959	UG/ML	1.27
23	93	882	11:01	8	0.961	A BB	34175.	51.117	UG/ML	1.30
24	122	893	11:10	8	0.973	A BB	13070.	55.118	UG/ML	1.40
25	162	895	11:11	8	0.975	A BB	22658.	53.269	UG/ML	1.35
26	180	911	11:23	8	0.992	A BB	24847.	54.925	UG/ML	1.39
27	128	922	11:31	8	1.004	A BB	81335.	50.624	UG/ML	1.28
28	127	939	11:44	8	1.023	A BB	32281.	51.132	UG/ML	1.30
29	225	960	12:00	8	1.046	A BB	11873.	61.705	UG/ML	1.57
30	107	1038	12:58	8	1.131	A BB	19509.	49.331	UG/ML	1.25
31	142	1058	13:13	8	1.153	A BB	47719.	51.212	UG/ML	1.30
32	237	1105	13:49	9	0.869	A BB	9521.	57.365	UG/ML	1.46
33	196	1122	14:01	9	0.883	A BV	13625.	53.542	UG/ML	1.36
34	188	1570	19:37	34	1.000	A BB	38706.	40.000	UG/ML	1.02
35	196	1128	14:06	9	0.887	A VB	14441.	51.790	UG/ML	1.31
36	172	1139	14:14	9	0.896	A BB	49059.	52.309	UG/ML	1.33
37	162	1155	14:26	9	0.909	A BB	44705.	51.113	UG/ML	1.30
38	65	1185	14:49	9	0.932	A BB	15319.	49.960	UG/ML	1.27
39	163	1233	15:25	9	0.970	A BB	45778.	48.104	UG/ML	1.22
40	152	1239	15:29	9	0.975	A BB	65766.	49.473	UG/ML	1.26
41	165	1245	15:34	9	0.980	A BB	11247.	46.782	UG/ML	1.19
42	138	1270	15:52	9	0.999	A BV	12025.	44.084	UG/ML	1.12
43	153	1278	15:58	9	1.006	A BB	39925.	49.828	UG/ML	1.26
44	184	1290	16:07	9	1.015	A BB	5800.	69.693	UG/ML	1.77
45	109	1307	16:20	9	1.028	A BB	4609.	45.516	UG/ML	1.16
46	168	1310	16:22	9	1.031	A BB	57465.	50.933	UG/ML	1.29
47	165	1322	16:31	9	1.040	A BB	13687.	48.999	UG/ML	1.24
48	149	1378	17:13	9	1.084	A BB	46572.	49.799	UG/ML	1.26
49	166	1380	17:15	9	1.086	A BB	44285.	50.374	UG/ML	1.28
50	204	1384	17:18	9	1.089	A BB	19586.	52.280	UG/ML	1.33

No	Ret(L)	Ratio	RRT(L)	Ratio	Amnt	Amnt(L)	R.Fac	R.Fac(L)	Ratio
1	8:31	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
2	6:03	1.00	0.710	1.00	96.00	100.00	1.351	1.407	0.96
3	7:55	1.00	0.928	1.00	96.61	100.00	1.682	1.741	0.97
4	7:56	1.00	0.931	1.00	46.70	50.00	1.891	2.025	0.93
5	8:05	1.00	0.949	1.00	47.83	50.00	1.515	1.584	0.96
6	8:08	1.00	0.955	1.00	46.26	50.00	1.376	1.487	0.93
7	8:26	1.00	0.990	1.00	49.54	50.00	1.555	1.570	0.99
8	11:28	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
9	15:53	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
10	8:34	1.00	1.004	1.00	49.14	50.00	1.609	1.637	0.98
11	8:55	1.00	1.045	1.00	45.94	50.00	0.752	0.819	0.92
12	8:58	1.00	1.051	1.00	48.99	50.00	1.490	1.521	0.98
13	9:13	1.00	1.081	1.00	47.83	50.00	1.126	1.177	0.96
14	9:16	1.00	1.088	1.00	51.90	50.00	2.730	2.630	1.04
15	9:33	1.00	1.120	1.00	46.67	50.00	1.161	1.244	0.93
16	9:37	1.00	1.128	1.00	48.74	50.00	1.022	1.048	0.97
17	9:39	1.00	1.132	1.00	49.02	50.00	0.586	0.598	0.98
18	9:50	1.00	0.857	1.00	52.63	50.00	0.413	0.393	1.05
19	9:53	1.00	0.862	1.00	51.89	50.00	0.423	0.407	1.04
20	10:27	1.00	0.911	1.00	51.53	50.00	0.773	0.750	1.03
21	10:37	1.00	0.926	1.00	51.87	50.00	0.228	0.220	1.04
22	10:47	1.00	0.940	1.00	49.96	50.00	0.301	0.301	1.00
23	11:01	1.00	0.961	1.00	51.12	50.00	0.465	0.455	1.02
24	11:10	1.00	0.973	1.00	55.12	50.00	0.178	0.161	1.10
25	11:11	1.00	0.975	1.00	53.27	50.00	0.308	0.289	1.07
26	11:23	1.00	0.992	1.00	54.93	50.00	0.338	0.308	1.10
27	11:31	1.00	1.004	1.00	50.62	50.00	1.107	1.093	1.01
28	11:44	1.00	1.023	1.00	51.13	50.00	0.439	0.429	1.02
29	12:00	1.00	1.046	1.00	61.71	50.00	0.162	0.131	1.23
30	12:58	1.00	1.130	1.00	49.33	50.00	0.265	0.269	0.99
31	13:13	1.00	1.153	1.00	51.21	50.00	0.649	0.634	1.02
32	13:48	1.00	0.869	1.00	57.37	50.00	0.289	0.252	1.15
33	14:01	1.00	0.882	1.00	53.54	50.00	0.414	0.387	1.07
34	19:37	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
35	14:05	1.00	0.887	1.00	51.79	50.00	0.439	0.424	1.04
36	14:13	1.00	0.895	1.00	52.31	50.00	1.491	1.426	1.05
37	14:25	1.00	0.908	1.00	51.11	50.00	1.359	1.329	1.02
38	14:49	1.00	0.932	1.00	49.96	50.00	0.466	0.466	1.00
39	15:24	1.00	0.969	1.00	48.10	50.00	1.392	1.447	0.96
40	15:28	1.00	0.974	1.00	49.47	50.00	1.999	2.021	0.99
41	15:33	1.00	0.979	1.00	46.78	50.00	0.342	0.365	0.94
42	15:52	1.00	0.998	1.00	44.08	50.00	0.366	0.415	0.88
43	15:58	1.00	1.005	1.00	49.83	50.00	1.214	1.218	1.00
44	16:07	1.00	1.014	1.00	69.69	50.00	0.176	0.127	1.39
45	16:19	1.00	1.028	1.00	45.52	50.00	0.140	0.154	0.91
46	16:22	1.00	1.031	1.00	50.93	50.00	1.747	1.715	1.02
47	16:31	1.00	1.040	1.00	49.00	50.00	0.416	0.425	0.98
48	17:13	1.00	1.084	1.00	49.80	50.00	1.416	1.422	1.00
49	17:14	1.00	1.085	1.00	50.37	50.00	1.346	1.336	1.01
50	17:17	1.00	1.088	1.00	52.28	50.00	0.595	0.569	1.05

Quantitation Report File: STDU557

Data: STDU557.TI
06/03/88 15:32:00
Sample: CLP,STDU,,SSTD050,,,,BNA,CAL
Conds.:
Formula: Instrument: 4500 Weight: 0.000
Submitted by: RMAL Analyst: KS Acct. No.:

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

No	Name				
51	C595	4-NITROANALINE	138	S3#150	100-01-6
52	C610	4,6-DINITRO-2-METHYLPH	198	S4# 10	534-52-1
53	C615	N-NITROSODIPHENYLAMINE	169	S4# 15CC	87-30-6
54	C555	2,4,6-TRIBROMOPHENOL	330	S53# 02	118-79-6
55	C625	4-BROMOPHENYL-PHENYLET	248	S4# 30	101-55-3
56	C630	HEXACHLOROBENZENE	284	S4# 40	118-74-1
57	CI70	CHRYSENE-D12	240	I55# 01	1719-03-5
58	C635	PENTACHLOROPHENOL	266	S4# 50	87-86-5
59	C640	PHENANTHRENE	178	S4# 65	85-01-8
60	C645	ANTHRACENE	178	S4# 70	120-12-7
61	C650	DI-N-BUTYLPHTHALATE	149	S4# 85	84-74-2
62	C655	FLUORANTHENE	202	S4#110CC	206-44-0
63	CI75	PERYLENE-D12	164	I56# 01	1520-96-3
64	C715	PYRENE	202	S5# 15	129-00-0
65	CS30	TERPHENYL-D14	244	S55# 02	1718-51-0
66	C720	BUTYLBENZYLPHTHALATE	149	S5# 40	85-68-7
67	C730	BENZO(A)ANTHRACENE	228	S5# 50	56-55-3
68	C725	3,3'-DICHLOROBENZIDINE	252	S5# 55	91-94-1
69	C740	CHRYSENE	228	S5# 60	218-01-9
70	C745	BIS(2-ETHYLHEXYL)PHTHA	149	S5# 65	117-81-7
71	C760	DI-N-OCTYL PHTHALATE	149	S6# 10CC	117-84-0
72	C765	BENZO(B)FLUORANTHENE	252	S6# 15	205-99-2
73	C770	BENZO(K)FLUORANTHENE	252	S6# 25	207-08-9
74	C775	BENZO(A)PYRENE	252	S6# 35	50-32-8
75	C780	INDENO(1,2,3-CD)PYRENE	276	S6# 55	193-39-5
76	C785	DIBENZ(A,H)ANTHRACENE	278	S6# 60	53-70-3
77	C790	BENZO(G,H,I)PERYLENE	276	S6# 65	191-24-2

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount	%Tot
51	138	1396	17:27	9	1.098	A BB	10278.	43.786 UG/ML	1.11
52	198	1404	17:33	34	0.894	A BB	8037.	61.307 UG/ML	1.56
53	169	1411	17:38	34	0.899	A BB	29755.	47.394 UG/ML	1.20
54	330	1434	17:55	9	1.128	A BB	6974.	105.652 UG/ML	2.68
55	248	1482	18:31	34	0.944	A BB	9244.	52.991 UG/ML	1.34
56	284	1509	18:52	34	0.961	A BB	9033.	52.013 UG/ML	1.32
57	240	2117	26:28	57	1.000	A BB	28157.	40.000 UG/ML	1.02
58	266	1546	19:19	34	0.985	A BB	6609.	52.526 UG/ML	1.33
59	178	1575	19:41	34	1.003	A BV	53030.	45.718 UG/ML	1.16
60	178	1583	19:47	34	1.008	A VB	56151.	48.866 UG/ML	1.24
61	149	1711	21:23	34	1.090	A BB	66006.	41.043 UG/ML	1.04
62	202	1819	22:44	34	1.159	A BB	48241.	49.190 UG/ML	1.25
63	264	2392	29:54	63	1.000	A BB	32932.	40.000 UG/ML	1.02
64	202	1865	23:19	57	0.881	A BB	47900.	38.941 UG/ML	0.99
65	244	1905	23:49	57	0.900	A BB	30180.	41.255 UG/ML	1.05
66	149	2016	25:12	57	0.952	A BB	25631.	37.471 UG/ML	0.95

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount		%Tot
67	228	2113	26:25	57	0.998	A BV	42503.	48.399	UG/ML	1.23
68	252	2115	26:26	57	0.999	A BB	28900.	103.144	UG/ML	2.62
69	228	2123	26:32	57	1.003	A VB	36750.	47.674	UG/ML	1.22
70	149	2141	26:46	57	1.011	A BB	36637.	38.534	UG/ML	0.98
71	149	2260	28:15	63	0.945	A BB	64234.	37.495	UG/ML	0.95
72	252	2324	29:03	63	0.972	A BV	48613.	48.156	UG/ML	1.22
73	252	2329	29:07	63	0.974	A VB	49509.	53.721	UG/ML	1.36
74	252	2382	29:46	63	0.996	A BV	51462.	49.681	UG/ML	1.26
75	276	2595	32:26	63	1.085	A BB	64080.	42.641	UG/ML	1.08
76	278	2597	32:28	63	1.086	A BB	53372.	43.571	UG/ML	1.11
77	276	2652	33:09	63	1.109	A BB	53080.	39.152	UG/ML	0.99

No	Ret(L)	Ratio	RRT(L)	Ratio	Amnt	Amnt(L)	R.Fac	R.Fac(L)	Ratio
51	17:26	1.00	1.098	1.00	43.79	50.00	0.312	0.357	0.88
52	17:33	1.00	0.895	1.00	61.31	50.00	0.166	0.135	1.23
53	17:37	1.00	0.899	1.00	47.39	50.00	0.615	0.649	0.95
54	17:55	1.00	1.127	1.00	105.65	100.00	0.106	0.100	1.06
55	18:31	1.00	0.945	1.00	52.99	50.00	0.191	0.180	1.06
56	18:51	1.00	0.961	1.00	52.01	50.00	0.187	0.179	1.04
57	26:27	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
58	19:19	1.00	0.985	1.00	52.53	50.00	0.137	0.130	1.05
59	19:40	1.00	1.003	1.00	45.72	50.00	1.096	1.199	0.91
60	19:47	1.00	1.009	1.00	48.87	50.00	1.161	1.187	0.98
61	21:22	1.00	1.090	1.00	41.04	50.00	1.364	1.662	0.82
62	22:44	1.00	1.159	1.00	49.19	50.00	0.997	1.013	0.98
63	29:53	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
64	23:18	1.00	0.881	1.00	38.94	50.00	1.361	1.747	0.78
65	23:48	1.00	0.900	1.00	41.25	50.00	0.857	1.039	0.83
66	25:11	1.00	0.952	1.00	37.47	50.00	0.728	0.972	0.75
67	26:24	1.00	0.998	1.00	48.40	50.00	1.208	1.248	0.97
68	26:25	1.00	0.999	1.00	103.14	100.00	0.411	0.398	1.03
69	26:31	1.00	1.002	1.00	47.87	50.00	1.044	1.091	0.96
70	26:45	1.00	1.011	1.00	38.53	50.00	1.041	1.351	0.77
71	28:14	1.00	0.945	1.00	37.50	50.00	1.560	2.081	0.75
72	29:02	1.00	0.972	1.00	48.16	50.00	1.181	1.226	0.96
73	29:06	1.00	0.974	1.00	53.72	50.00	1.203	1.119	1.07
74	29:46	1.00	0.996	1.00	49.68	50.00	1.250	1.258	0.99
75	32:25	1.00	1.084	1.00	42.64	50.00	1.557	1.825	0.85
76	32:28	1.00	1.086	1.00	43.57	50.00	1.297	1.488	0.87
77	33:07	1.00	1.108	1.00	39.15	50.00	1.289	1.647	0.78

[illegible]

RMAL QUANTITATION SUMMARY FILE: STDU037
COMPOUNDS WITH AMOUNTS LESS THAN 1.00 REPORTED AS NOT FOUND

UNITS: UG/ML

NO	LIBRARY ENTRY	NAME	MASS	SCAN	REF	AREA	RRF	AMOUNT
1	S1# 1	CI30 1,4-DICHLOROBENZENE	152	682	1	18062.	1.000	40.000
2	S2# 1	CI40 NAPHTHALENE-D8	136	918	2	58801.	1.000	40.000
3	S3# 1	CI50 ACENAPHTHENE-D10	164	1271	3	26315.	1.000	40.000
4	S4# 1	CI60 PHENANTHRENE-D10	188	1570	4	38706.	1.000	40.000
5	S5# 1	CI70 CHRYSENE-D12	240	2117	5	28157.	1.000	40.000
6	S6# 1	CI75 PERYLENE-D12	264	2392	6	32932.	1.000	40.000
7	S2# 2	CS20 NITROBENZENE-D5	82	788	2	30382.	0.413	52.626
8	S3# 3	CS25 2-FLUOROBIPHENYL	172	1139	3	49059.	1.491	52.308
9	S5# 2	CS30 TERPHENYL-D14	244	1905	5	30180.	0.857	41.255
10	S1# 3	CS45 PHENOL-D5	99	634	1	75949.	1.682	96.614
11	S1# 2	CS50 2-FLUOROPHENOL	112	485	1	60999.	1.351	95.996
12	S3# 2	CS55 2,4,6-TRIBROMOPHENO	330	1434	3	6974.	0.106	105.652
13	S1#105	C315 PHENOL	94	636	1	42705.	1.891	46.700
14	S1#110	C325 BIS(2-CHLOROETHYL)E	93	648	1	34214.	1.515	47.832
15	S1#115	C330 2-CHLOROPHENOL	128	652	1	31065.	1.376	46.259
16	S1#125	C335 1,3-DICHLOROBENZENE	146	676	1	35115.	1.555	49.535
17	S1#130	C340 1,4-DICHLOROBENZENE	146	685	1	36322.	1.609	49.142
18	S1#145	C345 BENZYL ALCOHOL	108	714	1	16982.	0.752	45.942
19	S1#150	C350 1,2-DICHLOROBENZENE	146	718	1	33645.	1.490	48.986
20	S1#160	C355 2-METHYLPHENOL	108	737	1	25425.	1.126	47.835
21	S1#165	C360 BIS(2-CHLOROISOPROP	45	743	1	61639.	2.730	51.902
22	S1#185	C365 4-METHYLPHENOL	108	764	1	26213.	1.161	46.675
23	S1#190	C370 N-NITROSO-DI-N-PROP	70	769	1	23071.	1.022	48.735
24	S1#200	C375 HEXACHLOROETHANE	117	772	1	13239.	0.586	49.016
25	S2# 10	C410 NITROBENZENE	77	791	2	31064.	0.423	51.895
26	S2# 20	C415 ISOPHORONE	82	836	2	56829.	0.773	51.533
27	S2# 25	C420 2-NITROPHENOL	139	850	2	16761.	0.228	51.873
28	S2# 30	C425 2,4-DIMETHYLPHENOL	107	863	2	22088.	0.301	49.959
29	S2# 35	C435 BIS(2-CHLOROETHOXY)	93	882	2	34175.	0.465	51.117
30	S2# 40	C440 2,4-DICHLOROPHENOL	162	895	2	22658.	0.308	53.269
31	S2# 45	C430 BENZOIC ACID	122	893	2	13070.	0.178	55.118
32	S2# 55	C445 1,2,4-TRICHLOROBENZ	180	911	2	24847.	0.338	54.925
33	S2# 60	C450 NAPHTHALENE	128	922	2	81335.	1.107	50.624
34	S2# 80	C455 4-CHLOROANALINE	127	939	2	32281.	0.439	51.132
35	S2# 95	C460 HEXACHLOROBUTADIENE	225	960	2	11873.	0.162	61.705
36	S2#130	C465 4-CHLORO-3-METHYLPH	107	1038	2	19509.	0.265	49.331
37	S2#145	C470 2-METHYLNAPHTHALENE	142	1058	2	47719.	0.649	51.212
38	S3# 20	C510 HEXACHLOROCYCLOPENT	237	1105	3	9521.	0.289	57.365
39	S3# 25	C515 2,4,6-TRICHLOROPHEN	196	1122	3	13625.	0.414	53.542
40	S3# 30	C520 2,4,5-TRICHLOROPHEN	196	1128	3	14441.	0.439	51.790
41	S3# 40	C525 2-CHLORONAPHTHALENE	162	1155	3	44705.	1.359	51.113
42	S3# 45	C530 2-NITROANALINE	65	1185	3	15319.	0.466	49.960
43	S3# 55	C535 DIMETHYLPHTHALATE	163	1233	3	45778.	1.392	48.104
44	S3# 65	C540 ACENAPHTHYLENE	152	1239	3	65766.	1.999	49.473
45	S3# 70	C543 2,6-DINITROTOLUENE	165	1245	3	11247.	0.342	46.782
46	S3# 75	C545 3-NITROANILINE	138	1270	3	12025.	0.366	44.084
47	S3# 80	C550 ACENAPHTHENE	153	1278	3	39925.	1.214	49.828
48	S3# 85	C555 2,4-DINITROPHENOL	184	1290	3	5800.	0.176	69.693
49	S3# 90	C565 DIBENZOFURAN	168	1310	3	57465.	1.747	50.933
50	S3# 95	C560 4-NITROPHENOL	109	1307	3	4609.	0.140	45.516
51	S3#105	C570 2,4-DINITROTOLUENE	165	1322	3	13687.	0.416	48.999
52	S3#130	C580 DIETHYLPHTHALATE	149	1378	3	46572.	1.416	49.799
53	S3#135	C590 FLUORENE	166	1380	3	44285.	1.346	50.374
54	S3#140	C585 4-CHLOROPHENYL-PHEN	204	1384	3	19586.	0.595	52.280
55	S3#150	C595 4-NITROANALINE	138	1396	3	10278.	0.312	43.786
56	S4# 10	C610 4,6-DINITRO-2-METHY	198	1404	4	8037.	0.166	61.307
57	S4# 15	C615 N-NITROSODIPHENYLAM	169	1411	4	29755.	0.615	47.394
58	S4# 30	C625 4-BROMOPHENYL-PHENY	248	1482	4	9244.	0.191	52.991
59	S4# 40	C630 HEXACHLOROBENZENE	284	1509	4	9033.	0.187	52.013
60	S4# 50	C635 PENTACHLOROPHENOL	266	1546	4	6609.	0.137	52.526
61	S4# 65	C640 PHENANTHRENE	178	1575	4	53030.	1.096	45.718
62	S4# 70	C645 ANTHRACENE	178	1583	4	56151.	1.161	48.866
63	S4# 85	C650 DI-N-BUTYLPHTHALATE	149	1711	4	66006.	1.364	41.043
64	S4#110	C655 FLUORANTHENE	202	1819	4	48241.	0.997	49.190
65	S5# 15	C715 PYRENE	202	1865	5	47900.	1.361	38.941
66	S5# 40	C720 BUTYLBENZYLPHTHALAT	149	2016	5	15631.	0.728	37.471
67	S5# 50	C730 BENZO(A)ANTHRACENE	228	2113	5	42503.	1.208	48.399
68	S5# 55	C725 3,3'-DICHLOROBENZID	252	2115	5	28903.	0.411	103.144
69	S5# 60	C740 CHRYSENE	228	2123	5	36750.	1.044	47.874
70	S5# 65	C745 BIS(2-ETHYLHEXYL)PH	149	2141	5	36637.	1.041	38.534
71	S5# 10	C740 DI-N-OCTYLPHTHALAT	149	[illegible]	5	[illegible]	[illegible]	[illegible]

72	S6#	15	C765	B NZU(				4 .	1.[illegible]	.
73	S6#	25	C770	BENZO(K)FLUORANTHEN	252	2329	6	49509.	1.203	53.721
74	S6#	35	C775	BENZO(A)PYRENE	252	2382	6	51462.	1.250	49.681
75	S6#	55	C780	INDENO(1,2,3-CD)PYR	276	2595	6	64080.	1.557	42.641
76	S6#	60	C785	DIBENZ(A,H)ANTHRACE	278	2597	6	53372.	1.297	43.571
77	S6#	65	C790	BENZO(G,H,I)PERYLEN	276	2652	6	53080.	1.289	39.152

Quantitation Report File: STDU557

Data: STDU557.TI
06/03/88 15:32:00
Sample: CLP,STDU,,SSTD050,,,,BNA,CAL
Conds.:
Formula: Instrument: 4500 Weight: 0.000
Submitted by: RMAL Analyst: KS Acct. No.:

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

No	Name				
1	CI30	1,4-DICHLOROBENZENE-D4	152	IS1# 01	3855-82-1
2	CI40	NAPHTHALENE-D8	136	IS2# 01	1146-65-2
3	CI50	ACENAPHTHENE-D10	164	IS3# 01	15067-26-2
4	CI60	PHENANTHRENE-D10	188	IS4# 01	1517-22-2
5	CI70	CHRYSENE-D12	240	IS5# 01	1719-03-5
6	CI75	PERYLENE-D12	164	IS6# 01	1520-96-3
7	CS20	NITROBENZENE-D5	82	SS2# 02	4165-60-0
8	CS25	2-FLUOROBIPHENYL	172	SS3# 03	321-60-8
9	CS30	TERPHENYL-D14	244	SS5# 02	1718-51-0
10	CS45	PHENOL-D5	99	SS1# 03	4165-62-2
11	CS50	2-FLUOROPHENOL	112	SS1# 02	367-12-4
12	CS55	2,4,6-TRIBROMOPHENOL	330	SS3# 02	118-79-6
13	C315	PHENOL	94	S1#105CC	108-95-2
14	C325	BIS(2-CHLOROETHYL)ETHER	93	S1#110	111-44-4
15	C330	2-CHLOROPHENOL	128	S2#115	95-57-8
16	C335	1,3-DICHLOROBENZENE	146	S1#125	541-73-1
17	C340	1,4-DICHLOROBENZENE	146	S1#130CC	106-46-7
18	C345	BENZYL ALCOHOL	108	S1#145	100-51-6
19	C350	1,2-DICHLOROBENZENE	146	S1#150	95-50-1
20	C355	2-METHYLPHENOL	108	S1#160	95-48-7
21	C360	BIS(2-CHLOROISOPROPYL)E	45	S1#165	108-60-1
22	C365	4-METHYLPHENOL	108	S1#185	106-44-5
23	C370	N-NITROSO-DI-N-PROPYLAM	70	S1#190SP	621-64-7
24	C375	HEXACHLOROETHANE	117	S1#200	67-72-1
25	C410	NITROBENZENE	77	S2# 10	98-95-3
26	C415	ISOPHORONE	82	S2# 20	75-59-1
27	C420	2-NITROPHENOL	139	S2# 25CC	88-75-5
28	C425	2,4-DIMETHYLPHENOL	107	S2# 30	105-67-9
29	C435	BIS(2-CHLOROETHOXY)METH	93	S2# 35	111-91-1
30	C440	2,4-DICHLOROPHENOL	162	S2# 40	120-83-2
31	C430	BENZOIC ACID	122	S2# 45	65-85-0
32	C445	1,2,4-TRICHLOROBENZENE	180	S2# 55	120-82-1
33	C450	NAPHTHALENE	128	S2# 60	91-20-3
34	C455	4-CHLOROANALINE	127	S2# 80	106-47-8
35	C460	HEXACHLOROBUTADIENE	225	S2# 95CC	87-68-3
36	C465	4-CHLORO-3-METHYLPHENO	107	S2#130CC	59-50-7
37	C470	2-METHYLNAPHTHALENE	142	S2#145	91-57-6
38	C510	HEXACHLOROCYCLOPENTADI	237	S3# 20	77-47-4
39	C515	2,4,6-TRICHLOROPHENOL	196	S3# 25CC	88-06-2
40	C520	2,4,5-TRICHLOROPHENOL	196	S3# 30	95-95-4
41	C525	2-CHLORONAPHTHALENE	162	S3# 40	91-58-7
42	C530	2-NITROANALINE	65	S3# 45	88-74-4
43	C535	DIMETHYLPHTHALATE	163	S3# 55	131-11-3
44	C540	ACENAPHTHYLENE	152	S3# 65	208-96-8
45	C543	2,6-DINITROTOLUENE	165	S3# 70	606-20-2
46	C545	3-NITROANILINE	138	S3# 75	99-09-2
47	C550	ACENAPHTHENE	153	S3# 80CC	83-32-9

No	Name				
48	C555	2,4-DINITROPHENOL	184	S3# 85SP	51-28-5
49	C565	DIBENZOFURAN	168	S3# 90	132-64-9
50	C560	4-NITROPHENOL	109	S3# 95SP	100-02-7

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount		%Tot
1	152	682	8:31	1	1.000	M XX	17886.	40.000	UG/ML	1.00
2	136	918	11:28	2	1.000	A BB	58801.	40.000	UG/ML	1.00
3	164	1271	15:53	3	1.000	A BB	26315.	40.000	UG/ML	1.00
4	188	1570	19:37	4	1.000	A BB	38706.	40.000	UG/ML	1.00
5	240	2117	26:28	5	1.000	A BB	28157.	40.000	UG/ML	1.00
6	264	2392	29:54	6	1.000	M XX	29004.	40.000	UG/ML	1.00
7	82	788	9:51	2	0.858	A BB	30382.	50.000	UG/ML	1.25
8	172	1139	14:14	3	0.896	A BB	49059.	50.000	UG/ML	1.25
9	244	1905	23:49	5	0.900	A BB	30180.	50.000	UG/ML	1.25
10	99	634	7:55	1	0.930	A BB	75949.	100.000	UG/ML	2.51
11	112	485	6:04	1	0.711	A BB	60999.	100.000	UG/ML	2.51
12	330	1434	17:55	3	1.128	A BB	6974.	100.000	UG/ML	2.51
13	94	636	7:57	1	0.933	A BV	42705.	50.000	UG/ML	1.25
14	93	648	8:06	1	0.950	A VB	34214.	50.000	UG/ML	1.25
15	128	652	8:09	1	0.956	A BB	31065.	50.000	UG/ML	1.25
16	146	676	8:27	1	0.991	A BV	35115.	50.000	UG/ML	1.25
17	146	685	8:34	1	1.004	A VV	36322.	50.000	UG/ML	1.25
18	108	714	8:55	1	1.047	A BV	16982.	50.000	UG/ML	1.25
19	146	718	8:58	1	1.053	A BB	33645.	50.000	UG/ML	1.25
20	108	737	9:13	1	1.081	A BV	25425.	50.000	UG/ML	1.25
21	45	743	9:17	1	1.089	A BB	61639.	50.000	UG/ML	1.25
22	108	764	9:33	1	1.120	A BB	26213.	50.000	UG/ML	1.25
23	70	769	9:37	1	1.128	A BB	23071.	50.000	UG/ML	1.25
24	117	772	9:39	1	1.132	A BB	13239.	50.000	UG/ML	1.25
25	77	791	9:53	2	0.862	A BB	31064.	50.000	UG/ML	1.25
26	82	836	10:27	2	0.911	A BB	56829.	50.000	UG/ML	1.25
27	139	850	10:37	2	0.926	A BB	16761.	50.000	UG/ML	1.25
28	107	863	10:47	2	0.940	A BV	22088.	50.000	UG/ML	1.25
29	93	882	11:01	2	0.961	A BB	34175.	50.000	UG/ML	1.25
30	162	895	11:11	2	0.975	A BB	22658.	50.000	UG/ML	1.25
31	122	893	11:10	2	0.973	A BB	13070.	50.000	UG/ML	1.25
32	180	911	11:23	2	0.992	A BB	24847.	50.000	UG/ML	1.25
33	128	922	11:31	2	1.004	A BB	81335.	50.000	UG/ML	1.25
34	127	939	11:44	2	1.023	A BB	32281.	50.000	UG/ML	1.25
35	225	960	12:00	2	1.046	A BB	11873.	50.000	UG/ML	1.25
36	107	1038	12:58	2	1.131	A BB	19509.	50.000	UG/ML	1.25
37	142	1058	13:13	2	1.153	A BB	47719.	50.000	UG/ML	1.25
38	237	1105	13:49	3	0.869	A BB	9521.	50.000	UG/ML	1.25
39	196	1122	14:01	3	0.883	A BV	13625.	50.000	UG/ML	1.25
40	196	1128	14:06	3	0.887	A VB	14441.	50.000	UG/ML	1.25
41	162	1155	14:26	3	0.909	A BB	44705.	50.000	UG/ML	1.25
42	65	1185	14:49	3	0.932	A BB	15319.	50.000	UG/ML	1.25
43	163	1233	15:25	3	0.970	A BB	45778.	50.000	UG/ML	1.25
44	152	1239	15:29	3	0.975	A BB	65766.	50.000	UG/ML	1.25
45	165	1245	15:34	3	0.980	A BB	11247.	50.000	UG/ML	1.25
46	138	1270	15:52	3	0.999	A BV	12025.	50.000	UG/ML	1.25
47	153	1278	15:58	3	1.006	A BB	39925.	50.000	UG/ML	1.25
48	184	1290	16:07	3	1.015	A BB	5800.	50.000	UG/ML	1.25
49	168	1310	16:22	3	1.031	A BB	57465.	50.000	UG/ML	1.25
50	109	1307	16:20	3	1.028	A BB	4605.	50.000	UG/ML	1.25

No	Ret(L)	Ratio	RRT(L)	Ratio	Amnt	Amnt(L)	R.Fac	R.Fac(L)	Ratio
1	8:31	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
2	11:28	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
3	15:53	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
4	19:37	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
5	26:28	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
6	29:54	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
7	9:51	1.00	0.858	1.00	50.00	50.00	0.413	0.413	1.00
8	14:14	1.00	0.896	1.00	50.00	50.00	1.491	1.491	1.00
9	23:49	1.00	0.900	1.00	50.00	50.00	0.857	0.857	1.00
10	7:55	1.00	0.930	1.00	100.00	100.00	1.699	1.699	1.00
11	6:04	1.00	0.711	1.00	100.00	100.00	1.364	1.364	1.00
12	17:55	1.00	1.128	1.00	100.00	100.00	0.106	0.106	1.00
13	7:57	1.00	0.933	1.00	50.00	50.00	1.910	1.910	1.00
14	8:06	1.00	0.950	1.00	50.00	50.00	1.530	1.530	1.00
15	8:09	1.00	0.956	1.00	50.00	50.00	1.389	1.389	1.00
16	8:27	1.00	0.991	1.00	50.00	50.00	1.571	1.571	1.00
17	8:34	1.00	1.004	1.00	50.00	50.00	1.625	1.625	1.00
18	8:55	1.00	1.047	1.00	50.00	50.00	0.760	0.760	1.00
19	8:58	1.00	1.053	1.00	50.00	50.00	1.505	1.505	1.00
20	9:13	1.00	1.081	1.00	50.00	50.00	1.137	1.137	1.00
21	9:17	1.00	1.089	1.00	50.00	50.00	2.757	2.757	1.00
22	9:33	1.00	1.120	1.00	50.00	50.00	1.172	1.172	1.00
23	9:37	1.00	1.128	1.00	50.00	50.00	1.032	1.032	1.00
24	9:39	1.00	1.132	1.00	50.00	50.00	0.592	0.592	1.00
25	9:53	1.00	0.862	1.00	50.00	50.00	0.423	0.423	1.00
26	10:27	1.00	0.911	1.00	50.00	50.00	0.773	0.773	1.00
27	10:37	1.00	0.926	1.00	50.00	50.00	0.228	0.228	1.00
28	10:47	1.00	0.940	1.00	50.00	50.00	0.301	0.301	1.00
29	11:01	1.00	0.961	1.00	50.00	50.00	0.465	0.465	1.00
30	11:11	1.00	0.975	1.00	50.00	50.00	0.308	0.308	1.00
31	11:10	1.00	0.973	1.00	50.00	50.00	0.178	0.178	1.00
32	11:23	1.00	0.992	1.00	50.00	50.00	0.338	0.338	1.00
33	11:31	1.00	1.004	1.00	50.00	50.00	1.107	1.107	1.00
34	11:44	1.00	1.023	1.00	50.00	50.00	0.439	0.439	1.00
35	12:00	1.00	1.046	1.00	50.00	50.00	0.162	0.162	1.00
36	12:58	1.00	1.131	1.00	50.00	50.00	0.265	0.265	1.00
37	13:13	1.00	1.153	1.00	50.00	50.00	0.649	0.649	1.00
38	13:49	1.00	0.869	1.00	50.00	50.00	0.289	0.289	1.00
39	14:01	1.00	0.883	1.00	50.00	50.00	0.414	0.414	1.00
40	14:06	1.00	0.887	1.00	50.00	50.00	0.439	0.439	1.00
41	14:26	1.00	0.909	1.00	50.00	50.00	1.359	1.359	1.00
42	14:49	1.00	0.932	1.00	50.00	50.00	0.466	0.466	1.00
43	15:25	1.00	0.970	1.00	50.00	50.00	1.392	1.392	1.00
44	15:29	1.00	0.975	1.00	50.00	50.00	1.999	1.999	1.00
45	15:34	1.00	0.980	1.00	50.00	50.00	0.342	0.342	1.00
46	15:52	1.00	0.999	1.00	50.00	50.00	0.366	0.366	1.00
47	15:58	1.00	1.006	1.00	50.00	50.00	1.214	1.214	1.00
48	16:07	1.00	1.015	1.00	50.00	50.00	0.176	0.176	1.00
49	16:22	1.00	1.031	1.00	50.00	50.00	1.747	1.747	1.00
50	16:20	1.00	1.028	1.00	50.00	50.00	0.140	0.140	1.00

Quantitation Report File: STDU557

Data: STDU557.TI
06/03/88 15:32:00
Sample: CLP,STDU,,SSTD050,,,,BNA,CAL
Conds.:
Formula: Instrument: 4500 Weight: 0.000
Submitted by: RMAL Analyst: KS Acct. No.:

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

No	Name				
51	C570	2,4-DINITROTOLUENE	165	S3#105	121-14-2
52	C580	DIETHYLPHTHALATE	149	S3#130	84-66-2
53	C590	FLUORENE	166	S3#135	86-73-7
54	C585	4-CHLOROPHENYL-PHENYLE	204	S3#140	7005-72-3
55	C595	4-NITROANALINE	138	S3#150	100-01-6
56	C610	4,6-DINITRO-2-METHYLPH	198	S4# 10	534-52-1
57	C615	N-NITROSODIPHENYLAMINE	169	S4# 15CC	87-30-6
58	C625	4-BROMOPHENYL-PHENYLET	248	S4# 30	101-55-3
59	C630	HEXACHLOROBENZENE	284	S4# 40	118-74-1
60	C635	PENTACHLOROPHENOL	266	S4# 50	87-86-5
61	C640	PHENANTHRENE	178	S4# 65	85-01-8
62	C645	ANTHRACENE	178	S4# 70	120-12-7
63	C650	DI-N-BUTYLPHTHALATE	149	S4# 85	84-74-2
64	C655	FLUORANTHENE	202	S4#110CC	206-44-0
65	C715	PYRENE	202	S5# 15	129-00-0
66	C720	BUTYLBENZYLPHTHALATE	149	S5# 40	85-68-7
67	C730	BENZO(A)ANTHRACENE	228	S5# 50	56-55-3
68	C725	3,3'-DICHLOROBENZIDINE	252	S5# 55	91-94-1
69	C740	CHRYSENE	228	S5# 60	218-01-9
70	C745	BIS(2-ETHYLHEXYL)PHTHA	149	S5# 65	117-81-7
71	C760	DI-N-OCTYL PHTHALATE	149	S6# 10CC	117-84-0
72	C765	BENZO(B)FLUORANTHENE	252	S6# 15	205-99-2
73	C770	BENZO(K)FLUORANTHENE	252	S6# 25	207-08-9
74	C775	BENZO(A)PYRENE	252	S6# 35	50-32-8
75	C780	INDENO(1,2,3-CD)PYRENE	276	S6# 55	193-39-5
76	C785	DIBENZ(A,H)ANTHRACENE	278	S6# 60	53-70-3
77	C790	BENZO(G,H,I)PERYLENE	276	S6# 65	191-24-2

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount	%Tot
51	165	1322	16:31	3	1.040	A BB	13687.	50.000 UG/ML	1.25
52	149	1378	17:13	3	1.084	A BB	46572.	50.000 UG/ML	1.25
53	166	1380	17:15	3	1.086	A BB	44285.	50.000 UG/ML	1.25
54	204	1384	17:18	3	1.089	A BB	19586.	50.000 UG/ML	1.25
55	138	1396	17:27	3	1.098	A BB	10276.	50.000 UG/ML	1.25
56	198	1404	17:33	4	0.894	A BB	8037.	50.000 UG/ML	1.25
57	169	1411	17:38	4	0.899	A BB	29755.	50.000 UG/ML	1.25
58	248	1482	18:31	4	0.944	A BB	9244.	50.000 UG/ML	1.25
59	284	1509	18:52	4	0.961	A BB	9033.	50.000 UG/ML	1.25
60	266	1546	19:19	4	0.985	A BB	6609.	50.000 UG/ML	1.25
61	178	1575	19:41	4	1.003	A BV	53030.	50.000 UG/ML	1.25
62	178	1583	19:47	4	1.008	A VB	56151.	50.000 UG/ML	1.25
63	149	1711	21:23	4	1.090	A BB	66006.	50.000 UG/ML	1.25
64	202	1819	22:44	4	1.159	A BB	48241.	50.000 UG/ML	1.25
65	202	1865	23:19	5	0.881	A BB	47900.	50.000 UG/ML	1.25
66	149	2016	25:12	5	0.952	A BB	25631.	50.000 UG/ML	1.25

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount		%Tot
67	228	2113	26:25	5	0.998	A BV	42503.	50.000	UG/ML	1.25
68	252	2115	26:26	5	0.999	A BB	28903.	100.000	UG/ML	2.51
69	228	2123	26:32	5	1.003	A VB	36750.	50.000	UG/ML	1.25
70	149	2141	26:46	5	1.011	A BB	36637.	50.000	UG/ML	1.25
71	149	2260	28:15	6	0.945	A BB	64234.	50.000	UG/ML	1.25
72	252	2324	29:03	6	0.972	A BV	48612.	50.000	UG/ML	1.25
73	252	2329	29:07	6	0.974	A VB	49509.	50.000	UG/ML	1.25
74	252	2382	29:46	6	0.996	A BV	51462.	50.000	UG/ML	1.25
75	276	2595	32:26	6	1.085	A BB	64080.	50.000	UG/ML	1.25
76	278	2597	32:28	6	1.086	A BB	53372.	50.000	UG/ML	1.25
77	276	2652	33:09	6	1.109	A BB	53080.	50.000	UG/ML	1.25

No	Ret(L)	Ratio	RRT(L)	Ratio	Amnt	Amnt(L)	R.Fac	R.Fac(L)	Ratio
51	16:31	1.00	1.040	1.00	50.00	50.00	0.416	0.416	1.00
52	17:13	1.00	1.084	1.00	50.00	50.00	1.416	1.416	1.00
53	17:15	1.00	1.086	1.00	50.00	50.00	1.346	1.346	1.00
54	17:18	1.00	1.089	1.00	50.00	50.00	0.595	0.595	1.00
55	17:27	1.00	1.098	1.00	50.00	50.00	0.312	0.312	1.00
56	17:33	1.00	0.894	1.00	50.00	50.00	0.166	0.166	1.00
57	17:38	1.00	0.899	1.00	50.00	50.00	0.615	0.615	1.00
58	18:31	1.00	0.944	1.00	50.00	50.00	0.191	0.191	1.00
59	18:52	1.00	0.961	1.00	50.00	50.00	0.187	0.187	1.00
60	19:19	1.00	0.985	1.00	50.00	50.00	0.137	0.137	1.00
61	19:41	1.00	1.003	1.00	50.00	50.00	1.096	1.096	1.00
62	19:47	1.00	1.008	1.00	50.00	50.00	1.161	1.161	1.00
63	21:23	1.00	1.090	1.00	50.00	50.00	1.364	1.364	1.00
64	22:44	1.00	1.159	1.00	50.00	50.00	0.997	0.997	1.00
65	23:19	1.00	0.881	1.00	50.00	50.00	1.361	1.361	1.00
66	25:12	1.00	0.952	1.00	50.00	50.00	0.728	0.728	1.00
67	26:25	1.00	0.998	1.00	50.00	50.00	1.208	1.208	1.00
68	26:26	1.00	0.999	1.00	100.00	100.00	0.411	0.411	1.00
69	26:32	1.00	1.003	1.00	50.00	50.00	1.044	1.044	1.00
70	26:46	1.00	1.011	1.00	50.00	50.00	1.041	1.041	1.00
71	28:15	1.00	0.945	1.00	50.00	50.00	1.772	1.772	1.00
72	29:03	1.00	0.972	1.00	50.00	50.00	1.341	1.341	1.00
73	29:07	1.00	0.974	1.00	50.00	50.00	1.366	1.366	1.00
74	29:46	1.00	0.996	1.00	50.00	50.00	1.419	1.419	1.00
75	32:26	1.00	1.085	1.00	50.00	50.00	1.767	1.767	1.00
76	32:28	1.00	1.086	1.00	50.00	50.00	1.472	1.472	1.00
77	33:09	1.00	1.109	1.00	50.00	50.00	1.464	1.464	1.00

RMAL QUANTITATION SUMMARY FILE: STDU337
COMPOUNDS WITH AMOUNTS LESS THAN 1.00 REPORTED AS NOT FOUND

UNITS: UG/ML

NO	LIBRARY ENTRY	NAME	MASS	SCAN	REF	AREA	ERF	AMOUNT
1	S1# 1	CI30 1,4-DICHLOROBENZENE	152	682	1	17886.	1.000	40.000
2	S2# 1	CI40 NAPHTHALENE-D8	136	918	2	58801.	1.000	40.000
3	S3# 1	CI50 ACENAPHTHENE-D10	164	1271	3	26315.	1.000	40.000
4	S4# 1	CI60 PHENANTHRENE-D10	188	1570	4	38706.	1.000	40.000
5	S5# 1	CI70 CHRYSENE-D12	240	2117	5	28157.	1.000	40.000
6	S6# 1	CI75 PERYLENE-D12	264	2392	6	29004.	1.000	40.000
7	S2# 2	CS20 NITROBENZENE-D5	82	788	2	30382.	0.413	50.000
8	S3# 3	CS25 2-FLUOROBIPHENYL	172	1139	3	49059.	1.491	50.000
9	S5# 2	CS30 TERPHENYL-D14	244	1905	5	30180.	0.857	50.000
10	S1# 3	CS45 PHENOL-D5	99	634	1	75949.	1.699	100.000
11	S1# 2	CS50 2-FLUOROPHENOL	112	485	1	60999.	1.364	100.000
12	S3# 2	CS55 2,4,6-TRIBROMOPHENO	330	1434	3	6974.	0.106	100.000
13	S1#105	C315 PHENOL	94	636	1	42705.	1.910	50.000
14	S1#110	C325 BIS(2-CHLOROETHYL)E	93	648	1	34214.	1.530	50.000
15	S1#115	C330 2-CHLOROPHENOL	128	652	1	31065.	1.389	50.000
16	S1#125	C335 1,3-DICHLOROBENZENE	146	676	1	35115.	1.571	50.000
17	S1#130	C340 1,4-DICHLOROBENZENE	146	685	1	36322.	1.625	50.000
18	S1#145	C345 BENZYL ALCOHOL	108	714	1	16982.	0.760	50.000
19	S1#150	C350 1,2-DICHLOROBENZENE	146	718	1	33645.	1.505	50.000
20	S1#160	C355 2-METHYLPHENOL	108	737	1	25425.	1.137	50.000
21	S1#165	C360 BIS(2-CHLOROISOPROP	45	743	1	61639.	2.757	50.000
22	S1#185	C365 4-METHYLPHENOL	108	764	1	26213.	1.172	50.000
23	S1#190	C370 N-NITROSO-DI-N-PROP	70	769	1	23071.	1.032	50.000
24	S1#200	C375 HEXACHLOROETHANE	117	772	1	13239.	0.592	50.000
25	S2# 10	C410 NITROBENZENE	77	791	2	31064.	0.423	50.000
26	S2# 20	C415 ISOPHORONE	82	836	2	56829.	0.773	50.000
27	S2# 25	C420 2-NITROPHENOL	139	850	2	16761.	0.228	50.000
28	S2# 30	C425 2,4-DIMETHYLPHENOL	107	863	2	22088.	0.301	50.000
29	S2# 35	C435 BIS(2-CHLOROETHOXY)	93	882	2	34175.	0.465	50.000
30	S2# 40	C440 2,4-DICHLOROPHENOL	162	895	2	22658.	0.308	50.000
31	S2# 45	C430 BENZOIC ACID	122	893	2	13070.	0.178	50.000
32	S2# 55	C445 1,2,4-TRICHLOROBENZ	180	911	2	24847.	0.338	50.000
33	S2# 60	C450 NAPHTHALENE	128	922	2	81335.	1.107	50.000
34	S2# 80	C455 4-CHLOROANALINE	127	939	2	32281.	0.439	50.000
35	S2# 95	C460 HEXACHLOROBUTADIENE	225	960	2	11873.	0.162	50.000
36	S2#130	C465 4-CHLORO-3-METHYLPH	107	1038	2	19509.	0.265	50.000
37	S2#145	C470 2-METHYLNAPHTHALENE	142	1058	2	47719.	0.649	50.000
38	S3# 20	C510 HEXACHLOROCYCLOPENT	237	1105	3	9521.	0.289	50.000
39	S3# 25	C515 2,4,6-TRICHLOROPHEN	196	1122	3	13625.	0.414	50.000
40	S3# 30	C520 2,4,5-TRICHLOROPHEN	196	1128	3	14441.	0.439	50.000
41	S3# 40	C525 2-CHLORONAPHTHALENE	162	1155	3	44705.	1.359	50.000
42	S3# 45	C530 2-NITROANALINE	65	1185	3	15319.	0.466	50.000
43	S3# 55	C535 DIMETHYLPHTHALATE	163	1233	3	45778.	1.392	50.000
44	S3# 65	C540 ACENAPHTHYLENE	152	1239	3	65766.	1.999	50.000
45	S3# 70	C543 2,6-DINITROTOLUENE	165	1245	3	11247.	0.342	50.000
46	S3# 75	C545 3-NITROANILINE	138	1270	3	12025.	0.366	50.000
47	S3# 80	C550 ACENAPHTHENE	153	1278	3	39925.	1.214	50.000
48	S3# 85	C555 2,4-DINITROPHENOL	184	1290	3	5800.	0.176	50.000
49	S3# 90	C565 DIBENZOFURAN	168	1310	3	57465.	1.747	50.000
50	S3# 95	C560 4-NITROPHENOL	109	1307	3	4609.	0.140	50.000
51	S3#105	C570 2,4-DINITROTOLUENE	165	1322	3	13687.	0.416	50.000
52	S3#130	C580 DIETHYLPHTHALATE	149	1378	3	46572.	1.416	50.000
53	S3#135	C590 FLUORENE	166	1380	3	44285.	1.346	50.000
54	S3#140	C585 4-CHLOROPHENYL-PHEN	204	1384	3	19586.	0.595	50.000
55	S3#150	C595 4-NITROANALINE	138	1396	3	10278.	0.312	50.000
56	S4# 10	C610 4,6-DINITRO-2-METHY	198	1404	4	8037.	0.166	50.000
57	S4# 15	C615 N-NITROSODIPHENYLAM	169	1411	4	29755.	0.615	50.000
58	S4# 30	C625 4-BROMOPHENYL-PHENY	248	1482	4	9244.	0.191	50.000
59	S4# 40	C630 HEXACHLOROBENZENE	284	1509	4	9033.	0.187	50.000
60	S4# 50	C635 PENTACHLOROPHENOL	266	1546	4	6609.	0.137	50.000
61	S4# 65	C640 PHENANTHRENE	178	1575	4	53030.	1.096	50.000
62	S4# 70	C645 ANTHRACENE	178	1583	4	56151.	1.161	50.000
63	S4# 85	C650 DI-N-BUTYLPHTHALATE	149	1711	4	66006.	1.364	50.000
64	S4#110	C655 FLUORANTHENE	202	1819	4	48241.	0.997	50.000
65	S5# 15	C715 PYRENE	202	1865	5	47900.	1.261	50.000
66	S5# 40	C720 BUTYLBENZYLPHTHALAT	149	2016	5	25631.	0.728	50.000
67	S5# 50	C730 BENZO(A)ANTHRACENE	228	2113	5	42503.	1.208	50.000
68	S5# 55	C725 3,3'-DICHLOROBENZID	252	2115	5	28903.	0.411	100.000
69	S5# 60	C740 CHRYSENE	228	2123	5	36750.	1.044	50.000
70	S5# 65	C745 BIS(2-ETHYLHEXYL)PH	149	2141	5	36637.	1.041	50.000
71	S6# 10	C760 DI-N-OCTYL PHTHALAT	149	2260	6	64234.	1.772	50.000
72	S6# 15	C765 BENZO(B)FLUORANTHEN	252	2324	6	48613.	1.341	50.000
73	S6# 25	C770 BENZO(K)FLUORANTHEN	252	2329	6	48509.	1.366	50.000

74	S6#	35	C775	BENZO(A)PYR	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
75	S6#	55	C780	INDENO(1,2,3-CD)PYR	276	2595	6	64080.	1.767	50.000
76	S6#	60	C785	DIBENZ(A,H)ANTHRACE	278	2597	6	53372.	1.472	50.000
77	S6#	65	C790	BENZO(G,H,I)PERYLEN	276	2652	6	53080.	1.464	50.000

6/6/88 8:42:07 SCAN 1 OF 2800
Acquisition started

Acquire
06/06/88 8:42:00 + 0:04
Sample: CLP,STDU,,SSTD050,,,,BNA,CAL
Conds.:
Formula:
Submitted by: RMAL

Run 0:STDU568
Free sectors: 21214
Instrument: 4500
Analyst: KS

ACQUIRING
Scan: 5 of 2800
Weight: 0.000
Acct. No:

**********GC PARAMETERS**********

Loaded GC Desc:ST Current GC oven tmp: 30 DegC Injector : 250 DegC
Current GC Desc:ST GC elapsed time : 0: 2 min Int.over : 260 DegC

Seq.#	Temp(C)	Rate(C/m)	Time(min)	Total time(min)		Open	Close
1	30 - 30	-	1.0	1.0	Sweep/Split	0.5	0.0
2	30 - 325	10.0	29.5	30.5	Divert	40.5	0.0
3	325 - 325	-	10.0	40.5			
4	325 - 325	-	0.0	40.5			

**********SCAN PARAMETERS**********

Low mass: 35 Up: 0.70 L* Top: 0.00
High mass: 500 Down: 0.00 L Bottom: 0.05

Cent S/P: 10 Actual: 10 Samp Int (ms): 0.150 Peak Width: 1000.
Frag S/P: 10 Actual: 10 Samp Int (ms): 0.150 Inten/ion: 2

Min Peak Width: 3 Min Frag Width %: 80 Min Area: 30
ADC Threshold: 1 Baseline: 0

***** Mode: Centroid positive ion + R1 (Temp)

Interface number	0	
Sub-interface number	0	
# of acqu buffers	16	
Instrument type	Q	
Full scale mass	1024	u
Zero scale mass	1	u
Intensity/ion	2	
Peak Width	1000.	mmu
Offset at low mass	0	mmu
Offset at high mass	0	mmu
Voltage settling time(MS)	4	

6/6/88 9:17:09
ACQUISITION COMPLETED
SCANS 1 TO 2800 Centroid

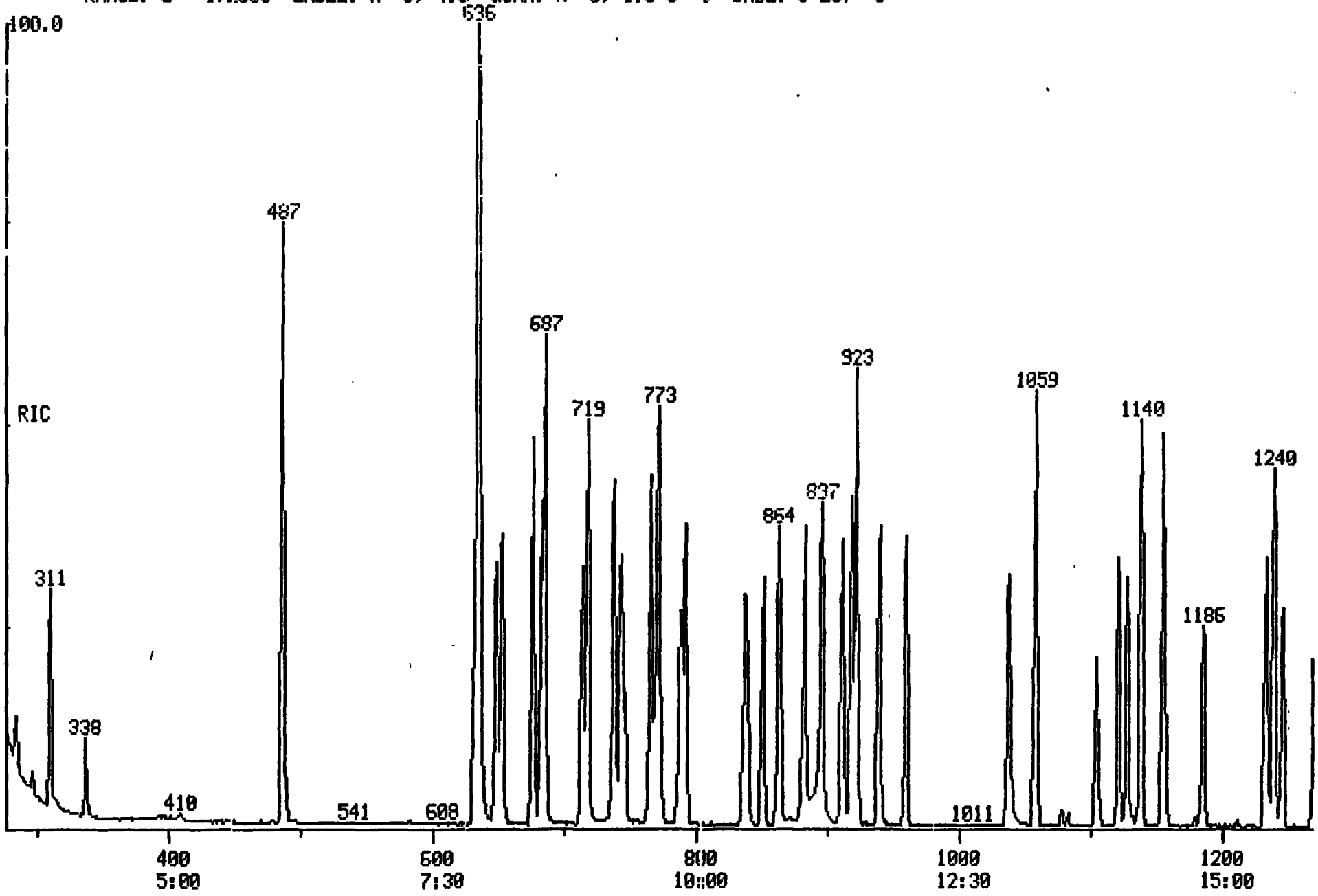
Mode	Scans	Secs	Out of	%	Peaks per scan	per sec
Centroid	2800	194.9	2100.0	9.3	46616. 17.	22.

00944

RIC
06/06/88 8:41:00
SAMPLE: CLP,STDU,,SSTD050,,,,BNA,CAL
CONDS.:
RANGE: G 1,1800 LABEL: N 0, 4.0 QUAN: A 0, 1.0 J 0 BASE: U 20, 3

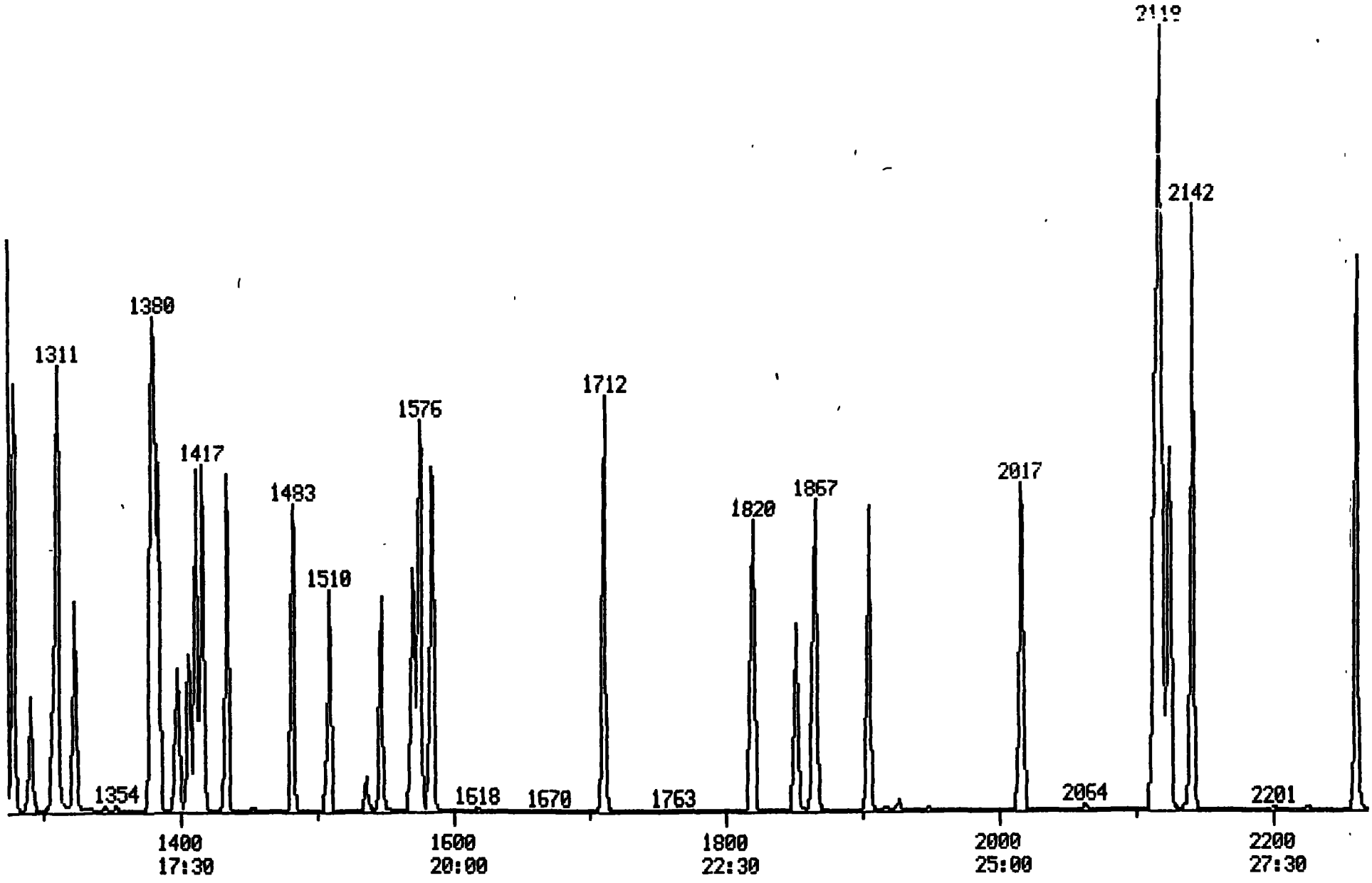
DATA: STDU568 #4
CALI: 060688CU #5

SCAN: 270 TO 1270
OUT OF 270 TO 2800



RIC DATA: STDU568 #4 SCANS 1270 TO 2270
06/06/88 8:42:00 CALI: 060688CU #5 OUT OF 270 TO 2800
SAMPLE: CLP,STDU,,SSTD050,,,,BNA,CAL
CONDS.:
RANGE: G 1,2800 LABEL: N 0, 4.0 QUAN: A 0, 1.0 J 0 BASE: U 20, 3

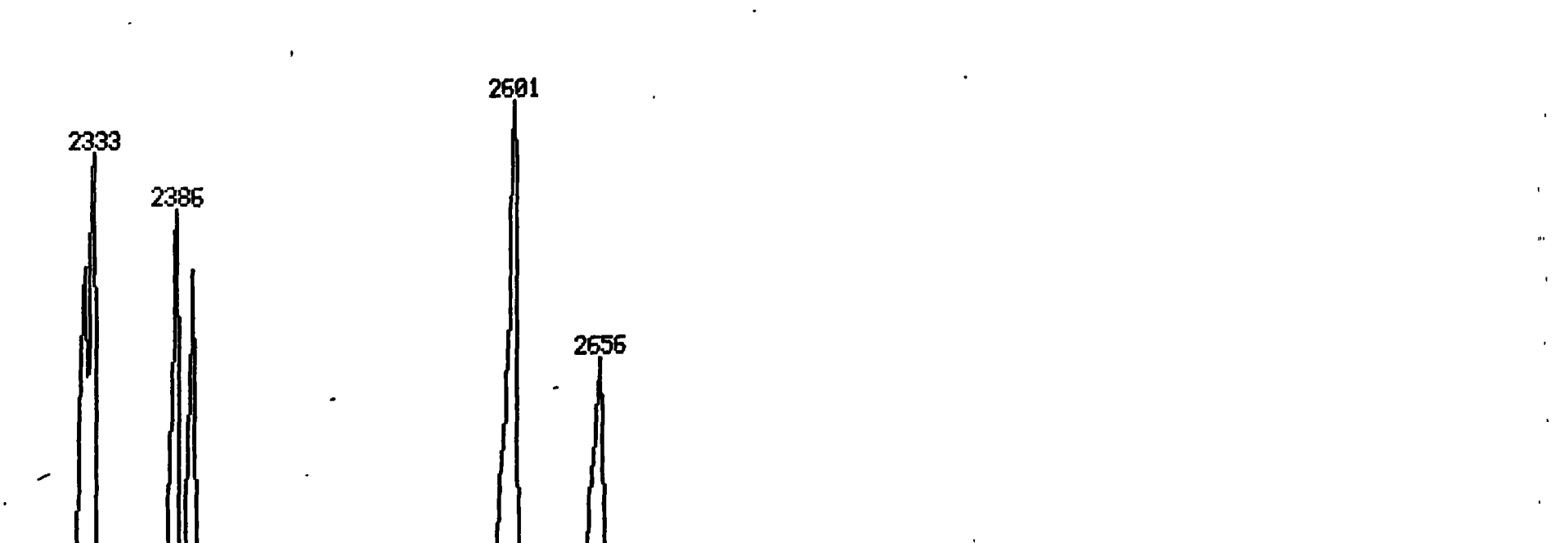
00945



009600

PIC DATA: STDU560 #4 SCANS 2270 TO 2800
06/06/88 8:42:00 CALI: 060688CU #5 OUT OF 270 TO 2800
SAMPLE: CLP,STDU,,SSTD050,,,,BNA,CAL
CONDS.:
RANGE: G 1,2800 LABEL: N 0, 4.0 QUAN: A 0, 1.0 J 0 BASE: U 20, 3

100.0 208128.



PROCEDURE: TCA DIAGNOSTIC REPORT 6/06/88 7:17:37
DATA FILE: STDU568
REFERENCE: 11TABLE
NAME LIST: LLNL INITIALIZATION OPTION: 2 PROCESSING OPTION: 3 00947
REPORT: ISO1

STANDARDS PROC	STANDARDS USED	STANDARDS POSS	STANDARDS RMS	PLUS UNKNOWNS PROC	PLUS UNKNOWNS USED	PLUS UNKNOWNS POSS	PLUS UNKNOWNS RMS	LIST NAMES STANDARD/UNKNOWN
1	1	1	0	7	7	1	62	ISO1/TCO1
3	3	1	49	18	18	2	65	ISO2/TCO2
3	3	1	49	12	12	2	78	ISO3/TCO3
3	3	1	44	18	18	1	53	ISO4/TCO4
3	3	1	44	10	10	1	97	ISO5/TCO5
3	3	1	81	8	8	2	90	ISO6/TCO6
3	3	1	80	14	14	16	100	ISO7/TCO7
1	1	1	0	4	4	1	50	ISO8/TCO8

77 COMPOUNDS PROCESSED, 77 FOUND

COMPOUND NO	LIB	ENTRY	SEARCH REF	PRED	SEL	DELTA	PEAKS	FIT	SAT PEAKS	CHRO M/Z	TOP	DELTA	PEAKS
1	S1	1	-680	684	684	.	1	971	.	152	684	.	1
2	S1	2	-484	487	487	.	1	994	.	112	487	.	1
3	S1	3	-633	636	636	.	1	943	.	99	636	.	1
4	S1	105	-635	638	638	.	1	935	.	94	638	.	1
5	S1	110	-647	650	650	.	1	983	.	93	650	.	1
6	S1	115	-651	654	654	.	1	992	.	128	654	.	1
7	S1	125	-675	678	677	-1	1	986	.	146	677	.	1
8	S2	1	-916	919	919	.	1	993	.	136	919	.	1
9	S3	1	-1269	1272	1272	.	1	969	.	164	1272	.	1
10	S1	130	-684	687	687	.	1	961	.	146	687	.	1
11	S1	145	-713	716	715	-1	1	996	.	108	715	.	1
12	S1	150	-717	720	719	-1	1	985	.	146	719	.	1
13	S1	160	-736	739	739	.	1	990	.	108	739	.	1
14	S1	165	-742	745	744	-1	1	960	.	45	744	.	1
15	S1	185	-763	766	767	1	1	991	.	108	767	.	1
16	S1	190	-768	771	771	.	1	998	.	70	771	.	1
17	S1	200	-771	774	773	-1	1	994	.	117	773	.	1
18	S2	2	-787	790	789	-1	1	996	.	82	789	.	1
19	S2	10	-790	793	793	.	1	998	.	77	793	.	1
20	S2	20	-835	838	838	.	1	985	.	82	838	.	1
21	S2	25	-849	852	852	.	1	988	.	139	852	.	1
22	S2	30	-862	865	864	-1	2	996	.	107	864	.	1
23	S2	35	-881	884	884	.	1	998	.	93	884	.	1
24	S2	45	-892	895	897	2	1	967	.	122	897	.	1
25	S2	40	-894	897	897	.	1	991	.	162	897	.	1
26	S2	55	-910	913	912	-1	1	986	.	180	912	.	1
27	S2	60	-921	924	923	-1	1	998	.	128	923	.	1
28	S2	80	-938	940	941	1	1	981	.	127	941	.	1
29	S2	95	-959	961	961	.	1	991	.	225	961	.	1
30	S2	130	-1037	1039	1039	.	1	992	.	107	1039	.	1
31	S2	145	-1057	1059	1059	.	1	994	.	142	1059	.	1
32	S3	20	-1104	1106	1105	-1	1	987	.	237	1105	.	1
33	S3	25	-1121	1123	1122	-1	2	991	.	196	1122	.	1
34	S4	1	-1569	1571	1571	.	1	990	.	188	1571	.	1
35	S3	30	-1127	1129	1129	.	1	982	.	196	1129	.	1
36	S3	3	-1138	1140	1140	.	1	999	.	172	1140	.	1
37	S3	40	-1154	1156	1156	.	1	998	.	162	1156	.	1
38	S3	45	-1184	1186	1186	.	1	994	.	65	1187	1	1
39	S3	55	-1232	1234	1234	.	1	964	.	163	1234	.	1
40	S3	65	-1238	1240	1240	.	1	985	.	152	1240	.	1
41	S3	70	-1244	1246	1247	1	1	993	.	165	1246	-1	1
42	S3	75	-1269	1272	1272	.	1	969	.	138	1272	.	1
43	S3	80	-1277	1280	1279	-1	1	995	.	153	1279	.	1
44	S3	85	-1289	1292	1292	.	1	978	.	184	1291	-1	1
45	S3	95	-1306	1309	1309	.	1	975	.	109	1309	.	1
46	S3	90	-1309	1312	1311	-1	1	961	.	168	1311	.	1
47	S3	105	-1321	1324	1324	.	1	992	.	165	1324	.	1
48	S3	130	-1377	1380	1380	.	1	959	.	149	1380	.	1
49	S3	135	-1379	1382	1382	.	1	988	.	166	1382	.	1
50	S3	140	-1383	1385	1385	.	1	985	.	204	1385	.	1
51	S3	150	-1395	1397	1399	2	1	982	.	138	1399	.	1
52	S4	10	-1404	1406	1407	1	1	967	.	198	1407	.	1
53	S4	15	-1411	1413	1412	-1	1	978	.	169	1412	.	1
54	S3	2	-1433	1435	1435	.	1	979	.	330	1435	.	1
55	S4	30	-1482	1484	1483	-1	1	976	.	248	1483	.	1
56	S4	40	-1509	1511	1510	-1	1	988	.	284	1510	.	1
57	S5	1	-2116	2119	2119	.	1	964	.	240	2119	.	1
58	S4	50	-1546	1548	1548	.	1	991	.	266	1548	.	1
59	S4	65	-1575	1577	1576	-1	2	952	.	178	1576	.	1
60	S4	70	-1583	1585	1585	.	1	942	.	178	1585	.	1
61	S4	85	-1711	1713	1712	-1	1	936	.	149	1712	.	1
62	S4	110	-1918	1921	1920	-1	1	957	.	202	1920	.	1

						.			.			.	
64	S5	15	-1865	1866	1866	.	1	997	.	202	1867	1	1
65	S5	2	-1905	1907	1906	-1	1	992	.	244	1906	.	1
66	S5	40	-2016	2018	2017	-1	1	995	.	149	2017	.	1
67	S5	50	-2113	2115	2115	.	2	996	.	228	2114	-1	1
68	S5	55	-2115	2117	2118	1	1	986	.	252	2118	.	1
69	S5	60	-2123	2125	2125	.	1	996	.	228	2125	.	1
70	S5	65	-2141	2144	2142	-2	1	992	.	149	2142	.	1
71	S6	10	-2260	2263	2262	-1	1	998	.	149	2262	.	1
72	S6	15	-2324	2327	2327	.	2	987	.	252	2327	.	1
73	S6	25	-2329	2332	2333	1	2	994	.	252	2332	-1	1
74	S6	35	-2382	2385	2386	1	2	991	.	252	2386	.	1
75	S6	55	-2595	2599	2600	1	1	973	.	276	2599	-1	1
76	S6	60	-2597	2601	2601	.	1	981	.	278	2601	.	1
77	S6	65	-2652	2656	2656	.	1	992	.	276	2656	.	1

Quantitation Report File: STDU568

Data: STDU568.TI
06/06/88 8:42:00
Sample: CLP,STDU,,SSTD050,,,,BNA,CAL
Conds.:
Formula: Instrument: 4500 Weight: 0.000
Submitted by: RMAL Analyst: KS Acct. No.:

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

No	Name				
1	CI30	1,4-DICHLOROBENZENE-D4	152	IS1# 01	3855-82-1
2	CS50	2-FLUOROPHENOL	112	SS1# 02	367-12-4
3	CS45	PHENOL-D5	99	SS1# 03	4165-62-2
4	C315	PHENOL	94	S1#105CC	108-95-2
5	C325	BIS(2-CHLOROETHYL)ETHER	93	S1#110	111-44-4
6	C330	2-CHLOROPHENOL	128	S2#115	95-57-8
7	C335	1,3-DICHLOROBENZENE	146	S1#125	541-73-1
8	CI40	NAPHTHALENE-D8	136	IS2# 01	1146-65-2
9	CI50	ACENAPHTHENE-D10	164	IS3# 01	15067-26-2
10	C340	1,4-DICHLOROBENZENE	146	S1#130CC	106-46-7
11	C345	BENZYL ALCOHOL	108	S1#145	100-51-6
12	C350	1,2-DICHLOROBENZENE	146	S1#150	95-50-1
13	C355	2-METHYLPHENOL	108	S1#160	95-48-7
14	C360	BIS(2-CHLOROISOPROPYL)E	45	S1#165	108-60-1
15	C365	4-METHYLPHENOL	108	S1#185	106-44-5
16	C370	N-NITROSO-DI-N-PROPYLAM	70	S1#190SP	621-64-7
17	C375	HEXACHLOROETHANE	117	S1#200	67-72-1
18	CS20	NITROBENZENE-D5	82	SS2# 02	4165-60-0
19	C410	NITROBENZENE	77	S2# 10	98-95-3
20	C415	ISOPHORONE	82	S2# 20	75-59-1
21	C420	2-NITROPHENOL	139	S2# 25CC	88-75-5
22	C425	2,4-DIMETHYLPHENOL	107	S2# 30	105-67-9
23	C435	BIS(2-CHLOROETHOXY)METH	93	S2# 35	111-91-1
24	C430	BENZOIC ACID	122	S2# 45	65-85-0
25	C440	2,4-DICHLOROPHENOL	162	S2# 40	120-83-2
26	C445	1,2,4-TRICHLOROBENZENE	180	S2# 55	120-82-1
27	C450	NAPHTHALENE	128	S2# 60	91-20-3
28	C455	4-CHLOROANALINE	127	S2# 80	106-47-8
29	C460	HEXACHLOROBUTADIENE	225	S2# 95CC	87-68-3
30	C465	4-CHLORO-3-METHYLPHENO	107	S2#130CC	59-50-7
31	C470	2-METHYLNAPHTHALENE	142	S2#145	91-57-6
32	C510	HEXACHLOROCYCLOPENTADI	237	S3# 20	77-47-4
33	C515	2,4,6-TRICHLOROPHENOL	196	S3# 25CC	88-06-2
34	CI60	PHENANTHRENE-D10	188	IS4# 01	1517-22-2
35	C520	2,4,5-TRICHLOROPHENOL	196	S3# 30	95-95-4
36	CS25	2-FLUOROBIPHENYL	172	SS3# 03	321-60-8
37	C525	2-CHLORONAPHTHALENE	162	S3# 40	91-58-7
38	C530	2-NITROANALINE	65	S3# 45	88-74-4
39	C535	DIMETHYLPHTHALATE	163	S3# 55	131-11-3
40	C540	ACENAPHTHYLENE	152	S3# 65	208-96-8
41	C543	2,6-DINITROTOLUENE	165	S3# 70	606-20-2
42	C545	3-NITROANILINE	138	S3# 75	99-09-2
43	C550	ACENAPHTHENE	153	S3# 80CC	83-32-9
44	C555	2,4-DINITROPHENOL	184	S3# 85SP	51-28-5
45	C560	4-NITROPHENOL	109	S3# 95SP	100-02-7
46	C565	DIBENZOFURAN	168	S3# 90	132-64-9
47	C570	2,4-DINITROTOLUENE	165	S3#105	121-14-2

No	Name				
48	C580	DIETHYLPHTHALATE	149	S3#130	84-66-2
49	C590	FLUORENE	166	S3#135	86-73-7
50	C585	4-CHLOROPHENYL-PHENYLE	204	S3#140	7005-72-3

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount		%Tot
1	152	684	8:33	1	1.000	A BV	31732.	40.000	UG/ML	1.00
2	112	487	6:05	1	0.712	A BB	106560.	98.466	UG/ML	2.47
3	99	636	7:57	1	0.930	A BB	135171.	100.318	UG/ML	2.52
4	94	638	7:58	1	0.933	A BV	76140.	50.248	UG/ML	1.26
5	93	650	8:07	1	0.950	A VB	60797.	50.080	UG/ML	1.26
6	128	654	8:10	1	0.956	A BB	57145.	51.843	UG/ML	1.30
7	146	677	8:28	1	0.990	A BV	61694.	49.514	UG/ML	1.24
8	136	919	11:29	8	1.000	A BB	107180.	40.000	UG/ML	1.00
9	164	1272	15:54	9	1.000	A BB	50646.	40.000	UG/ML	1.00
10	146	687	8:35	1	1.004	A VB	62836.	48.755	UG/ML	1.22
11	108	715	8:56	1	1.045	A BB	28006.	46.478	UG/ML	1.17
12	146	719	8:59	1	1.051	A BB	59683.	49.994	UG/ML	1.25
13	108	739	9:14	1	1.080	A BB	43664.	48.400	UG/ML	1.21
14	45	744	9:18	1	1.088	A BV	106338.	48.621	UG/ML	1.22
15	108	767	9:35	1	1.121	A BB	45879.	49.326	UG/ML	1.24
16	70	771	9:38	1	1.127	A BB	42185.	51.532	UG/ML	1.29
17	117	773	9:40	1	1.130	A BB	23036.	49.043	UG/ML	1.23
18	82	789	9:52	8	0.859	A BB	51313.	46.329	UG/ML	1.16
19	77	793	9:55	8	0.863	A BV	53869.	47.569	UG/ML	1.19
20	82	838	10:28	8	0.912	A BV	99779.	48.163	UG/ML	1.21
21	139	852	10:39	8	0.927	A BB	29871.	48.887	UG/ML	1.23
22	107	864	10:48	8	0.940	A BV	38927.	48.344	UG/ML	1.21
23	93	884	11:03	8	0.962	A BV	60993.	48.957	UG/ML	1.23
24	122	897	11:13	8	0.976	A BB	19572.	41.076	UG/ML	1.03
25	162	897	11:13	8	0.976	A BB	41375.	50.091	UG/ML	1.26
26	180	912	11:24	8	0.992	A BB	44566.	49.203	UG/ML	1.23
27	128	923	11:32	8	1.004	A BB	143964.	48.553	UG/ML	1.22
28	127	941	11:46	8	1.024	A BB	57165.	48.576	UG/ML	1.22
29	225	961	12:01	8	1.046	A BB	23070.	53.300	UG/ML	1.34
30	107	1039	12:59	8	1.131	A BB	36521.	51.351	UG/ML	1.29
31	142	1059	13:14	8	1.152	A BB	85576.	49.192	UG/ML	1.23
32	237	1105	13:49	9	0.869	A BB	18664.	50.927	UG/ML	1.28
33	196	1122	14:01	9	0.882	A BV	26798.	51.097	UG/ML	1.28
34	188	1571	19:38	34	1.000	A BV	78862.	40.000	UG/ML	1.00
35	196	1129	14:07	9	0.888	A VB	28265.	50.849	UG/ML	1.28
36	172	1140	14:15	9	0.896	A BV	93249.	49.380	UG/ML	1.24
37	162	1156	14:27	9	0.909	A BB	82240.	47.792	UG/ML	1.20
38	65	1187	14:50	9	0.933	A BB	27462.	46.573	UG/ML	1.17
39	163	1234	15:25	9	0.970	A BB	90210.	51.195	UG/ML	1.28
40	152	1240	15:30	9	0.975	A BB	122873.	48.538	UG/ML	1.22
41	165	1246	15:34	9	0.980	A BB	22015.	50.852	UG/ML	1.28
42	138	1272	15:54	9	1.000	A BV	24414.	52.745	UG/ML	1.32
43	153	1279	15:59	9	1.006	A BB	76034.	49.476	UG/ML	1.24
44	184	1291	16:08	9	1.015	A BB	11911.	53.352	UG/ML	1.34
45	109	1309	16:22	9	1.029	A BV	9544.	53.796	UG/ML	1.35
46	168	1311	16:23	9	1.031	A BB	111221.	50.282	UG/ML	1.26
47	165	1324	16:33	9	1.041	A BB	26616.	50.520	UG/ML	1.27
48	149	1380	17:15	9	1.085	A BB	92678.	51.699	UG/ML	1.30
49	166	1382	17:16	9	1.086	A BB	87873.	51.550	UG/ML	1.29
50	204	1385	17:19	9	1.089	A BB	40506.	53.728	UG/ML	1.35

No	Ret(L)	Ratio	RRT(L)	Ratio	Amnt	Amnt(L)	R.Fac	R.Fac(L)	Ratio
1	8:31	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
2	6:04	1.00	0.711	1.00	98.47	100.00	1.343	1.364	0.98
3	7:55	1.00	0.930	1.00	100.32	100.00	1.704	1.699	1.00
4	7:57	1.00	0.933	1.00	50.25	50.00	1.920	1.910	1.00
5	8:06	1.00	0.950	1.00	50.08	50.00	1.533	1.530	1.00
6	8:09	1.00	0.956	1.00	51.84	50.00	1.441	1.389	1.04
7	8:27	1.00	0.991	1.00	49.51	50.00	1.555	1.571	0.99
8	11:28	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
9	15:52	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
10	8:34	1.00	1.004	1.00	48.76	50.00	1.584	1.625	0.98
11	8:55	1.00	1.047	1.00	46.48	50.00	0.706	0.760	0.93
12	8:58	1.00	1.053	1.00	49.99	50.00	1.505	1.505	1.00
13	9:13	1.00	1.081	1.00	48.40	50.00	1.101	1.137	0.97
14	9:17	1.00	1.089	1.00	48.62	50.00	2.681	2.757	0.97
15	9:33	1.00	1.120	1.00	49.33	50.00	1.157	1.172	0.99
16	9:37	1.00	1.128	1.00	51.53	50.00	1.064	1.032	1.03
17	9:39	1.00	1.132	1.00	49.04	50.00	0.581	0.592	0.98
18	9:51	1.00	0.858	1.00	46.33	50.00	0.383	0.413	0.93
19	9:53	1.00	0.862	1.00	47.57	50.00	0.402	0.423	0.95
20	10:27	1.00	0.911	1.00	48.16	50.00	0.745	0.773	0.96
21	10:37	1.00	0.926	1.00	48.89	50.00	0.223	0.228	0.98
22	10:47	1.00	0.940	1.00	48.34	50.00	0.291	0.301	0.97
23	11:01	1.00	0.961	1.00	48.96	50.00	0.455	0.465	0.98
24	11:10	1.00	0.973	1.00	41.08	50.00	0.146	0.178	0.82
25	11:11	1.00	0.975	1.00	50.09	50.00	0.309	0.308	1.00
26	11:23	1.00	0.992	1.00	49.20	50.00	0.333	0.338	0.98
27	11:31	1.00	1.004	1.00	48.55	50.00	1.075	1.107	0.97
28	11:44	1.00	1.023	1.00	48.58	50.00	0.427	0.439	0.97
29	12:00	1.00	1.046	1.00	53.30	50.00	0.172	0.162	1.07
30	12:58	1.00	1.131	1.00	51.35	50.00	0.273	0.265	1.03
31	13:13	1.00	1.153	1.00	49.19	50.00	0.639	0.649	0.98
32	13:49	1.00	0.869	1.00	50.93	50.00	0.295	0.289	1.02
33	14:01	1.00	0.883	1.00	51.10	50.00	0.423	0.414	1.02
34	19:37	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
35	14:06	1.00	0.887	1.00	50.85	50.00	0.446	0.439	1.02
36	14:14	1.00	0.896	1.00	49.38	50.00	1.473	1.491	0.99
37	14:26	1.00	0.909	1.00	47.79	50.00	1.299	1.359	0.96
38	14:49	1.00	0.932	1.00	46.57	50.00	0.434	0.466	0.93
39	15:25	1.00	0.970	1.00	51.19	50.00	1.425	1.392	1.02
40	15:29	1.00	0.975	1.00	48.54	50.00	1.941	1.999	0.97
41	15:34	1.00	0.980	1.00	50.85	50.00	0.348	0.342	1.02
42	15:52	1.00	0.999	1.00	52.75	50.00	0.386	0.366	1.05
43	15:58	1.00	1.006	1.00	49.48	50.00	1.201	1.214	0.99
44	16:07	1.00	1.015	1.00	53.35	50.00	0.188	0.176	1.07
45	16:20	1.00	1.028	1.00	53.80	50.00	0.151	0.140	1.08
46	16:22	1.00	1.031	1.00	50.28	50.00	1.757	1.747	1.01
47	16:31	1.00	1.040	1.00	50.52	50.00	0.420	0.416	1.01
48	17:13	1.00	1.084	1.00	51.70	50.00	1.464	1.416	1.03
49	17:15	1.00	1.086	1.00	51.55	50.00	1.388	1.346	1.03
50	17:18	1.00	1.089	1.00	53.73	50.00	0.640	0.595	1.07

Quantitation Report File: STDU568

Data: STDU568.TI
06/06/88 8:42:00
Sample: CLP,STDU,,SSTD050,,,,BNA,CAL
Conds.:
Formula: Instrument: 4500 Weight: 0.000
Submitted by: RMAL Analyst: KS Acct. No.:

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

No	Name				
51	C595	4-NITROANALINE	138	S3#150	100-01-6
52	C610	4,6-DINITRO-2-METHYLPH	198	S4# 10	534-52-1
53	C615	N-NITROSODIPHENYLAMINE	169	S4# 15CC	87-30-6
54	C555	2,4,6-TRIBROMOPHENOL	330	S3# 02	118-79-6
55	C625	4-BROMOPHENYL-PHENYLET	248	S4# 30	101-55-3
56	C630	HEXACHLOROBENZENE	284	S4# 40	118-74-1
57	CI70	CHRYSENE-D12	240I	S5# 01	1719-03-5
58	C635	PENTACHLOROPHENOL	266	S4# 50	87-86-5
59	C640	PHENANTHRENE	178	S4# 65	85-01-8
60	C645	ANTHRACENE	178	S4# 70	120-12-7
61	C650	DI-N-BUTYLPHTHALATE	149	S4# 85	84-74-2
62	C655	FLUORANTHENE	202	S4#110CC	206-44-0
63	CI75	PERYLENE-D12	164I	S6# 01	1520-96-3
64	C715	PYRENE	202	S5# 15	129-00-0
65	CS30	TERPHENYL-D14	244	S5# 02	1718-51-0
66	C720	BUTYLBENZYLPHTHALATE	149	S5# 40	85-68-7
67	C730	BENZO(A)ANTHRACENE	228	S5# 50	56-55-3
68	C725	3,3'-DICHLOROBENZIDINE	252	S5# 55	91-94-1
69	C740	CHRYSENE	228	S5# 60	218-01-9
70	C745	BIS(2-ETHYLHEXYL)PHTHA	149	S5# 65	117-81-7
71	C760	DI-N-OCTYL PHTHALATE	149	S6# 10CC	117-84-0
72	C765	BENZO(B)FLUORANTHENE	252	S6# 15	205-99-2
73	C770	BENZO(K)FLUORANTHENE	252	S6# 25	207-08-9
74	C775	BENZO(A)PYRENE	252	S6# 35	50-32-8
75	C780	INDENO(1,2,3-CD)PYRENE	276	S6# 55	193-39-5
76	C785	DIBENZ(A,H)ANTHRACENE	278	S6# 60	53-70-3
77	C790	BENZO(G,H,I)PERYLENE	276	S6# 65	191-24-2

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount	%Tot
51	138	1399	17:29	9	1.100	A BB	21866.	55.271 UG/ML	1.39
52	198	1407	17:35	34	0.896	A BB	16825.	51.374 UG/ML	1.29
53	169	1412	17:39	34	0.899	A BB	61653.	50.848 UG/ML	1.28
54	330	1435	17:56	9	1.128	A BB	15932.	118.699 UG/ML	2.98
55	248	1483	18:32	34	0.944	A BB	19627.	52.104 UG/ML	1.31
56	284	1510	18:52	34	0.961	A BB	19612.	53.281 UG/ML	1.34
57	240	2119	26:29	57	1.000	A BB	74980.	40.000 UG/ML	1.00
58	266	1548	19:21	34	0.985	A BB	14968.	55.579 UG/ML	1.39
59	178	1576	19:42	34	1.003	A BV	112931.	52.260 UG/ML	1.31
60	178	1585	19:49	34	1.009	A VB	114253.	49.933 UG/ML	1.25
61	149	1712	21:24	34	1.090	A BB	154009.	57.259 UG/ML	1.44
62	202	1820	22:45	34	1.158	A BB	109817.	55.864 UG/ML	1.40
63	264	2396	29:57	63	1.000	A BB	73340.	40.000 UG/ML	1.00
64	202	1867	23:20	57	0.881	A BB	109950.	43.099 UG/ML	1.08
65	244	1906	23:49	57	0.899	A BB	76944.	47.870 UG/ML	1.20
66	149	2017	25:13	57	0.952	A BB	63373.	46.425 UG/ML	1.17

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount		%Tot
67	228	2114	26:25	57	0.998	A BV	109226.	48.252	UG/ML	1.21
68	252	2118	26:28	57	1.000	A BB	91549.	118.946	UG/ML	2.99
69	228	2125	26:34	57	1.003	A VB	94011.	48.032	UG/ML	1.21
70	149	2142	26:46	57	1.011	A BB	97760.	50.102	UG/ML	1.26
71	149	2262	28:16	63	0.944	A BB	175721.	54.095	UG/ML	1.36
72	252	2327	29:05	63	0.971	A BV	117844.	47.935	UG/ML	1.20
73	252	2332	29:09	63	0.973	A VB	109211.	43.619	UG/ML	1.09
74	252	2386	29:49	63	0.996	A BB	112127.	43.084	UG/ML	1.08
75	276	2599	32:29	63	1.085	A BB	124297.	38.356	UG/ML	0.96
76	278	2601	32:31	63	1.086	A BB	102801.	38.087	UG/ML	0.96
77	276	2656	33:12	63	1.109	A BB	101608.	37.852	UG/ML	0.95

No	Ret(L)	Ratio	RRT(L)	Ratio	Amnt	Amnt(L)	R.Fac	R.Fac(L)	Ratio
51	17:27	1.00	1.098	1.00	55.27	50.00	0.345	0.312	1.11
52	17:33	1.00	0.894	1.00	51.37	50.00	0.171	0.166	1.03
53	17:38	1.00	0.899	1.00	50.85	50.00	0.625	0.615	1.02
54	17:55	1.00	1.128	1.00	118.70	100.00	0.126	0.106	1.19
55	18:31	1.00	0.944	1.00	52.10	50.00	0.199	0.191	1.04
56	18:52	1.00	0.961	1.00	53.28	50.00	0.199	0.187	1.07
57	26:28	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
58	19:19	1.00	0.985	1.00	55.58	50.00	0.152	0.137	1.11
59	19:41	1.00	1.003	1.00	52.26	50.00	1.146	1.096	1.05
60	19:47	1.00	1.008	1.00	49.93	50.00	1.159	1.161	1.00
61	21:23	1.00	1.090	1.00	57.26	50.00	1.562	1.364	1.15
62	22:44	1.00	1.159	1.00	55.86	50.00	1.114	0.997	1.12
63	29:54	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
64	23:19	1.00	0.881	1.00	43.10	50.00	1.173	1.361	0.86
65	23:49	1.00	0.900	1.00	47.87	50.00	0.821	0.857	0.96
66	25:12	1.00	0.952	1.00	46.42	50.00	0.676	0.728	0.93
67	26:25	1.00	0.998	1.00	48.25	50.00	1.165	1.208	0.97
68	26:26	1.00	0.999	1.00	118.95	100.00	0.488	0.411	1.19
69	26:32	1.00	1.003	1.00	48.03	50.00	1.003	1.044	0.96
70	26:46	1.00	1.011	1.00	50.10	50.00	1.043	1.041	1.00
71	28:15	1.00	0.945	1.00	54.09	50.00	1.917	1.772	1.08
72	29:03	1.00	0.972	1.00	47.93	50.00	1.285	1.341	0.96
73	29:07	1.00	0.974	1.00	43.62	50.00	1.191	1.366	0.87
74	29:46	1.00	0.996	1.00	43.08	50.00	1.223	1.419	0.86
75	32:26	1.00	1.085	1.00	38.36	50.00	1.356	1.767	0.77
76	32:28	1.00	1.086	1.00	38.09	50.00	1.121	1.472	0.76
77	33:09	1.00	1.109	1.00	37.85	50.00	1.108	1.464	0.76

TGM FINISHED, 77 FOUND
FINISHED AT: 6/06/88 9:28:27

RMAL QUANTITATION SUMMARY FILE: STDU368
COMPOUNDS WITH AMOUNTS LESS THAN 1.00 REPORTED AS NOT FOUND

UNITS: UG/ML

NO	LIBRARY ENTRY	NAME	MASS	SCAN	REF	AREA	RRF	AMOUNT
1	S1# 1	CI30 1,4-DICHLOROBENZENE	152	684	1	31732.	1.000	40.000
2	S2# 1	CI40 NAPHTHALENE-D8	136	919	2	107180.	1.000	40.000
3	S3# 1	CI50 ACENAPHTHENE-D10	164	1272	3	50646.	1.000	40.000
4	S4# 1	CI60 PHENANTHRENE-D10	188	1571	4	78862.	1.000	40.000
5	S5# 1	CI70 CHRYSENE-D12	240	2119	5	74980.	1.000	40.000
6	S6# 1	CI75 PERYLENE-D12	264	2396	6	73340.	1.000	40.000
7	S2# 2	CS20 NITROBENZENE-D5	82	789	2	51313.	0.383	46.329
8	S3# 3	CS25 2-FLUOROBIPHENYL	172	1140	3	93249.	1.473	49.380
9	S5# 2	CS30 TERPHENYL-D14	244	1906	5	76944.	0.821	47.870
10	S1# 3	CS45 PHENOL-D5	99	636	1	135171.	1.704	100.318
11	S1# 2	CS50 2-FLUOROPHENOL	112	487	1	106560.	1.343	98.466
12	S3# 2	CS55 2,4,6-TRIBROMOPHENO	330	1435	3	15932.	0.126	118.699
13	S1#105	C315 PHENOL	94	638	1	76140.	1.920	50.246
14	S1#110	C325 BIS(2-CHLOROETHYL)E	93	650	1	60797.	1.533	50.060
15	S1#115	C330 2-CHLOROPHENOL	128	654	1	57145.	1.441	51.843
16	S1#125	C335 1,3-DICHLOROBENZENE	146	677	1	61694.	1.555	49.514
17	S1#130	C340 1,4-DICHLOROBENZENE	146	687	1	62836.	1.584	48.755
18	S1#145	C345 BENZYL ALCOHOL	108	715	1	28006.	0.706	46.478
19	S1#150	C350 1,2-DICHLOROBENZENE	146	719	1	59683.	1.505	49.994
20	S1#160	C355 2-METHYLPHENOL	108	739	1	43664.	1.101	48.400
21	S1#165	C360 BIS(2-CHLOROISOPROP	45	744	1	106338.	2.681	48.621
22	S1#185	C365 4-METHYLPHENOL	108	767	1	45879.	1.157	49.326
23	S1#190	C370 N-NITROSO-DI-N-PROP	70	771	1	42185.	1.064	51.532
24	S1#200	C375 HEXACHLOROETHANE	117	773	1	23038.	0.581	49.043
25	S2# 10	C410 NITROBENZENE	77	793	2	53869.	0.402	47.569
26	S2# 20	C415 ISOPHORONE	82	838	2	99779.	0.745	48.163
27	S2# 25	C420 2-NITROPHENOL	139	852	2	29871.	0.223	48.887
28	S2# 30	C425 2,4-DIMETHYLPHENOL	107	864	2	38927.	0.291	48.344
29	S2# 35	C435 BIS(2-CHLOROETHOXY)	93	884	2	60993.	0.455	48.957
30	S2# 40	C440 2,4-DICHLOROPHENOL	162	897	2	41375.	0.309	50.091
31	S2# 45	C430 BENZOIC ACID	122	897	2	19572.	0.146	41.076
32	S2# 55	C445 1,2,4-TRICHLOROBENZ	180	912	2	44568.	0.333	49.203
33	S2# 60	C450 NAPHTHALENE	128	923	2	143964.	1.075	48.553
34	S2# 80	C455 4-CHLOROANALINE	127	941	2	57165.	0.427	48.576
35	S2# 95	C460 HEXACHLOROBUTADIENE	225	961	2	23070.	0.172	53.300
36	S2#130	C465 4-CHLORO-3-METHYLPH	107	1039	2	36521.	0.273	51.351
37	S2#145	C470 2-METHYLNAPHTHALENE	142	1059	2	85576.	0.639	49.192
38	S3# 20	C510 HEXACHLOROCYCLOPENT	237	1105	3	18664.	0.295	50.927
39	S3# 25	C515 2,4,6-TRICHLOROPHEN	196	1122	3	26798.	0.423	51.097
40	S3# 30	C520 2,4,5-TRICHLOROPHEN	196	1129	3	28265.	0.446	50.849
41	S3# 40	C525 2-CHLORONAPHTHALENE	162	1156	3	82240.	1.299	47.792
42	S3# 45	C530 2-NITROANALINE	65	1187	3	27462.	0.434	46.573
43	S3# 55	C535 DIMETHYLPHTHALATE	163	1234	3	90210.	1.425	51.195
44	S3# 65	C540 ACENAPHTHYLENE	152	1240	3	122873.	1.941	48.538
45	S3# 70	C543 2,6-DINITROTOLUENE	165	1246	3	22015.	0.348	50.852
46	S3# 75	C545 3-NITROANILINE	138	1272	3	24414.	0.386	52.745
47	S3# 80	C550 ACENAPHTHENE	153	1279	3	76034.	1.201	49.476
48	S3# 85	C555 2,4-DINITROPHENOL	184	1291	3	11911.	0.188	53.352
49	S3# 90	C565 DIBENZOFURAN	168	1311	3	111221.	1.757	50.282
50	S3# 95	C560 4-NITROPHENOL	109	1309	3	9544.	0.151	53.796
51	S3#105	C570 2,4-DINITROTOLUENE	165	1324	3	26616.	0.420	50.520
52	S3#130	C580 DIETHYLPHTHALATE	149	1380	3	92678.	1.464	51.699
53	S3#135	C590 FLUORENE	166	1382	3	87873.	1.388	51.550
54	S3#140	C585 4-CHLOROPHENYL-PHEN	204	1385	3	40506.	0.640	53.728
55	S3#150	C595 4-NITROANALINE	138	1399	3	21866.	0.345	55.271
56	S4# 10	C610 4,6-DINITRO-2-METHY	198	1407	4	16825.	0.171	51.374
57	S4# 15	C615 N-NITROSODIPHENYLAM	169	1412	4	61653.	0.625	50.848
58	S4# 30	C625 4-BROMOPHENYL-PHENY	248	1483	4	19627.	0.199	52.104
59	S4# 40	C630 HEXACHLOROBENZENE	284	1510	4	19612.	0.199	53.281
60	S4# 50	C635 PENTACHLOROPHENOL	266	1548	4	14968.	0.152	55.579
61	S4# 65	C640 PHENANTHRENE	178	1576	4	112931.	1.146	52.260
62	S4# 70	C645 ANTHRACENE	178	1585	4	114253.	1.159	49.933
63	S4# 85	C650 DI-N-BUTYLPHTHALATE	149	1712	4	154009.	1.562	57.259
64	S4#110	C655 FLUORANTHENE	202	1820	4	109817.	1.114	55.864
65	S5# 15	C715 PYRENE	202	1867	5	109950.	1.173	43.099
66	S5# 40	C720 BUTYLBENZYLPHTHALAT	149	2017	5	63373.	0.676	46.425
67	S5# 50	C730 BENZO(A)ANTHRACENE	228	2114	5	109226.	1.165	48.252
68	S5# 55	C725 3,3'-DICHLOROBENZID	252	2118	5	91549.	0.488	118.946
69	S5# 60	C740 CHRYSENE	228	2125	5	94011.	1.003	48.032
70	S5# 65	C745 BIS(2-ETHYLHEXYL)PH	149	2142	5	97760.	1.043	50.102
71	S5# 10	C740 DI-N-OCTYL PHTHALAT	149	2263	5	75321.	1.517	54.685

73	S6#	25	C770	BENZO(K)FLUORANTHEN	252	2332	6	109211.	1.191	43.619
74	S6#	35	C775	BENZO(A)PYRENE	252	2386	6	112127.	1.223	43.084
75	S6#	55	C780	INDENO(1,2,3-CD)PYR	276	2599	6	124297.	1.356	38.356
76	S6#	60	C785	DIBENZ(A,H)ANTHRACE	278	2601	6	102801.	1.121	38.087
77	S6#	65	C790	BENZO(G,H,I)PERYLEN	276	2656	6	101608.	1.108	37.852

Quantitation Report File: STDU568

Data: STDU568.TI
06/06/88 8:42:00
Sample: CLP,STDU,,SSTD050,,,,BNA,CAL
Conds.:
Formula: Instrument: 4500 Weight: 0.000
Submitted by: RMAL Analyst: KS Acct. No.:

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

No	Name				
1	CI30	1,4-DICHLOROBENZENE-D4	152	IS1# 01	3855-82-1
2	CI40	NAPHTHALENE-D8	136	IS2# 01	1146-65-2
3	CI50	ACENAPHTHENE-D10	164	IS3# 01	15067-26-2
4	CI60	PHENANTHRENE-D10	188	IS4# 01	1517-22-2
5	CI70	CHRYSENE-D12	240	IS5# 01	1719-03-5
6	CI75	PERYLENE-D12	164	IS6# 01	1520-96-3
7	CS20	NITROBENZENE-D5	82	SS2# 02	4165-60-0
8	CS25	2-FLUOROBIPHENYL	172	SS3# 03	321-60-8
9	CS30	TERPHENYL-D14	244	SS5# 02	1718-51-0
10	CS45	PHENOL-D5	99	SS1# 03	4165-62-2
11	CS50	2-FLUOROPHENOL	112	SS1# 02	367-12-4
12	CS55	2,4,6-TRIBROMOPHENOL	330	SS3# 02	118-79-6
13	C315	PHENOL	94	S1#105CC	108-95-2
14	C325	BIS(2-CHLOROETHYL)ETHER	93	S1#110	111-44-4
15	C330	2-CHLOROPHENOL	128	S2#115	95-57-8
16	C335	1,3-DICHLOROBENZENE	146	S1#125	541-73-1
17	C340	1,4-DICHLOROBENZENE	146	S1#130CC	106-46-7
18	C345	BENZYL ALCOHOL	108	S1#145	100-51-6
19	C350	1,2-DICHLOROBENZENE	146	S1#150	95-50-1
20	C355	2-METHYLPHENOL	108	S1#160	95-48-7
21	C360	BIS(2-CHLOROISOPROPYL)E	45	S1#165	108-60-1
22	C365	4-METHYLPHENOL	108	S1#185	106-44-5
23	C370	N-NITROSO-DI-N-PROPYLAM	70	S1#190SP	621-64-7
24	C375	HEXACHLOROETHANE	117	S1#200	67-72-1
25	C410	NITROBENZENE	77	S2# 10	98-95-3
26	C415	ISOPHORONE	82	S2# 20	75-59-1
27	C420	2-NITROPHENOL	139	S2# 25CC	88-75-5
28	C425	2,4-DIMETHYLPHENOL	107	S2# 30	105-67-9
29	C435	BIS(2-CHLOROETHOXY)METH	93	S2# 35	111-91-1
30	C440	2,4-DICHLOROPHENOL	162	S2# 40	120-83-2
31	C430	BENZOIC ACID	122	S2# 45	65-85-0
32	C445	1,2,4-TRICHLOROBENZENE	180	S2# 55	120-82-1
33	C450	NAPHTHALENE	128	S2# 60	91-20-3
34	C455	4-CHLOROANALINE	127	S2# 80	106-47-8
35	C460	HEXACHLOROBUTADIENE	225	S2# 95CC	87-68-3
36	C465	4-CHLORO-3-METHYLPHENO	107	S2#130CC	59-50-7
37	C470	2-METHYLNAPHTHALENE	142	S2#145	91-57-6
38	C510	HEXACHLOROCYCLOPENTADI	237	S3# 20	77-47-4
39	C515	2,4,6-TRICHLOROPHENOL	196	S3# 25CC	88-06-2
40	C520	2,4,5-TRICHLOROPHENOL	196	S3# 30	95-95-4
41	C525	2-CHLORONAPHTHALENE	162	S3# 40	91-58-7
42	C530	2-NITROANALINE	65	S3# 45	88-74-4
43	C535	DIMETHYLPHTHALATE	163	S3# 55	131-11-3
44	C540	ACENAPHTHYLENE	152	S3# 65	208-96-8
45	C543	2,6-DINITROTOLUENE	165	S3# 70	606-20-2
46	C545	3-NITROANILINE	138	S3# 75	99-09-2
47	C550	ACENAPHTHENE	153	S3# 80CC	83-32-9

No	Name				
48	C555	2,4-DINITROPHENOL	184	S3# 85SP	51-28-5
49	C565	DIBENZOFURAN	168	S3# 90	132-64-9
50	C560	4-NITROPHENOL	109	S3# 95SP	100-02-7

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount		%Tot
1	152	684	8:33	1	1.000	A BV	31732.	40.000	UG/ML	1.00
2	136	919	11:29	2	1.000	A BB	107180.	40.000	UG/ML	1.00
3	164	1272	15:54	3	1.000	A BB	50646.	40.000	UG/ML	1.00
4	188	1571	19:38	4	1.000	A BV	78862.	40.000	UG/ML	1.00
5	240	2119	26:29	5	1.000	A BB	74980.	40.000	UG/ML	1.00
6	264	2396	29:57	6	1.000	A BB	73340.	40.000	UG/ML	1.00
7	82	789	9:52	2	0.859	A BB	51313.	50.000	UG/ML	1.25
8	172	1140	14:15	3	0.896	A BV	93249.	50.000	UG/ML	1.25
9	244	1906	23:49	5	0.899	A BB	76944.	50.000	UG/ML	1.25
10	99	636	7:57	1	0.930	A BB	135171.	100.000	UG/ML	2.51
11	112	487	6:05	1	0.712	A BB	106560.	100.000	UG/ML	2.51
12	330	1435	17:56	3	1.128	A BB	15932.	100.000	UG/ML	2.51
13	94	638	7:58	1	0.933	A BV	76140.	50.000	UG/ML	1.25
14	93	650	8:07	1	0.950	A VB	60797.	50.000	UG/ML	1.25
15	128	654	8:10	1	0.956	A BB	57148.	50.000	UG/ML	1.25
16	146	677	8:28	1	0.990	A BV	61694.	50.000	UG/ML	1.25
17	146	687	8:35	1	1.004	A VB	62836.	50.000	UG/ML	1.25
18	108	715	8:56	1	1.045	A BB	28006.	50.000	UG/ML	1.25
19	146	719	8:59	1	1.051	A BB	59683.	50.000	UG/ML	1.25
20	108	739	9:14	1	1.080	A BB	43664.	50.000	UG/ML	1.25
21	45	744	9:18	1	1.088	A BV	106338.	50.000	UG/ML	1.25
22	108	767	9:35	1	1.121	A BB	45879.	50.000	UG/ML	1.25
23	70	771	9:38	1	1.127	A BB	42185.	50.000	UG/ML	1.25
24	117	773	9:40	1	1.130	A BB	23038.	50.000	UG/ML	1.25
25	77	793	9:55	2	0.863	A BV	53869.	50.000	UG/ML	1.25
26	82	838	10:28	2	0.912	A BV	99779.	50.000	UG/ML	1.25
27	139	852	10:39	2	0.927	A BB	29871.	50.000	UG/ML	1.25
28	107	864	10:48	2	0.940	A BV	38927.	50.000	UG/ML	1.25
29	93	884	11:03	2	0.962	A BV	60993.	50.000	UG/ML	1.25
30	162	897	11:13	2	0.976	A BB	41375.	50.000	UG/ML	1.25
31	122	897	11:13	2	0.976	A BB	19572.	50.000	UG/ML	1.25
32	180	912	11:24	2	0.992	A BB	44568.	50.000	UG/ML	1.25
33	128	923	11:32	2	1.004	A BB	143964.	50.000	UG/ML	1.25
34	127	941	11:46	2	1.024	A BB	57165.	50.000	UG/ML	1.25
35	225	961	12:01	2	1.046	A BB	23070.	50.000	UG/ML	1.25
36	107	1039	12:59	2	1.131	A BB	36521.	50.000	UG/ML	1.25
37	142	1059	13:14	2	1.152	A BB	85576.	50.000	UG/ML	1.25
38	237	1105	13:49	3	0.869	A BB	18664.	50.000	UG/ML	1.25
39	196	1122	14:01	3	0.882	A BV	26798.	50.000	UG/ML	1.25
40	196	1129	14:07	3	0.888	A VB	28265.	50.000	UG/ML	1.25
41	162	1156	14:27	3	0.909	A BB	82240.	50.000	UG/ML	1.25
42	65	1187	14:50	3	0.933	A BB	27462.	50.000	UG/ML	1.25
43	163	1234	15:25	3	0.970	A BB	90210.	50.000	UG/ML	1.25
44	152	1240	15:30	3	0.975	A BB	122872.	50.000	UG/ML	1.25
45	165	1246	15:34	3	0.980	A BB	22015.	50.000	UG/ML	1.25
46	138	1272	15:54	3	1.000	A BV	24414.	50.000	UG/ML	1.25
47	153	1279	15:59	3	1.006	A BB	76034.	50.000	UG/ML	1.25
48	184	1291	16:08	3	1.015	A BB	11911.	50.000	UG/ML	1.25
49	168	1311	16:23	3	1.031	A BB	111221.	50.000	UG/ML	1.25
50	109	1309	16:22	3	1.029	A BV	9544.	50.000	UG/ML	1.25

No	Ret(L)	Ratio	RRT(L)	Ratio	Amnt	Amnt(L)	R.Fac	R.Fac(L)	Ratio
1	8:33	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
2	11:29	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
3	15:54	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
4	19:38	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
5	26:29	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
6	29:57	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
7	9:52	1.00	0.859	1.00	50.00	50.00	0.383	0.383	1.00
8	14:15	1.00	0.896	1.00	50.00	50.00	1.473	1.473	1.00
9	23:49	1.00	0.899	1.00	50.00	50.00	0.821	0.821	1.00
10	7:57	1.00	0.930	1.00	100.00	100.00	1.704	1.704	1.00
11	6:05	1.00	0.712	1.00	100.00	100.00	1.343	1.343	1.00
12	17:56	1.00	1.128	1.00	100.00	100.00	0.126	0.126	1.00
13	7:58	1.00	0.933	1.00	50.00	50.00	1.920	1.920	1.00
14	8:07	1.00	0.950	1.00	50.00	50.00	1.533	1.533	1.00
15	8:10	1.00	0.956	1.00	50.00	50.00	1.441	1.441	1.00
16	8:28	1.00	0.990	1.00	50.00	50.00	1.555	1.555	1.00
17	8:35	1.00	1.004	1.00	50.00	50.00	1.584	1.584	1.00
18	8:56	1.00	1.045	1.00	50.00	50.00	0.706	0.706	1.00
19	8:59	1.00	1.051	1.00	50.00	50.00	1.505	1.505	1.00
20	9:14	1.00	1.080	1.00	50.00	50.00	1.101	1.101	1.00
21	9:18	1.00	1.088	1.00	50.00	50.00	2.681	2.681	1.00
22	9:35	1.00	1.121	1.00	50.00	50.00	1.157	1.157	1.00
23	9:38	1.00	1.127	1.00	50.00	50.00	1.064	1.064	1.00
24	9:40	1.00	1.130	1.00	50.00	50.00	0.581	0.581	1.00
25	9:55	1.00	0.863	1.00	50.00	50.00	0.402	0.402	1.00
26	10:28	1.00	0.912	1.00	50.00	50.00	0.745	0.745	1.00
27	10:39	1.00	0.927	1.00	50.00	50.00	0.223	0.223	1.00
28	10:48	1.00	0.940	1.00	50.00	50.00	0.291	0.291	1.00
29	11:03	1.00	0.962	1.00	50.00	50.00	0.455	0.455	1.00
30	11:13	1.00	0.976	1.00	50.00	50.00	0.309	0.309	1.00
31	11:13	1.00	0.976	1.00	50.00	50.00	0.146	0.146	1.00
32	11:24	1.00	0.992	1.00	50.00	50.00	0.333	0.333	1.00
33	11:32	1.00	1.004	1.00	50.00	50.00	1.075	1.075	1.00
34	11:46	1.00	1.024	1.00	50.00	50.00	0.427	0.427	1.00
35	12:01	1.00	1.046	1.00	50.00	50.00	0.172	0.172	1.00
36	12:59	1.00	1.131	1.00	50.00	50.00	0.273	0.273	1.00
37	13:14	1.00	1.152	1.00	50.00	50.00	0.639	0.639	1.00
38	13:49	1.00	0.869	1.00	50.00	50.00	0.295	0.295	1.00
39	14:01	1.00	0.882	1.00	50.00	50.00	0.423	0.423	1.00
40	14:07	1.00	0.888	1.00	50.00	50.00	0.446	0.446	1.00
41	14:27	1.00	0.909	1.00	50.00	50.00	1.299	1.299	1.00
42	14:50	1.00	0.933	1.00	50.00	50.00	0.434	0.434	1.00
43	15:25	1.00	0.970	1.00	50.00	50.00	1.425	1.425	1.00
44	15:30	1.00	0.975	1.00	50.00	50.00	1.941	1.941	1.00
45	15:34	1.00	0.980	1.00	50.00	50.00	0.348	0.348	1.00
46	15:54	1.00	1.000	1.00	50.00	50.00	0.386	0.386	1.00
47	15:59	1.00	1.006	1.00	50.00	50.00	1.201	1.201	1.00
48	16:08	1.00	1.015	1.00	50.00	50.00	0.188	0.188	1.00
49	16:23	1.00	1.031	1.00	50.00	50.00	1.757	1.757	1.00
50	16:22	1.00	1.029	1.00	50.00	50.00	0.151	0.151	1.00

Quantitation Report File: STDU568

Data: STDU568.TI
06/06/88 8:42:00
Sample: CLP,STDU,,SSTD050,,,,BNA,CAL
Conds.:
Formula: Instrument: 4500 Weight: 0.000
Submitted by: RMAL Analyst: KS Acct. No.:

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

No	Name				
51	C570	2,4-DINITROTOLUENE	165	S3#105	121-14-2
52	C580	DIETHYLPHTHALATE	149	S3#130	84-66-2
53	C590	FLUORENE	166	S3#135	86-73-7
54	C585	4-CHLOROPHENYL-PHENYLE	204	S3#140	7005-72-3
55	C595	4-NITROANALINE	138	S3#150	100-01-6
56	C610	4,6-DINITRO-2-METHYLPH	198	S4# 10	534-52-1
57	C615	N-NITROSODIPHENYLAMINE	169	S4# 15CC	87-30-6
58	C625	4-BROMOPHENYL-PHENYLET	248	S4# 30	101-55-3
59	C630	HEXACHLOROBENZENE	284	S4# 40	118-74-1
60	C635	PENTACHLOROPHENOL	266	S4# 50	87-86-5
61	C640	PHENANTHRENE	178	S4# 65	85-01-8
62	C645	ANTHRACENE	178	S4# 70	120-12-7
63	C650	DI-N-BUTYLPHTHALATE	149	S4# 85	84-74-2
64	C655	FLUORANTHENE	202	S4#110CC	206-44-0
65	C715	PYRENE	202	S5# 15	129-00-0
66	C720	BUTYLBENZYLPHTHALATE	149	S5# 40	85-68-7
67	C730	BENZO(A)ANTHRACENE	228	S5# 50	56-55-3
68	C725	3,3'-DICHLOROBENZIDINE	252	S5# 55	91-94-1
69	C740	CHRYSENE	228	S5# 60	218-01-9
70	C745	BIS(2-ETHYLHEXYL)PHTHA	149	S5# 65	117-81-7
71	C760	DI-N-OCTYL PHTHALATE	149	S6# 10CC	117-84-0
72	C765	BENZO(B)FLUORANTHENE	252	S6# 15	205-99-2
73	C770	BENZO(K)FLUORANTHENE	252	S6# 25	207-08-9
74	C775	BENZO(A)PYRENE	252	S6# 35	50-32-8
75	C780	INDENO(1,2,3-CD)PYRENE	276	S6# 55	193-39-5
76	C785	DIBENZ(A,H)ANTHRACENE	278	S6# 60	53-70-3
77	C790	BENZO(G,H,I)PERYLENE	276	S6# 65	191-24-2

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount	%Tot
51	165	1324	16:33	3	1.041	A BB	26616.	50.000 UG/ML	1.25
52	149	1380	17:15	3	1.085	A BB	92676.	50.000 UG/ML	1.25
53	166	1382	17:16	3	1.086	A BB	87873.	50.000 UG/ML	1.25
54	204	1385	17:19	3	1.089	A BB	40506.	50.000 UG/ML	1.25
55	138	1399	17:29	3	1.100	A BB	21866.	50.000 UG/ML	1.25
56	198	1407	17:35	4	0.896	A BB	16825.	50.000 UG/ML	1.25
57	169	1412	17:39	4	0.899	A BB	61653.	50.000 UG/ML	1.25
58	248	1483	18:32	4	0.944	A BB	19627.	50.000 UG/ML	1.25
59	284	1510	18:52	4	0.961	A BB	19612.	50.000 UG/ML	1.25
60	266	1548	19:21	4	0.985	A BB	14968.	50.000 UG/ML	1.25
61	178	1576	19:42	4	1.003	A BV	112931.	50.000 UG/ML	1.25
62	178	1585	19:49	4	1.009	A VB	114253.	50.000 UG/ML	1.25
63	149	1712	21:24	4	1.090	A BB	154009.	50.000 UG/ML	1.25
64	202	1820	22:45	4	1.158	A BB	109817.	50.000 UG/ML	1.25
65	202	1867	23:20	5	0.881	A BB	109950.	50.000 UG/ML	1.25
66	149	2017	25:13	5	0.952	A BB	63373.	50.000 UG/ML	1.25

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount		%Tot
67	228	2114	26:25	5	0.998	A BV	109226.	50.000	UG/ML	1.25
68	252	2118	26:28	5	1.000	A BB	91549.	100.000	UG/ML	2.51
69	228	2125	26:34	5	1.003	A VB	94011.	50.000	UG/ML	1.25
70	149	2142	26:46	5	1.011	A BB	97760.	50.000	UG/ML	1.25
71	149	2262	28:16	6	0.944	A BB	175721.	50.000	UG/ML	1.25
72	252	2327	29:05	6	0.971	A BV	117844.	50.000	UG/ML	1.25
73	252	2332	29:09	6	0.973	A VB	109211.	50.000	UG/ML	1.25
74	252	2386	29:49	6	0.996	A BB	112127.	50.000	UG/ML	1.25
75	276	2599	32:29	6	1.085	A BB	124297.	50.000	UG/ML	1.25
76	278	2601	32:31	6	1.086	A BB	102801.	50.000	UG/ML	1.25
77	276	2656	33:12	6	1.109	A BB	101608.	50.000	UG/ML	1.25

No	Ret(L)	Ratio	RRT(L)	Ratio	Amnt	Amnt(L)	R.Fac	R.Fac(L)	Ratio
51	16:33	1.00	1.041	1.00	50.00	50.00	0.420	0.420	1.00
52	17:15	1.00	1.085	1.00	50.00	50.00	1.464	1.464	1.00
53	17:16	1.00	1.086	1.00	50.00	50.00	1.388	1.388	1.00
54	17:19	1.00	1.089	1.00	50.00	50.00	0.640	0.640	1.00
55	17:29	1.00	1.100	1.00	50.00	50.00	0.345	0.345	1.00
56	17:35	1.00	0.896	1.00	50.00	50.00	0.171	0.171	1.00
57	17:39	1.00	0.899	1.00	50.00	50.00	0.625	0.625	1.00
58	18:32	1.00	0.944	1.00	50.00	50.00	0.199	0.199	1.00
59	18:52	1.00	0.961	1.00	50.00	50.00	0.199	0.199	1.00
60	19:21	1.00	0.985	1.00	50.00	50.00	0.152	0.152	1.00
61	19:42	1.00	1.003	1.00	50.00	50.00	1.146	1.146	1.00
62	19:49	1.00	1.009	1.00	50.00	50.00	1.159	1.159	1.00
63	21:24	1.00	1.090	1.00	50.00	50.00	1.562	1.562	1.00
64	22:45	1.00	1.158	1.00	50.00	50.00	1.114	1.114	1.00
65	23:20	1.00	0.881	1.00	50.00	50.00	1.173	1.173	1.00
66	25:13	1.00	0.952	1.00	50.00	50.00	0.676	0.676	1.00
67	26:25	1.00	0.998	1.00	50.00	50.00	1.165	1.165	1.00
68	26:28	1.00	1.000	1.00	100.00	100.00	0.488	0.488	1.00
69	26:34	1.00	1.003	1.00	50.00	50.00	1.003	1.003	1.00
70	26:46	1.00	1.011	1.00	50.00	50.00	1.043	1.043	1.00
71	28:16	1.00	0.944	1.00	50.00	50.00	1.917	1.917	1.00
72	29:05	1.00	0.971	1.00	50.00	50.00	1.285	1.285	1.00
73	29:09	1.00	0.973	1.00	50.00	50.00	1.191	1.191	1.00
74	29:49	1.00	0.996	1.00	50.00	50.00	1.223	1.223	1.00
75	32:29	1.00	1.085	1.00	50.00	50.00	1.356	1.356	1.00
76	32:31	1.00	1.086	1.00	50.00	50.00	1.121	1.121	1.00
77	33:12	1.00	1.109	1.00	50.00	50.00	1.108	1.108	1.00

RMAL QUANTITATION SUMMARY FILE: STDU368
COMPOUNDS WITH AMOUNTS LESS THAN 1.00 REPORTED AS NOT FOUND

UNITS: UG/ML

NO	LIBRARY ENTRY	NAME	MASS	SCAN	REF	AREA	RRF	AMOUNT
1	S1# 1	CI30 1,4-DICHLOROBENZENE	152	684	1	31732.	1.000	40.000
2	S2# 1	CI40 NAPHTHALENE-D8	136	919	2	107180.	1.000	40.000
3	S3# 1	CI50 ACENAPHTHENE-D10	164	1272	3	50646.	1.000	40.000
4	S4# 1	CI60 PHENANTHRENE-D10	188	1571	4	78862.	1.000	40.000
5	S5# 1	CI70 CHRYSENE-D12	240	2119	5	74980.	1.000	40.000
6	S6# 1	CI75 PERYLENE-D12	264	2396	6	73340.	1.000	40.000
7	S2# 2	CS20 NITROBENZENE-D5	82	789	2	51313.	0.383	50.000
8	S3# 3	CS25 2-FLUOROBIPHENYL	172	1140	3	93249.	1.473	50.000
9	S5# 2	CS30 TERPHENYL-D14	244	1906	5	76944.	0.821	50.000
10	S1# 3	CS45 PHENOL-D5	99	636	1	135171.	1.704	100.000
11	S1# 2	CS50 2-FLUOROPHENOL	112	487	1	106560.	1.343	100.000
12	S3# 2	CS55 2,4,6-TRIBROMOPHENO	330	1435	3	15932.	0.126	100.000
13	S1#105	C315 PHENOL	94	638	1	76140.	1.920	50.000
14	S1#110	C325 BIS(2-CHLOROETHYL)E	93	650	1	60797.	1.533	50.000
15	S1#115	C330 2-CHLOROPHENOL	128	654	1	57145.	1.441	50.000
16	S1#125	C335 1,3-DICHLOROBENZENE	146	677	1	61694.	1.555	50.000
17	S1#130	C340 1,4-DICHLOROBENZENE	146	687	1	62836.	1.584	50.000
18	S1#145	C345 BENZYL ALCOHOL	108	715	1	28006.	0.706	50.000
19	S1#150	C350 1,2-DICHLOROBENZENE	146	719	1	59683.	1.505	50.000
20	S1#160	C355 2-METHYLPHENOL	108	739	1	43664.	1.101	50.000
21	S1#165	C360 BIS(2-CHLOROISOPROP	45	744	1	106338.	2.681	50.000
22	S1#185	C365 4-METHYLPHENOL	108	767	1	45879.	1.157	50.000
23	S1#190	C370 N-NITROSO-DI-N-PROP	70	771	1	42185.	1.064	50.000
24	S1#200	C375 HEXACHLOROETHANE	117	773	1	23038.	0.581	50.000
25	S2# 10	C410 NITROBENZENE	77	793	2	53869.	0.402	50.000
26	S2# 20	C415 ISOPHORONE	82	838	2	99779.	0.745	50.000
27	S2# 25	C420 2-NITROPHENOL	139	852	2	29871.	0.223	50.000
28	S2# 30	C425 2,4-DIMETHYLPHENOL	107	864	2	38927.	0.291	50.000
29	S2# 35	C435 BIS(2-CHLOROETHOXY)	93	884	2	60993.	0.455	50.000
30	S2# 40	C440 2,4-DICHLOROPHENOL	162	897	2	41375.	0.309	50.000
31	S2# 45	C430 BENZOIC ACID	122	897	2	19572.	0.146	50.000
32	S2# 55	C445 1,2,4-TRICHLOROBENZ	180	912	2	44568.	0.333	50.000
33	S2# 60	C450 NAPHTHALENE	128	923	2	143964.	1.075	50.000
34	S2# 80	C455 4-CHLOROANALINE	127	941	2	57165.	0.427	50.000
35	S2# 95	C460 HEXACHLOROBUTADIENE	225	961	2	23070.	0.172	50.000
36	S2#130	C465 4-CHLORO-3-METHYLPH	107	1039	2	36521.	0.273	50.000
37	S2#145	C470 2-METHYLNAPHTHALENE	142	1059	2	85576.	0.639	50.000
38	S3# 20	C510 HEXACHLOROCYCLOPENT	237	1105	3	18664.	0.295	50.000
39	S3# 25	C515 2,4,6-TRICHLOROPHEN	196	1122	3	26798.	0.423	50.000
40	S3# 30	C520 2,4,5-TRICHLOROPHEN	196	1129	3	28265.	0.446	50.000
41	S3# 40	C525 2-CHLORONAPHTHALENE	162	1156	3	82240.	1.299	50.000
42	S3# 45	C530 2-NITROANALINE	65	1187	3	27462.	0.434	50.000
43	S3# 55	C535 DIMETHYLPHTHALATE	163	1234	3	90210.	1.425	50.000
44	S3# 65	C540 ACENAPHTHYLENE	152	1240	3	122873.	1.941	50.000
45	S3# 70	C543 2,6-DINITROTOLUENE	165	1246	3	22015.	0.348	50.000
46	S3# 75	C545 3-NITROANILINE	138	1272	3	24414.	0.386	50.000
47	S3# 80	C550 ACENAPHTHENE	153	1279	3	76034.	1.201	50.000
48	S3# 85	C555 2,4-DINITROPHENOL	184	1291	3	11911.	0.188	50.000
49	S3# 90	C565 DIBENZOFURAN	168	1311	3	111221.	1.757	50.000
50	S3# 95	C560 4-NITROPHENOL	109	1309	3	9544.	0.151	50.000
51	S3#105	C570 2,4-DINITROTOLUENE	165	1324	3	26616.	0.420	50.000
52	S3#130	C580 DIETHYLPHTHALATE	149	1380	3	92678.	1.464	50.000
53	S3#135	C590 FLUORENE	166	1382	3	87873.	1.388	50.000
54	S3#140	C585 4-CHLOROPHENYL-PHEN	204	1385	3	40506.	0.640	50.000
55	S3#150	C595 4-NITROANALINE	138	1399	3	21866.	0.345	50.000
56	S4# 10	C610 4,6-DINITRO-2-METHY	198	1407	4	16825.	0.171	50.000
57	S4# 15	C615 N-NITROSODIPHENYLAM	169	1412	4	61653.	0.625	50.000
58	S4# 30	C625 4-BROMOPHENYL-PHENY	248	1483	4	19627.	0.199	50.000
59	S4# 40	C630 HEXACHLOROBENZENE	284	1510	4	19612.	0.199	50.000
60	S4# 50	C635 PENTACHLOROPHENOL	266	1548	4	14968.	0.152	50.000
61	S4# 65	C640 PHENANTHRENE	178	1576	4	112931.	1.146	50.000
62	S4# 70	C645 ANTHRACENE	178	1585	4	114253.	1.159	50.000
63	S4# 85	C650 DI-N-BUTYLPHTHALATE	149	1712	4	154009.	1.562	50.000
64	S4#110	C655 FLUORANTHENE	202	1820	4	109817.	1.114	50.000
65	S5# 15	C715 PYRENE	202	1867	5	109950.	1.173	50.000
66	S5# 40	C720 BUTYLBENZYLPHTHALAT	149	2017	5	63373.	0.676	50.000
67	S5# 50	C730 BENZO(A)ANTHRACENE	228	2114	5	109226.	1.165	50.000
68	S5# 55	C725 3,3'-DICHLOROBENZID	252	2118	5	91549.	0.488	100.000
69	S5# 60	C740 CHRYSENE	228	2125	5	94011.	1.003	50.000
70	S5# 65	C745 BIS(2-ETHYLHEXYL)PH	149	2142	5	97760.	1.043	50.000
71	S6# 10	C760 DI-N-OCTYL PHTHALAT	149	2262	6	175721.	1.917	50.000
72	S6# 15	C765 BENZO(B)FLUORANTHEN	252	2327	6	117844.	1.285	50.000

74	S6#	35	C775	BENZO(A)PYRENE	252	2386	6	112127.	1.223	50.000
75	S6#	55	C780	INDENO(1,2,3-CD)PYR	276	2599	6	124297.	1.356	50.000
76	S6#	60	C785	DIBENZ(A,H)ANTHRACE	278	2601	6	102801.	1.121	50.000
77	S6#	65	C790	BENZO(G,H,I)PERYLEN	276	2656	6	101608.	1.108	50.000

6/2/88 16:02:29 SCAN 1 OF 2800
Acquisition started

Acquire
06/02/88 16:02:00 + 0:04
Sample: 50 PPM PYRIDINE STD
Conds.:
Formula:
Submitted by: RMAL

Run 0:STDU548
Free sectors: 27815

Instrument: 4500
Analyst: KS

ACQUIRING
Scan: 5 of 2800

Weight: 0.000
Acct. No:

********** GC PARAMETERS **********

Loaded GC Desc:ST Current GC oven tmp: 30 DegC Injector : 250 DegC
Current GC Desc:ST GC elapsed time : 0: 3 min Int.oven : 260 DegC

Seq.#	Temp(C)	Rate(C/m)	Time(min)	Total time(min)		Open	Close
1	30 - 30	-	1.0	1.0	Sweep/Split	0.5	0.0
2	30 - 325	10.0	29.5	30.5	Divert	40.5	0.0
3	325 - 325	-	10.0	40.5			
4	325 - 325	-	0.0	40.5			

********** SCAN PARAMETERS **********

Low mass: 35 Up: 0.70 L* Top: 0.00
High mass: 500 Down: 0.00 L Bottom: 0.05

Cent S/P: 10 Actual: 10 Samp Int (ms): 0.150 Peak Width: 1000.
Frag S/P: 10 Actual: 10 Samp Int (ms): 0.150 Inten/ion: 2

Min Peak Width: 3 Min Frag Width %: 80 Min Area: 30
ADC Threshold: 1 Baseline: 0

***** Mode: Centroid positive ion + R1 (Temp)

Interface number	0	
Sub-interface number	0	
# of acqu buffers	16	
Instrument type	Q	
Full scale mass	1024	u
Zero scale mass	1	u
Intensity/ion	2	
Peak Width	1000.	mmu
Offset at low mass	0	mmu
Offset at high mass	0	mmu
Voltage settling time(MS)	4	

6/2/88 16:37:32
ACQUISITION COMPLETED
SCANS 1 TO 2800 Centroid

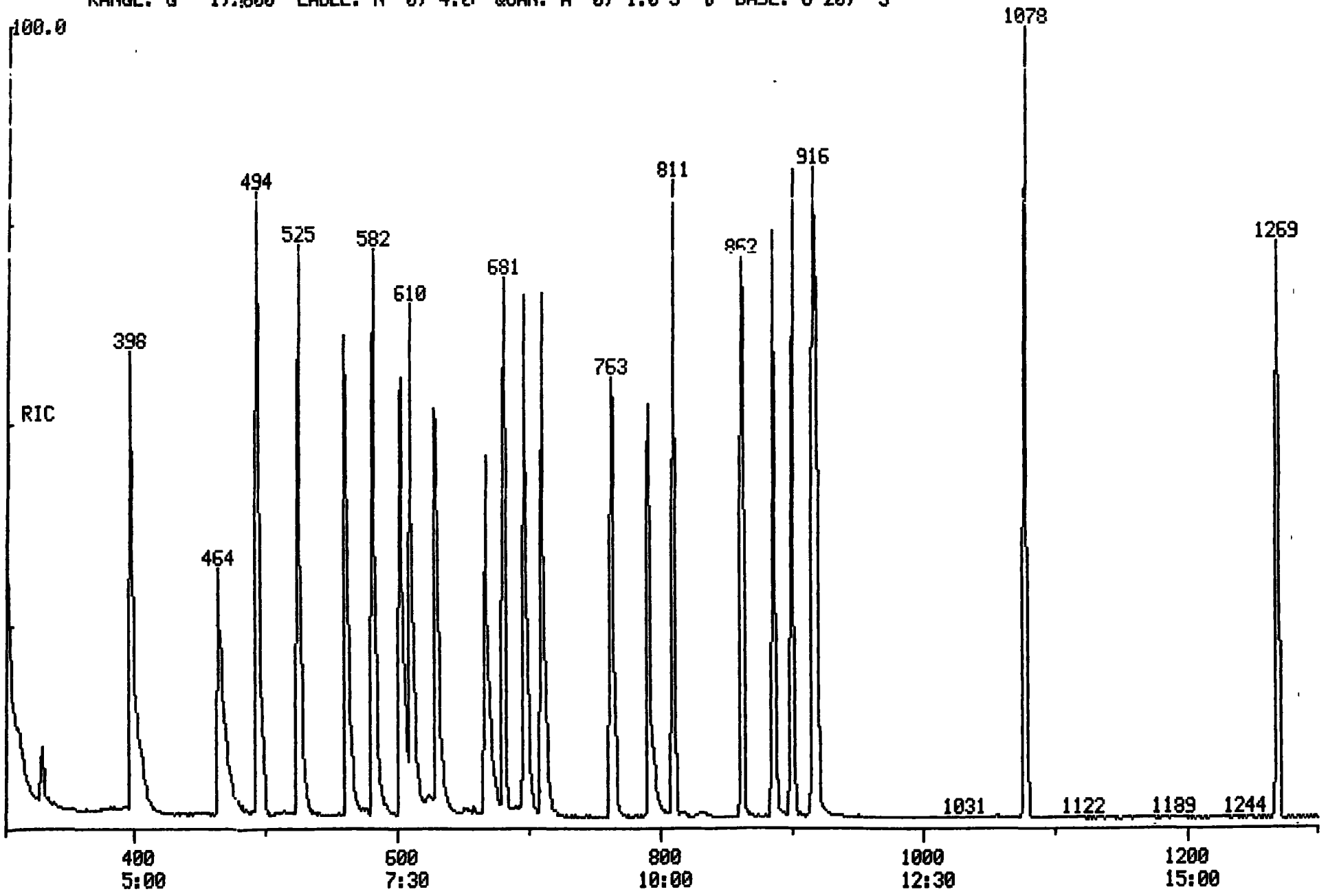
Mode	Scans	Secs	Out of	%	Peaks per scan	per sec
Centroid	2800	167.1	2100.0	8.0	24849. 9.	12.

00964

RIC
06/02/88 16:01:00
SAMPLE: 50 PPM PYRIDINE STD
CONDS.:
RANGE: G 1,1800 LABEL: N 0, 4.0 QUAN: A 0, 1.0 J 0 BASE: U 20, 3

DATA: STDU548 #1
CALI: 060288CU #5

SCANS 300 TO 1300
OUT OF 300 TO 2800

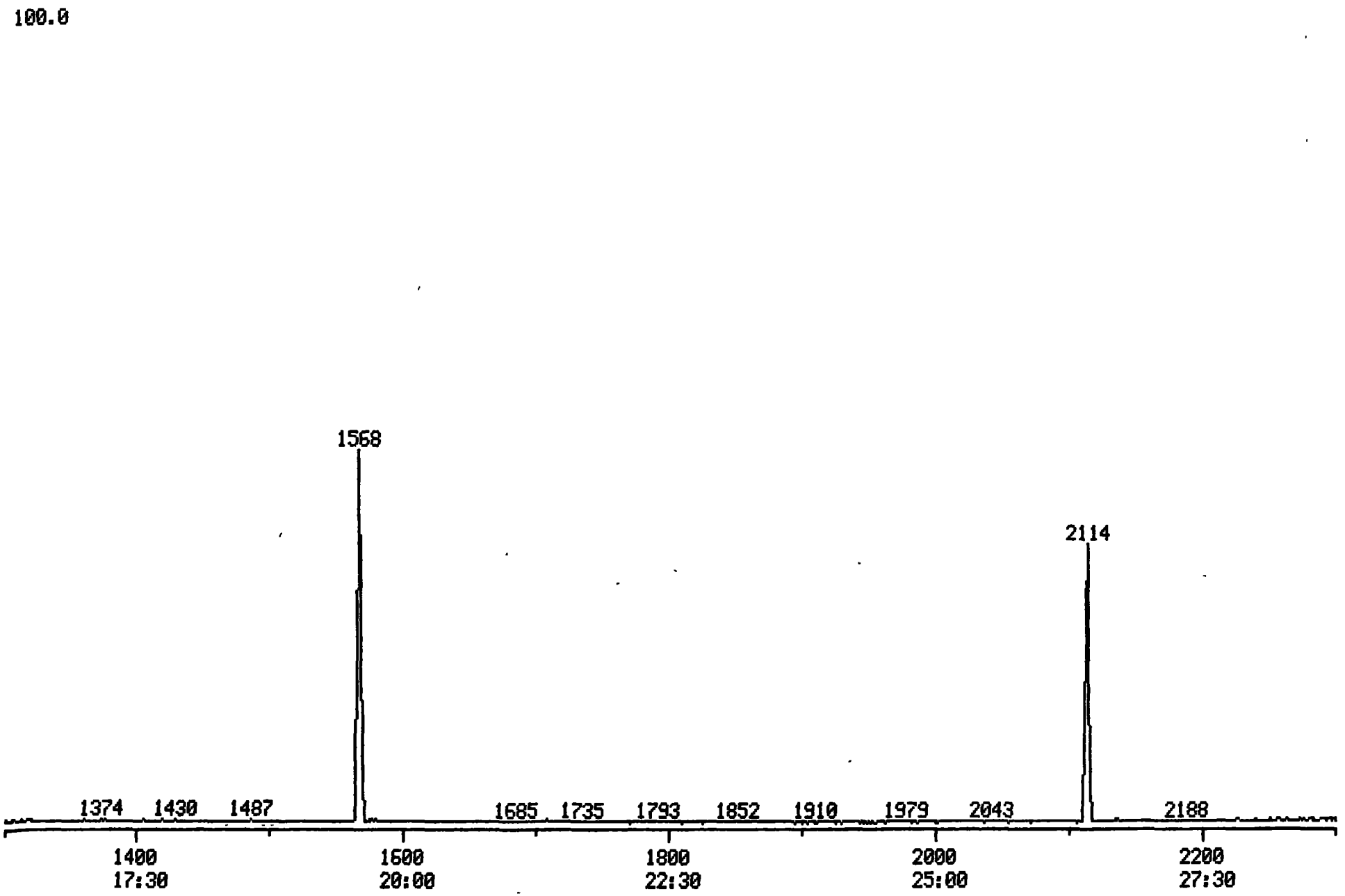


00965

RIC
06/02/88 16:02:00
SAMPLE: 50 PPM PYRIDINE STD
CONDS.:
RANGE: G 1,2800 LABEL: N 0, 4.0 QUAN: A 0, 1.0 J 0 BASE: U 20, 3

DATA: STDU548 #1
CALI: 060288CU #5

SCANS 1300 TO 2300
OUT OF 300 TO 2800



00966

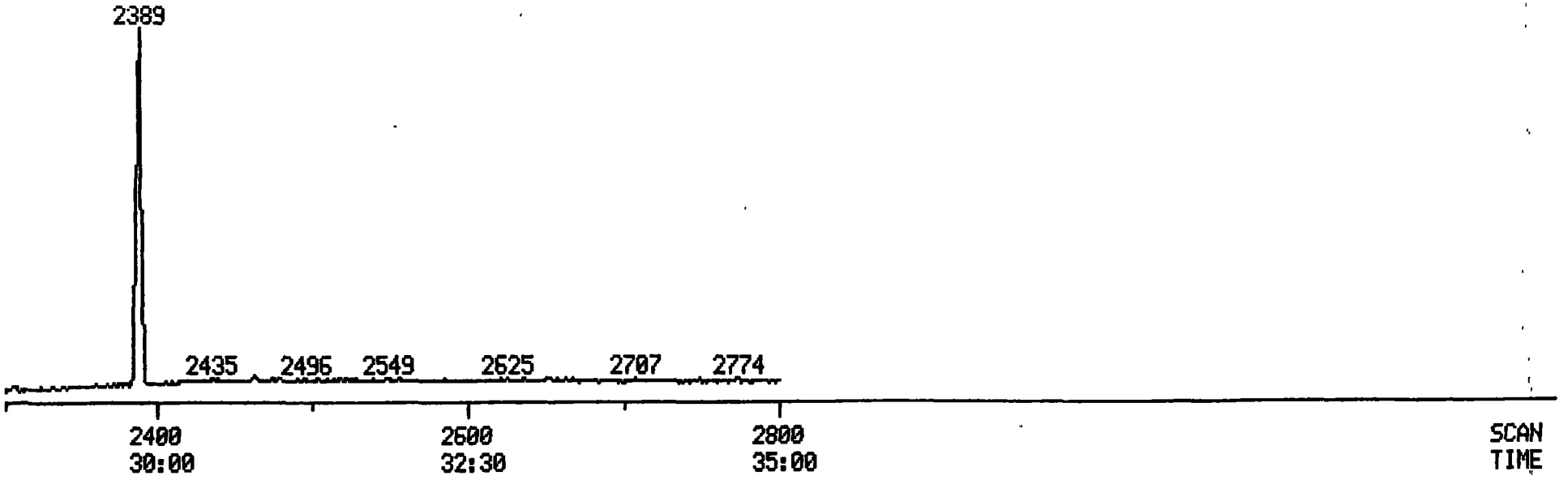
PIC
06/02/88 16:02:00
SAMPLE: 50 PPM PYRIDINE STD
CONDS.:
RANGE: G 1,2800 LABEL: N 0, 4.0 QUAN: A 0, 1.0 J 0 BASE: U 20, 3

DATA: STDU540 #1
CALI: 060288CU #5

SCANS 2300 TO 2800
OUT OF 300 TO 2800

100.0

46592.



Quantitation Report File: STDU548

Data: STDU548.TI
06/02/88 16:02:00
Sample: 50 PPM PYRIDINE STD
Conds.:
Formula: Instrument: 4500 Weight: 0.000
Submitted by: RMAL Analyst: KS Acct. No.:

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

No	Name			
1	CI30 1,4-DICHLOROBENZENE-D4	152	IS1# 01	3855-82-1
2	CI40 NAPHTHALENE-D8	136	IS2# 01	1146-65-2
3	CI50 ACENAPHTHENE-D10	164	IS3# 01	15067-26-2
4	PYRIDINE-D5	84	S1# 04	
5	PYRIDINE	79	S1# 20	110-86-1
6	2-PICOLINE	93	S1# 30	109-06-8
7	3 & 4-PICOLINE	93	S1# 62	
8	2,6-LUTIDINE	107	S1# 64	
9	2-ETHYL PYRIDINE	106	S1# 73	
10	2,4 & 2,5-LUTIDINE	107	S1# 83	
11	2,3-LUTIDINE	107	S1# 87	
12	3-ETHYL PYRIDINE	107	S1# 88	
13	4-ETHYL PYRIDINE	107	S1# 89	
14	3,5-LUTIDINE	107	S1# 92	
15	3,4-LUTIDINE	107	S1#122	
16	2-METHYL-5-ETHYL PYRIDINE	106	S1#137	
17	2-METHYL-3-ETHYL PYRIDINE	106	S1#142	
18	M AND P CRESOLS	108	S2#187	
19	3-ETHYL-4-METHYL PYRIDINE	106	S1#202	
20	3-ETHYL-5-METHYL PYRIDINE	106	S1#203	
21	2,6-DIMETHYL PHENOL	122	S1#204	
22	2,5-DIMETHYL PHENOL	107	S2# 27	
23	3,5-DIMETHYL PHENOL	107	S2# 37	
24	2,3-DIMETHYL PHENOL	107	S2# 47	
25	3,4-DIMETHYL PHENOL	107	S2# 57	
26	1-METHYLNAPHTHALENE	142	S2#150	90-12-0

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount	%Tot
1	152	681	8:31	1	1.000	A BB	11100.	40.000 UG/ML	3.10
2	136	916	11:27	2	1.000	A BB	38175.	40.000 UG/ML	3.10
3	164	1269	15:52	3	1.000	A BB	17556.	40.000 UG/ML	3.10
4	84	301	3:46	1	0.442	A BV	17470.	40.501 UG/ML	3.14
5	79	303	3:47	1	0.445	A BB	22278.	55.824 UG/ML	4.32
6	93	398	4:58	1	0.584	A BB	22175.	52.352 UG/ML	4.05
7	93	464	5:48	1	0.681	A BB	18878.	50.819 UG/ML	3.93
8	107	494	6:10	1	0.725	A BB	26839.	52.526 UG/ML	4.07
9	106	525	6:34	1	0.771	A BB	31155.	52.716 UG/ML	4.08
10	107	561	7:01	1	0.824	A BV	22376.	58.674 UG/ML	4.54
11	107	582	7:16	1	0.855	A BB	23382.	53.224 UG/ML	4.12
12	107	602	7:31	1	0.884	A BV	17049.	50.619 UG/ML	3.92
13	107	610	7:37	1	0.896	A VB	15467.	56.057 UG/ML	4.34
14	107	629	7:52	1	0.924	A BB	17817.	53.300 UG/ML	4.13
15	107	667	8:20	1	0.979	A BB	17283.	46.612 UG/ML	3.61
16	106	696	8:42	1	1.022	A BB	25787.	48.548 UG/ML	3.76
17	106	710	8:52	1	1.043	A BB	17138.	48.782 UG/ML	3.78

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount		%Tot
18	108	763	9:32	1	1.120	A BB	17693.	47.506	UG/ML	3.68
19	106	791	9:53	1	1.162	A BB	18860.	56.679	UG/ML	4.39
20	106	791	9:53	1	1.162	A BB	18860.	56.679	UG/ML	4.39
21	122	811	10:08	1	1.191	A BB	15901.	48.953	UG/ML	3.79
22	107	862	10:46	2	0.941	A BB	15334.	47.501	UG/ML	3.68
23	107	886	11:04	2	0.967	A BB	15421.	47.528	UG/ML	3.68
24	107	900	11:15	2	0.983	A BB	16236.	48.820	UG/ML	3.78
25	107	919	11:29	1	1.349	A BB	19955.	46.627	UG/ML	3.61
26	142	1078	13:28	2	1.177	A BB	32055.	50.661	UG/ML	3.92

No	Ret(L)	Ratio	RRT(L)	Ratio	Amnt	Amnt(L)	R.Fac	R.Fac(L)	Ratio
1	8:35	0.99	1.000	1.00	40.00	40.00	1.000	1.000	1.00
2	11:32	0.99	1.000	1.00	40.00	40.00	1.000	1.000	1.00
3	15:57	0.99	1.000	1.00	40.00	40.00	1.000	1.000	1.00
4	3:45	1.00	0.440	1.00	40.50	50.00	1.259	1.554	0.81
5	3:46	1.00	0.443	1.00	55.82	50.00	1.606	1.438	1.12
6	4:58	1.00	0.584	1.00	52.35	50.00	1.598	1.526	1.05
7	5:48	1.00	0.680	1.00	50.82	50.00	1.361	1.339	1.02
8	6:11	1.00	0.726	1.00	52.53	50.00	1.934	1.841	1.05
9	6:34	1.00	0.770	1.00	52.72	50.00	2.245	2.130	1.05
10	7:01	1.00	0.824	1.00	58.67	50.00	1.613	1.374	1.17
11	7:16	1.00	0.853	1.00	53.22	50.00	1.685	1.583	1.06
12	7:32	1.00	0.884	1.00	50.62	50.00	1.229	1.214	1.01
13	7:38	1.00	0.896	1.00	56.06	50.00	1.115	0.994	1.12
14	7:52	1.00	0.924	1.00	53.30	50.00	1.284	1.205	1.07
15	8:20	1.00	0.978	1.00	46.61	50.00	1.246	1.336	0.93
16	8:43	1.00	1.022	1.00	48.55	50.00	1.859	1.914	0.97
17	8:53	1.00	1.043	1.00	48.78	50.00	1.235	1.266	0.98
18	9:34	1.00	1.122	1.00	47.51	50.00	1.275	1.342	0.95
19	9:54	1.00	1.161	1.00	56.68	50.00	1.359	1.199	1.13
20	9:54	1.00	1.161	1.00	56.68	50.00	1.359	1.199	1.13
21	10:09	1.00	1.191	1.00	48.95	50.00	1.146	1.171	0.98
22	10:48	1.00	0.942	1.00	47.50	50.00	0.321	0.338	0.95
23	11:06	1.00	0.968	1.00	47.53	50.00	0.323	0.340	0.95
24	11:16	1.00	0.983	1.00	48.82	50.00	0.340	0.348	0.98
25	11:30	1.00	1.349	1.00	46.63	50.00	1.438	1.542	0.93
26	13:29	1.00	1.177	1.00	50.66	50.00	0.672	0.663	1.01

Quantitation Report File: STDU548

Data: STDU548.TI
06/02/88 16:02:00
Sample: 50 PPM PYRIDINE STD
Conds.:
Formula: Instrument: 4500 Weight: 0.000
Submitted by: RMAL Analyst: KS Acct. No.:

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

No	Name			
1	CI30 1,4-DICHLOROBENZENE-D4	152	IS1# 01	3855-82-1
2	CI40 NAPHTHALENE-D8	136	IS2# 01	1146-65-2
3	CI50 ACENAPHTHENE-D10	164	IS3# 01	15067-26-2
4	PYRIDINE-D5	84	S1# 04	
5	PYRIDINE	79	S1# 20	110-86-1
6	2-PICOLINE	93	S1# 30	109-06-8
7	3 & 4-PICOLINE	93	S1# 62	
8	2,6-LUTIDINE	107	S1# 64	
9	2-ETHYL PYRIDINE	106	S1# 73	
10	2,4 & 2,5-LUTIDINE	107	S1# 83	
11	2,3-LUTIDINE	107	S1# 87	
12	3-ETHYL PYRIDINE	107	S1# 88	
13	4-ETHYL PYRIDINE	107	S1# 89	
14	3,5-LUTIDINE	107	S1# 92	
15	3,4-LUTIDINE	107	S1#122	
16	2-METHYL-5-ETHYL PYRIDINE	106	S1#137	
17	2-METHYL-3-ETHYL PYRIDINE	106	S1#142	
18	M AND P CRESOLS	108	S2#187	
19	3-ETHYL-4-METHYL PYRIDINE	106	S1#202	
20	3-ETHYL-5-METHYL PYRIDINE	106	S1#203	
21	2,6-DIMETHYL PHENOL	122	S1#204	
22	2,5-DIMETHYL PHENOL	107	S2# 27	
23	3,5-DIMETHYL PHENOL	107	S2# 37	
24	2,3-DIMETHYL PHENOL	107	S2# 47	
25	3,4-DIMETHYL PHENOL	107	S2# 57	
26	1-METHYLNAPHTHALENE	142	S2#150	90-12-0

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount	%Tot
1	152	681	8:31	1	1.000	A BB	11100.	40.000 UG/ML	3.15
2	136	916	11:27	2	1.000	A BB	38175.	40.000 UG/ML	3.15
3	164	1269	15:52	3	1.000	A BB	17556.	40.000 UG/ML	3.15
4	84	301	3:46	1	0.442	A BV	17470.	50.000 UG/ML	3.94
5	79	303	3:47	1	0.445	A BB	22278.	50.000 UG/ML	3.94
6	93	398	4:58	1	0.584	A BB	22175.	50.000 UG/ML	3.94
7	93	464	5:48	1	0.681	A BB	18878.	50.000 UG/ML	3.94
8	107	494	6:10	1	0.725	A BB	26838.	50.000 UG/ML	3.94
9	106	525	6:34	1	0.771	A BB	31155.	50.000 UG/ML	3.94
10	107	561	7:01	1	0.824	A BV	22376.	50.000 UG/ML	3.94
11	107	582	7:16	1	0.855	A BB	23381.	50.000 UG/ML	3.94
12	107	602	7:31	1	0.884	A BV	17049.	50.000 UG/ML	3.94
13	107	610	7:37	1	0.896	A VB	15467.	50.000 UG/ML	3.94
14	107	629	7:52	1	0.924	A BB	17817.	50.000 UG/ML	3.94
15	107	667	8:20	1	0.979	A BB	17285.	50.000 UG/ML	3.94
16	106	696	8:42	1	1.022	A BB	25787.	50.000 UG/ML	3.94
17	106	710	8:52	1	1.043	A BB	17138.	50.000 UG/ML	3.94

No	m/z	Scan	Time	Ref	RRT	Meth	Area(hght)	Amount		%Tot
18	108	763	9:32	1	1.120	A BB	17693.	50.000	UG/ML	3.94
19	106	791	9:53	1	1.162	A BB	18860.	50.000	UG/ML	3.94
20	106	791	9:53	1	1.162	A BB	18860.	50.000	UG/ML	3.94
21	122	811	10:08	1	1.191	A BB	15901.	50.000	UG/ML	3.94
22	107	862	10:46	2	0.941	A BB	15334.	50.000	UG/ML	3.94
23	107	886	11:04	2	0.967	A BB	15421.	50.000	UG/ML	3.94
24	107	900	11:15	2	0.983	A BB	16236.	50.000	UG/ML	3.94
25	107	919	11:29	1	1.349	A BB	19955.	50.000	UG/ML	3.94
26	142	1078	13:28	2	1.177	A BB	32055.	50.000	UG/ML	3.94

No	Ret(L)	Ratio	RRT(L)	Ratio	Amnt	Amnt(L)	R.Fac	R.Fac(L)	Ratio
1	8:31	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
2	11:27	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
3	15:52	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
4	3:46	1.00	0.442	1.00	50.00	50.00	1.259	1.259	1.00
5	3:47	1.00	0.445	1.00	50.00	50.00	1.606	1.606	1.00
6	4:58	1.00	0.584	1.00	50.00	50.00	1.598	1.598	1.00
7	5:48	1.00	0.681	1.00	50.00	50.00	1.361	1.361	1.00
8	6:10	1.00	0.725	1.00	50.00	50.00	1.934	1.934	1.00
9	6:34	1.00	0.771	1.00	50.00	50.00	2.245	2.245	1.00
10	7:01	1.00	0.824	1.00	50.00	50.00	1.613	1.613	1.00
11	7:16	1.00	0.855	1.00	50.00	50.00	1.685	1.685	1.00
12	7:31	1.00	0.884	1.00	50.00	50.00	1.229	1.229	1.00
13	7:37	1.00	0.896	1.00	50.00	50.00	1.115	1.115	1.00
14	7:52	1.00	0.924	1.00	50.00	50.00	1.284	1.284	1.00
15	8:20	1.00	0.979	1.00	50.00	50.00	1.246	1.246	1.00
16	8:42	1.00	1.022	1.00	50.00	50.00	1.859	1.859	1.00
17	8:52	1.00	1.043	1.00	50.00	50.00	1.235	1.235	1.00
18	9:32	1.00	1.120	1.00	50.00	50.00	1.275	1.275	1.00
19	9:53	1.00	1.162	1.00	50.00	50.00	1.359	1.359	1.00
20	9:53	1.00	1.162	1.00	50.00	50.00	1.359	1.359	1.00
21	10:08	1.00	1.191	1.00	50.00	50.00	1.146	1.146	1.00
22	10:46	1.00	0.941	1.00	50.00	50.00	0.321	0.321	1.00
23	11:04	1.00	0.967	1.00	50.00	50.00	0.323	0.323	1.00
24	11:15	1.00	0.983	1.00	50.00	50.00	0.340	0.340	1.00
25	11:29	1.00	1.349	1.00	50.00	50.00	1.438	1.438	1.00
26	13:28	1.00	1.177	1.00	50.00	50.00	0.672	0.672	1.00

RMAL QUANTITATION SUMMARY FILE: STDU548
COMPOUNDS WITH AMOUNTS LESS THAN 1.00 REPORTED AS NOT FOUND

UNITS: UG/ML

NO	LIBRARY ENTRY	NAME	MASS	SCAN	REF	AREA	RRF	AMOUNT
1	S1# 1	CI30 1,4-DICHLOROBENZENE	152	681	1	11100.	1.000	40.000
2	S2# 1	CI40 NAPHTHALENE-D8	136	916	2	38175.	1.000	40.000
3	S3# 1	CI50 ACENAPHTHENE-D10	164	1269	3	17556.	1.000	40.000
4	S1# 4	PYRIDINE-D5	84	301	1	17470.	1.259	50.000
5	S1# 20	PYRIDINE	79	303	1	22278.	1.606	50.000
6	S1# 30	2-PICOLINE	93	398	1	22175.	1.598	50.000
7	S1# 62	3 & 4-PICOLINE	93	464	1	18878.	1.361	50.000
8	S1# 64	2,6-LUTIDINE	107	494	1	26839.	1.934	50.000
9	S1# 73	2-ETHYL PYRIDINE	106	525	1	31155.	2.245	50.000
10	S1# 83	2,4 & 2,5-LUTIDINE	107	561	1	22376.	1.613	50.000
11	S1# 87	2,3-LUTIDINE	107	582	1	23382.	1.685	50.000
12	S1# 88	3-ETHYL PYRIDINE	107	602	1	17049.	1.229	50.000
13	S1# 89	4-ETHYL PYRIDINE	107	610	1	15467.	1.115	50.000
14	S1# 92	3,5-LUTIDINE	107	629	1	17817.	1.284	50.000
15	S1#122	3,4-LUTIDINE	107	667	1	17283.	1.246	50.000
16	S1#137	2-METHYL-5-ETHYL PYRIDIN	106	696	1	25787.	1.859	50.000
17	S1#142	2-METHYL-3-ETHYL PYRIDIN	106	710	1	17138.	1.235	50.000
18	S1#187	M AND P CRESOLS	108	763	1	17693.	1.275	50.000
19	S1#202	3-ETHYL-4-METHYL PYRIDIN	106	791	1	18860.	1.359	50.000
20	S1#203	3-ETHYL-5-METHYL PYRIDIN	106	791	1	18860.	1.359	50.000
21	S1#204	2,6-DIMETHYL PHENOL	122	811	1	15901.	1.146	50.000
22	S2# 27	2,5-DIMETHYL PHENOL	107	862	2	15334.	0.321	50.000
23	S2# 37	3,5-DIMETHYL PHENOL	107	886	2	15421.	0.323	50.000
24	S2# 47	2,3-DIMETHYL PHENOL	107	900	2	16236.	0.340	50.000
25	S2# 57	3,4-DIMETHYL PHENOL	107	919	1	19955.	1.438	50.000
26	S2#150	1-METHYLNAPHTHALENE	142	1078	2	32055.	0.672	50.000

6/3/88 16:45:12 SCAN 1 OF 2800

Acquisition started

00972

Acquire
06/03/88 16:45:00 + 0:07
Sample: 50 PPM PYRIDINE STD
Conds.:
Formula:
Submitted by: RMAL

Run 0:STDU558
Free sectors: 24409

Instrument: 4500
Analyst: KS

ACQUIRING
Scan: 10 of 2800

Weight: 0.000
Acct. No:

****

GC PARAMETERS

****

Loaded GC Desc:ST Current GC oven tmp: 30 DegC
Current GC Desc:ST GC elapsed time : 0: 7 min

Injector : 250 DegC
Int.oven : 260 DegC

Seq.#	Temp(C)	Rate(C/m)	Time(min)	Total time(min)		Open	Close
1	30 - 30	-	1.0	1.0	Sweep/Split	0.5	0.0
2	30 - 325	10.0	29.5	30.5	Divert	40.5	0.0
3	325 - 325	-	10.0	40.5			
4	325 - 325	-	0.0	40.5			

****

SCAN PARAMETERS

****

Low mass: 35
High mass: 500

Up: 0.70 L*
Down: 0.00 L

Top: 0.00
Bottom: 0.05

Cent S/P: 10 Actual: 10
Frag S/P: 10 Actual: 10

Samp Int (ms): 0.150
Samp Int (ms): 0.150

Peak Width: 1000.
Inten/ion: 2

Min Peak Width: 3
ADC Threshold: 1

Min Frag Width %: 80
Baseline: 0

Min Area: 30

***** Mode: Centroid positive ion + R1 (Temp)

Interface number	0	
Sub-interface number	0	
# of acqu buffers	16	
Instrument type	Q	
Full scale mass	1024	u
Zero scale mass	1	u
Intensity/ion	2	
Peak Width	1000.	mmu
Offset at low mass	0	mmu
Offset at high mass	0	mmu
Voltage settling time(MS)	4	

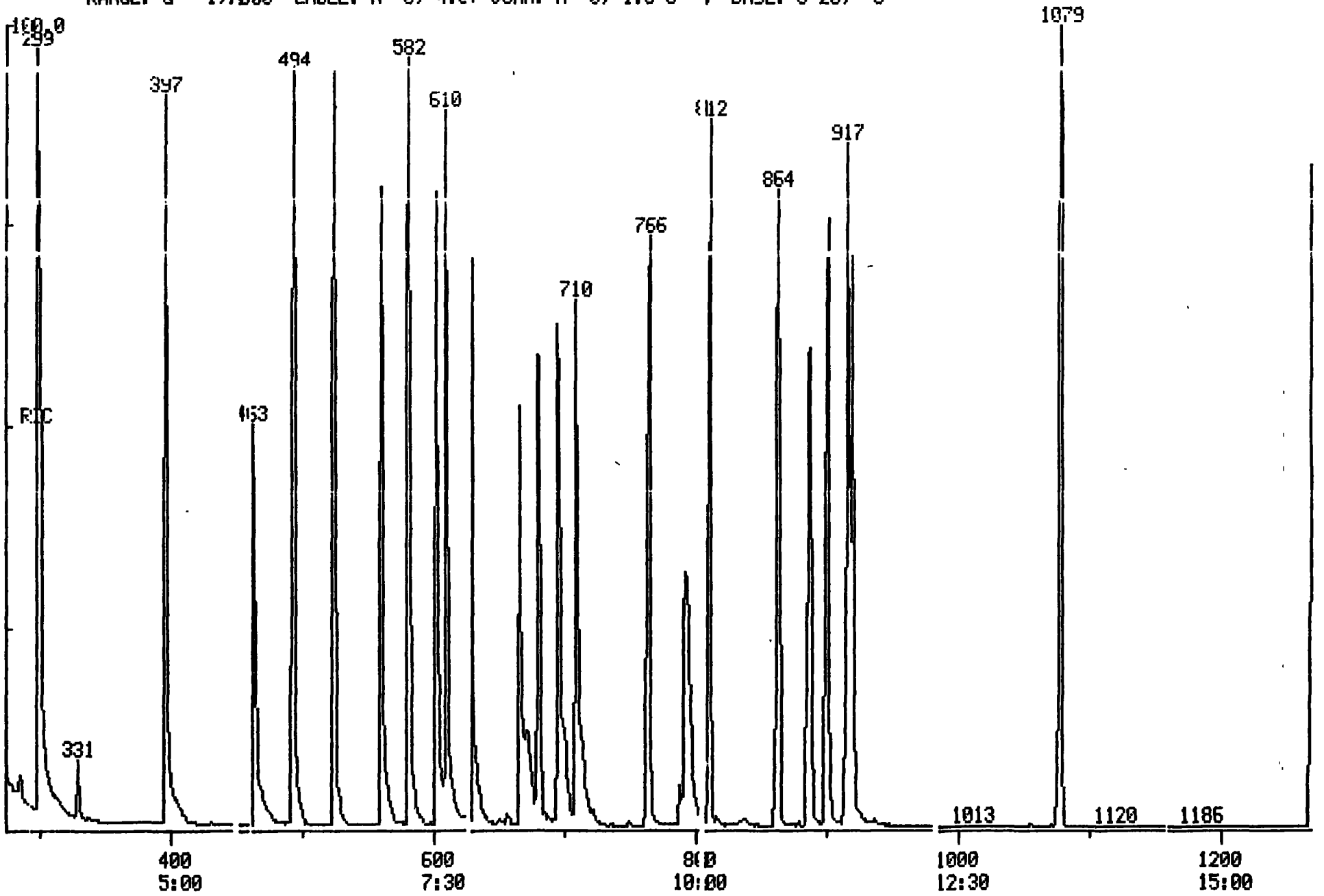
6/3/88 17:20:15
ACQUISITION COMPLETED
SCANS 1 TO 2800 Centroid

Mode	Scans	Secs	Out of	%	Peaks per scan	per sec
Centroid	2800	173.5	2100.0	8.3	28446. 10.	14.

00973

RIC
06/03/88 16:45:00
SAMPLE: 50 PPM PYRIDINE STD
CONDS.:
RANGE: G 1,1800 LABEL: N 0, 4.0 QUAN: A 0, 1.0 J 1 BASE: U 20, 3

DATA: STDU558 #4 SCANS 270 TO 1210
CALI: 060388CU #5 OUT OF 270 TO 2800



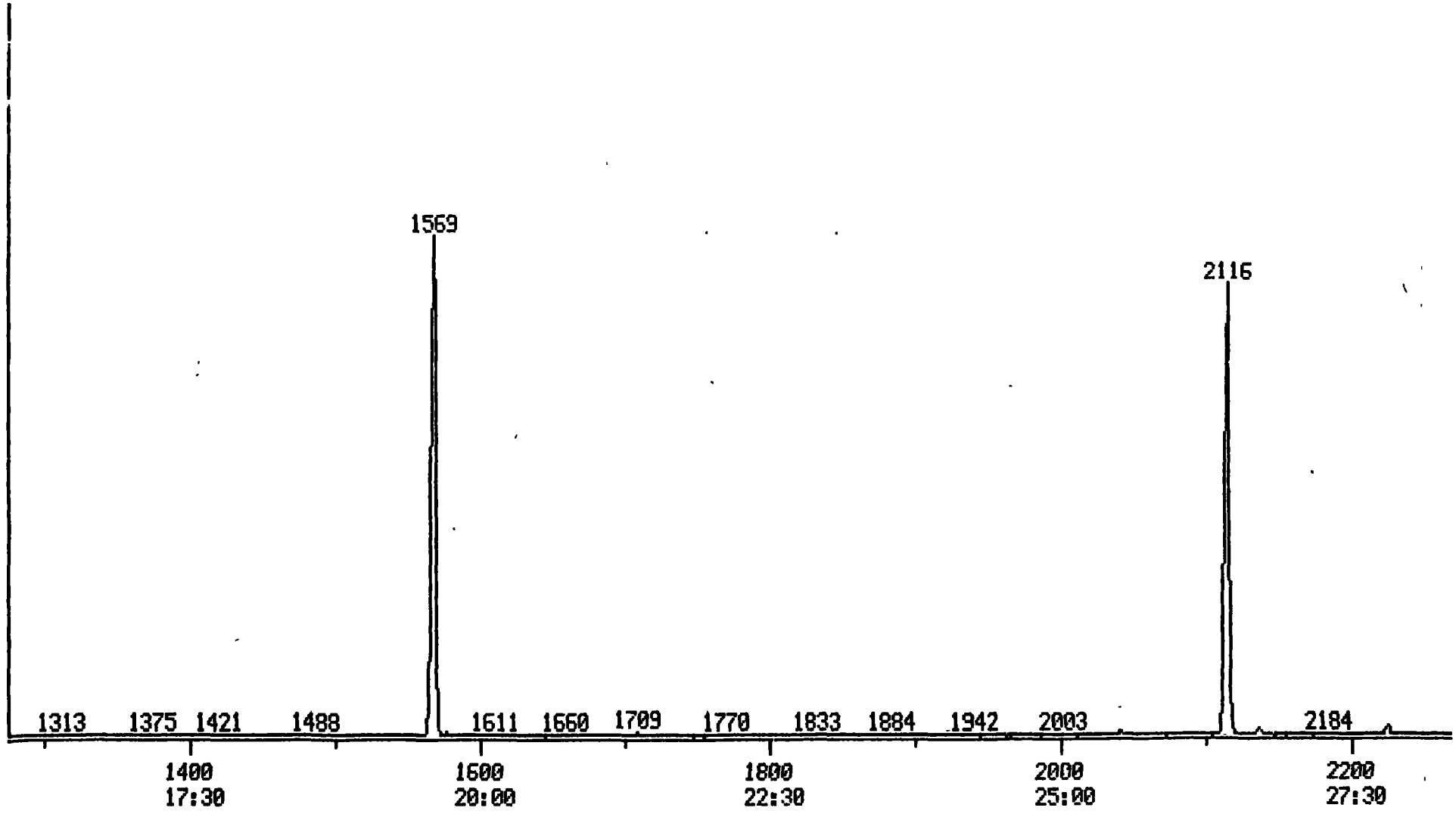
00974

DIC
06/03/88 16:45:00
SAMPLE: 50 PPM PYRIDINE STD
CONDS.:
RANGE: G 1,2800 LABEL: N 0, 4.0 QUAN: A 0, 1.0 J 0 BASE: U 20, 3

DATA: STDU550 #4
CALI: 060388CU #5

SCANS 1270 TO 2270
OUT OF 270 TO 2800

100.0



009975

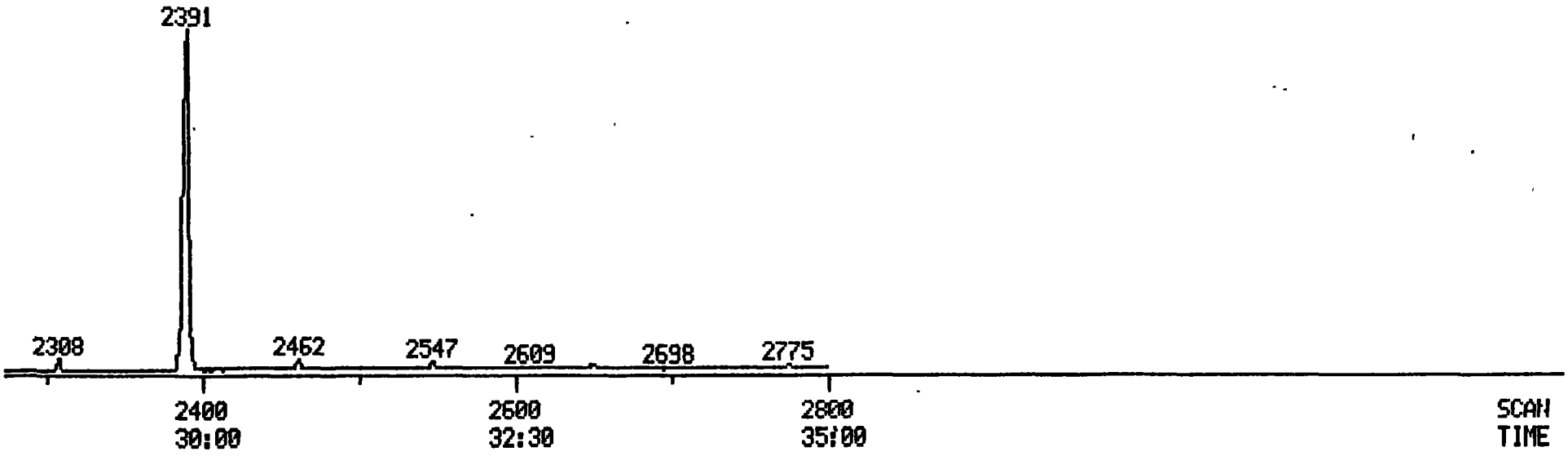
RIC
05/03/88 16:45:00
SAMPLE: 50 PPM PYRIDINE STD
CONDS.:
RANGE: G 1,2800 LABEL: N 0, 4.0 QUAN: A 0, 1.0 J 0 BASE: U 20, 3

DATA: STDU550 #4
CALI: 050388CU #5

SCANS 2270 TO 2900
OUT OF 270 TO 2800

100.0

122240.



PROCEDURE: TCA DIAGNOSTIC REPORT 6/03/88 17:22:47
DATA FILE: STDU558
REFERENCE: 11TABLE
NAME LIST: LLNL INITIALIZATION OPTION: 2 PROCESSING OPTION: 3 00976
REPORT: ISO1

STANDARDS				PLUS UNKNOWNS				LIST NAMES
PROC	USED	POSS	RMS	PROC	USED	POSS	RMS	STANDARD/UNKNOWN
1	1	1	0	13	13	16	64	ISO1/TCO1
3	3	1	0	14	14	4	89	ISO2/TCO2

26 COMPOUNDS PROCESSED, 26 FOUND

COMPOUND			SEARCH						SAT	CHRO			
NO	LIB	ENTRY	REF	PRED	SEL	DELTA	PEAKS	FIT	PEAKS	M/Z	TOP	DELTA	PEAKS
1	S1	1	-681	681	681	.	1	959	.	152	681	.	1
2	S1	4	-301	299	299	.	1	974	.	84	299	.	1
3	S1	20	-303	301	301	.	1	995	.	79	301	.	1
4	S1	30	-399	397	397	.	1	990	.	93	397	.	1
5	S1	62	-465	463	462	-1	1	992	.	93	462	.	1
6	S1	64	-495	494	494	.	1	990	.	107	494	.	1
7	S1	73	-526	525	525	.	1	989	.	106	525	.	1
8	S1	83	-562	561	561	.	1	990	.	107	561	.	1
9	S1	87	-583	582	582	.	1	983	.	107	582	.	1
10	S1	88	-603	602	602	.	2	990	.	107	602	.	1
11	S1	89	-611	610	610	.	2	982	.	107	610	.	1
12	S1	92	-630	629	629	.	2	992	.	107	629	.	1
13	S1	122	-668	667	666	-1	2	988	.	107	666	.	1
14	S2	1	-917	917	917	.	1	997	.	136	917	.	1
15	S3	1	-1270	1270	1270	.	1	997	.	164	1270	.	1
16	S1	137	-697	697	696	-1	1	991	.	106	696	.	1
17	S1	142	-711	711	710	-1	1	958	.	106	710	.	1
18	S1	187	-764	764	766	2	1	921	.	108	766	.	1
19	S1	203	-792	792	793	1	2	988	.	106	793	.	1
20	S1	202	-792	792	793	1	2	988	.	106	793	.	1
21	S1	204	-812	812	812	.	1	987	.	122	812	.	1
22	S2	27	-864	864	864	.	1	991	.	107	864	.	1
23	S2	37	-888	888	888	.	1	994	.	107	889	1	1
24	S2	47	-902	902	902	.	1	985	.	107	902	.	1
25	S2	57	-920	920	921	1	1	992	.	107	921	.	1
26	S2	150	-1080	1080	1079	-1	1	967	.	142	1079	.	1

Quantitation Report File: STDU558

Data: STDU558.TI
06/03/88 16:45:00
Sample: 50 PPM PYRIDINE STD
Conds.:
Formula: Instrument: 4500 Weight: 0.000
Submitted by: RMAL Analyst: KS Acct. No.:

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

No	Name			
1	CI30 1,4-DICHLOROBENZENE-D4	152	IS1# 01	3855-62-1
2	PYRIDINE-D5	84	S1# 04	
3	PYRIDINE	79	S1# 20	110-86-1
4	2-PICOLINE	93	S1# 30	109-06-8
5	3 & 4-PICOLINE	93	S1# 62	
6	2,6-LUTIDINE	107	S1# 64	
7	2-ETHYL PYRIDINE	106	S1# 73	
8	2,4 & 2,5-LUTIDINE	107	S1# 83	
9	2,3-LUTIDINE	107	S1# 87	
10	3-ETHYL PYRIDINE	107	S1# 88	
11	4-ETHYL PYRIDINE	107	S1# 89	
12	3,5-LUTIDINE	107	S1# 92	
13	3,4-LUTIDINE	107	S1#122	
14	CI40 NAPHTHALENE-D8	136	IS2# 01	1146-65-2
15	CI50 ACENAPHTHENE-D10	164	IS3# 01	15067-26-2
16	2-METHYL-5-ETHYL PYRIDINE	106	S1#137	
17	2-METHYL-3-ETHYL PYRIDINE	106	S1#142	
18	M AND P CRESOLS	108	S2#187	
19	3-ETHYL-5-METHYL PYRIDINE	106	S1#203	
20	3-ETHYL-4-METHYL PYRIDINE	106	S1#202	
21	2,6-DIMETHYL PHENOL	122	S1#204	
22	2,5-DIMETHYL PHENOL	107	S2# 27	
23	3,5-DIMETHYL PHENOL	107	S2# 37	
24	2,3-DIMETHYL PHENOL	107	S2# 47	
25	3,4-DIMETHYL PHENOL	107	S2# 57	
26	1-METHYLNAPHTHALENE	142	S2#150	90-12-0

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount		%Tot
1	152	681	8:31	1	1.000	A BB	28122.	40.000	UG/ML	2.98
2	84	299	3:44	1	0.439	A BB	62672.	70.797	UG/ML	5.26
3	79	301	3:46	1	0.442	A BB	53952.	47.794	UG/ML	3.57
4	93	397	4:58	1	0.583	A BB	50633.	45.062	UG/ML	3.36
5	93	462	5:46	1	0.678	A BB	57318.	59.918	UG/ML	4.47
6	107	494	6:10	1	0.725	A BB	64258.	47.249	UG/ML	3.53
7	106	525	6:34	1	0.771	A BB	76097.	48.203	UG/ML	3.60
8	107	561	7:01	1	0.824	A BB	54469.	48.039	UG/ML	3.58
9	107	582	7:16	1	0.855	A BB	59481.	50.202	UG/ML	3.75
10	107	602	7:31	1	0.884	A BV	41824.	48.413	UG/ML	3.61
11	107	610	7:37	1	0.896	A VB	43007.	54.874	UG/ML	4.09
12	107	629	7:52	1	0.924	A BB	49786.	55.145	UG/ML	4.11
13	107	666	8:19	1	0.978	A BB	48506.	55.386	UG/ML	4.13
14	136	917	11:28	14	1.000	A BB	104388.	40.000	UG/ML	2.98
15	164	1270	15:52	15	1.000	A BB	56200.	40.000	UG/ML	2.98
16	106	696	8:42	1	1.022	A BB	66541.	50.924	UG/ML	3.80
17	106	710	8:52	1	1.043	A VB	45995.	52.969	UG/ML	3.95

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount		%Tot
18	108	766	9:34	1	1.125	A BB	49058.	54.719	UG/ML	4.08
19	106	793	9:55	1	1.164	A BB	53104.	55.567	UG/ML	4.15
20	106	793	9:55	1	1.164	A BB	53104.	55.567	UG/ML	4.15
21	122	812	10:09	1	1.192	A BB	42334.	52.541	UG/ML	3.92
22	107	864	10:48	14	0.942	A BV	43575.	51.962	UG/ML	3.88
23	107	889	11:07	14	0.969	A BB	44083.	52.269	UG/ML	3.90
24	107	902	11:16	14	0.984	A BB	46687.	52.579	UG/ML	3.92
25	107	921	11:31	1	1.352	A BB	56021.	55.403	UG/ML	4.13
26	142	1079	13:29	14	1.177	A BB	95984.	54.752	UG/ML	4.08

No	Ret(L)	Ratio	RRT(L)	Ratio	Amnt	Amnt(L)	R.Fac	R.Fac(L)	Ratio
1	8:31	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
2	3:46	0.99	0.442	0.99	70.80	50.00	1.783	1.259	1.42
3	3:47	0.99	0.445	0.99	47.79	50.00	1.535	1.606	0.96
4	4:58	1.00	0.584	1.00	45.06	50.00	1.440	1.598	0.90
5	5:48	1.00	0.681	1.00	59.92	50.00	1.630	1.361	1.20
6	6:10	1.00	0.725	1.00	47.25	50.00	1.828	1.934	0.94
7	6:34	1.00	0.771	1.00	48.20	50.00	2.165	2.245	0.96
8	7:01	1.00	0.824	1.00	48.04	50.00	1.549	1.613	0.96
9	7:16	1.00	0.855	1.00	50.20	50.00	1.692	1.685	1.00
10	7:31	1.00	0.884	1.00	48.41	50.00	1.190	1.229	0.97
11	7:37	1.00	0.896	1.00	54.87	50.00	1.223	1.115	1.10
12	7:52	1.00	0.924	1.00	55.14	50.00	1.416	1.284	1.10
13	8:20	1.00	0.979	1.00	55.39	50.00	1.380	1.246	1.11
14	11:28	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
15	15:53	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
16	8:42	1.00	1.022	1.00	50.92	50.00	1.893	1.859	1.02
17	8:52	1.00	1.043	1.00	52.97	50.00	1.309	1.235	1.06
18	9:32	1.00	1.120	1.00	54.72	50.00	1.396	1.275	1.09
19	9:53	1.00	1.162	1.00	55.57	50.00	1.511	1.359	1.11
20	9:53	1.00	1.162	1.00	55.57	50.00	1.511	1.359	1.11
21	10:08	1.00	1.191	1.00	52.54	50.00	1.204	1.146	1.05
22	10:46	1.00	0.941	1.00	51.96	50.00	0.334	0.321	1.04
23	11:04	1.00	0.967	1.00	52.27	50.00	0.338	0.323	1.05
24	11:15	1.00	0.983	1.00	52.58	50.00	0.358	0.340	1.05
25	11:29	1.00	1.349	1.00	55.40	50.00	1.594	1.438	1.11
26	13:28	1.00	1.177	1.00	54.75	50.00	0.736	0.672	1.10

RMAL QUANTITATION SUMMARY FILE: STDU058
COMPOUNDS WITH AMOUNTS LESS THAN 1.00 REPORTED AS NOT FOUND

UNITS: UG/ML

NO	LIBRARY ENTRY	NAME	MASS	SCAN	REF	AREA	RRF	AMOUNT
1	S1# 1	CI30 1,4-DICHLOROBENZENE	152	681	1	28123.	1.000	40.000
2	S2# 1	CI40 NAPHTHALENE-D8	136	917	2	104388.	1.000	40.000
3	S3# 1	CI50 ACENAPHTHENE-D10	164	1270	3	56200.	1.000	40.000
4	S1# 4	PYRIDINE-D5	84	299	1	62673.	1.783	70.797
5	S1# 20	PYRIDINE	79	301	1	53953.	1.535	47.794
6	S1# 30	2-PICOLINE	93	397	1	50633.	1.440	45.062
7	S1# 62	3 & 4-PICOLINE	93	462	1	57318.	1.630	59.918
8	S1# 64	2,6-LUTIDINE	107	494	1	64258.	1.828	47.249
9	S1# 73	2-ETHYL PYRIDINE	106	525	1	76097.	2.165	48.202
10	S1# 83	2,4 & 2,5-LUTIDINE	107	561	1	54469.	1.549	48.039
11	S1# 87	2,3-LUTIDINE	107	582	1	59481.	1.692	50.202
12	S1# 88	3-ETHYL PYRIDINE	107	602	1	41824.	1.190	46.413
13	S1# 89	4-ETHYL PYRIDINE	107	610	1	43007.	1.223	54.674
14	S1# 92	3,5-LUTIDINE	107	629	1	49786.	1.416	55.145
15	S1#122	3,4-LUTIDINE	107	666	1	48506.	1.380	55.386
16	S1#137	2-METHYL-5-ETHYL PYRIDIN	106	696	1	66541.	1.893	50.924
17	S1#142	2-METHYL-3-ETHYL PYRIDIN	106	710	1	45999.	1.309	52.969
18	S1#187	M AND P CRESOLS	108	766	1	49058.	1.396	54.720
19	S1#202	3-ETHYL-4-METHYL PYRIDIN	106	793	1	53104.	1.511	55.567
20	S1#203	3-ETHYL-5-METHYL PYRIDIN	106	793	1	53104.	1.511	55.567
21	S1#204	2,6-DIMETHYL PHENOL	122	812	1	42334.	1.204	52.541
22	S2# 27	2,5-DIMETHYL PHENOL	107	864	2	43575.	0.334	51.962
23	S2# 37	3,5-DIMETHYL PHENOL	107	889	2	44083.	0.338	52.269
24	S2# 47	2,3-DIMETHYL PHENOL	107	902	2	46687.	0.358	52.879
25	S2# 57	3,4-DIMETHYL PHENOL	107	921	1	56021.	1.594	55.403
26	S2#150	1-METHYLNAPHTHALENE	142	1079	2	95984.	0.736	54.752

Quantitation Report File: STDU558

00980

Data: STDU558.TI
06/03/88 16:45:00
Sample: 50 PPM PYRIDINE STD
Conds.:
Formula: Instrument: 4500 Weight: 0.000
Submitted by: RMAL Analyst: KS Acct. No.:

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

No	Name			
1	CI30 1,4-DICHLOROBENZENE-D4	152	IS1# 01	3855-82-1
2	CI40 NAPHTHALENE-D8	136	IS2# 01	1146-65-2
3	CI50 ACENAPHTHENE-D10	164	IS3# 01	15067-26-2
4	PYRIDINE-D5	84	S1# 04	
5	PYRIDINE	79	S1# 20	110-86-1
6	2-PICOLINE	93	S1# 30	109-06-8
7	3 & 4-PICOLINE	93	S1# 62	
8	2,6-LUTIDINE	107	S1# 64	
9	2-ETHYL PYRIDINE	106	S1# 73	
10	2,4 & 2,5-LUTIDINE	107	S1# 83	
11	2,3-LUTIDINE	107	S1# 87	
12	3-ETHYL PYRIDINE	107	S1# 88	
13	4-ETHYL PYRIDINE	107	S1# 89	
14	3,5-LUTIDINE	107	S1# 92	
15	3,4-LUTIDINE	107	S1#122	
16	2-METHYL-5-ETHYL PYRIDINE	106	S1#137	
17	2-METHYL-3-ETHYL PYRIDINE	106	S1#142	
18	M AND P CRESOLS	108	S2#187	
19	3-ETHYL-5-METHYL PYRIDINE	106	S1#203	
20	2,6-DIMETHYL PHENOL	122	S1#204	
21	2,5-DIMETHYL PHENOL	107	S2# 27	
22	3,5-DIMETHYL PHENOL	107	S2# 37	
23	2,3-DIMETHYL PHENOL	107	S2# 47	
24	3,4-DIMETHYL PHENOL	107	S2# 57	
25	1-METHYLNAPHTHALENE	142	S2#150	90-12-0
26	3-ETHYL-4-METHYL PYRIDINE	106	S1#202	

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Eight)	Amount		%Tot
1	152	681	8:31	1	1.000	A BB	28122.	40.000	LG/ML	3.32
2	136	917	11:28	2	1.000	A BB	104388.	40.000	LG/ML	3.32
3	164	1270	15:52	3	1.000	A BB	56200.	40.000	LG/ML	3.32
4	84	299	3:44	1	0.439	A BB	62677.	51.217	LG/ML	4.25
5	79	301	3:46	1	0.442	A BB	53953.	42.174	LG/ML	3.50
6	93	397	4:58	1	0.583	A BB	50632.	41.137	LG/ML	3.41
7	93	462	5:46	1	0.678	A BB	57318.	47.120	LG/ML	3.91
8	107	494	6:10	1	0.725	A BB	64258.	47.840	LG/ML	3.97
9	106	525	6:34	1	0.771	A BB	76097.	48.609	LG/ML	4.03
10	107	561	7:01	1	0.824	A BB	54468.	47.108	LG/ML	3.91
11	107	582	7:16	1	0.855	A BB	59481.	48.733	LG/ML	4.04
12	107	602	7:31	1	0.884	A BV	41823.	49.391	LG/ML	4.10
13	107	610	7:37	1	0.896	A VB	43007.	45.436	LG/ML	3.77
14	107	629	7:52	1	0.924	A BB	49786.	47.549	LG/ML	3.94
15	107	666	8:19	1	0.978	A BB	48506.	46.432	LG/ML	3.85
16	106	696	8:42	1	1.022	A BB	66541.	45.948	LG/ML	3.81
17	106	710	8:52	1	1.043	A VB	45998.	45.803	LG/ML	3.80

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount		%Tot
18	108	766	9:34	1	1.125	A BB	49058.	47.825	UG/ML	3.97
19	106	793	9:55	1	1.164	A BB	53104.	69.781	UG/ML	5.79
20	122	812	10:09	1	1.192	A BB	42334.	50.406	UG/ML	4.18
21	107	864	10:48	2	0.942	A BV	43575.	50.328	UG/ML	4.17
22	107	889	11:07	2	0.969	A BB	44083.	51.666	UG/ML	4.28
23	107	902	11:16	2	0.984	A BB	46687.	50.593	UG/ML	4.20
24	107	921	11:31	1	1.352	A BB	56021.	49.243	UG/ML	4.08
25	142	1079	13:29	2	1.177	A BB	95984.	51.454	UG/ML	4.27
26	106	789	9:52	1	1.159	M XX	3344.	9.979	UG/ML	0.83

No	Ret(L)	Ratio	RRT(L)	Ratio	Amnt	Amnt(L)	R.Fac	R.Fac(L)	Ratio
1	8:58	0.95	1.000	1.00	40.00	40.00	1.000	1.000	1.00
2	11:57	0.96	1.000	1.00	40.00	40.00	1.000	1.000	1.00
3	16:25	0.97	1.000	1.00	40.00	40.00	1.000	1.000	1.00
4	4:10	0.90	0.466	0.94	51.22	50.00	1.783	1.740	1.02
5	4:12	0.90	0.469	0.94	42.17	50.00	1.535	1.820	0.84
6	5:22	0.92	0.600	0.97	41.14	50.00	1.440	1.751	0.82
7	6:11	0.93	0.690	0.98	47.12	50.00	1.630	1.730	0.94
8	6:35	0.94	0.735	0.99	47.84	50.00	1.828	1.910	0.96
9	6:58	0.94	0.778	0.99	48.61	50.00	2.165	2.227	0.97
10	7:25	0.94	0.828	0.99	47.11	50.00	1.549	1.645	0.94
11	7:41	0.95	0.858	1.00	48.73	50.00	1.692	1.736	0.97
12	7:57	0.95	0.887	1.00	49.39	50.00	1.190	1.204	0.99
13	8:03	0.95	0.898	1.00	45.44	50.00	1.223	1.346	0.91
14	8:18	0.95	0.926	1.00	47.55	50.00	1.416	1.489	0.95
15	8:46	0.95	0.978	1.00	46.43	50.00	1.380	1.486	0.93
16	9:08	0.95	1.020	1.00	45.95	50.00	1.893	2.060	0.92
17	9:19	0.95	1.039	1.00	45.80	50.00	1.309	1.428	0.92
18	10:00	0.96	1.116	1.01	47.82	50.00	1.396	1.459	0.96
19	10:22	0.96	1.156	1.01	69.78	50.00	1.511	1.082	1.40
20	10:36	0.96	1.183	1.01	50.41	50.00	1.204	1.195	1.01
21	11:15	0.96	0.941	1.00	50.33	50.00	0.334	0.332	1.01
22	11:33	0.96	0.967	1.00	51.67	50.00	0.338	0.327	1.03
23	11:43	0.96	0.981	1.00	50.59	50.00	0.358	0.354	1.01
24	11:57	0.96	1.333	1.01	49.24	50.00	1.594	1.618	0.98
25	13:59	0.96	1.171	1.01	51.45	50.00	0.736	0.715	1.03
26	10:17	0.96	1.148	1.01	9.98	50.00	0.095	0.477	0.20

Quantitation Report File: STDU000

Data: STDU558.TI
06/03/88 16:45:00
Sample: 50 PPM PYRIDINE STD
Conds.:
Formula: Instrument: 4500 Weight: 0.000
Submitted by: RMAL Analyst: KS Acct. No.:

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

No	Name			
1	CI30 1,4-DICHLOROBENZENE-D4	152	IS1# 01	3855-82-1
2	CI40 NAPHTHALENE-D8	136	IS2# 01	1146-65-2
3	CI50 ACENAPHTHENE-D10	164	IS3# 01	15067-26-2
4	PYRIDINE-D5	84	S1# 04	
5	PYRIDINE	79	S1# 20	110-86-1
6	2-PICOLINE	93	S1# 30	109-06-8
7	3 & 4-PICOLINE	93	S1# 62	
8	2,6-LUTIDINE	107	S1# 64	
9	2-ETHYL PYRIDINE	106	S1# 73	
10	2,4 & 2,5-LUTIDINE	107	S1# 83	
11	2,3-LUTIDINE	107	S1# 87	
12	3-ETHYL PYRIDINE	107	S1# 88	
13	4-ETHYL PYRIDINE	107	S1# 89	
14	3,5-LUTIDINE	107	S1# 92	
15	3,4-LUTIDINE	107	S1#122	
16	2-METHYL-5-ETHYL PYRIDINE	106	S1#137	
17	2-METHYL-3-ETHYL PYRIDINE	106	S1#142	
18	M AND P CRESOLS	108	S2#187	
19	3-ETHYL-5-METHYL PYRIDINE	106	S1#203	
20	2,6-DIMETHYL PHENOL	122	S1#204	
21	2,5-DIMETHYL PHENOL	107	S2# 27	
22	3,5-DIMETHYL PHENOL	107	S2# 37	
23	2,3-DIMETHYL PHENOL	107	S2# 47	
24	3,4-DIMETHYL PHENOL	107	S2# 57	
25	1-METHYLNAPHTHALENE	142	S2#150	90-12-0
26	3-ETHYL-4-METHYL PYRIDINE	106	S1#202	

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount	%Tot
1	152	681	8:31	1	1.000	A BB	28123.	40.000 LG/ML	3.15
2	136	917	11:28	2	1.000	A BB	104386.	40.000 LG/ML	3.15
3	164	1270	15:52	3	1.000	A BB	56200.	40.000 LG/ML	3.15
4	84	299	3:44	1	0.439	A BB	62673.	50.000 LG/ML	3.94
5	79	301	3:46	1	0.442	A BB	53953.	50.000 LG/ML	3.94
6	93	397	4:58	1	0.583	A BB	50633.	50.000 LG/ML	3.94
7	93	462	5:46	1	0.678	A BB	57318.	50.000 LG/ML	3.94
8	107	494	6:10	1	0.725	A BB	64258.	50.000 LG/ML	3.94
9	106	525	6:34	1	0.771	A BB	76097.	50.000 LG/ML	3.94
10	107	561	7:01	1	0.824	A BB	54465.	50.000 LG/ML	3.94
11	107	582	7:16	1	0.855	A BB	59481.	50.000 LG/ML	3.94
12	107	602	7:31	1	0.884	A BV	41824.	50.000 LG/ML	3.94
13	107	610	7:37	1	0.896	A VB	43007.	50.000 LG/ML	3.94
14	107	629	7:52	1	0.924	A BB	49786.	50.000 LG/ML	3.94
15	107	666	8:19	1	0.978	A BB	48506.	50.000 LG/ML	3.94
16	106	696	8:42	1	1.022	A BB	66541.	50.000 LG/ML	3.94
17	106	710	8:52	1	1.043	A VB	45999.	50.000 LG/ML	3.94

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount		%Tot
18	108	766	9:34	1	1.125	A BB	49058.	50.000	UG/ML	3.94
19	106	793	9:55	1	1.164	A BB	53104.	50.000	UG/ML	3.94
20	122	812	10:09	1	1.192	A BB	42334.	50.000	UG/ML	3.94
21	107	864	10:48	2	0.942	A BV	43575.	50.000	UG/ML	3.94
22	107	889	11:07	2	0.969	A BB	44083.	50.000	UG/ML	3.94
23	107	902	11:16	2	0.984	A BB	46687.	50.000	UG/ML	3.94
24	107	921	11:31	1	1.352	A BB	56021.	50.000	UG/ML	3.94
25	142	1079	13:29	2	1.177	A BB	95984.	50.000	UG/ML	3.94
26	106	789	9:52	1	1.159	M XX	3344.	50.000	UG/ML	3.94

No	Ret(L)	Ratio	RRT(L)	Ratio	Amnt	Amnt(L)	R.Fac	R.Fac(L)	Ratio
1	8:31	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
2	11:28	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
3	15:52	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
4	3:44	1.00	0.439	1.00	50.00	50.00	1.783	1.783	1.00
5	3:46	1.00	0.442	1.00	50.00	50.00	1.535	1.535	1.00
6	4:58	1.00	0.583	1.00	50.00	50.00	1.440	1.440	1.00
7	5:46	1.00	0.678	1.00	50.00	50.00	1.630	1.630	1.00
8	6:10	1.00	0.725	1.00	50.00	50.00	1.828	1.828	1.00
9	6:34	1.00	0.771	1.00	50.00	50.00	2.165	2.165	1.00
10	7:01	1.00	0.824	1.00	50.00	50.00	1.549	1.549	1.00
11	7:16	1.00	0.855	1.00	50.00	50.00	1.692	1.692	1.00
12	7:31	1.00	0.884	1.00	50.00	50.00	1.190	1.190	1.00
13	7:37	1.00	0.896	1.00	50.00	50.00	1.223	1.223	1.00
14	7:52	1.00	0.924	1.00	50.00	50.00	1.416	1.416	1.00
15	8:19	1.00	0.978	1.00	50.00	50.00	1.380	1.380	1.00
16	8:42	1.00	1.022	1.00	50.00	50.00	1.893	1.893	1.00
17	8:52	1.00	1.043	1.00	50.00	50.00	1.309	1.309	1.00
18	9:34	1.00	1.125	1.00	50.00	50.00	1.396	1.396	1.00
19	9:55	1.00	1.164	1.00	50.00	50.00	1.511	1.511	1.00
20	10:09	1.00	1.192	1.00	50.00	50.00	1.204	1.204	1.00
21	10:48	1.00	0.942	1.00	50.00	50.00	0.334	0.334	1.00
22	11:07	1.00	0.969	1.00	50.00	50.00	0.338	0.338	1.00
23	11:16	1.00	0.984	1.00	50.00	50.00	0.358	0.358	1.00
24	11:31	1.00	1.352	1.00	50.00	50.00	1.594	1.594	1.00
25	13:29	1.00	1.177	1.00	50.00	50.00	0.736	0.736	1.00
26	9:52	1.00	1.159	1.00	50.00	50.00	0.095	0.095	1.00

RMAL QUANTITATION SUMMARY FILE: STDU558
COMPOUNDS WITH AMOUNTS LESS THAN 1.00 REPORTED AS NOT FOUND

UNITS: UG/L

NO	LIBRARY ENTRY	NAME	MASS	SCAN	REF	AREA	RRF	AMOUNT
1	S1# 1	CI30 1,4-DICHLOROBENZENE	152	681	1	28123.	1.000	40.000
2	S2# 1	CI40 NAPHTHALENE-D8	136	917	2	104388.	1.000	40.000
3	S3# 1	CI50 ACENAPHTHENE-D10	164	1270	3	56200.	1.000	40.000
4	S1# 4	PYRIDINE-D5	84	299	1	62673.	1.783	50.000
5	S1# 20	PYRIDINE	79	301	1	53953.	1.535	50.000
6	S1# 30	2-PICOLINE	93	397	1	50633.	1.440	50.000
7	S1# 62	3 & 4-PICOLINE	93	462	1	57318.	1.630	50.000
8	S1# 64	2,6-LUTIDINE	107	494	1	64258.	1.828	50.000
9	S1# 73	2-ETHYL PYRIDINE	106	525	1	76097.	2.165	50.000
10	S1# 83	2,4 & 2,5-LUTIDINE	107	561	1	54469.	1.549	50.000
11	S1# 87	2,3-LUTIDINE	107	582	1	59481.	1.692	50.000
12	S1# 88	3-ETHYL PYRIDINE	107	602	1	41824.	1.190	50.000
13	S1# 89	4-ETHYL PYRIDINE	107	610	1	43007.	1.223	50.000
14	S1# 92	3,5-LUTIDINE	107	629	1	49786.	1.416	50.000
15	S1#122	3,4-LUTIDINE	107	666	1	48506.	1.380	50.000
16	S1#137	2-METHYL-5-ETHYL PYRIDIN	106	696	1	66541.	1.893	50.000
17	S1#142	2-METHYL-3-ETHYL PYRIDIN	106	710	1	45999.	1.309	50.000
18	S1#187	M AND P CRESOLS	108	766	1	49058.	1.396	50.000
19	S1#202	3-ETHYL-4-METHYL PYRIDIN	106	789	1	3344.	0.095	50.000
20	S1#203	3-ETHYL-5-METHYL PYRIDIN	106	793	1	53104.	1.511	50.000
21	S1#204	2,6-DIMETHYL PHENOL	122	812	1	42334.	1.204	50.000
22	S2# 27	2,5-DIMETHYL PHENOL	107	864	2	43575.	0.934	50.000
23	S2# 37	3,5-DIMETHYL PHENOL	107	889	2	44083.	0.938	50.000
24	S2# 47	2,3-DIMETHYL PHENOL	107	902	2	46687.	0.958	50.000
25	S2# 57	3,4-DIMETHYL PHENOL	107	921	1	56021.	1.594	50.000
26	S2#150	1-METHYLNAPHTHALENE	142	1079	2	55984.	0.736	50.000

6/6/88 9:49:20 SCAN 1 OF 2800
Acquisition started

Acquire
06/06/88 9:49:00 + 0:04
Sample: 50 PPM PYRIDINE STD
Conds.:
Formula:
Submitted by: RMAL

Run 0:STDU569
Free sectors: 20724
Instrument: 4500
Analyst: KS

ACQUIRING
Scan: 5 of 2800
Weight: 0.000
Acct. No:

****
GC PARAMETERS
****

Loaded GC Desc:ST Current GC oven tmp: 30 DegC
Current GC Desc:ST GC elapsed time : 0: 5 min

Injector : 250 DegC
Int.over : 260 DegC

Seq.#	Temp(C)	Rate(C/m)	Time(min)	Total time(min)		Open	Close
1	30 - 30	-	1.0	1.0	Sweep/Split	0.5	0.0
2	30 - 325	10.0	29.5	30.5	Divert	40.5	0.0
3	325 - 325	-	10.0	40.5			
4	325 - 325	-	0.0	40.5			

****
SCAN PARAMETERS
****

Low mass: 35
High mass: 500

Up: 0.70 L*
Down: 0.00 L

Top: 0.00
Bottom: 0.05

Cent S/P: 10 Actual: 10
Frag S/P: 10 Actual: 10

Samp Int (ms): 0.150
Samp Int (ms): 0.150

Peak Width: 1000.
Inten/ion: 2

Min Peak Width: 3
ADC Threshold: 1

Min Frag Width %: 80
Baseline: 0

Min Area: 30

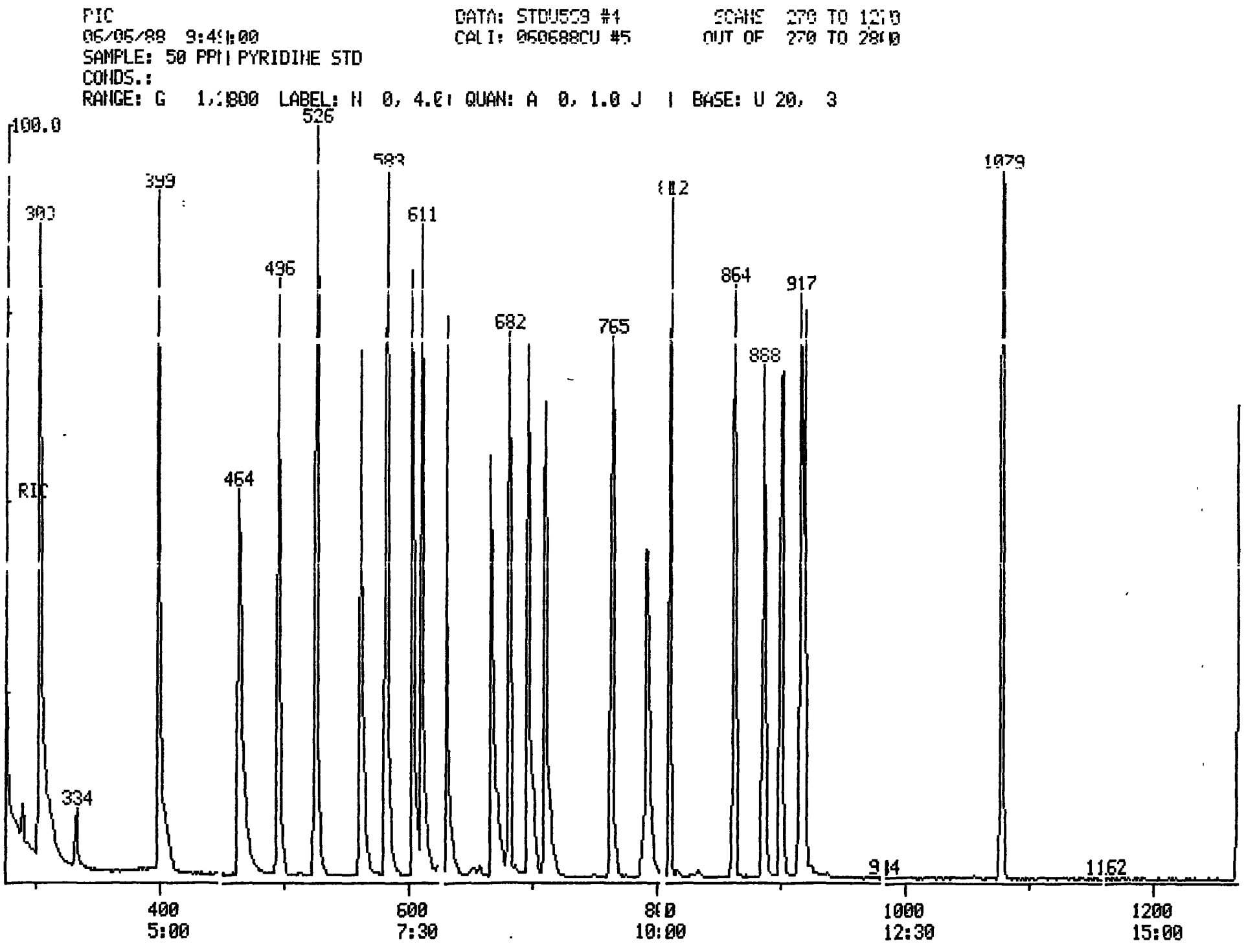
***** Mode: Centroid positive ion + R1 (Temp)

Interface number	0	
Sub-interface number	0	
# of acqu buffers	16	
Instrument type	Q	
Full scale mass	1024	u
Zero scale mass	1	u
Intensity/ion	2	
Peak Width	1000.	mmu
Offset at low mass	0	mmu
Offset at high mass	0	mmu
Voltage settling time(MS)	4	

6/6/88 10:24:23
ACQUISITION COMPLETED
SCANS 1 TO 2800 Centroid

Mode	Scans	Secs	Out of	%	Peaks per scan	per sec
Centroid	2800	170.5	2100.0	8.1	25236. 9.	12.

00986

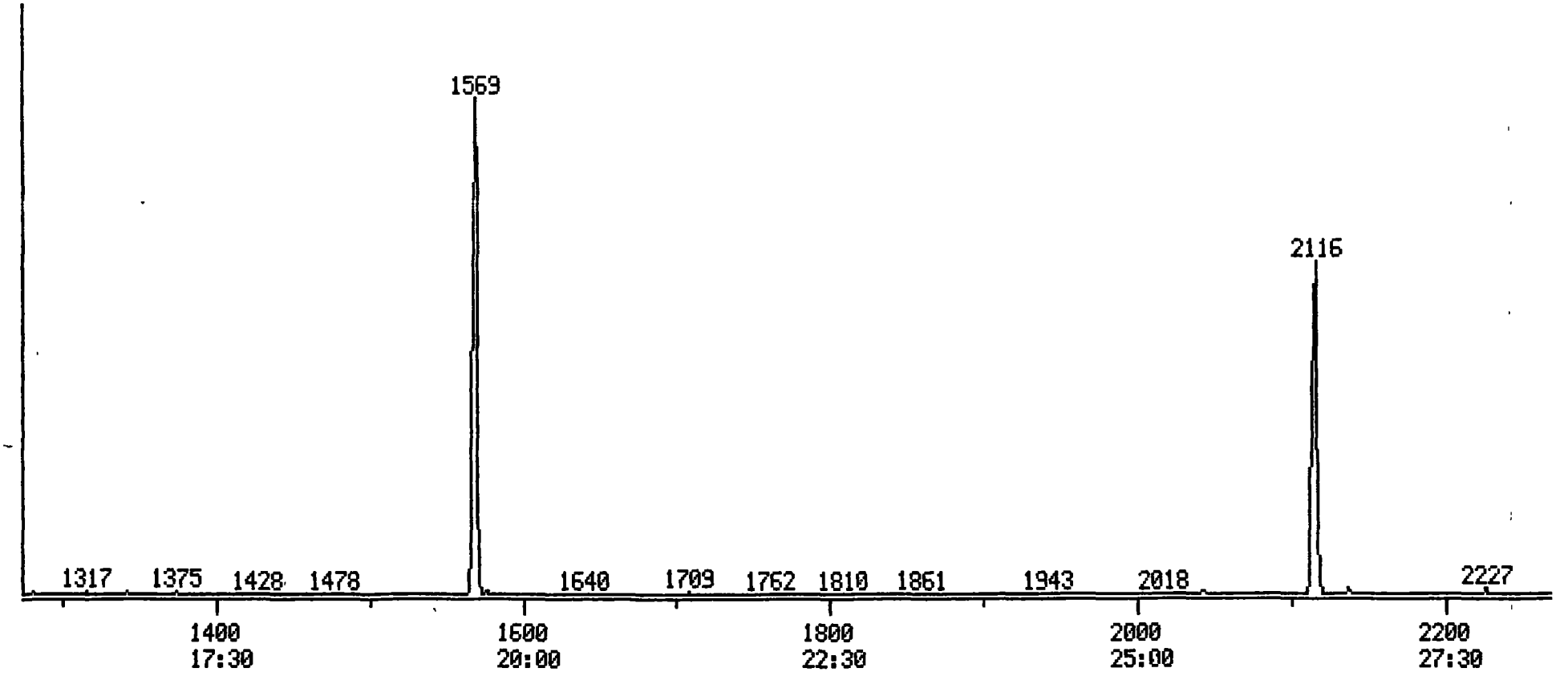


PIC
06/06/88 9:49:00
SAMPLE: 50 PPM PYRIDINE STD
CONDS.:
RANGE: G 1,1800 LABEL: N 0, 4.0 QUAN: A 0, 1.0 J | BASE: U 20, 3
DATA: STDU559 #4
CALI: 060688CU #5
SCANS 270 TO 1270
OUT OF 270 TO 2800
100.0
RIC
303
334
399
464
496
526
583
611
682
765
812
864
888
917
914
1079
1162
400
5:00
600
7:30
800
10:00
1000
12:30
1200
15:00

RIC
06/06/88 9:49:00
SAMPLE: 50 PPM PYRIDINE STD
CONDS.:
RANGE: G 1,2800 LABEL: N 0, 4.0 QUAN: A 0, 1.0 J 0 BASE: U 20, 3

DATA: CTDU569 #4 SCANS 1270 TO 2270
CALI: 060688CU #5 OUT OF 270 TO 2800

100.0



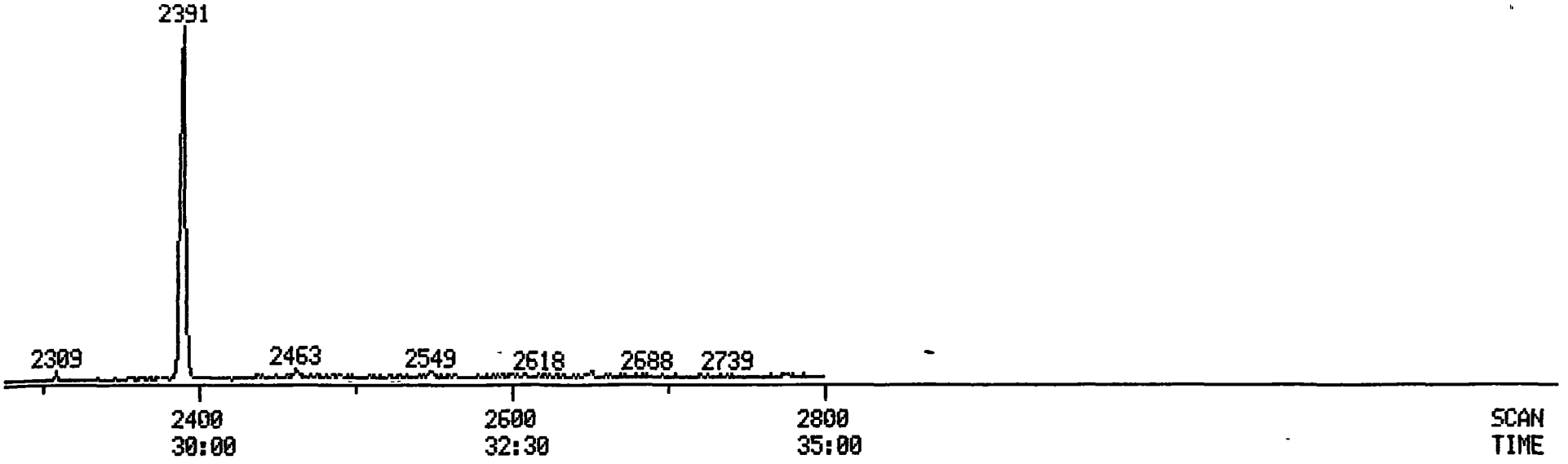
00987

00988

PIC
06/06/88 9:49:00
SAMPLE: 50 PPM PYRIDINE STD
CONDS.:
RANGE: G 1,2800 LABEL: N 0, 4.0 QUAN: A 0, 1.0 J 0 BASE: U 20, 3

DATA: STDU563 #4 SCANS 2270 TO 2800
CALI: 060688CU #5 OUT OF 270 TO 2800

100.0 87808.



PROCEDURE: TCA DIAGNOSTIC REPORT 6/06/88 10:27:29
DATA FILE: STDU569
REFERENCE: 11TABLE
NAME LIST: LLNL INITIALIZATION OPTION: 2 PROCESSING OPTION: 3
REPORT: ISO1

STANDARDS				PLUS UNKNOWNS				LIST NAMES
PROC	USED	POSS	RMS	PROC	USED	POSS	RMS	STANDARD/UNKNOWN
1	1	1	0	13	13	8	70	ISO1/TCO1
3	3	1	0	14	14	1	134	ISO2/TCO2

26 COMPOUNDS PROCESSED, 26 FOUND

COMPOUND			SEARCH					SAT	CHRO			
NO	LIB	ENTRY	REF	PRED	SEL	DELTA	PEAKS	FIT	PEAKS	M/Z	TOP	DELTA	PEAKS
1	S1	1	-683	682	682	.	1	962	.	152	682	.	1
2	S1	4	-300	302	303	1	1	978	.	84	303	.	1
3	S1	20	-302	304	304	.	1	991	.	79	304	.	1
4	S1	30	-399	400	399	-1	1	989	.	93	399	.	1
5	S1	62	-464	464	464	.	1	989	.	93	464	.	1
6	S1	64	-496	496	495	-1	1	993	.	107	495	.	1
7	S1	73	-527	526	526	.	1	987	.	106	526	.	1
8	S1	83	-563	562	562	.	1	989	.	107	562	.	1
9	S1	87	-585	584	583	-1	1	984	.	107	583	.	1
10	S1	88	-605	603	603	.	2	989	.	107	603	.	1
11	S1	89	-613	611	611	.	2	985	.	107	611	.	1
12	S1	92	-632	630	630	.	2	991	.	107	630	.	1
13	S1	122	-669	667	667	.	1	987	.	107	667	.	1
14	S2	1	-918	917	917	.	1	996	.	136	917	.	1
15	S3	1	-1271	1270	1270	.	1	998	.	164	1270	.	1
16	S1	137	-699	696	697	1	1	993	.	106	697	.	1
17	S1	142	-713	710	711	1	1	956	.	106	711	.	1
18	S1	187	-769	766	765	-1	1	923	.	108	765	.	1
19	S1	203	-796	793	792	-1	1	991	.	106	792	.	1
20	S1	202	-796	793	792	-1	1	991	.	106	792	.	1
21	S1	204	-816	813	812	-1	1	969	.	122	812	.	1
22	S2	27	-866	863	864	1	1	990	.	107	864	.	1
23	S2	37	-891	888	888	.	1	990	.	107	888	.	1
24	S2	47	-904	901	901	.	1	991	.	107	901	.	1
25	S2	57	-925	922	920	-2	1	992	.	107	920	.	1
26	S2	150	-1081	1079	1079	.	1	988	.	142	1079	.	1

Quantitation Report File: STDU569

Data: STDU569.TI
06/06/88 9:49:00
Sample: 50 PPM PYRIDINE STD
Conds.:
Formula: Instrument: 4500 Weight: 0.000
Submitted by: RMAL Analyst: KS Acct. No.:

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

No	Name			
1	CI30 1,4-DICHLOROBENZENE-D4	152	IS1# 01	3855-82-1
2	PYRIDINE-D5	84	S1# 04	
3	PYRIDINE	79	S1# 20	110-86-1
4	2-PICOLINE	93	S1# 30	109-06-8
5	3 & 4-PICOLINE	93	S1# 62	
6	2,6-LUTIDINE	107	S1# 64	
7	2-ETHYL PYRIDINE	106	S1# 73	
8	2,4 & 2,5-LUTIDINE	107	S1# 83	
9	2,3-LUTIDINE	107	S1# 87	
10	3-ETHYL PYRIDINE	107	S1# 88	
11	4-ETHYL PYRIDINE	107	S1# 89	
12	3,5-LUTIDINE	107	S1# 92	
13	3,4-LUTIDINE	107	S1#122	
14	CI40 NAPHTHALENE-D8	136	IS2# 01	1146-65-2
15	CI50 ACENAPHTHENE-D10	164	IS3# 01	15067-26-2
16	2-METHYL-5-ETHYL PYRIDINE	106	S1#137	
17	2-METHYL-3-ETHYL PYRIDINE	106	S1#142	
18	M AND P CRESOLS	108	S2#187	
19	3-ETHYL-5-METHYL PYRIDINE	106	S1#203	
20	3-ETHYL-4-METHYL PYRIDINE	106	S1#202	
21	2,6-DIMETHYL PHENOL	122	S1#204	
22	2,5-DIMETHYL PHENOL	107	S2# 27	
23	3,5-DIMETHYL PHENOL	107	S2# 37	
24	2,3-DIMETHYL PHENOL	107	S2# 47	
25	3,4-DIMETHYL PHENOL	107	S2# 57	
26	1-METHYLNAPHTHALENE	142	S2#150	90-12-0

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount	%Tot
1	152	682	8:31	1	1.000	A BB	21826.	40.000 UG/ML	3.32
2	84	303	3:47	1	0.444	A BV	32537.	33.447 UG/ML	2.78
3	79	304	3:48	1	0.446	A BB	44853.	53.560 UG/ML	4.45
4	93	399	4:59	1	0.585	A BB	45527.	57.932 UG/ML	4.81
5	93	464	5:48	1	0.680	A BB	41823.	47.012 UG/ML	3.91
6	107	495	6:11	1	0.726	A BB	49453.	49.582 UG/ML	4.12
7	106	526	6:34	1	0.771	A BB	57597.	48.763 UG/ML	4.05
8	107	562	7:01	1	0.824	A BB	40263.	47.623 UG/ML	3.96
9	107	583	7:17	1	0.855	A BB	45027.	48.766 UG/ML	4.05
10	107	603	7:32	1	0.884	A BV	31295.	48.207 UG/ML	4.01
11	107	611	7:38	1	0.896	A VB	30614.	45.861 UG/ML	3.81
12	107	630	7:52	1	0.924	A BB	33667.	43.566 UG/ML	3.62
13	107	667	8:20	1	0.978	A BB	33949.	45.092 UG/ML	3.75
14	136	917	11:28	14	1.000	A BB	73476.	40.000 UG/ML	3.32
15	164	1270	15:52	15	1.000	A BB	37112.	40.000 UG/ML	3.32
16	106	697	8:43	1	1.022	A BB	49755.	48.173 UG/ML	4.00
17	106	711	8:53	1	1.043	A BB	34447.	48.246 UG/ML	4.01

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount		%Tot
18	108	765	9:34	1	1.122	A BB	33702.	44.259	UG/ML	3.68
19	106	792	9:54	1	1.161	A BV	36932.	44.805	UG/ML	3.72
20	106	792	9:54	1	1.161	A BV	36932.	44.805	UG/ML	3.72
21	122	812	10:09	1	1.191	A BB	30411.	46.282	UG/ML	3.85
22	107	864	10:48	14	0.942	A BB	29482.	48.061	UG/ML	3.99
23	107	888	11:06	14	0.968	A BB	30355.	48.915	UG/ML	4.07
24	107	901	11:16	14	0.983	A VB	31779.	48.352	UG/ML	4.02
25	107	920	11:30	1	1.349	A BB	37734.	43.395	UG/ML	3.61
26	142	1079	13:29	14	1.177	A BB	65684.	48.611	UG/ML	4.04

No	Ret(L)	Ratio	RRT(L)	Ratio	Amnt	Amnt(L)	R.Fac	R.Fac(L)	Ratio
1	8:33	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
2	3:44	1.01	0.439	1.01	33.45	50.00	1.193	1.783	0.67
3	3:46	1.01	0.442	1.01	53.56	50.00	1.644	1.535	1.07
4	4:58	1.01	0.583	1.00	57.93	50.00	1.669	1.440	1.16
5	5:46	1.00	0.678	1.00	47.01	50.00	1.533	1.630	0.94
6	6:10	1.00	0.725	1.00	49.58	50.00	1.813	1.828	0.99
7	6:34	1.00	0.771	1.00	48.76	50.00	2.111	2.165	0.98
8	7:01	1.00	0.824	1.00	47.62	50.00	1.476	1.549	0.95
9	7:16	1.00	0.855	1.00	48.77	50.00	1.650	1.692	0.98
10	7:31	1.00	0.884	1.00	48.21	50.00	1.147	1.190	0.96
11	7:37	1.00	0.896	1.00	45.86	50.00	1.122	1.223	0.92
12	7:52	1.00	0.924	1.00	43.57	50.00	1.234	1.416	0.87
13	8:19	1.00	0.978	1.00	45.09	50.00	1.244	1.380	0.90
14	11:29	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
15	15:54	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
16	8:42	1.00	1.022	1.00	48.17	50.00	1.824	1.893	0.96
17	8:52	1.00	1.043	1.00	48.25	50.00	1.263	1.309	0.96
18	9:34	1.00	1.125	1.00	44.26	50.00	1.235	1.396	0.89
19	9:55	1.00	1.164	1.00	44.81	50.00	1.354	1.511	0.90
20	9:55	1.00	1.164	1.00	44.81	50.00	1.354	1.511	0.90
21	10:09	1.00	1.192	1.00	46.28	50.00	1.115	1.204	0.93
22	10:48	1.00	0.942	1.00	48.06	50.00	0.321	0.334	0.96
23	11:07	1.00	0.969	1.00	48.92	50.00	0.331	0.338	0.98
24	11:16	1.00	0.984	1.00	48.35	50.00	0.346	0.358	0.97
25	11:31	1.00	1.352	1.00	43.40	50.00	1.383	1.594	0.87
26	13:29	1.00	1.177	1.00	48.61	50.00	0.715	0.736	0.97

TOR FINISHED, 20 FOUND
FINISHED AT: 6/06/88 10:30:34

RMAL QUANTITATION SUMMARY FILE: STDU367
COMPOUNDS WITH AMOUNTS LESS THAN 1.00 REPORTED AS NOT FOUND

UNITS: UG/ML

NO	LIBRARY ENTRY	NAME	MASS	SCAN	REF	AREA	RRF	AMOUNT
1	S1# 1	CI30 1,4-DICHLOROBENZENE	152	682	1	21826.	1.000	40.000
2	S2# 1	CI40 NAPHTHALENE-D8	136	917	2	73476.	1.000	40.000
3	S3# 1	CI50 ACENAPHTHENE-D10	164	1270	3	37112.	1.000	40.000
4	S1# 4	PYRIDINE-D5	84	303	1	32537.	1.193	33.447
5	S1# 20	PYRIDINE	79	304	1	44853.	1.644	53.560
6	S1# 30	2-PICOLINE	93	399	1	45529.	1.669	57.932
7	S1# 62	3 & 4-PICOLINE	93	464	1	41825.	1.533	47.012
8	S1# 64	2,6-LUTIDINE	107	495	1	49453.	1.813	49.582
9	S1# 73	2-ETHYL PYRIDINE	106	526	1	57597.	2.111	48.763
10	S1# 83	2,4 & 2,5-LUTIDINE	107	562	1	40263.	1.476	47.625
11	S1# 87	2,3-LUTIDINE	107	583	1	45023.	1.650	48.766
12	S1# 88	3-ETHYL PYRIDINE	107	603	1	31295.	1.147	48.207
13	S1# 89	4-ETHYL PYRIDINE	107	611	1	30614.	1.122	45.861
14	S1# 92	3,5-LUTIDINE	107	630	1	33667.	1.234	43.566
15	S1#122	3,4-LUTIDINE	107	667	1	33949.	1.244	45.092
16	S1#137	2-METHYL-5-ETHYL PYRIDIN	106	697	1	49755.	1.824	48.173
17	S1#142	2-METHYL-3-ETHYL PYRIDIN	106	711	1	34447.	1.263	48.246
18	S1#187	M AND P CRESOLS	108	765	1	33702.	1.235	44.259
19	S1#202	3-ETHYL-4-METHYL PYRIDIN	106	792	1	36932.	1.354	44.805
20	S1#203	3-ETHYL-5-METHYL PYRIDIN	106	792	1	36932.	1.354	44.805
21	S1#204	2,6-DIMETHYL PHENOL	122	812	1	30412.	1.115	46.282
22	S2# 27	2,5-DIMETHYL PHENOL	107	864	2	29482.	0.221	48.061
23	S2# 37	3,5-DIMETHYL PHENOL	107	888	2	30355.	0.231	48.915
24	S2# 47	2,3-DIMETHYL PHENOL	107	901	2	31779.	0.246	48.352
25	S2# 57	3,4-DIMETHYL PHENOL	107	920	1	37734.	1.383	43.395
26	S2#150	1-METHYLNAPHTHALENE	142	1079	2	65684.	0.715	48.611

)RACK NO. 0 VIAL NO. 2
FILENAME: S59532U592Quantitation Report File: STDU569

ata: STDU569.TI
5/06/88 9:49:00
ample: 50 PPM PYRIDINE STD
onds.:
ormula: Instrument: 4500 Weight: 0.000
ubmitted by: RMAL Analyst: KS Acct. No.:

00993

T=AREA * REF AMNT/(REF AREA * RESP FACT)
esp. fac. from Library Entry

No	Name		
1	CI30 1,4-DICHLOROBENZENE-D4	152IS1# 01	3855-82-1
2	CI40 NAPHTHALENE-D8	136IS2# 01	1146-65-2
3	CI50 ACENAPHTHENE-D10	164IS3# 01	15067-26-2
4	PYRIDINE-D5	84 S1# 04	
5	PYRIDINE	79 S1# 20	110-86-1
6	2-PICOLINE	93 S1# 30	109-06-8
7	3 & 4-PICOLINE	93 S1# 62	
8	2,6-LUTIDINE	107 S1# 64	
9	2-ETHYL PYRIDINE	106 S1# 73	
10	2,4 & 2,5-LUTIDINE	107 S1# 83	
11	2,3-LUTIDINE	107 S1# 87	
12	3-ETHYL PYRIDINE	107 S1# 88	
13	4-ETHYL PYRIDINE	107 S1# 89	
14	3,5-LUTIDINE	107 S1# 92	
15	3,4-LUTIDINE	107 S1#122	
16	2-METHYL-5-ETHYL PYRIDINE	106 S1#137	
17	2-METHYL-3-ETHYL PYRIDINE	106 S1#142	
18	M AND P CRESOLS	108 S2#187	
19	3-ETHYL-5-METHYL PYRIDINE	106 S1#203	
20	2,6-DIMETHYL PHENOL	122 S1#204	
21	2,5-DIMETHYL PHENOL	107 S2# 27	
22	3,5-DIMETHYL PHENOL	107 S2# 37	
23	2,3-DIMETHYL PHENOL	107 S2# 47	
24	3,4-DIMETHYL PHENOL	107 S2# 57	
25	1-METHYLNAPHTHALENE	142 S2#150	90-12-0
26	3-ETHYL-4-METHYL PYRIDINE	106 S1#202	

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount	%Tot
1	152	682	8:31	1	1.000	A BB	21826.	40.000 UG/ML	3.15
2	136	917	11:28	2	1.000	A BB	73476.	40.000 UG/ML	3.15
3	164	1270	15:52	3	1.000	A BB	37112.	40.000 UG/ML	3.15
4	84	303	3:47	1	0.444	A BV	32537.	50.000 UG/ML	3.94
5	79	304	3:48	1	0.446	A BB	44853.	50.000 UG/ML	3.94
6	93	399	4:59	1	0.585	A BB	45529.	50.000 UG/ML	3.94
7	93	464	5:48	1	0.680	A BB	41825.	50.000 UG/ML	3.94
8	107	495	6:11	1	0.726	A BB	49453.	50.000 UG/ML	3.94
9	106	526	6:34	1	0.771	A BB	57597.	50.000 UG/ML	3.94
10	107	562	7:01	1	0.824	A BB	40263.	50.000 UG/ML	3.94
11	107	583	7:17	1	0.855	A BB	45023.	50.000 UG/ML	3.94
12	107	603	7:32	1	0.884	A BV	31295.	50.000 UG/ML	3.94
13	107	611	7:38	1	0.896	A VB	30614.	50.000 UG/ML	3.94
14	107	630	7:52	1	0.924	A BB	33667.	50.000 UG/ML	3.94
15	107	667	8:20	1	0.978	A BB	33949.	50.000 UG/ML	3.94
16	106	697	8:43	1	1.022	A BB	49755.	50.000 UG/ML	3.94
17	106	711	8:53	1	1.043	A BB	34447.	50.000 UG/ML	3.94

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount		%Tot
18	108	765	9:34	1	1.122	A BB	33702.	50.000	UG/ML	3.94
19	106	792	9:54	1	1.161	A BV	36932.	50.000	UG/ML	3.94
20	122	812	10:09	1	1.191	A BB	30412.	50.000	UG/ML	3.94
21	107	864	10:48	2	0.942	A BB	29482.	50.000	UG/ML	3.94
22	107	888	11:06	2	0.968	A BB	30355.	50.000	UG/ML	3.94
23	107	901	11:16	2	0.983	A VB	31779.	50.000	UG/ML	3.94
24	107	920	11:30	1	1.349	A BB	37734.	50.000	UG/ML	3.94
25	142	1079	13:29	2	1.177	A BB	65684.	50.000	UG/ML	3.94
26	106	791	9:53	1	1.160	M XX	4495.	50.000	UG/ML	3.94

No	Ret(L)	Ratio	RRT(L)	Ratio	Amnt	Amnt(L)	R.Fac	R.Fac(L)	Ratio
1	8:31	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
2	11:28	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
3	15:52	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
4	3:47	1.00	0.444	1.00	50.00	50.00	1.193	1.193	1.00
5	3:48	1.00	0.446	1.00	50.00	50.00	1.644	1.644	1.00
6	4:59	1.00	0.585	1.00	50.00	50.00	1.669	1.669	1.00
7	5:48	1.00	0.680	1.00	50.00	50.00	1.533	1.533	1.00
8	6:11	1.00	0.726	1.00	50.00	50.00	1.813	1.813	1.00
9	6:34	1.00	0.771	1.00	50.00	50.00	2.111	2.111	1.00
10	7:01	1.00	0.824	1.00	50.00	50.00	1.476	1.476	1.00
11	7:17	1.00	0.855	1.00	50.00	50.00	1.650	1.650	1.00
12	7:32	1.00	0.884	1.00	50.00	50.00	1.147	1.147	1.00
13	7:38	1.00	0.896	1.00	50.00	50.00	1.122	1.122	1.00
14	7:52	1.00	0.924	1.00	50.00	50.00	1.234	1.234	1.00
15	8:20	1.00	0.978	1.00	50.00	50.00	1.244	1.244	1.00
16	8:43	1.00	1.022	1.00	50.00	50.00	1.824	1.824	1.00
17	8:53	1.00	1.043	1.00	50.00	50.00	1.263	1.263	1.00
18	9:34	1.00	1.122	1.00	50.00	50.00	1.235	1.235	1.00
19	9:54	1.00	1.161	1.00	50.00	50.00	1.354	1.354	1.00
20	10:09	1.00	1.191	1.00	50.00	50.00	1.115	1.115	1.00
21	10:48	1.00	0.942	1.00	50.00	50.00	0.321	0.321	1.00
22	11:06	1.00	0.968	1.00	50.00	50.00	0.331	0.331	1.00
23	11:16	1.00	0.983	1.00	50.00	50.00	0.346	0.346	1.00
24	11:30	1.00	1.349	1.00	50.00	50.00	1.383	1.383	1.00
25	13:29	1.00	1.177	1.00	50.00	50.00	0.715	0.715	1.00
26	9:53	1.00	1.160	1.00	50.00	50.00	0.165	0.165	1.00

00994

MAL QUANTITATION SUMMARY FILE: STDU569
OMPOUNDS WITH AMOUNTS LESS THAN 1.00 REPORTED AS NOT FOUND

00995

UNITS: UG/ML

NO	LIBRARY ENTRY	NAME	MASS	SCAN	REF	AREA	RRF	AMOUNT
1	S1# 1	CI30 1,4-DICHLOROBENZENE	152	682	1	21826.	1.000	40.000
2	S2# 1	CI40 NAPHTHALENE-D8	136	917	2	73476.	1.000	40.000
3	S3# 1	CI50 ACENAPHTHENE-D10	164	1270	3	37112.	1.000	40.000
4	S1# 4	PYRIDINE-D5	84	303	1	32537.	1.193	50.000
5	S1# 20	PYRIDINE	79	304	1	44853.	1.644	50.000
6	S1# 30	2-PICOLINE	93	399	1	45329.	1.669	50.000
7	S1# 62	3 & 4-PICOLINE	93	464	1	41825.	1.533	50.000
8	S1# 64	2,6-LUTIDINE	107	495	1	49453.	1.813	50.000
9	S1# 73	2-ETHYL PYRIDINE	106	526	1	57597.	2.111	50.000
10	S1# 83	2,4 & 2,5-LUTIDINE	107	562	1	40263.	1.476	50.000
11	S1# 87	2,3-LUTIDINE	107	583	1	45023.	1.650	50.000
12	S1# 88	3-ETHYL PYRIDINE	107	603	1	31295.	1.147	50.000
13	S1# 89	4-ETHYL PYRIDINE	107	611	1	30614.	1.122	50.000
14	S1# 92	3,5-LUTIDINE	107	630	1	33667.	1.234	50.000
15	S1#122	3,4-LUTIDINE	107	667	1	33949.	1.244	50.000
16	S1#137	2-METHYL-5-ETHYL PYRIDIN	106	697	1	49755.	1.824	50.000
17	S1#142	2-METHYL-3-ETHYL PYRIDIN	106	711	1	34447.	1.263	50.000
18	S1#187	M AND P CRESOLS	108	765	1	33702.	1.235	50.000
19	S1#202	3-ETHYL-4-METHYL PYRIDIN	106	791	1	4495.	0.165	50.000
20	S1#203	3-ETHYL-5-METHYL PYRIDIN	106	792	1	36932.	1.354	50.000
21	S1#204	2,6-DIMETHYL PHENOL	122	812	1	30412.	1.115	50.000
22	S2# 27	2,5-DIMETHYL PHENOL	107	864	2	29482.	0.321	50.000
23	S2# 37	3,5-DIMETHYL PHENOL	107	888	2	30355.	0.331	50.000
24	S2# 47	2,3-DIMETHYL PHENOL	107	901	2	31779.	0.346	50.000
25	S2# 57	3,4-DIMETHYL PHENOL	107	920	1	37734.	1.383	50.000
26	S2#150	1-METHYLNAPHTHALENE	142	1079	2	65684.	0.715	50.000

RMAL-GC/MS REILLY TAR & CHEMICAL CO. PROJECT PROCESSING PROGRAM
DATAFILE: D:STDX859.TI STARTED : 6/06/88 9:52:10

6/6/88 9:10:35 SCAN 1 OF 3900
Acquisition started

00996

Acquire Run 2:STDX859 ACQUIRING
06/06/88 9:10:00 + 0:04 Free sectors: 13245 Scan: 8 of 3900
Sample: 80 PPB PAH STD 10-29-87 MLB
Conds.: 2 UL AUTO INJ
Formula: Instrument: 4500 Weight: 80.000
Submitted by: RMAL Analyst: JGG/GW Acct. No: 59436

********** GC PARAMETERS **********
Loaded GC Desc:PA Current GC oven tmp: 29 DegC Injector : 265 DegC
Current GC Desc:PA GC elapsed time : 0: 3 min Int.oven : 300 DegC

Seq.#	Temp(C)	Rate(C/m)	Time(min)	Total time(min)		Open	Close
1	30 - 30	-	1.0	1.0	Sweep/Split	0.5	0.0
2	30 - 325	10.0	29.5	30.5	Divert	45.5	0.0
3	325 - 325	-	15.0	45.5			
4	325 - 325	-	0.0	45.5			

********** SCAN PARAMETERS **********
***** Mode: Centroid positive ion + R1 (Temp)

MID scan Desc: P1 Mass intervals: 3
Scan time: 0.500 s Samp. int.: 0.200 ms Master rate: 1024

Int #	Lo mass	Hi mass	Time	MPW	MFW	MA	TH	BL	ION
1	225.500	226.500	0.105	1	100	0	1	1	Pos
2	227.500	228.500	0.105	1	100	0	1	1	Pos
3	239.500	240.500	0.105	1	100	0	1	1	Pos

Interface number	0	
Sub-interface number	0	
# of acqu buffers	16	
Instrument type	Q	
Full scale mass	1024	u
Zero scale mass	1	u
Intensity/ion	2	
Peak Width	1000.	mmu
Offset at low mass	0	mmu
Offset at high mass	0	mmu
Voltage settling time(MS)	4	

6/6/88 9:39:00 SCAN 3407 OF 3900

MID scan Desc: P2 Mass intervals: 3
Scan time: 0.500 s Samp. Int.: 0.200 ms Master rate: 1024

Int #	Lo mass	Hi mass	Time	MPW	MFW	MA	TH	BL	ION
1	249.575	250.575	0.105	1	100	0	1	1	Pos
2	251.575	252.575	0.105	1	100	0	1	1	Pos
3	263.579	264.579	0.105	1	100	0	1	1	Pos

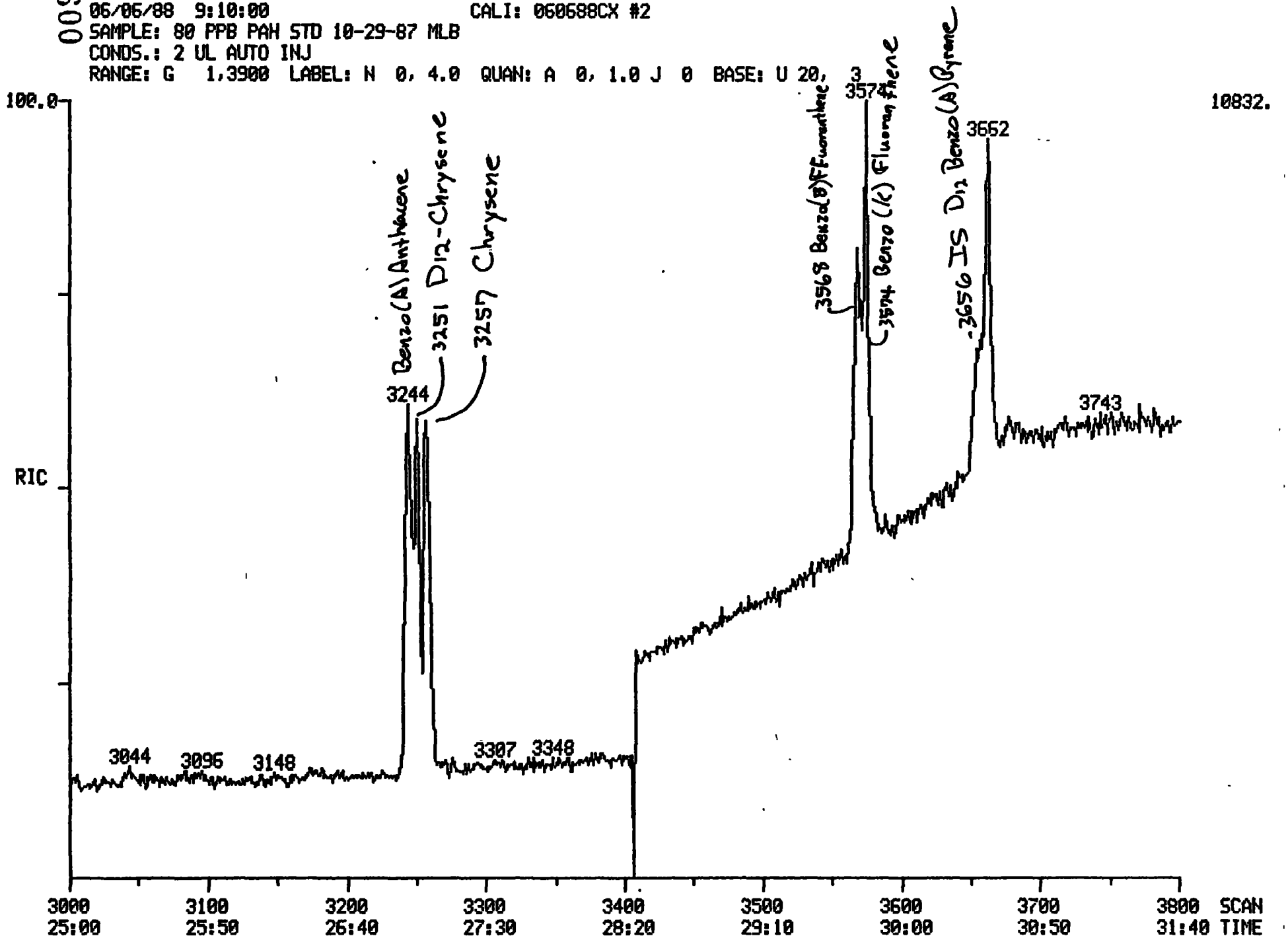
6/6/88 9:43:09
ACQUISITION COMPLETED
SCANS 1 TO 3406 Centroid
SCAN 3407 Suspended
SCANS 3408 TO 3900 Centroid

de	Scans	Secs	Out of	%	Peaks per scan	per sec

00997

MIDRIC
06/06/88 9:10:00
SAMPLE: 80 PPB PAH STD 10-29-87 MLB
CONDS.: 2 UL AUTO INJ
RANGE: G 1.3900 LABEL: N 0, 4.0 QUAN: A 0, 1.0 J 0 BASE: U 20, 3

DATA: STDX859 #3156 SCANS 3000 TO 3800
CALI: 060688CX #2



Quantitation Report File: STDX859

Data: STDX859.TI
06/06/88 9:10:00
Sample: 80 PPB PAH STD 10-29-87 MLB
Conds.: 2 UL AUTO INJ
Formula: Instrument: 4500 Weight: 80.000
Submitted by: RMAL Analyst: JGG/GW Acct. No.: 59436

00998

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

No	Name	
1	D12-BENZO(A)PYRENE	264IPH# 01
2	D12-CHRYSENE	240SPH# 02
3	BENZO(A)ANTHRACENE	228 PH# 03
4	BENZO(A)ANTHRACENE	226 PH# 04
5	CHRYSENE	228 PH# 05
6	CHRYSENE	226 PH# 06
7	BENZO(B)FLUORANTHENE	252 PH# 07
8	BENZO(B)FLUORANTHENE	252 PH# 07
9	BENZO(B)FLUORANTHENE	250 PH# 08
10	BENZO(B)FLUORANTHENE	250 PH# 08
11	BENZO(K)FLUORANTHENE	252 PH# 09
12	BENZO(K)FLUORANTHENE	252 PH# 09
13	BENZO(K)FLUORANTHENE	250 PH# 10
14	BENZO(K)FLUORANTHENE	250 PH# 10
15	BENZO(J)FLUORANTHENE	252 PH# 11
16	BENZO(J)FLUORANTHENE	250 PH# 12
17	BENZO(A)PYRENE	252 PH# 13
18	BENZO(A)PYRENE	250 PH# 14

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount		%Tot
1	264	3656	30:28	1	1.000	A BB	13352.	80.000	NG/ML	6.29
2	240	3251	27:05	1	0.889	A BB	21157.	77.801	NG/ML	6.12
3	228	3244	27:02	1	0.887	A BV	21556.	71.150	NG/ML	5.59
4	226	3244	27:02	1	0.887	A BV	5866.	81.972	NG/ML	6.45
5	228	3257	27:08	1	0.891	A VB	20529.	69.184	NG/ML	5.44
6	226	3258	27:09	1	0.891	A VV	6023.	80.245	NG/ML	6.31
7	252	3568	29:44	1	0.976	A BV	20767.	76.123	NG/ML	5.99
~~8~~	252	3574	29:47	1	0.978	A VB	19975.	73.220	NG/ML	5.76
9	250	3569	29:44	1	0.976	A BV	4007.	80.890	NG/ML	6.36
~~10~~	250	3575	29:47	1	0.978	A VB	4297.	86.737	NG/ML	6.82
~~11~~	252	3568	29:44	1	0.976	A BV	20767.	87.458	NG/ML	6.88
12	252	3574	29:47	1	0.978	A VB	19975.	84.123	NG/ML	6.61
~~13~~	250	3569	29:44	1	0.976	A BV	4007.	77.554	NG/ML	6.10
14	250	3575	29:47	1	0.978	A VB	4297.	83.161	NG/ML	6.54
~~15~~	252	3597	29:58	1	0.984	A BB	105.	0.421	NG/ML	0.03
~~16~~	250	3594	29:57	1	0.983	A BB	140.	2.538	NG/ML	0.20
17	252	3662	30:31	1	1.002	A BB	16500.	73.417	NG/ML	5.77
18	250	3662	30:31	1	1.002	A BV	4722.	85.738	NG/ML	6.74

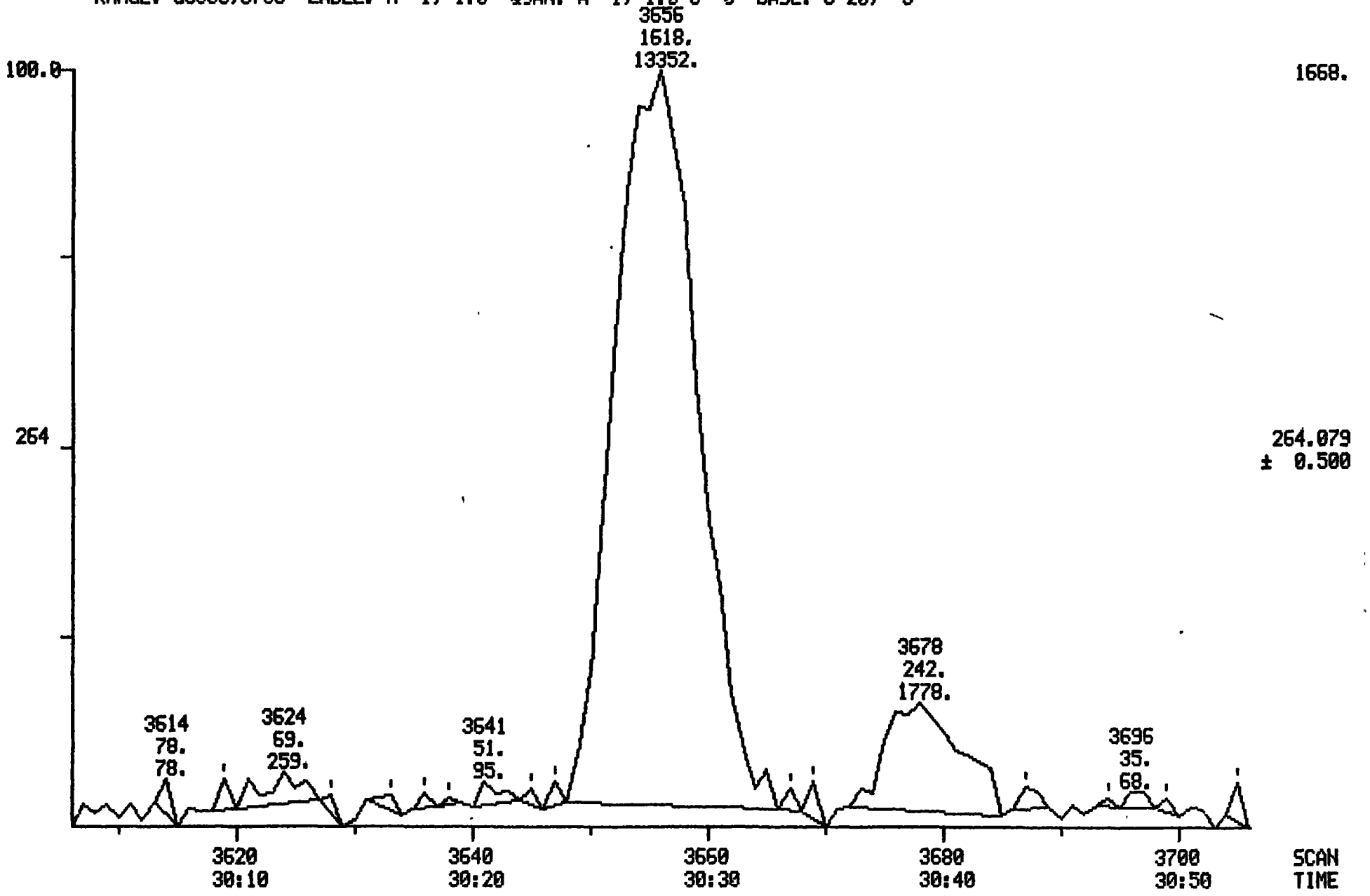
No	Ret(L)	Ratio	RRT(L)	Ratio	Amnt	Amnt(L)	R.Fac	R.Fac(L)	Ratio
1	30:28	1.00	1.000	1.00	80.00	80.00	1.000	1.000	1.00
2	27:05	1.00	0.889	1.00	77.80	80.00	1.585	1.629	0.97
3	27:02	1.00	0.887	1.00	71.15	80.00	1.614	1.815	0.89

No	Ret(L)	Ratio	RRT(L)	Ratio	Amnt	Amnt(L)	R. Fac	R. Fac(L)	Ratio
4	27:02	1.00	0.887	1.00	81.97	80.00	0.439	0.429	1.02
5	27:08	1.00	0.891	1.00	69.18	80.00	1.537	1.778	0.86
6	27:09	1.00	0.891	1.00	80.25	80.00	0.451	0.450	1.00
7	29:44	1.00	0.976	1.00	76.12	80.00	1.555	1.635	0.95
8	29:44	1.00	0.976	1.00	73.22	80.00	1.496	1.635	0.92
9	29:44	1.00	0.976	1.00	80.89	80.00	0.300	0.297	1.01
10	29:44	1.00	0.976	1.00	86.74	80.00	0.322	0.297	1.08
11	29:47	1.00	0.978	1.00	87.46	80.00	1.555	1.423	1.09
12	29:47	1.00	0.978	1.00	84.12	80.00	1.496	1.423	1.05
13	29:47	1.00	0.978	1.00	77.55	80.00	0.300	0.310	0.97
14	29:47	1.00	0.978	1.00	83.16	80.00	0.322	0.310	1.04
15	29:41	1.01	0.982	1.00	0.42	80.00	0.008	1.496	0.01
16	29:41	1.01	0.982	1.00	2.54	80.00	0.010	0.330	0.03
17	30:31	1.00	1.002	1.00	73.42	80.00	1.236	1.347	0.92
18	30:31	1.00	1.002	1.00	85.74	80.00	0.354	0.330	1.07

00999

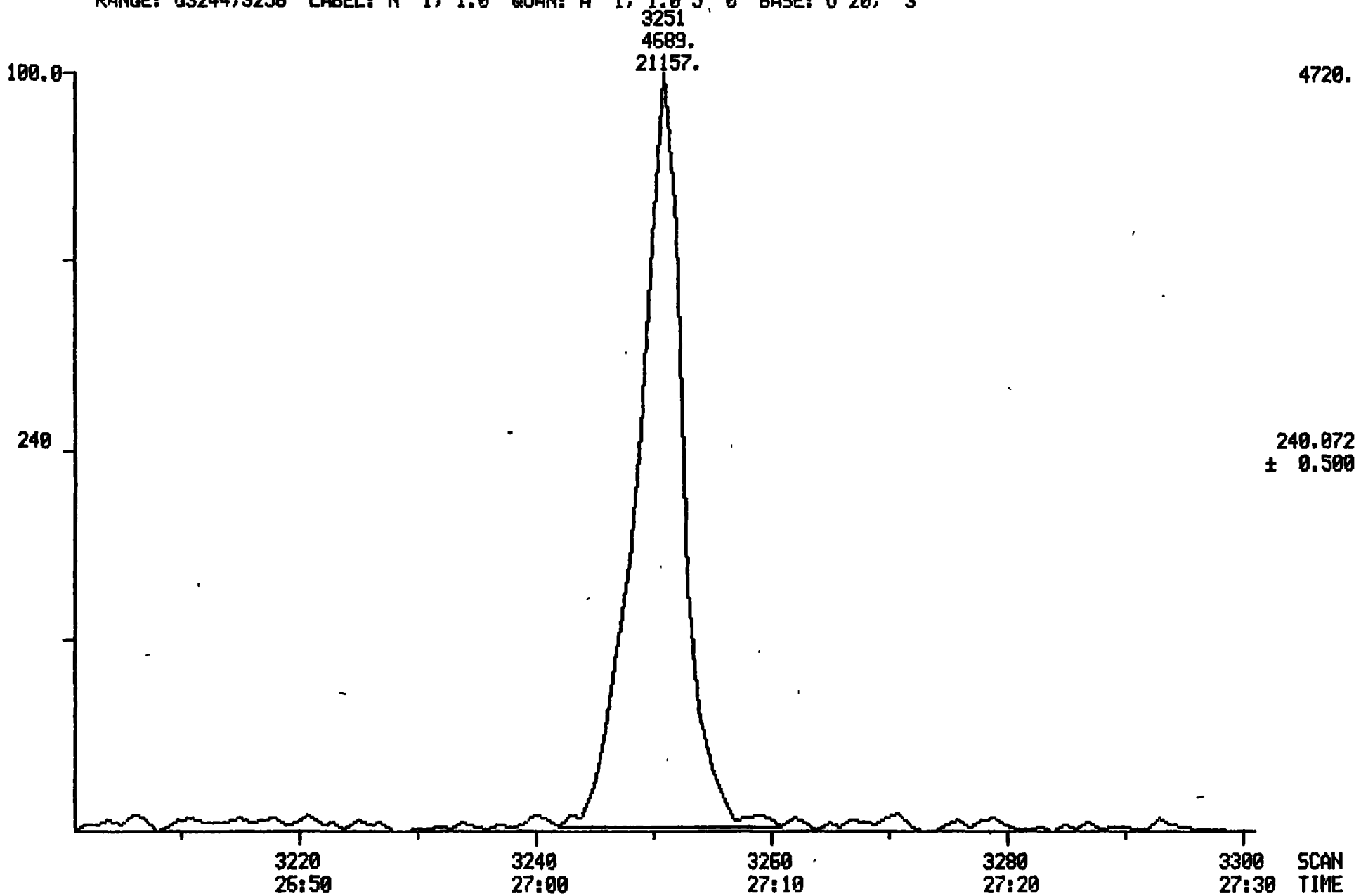
01000

MIDMASS CHROMATOGRAM DATA: STDX859 #3656 SCANS 3606 TO 3706
06/06/88 9:10:00 CALI: 060688CX #2
SAMPLE: 80 PPB PAH STD 10-29-87 MLB
CONDS.: 2 UL AUTO INJ
D12-BENZO(A)PYRENE 264IPH# 01
RANGE: G3606,3706 LABEL: N 1, 1.0 QUAN: A 1, 1.0 J 0 BASE: U 20, 3



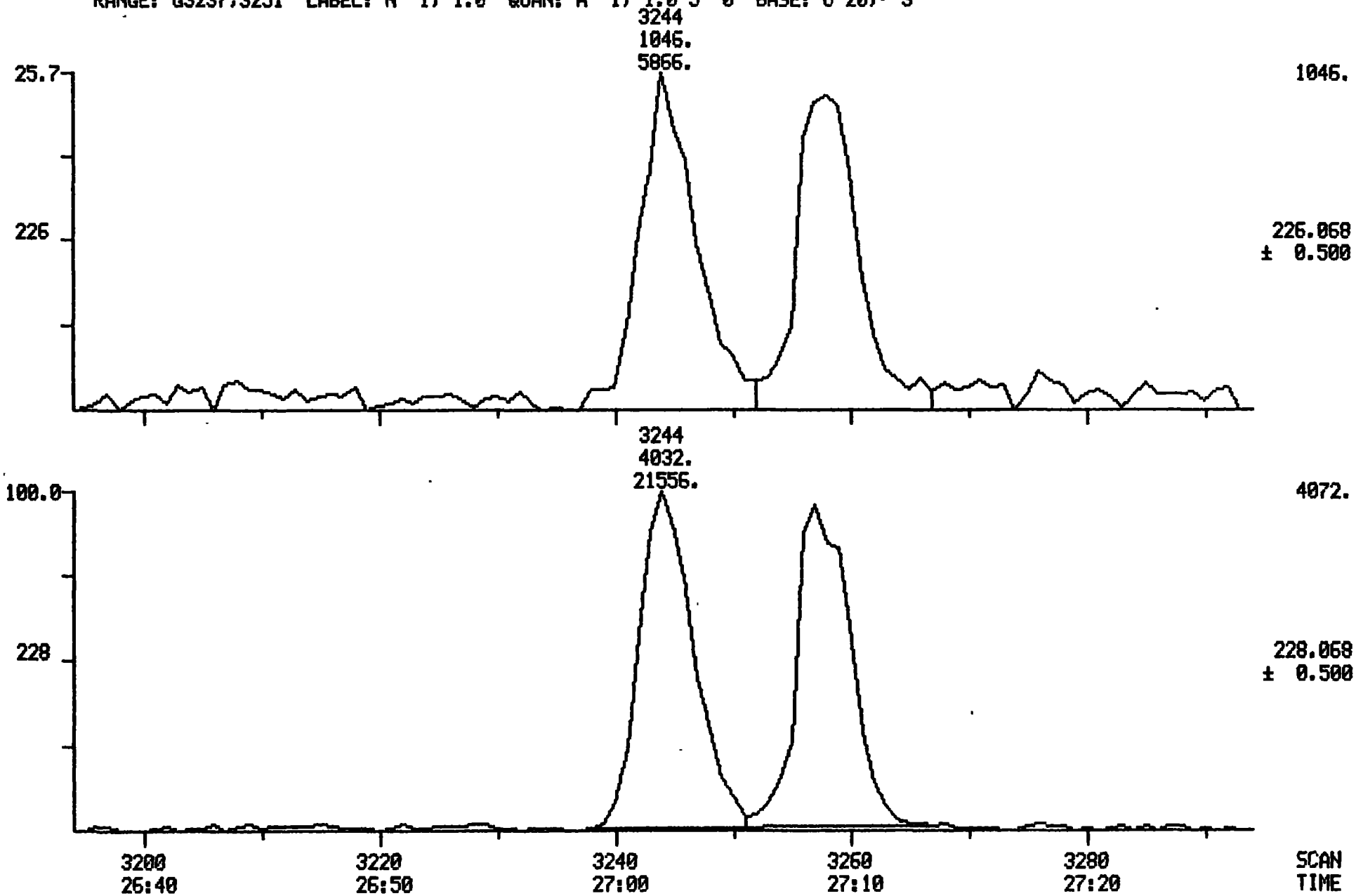
01001

MIDMASS CHROMATOGRAM DATA: STDX859 #3251 SCANS 3201 TO 3301
06/06/88 9:10:00 CALI: 060688CX #2
SAMPLE: 80 PPB PAH STD 10-29-87 MLB
CONDS.: 2 UL AUTO INJ
D12-CHRYSENE 240SPH# 02
RANGE: G3244,3258 LABEL: N 1, 1.0 QUAN: A 1, 1.0 J 0 BASE: U 20, 3



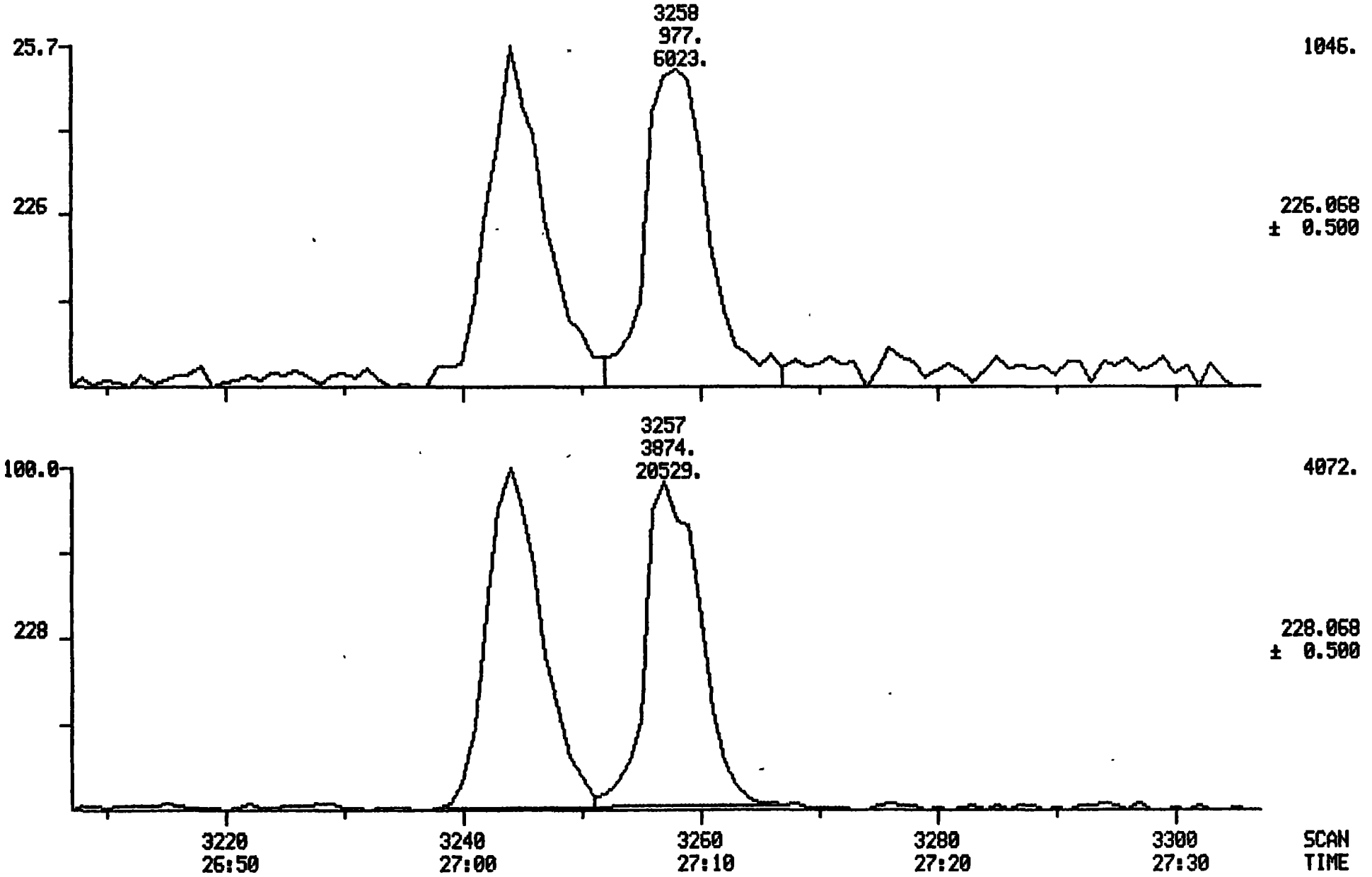
01002

MIDMASS CHROMATOGRAMS DATA: STDX859 #3244 SCANS 3194 TO 3294
06/06/88 9:10:00 CALI: 060688CX #2
SAMPLE: 80 PPB PAH STD 10-29-87 MLB
CONDS.: 2 UL AUTO INJ
BENZO(A)ANTHRACENE 228 PH# 03
RANGE: G3237,3251 LABEL: N 1, 1.0 QUAN: A 1, 1.0 J 0 BASE: U 20, 3



01003

MIDMASS CHROMATOGRAMS DATA: STDX859 #3257 SCANS 3207 TO 3307
06/06/88 9:10:00 CALI: 060688CX #2
SAMPLE: 80 PPB PAH STD 10-29-87 MLB
CONDS.: 2 UL AUTO INJ
CHRYSENE 228 PH# 05
RANGE: G3250,3264 LABEL: N 1, 1.0 QUAN: A 1, 1.0 J 0 BASE: U 20, 3

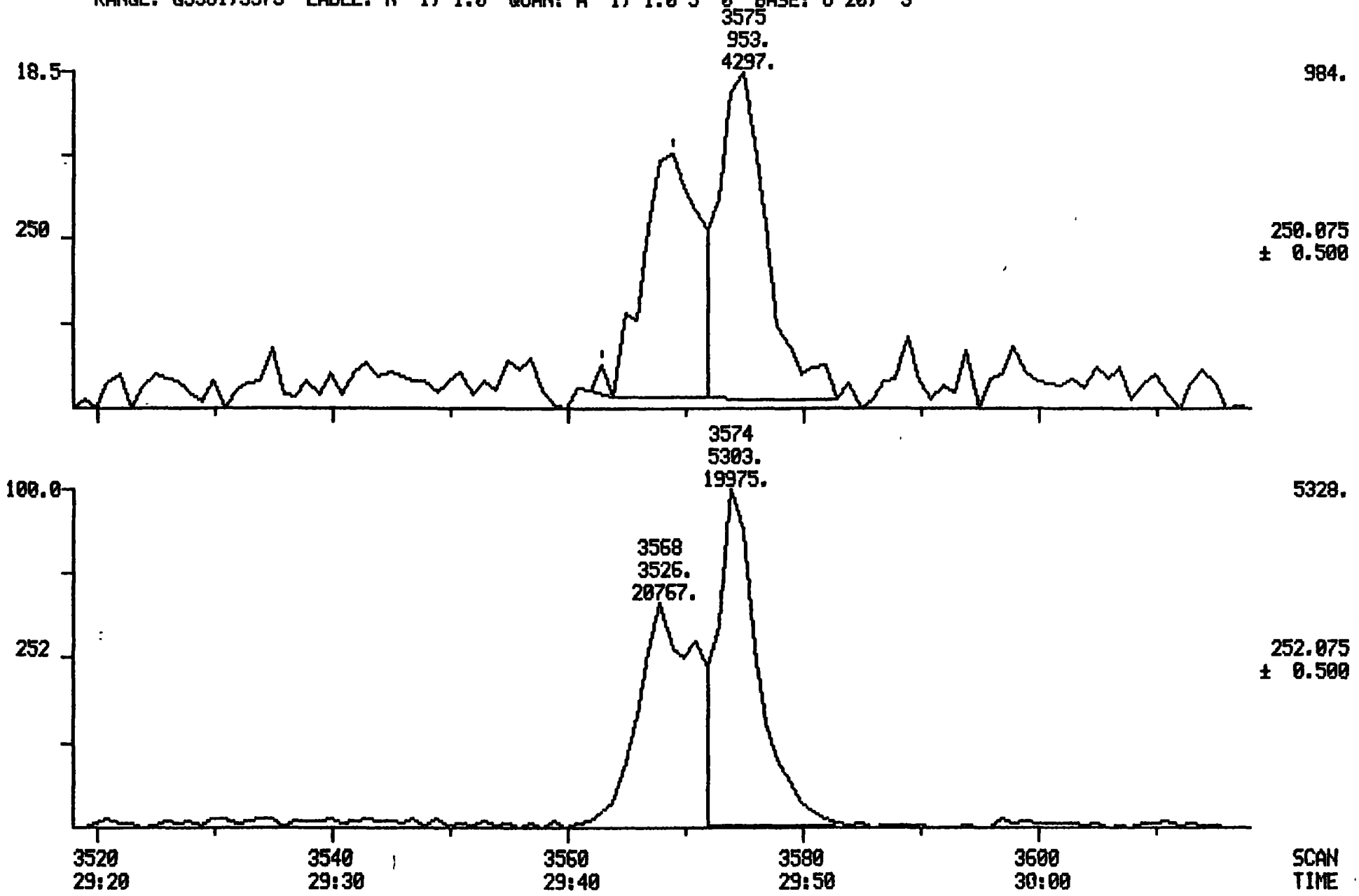


01004

MIDMASS CHROMATOGRAMS
06/06/88 9:10:00
SAMPLE: 80 PPB PAH STD 10-29-87 MLB
CONDS.: 2 UL AUTO INJ
BENZO(B)FLUORANTHENE 252 PH# 07
RANGE: G3561,3575 LABEL: N 1, 1.0 QUAN: A 1, 1.0 J 0 BASE: U 20, 3

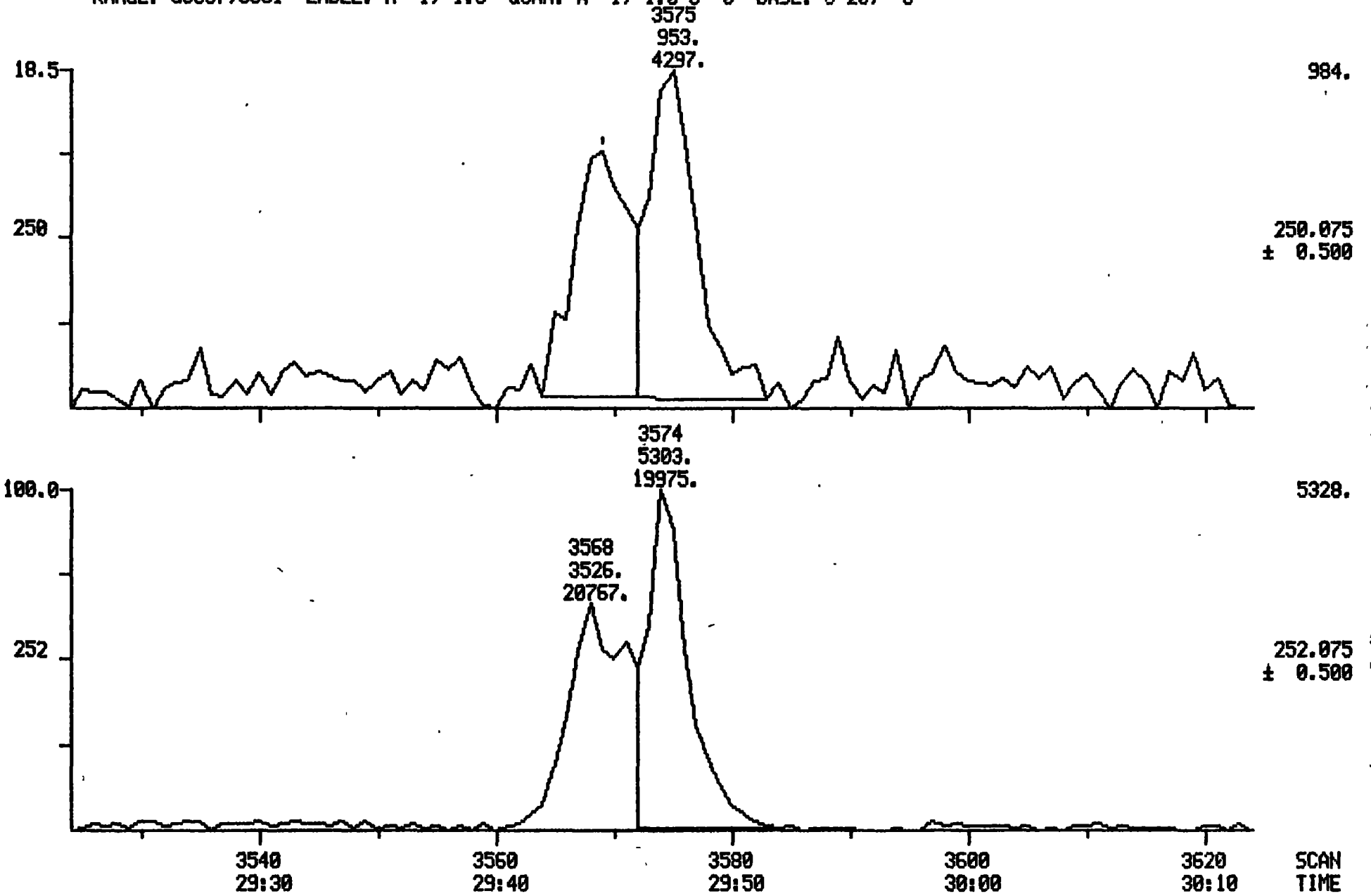
DATA: STDX859 #3568
CALI: 060688CX #2

SCANS 3518 TO 3618



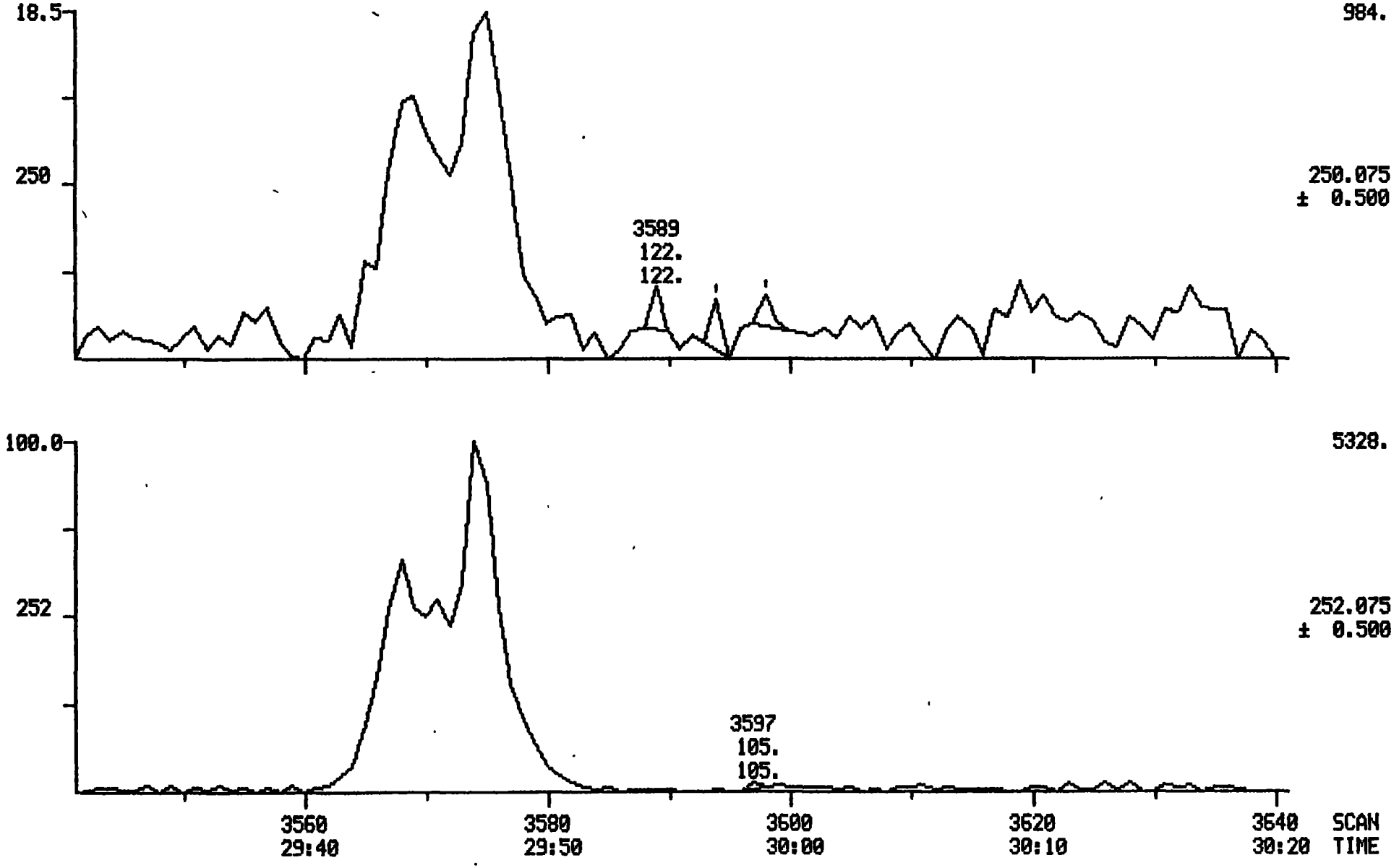
01005

MIDMASS CHROMATOGRAMS DATA: STDX859 #3574 SCANS 3524 TO 3624
06/06/88 9:10:00 CALI: 060688CX #2
SAMPLE: 80 PPB PAH STD 10-29-87 MLB
CONDS.: 2 UL AUTO INJ
BENZO(K)FLUORANTHENE 252 PH# 09
RANGE: G3567,3581 LABEL: N 1, 1.0 QUAN: A 1, 1.0 J 0 BASE: U 20, 3



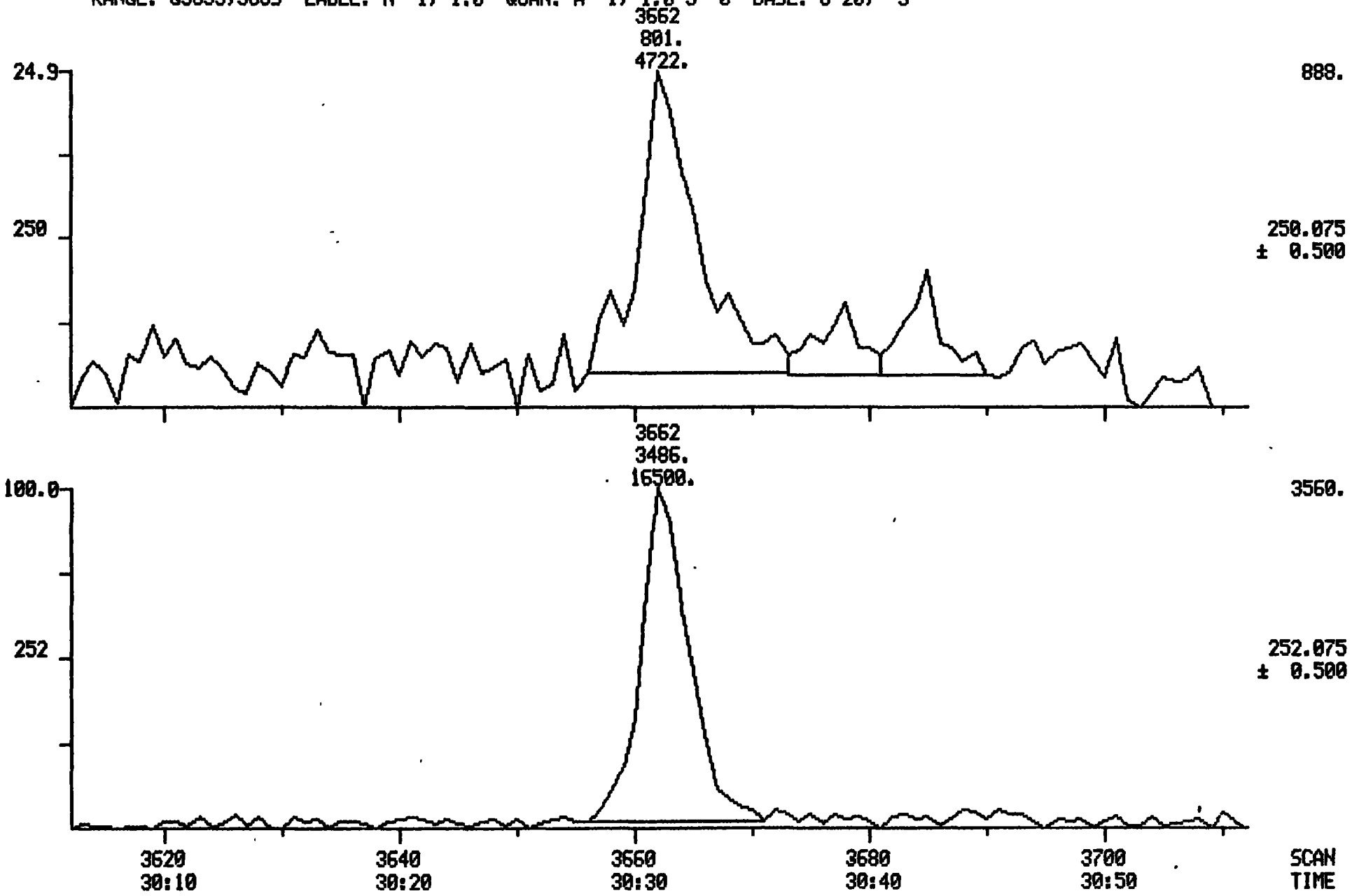
01006

MIDMASS CHROMATOGRAMS DATA: STDX859 #3591 SCANS 3541 TO 3641
06/06/88 9:10:00 CALI: 060688CX #2
SAMPLE: 80 PPB PAH STD 10-29-87 MLB
CONDS.: 2 UL AUTO INJ
BENZO(J)FLUORANTHENE 252 PH# 11
RANGE: G3584,3598 LABEL: N 1, 1.0 QUAN: A 1, 1.0 J 0 BASE: U 20, 3



01007

MIDMASS CHROMATOGRAMS DATA: STDX859 #3662 SCANS 3612 TO 3712
06/06/88 9:10:00 CALI: 060688CX #2
SAMPLE: 80 PPB PAH STD 10-29-87 MLB
CONDS.: 2 UL AUTO INJ
BENZO(A)PYRENE 252 PH# 13
RANGE: G3655,3669 LABEL: N 1, 1.0 QUAN: A 1, 1.0 J 0 BASE: U 20, 3



Quantitation Report File: STDX859

01008

Data: STDX859.TI
06/06/88 9:10:00
Sample: 80 PPB PAH STD 10-29-87 MLB
Conds.: 2 UL AUTO INJ
Formula: Instrument: 4500 Weight: 80.000
Submitted by: RMAL Analyst: JGG/GW Acct. No.: 59436

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

No	Name	
1	D12-BENZO(A)PYRENE	264IPH# 01
2	D12-CHRYSENE	240SPH# 02
3	BENZO(A)ANTHRACENE	228 PH# 03
4	BENZO(A)ANTHRACENE	226 PH# 04
5	CHRYSENE	228 PH# 05
6	CHRYSENE	226 PH# 06
7	BENZO(B)FLUORANTHENE	252 PH# 07
8	BENZO(B)FLUORANTHENE	250 PH# 08
9	BENZO(K)FLUORANTHENE	252 PH# 09
10	BENZO(K)FLUORANTHENE	250 PH# 10
11	BENZO(A)PYRENE	252 PH# 13
12	BENZO(A)PYRENE	250 PH# 14

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount		%Tot
1	264	3656	30:28	1	1.000	A BB	13352.	80.000	NG/ML	8.48
2	240	3251	27:05	1	0.889	A BB	21157.	77.801	NG/ML	8.24
3	228	3244	27:02	1	0.887	A BV	21556.	71.150	NG/ML	7.54
4	226	3244	27:02	1	0.887	A BV	5866.	81.972	NG/ML	8.69
5	228	3257	27:08	1	0.891	A VB	20529.	69.184	NG/ML	7.33
6	226	3258	27:09	1	0.891	A VV	6023.	80.245	NG/ML	8.50
7	252	3568	29:44	1	0.976	A BV	20767.	76.123	NG/ML	8.07
8	250	3569	29:44	1	0.976	A BV	4007.	80.890	NG/ML	8.57
9	252	3574	29:47	1	0.978	A VB	19975.	84.123	NG/ML	8.91
10	250	3575	29:47	1	0.978	A VB	4297.	83.161	NG/ML	8.81
11	252	3662	30:31	1	1.002	A BB	16500.	73.417	NG/ML	7.78
12	250	3662	30:31	1	1.002	A BV	4722.	85.738	NG/ML	9.08

No	Ret(L)	Ratio	RRT(L)	Ratio	Amnt	Amnt(L)	R.Fac	R.Fac(L)	Ratio
1	29:30	1.03	1.000	1.00	80.00	80.00	1.000	1.000	1.00
2	26:14	1.03	0.890	1.00	77.80	80.00	1.585	1.629	0.97
3	26:12	1.03	0.888	1.00	71.15	80.00	1.614	1.815	0.89
4	26:12	1.03	0.888	1.00	81.97	80.00	0.439	0.429	1.02
5	26:18	1.03	0.892	1.00	69.18	80.00	1.537	1.778	0.86
6	26:18	1.03	0.892	1.00	80.25	80.00	0.451	0.450	1.00
7	28:48	1.03	0.977	1.00	76.12	80.00	1.555	1.635	0.95
8	28:48	1.03	0.977	1.00	80.89	80.00	0.300	0.297	1.01
9	28:51	1.03	0.978	1.00	84.12	80.00	1.496	1.423	1.05
10	28:51	1.03	0.978	1.00	83.16	80.00	0.322	0.310	1.04
11	29:32	1.03	1.001	1.00	73.42	80.00	1.236	1.347	0.92
12	29:33	1.03	1.002	1.00	85.74	80.00	0.354	0.330	1.07

Quantitation Report File: STDX859

Data: STDX859.TI
06/06/88 9:10:00
Sample: 80 PPB PAH STD 10-29-87 MLB
Conds.: 2 UL AUTO INJ
Formula: Instrument: 4500 Weight: 80.000
Submitted by: RMAL Analyst: JGG/GW Acct. No.: 59436

01009

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

No	Name	
1	D12-BENZO(A)PYRENE	264IPH# 01
2	D12-CHRYSENE	240SPH# 02
3	BENZO(A)ANTHRACENE	228 PH# 03
4	BENZO(A)ANTHRACENE	226 PH# 04
5	CHRYSENE	228 PH# 05
6	CHRYSENE	226 PH# 06
7	BENZO(B)FLUORANTHENE	252 PH# 07
8	BENZO(B)FLUORANTHENE	250 PH# 08
9	BENZO(K)FLUORANTHENE	252 PH# 09
10	BENZO(K)FLUORANTHENE	250 PH# 10
11	BENZO(A)PYRENE	252 PH# 13
12	BENZO(A)PYRENE	250 PH# 14

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount		%Tot
1	264	3656	30:28	1	1.000	A BB	13352.	80.000	NG/ML	8.33
2	240	3251	27:05	1	0.889	A BB	21157.	80.000	NG/ML	8.33
3	228	3244	27:02	1	0.887	A BV	21556.	80.000	NG/ML	8.33
4	226	3244	27:02	1	0.887	A BV	5866.	80.000	NG/ML	8.33
5	228	3257	27:08	1	0.891	A VB	20529.	80.000	NG/ML	8.33
6	226	3258	27:09	1	0.891	A VV	6023.	80.000	NG/ML	8.33
7	252	3568	29:44	1	0.976	A BV	20767.	80.000	NG/ML	8.33
8	250	3569	29:44	1	0.976	A BV	4007.	80.000	NG/ML	8.33
9	252	3574	29:47	1	0.978	A VB	19975.	80.000	NG/ML	8.33
10	250	3575	29:47	1	0.978	A VB	4297.	80.000	NG/ML	8.33
11	252	3662	30:31	1	1.002	A BB	16500.	80.000	NG/ML	8.33
12	250	3662	30:31	1	1.002	A BV	4722.	80.000	NG/ML	8.33

No	Ret(L)	Ratio	RRT(L)	Ratio	Amnt	Amnt(L)	R.Fac	R.Fac(L)	Ratio
1	30:28	1.00	1.000	1.00	80.00	80.00	1.000	1.000	1.00
2	27:05	1.00	0.889	1.00	80.00	80.00	1.585	1.585	1.00
3	27:02	1.00	0.887	1.00	80.00	80.00	1.614	1.614	1.00
4	27:02	1.00	0.887	1.00	80.00	80.00	0.439	0.439	1.00
5	27:08	1.00	0.891	1.00	80.00	80.00	1.537	1.537	1.00
6	27:09	1.00	0.891	1.00	80.00	80.00	0.451	0.451	1.00
7	29:44	1.00	0.976	1.00	80.00	80.00	1.555	1.555	1.00
8	29:44	1.00	0.976	1.00	80.00	80.00	0.300	0.300	1.00
9	29:47	1.00	0.978	1.00	80.00	80.00	1.496	1.496	1.00
10	29:47	1.00	0.978	1.00	80.00	80.00	0.322	0.322	1.00
11	30:31	1.00	1.002	1.00	80.00	80.00	1.236	1.236	1.00
12	30:31	1.00	1.002	1.00	80.00	80.00	0.354	0.354	1.00

RMAL-GC/MS REILLY TAR & CHEMICAL CO. PROJECT PROCESSING PROGRAM
RMAL-GC/MS REILLY TAR & CHEMICAL CO. PROJECT PROCESSING PROGRAM
DATAFILE: D: STDX866. TI STARTED : 6/06/88 16:00:41

01010

6/6/88 15:30:52 SCAN 1 OF 3900
Acquisition started

Acquire Run 2: STDX866 ACQUIRING
06/06/88 15:30:00 + 0:04 Free sectors: 11369 Scan: 8 of 3900
Sample: 59444-15 PAH/WATER 100%/0.5ML
Conds.: 2 UL AUTO INJ
Formula: Instrument: 4500 Weight: 80.000
Submitted by: RMAL Analyst: JGG/GW Acct. No: 59436

********** GC PARAMETERS **********
Loaded GC Desc: PA Current GC oven tmp: 29 DegC Injector : 265 DegC
Current GC Desc: PA GC elapsed time : 0: 3 min Int. oven : 300 DegC

Seq. #	Temp(C)	Rate(C/m)	Time(min)	Total time(min)		Open	Close
1	30 - 30	-	1.0	1.0	Sweep/Split	0.5	0.0
2	30 - 325	10.0	29.5	30.5	Divert	45.5	0.0
3	325 - 325	-	15.0	45.5			
4	325 - 325	-	0.0	45.5			

********** SCAN PARAMETERS **********
***** Mode: Centroid positive ion + R1 (Temp)

MID scan Desc: P1 Mass intervals: 3
Scan time: 0.500 s Samp. int.: 0.200 ms Master rate: 1024

Int #	Lo mass	Hi mass	Time	MPW	MFW	MA	TH	BL	ION
1	225.500	226.500	0.105	1	100	0	1	1	Pos
2	227.500	228.500	0.105	1	100	0	1	1	Pos
3	239.500	240.500	0.105	1	100	0	1	1	Pos

Interface number	0	
Sub-interface number	0	
# of acqu buffers	16	
Instrument type	Q	
Full scale mass	1024	u
Zero scale mass	1	u
Intensity/ion	2	
Peak Width	1000.	mmu
Offset at low mass	0	mmu
Offset at high mass	0	mmu
Voltage settling time(MS)	4	

6/6/88 15:59:16 SCAN 3408 OF 3900

MID scan Desc: P2 Mass intervals: 3
Scan time: 0.500 s Samp. Int.: 0.200 ms Master rate: 1024

Int #	Lo mass	Hi mass	Time	MPW	MFW	MA	TH	BL	ION
1	249.575	250.575	0.105	1	100	0	1	1	Pos
2	251.575	252.575	0.105	1	100	0	1	1	Pos
3	263.579	264.579	0.105	1	100	0	1	1	Pos

6/6/88 16:03:28
ACQUISITION COMPLETED
SCANS 1 TO 3407 Centroid
SCAN 3408 Suspended
SCANS 3409 TO 3900 Centroid

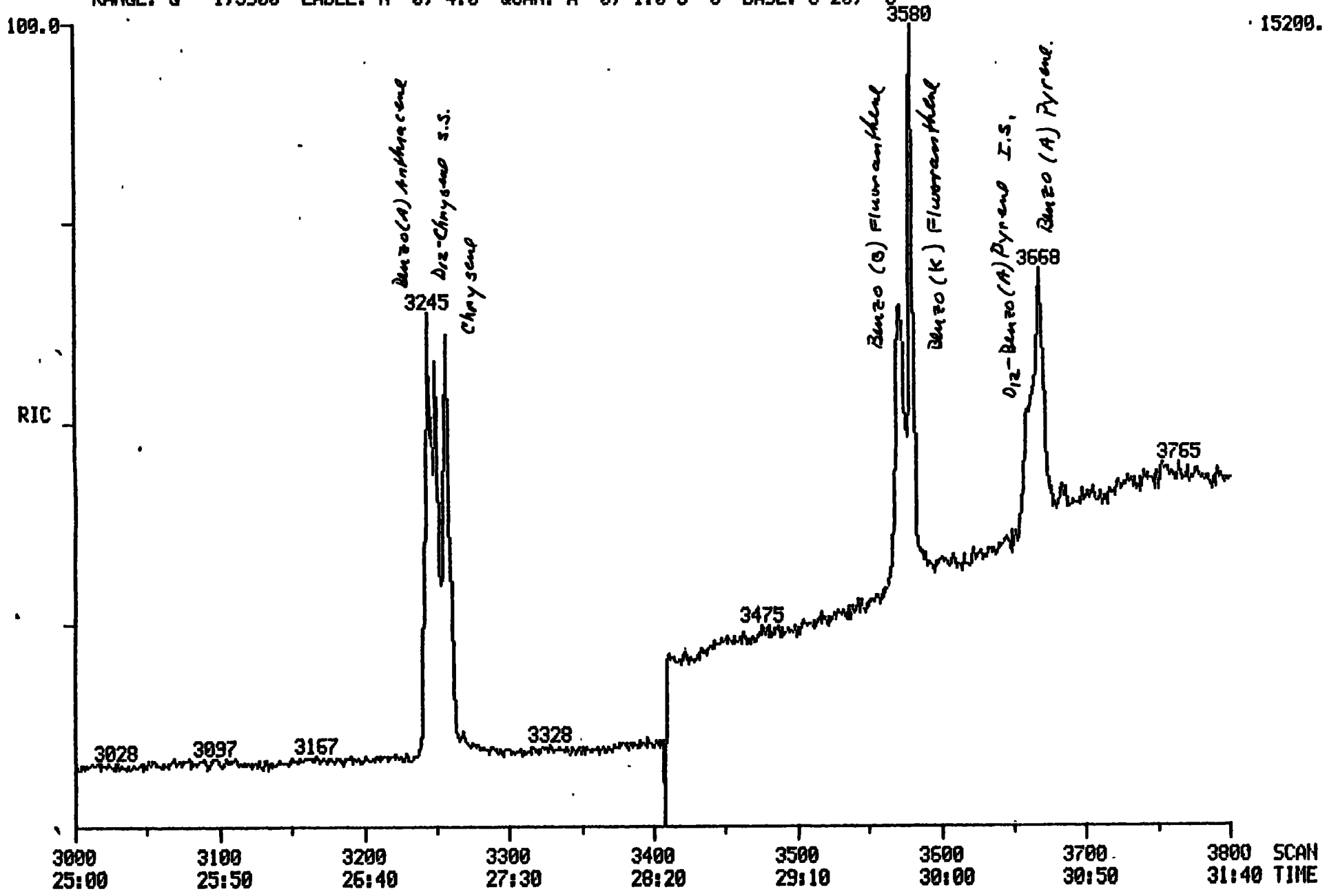
Centroid	3899	180.0	1949.5	9.2	13559.	3.	7.

01011

01012

MIDRIC
06/06/88 15:30:00
SAMPLE: 80 PPB PAH STD 10-19-87 MLB
CONDS.: 2 UL AUTO INJ
RANGE: G 1.3900 LABEL: N 0, 4.0 QUAN: A 0, 1.0 J 0 BASE: U 20, 3

DATA: STDX866 #3656 SCANS 3000 TO 3800
CALI: 060688CX #2



Quantitation Report . File: STDX866

01013

Data: STDX866.TI
06/06/88 15:30:00
Sample: 80 PPB PAH STD 10-19-87 MLB
Conds.: 2 UL AUTO INJ
Formula: Instrument: 4500 Weight: 80.000
Submitted by: RMAL Analyst: JGG/GW Acct. No.: 59436

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

No	Name		
1	D12-BENZO(A)PYRENE	264IPH#	01
2	D12-CHRYSENE	240SPH#	02
3	BENZO(A)ANTHRACENE	228 PH#	03
4	BENZO(A)ANTHRACENE	226 PH#	04
5	CHRYSENE	228 PH#	05
6	CHRYSENE	226 PH#	06
7	BENZO(B)FLUORANTHENE	252 PH#	07
8	BENZO(B)FLUORANTHENE	250 PH#	08
9	BENZO(B)FLUORANTHENE	250 PH#	08
10	BENZO(K)FLUORANTHENE	252 PH#	09
11	BENZO(K)FLUORANTHENE	252 PH#	09
12	BENZO(K)FLUORANTHENE	250 PH#	10
13	BENZO(K)FLUORANTHENE	250 PH#	10
14	BENZO(J)FLUORANTHENE	252 PH#	11
15	BENZO(J)FLUORANTHENE	250 PH#	12
16	BENZO(J)FLUORANTHENE	250 PH#	12
17	BENZO(A)PYRENE	252 PH#	13
18	BENZO(A)PYRENE	250 PH#	14

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount		%Tot
1	264	3660	30:30	1	1.000	A BB	20018.	80.000	NG/ML	6.50
2	240	3250	27:05	1	0.888	A BB	32790.	82.700	NG/ML	6.72
3	228	3245	27:02	1	0.887	A BV	30129.	74.581	NG/ML	6.06
4	226	3245	27:02	1	0.887	A BV	7042.	64.055	NG/ML	5.21
5	228	3257	27:08	1	0.890	A VB	30103.	78.247	NG/ML	6.36
6	226	3257	27:08	1	0.890	A VV	8461.	74.959	NG/ML	6.09
7	252	3571	29:45	1	0.976	A BV	29454.	75.679	NG/ML	6.15
8	250	3572	29:46	1	0.976	A VV	8014.	106.716	NG/ML	8.67
~~9~~	250	3580	29:50	1	0.978	A VB	7501.	99.889	NG/ML	8.12
~~10~~	252	3571	29:45	1	0.976	A BV	29454.	78.680	NG/ML	6.39
11	252	3580	29:50	1	0.978	A VB	28811.	76.962	NG/ML	6.25
~~12~~	250	3572	29:46	1	0.976	A VV	8014.	99.521	NG/ML	8.09
13	250	3580	29:50	1	0.978	A VB	7501.	93.155	NG/ML	7.57
~~14~~	252	3589	29:54	1	0.981	A BB	280.	0.748	NG/ML	0.06
~~15~~	250	3597	29:58	1	0.983	A BB	184.	2.225	NG/ML	0.18
~~16~~	250	3600	30:00	1	0.984	A BB	188.	2.273	NG/ML	0.18
17	252	3668	30:34	1	1.002	A BV	25597.	82.779	NG/ML	6.73
18	250	3668	30:34	1	1.002	A BV	5076.	57.360	NG/ML	4.66

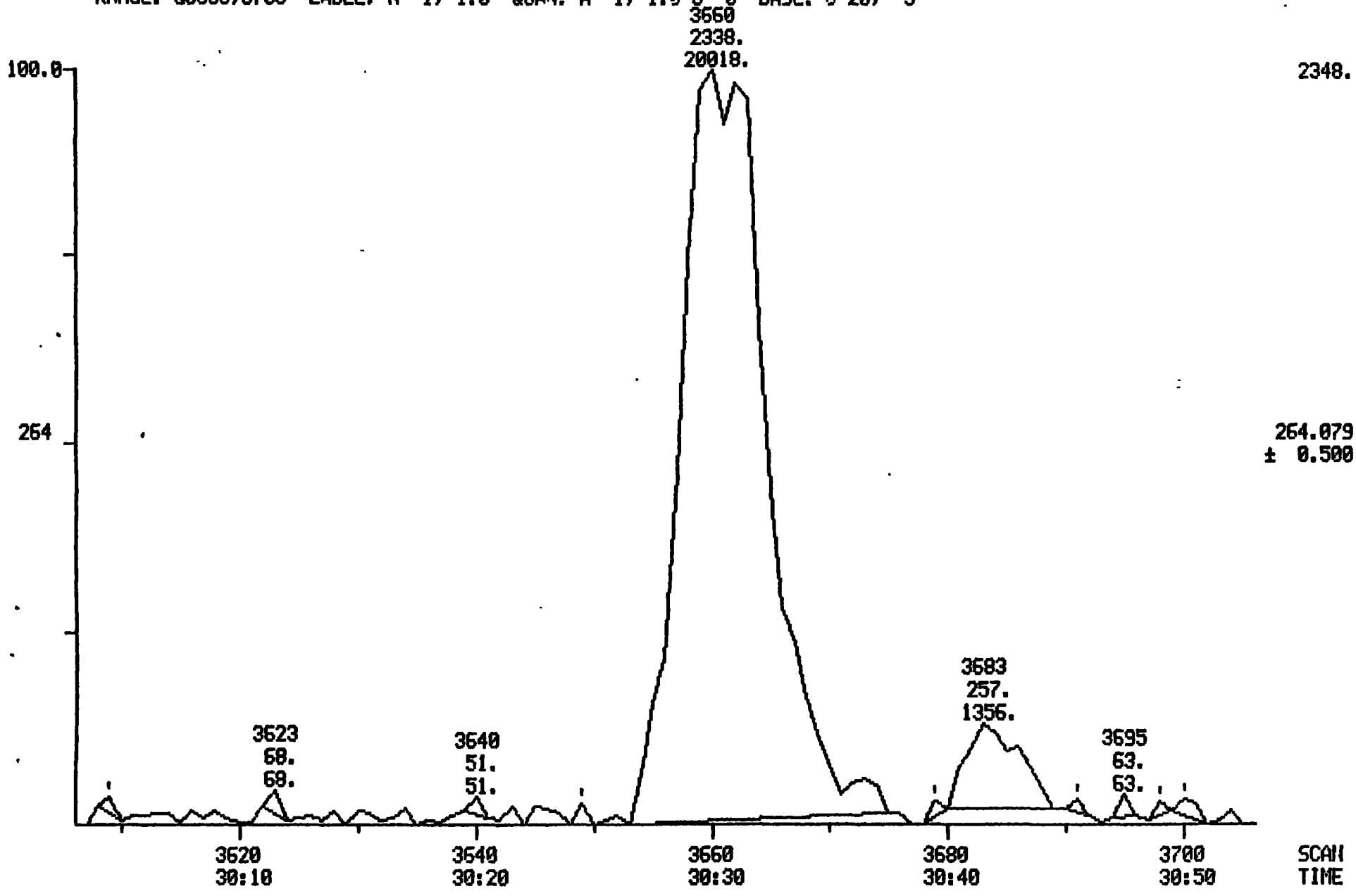
No	Ret(L)	Ratio	RRT(L)	Ratio	Amnt	Amnt(L)	R.Fac	R.Fac(L)	Ratio
1	30:28	1.00	1.000	1.00	80.00	80.00	1.000	1.000	1.00
2	27:05	1.00	0.889	1.00	82.70	80.00	1.638	1.585	1.03
3	27:02	1.00	0.887	1.00	74.58	80.00	1.505	1.614	0.93

No	Ret(L)	Ratio	RRT(L)	Ratio	Amnt	Amnt(L)	R. Fac	R. Fac(L)	Ratio
4	27:02	1.00	0.887	1.00	64.06	80.00	0.352	0.439	0.80
5	27:08	1.00	0.891	1.00	78.25	80.00	1.504	1.537	0.98
6	27:09	1.00	0.891	1.00	74.96	80.00	0.423	0.451	0.94
7	29:44	1.00	0.976	1.00	75.68	80.00	1.471	1.555	0.95
8	29:44	1.00	0.976	1.00	106.72	80.00	0.400	0.300	1.33
9	29:44	1.00	0.976	1.00	99.89	80.00	0.375	0.300	1.25
10	29:47	1.00	0.978	1.00	78.68	80.00	1.471	1.496	0.98
11	29:47	1.00	0.978	1.00	76.96	80.00	1.439	1.496	0.96
12	29:47	1.00	0.978	1.00	99.52	80.00	0.400	0.322	1.24
13	29:47	1.00	0.978	1.00	93.15	80.00	0.375	0.322	1.16
14	29:41	1.01	0.982	1.00	0.75	80.00	0.014	1.496	0.01
15	29:41	1.01	0.982	1.00	2.22	80.00	0.009	0.330	0.03
16	29:41	1.01	0.982	1.00	2.27	80.00	0.009	0.330	0.03
17	30:31	1.00	1.002	1.00	82.78	80.00	1.279	1.236	1.03
18	30:31	1.00	1.002	1.00	57.36	80.00	0.254	0.354	0.72

01014

01015

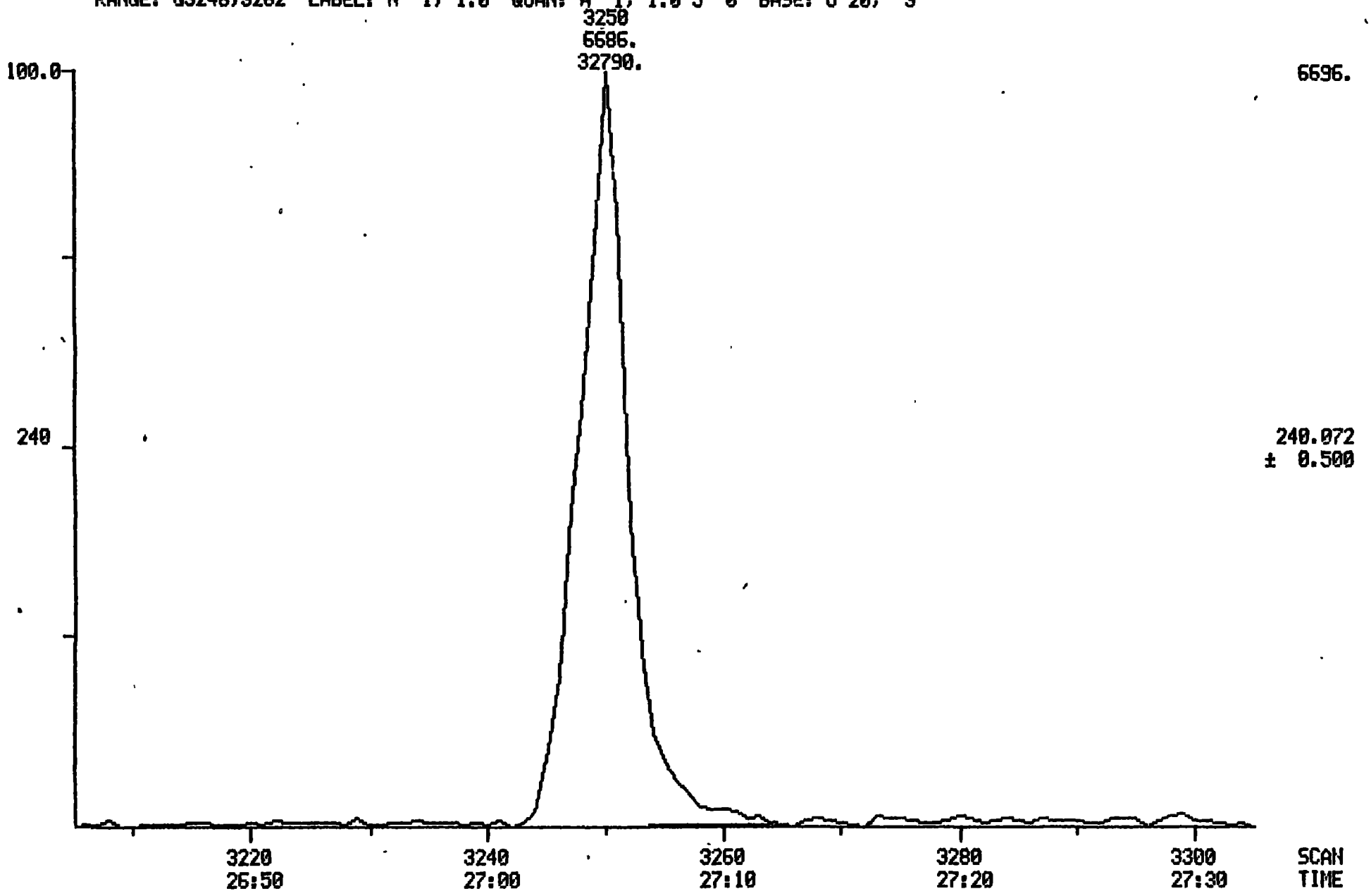
MIDMASS CHROMATOGRAM DATA: STDX866 #3656 SCANS 3606 TO 3706
06/06/88 15:30:00 CALI: 060688CX #2
SAMPLE: 80 PPB PAH STD 10-19-87 MLB
CONDS.: 2 UL AUTO INJ
D12-BENZO(A)PYRENE 264IPH# 01
RANGE: G3606,3706 LABEL: N 1, 1.0 QUAN: A 1, 1.0 J 0 BASE: U 20, 3



01016

MIDMASS CHROMATOGRAM
06/06/88 15:30:00
SAMPLE: 80 PPB PAH STD 10-19-87 MLB
CONDS.: 2 UL AUTO INJ
D12-CHRYSENE 240SPH# 02
RANGE: G3248,3262 LABEL: N 1, 1.0 QUAN: A 1, 1.0 J 0 BASE: U 20, 3

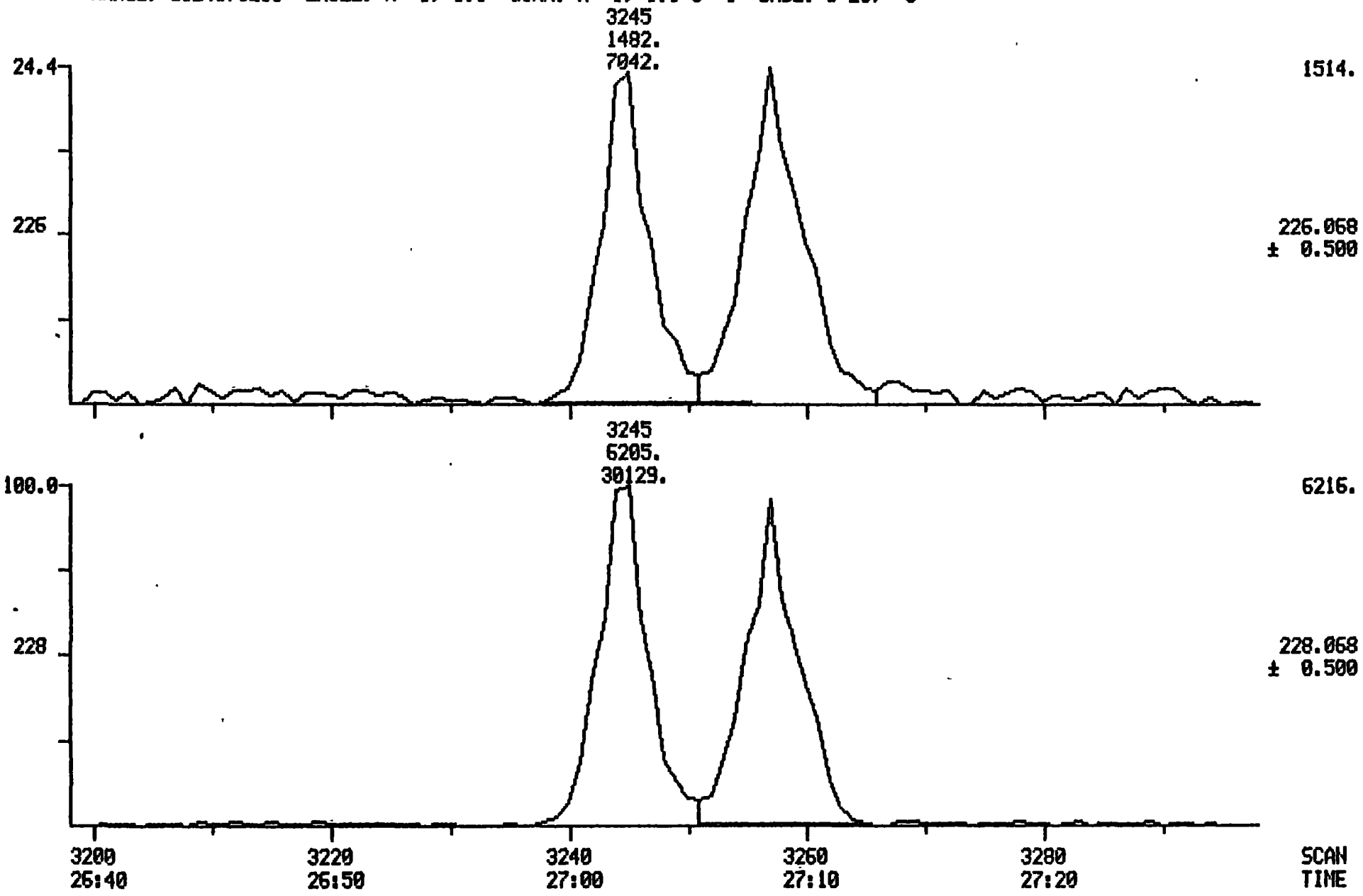
DATA: STDX866 #3255 SCANS 3205 TO 3305
CALI: 060688CX #2



01017

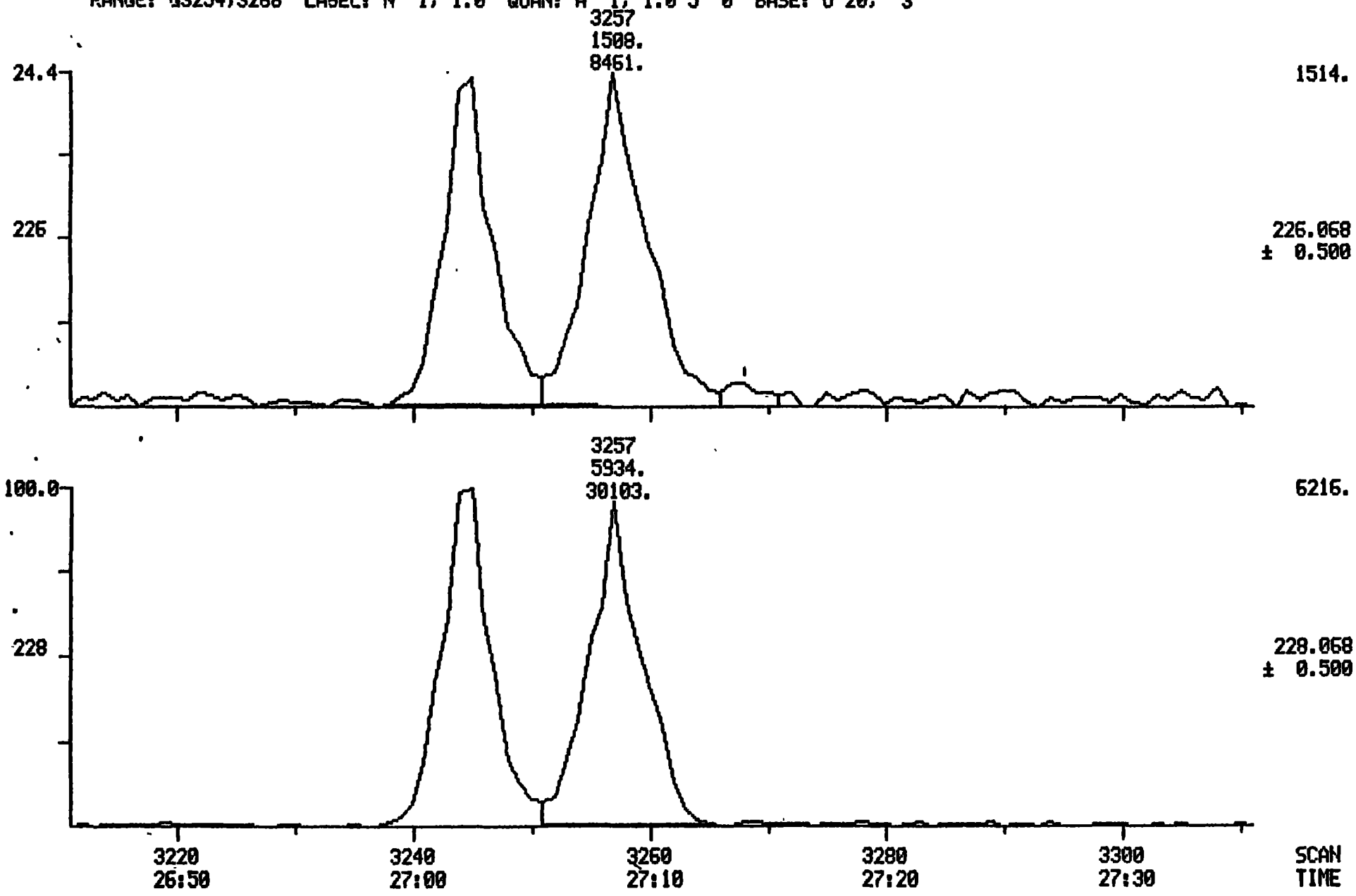
MIDMASS CHROMATOGRAMS
06/06/88 15:30:00
SAMPLE: 80 PPB PAH STD 10-19-87 MLB
CONDS.: 2 UL AUTO INJ
BENZO(A)ANTHRACENE 228 PH# 03
RANGE: G3241,3255 LABEL: N 1, 1.0 QUAN: A 1, 1.0 J 0 BASE: U 20, 3

DATA: STDX866 #3248 SCANS 3198 TO 3298
CALI: 060688CX #2



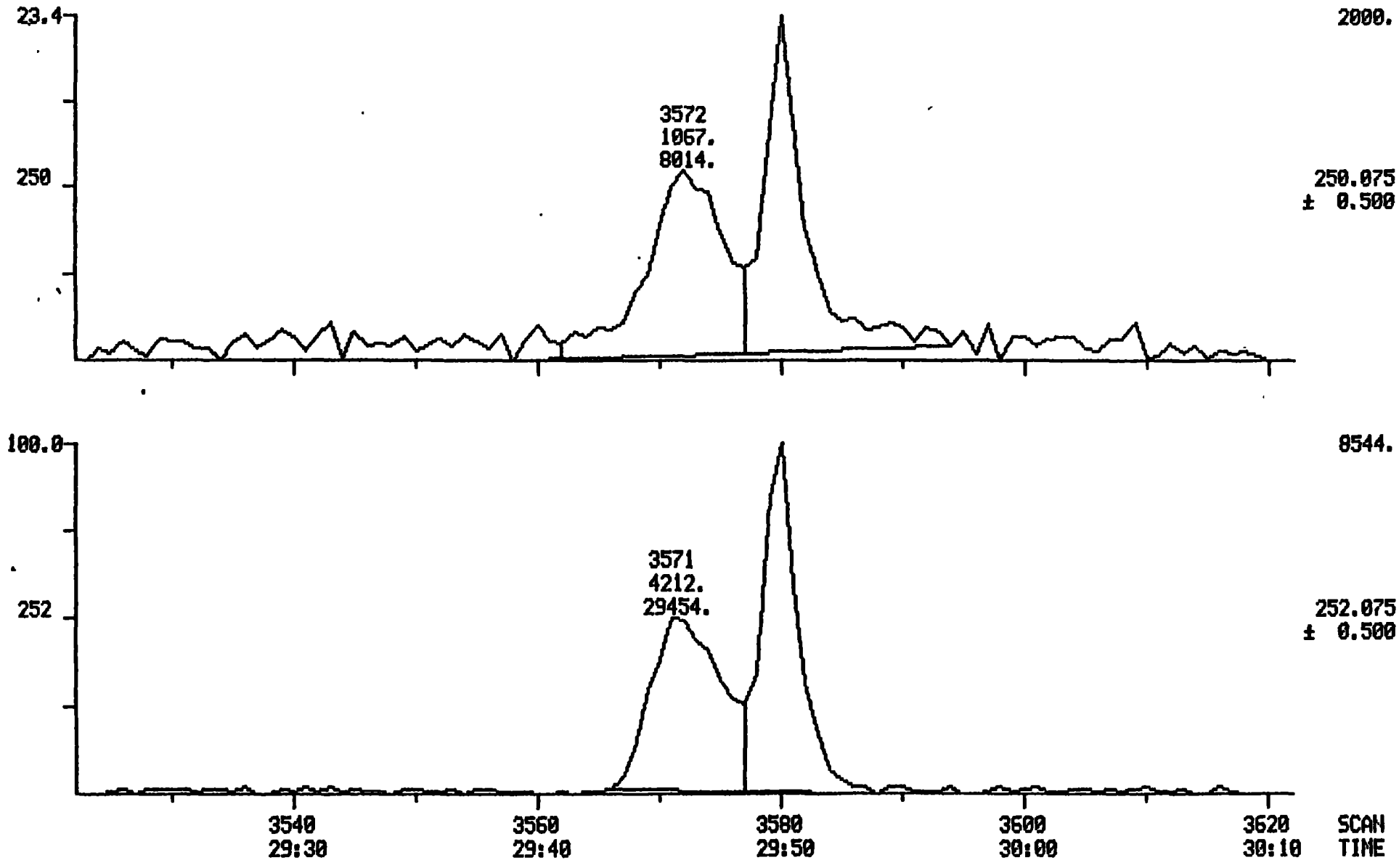
010018

MIDMASS CHROMATOGRAMS DATA: STDX866 #3261 SCANS 3211 TO 3311
06/06/88 15:30:00 CALI: 060688CX #2
SAMPLE: 80 PPB PAH STD 10-19-87 MLB
CONDS.: 2 UL AUTO INJ
CHRYSENE 228 PH# 05
RANGE: G3254,3268 LABEL: N 1, 1.0 QUAN: A 1, 1.0 J 0 BASE: U 20, 3



01019

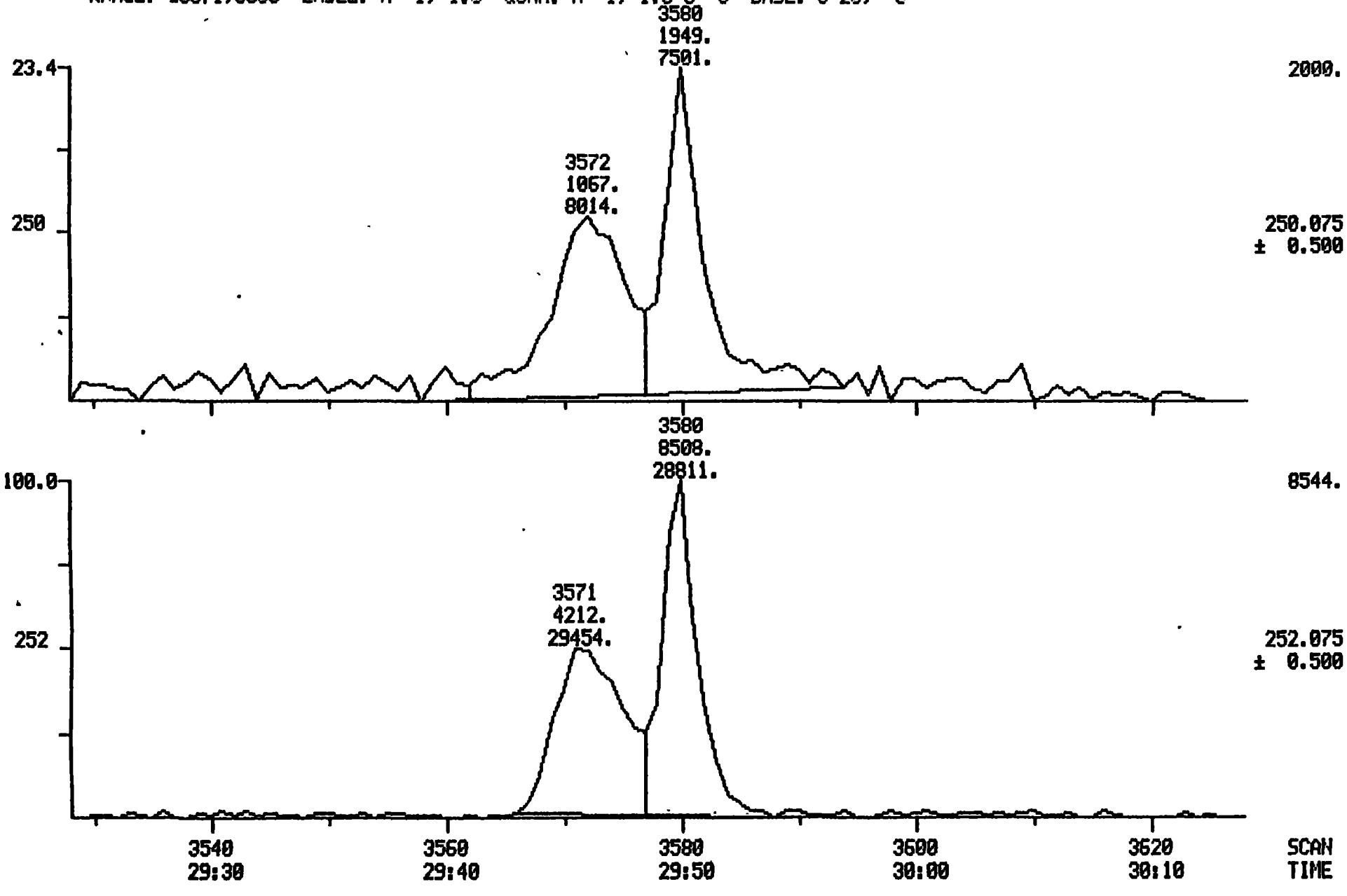
MIDMASS CHROMATOGRAMS DATA: STDX866 #3572 SCANS 3522 TO 3622
06/06/88 15:30:00 CALI: 060688CX #2
SAMPLE: 80 PPB PAH STD 10-19-87 MLB
CONDS.: 2 UL AUTO INJ
BENZO(B)FLUORANTHENE 252 PH# 07
RANGE: G3565,3579 LABEL: N 1, 1.0 QUAN: A 1, 1.0 J 0 BASE: U 20, 3



01020

MIDMASS CHROMATOGRAMS
06/06/88 15:30:00
SAMPLE: 80 PPB PAH STD 10-19-87 MLB
CONDS.: 2 UL AUTO INJ
BENZO(K)FLUORANTHENE 252 PH# 09
RANGE: G3571,3585 LABEL: N 1, 1.0 QUAN: A 1, 1.0 J 0 BASE: U 20, 3

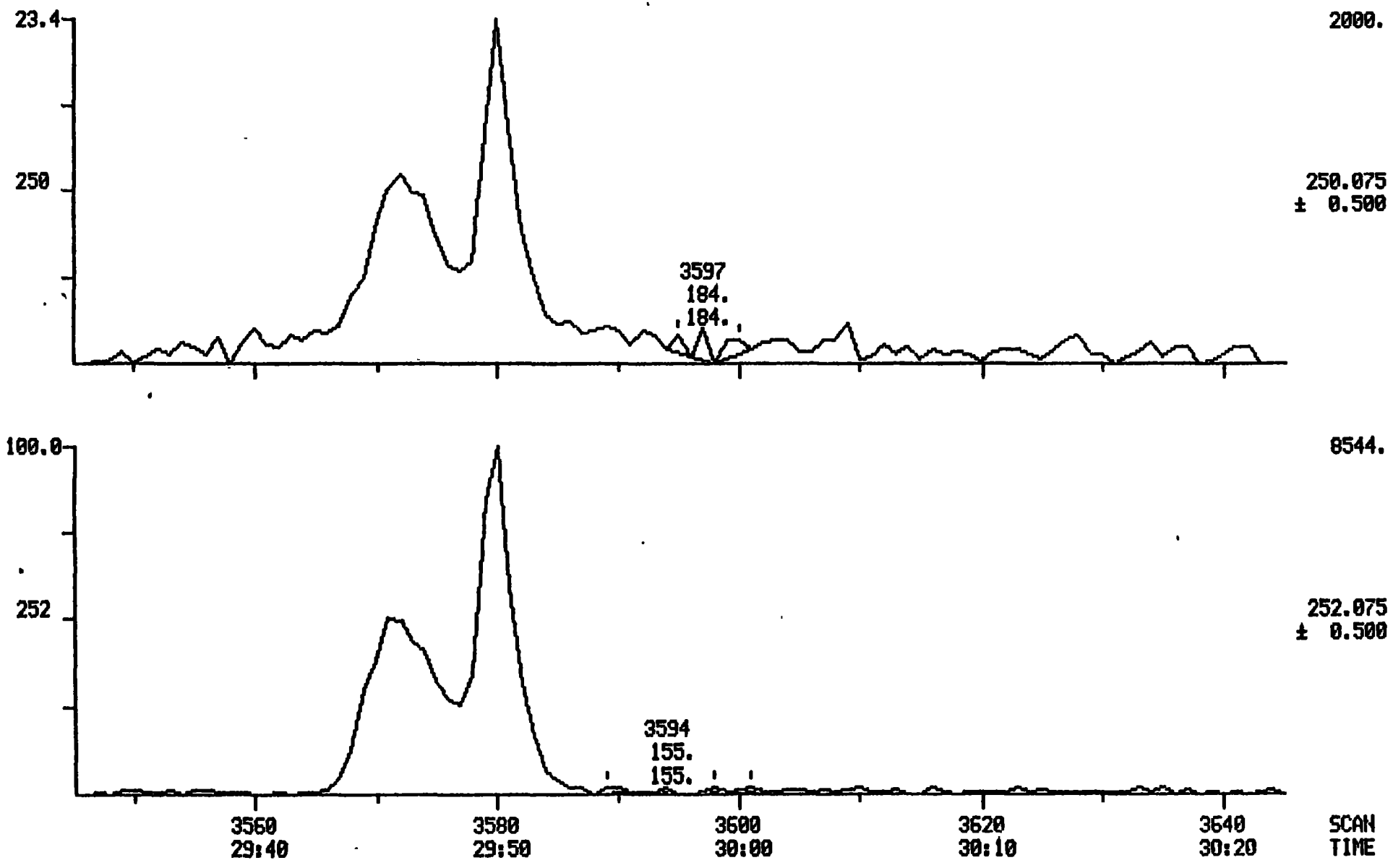
DATA: STDX866 #3578 SCANS 3528 TO 3628
CALI: 060688CX #2



01021

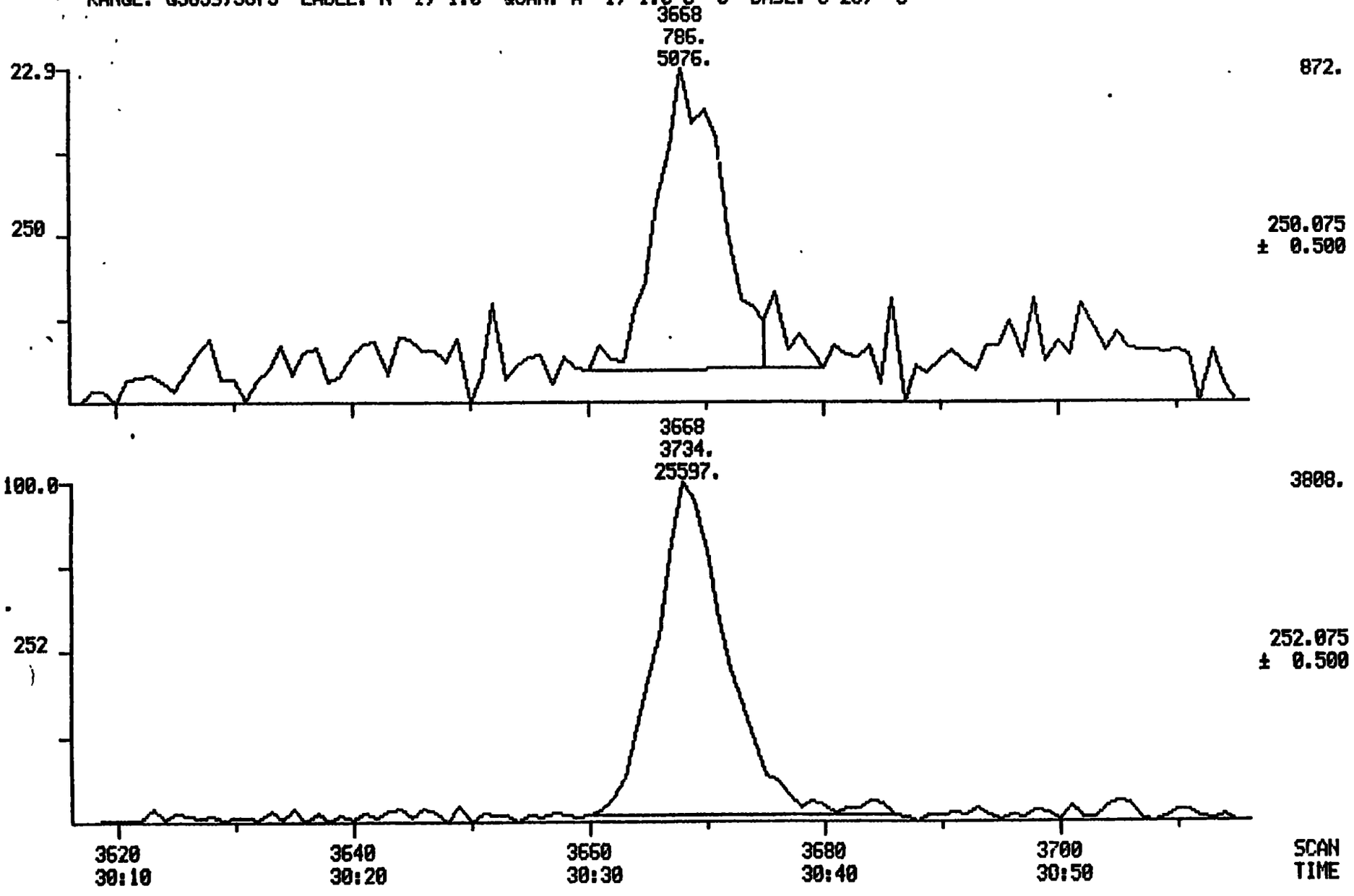
MIDMASS CHROMATOGRAMS
06/06/88 15:30:00
SAMPLE: 80 PPB PAH STD 10-19-87 MLB
CONDS.: 2 UL AUTO INJ
BENZO(J)FLUORANTHENE 252 PH# 11
RANGE: G3588,3602 LABEL: N 1, 1.0 QUAN: A 1, 1.0 J 9 BASE: U 20, 3

DATA: STDX866 #3595 SCANS 3545 TO 3645
CALI: 060688CX #2



01022

MIDMASS CHROMATOGRAMS DATA: STDX866 #3666 SCANS 3616 TO 3716
06/06/88 15:30:00 CALI: 060688CX #2
SAMPLE: 80 PPB PAH STD 10-19-87 MLB
CONDS.: 2 UL AUTO INJ
BENZO(A)PYRENE 252 PH# 13
RANGE: G3659,3673 LABEL: N 1, 1.0 QUAN: A 1, 1.0 J 0 BASE: U 20, 3



Quantitation Report File: STDX866

01023

Data: STDX866.TI
06/06/88 15:30:00
Sample: 80 PPB PAH STD 10-19-87 MLB
Conds.: 2 UL AUTO INJ
Formula: Instrument: 4500 Weight: 80.000
Submitted by: RMAL Analyst: JGG/GW Acct. No.: 59436

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

No	Name	
1	D12-BENZO(A)PYRENE	264IPH# 01
2	D12-CHRYSENE	240SPH# 02
3	BENZO(A)ANTHRACENE	228 PH# 03
4	BENZO(A)ANTHRACENE	226 PH# 04
5	CHRYSENE	228 PH# 05
6	CHRYSENE	226 PH# 06
7	BENZO(B)FLUORANTHENE	252 PH# 07
8	BENZO(B)FLUORANTHENE	250 PH# 08
9	BENZO(K)FLUORANTHENE	252 PH# 09
10	BENZO(K)FLUORANTHENE	250 PH# 10
11	BENZO(A)PYRENE	252 PH# 13
12	BENZO(A)PYRENE	250 PH# 14

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount		%Tot
1	264	3660	30:30	1	1.000	A BB	20018.	80.000	NG/ML	8.45
2	240	3250	27:05	1	0.888	A BB	32790.	82.700	NG/ML	8.73
3	228	3245	27:02	1	0.887	A BV	30129.	74.581	NG/ML	7.87
4	226	3245	27:02	1	0.887	A BV	7042.	64.055	NG/ML	6.76
5	228	3257	27:08	1	0.890	A VB	30103.	78.247	NG/ML	8.26
6	226	3257	27:08	1	0.890	A VV	8461.	74.959	NG/ML	7.91
7	252	3571	29:45	1	0.976	A BV	29454.	75.679	NG/ML	7.99
8	250	3572	29:46	1	0.976	A VV	8014.	106.716	NG/ML	11.27
9	252	3580	29:50	1	0.978	A VB	28811.	76.962	NG/ML	8.13
10	250	3580	29:50	1	0.978	A VB	7501.	93.155	NG/ML	9.83
11	252	3668	30:34	1	1.002	A BV	25597.	82.779	NG/ML	8.74
12	250	3668	30:34	1	1.002	A BV	5076.	57.360	NG/ML	6.06

No	Ret(L)	Ratio	RRT(L)	Ratio	Amnt	Amnt(L)	R.Fac	R.Fac(L)	Ratio
1	30:28	1.00	1.000	1.00	80.00	80.00	1.000	1.000	1.00
2	27:05	1.00	0.889	1.00	82.70	80.00	1.638	1.585	1.03
3	27:02	1.00	0.887	1.00	74.58	80.00	1.505	1.614	0.93
4	27:02	1.00	0.887	1.00	64.06	80.00	0.352	0.439	0.80
5	27:08	1.00	0.891	1.00	78.25	80.00	1.504	1.537	0.98
6	27:09	1.00	0.891	1.00	74.96	80.00	0.423	0.451	0.94
7	29:44	1.00	0.976	1.00	75.68	80.00	1.471	1.555	0.95
8	29:44	1.00	0.976	1.00	106.72	80.00	0.400	0.300	1.33
9	29:47	1.00	0.978	1.00	76.96	80.00	1.439	1.496	0.96
10	29:47	1.00	0.978	1.00	93.15	80.00	0.375	0.322	1.16
11	30:31	1.00	1.002	1.00	82.78	80.00	1.279	1.236	1.03
12	30:31	1.00	1.002	1.00	57.36	80.00	0.254	0.354	0.72

Quantitation Report File: STDX866

01024

Data: STDX866.TI
06/06/88 15:30:00
Sample: 80 PPB PAH STD 10-19-87 MLB
Conds.: 2 UL AUTO INJ
Formula: Instrument: 4500 Weight: 80.000
Submitted by: RMAL Analyst: JGG/GW Acct. No.: 59436

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

No	Name	
1	D12-BENZO(A)PYRENE	264IPH# 01
2	D12-CHRYSENE	240SPH# 02
3	BENZO(A)ANTHRACENE	228 PH# 03
4	BENZO(A)ANTHRACENE	226 PH# 04
5	CHRYSENE	228 PH# 05
6	CHRYSENE	226 PH# 06
7	BENZO(B)FLUORANTHENE	252 PH# 07
8	BENZO(B)FLUORANTHENE	250 PH# 08
9	BENZO(K)FLUORANTHENE	252 PH# 09
10	BENZO(K)FLUORANTHENE	250 PH# 10
11	BENZO(A)PYRENE	252 PH# 13
12	BENZO(A)PYRENE	250 PH# 14

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount		%Tot
1	264	3660	30:30	1	1.000	A BB	20018.	80.000	NG/ML	8.33
2	240	3250	27:05	1	0.888	A BB	32790.	80.000	NG/ML	8.33
3	228	3245	27:02	1	0.887	A BV	30129.	80.000	NG/ML	8.33
4	226	3245	27:02	1	0.887	A BV	7042.	80.000	NG/ML	8.33
5	228	3257	27:08	1	0.890	A VB	30103.	80.000	NG/ML	8.33
6	226	3257	27:08	1	0.890	A VV	8461.	80.000	NG/ML	8.33
7	252	3571	29:45	1	0.976	A BV	29454.	80.000	NG/ML	8.33
8	250	3572	29:46	1	0.976	A VV	8014.	80.000	NG/ML	8.33
9	252	3580	29:50	1	0.978	A VB	28811.	80.000	NG/ML	8.33
10	250	3580	29:50	1	0.978	A VB	7501.	80.000	NG/ML	8.33
11	252	3668	30:34	1	1.002	A BV	25597.	80.000	NG/ML	8.33
12	250	3668	30:34	1	1.002	A BV	5076.	80.000	NG/ML	8.33

No	Ret(L)	Ratio	RRT(L)	Ratio	Amnt	Amnt(L)	R.Fac	R.Fac(L)	Ratio
1	30:30	1.00	1.000	1.00	80.00	80.00	1.000	1.000	1.00
2	27:05	1.00	0.888	1.00	80.00	80.00	1.638	1.638	1.00
3	27:02	1.00	0.887	1.00	80.00	80.00	1.505	1.505	1.00
4	27:02	1.00	0.887	1.00	80.00	80.00	0.352	0.352	1.00
5	27:08	1.00	0.890	1.00	80.00	80.00	1.504	1.504	1.00
6	27:08	1.00	0.890	1.00	80.00	80.00	0.423	0.423	1.00
7	29:45	1.00	0.976	1.00	80.00	80.00	1.471	1.471	1.00
8	29:46	1.00	0.976	1.00	80.00	80.00	0.400	0.400	1.00
9	29:50	1.00	0.978	1.00	80.00	80.00	1.439	1.439	1.00
10	29:50	1.00	0.978	1.00	80.00	80.00	0.375	0.375	1.00
11	30:34	1.00	1.002	1.00	80.00	80.00	1.279	1.279	1.00
12	30:34	1.00	1.002	1.00	80.00	80.00	0.254	0.254	1.00

RMAL-GC/MS REILLY TAR & CHEMICAL CO. PROJECT PROCESSING PROGRAM
DATAFILE:2:STDX880. STARTED : 6/07/88 10:25:15

6/7/88 9:51:48 SCAN 1 OF 3900 01025
Acquisition started

Acquire Run 2:STDX880 ACQUIRING
06/07/88 9:51:00 + 0:03 Free sectors: 7621 Scan: 7 of 3900
Sample: 80 PPB PAH STD. 10-19-88 MLB
Conds.: 2 UL AUTO INJ
Formula: Instrument: 4500 Weight: 80.000
Submitted by: RMAL Analyst: JGG/GW Acct. No:

********** GC PARAMETERS **********
Loaded GC Desc:PA Current GC oven tmp: 29 DegC Injector : 265 DegC
Current GC Desc:PA GC elapsed time : 0: 3 min Int.oven : 300 DegC

Seq.#	Temp(C)	Rate(C/m)	Time(min)	Total time(min)		Open	Close
1	30 - 30	-	1.0	1.0	Sweep/Split	0.5	0.0
2	30 - 325	10.0	29.5	30.5	Divert	45.5	0.0
3	325 - 325	-	15.0	45.5			
4	325 - 325	-	0.0	45.5			

********** SCAN PARAMETERS **********
***** Mode: Centroid positive ion + R1 (Temp)

MID scan Desc: P1 Mass intervals: 3
Scan time: 0.500 s Samp. int.: 0.200 ms Master rate: 1024

Int #	Lo mass	Hi mass	Time	MPW	MFW	MA	TH	BL	ION
1	225.500	226.500	0.105	1	100	0	1	1	Pos
2	227.500	228.500	0.105	1	100	0	1	1	Pos
3	239.500	240.500	0.103	1	100	0	1	1	Pos

Interface number	0	
Sub-interface number	0	
# of acqu buffers	16	
Instrument type	Q	
Full scale mass	1024	u
Zero scale mass	1	u
Intensity/ion	2	
Peak Width	1000.	mmu
Offset at low mass	0	mmu
Offset at high mass	0	mmu
Voltage settling time(MS)	4	

6/7/88 10:20:11 SCAN 3407 OF 3900

MID scan Desc: P2 Mass intervals: 3
Scan time: 0.500 s Samp. Int.: 0.200 ms Master rate: 1024

Int #	Lo mass	Hi mass	Time	MPW	MFW	MA	TH	BL	ION
1	249.575	250.575	0.105	1	100	0	1	1	Pos
2	251.575	252.575	0.105	1	100	0	1	1	Pos
3	263.579	264.579	0.105	1	100	0	1	1	Pos

6/7/88 10:24:21
ACQUISITION COMPLETED
SCANS 1 TO 3406 Centroid
SCAN 3407 Suspended
SCANS 3408 TO 3900 Centroid

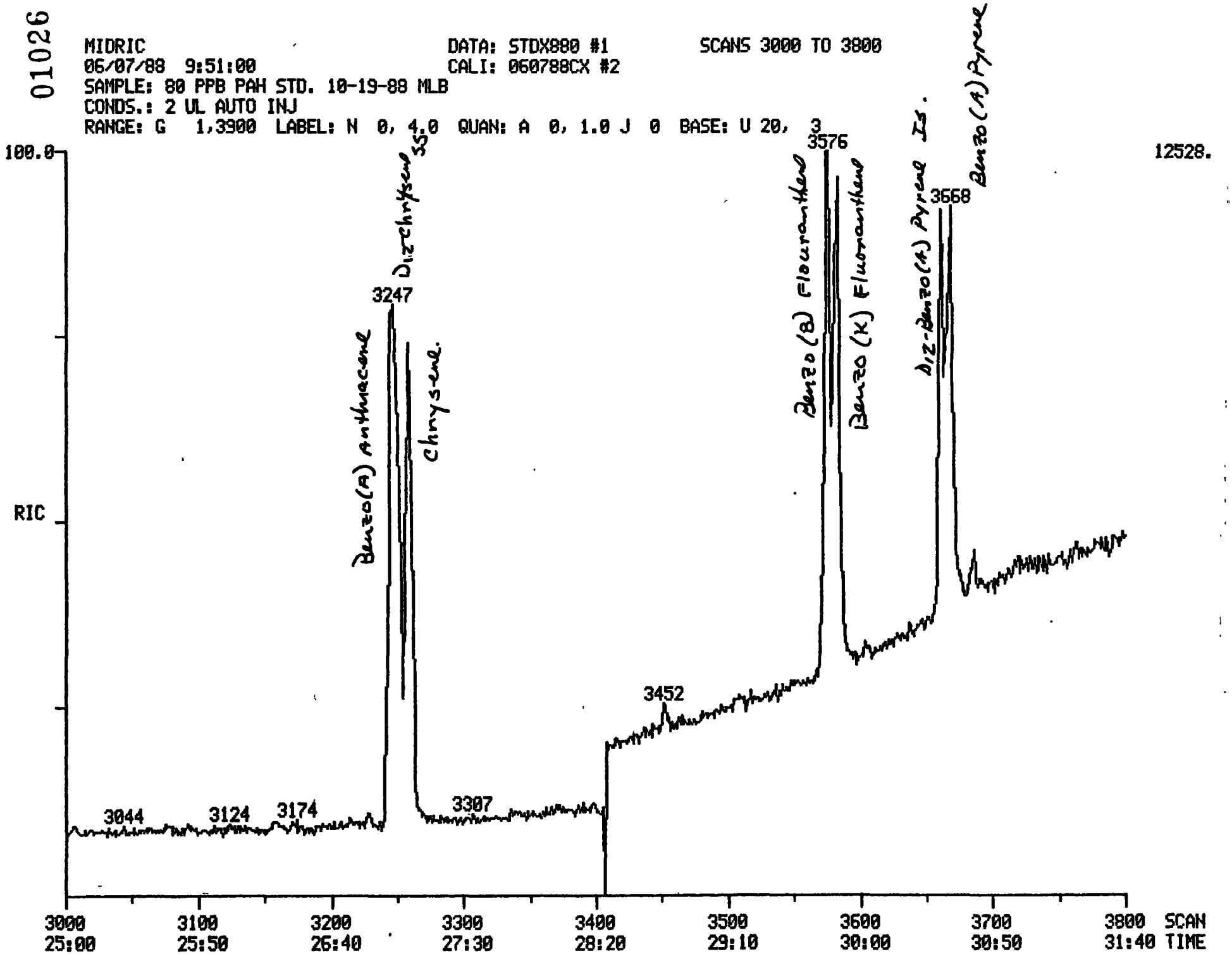
Mode Scans Secs Out of % Peaks per scan per sec

01026

MIDRIC
06/07/88 9:51:00
SAMPLE: 80 PPB PAH STD. 10-19-88 MLB
CONDS.: 2 UL AUTO INJ
RANGE: G 1,3900 LABEL: N 0, 4.0 QUAN: A 0, 1.0 J 0 BASE: U 20, 3

DATA: STDX880 #1
CALI: 060788CX #2

SCANS 3000 TO 3800



Centroid 99 . 1949. 1 2.

RMAL-GC/MS REILLY TAR & CHEMICAL CO. PROJECT PROCESSING PROGRAM
DATAFILE: D:STDX880.TI STARTED : 6/07/88 10:27:38

01027

6/7/88 9:51:48 SCAN 1 OF 3900
Acquisition started

Acquire Run 2:STDX880 ACQUIRING
06/07/88 9:51:00 + 0:03 Free sectors: 7621 Scan: 7 of 3900
Sample: 80 PPB PAH STD. 10-19-88 MLB
Conds.: 2 UL AUTO INJ
Formula: Instrument: 4500 Weight: 80.000
Submitted by: RMAL Analyst: JGG/GW Acct. No:

********** GC PARAMETERS **********
Loaded GC Desc:PA Current GC oven tmp: 29 DegC Injector : 265 DegC
Current GC Desc:PA GC elapsed time : 0: 3 min Int.oven : 300 DegC

Seq.#	Temp(C)	Rate(C/m)	Time(min)	Total time(min)		Open	Close
1	30 - 30	-	1.0	1.0	Sweep/Split	0.5	0.0
2	30 - 325	10.0	29.5	30.5	Divert	45.5	0.0
3	325 - 325	-	15.0	45.5			
4	325 - 325	-	0.0	45.5			

********** SCAN PARAMETERS **********
***** Mode: Centroid positive ion + R1 (Temp)

MID scan Desc: P1 Mass intervals: 3
Scan time: 0.500 s Samp. int.: 0.200 ms Master rate: 1024

Int #	Lo mass	Hi mass	Time	MPW	MFW	MA	TH	BL	ION
1	225.500	226.500	0.105	1	100	0	1	1	Pos
2	227.500	228.500	0.105	1	100	0	1	1	Pos
3	239.500	240.500	0.103	1	100	0	1	1	Pos

Interface number	0	
Sub-interface number	0	
# of acqu buffers	16	
Instrument type	Q	
Full scale mass	1024	u
Zero scale mass	1	u
Intensity/ion	2	
Peak Width	1000.	mmu
Offset at low mass	0	mmu
Offset at high mass	0	mmu
Voltage settling time(MS)	4	

6/7/88 10:20:11 SCAN 3407 OF 3900

MID scan Desc: P2 Mass intervals: 3
Scan time: 0.500 s Samp. Int.: 0.200 ms Master rate: 1024

Int #	Lo mass	Hi mass	Time	MPW	MFW	MA	TH	BL	ION
1	249.575	250.575	0.105	1	100	0	1	1	Pos
2	251.575	252.575	0.105	1	100	0	1	1	Pos
3	263.579	264.579	0.105	1	100	0	1	1	Pos

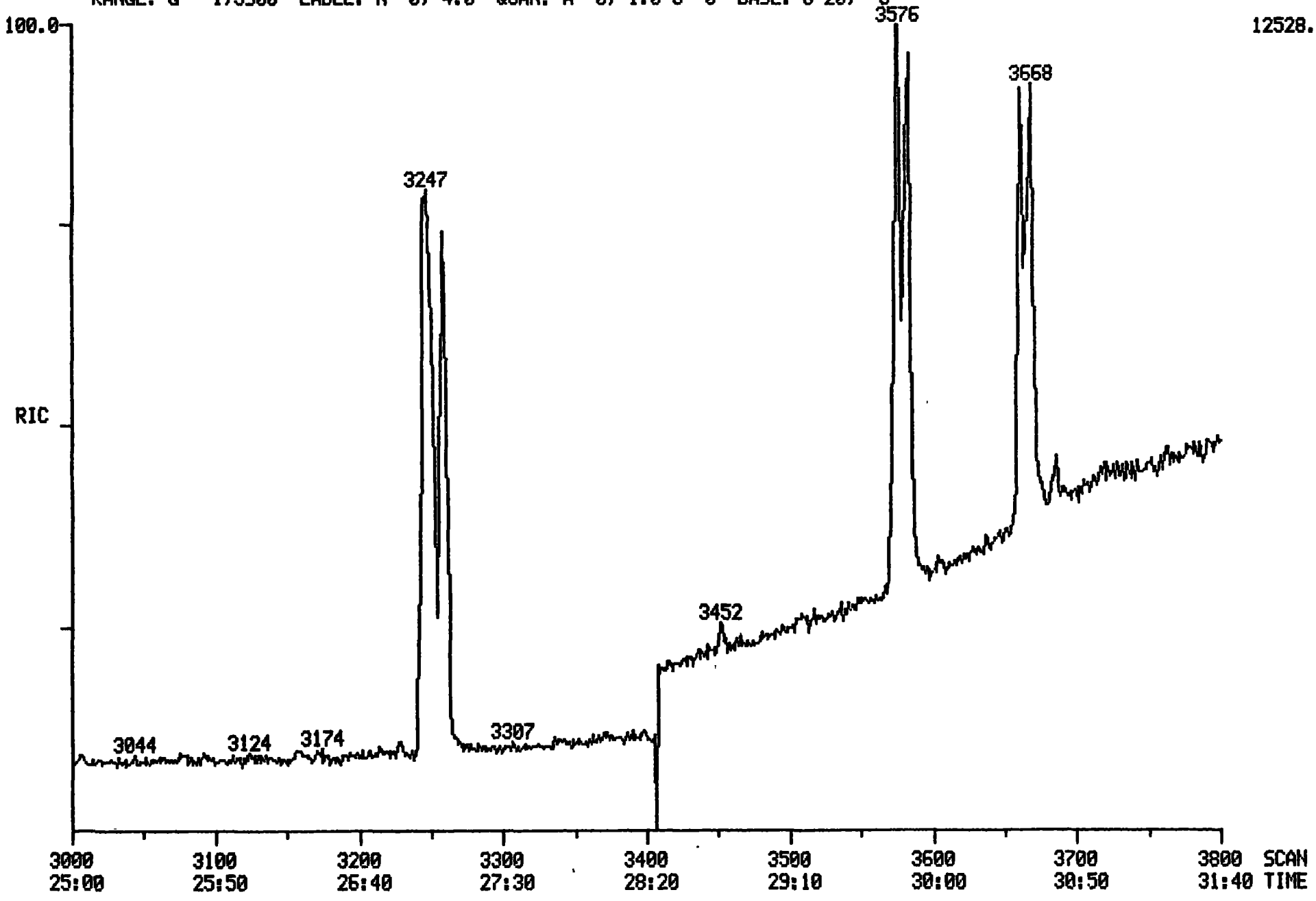
6/7/88 10:24:21
ACQUISITION COMPLETED
SCANS 1 TO 3406 Centroid
SCAN 3407 Suspended
SCANS 3408 TO 3900 Centroid

% Peaks per scan per sec

01028

MIDRIC
06/07/88 9:51:00
SAMPLE: 80 PPB PAH STD. 10-19-88 MLB
CONDS.: 2 UL AUTO INJ
RANGE: G 1,3900 LABEL: N 0, 4.0 QUAN: A 0, 1.0 J 0 BASE: U 20, 3

DATA: STDX880 #3660 SCANS 3000 TO 3800
CALI: 060788CX #2



Centroid 3899 219.8 1949.5 11.3 15072. 4. 8.

Quantitation Report File: STDX880

C1029

Data: STDX880.TI
06/07/88 9:51:00
Sample: 80 PPB PAH STD. 10-19-88 MLB
Conds.: 2 UL AUTO INJ
Formula: Instrument: 4500 Weight: 80.000
Submitted by: RMAL Analyst: JGG/GW Acct. No.:

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

No	Name		
1	D12-BENZO(A)PYRENE	264	IPH# 01
2	D12-CHRYSENE	240	SPH# 02
3	BENZO(A)ANTHRACENE	228	PH# 03
4	BENZO(A)ANTHRACENE	226	PH# 04
5	CHRYSENE	228	PH# 05
6	CHRYSENE	226	PH# 06
7	BENZO(B)FLUORANTHENE	252	PH# 07
8	BENZO(B)FLUORANTHENE	250	PH# 08
9	BENZO(K)FLUORANTHENE	252	PH# 09
10	BENZO(K)FLUORANTHENE	250	PH# 10
11	BENZO(J)FLUORANTHENE	252	PH# 11
12	BENZO(J)FLUORANTHENE	250	PH# 12
13	BENZO(J)FLUORANTHENE	250	PH# 12
14	BENZO(A)PYRENE	252	PH# 13
15	BENZO(A)PYRENE	250	PH# 14

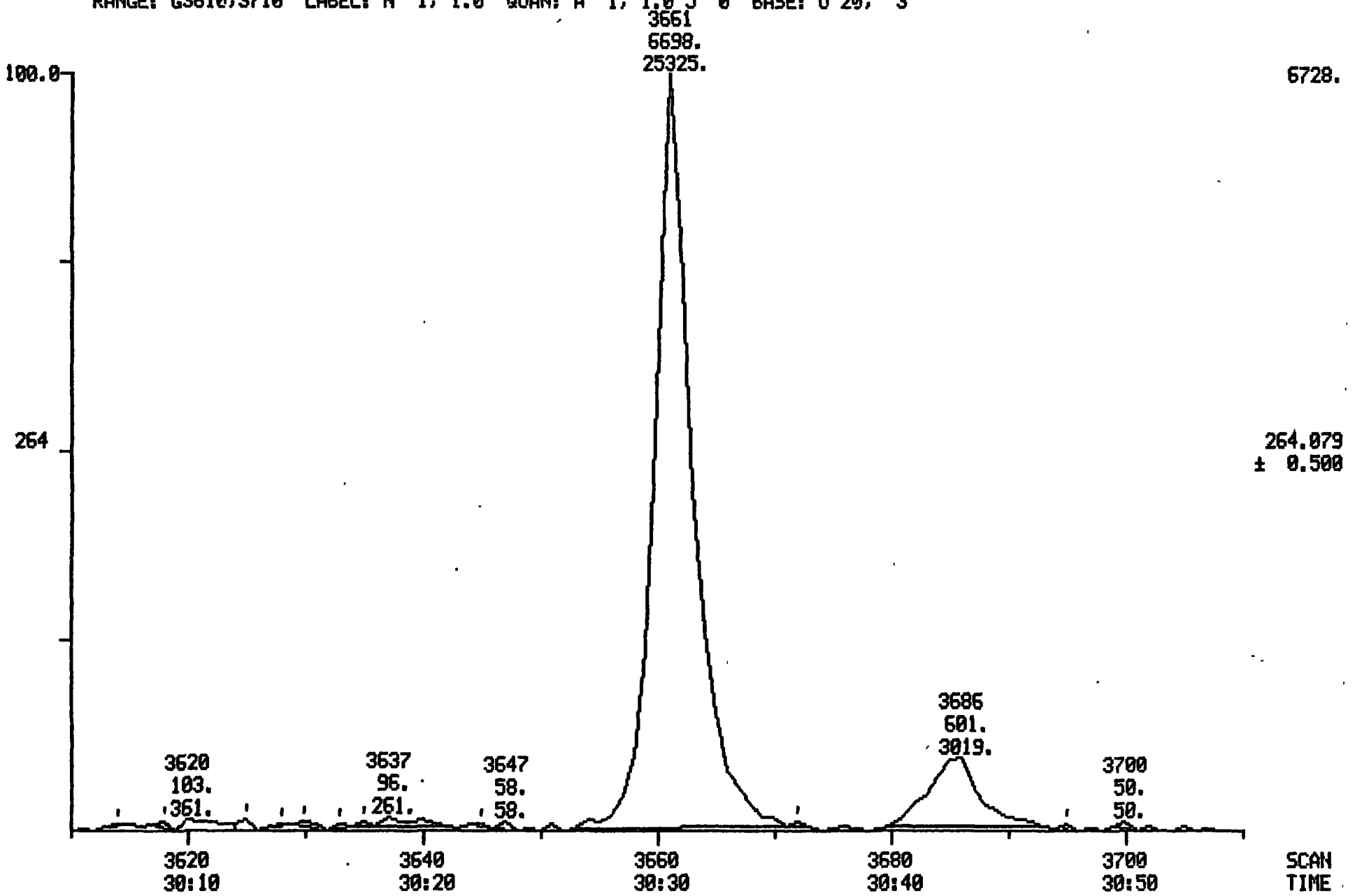
No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount		%Tot
1	264	3661	30:30	1	1.000	A BB	25325.	80.000	NG/ML	8.73
2	240	3251	27:05	1	0.888	A BV	35225.	67.931	NG/ML	7.41
3	228	3245	27:02	1	0.886	A BV	35037.	73.534	NG/ML	8.02
4	226	3246	27:03	1	0.887	A BV	8497.	76.306	NG/ML	8.32
5	228	3259	27:09	1	0.890	A VB	34542.	72.558	NG/ML	7.92
6	226	3259	27:09	1	0.890	A VB	9012.	67.349	NG/ML	7.35
7	252	3575	29:47	1	0.977	A BV	40271.	86.457	NG/ML	9.43
8	250	3576	29:48	1	0.977	A BV	8109.	63.981	NG/ML	6.98
~~9~~	252	3575	29:47	1	0.977	A BV	40271.	88.386	NG/ML	9.64
~~10~~	250	3576	29:48	1	0.977	A BV	8109.	68.353	NG/ML	7.46
~~11~~	252	3597	29:58	1	0.983	A BB	156.	0.329	NG/ML	0.04
~~12~~	250	3589	29:54	1	0.980	A BB	77.	0.736	NG/ML	0.08
~~13~~	250	3591	29:55	1	0.981	A BB	73.	0.698	NG/ML	0.08
14	252	3668	30:34	1	1.002	A BB	33721.	83.304	NG/ML	9.09
15	250	3669	30:34	1	1.002	A BB	6960.	86.704	NG/ML	9.46

No	Ret(L)	Ratio	RRT(L)	Ratio	Amnt	Amnt(L)	R.Fac	R.Fac(L)	Ratio
1	30:30	1.00	1.000	1.00	80.00	80.00	1.000	1.000	1.00
2	27:05	1.00	0.888	1.00	67.93	80.00	1.391	1.638	0.85
3	27:02	1.00	0.887	1.00	73.53	80.00	1.383	1.505	0.92
4	27:02	1.00	0.887	1.00	76.31	80.00	0.336	0.352	0.95
5	27:08	1.00	0.890	1.00	72.56	80.00	1.364	1.504	0.91
6	27:08	1.00	0.890	1.00	67.35	80.00	0.356	0.423	0.84
7	29:45	1.00	0.976	1.00	86.46	80.00	1.590	1.471	1.08
8	29:46	1.00	0.976	1.00	63.98	80.00	0.320	0.400	0.80
9	29:50	1.00	0.978	1.00	88.39	80.00	1.590	1.439	1.10

No	Ret(L)	Ratio	RRT(L)	Ratio	Amnt	Amnt(L)	R. Fac	R. Fac(L)	Ratio
10	29:50	1.00	0.978	1.00	68.35	80.00	0.320	0.375	0.85
11	29:41	1.01	0.982	1.00	0.33	80.00	0.006	1.496	0.00
12	29:41	1.01	0.982	1.00	0.74	80.00	0.003	0.330	0.01
13	29:41	1.01	0.982	1.00	0.70	80.00	0.003	0.330	0.01
14	30:34	1.00	1.002	1.00	83.30	80.00	1.332	1.279	1.04
15	30:34	1.00	1.002	1.00	86.70	80.00	0.275	0.254	1.08

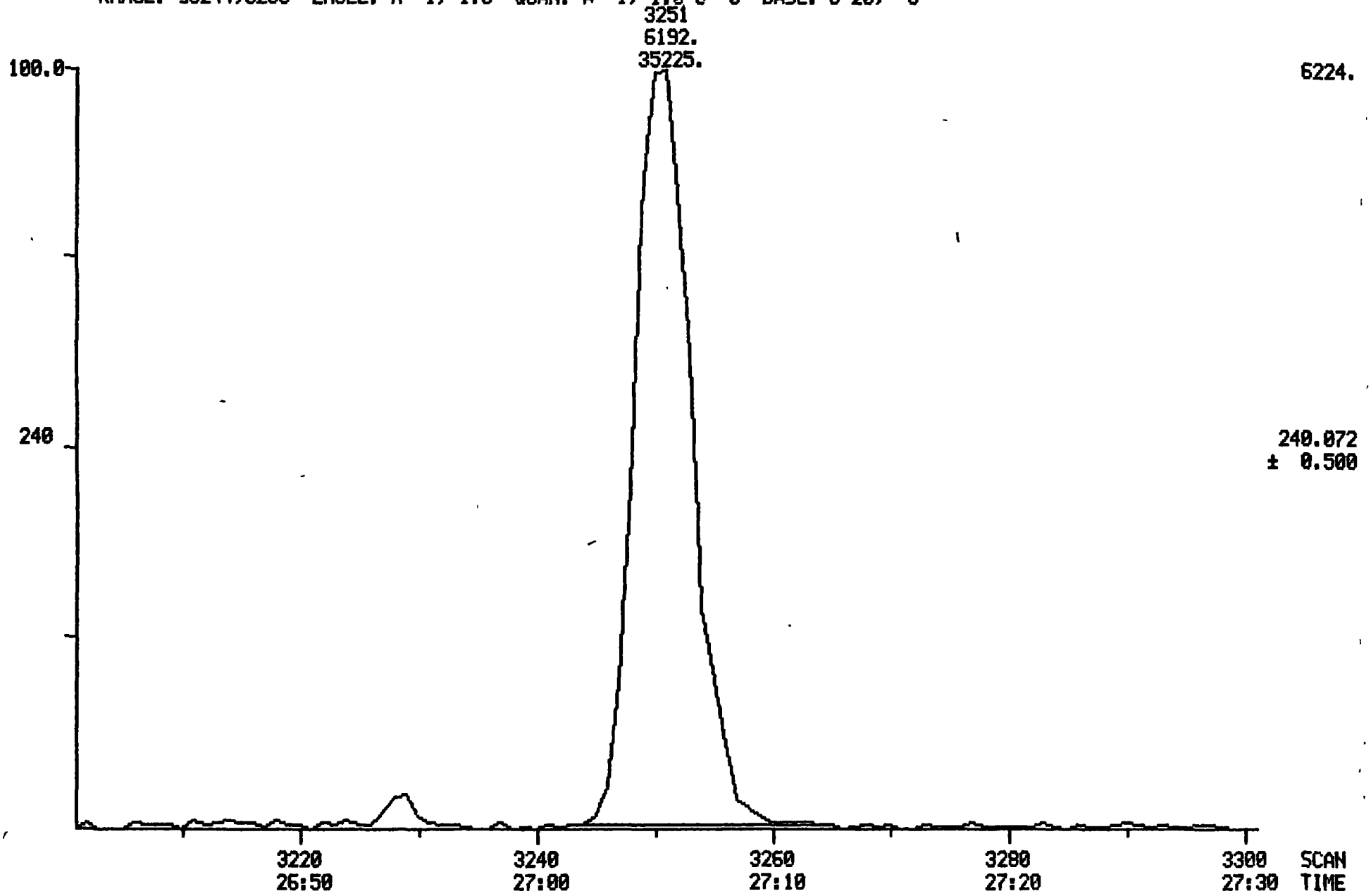
01031

MIDMASS CHROMATOGRAM DATA: STDX880 #3660 SCANS 3610 TO 3710
06/07/88 9:51:00 CALI: 060788CX #2
SAMPLE: 80 PPB PAH STD. 10-19-88 MLB
CONDS.: 2 UL AUTO INJ
D12-BENZO(A)PYRENE 264IPH# 01
RANGE: G3610,3710 LABEL: N 1, 1.0 QUAN: A 1, 1.0 J 0 BASE: U 20, 3



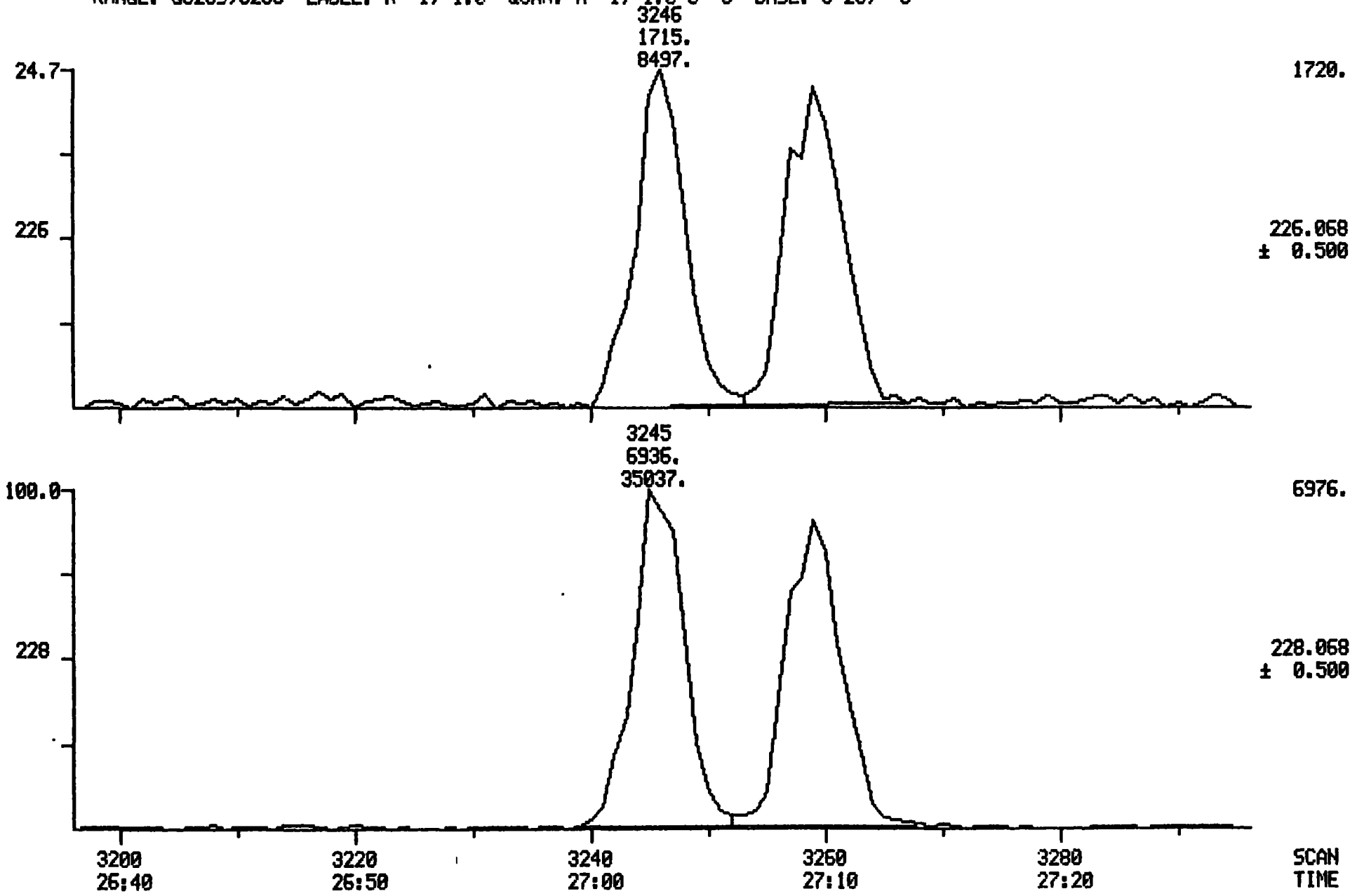
01032

MIDMASS CHROMATOGRAM DATA: STDX880 #3251 SCANS 3201 TO 3301
06/07/88 9:51:00 CALI: 060788CX #2
SAMPLE: 80 PPB PAH STD. 10-19-88 MLB
CONDS.: 2 UL AUTO INJ
D12-CHRYSENE 240SPH# 02
RANGE: G3244,3258 LABEL: N 1, 1.0 QUAN: A 1, 1.0 J 0 BASE: U 20, 3



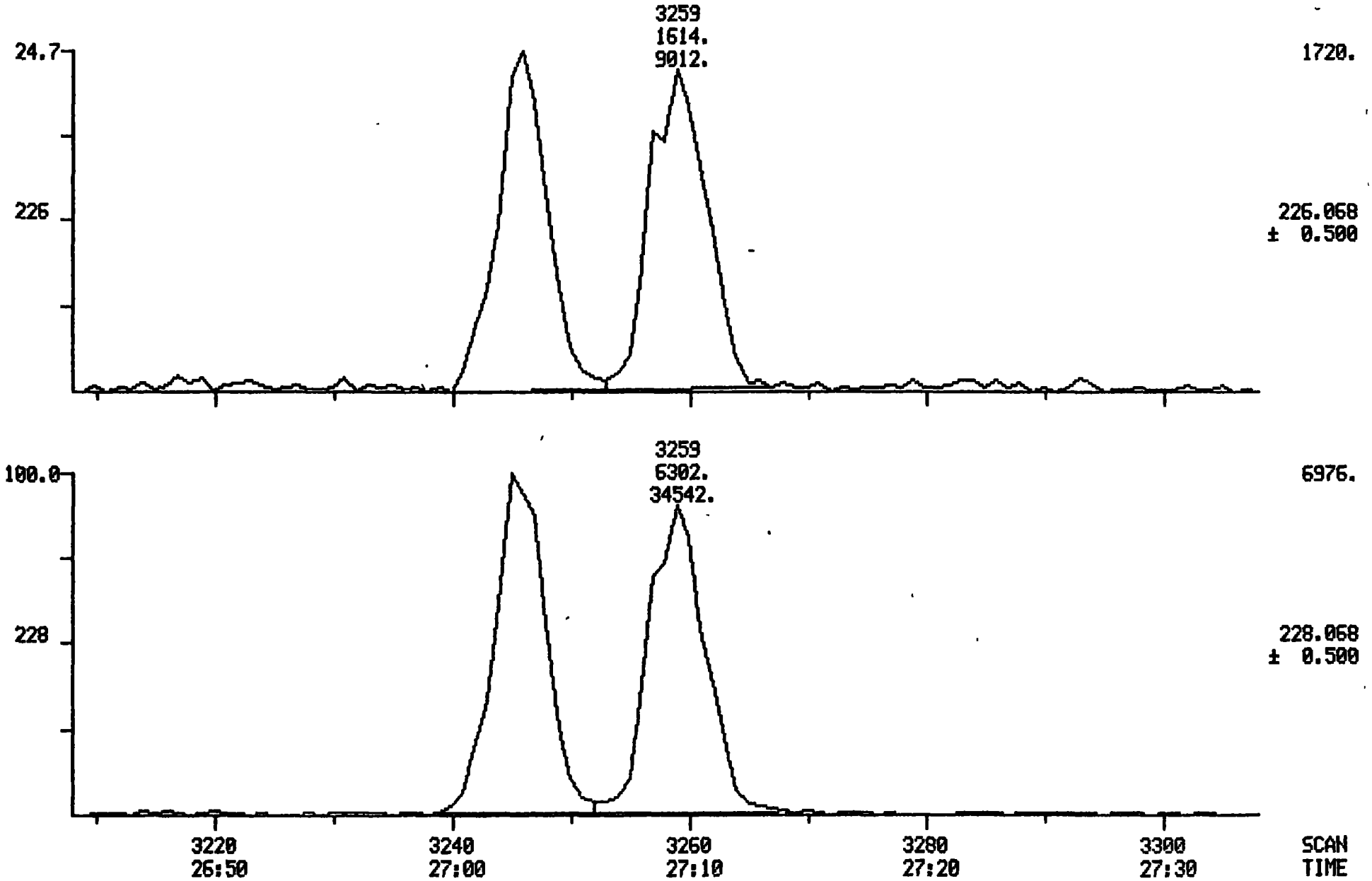
01033

MIDMASS CHROMATOGRAMS DATA: STDX880 #3246 SCANS 3196 TO 3296
06/07/88 9:51:00 CALI: 060788CX #2
SAMPLE: 80 PPB PAH STD. 10-19-88 MLB
CONDS.: 2 UL AUTO INJ
BENZO(A)ANTHRACENE 228 PH# 03
RANGE: G3239,3253 LABEL: N 1, 1.0 QUAN: A 1, 1.0 J 0 BASE: U 20, 3



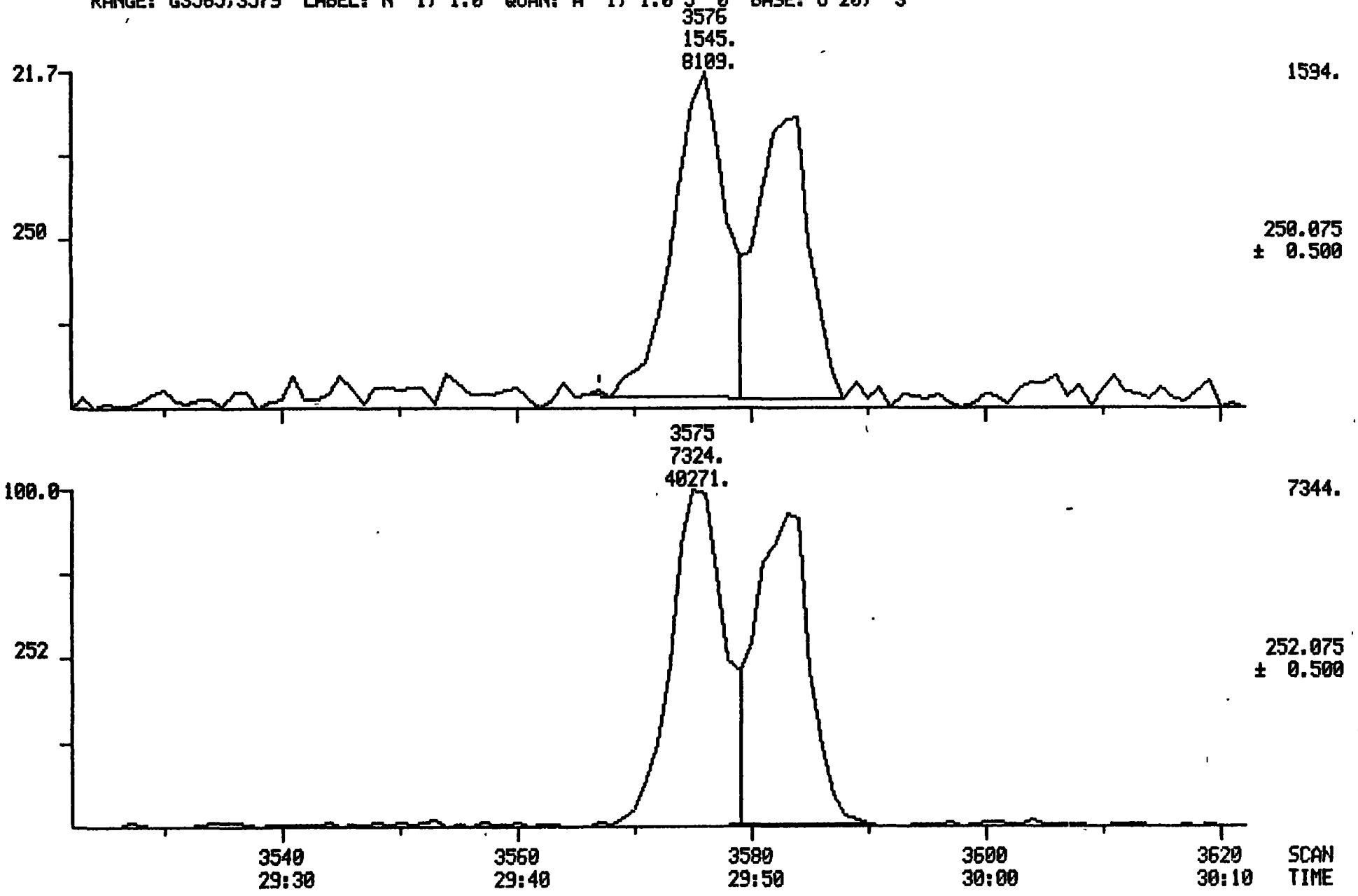
01034

MIDMASS CHROMATOGRAMS DATA: STDX880 #3258 SCANS 3208 TO 3308
06/07/88 9:51:00 CALI: 060788CX #2
SAMPLE: 80 PPB PAH STD. 10-19-88 MLB
CONDS.: 2 UL AUTO INJ
CHRYSENE 228 PH# 05
RANGE: G3251,3255 LABEL: N 1, 1.0 QUAN: A 1, 1.0 J 0 BASE: U 20, 3



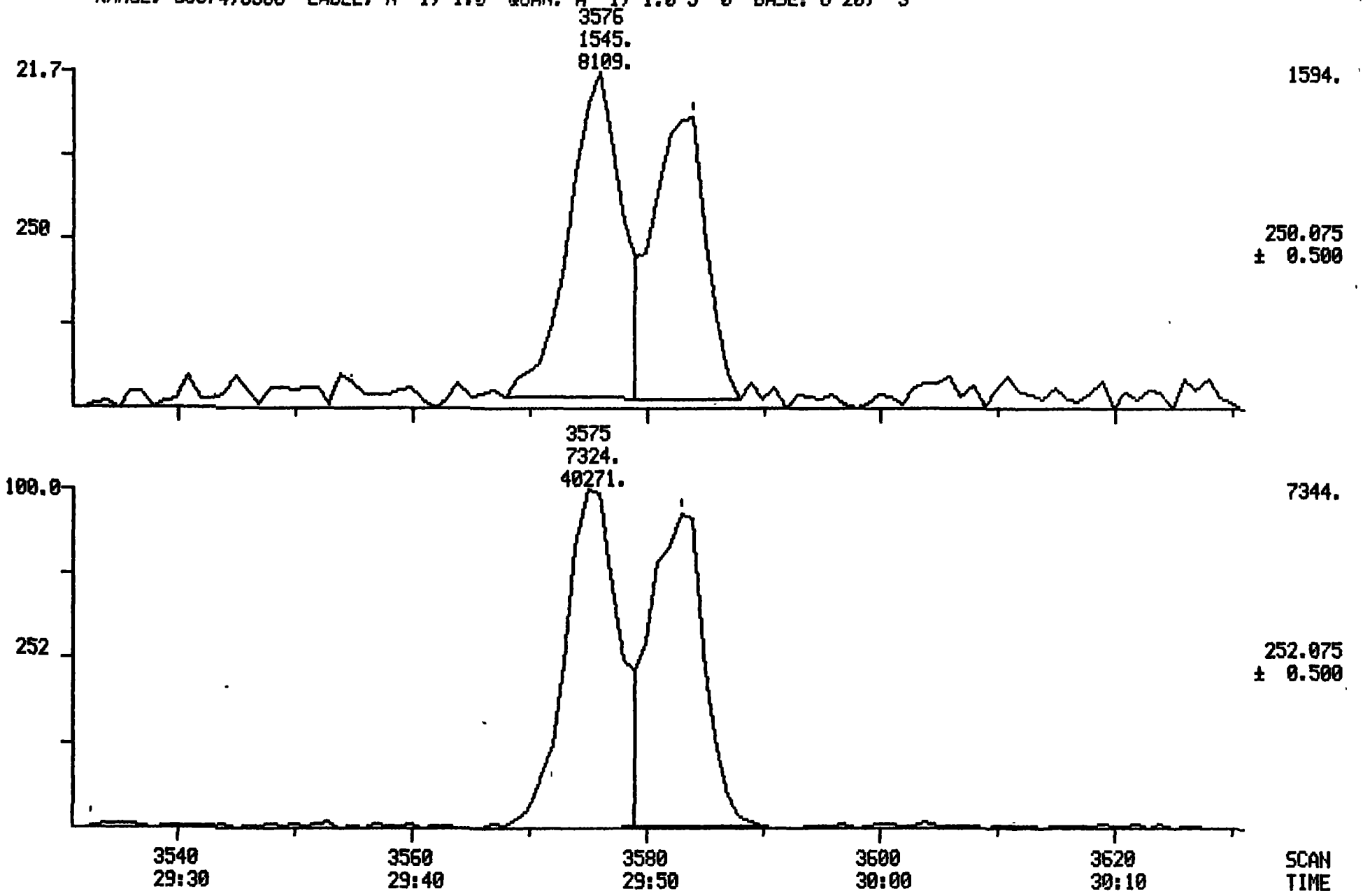
01035

MIDMASS CHROMATOGRAMS DATA: STDX880 #3572 SCANS 3522 TO 3622
06/07/88 9:51:00 CALI: 060788CX #2
SAMPLE: 80 PPB PAH STD. 10-19-88 MLB
CONDS.: 2 UL AUTO INJ
BENZO(B)FLUORANTHENE 252 PH# 07
RANGE: G3565,3579 LABEL: N 1, 1.0 QUAN: A 1, 1.0 J 0 BASE: U 20, 3



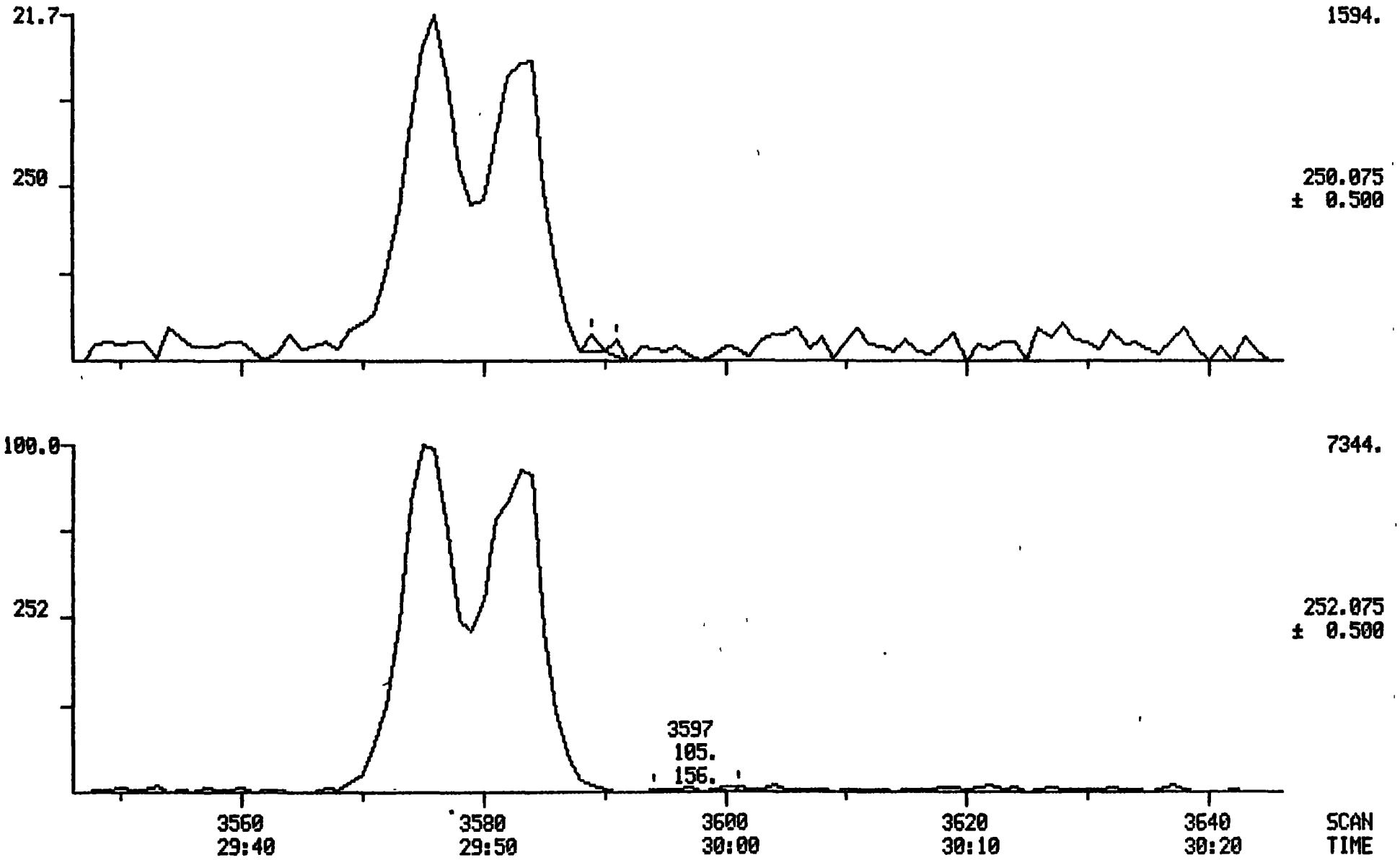
01036

MIDMASS CHROMATOGRAMS DATA: STDX880 #3581 SCANS 3531 TO 3631
06/07/88 9:51:00 CALI: 060788CX #2
SAMPLE: 80 PPB PAH STD. 10-19-88 MLB
CONDS.: 2 UL AUTO INJ
BENZO(K)FLUORANTHENE 252 PH# 09
RANGE: G3574,3588 LABEL: N 1, 1.0 QUAN: A 1, 1.0 J 0 BASE: U 20, 3



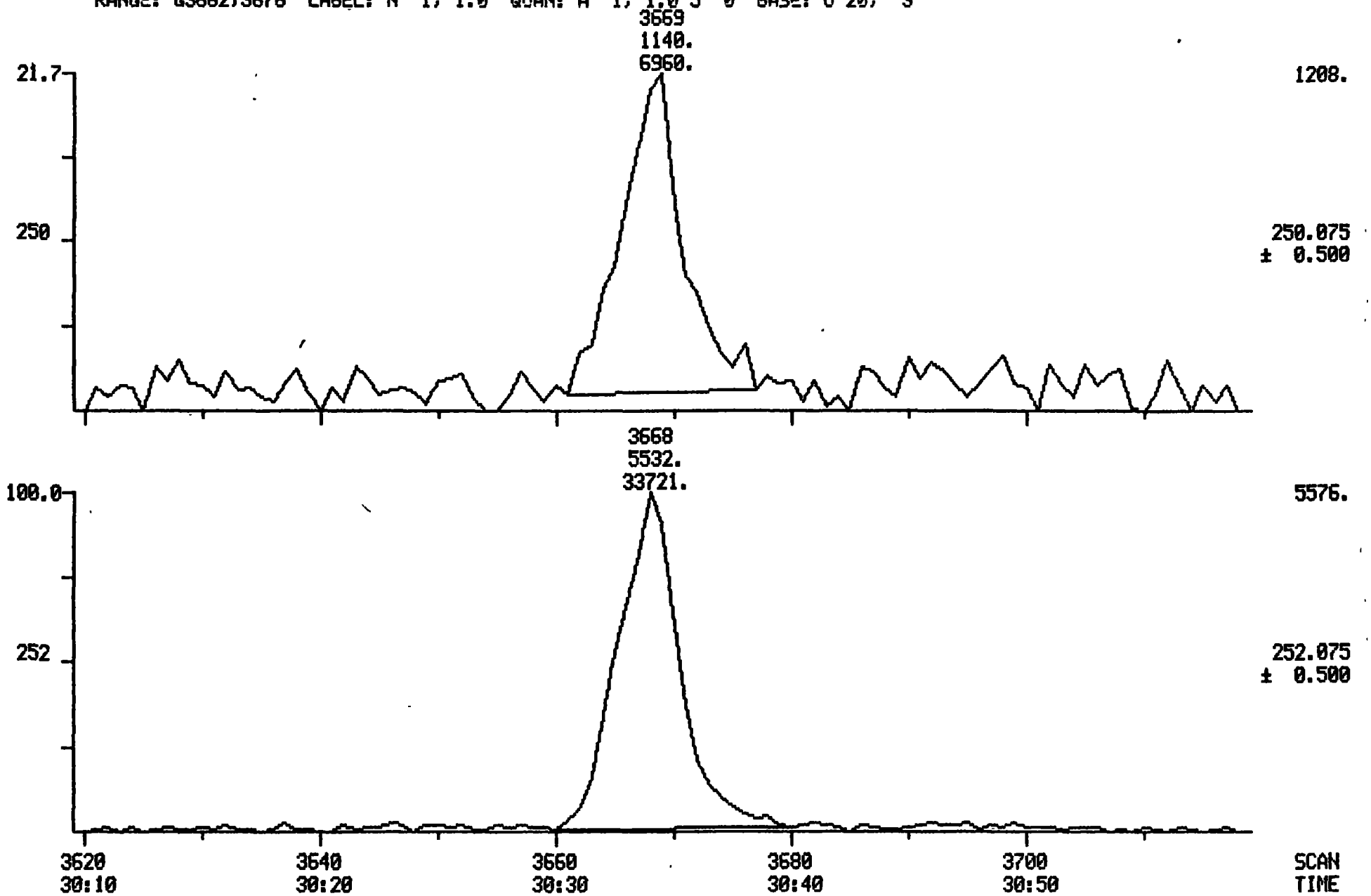
C1037

MIDMASS CHROMATOGRAMS DATA: STDX880 #3596 SCANS 3546 TO 3646
06/07/88 9:51:00 CALI: 060788CX #2
SAMPLE: 80 PPB PAH STD. 10-19-88 MLB
CONDS.: 2 UL AUTO INJ
BENZO(J)FLUORANTHENE 252 PH# 11
RANGE: G3589,3603 LABEL: N 1, 1.0 QUAN: A 1, 1.0 J 0 BASE: U 20, 3



01038

MIDMASS CHROMATOGRAMS DATA: STDX880 #3669 SCANS 3619 TO 3719
06/07/88 9:51:00 CALI: 060788CX #2
SAMPLE: 80 PPB PAH STD. 10-19-88 MLB
CONDS.: 2 UL AUTO INJ
BENZO(A)PYRENE 252 PH# 13
RANGE: G3662,3676 LABEL: N 1, 1.0 QUAN: A 1, 1.0 J 0 BASE: U 20, 3



Quantitation Report File: STDX880

Data: STDX880.TI
06/07/88 9:51:00
Sample: 80 PPB PAH STD. 10-19-88 MLB
Conds.: 2 UL AUTO INJ
Formula: Instrument: 4500 Weight: 80.000
Submitted by: RMAL Analyst: JGG/GW Acct. No.:

01039

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

No	Name	
1	D12-BENZO(A)PYRENE	264IPH# 01
2	D12-CHRYSENE	240SPH# 02
3	BENZO(A)ANTHRACENE	228 PH# 03
4	BENZO(A)ANTHRACENE	226 PH# 04
5	CHRYSENE	228 PH# 05
6	CHRYSENE	226 PH# 06
7	BENZO(B)FLUORANTHENE	252 PH# 07
8	BENZO(B)FLUORANTHENE	250 PH# 08
9	BENZO(K)FLUORANTHENE	252 PH# 09
10	BENZO(K)FLUORANTHENE	250 PH# 10
11	BENZO(A)PYRENE	252 PH# 13
12	BENZO(A)PYRENE	250 PH# 14

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount		%Tot
1	264	3661	30:30	1	1.000	A BB	25325.	80.000	NG/ML	8.96
2	240	3251	27:05	1	0.888	A BV	35225.	67.931	NG/ML	7.61
3	228	3245	27:02	1	0.886	A BV	35037.	73.534	NG/ML	8.24
4	226	3246	27:03	1	0.887	A BV	8497.	76.306	NG/ML	8.55
5	228	3259	27:09	1	0.890	A VB	34542.	72.558	NG/ML	8.13
6	226	3259	27:09	1	0.890	A VB	9012.	67.349	NG/ML	7.54
7	252	3575	29:47	1	0.977	A BV	40271.	86.457	NG/ML	9.68
8	250	3576	29:48	1	0.977	A BV	8109.	63.981	NG/ML	7.17
9	252	3583	29:51	1	0.979	A VB	35237.	77.338	NG/ML	8.66
10	250	3584	29:52	1	0.979	A VB	6806.	57.376	NG/ML	6.43
11	252	3668	30:34	1	1.002	A BB	33721.	83.304	NG/ML	9.33
12	250	3669	30:34	1	1.002	A BB	6960.	86.704	NG/ML	9.71

No	Ret(L)	Ratio	RRT(L)	Ratio	Amnt	Amnt(L)	R.Fac	R.Fac(L)	Ratio
1	30:30	1.00	1.000	1.00	80.00	80.00	1.000	1.000	1.00
2	27:05	1.00	0.888	1.00	67.93	80.00	1.391	1.638	0.85
3	27:02	1.00	0.887	1.00	73.53	80.00	1.383	1.505	0.92
4	27:02	1.00	0.887	1.00	76.31	80.00	0.336	0.352	0.95
5	27:08	1.00	0.890	1.00	72.56	80.00	1.364	1.504	0.91
6	27:08	1.00	0.890	1.00	67.35	80.00	0.356	0.423	0.84
7	29:45	1.00	0.976	1.00	86.46	80.00	1.590	1.471	1.08
8	29:46	1.00	0.976	1.00	63.98	80.00	0.320	0.400	0.80
9	29:50	1.00	0.978	1.00	77.34	80.00	1.391	1.439	0.97
10	29:50	1.00	0.978	1.00	57.38	80.00	0.269	0.375	0.72
11	30:34	1.00	1.002	1.00	83.30	80.00	1.332	1.279	1.04
12	30:34	1.00	1.002	1.00	86.70	80.00	0.275	0.254	1.08

Quantitation Report File: STDX880

01040

Data: STDX880.TI
06/07/88 9:51:00
Sample: 80 PPB PAH STD. 10-19-88 MLB
Conds.: 2 UL AUTO INJ
Formula: Instrument: 4500 Weight: 80.000
Submitted by: RMAL Analyst: JGG/GW Acct. No.:

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

No	Name	
1	D12-BENZO(A)PYRENE	264IPH# 01
2	D12-CHRYSENE	240SPH# 02
3	BENZO(A)ANTHRACENE	228 PH# 03
4	BENZO(A)ANTHRACENE	226 PH# 04
5	CHRYSENE	228 PH# 05
6	CHRYSENE	226 PH# 06
7	BENZO(B)FLUORANTHENE	252 PH# 07
8	BENZO(B)FLUORANTHENE	250 PH# 08
9	BENZO(K)FLUORANTHENE	252 PH# 09
10	BENZO(K)FLUORANTHENE	250 PH# 10
11	BENZO(A)PYRENE	252 PH# 13
12	BENZO(A)PYRENE	250 PH# 14

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount		%Tot
1	264	3661	30:30	1	1.000	A BB	25325.	80.000	NG/ML	8.96
2	240	3251	27:05	1	0.888	A BV	35225.	67.931	NG/ML	7.61
3	228	3245	27:02	1	0.886	A BV	35037.	73.534	NG/ML	8.24
4	226	3246	27:03	1	0.887	A BV	8497.	76.306	NG/ML	8.55
5	228	3259	27:09	1	0.890	A VB	34542.	72.558	NG/ML	8.13
6	226	3259	27:09	1	0.890	A VB	9012.	67.349	NG/ML	7.54
7	252	3575	29:47	1	0.977	A BV	40271.	86.457	NG/ML	9.68
8	250	3576	29:48	1	0.977	A BV	8109.	63.981	NG/ML	7.17
9	252	3583	29:51	1	0.979	A VB	35237.	77.338	NG/ML	8.66
10	250	3584	29:52	1	0.979	A VB	6806.	57.376	NG/ML	6.43
11	252	3668	30:34	1	1.002	A BB	33721.	83.304	NG/ML	9.33
12	250	3669	30:34	1	1.002	A BB	6960.	86.704	NG/ML	9.71

No	Ret(L)	Ratio	RRT(L)	Ratio	Amnt	Amnt(L)	R.Fac	R.Fac(L)	Ratio
1	30:30	1.00	1.000	1.00	80.00	80.00	1.000	1.000	1.00
2	27:05	1.00	0.888	1.00	67.93	80.00	1.391	1.638	0.85
3	27:02	1.00	0.887	1.00	73.53	80.00	1.383	1.505	0.92
4	27:02	1.00	0.887	1.00	76.31	80.00	0.336	0.352	0.95
5	27:08	1.00	0.890	1.00	72.56	80.00	1.364	1.504	0.91
6	27:08	1.00	0.890	1.00	67.35	80.00	0.356	0.423	0.84
7	29:45	1.00	0.976	1.00	86.46	80.00	1.590	1.471	1.08
8	29:46	1.00	0.976	1.00	63.98	80.00	0.320	0.400	0.80
9	29:50	1.00	0.978	1.00	77.34	80.00	1.391	1.439	0.97
10	29:50	1.00	0.978	1.00	57.38	80.00	0.269	0.375	0.72
11	30:34	1.00	1.002	1.00	83.30	80.00	1.332	1.279	1.04
12	30:34	1.00	1.002	1.00	86.70	80.00	0.275	0.254	1.08

6/8/88 16:34:18 SCAN 1 OF 3900
Acquisition started

01041

Acquire Run 2:STDX889 ACQUIRING
06/08/88 16:34:00 + 0:03 Free sectors: 5201 Scan: 7 of 3900
Sample: 80 PPB PAH STD. 10-29-88 MLB
Conds.: 2 UL AUTO INJ
Formula: Instrument: 4500 Weight: 80.000
Submitted by: RMAL Analyst: JGG Acct. No:

********** QC PARAMETERS **********
Loaded QC Desc:PA Current QC oven tmp: 28 DegC Injector : 265 DegC
Current QC Desc:PA QC elapsed time : 0: 3 min Int.oven : 300 DegC

Seq.#	Temp(C)	Rate(C/m)	Time(min)	Total time(min)		Open	Close
1	30 - 30	-	1.0	1.0	Sweep/Split	0.5	0.0
2	30 - 325	10.0	29.5	30.5	Divert	45.5	0.0
3	325 - 325	-	15.0	45.5			
4	325 - 325	-	0.0	45.5			

********** SCAN PARAMETERS **********
***** Mode: Centroid positive ion + R1 (Temp)

MID scan Desc: P1 Mass intervals: 3
Scan time: 0.500 s Samp. int.: 0.200 ms Master rate: 1024

Int #	Lo mass	Hi mass	Time	MPW	MFW	MA	TH	BL	ION
1	225.500	226.500	0.105	1	100	0	1	1	Pos
2	227.500	228.500	0.105	1	100	0	1	1	Pos
3	239.500	240.500	0.105	1	100	0	1	1	Pos

Interface number	0	
Sub-interface number	0	
# of acqu buffers	16	
Instrument type	Q	
Full scale mass	1024	u
Zero scale mass	1	u
Intensity/ion	2	
Peak Width	1000.	mmu
Offset at low mass	0	mmu
Offset at high mass	0	mmu
Voltage settling time(MS)	4	

6/8/88 17:02:42 SCAN 3407 OF 3900

MID scan Desc: P2 Mass intervals: 3
Scan time: 0.500 s Samp. Int.: 0.200 ms Master rate: 1024

Int #	Lo mass	Hi mass	Time	MPW	MFW	MA	TH	BL	ION
1	249.575	250.575	0.105	1	100	0	1	1	Pos
2	251.575	252.575	0.105	1	100	0	1	1	Pos
3	263.579	264.579	0.105	1	100	0	1	1	Pos

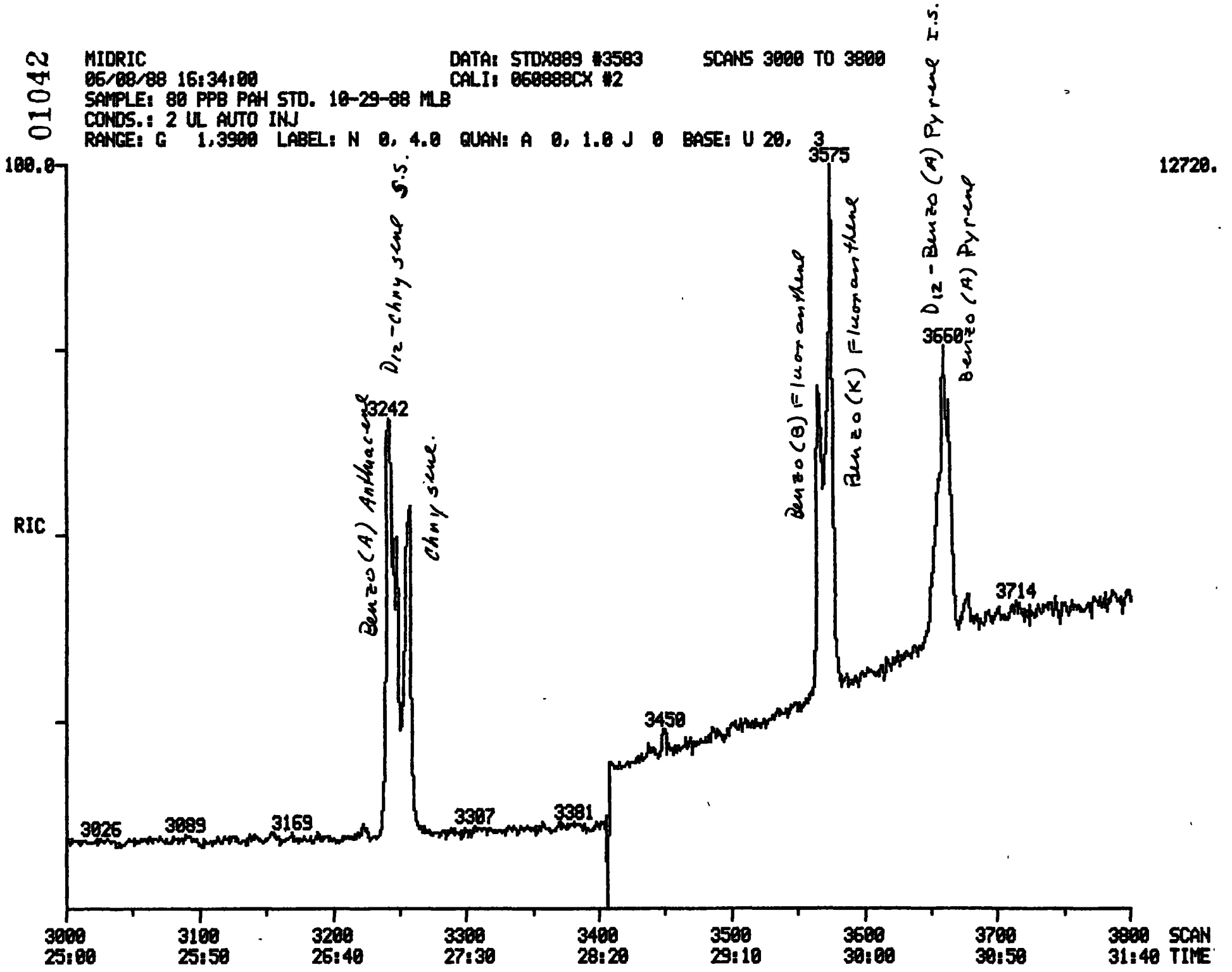
6/8/88 17:06:52
ACQUISITION COMPLETED
SCANS 1 TO 3406 Centroid
SCAN 3407 Suspended
SCANS-3408 TO 3900 Centroid

Mode	Scans	Secs	Out of	%	Peaks per scan	per sec
Centroid	3899	194.6	1949.5	10.0	15596. 4.	8.

01042

MIDRIC
06/08/88 16:34:00
SAMPLE: 80 PPB PAH STD. 10-29-88 MLB
CONDS.: 2 UL AUTO INJ
RANGE: G 1,3900 LABEL: N 0, 4.0 QUAN: A 0, 1.0 J 0 BASE: U 20, 3

DATA: STDX889 #3583 SCANS 3000 TO 3800
CALI: 060888CX #2



Quantitation Report File: STDX889

Data: STDX889.TI
06/08/88 16:34:00
Sample: 80 PPB PAH STD. 10-29-88 MLB
Conds.: 2 UL AUTO INJ
Formula: Instrument: 4500 Weight: 80.000
Submitted by: RMAL Analyst: JGG Acct. No.:

01043

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

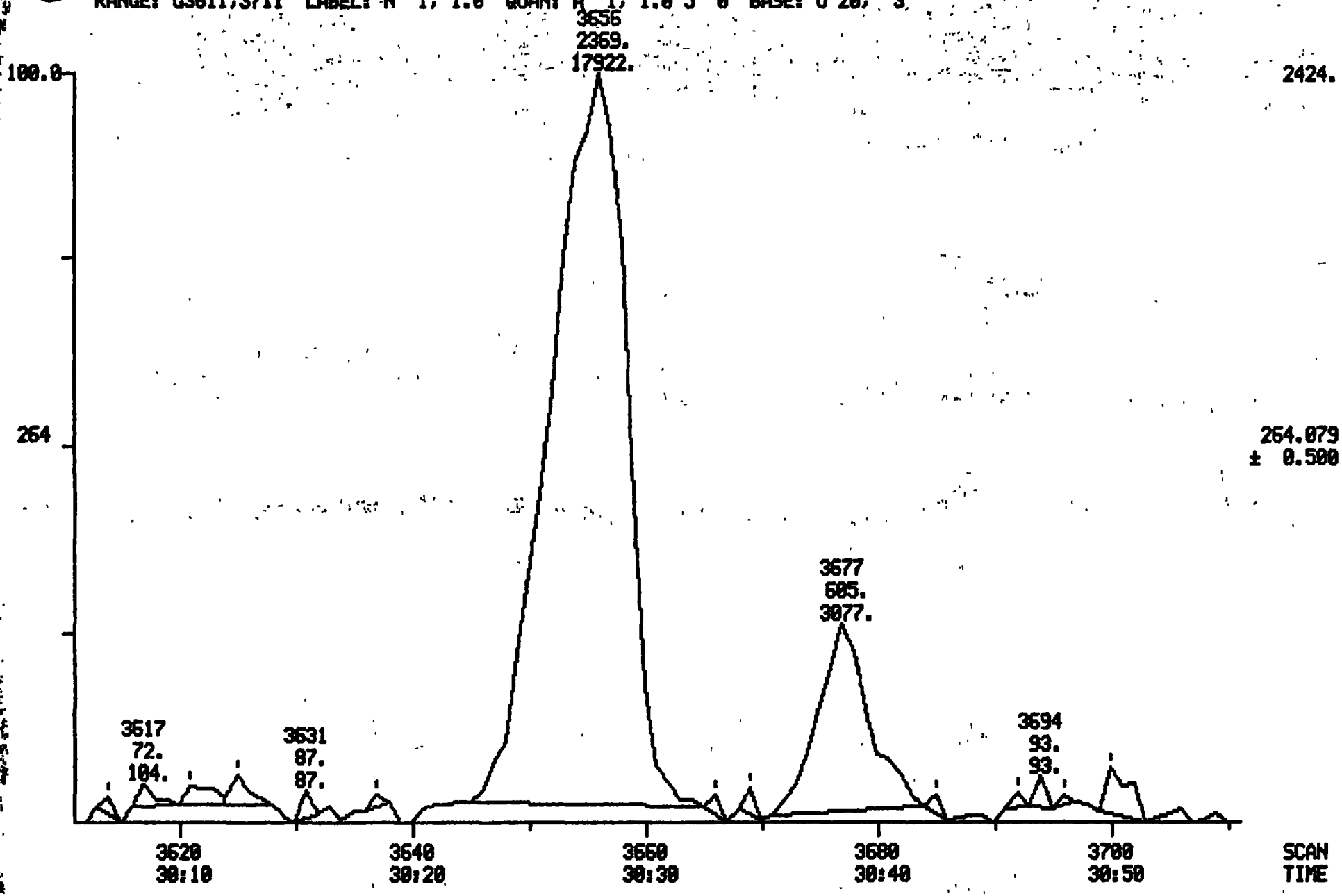
No	Name	
1	D12-BENZO(A)PYRENE	264IPH# 01
2	D12-CHRYSENE	240SPH# 02
3	BENZO(A)ANTHRACENE	228 PH# 03
4	BENZO(A)ANTHRACENE	226 PH# 04
5	CHRYSENE	228 PH# 05
6	CHRYSENE	226 PH# 06
7	BENZO(B)FLUORANTHENE	252 PH# 07
8	BENZO(B)FLUORANTHENE	250 PH# 08
9	BENZO(K)FLUORANTHENE	252 PH# 09
10	BENZO(K)FLUORANTHENE	250 PH# 10
11	BENZO(J)FLUORANTHENE	252 PH# 11
12	BENZO(J)FLUORANTHENE	250 PH# 12
13	BENZO(A)PYRENE	252 PH# 13
14	BENZO(A)PYRENE	250 PH# 14

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount		%Tot
1	264	3656	30:28	1	1.000	A BB	17922.	80.000	NG/ML	7.14
2	240	3248	27:04	1	0.888	A BB	27382.	87.876	NG/ML	7.85
3	228	3242	27:01	1	0.887	A BV	26338.	84.979	NG/ML	7.59
4	226	3243	27:01	1	0.887	A BB	6135.	81.625	NG/ML	7.29
5	228	3258	27:09	1	0.891	A VB	26330.	86.173	NG/ML	7.69
6	226	3258	27:09	1	0.891	A BB	6943.	87.098	NG/ML	7.78
7	252	3575	29:47	1	0.978	A VB	36197.	101.612	NG/ML	9.07
8	250	3575	29:47	1	0.978	A VB	6841.	95.375	NG/ML	8.52
9	252	3575	29:47	1	0.978	A VB	36197.	116.127	NG/ML	10.37
10	250	3575	29:47	1	0.978	A VB	6841.	113.622	NG/ML	10.15
11	252	3595	29:57	1	0.983	A BB	218.	0.650	NG/ML	0.06
12	250	3584	29:52	1	0.980	A BB	180.	2.431	NG/ML	0.22
13	252	3660	30:30	1	1.001	A BB	24894.	83.456	NG/ML	7.45
14	250	3660	30:30	1	1.001	A BV	6086.	98.858	NG/ML	8.83

No	Ret(L)	Ratio	RRT(L)	Ratio	Amnt	Amnt(L)	R.Fac	R.Fac(L)	Ratio
1	30:30	1.00	1.000	1.00	80.00	80.00	1.000	1.000	1.00
2	27:05	1.00	0.888	1.00	87.88	80.00	1.528	1.391	1.10
3	27:02	1.00	0.886	1.00	84.98	80.00	1.470	1.383	1.06
4	27:03	1.00	0.887	1.00	81.62	80.00	0.342	0.336	1.02
5	27:09	1.00	0.890	1.00	86.17	80.00	1.469	1.364	1.08
6	27:09	1.00	0.890	1.00	87.10	80.00	0.387	0.356	1.09
7	29:47	1.00	0.977	1.00	101.61	80.00	2.020	1.590	1.27
8	29:48	1.00	0.977	1.00	95.38	80.00	0.382	0.320	1.19
9	29:51	1.00	0.979	1.00	116.13	80.00	2.020	1.391	1.45
10	29:52	1.00	0.979	1.00	113.62	80.00	0.382	0.269	1.42
11	29:41	1.01	0.982	1.00	0.65	80.00	0.012	1.496	0.01

No	Ret(L)	Ratio	RRT(L)	Ratio	Amnt	Amnt(L)	R. Fac	R. Fac(L)	Ratio
12	29:41	1.01	0.982	1.00	2.43	80.00	0.010	0.330	0.03
13	30:34	1.00	1.002	1.00	83.46	80.00	1.389	1.332	1.04
14	30:34	1.00	1.002	1.00	98.86	80.00	0.340	0.275	1.24

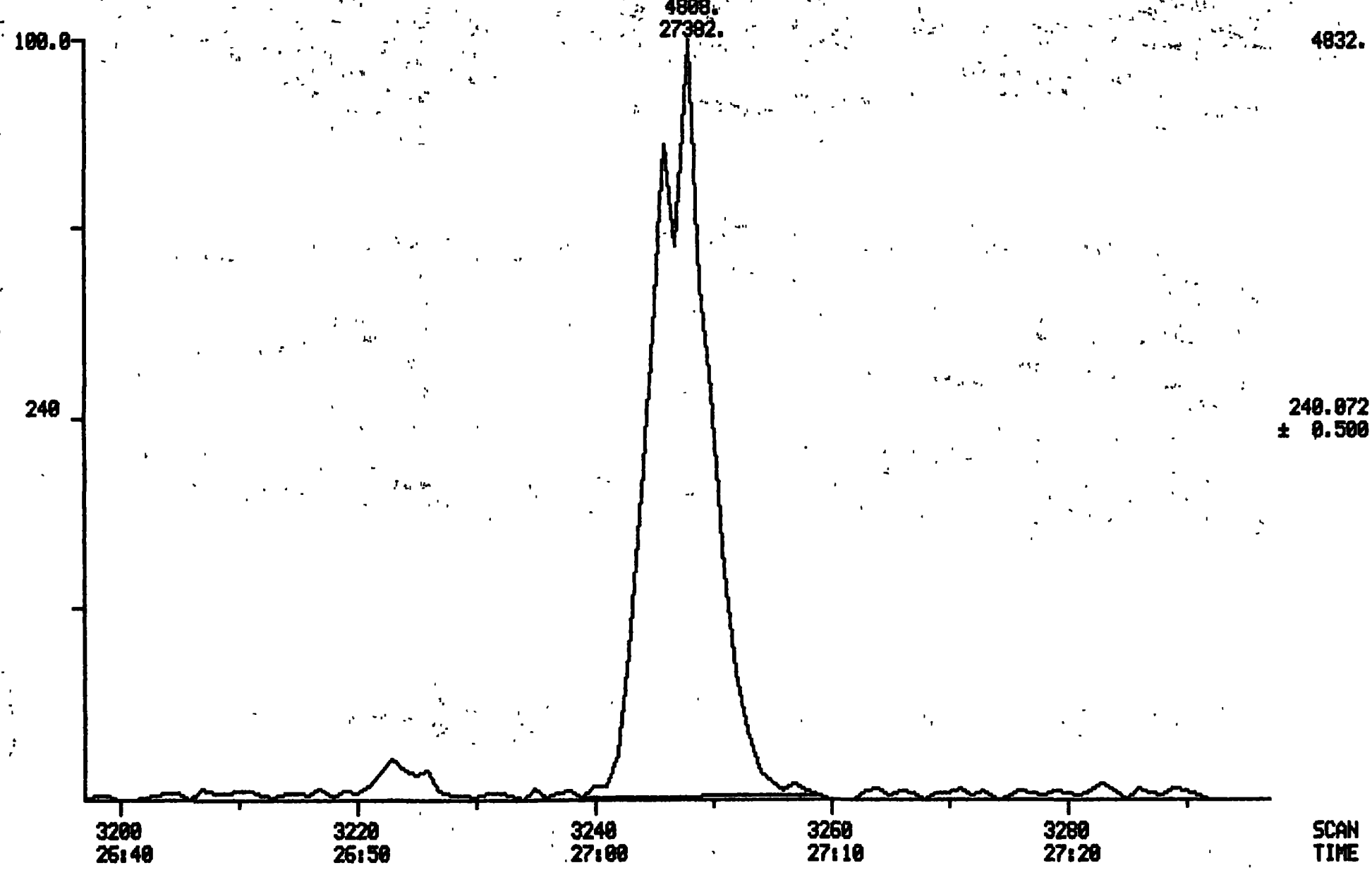
MIDMASS CHROMATOGRAM DATA: STDX889 #3661 SCANS 3611 TO 3711
06/08/88 16:34:00 CALI: 060888CX #2
SAMPLE: 80 PPB PAH STD. 10-29-88 MLB
CONDS.: 2 UL AUTO INJ
D12-BENZO(A)PYRENE 264IPH# 01
RANGE: G3611,3711 LABEL: N 1, 1.0 QUAN: A 1, 1.0 J 0 BASE: U 20, 3



01045

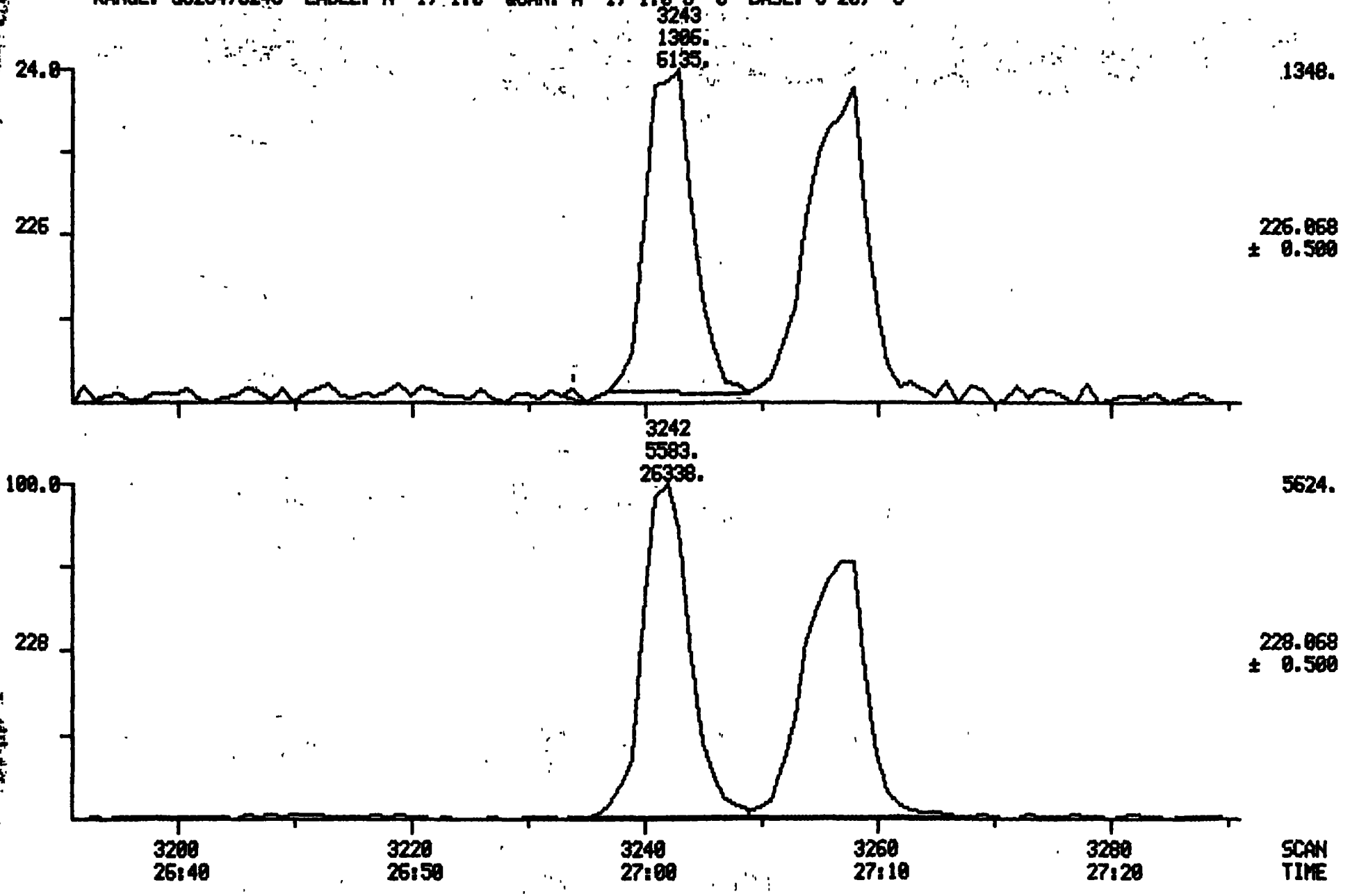
010416

MIDMASS CHROMATOGRAM DATA: STDX089 #3247 SCANS 3197 TO 3297
06/08/88 16:34:00 CALI: 060888CX #2
SAMPLE: 80 PPB PAH STD. 10-29-88 MLB
CONDS.: 2 UL AUTO INJ
D12-CHRYSENE 240SPH# 02
RANGE: G3240,3254 LABEL: N 1, 1.0 QUAN: A 1, 1.0 J 0 BASE: U 20, 3



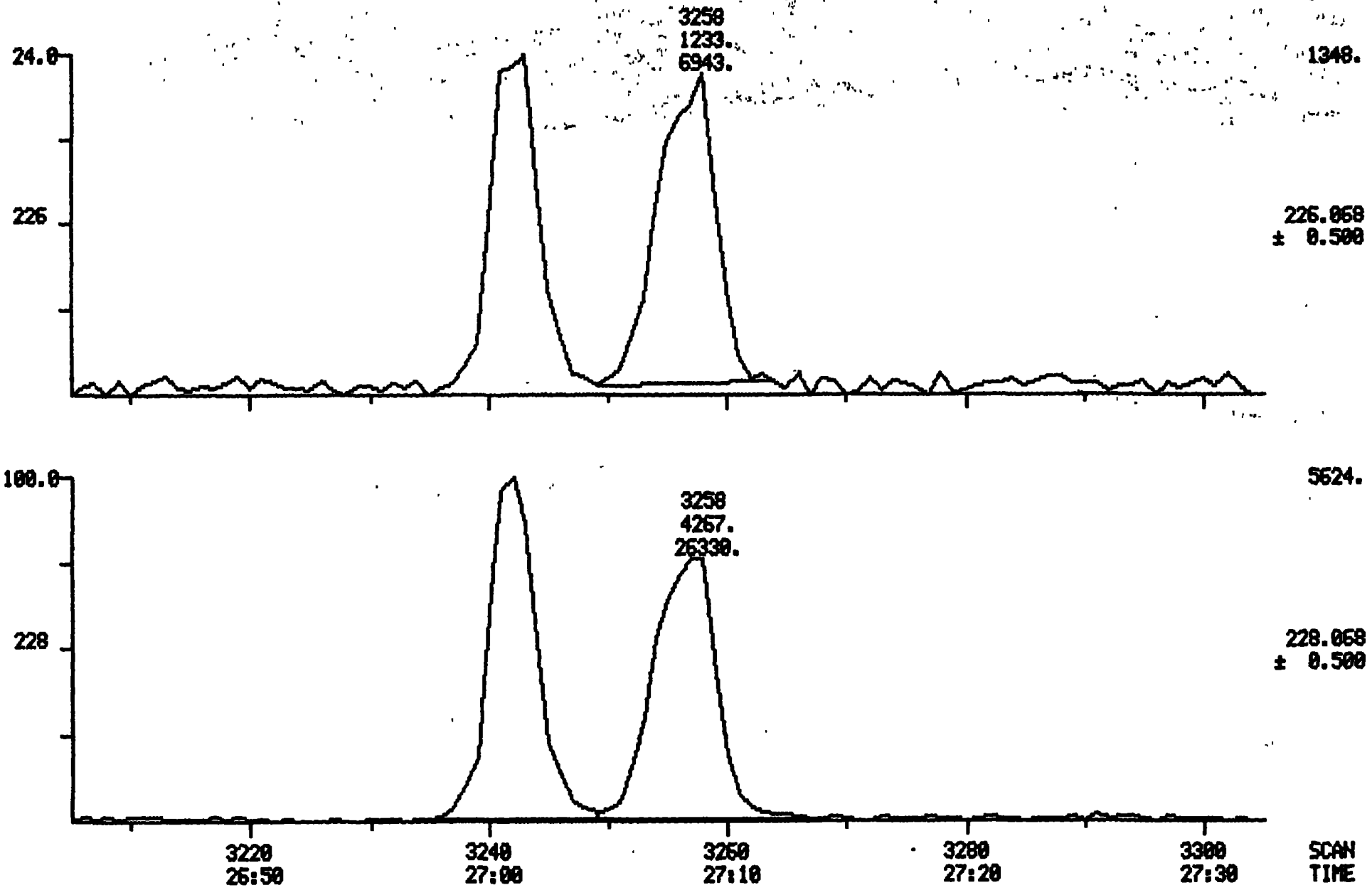
010047

MIDMASS CHROMATOGRAMS DATA: STDX089 #3241 SCANS 3191 TO 3291
06/08/88 16:34:00 CALI: 060888CX #2
SAMPLE: 80 PPB PAH STD. 10-29-88 MLB
CONDS.: 2 UL AUTO INJ
BENZO(A)ANTHRACENE 228 PH# 03
RANGE: G3234,3248 LABEL: N 1, 1.0 QUAN: A 1, 1.0 J 0 BASE: U 20, 3



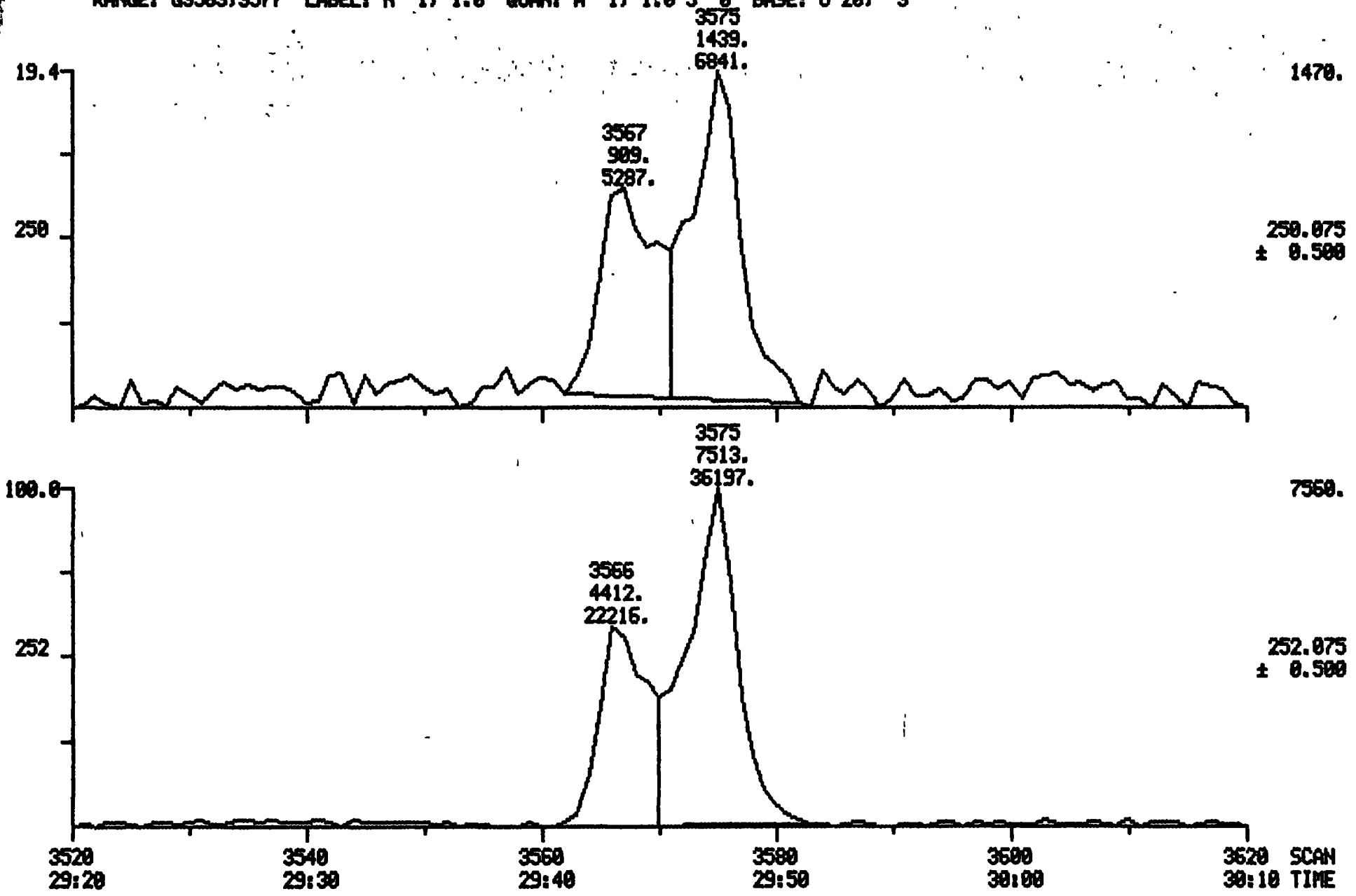
010418

MIDMASS CHROMATOGRAMS DATA: STDX889 #3255 SCANS 3205 TO 3305
06/08/88 16:34:00 CALI: 060888CX #2
SAMPLE: 80 PPB PAH STD. 10-29-88 MLB
CONDS.: 2 UL AUTO INJ
CHRYSENE 228 PH# 05
RANGE: G3248,3262 LABEL: N 1, 1.0 QUAN: A 1, 1.0 J 0 BASE: U 20, 3



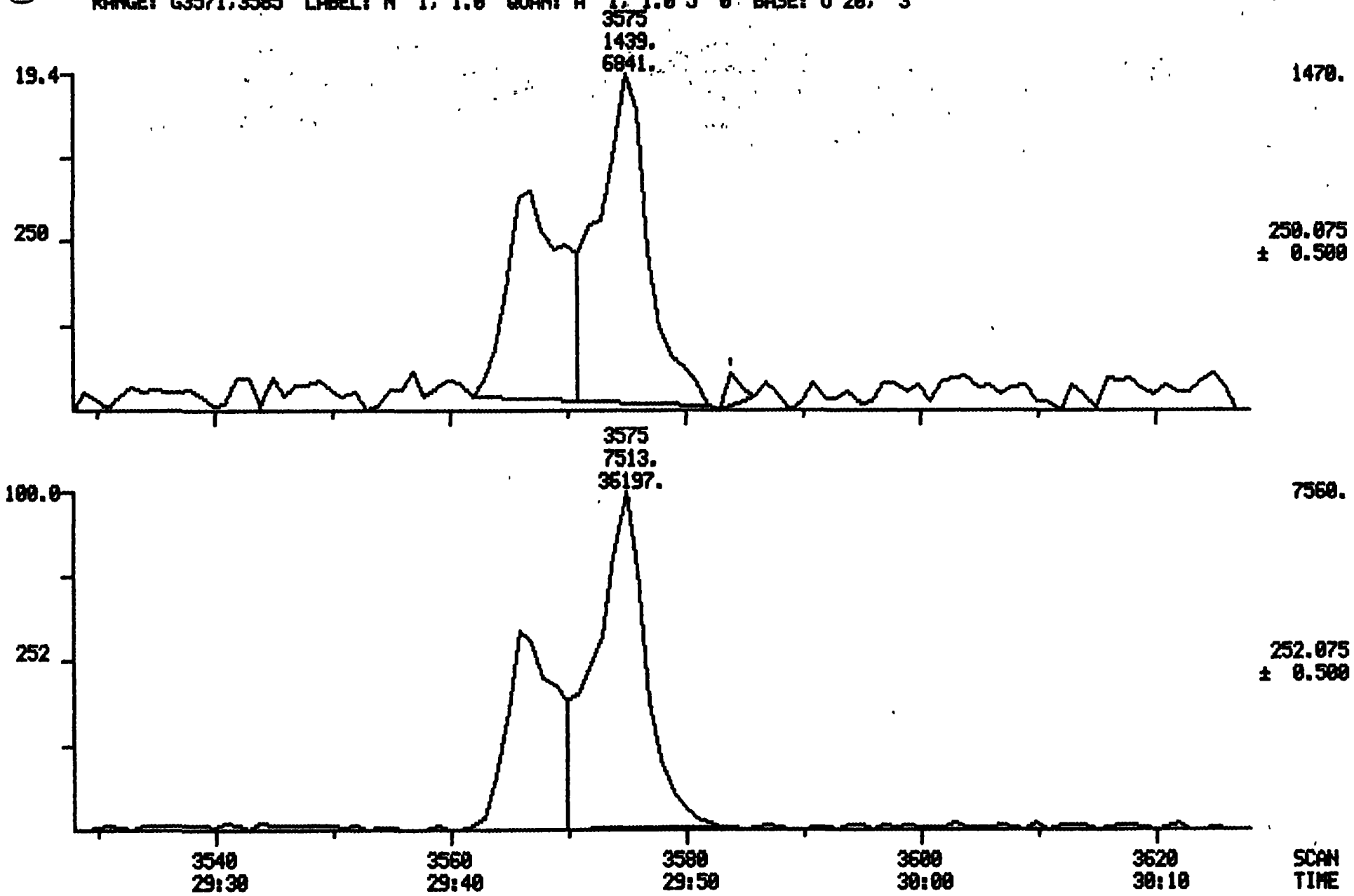
01049

MIDMASS CHROMATOGRAMS DATA: STDX889 #3570 SCANS 3520 TO 3620
06/08/88 16:34:00 CALI: 060888CX #2
SAMPLE: 80 PPB PAH STD. 10-29-88 MLB
CONDS.: 2 UL AUTO INJ
BENZO(B)FLUORANTHENE 252 PH# 07
RANGE: G3563,3577 LABEL: N 1, 1.0 QUAN: A 1, 1.0 J 0 BASE: U 20, 3



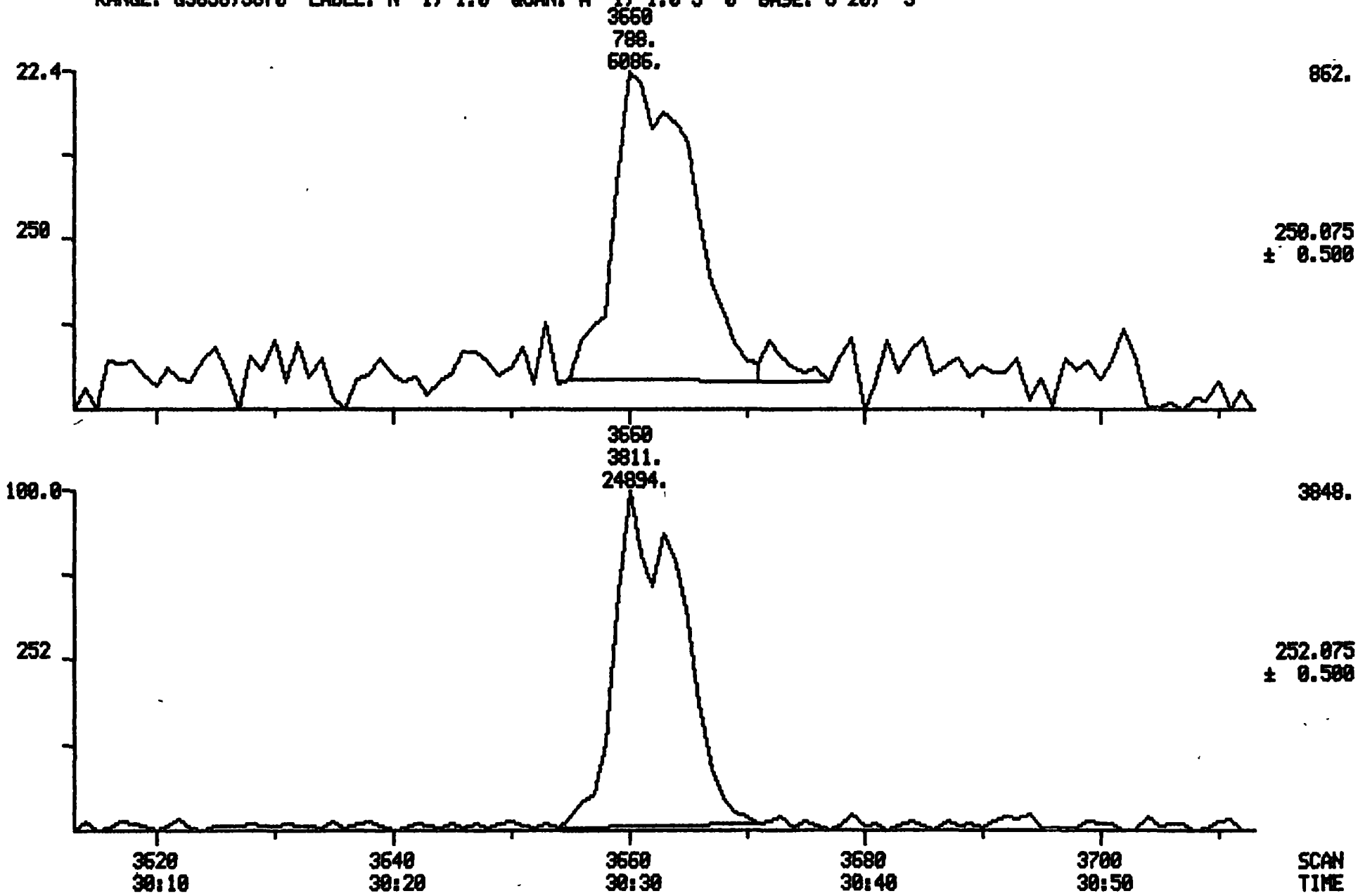
01050

MIDMASS CHROMATOGRAMS DATA: STDX889 #3578 SCANS 3528 TO 3628
06/08/88 16:34:00 CALI: 060888CX #2
SAMPLE: 80 PPB PAH STD. 10-29-88 MLB
CONDS.: 2 UL AUTO INJ
BENZO(K)FLUORANTHENE 252 PH# 09
RANGE: G3571,3585 LABEL: N 1, 1.0 QUAN: A 1, 1.0 J 0 BASE: U 20, 3



01051

MIDMASS CHROMATOGRAMS DATA: STDX889 #3663 SCANS 3613 TO 3713
06/08/88 16:34:00 CALI: 060888CX #2
SAMPLE: 80 PPB PAH STD. 10-29-88 MLB
CONDS.: 2 UL AUTO INJ
BENZO(A)PYRENE 252 PH# 13
RANGE: G3656,3670 LABEL: N 1, 1.0 QUAN: A 1, 1.0 J 0 BASE: U 20, 3



Quantitation Report File: STDX889

01052

Data: STDX889.TI
06/08/88 16:34:00
Sample: 80 PPB PAH STD. 10-29-88 MLB
Conds.: 2 UL AUTO INJ
Formula: Instrument: 4500 Weight: 80.000
Submitted by: RMAL Analyst: JGG Acct. No.:

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

No	Name	
1	D12-BENZO(A)PYRENE	264IPH# 01
2	D12-CHRYSENE	240SPH# 02
3	BENZO(A)ANTHRACENE	228 PH# 03
4	BENZO(A)ANTHRACENE	226 PH# 04
5	CHRYSENE	228 PH# 05
6	CHRYSENE	226 PH# 06
7	BENZO(B)FLUORANTHENE	252 PH# 07
8	BENZO(B)FLUORANTHENE	250 PH# 08
9	BENZO(K)FLUORANTHENE	252 PH# 09
10	BENZO(K)FLUORANTHENE	250 PH# 10
11	BENZO(A)PYRENE	252 PH# 13
12	BENZO(A)PYRENE	250 PH# 14

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount		%Tot
1	264	3656	30:28	1	1.000	A BB	17922.	80.000	NG/ML	7.57
2	240	3248	27:04	1	0.888	A BB	27382.	87.876	NG/ML	8.32
3	228	3242	27:01	1	0.887	A BV	26338.	84.979	NG/ML	8.05
4	226	3243	27:01	1	0.887	A BB	6135.	81.625	NG/ML	7.73
5	228	3258	27:09	1	0.891	A VB	26330.	86.173	NG/ML	8.16
6	226	3258	27:09	1	0.891	A BB	6943.	87.098	NG/ML	8.25
7	252	3566	29:43	1	0.975	M XX	22490.	63.134	NG/ML	5.98
8	250	3567	29:43	1	0.976	M XX	5255.	73.263	NG/ML	6.94
9	252	3575	29:47	1	0.978	A VB	36197.	116.127	NG/ML	10.99
10	250	3575	29:47	1	0.978	A VB	6841.	113.622	NG/ML	10.76
11	252	3660	30:30	1	1.001	A BB	24894.	83.456	NG/ML	7.90
12	250	3660	30:30	1	1.001	A BV	6086.	98.858	NG/ML	9.36

No	Ret(L)	Ratio	RRT(L)	Ratio	Amnt	Amnt(L)	R.Fac	R.Fac(L)	Ratio
1	30:30	1.00	1.000	1.00	80.00	80.00	1.000	1.000	1.00
2	27:05	1.00	0.888	1.00	87.88	80.00	1.528	1.391	1.10
3	27:02	1.00	0.886	1.00	84.98	80.00	1.470	1.383	1.06
4	27:03	1.00	0.887	1.00	81.62	80.00	0.342	0.336	1.02
5	27:09	1.00	0.890	1.00	86.17	80.00	1.469	1.364	1.08
6	27:09	1.00	0.890	1.00	87.10	80.00	0.387	0.356	1.09
7	29:47	1.00	0.977	1.00	63.13	80.00	1.255	1.590	0.79
8	29:48	1.00	0.977	1.00	73.26	80.00	0.293	0.320	0.92
9	29:51	1.00	0.979	1.00	116.13	80.00	2.020	1.391	1.45
10	29:52	1.00	0.979	1.00	113.62	80.00	0.382	0.269	1.42
11	30:34	1.00	1.002	1.00	83.46	80.00	1.389	1.332	1.04
12	30:34	1.00	1.002	1.00	98.86	80.00	0.340	0.275	1.24

Quantitation Report File: STDX889

01053

Data: STDX889.TI
06/08/88 16:34:00
Sample: 80 PPB PAH STD. 10-29-88 MLB
Conds.: 2 UL AUTO INJ
Formula: Instrument: 4500 Weight: 80.000
Submitted by: RMAL Analyst: JGG Acct. No.:

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

No	Name	
1	D12-BENZO(A)PYRENE	264IPH# 01
2	D12-CHRYSENE	240SPH# 02
3	BENZO(A)ANTHRACENE	228 PH# 03
4	BENZO(A)ANTHRACENE	226 PH# 04
5	CHRYSENE	228 PH# 05
6	CHRYSENE	226 PH# 06
7	BENZO(B)FLUORANTHENE	252 PH# 07
8	BENZO(B)FLUORANTHENE	250 PH# 08
9	BENZO(K)FLUORANTHENE	252 PH# 09
10	BENZO(K)FLUORANTHENE	250 PH# 10
11	BENZO(A)PYRENE	252 PH# 13
12	BENZO(A)PYRENE	250 PH# 14

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount		%Tot
1	264	3656	30:28	1	1.000	A BB	17922.	80.000	NG/ML	8.33
2	240	3248	27:04	1	0.888	A BB	27382.	80.000	NG/ML	8.33
3	228	3242	27:01	1	0.887	A BV	26338.	80.000	NG/ML	8.33
4	226	3243	27:01	1	0.887	A BB	6135.	80.000	NG/ML	8.33
5	228	3258	27:09	1	0.891	A VB	26330.	80.000	NG/ML	8.33
6	226	3258	27:09	1	0.891	A BB	6943.	80.000	NG/ML	8.33
7	252	3566	29:43	1	0.975	M XX	22490.	80.000	NG/ML	8.33
8	250	3567	29:43	1	0.976	M XX	5255.	80.000	NG/ML	8.33
9	252	3575	29:47	1	0.978	A VB	36197.	80.000	NG/ML	8.33
10	250	3575	29:47	1	0.978	A VB	6841.	80.000	NG/ML	8.33
11	252	3660	30:30	1	1.001	A BB	24894.	80.000	NG/ML	8.33
12	250	3660	30:30	1	1.001	A BV	6086.	80.000	NG/ML	8.33

No	Ret(L)	Ratio	RRT(L)	Ratio	Amnt	Amnt(L)	R.Fac	R.Fac(L)	Ratio
1	30:28	1.00	1.000	1.00	80.00	80.00	1.000	1.000	1.00
2	27:04	1.00	0.888	1.00	80.00	80.00	1.528	1.528	1.00
3	27:01	1.00	0.887	1.00	80.00	80.00	1.470	1.470	1.00
4	27:01	1.00	0.887	1.00	80.00	80.00	0.342	0.342	1.00
5	27:09	1.00	0.891	1.00	80.00	80.00	1.469	1.469	1.00
6	27:09	1.00	0.891	1.00	80.00	80.00	0.387	0.387	1.00
7	29:43	1.00	0.975	1.00	80.00	80.00	1.255	1.255	1.00
8	29:43	1.00	0.976	1.00	80.00	80.00	0.293	0.293	1.00
9	29:47	1.00	0.978	1.00	80.00	80.00	2.020	2.020	1.00
10	29:47	1.00	0.978	1.00	80.00	80.00	0.382	0.382	1.00
11	30:30	1.00	1.001	1.00	80.00	80.00	1.389	1.389	1.00
12	30:30	1.00	1.001	1.00	80.00	80.00	0.340	0.340	1.00