EPA Laboratory Management System
(~~68) B/N/Acid Scan~~
67 PAH

Sample: 91130150
Method: EP2-625 GC/MS Ext Scan
Project: HWD-127A RIDGEFIELD BRICK AND TILE
Station: _____ Source:(23) Well (Test/Observati

Matrix:(10) Water-Total
Officer: Bailey, Marsha
Account: AGDD3A
Field Prep:(__) Unknown

Collected: 91/ 03/ 27
Received: 91/ 03/ 29

Comments: _____

Extracted: 91 / 04 / 03 Extractor: DL Weight/Volume Extracted: 3080 ml

Analyzed: 91 / 04 / 29 08 : 53 Analyst: RYA Percent Solids: _____

Reviewed: 91 / 04 / 29 By: RYA Final Review: 5 / 2 / 91 By: JM

IBM Report: 91 / 05 / 01 By: RYA

Sample Volume (ml): 3080ml

Standard Run: WAN1119
Std. Stock Solution: LABN1115
Background Run: WBW1093
Calibration Run: FC43 1119
Extraction Solvent: CH2CL2

Tape Identification: 24-1991-5100-WDOE
Tape File Number: #12

Final Extract Cool (ml): 1
Volume Injected (ul): 2
Dilution Factor: _____

Instrument: Finnigan
Carrier Gas: Helium
Gas Flow Rate (ml/min): 2
Run Time (min): 45

Column Coating , Film Thickness: DB-5 , .25 u
Column Inside Diameter (mm): 0.254
Column Length (M): 30
Column Tubing Material: Fused Silica

Start Mass (AMU): 35
AMU/sec: 415
Stop Mass (AMU): 450

| | | |
|---|---|---|
| Temperature 1,2 (deg. C): | 35 , | 50 |
| Time 1,2 (min): | 2 , | 3 |
| Ramp Rate 1,2 (deg. C/min): | Hold , | 5 |
| Temperature 3,4 (deg. C): | 320 , | 320 |
| Time 3,4 (min): | 33.7, | 6.3 |
| Ramp Rate 3,4 (deg. C/min): | 8 , | Hold |

Injection Port Temp. (deg. C): 250
GC/MS Ionization Mode: E I
Data Acquisition Mode: Acquire
Mass Analyzer (deg. C): 100
Beam Energy (EV): 70
Vacuum (Torr): 0.00001 (10^-5)

(End of Form) 2-APR-91 11:13 91130150

USEPA RCRA
3058020

Laboratory Name: MANCHESTER LAB
Case No: HWD-127A/1011

Sample Number
W91130150

# LOW LEVEL ORGANICS ANALYSIS DATA SHEET
(Page 2)

## SEMIVOLATILE COMPOUNDS

Concentration: LOW
Date Extracted/Prepared: 04/03/91
Date Analyzed: 04/29/91
Conc Factor: 123.1527
Percent Moisture: (Decanted) _____

GPC Cleanup ___ Yes X No
Separatory Funnel Extraction ___ Yes
Continuous Liquid-Liquid Extraction ___ Yes

| CAS Number | | ug/L | CAS Number | | ug/L |
|---|---|---|---|---|---|
| 108-95-2 | Phenol | JMS 0.1U J | 85-01-8 | Phenanthrene | 0.06U J |
| 95-57-8 | 2-Chlorophenol | 0.06U J | 120-12-7 | Anthracene | 0.06U J |
| 95-48-7 | 2-Methylphenol | 0.06U J | 86-74-8 | 9h-Carbazole | 0.004J |
| 106-44-5 | 4-Methylphenol | 0.06U J | 206-44-0 | Fluoranthene | 0.006J |
| 88-75-5 | 2-Nitrophenol | 0.06U ~~0.2U~~ Rya | 129-00-0 | Pyrene | 0.06U J |
| 105-67-9 | 2,4-Dimethylphenol | 0.06U J | 483-65-8 | Retene | 0.06U J |
| 120-83-2 | 2,4-Dichlorophenol | 0.06U J | 56-55-3 | Benzo(a)anthracene | JMS ~~0.02J~~ 0.06 |
| 91-20-3 | Naphthalene | JMS 0.06U ~~0.005J~~ | 218-01-9 | Chrysene | 0.06U J |
| 59-50-7 | 4-Chloro-3-methylphenol | 0.06U ~~0.3U~~ Rya | 205-99-2 | Benzo(b)fluoranthene | 0.02J |
| 91-57-6 | 2-Methylnaphthalene | 0.06U J | 207-08-9 | Benzo(k)fluoranthene | 0.02J |
| 90-12-0 | 1-Methylnaphthalene | 0.06U J | 50-32-8 | Benzo(a)pyrene | 0.06U J |
| 88-06-2 | 2,4,6-Trichlorophenol | 0.06U ~~0.2U~~ Rya | 193-39-5 | Indeno(1,2,3-cd)pyrene | 0.06U J |
| 95-95-4 | 2,4,5-Trichlorophenol | 0.06U ~~0.3U~~ Rya | 53-70-3 | Dibenz(a,h)anthracene | 0.06U ~~0.2U~~ Rya |
| 91-58-7 | 2-Chloronaphthalene | 0.06U J | 191-24-2 | Benzo(g,h,i)perylene | 0.06U J |
| 208-96-8 | Acenaphthylene | 0.06U J | | | % |
| 83-32-9 | Acenaphthene | 0.06U J | 4165-60-0 | Nitrobenzene-d5 (SS) | 51 |
| 51-28-5 | 2,4-Dinitrophenol | 0.6U ~~0.8U~~ Rya | 321-60-8 | 2-Fluorobiphenyl (SS) | 46 |
| 100-02-7 | 4-Nitrophenol | 0.6U ~~0.4U~~ Rya | 1718-51-0 | Terphenyl-d14 (SS) | 84 |
| 132-64-9 | Dibenzofuran | 0.06U J | 4165-62-2 | Phenol-d5 (SS) | 18 |
| 86-73-7 | Fluorene | 0.06U J | 367-12-4 | 2-Fluorophenol (SS) | 31 |
| 534-52-1 | 4,6-Dinitro-2-methylphenol | 0.6U ~~0.8U~~ Rya | 118-79-3 | 2,4,6-Tribromophenol (SS) | NAR |
| 87-86-5 | Pentachlorophenol | 0.6U ~~0.3U~~ Rya | 1718-52-1 | D14-pyrene | 84 JMS |

.92 4-29-91 Rya

4/29/91 8:53:26 SCAN 1 OF 5400
Acquisition started

Acquire Run 0:W130150 Acquiring
04/29/91 8:53:00 + 0:02 Free sectors: 18027 Scan: 3 of 5400
Sample: W130150 RIDGEFIELD 100% 1ML/2UL INJ
Conds.: WDOE 35 DEG 2 MIN 50 DEG @ 5 MIN 320 DEG @ 8 DEG/MIN
Formula: WDF1119/ISSM1098A Instrument: 5100 Weight: 0.000
Submitted by: RGX-WDOE Analyst: RYA/WDOE Acct. No: WAN1119

*** GC descriptor: PP ***

GC temperature: 35 DegC Injector: 250 DegC
Elapsed time : 0: 3 min Interface: 250 DegC

| Seq. # | Temp (DegC) | Rate (C/min) | Time (minutes) period | Time (minutes) total |
|---|---|---|---|---|
| 1 | 35- 35 | - | 2.0 | 2.0 |
| 2 | 35- 50 | 5.0 | 3.0 | 5.0 |
| 3 | 50-320 | 8.0 | 33.7 | 38.7 |
| 4 | 320-320 | - | 6.3 | 45.0 |

| Valve times (minutes) | Open | Close |
|---|---|---|
| Sweep/Split | 1.0 | 0.0 |
| Divert | 45.0 | 3.0 |

*** Scan Parameters ***

MODE: EI (+) Centroid + Temp - Sequence: LL ( 10 time windows. )

Verified 4-29-91 Rya

Window # 1
Number of cycles: 700
Filament is OFF
Multiplier is ON and set to -1294. volts

MID scan Desc: P0 Mass intervals: 4 Positive ion mode.
Scan time: 0.500 s Samp. int.: 0.200 ms Master rate: 128

| Int # | Lo mass | Hi mass | Time | MPW | MFW | MA | TH | BL |
|---|---|---|---|---|---|---|---|---|
| 1 | 93.528 | 100.530 | 0.117 | 1 | 80 | 10 | 1 | 0 |
| 2 | 109.533 | 116.535 | 0.117 | 1 | 80 | 10 | 1 | 0 |
| 3 | 126.538 | 133.540 | 0.117 | 1 | 80 | 10 | 1 | 0 |
| 4 | 148.545 | 155.546 | 0.117 | 1 | 80 | 10 | 1 | 0 |

Teardown 4-29-91 Rya

Window # 2
Number of cycles: 625
Filament is ON
Multiplier is ON and set to -1294. volts

MID scan Desc: P0 Mass intervals: 4 Positive ion mode.
Scan time: 0.500 s Samp. int.: 0.200 ms Master rate: 128

| Int # | Lo mass | Hi mass | Time | MPW | MFW | MA | TH | BL |
|---|---|---|---|---|---|---|---|---|
| 1 | 93.528 | 100.530 | 0.117 | 1 | 80 | 10 | 1 | 0 |
| 2 | 109.533 | 116.535 | 0.117 | 1 | 80 | 10 | 1 | 0 |
| 3 | 126.538 | 133.540 | 0.117 | 1 | 80 | 10 | 1 | 0 |
| 4 | 148.545 | 155.546 | 0.117 | 1 | 80 | 10 | 1 | 0 |

Final Review 5/2/91 JMB

Window # 3
Number of cycles: 350
Filament is ON
Multiplier is ON and set to -1294. volts

MID scan Desc: P1 Mass intervals: 4 Positive ion mode.
Scan time: 0.500 s Samp. int.: 0.200 ms Master rate: 128

| Int # | Lo mass | Hi mass | Time | MPW | MFW | MA | TH | BL |
|---|---|---|---|---|---|---|---|---|
| 1 | 78.524 | 85.525 | 0.117 | 1 | 80 | 10 | 1 | 0 |
| 2 | 102.531 | 109.533 | 0.117 | 1 | 80 | 10 | 1 | 0 |
| 3 | 125.538 | 132.540 | 0.117 | 1 | 80 | 10 | 1 | 0 |
| 4 | 136.541 | 143.543 | 0.117 | 1 | 80 | 10 | 1 | 0 |

Window # 4

Number of cycles: 175
Filament is ON
Multiplier is ON and set to -1294. volts

MID scan Desc: P2 Mass intervals: 3 Positive ion mode.
Scan time: 0.500 s Samp. int.: 0.200 ms Master rate: 128

| Int # | Lo mass | Hi mass | Time | MPW | MFW | MA | TH | BL |
|---|---|---|---|---|---|---|---|---|
| 1 | 59.518 | 66.520 | 0.117 | 1 | 80 | 10 | 1 | 0 |
| 2 | 123.537 | 138.541 | 0.250 | 1 | 80 | 10 | 1 | 0 |
| 3 | 160.548 | 167.550 | 0.117 | 1 | 80 | 10 | 1 | 0 |

Window # 5

Number of cycles: 400
Filament is ON
Multiplier is ON and set to -1294. volts

MID scan Desc: P3 Mass intervals: 6 Positive ion mode.
Scan time: 0.500 s Samp. int.: 0.200 ms Master rate: 128

| Int # | Lo mass | Hi mass | Time | MPW | MFW | MA | TH | BL |
|---|---|---|---|---|---|---|---|---|
| 1 | 105.532 | 108.532 | 0.050 | 1 | 80 | 10 | 1 | 0 |
| 2 | 131.540 | 134.540 | 0.050 | 1 | 80 | 10 | 1 | 0 |
| 3 | 138.542 | 144.543 | 0.100 | 1 | 80 | 10 | 1 | 0 |
| 4 | 161.548 | 165.549 | 0.067 | 1 | 80 | 10 | 1 | 0 |
| 5 | 168.551 | 173.552 | 0.084 | 1 | 80 | 10 | 1 | 0 |
| 6 | 195.559 | 202.560 | 0.117 | 1 | 80 | 10 | 1 | 0 |

Window # 6

Number of cycles: 320
Filament is ON
Multiplier is ON and set to -1294. volts

MID scan Desc: P4 Mass intervals: 6 Positive ion mode.
Scan time: 0.500 s Samp. int.: 0.200 ms Master rate: 128

| Int # | Lo mass | Hi mass | Time | MPW | MFW | MA | TH | BL |
|---|---|---|---|---|---|---|---|---|
| 1 | 107.532 | 110.533 | 0.050 | 1 | 80 | 10 | 1 | 0 |
| 2 | 137.541 | 140.542 | 0.050 | 1 | 80 | 10 | 1 | 0 |
| 3 | 148.545 | 155.546 | 0.117 | 1 | 80 | 10 | 1 | 0 |
| 4 | 157.547 | 165.549 | 0.134 | 1 | 80 | 10 | 1 | 0 |
| 5 | 166.550 | 170.551 | 0.067 | 1 | 80 | 10 | 1 | 0 |
| 6 | 182.555 | 185.555 | 0.050 | 1 | 80 | 10 | 1 | 0 |

Window # 7

Number of cycles: 455
Filament is ON
Multiplier is ON and set to -1294. volts

MID scan Desc: P5 Mass intervals: 6 Positive ion mode.
Scan time: 0.500 s Samp. int.: 0.200 ms Master rate: 128

| Int # | Lo mass | Hi mass | Time | MPW | MFW | MA | TH | BL |
|---|---|---|---|---|---|---|---|---|
| 1 | 162.549 | 167.550 | 0.084 | 1 | 80 | 10 | 1 | 0 |
| 2 | 174.552 | 179.554 | 0.084 | 1 | 80 | 10 | 1 | 0 |
| 3 | 184.555 | 189.557 | 0.083 | 1 | 80 | 10 | 1 | 0 |
| 4 | 196.559 | 199.560 | 0.050 | 1 | 80 | 10 | 1 | 0 |
| 5 | 263.579 | 270.581 | 0.117 | 1 | 80 | 10 | 1 | 0 |

Window # 8

Number of cycles: 775
Filament is ON
Multiplier is ON and set to -1294. volts

MID scan Desc: P6 Mass intervals: 5 Positive ion mode.
Scan time: 0.500 s Samp. int.: 0.200 ms Master rate: 128

| Int # | Lo mass | Hi mass | Time | MPW | MFW | MA | TH | BL |
|---|---|---|---|---|---|---|---|---|
| 1 | 163.549 | 168.550 | 0.084 | 1 | 80 | 10 | 1 | 0 |
| 2 | 197.559 | 205.561 | 0.134 | 1 | 80 | 10 | 1 | 0 |
| 3 | 207.562 | 213.564 | 0.100 | 1 | 80 | 10 | 1 | 0 |
| 4 | 217.565 | 220.566 | 0.050 | 1 | 80 | 10 | 1 | 0 |
| 5 | 239.572 | 245.573 | 0.100 | 1 | 80 | 10 | 1 | 0 |

Window # 9

Number of cycles: 1600
Filament is ON
Multiplier is ON and set to -1294. volts

MID scan Desc: P7 Mass intervals: 5 Positive ion mode.
Scan time: 0.500 s Samp. int.: 0.200 ms Master rate: 128

| Int # | Lo mass | Hi mass | Time | MPW | MFW | MA | TH | BL |
|---|---|---|---|---|---|---|---|---|
| 1 | 224.567 | 229.569 | 0.084 | 1 | 80 | 10 | 1 | 0 |
| 2 | 235.571 | 241.572 | 0.100 | 1 | 80 | 10 | 1 | 0 |
| 3 | 247.574 | 253.576 | 0.100 | 1 | 80 | 10 | 1 | 0 |
| 4 | 260.578 | 265.579 | 0.084 | 1 | 80 | 10 | 1 | 0 |
| 5 | 273.582 | 279.583 | 0.100 | 1 | 80 | 10 | 1 | 0 |

Window # 10

Number of cycles: 10
Filament is ON
Multiplier is ON and set to -1294. volts

MID scan Desc: P7 Mass intervals: 5 Positive ion mode.
Scan time: 0.500 s Samp. int.: 0.200 ms Master rate: 128

| Int # | Lo mass | Hi mass | Time | MPW | MFW | MA | TH | BL |
|---|---|---|---|---|---|---|---|---|
| 1 | 224.567 | 229.569 | 0.084 | 1 | 80 | 10 | 1 | 0 |
| 2 | 235.571 | 241.572 | 0.100 | 1 | 80 | 10 | 1 | 0 |
| 3 | 247.574 | 253.576 | 0.100 | 1 | 80 | 10 | 1 | 0 |
| 4 | 260.578 | 265.579 | 0.084 | 1 | 80 | 10 | 1 | 0 |
| 5 | 273.582 | 279.583 | 0.100 | 1 | 80 | 10 | 1 | 0 |

| | | |
|---|---|---|
| Interface number | 0 | |
| Sub-interface number | 0 | |
| # of acqu buffers | 24 | |
| 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) | 128.00 | 128.00 |
| Resolution (low) | 128.00 | 128.00 |
| Ion energy | 1.33 | -4.00 |
| Ion programming | 8.00 | -4.00 |

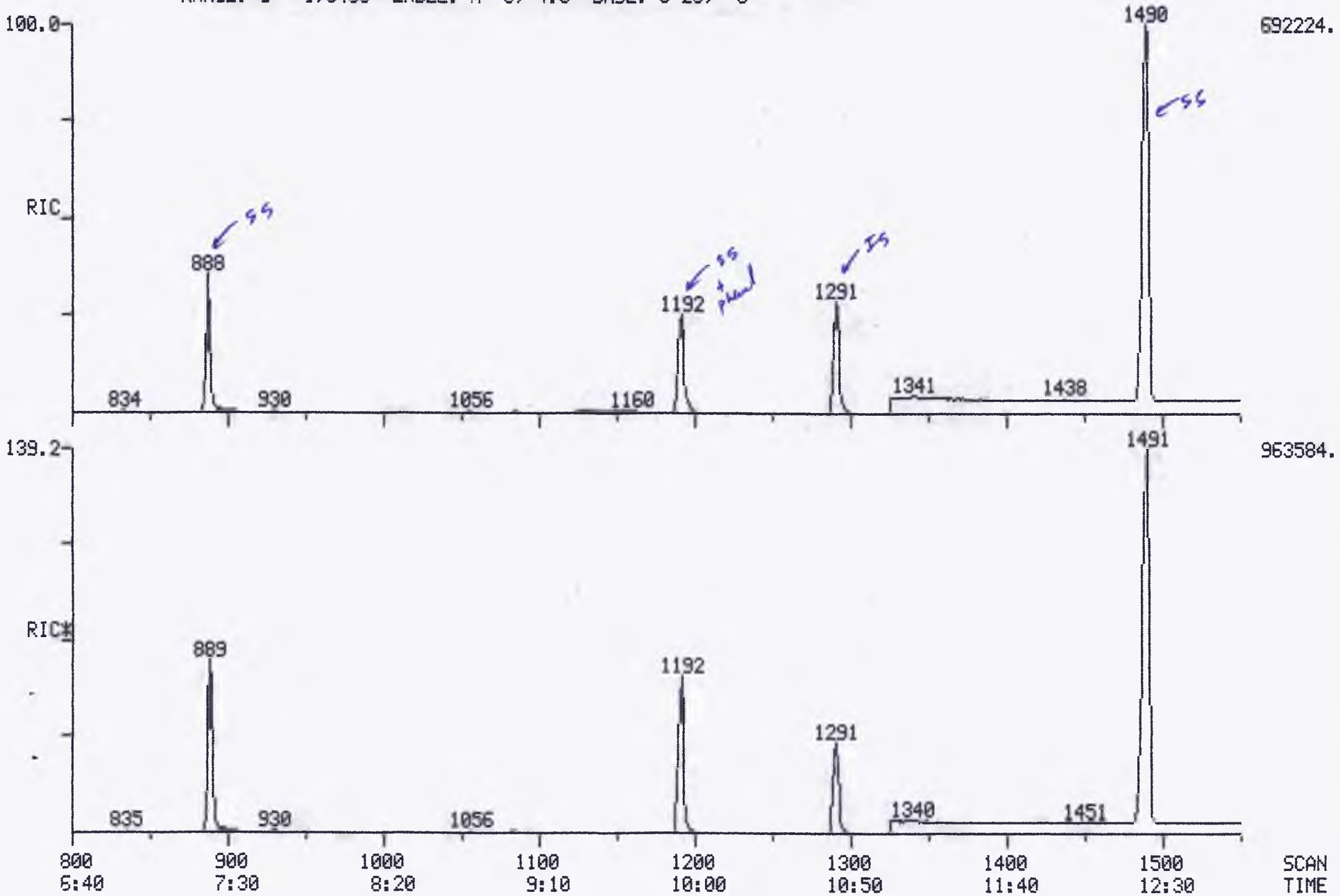
Extractor voltage 0.00 not used

Electron multiplier voltage: -1294.
Electrometer Range: 10 ^-7
Electrometer zero: 0.9

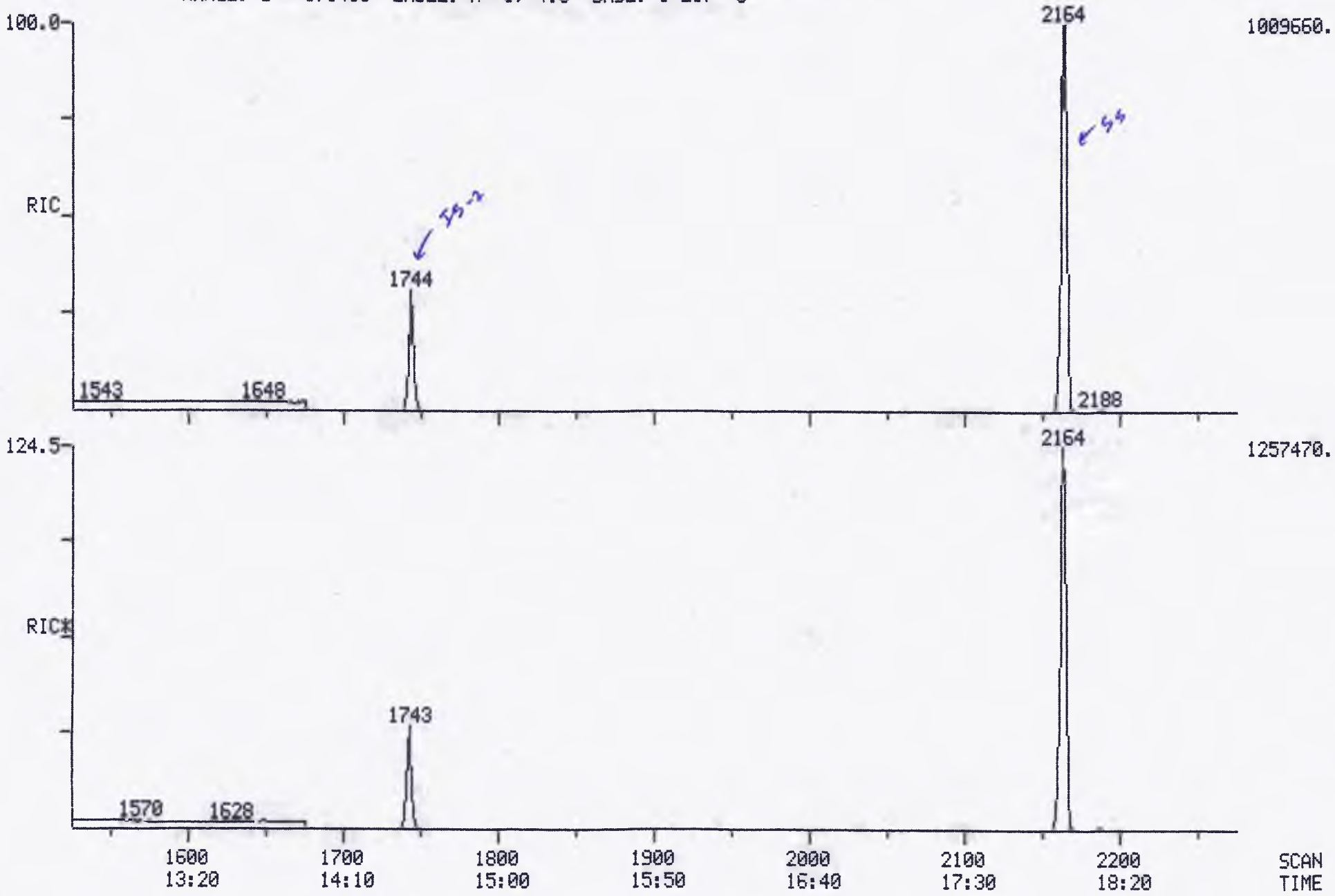
4/29/91 9:37:46
Acquisition completed
Scans 1 to 5400 centroid

| Mode | Scans | Secs | out of | % | Peaks per scan | per second | |
|---|---|---|---|---|---|---|---|
| Centroid | 5400 | 66.8 | 2700.0 | 2.5 | 14728. | 3. | 5. |

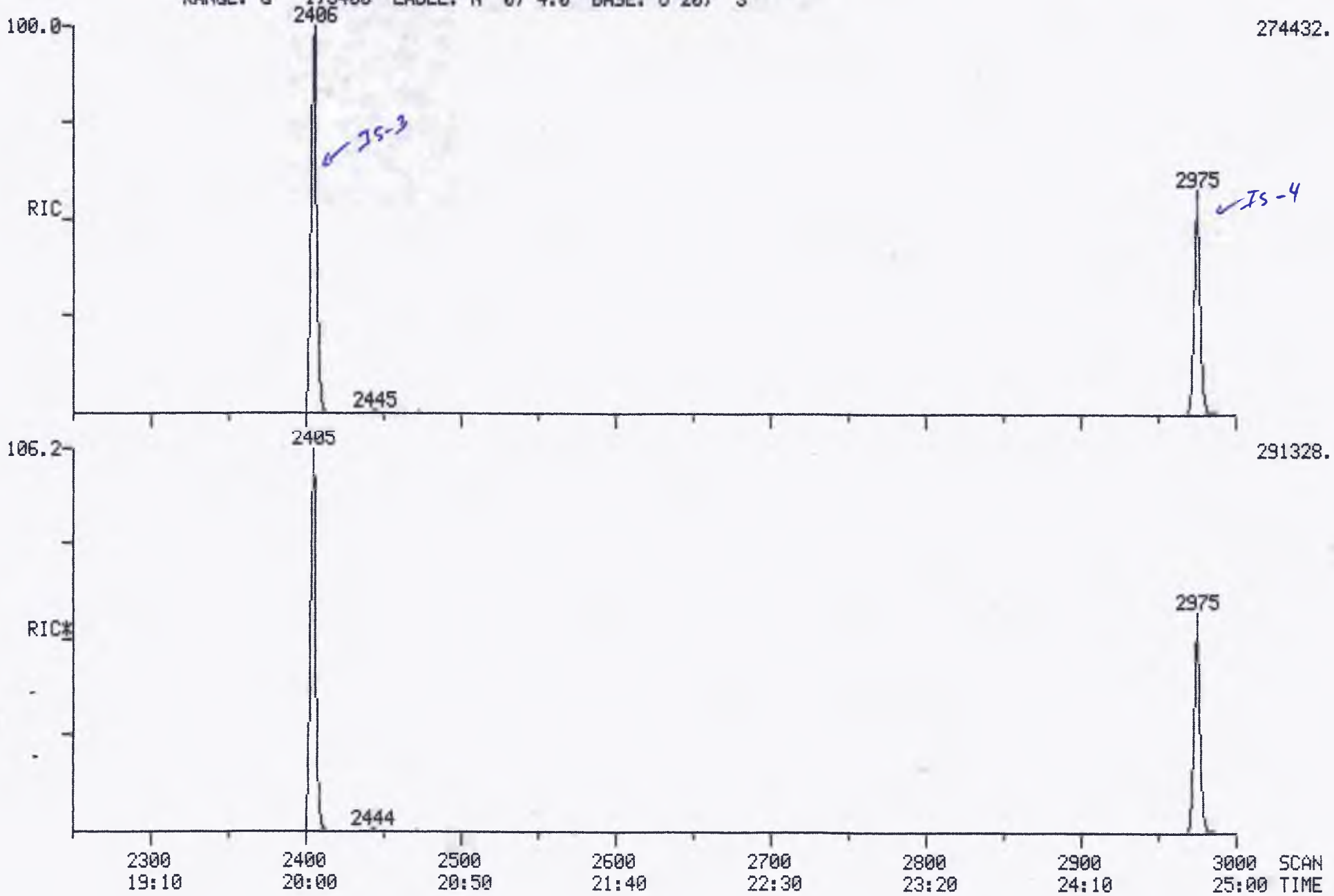
MID RIC DATA: W130150 #1,WBW1093
04/29/91 8:53:00 CALI: W130150 #5,WBW1093 #5 SCANS 800 TO 1550
SAMPLE: W130150 RIDGEFIELD 100% 1ML/2UL INJ
CONDS.: WDOE 35 DEG 2 MIN 50 DEG @ 5 MIN 320 DEG @ 8 DEG/MIN
RANGE: G 1,5400 LABEL: N 0, 4.0 BASE: U 20, 3



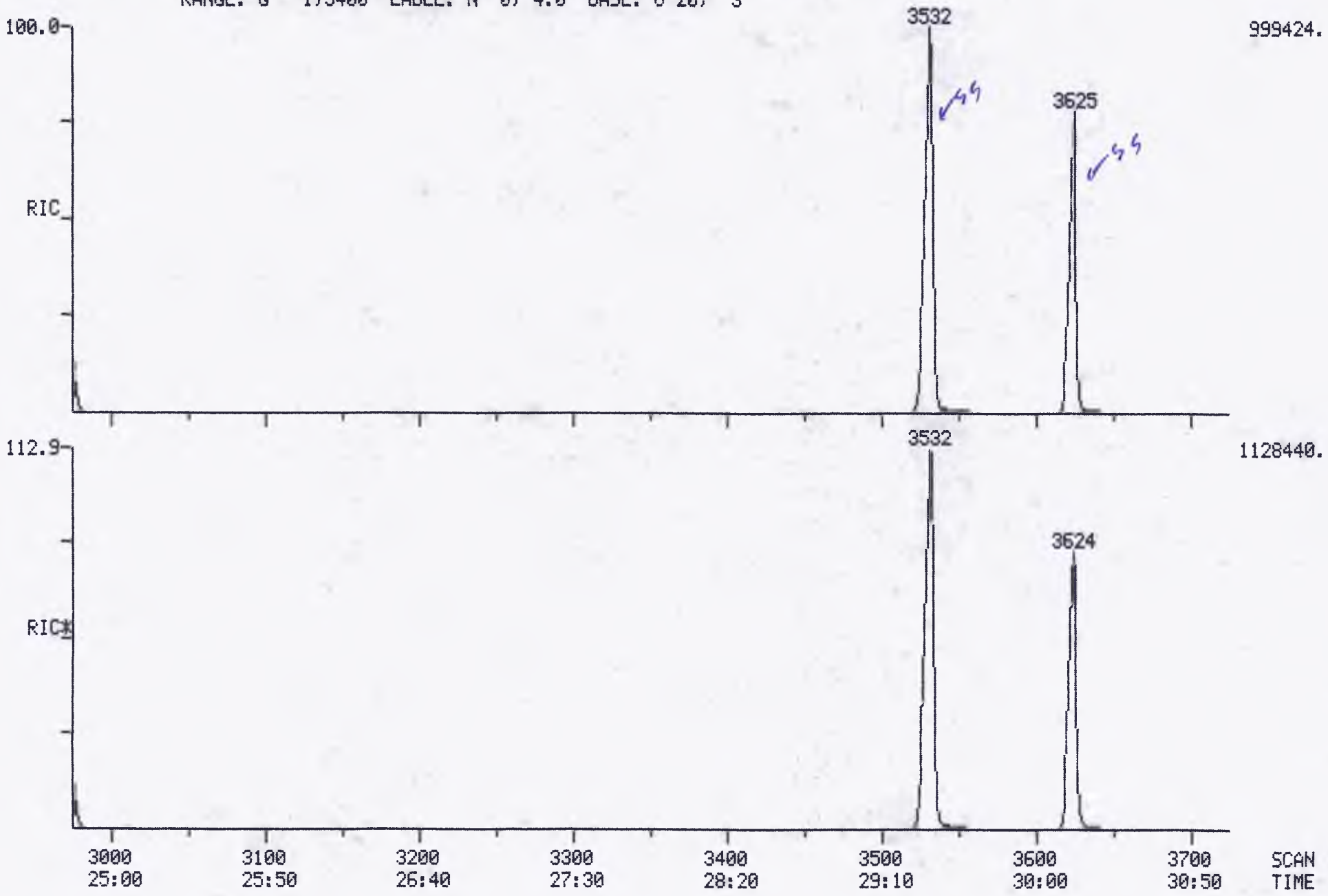
MID RIC DATA: W130150 #1,WBW1093
04/29/91 8:53:00 CALI: W130150 #5,WBW1093 #5 SCANS 1525 TO 2275
SAMPLE: W130150 RIDGEFIELD 100% 1ML/2UL INJ
CONDS.: WDOE 35 DEG 2 MIN 50 DEG @ 5 MIN 320 DEG @ 8 DEG/MIN
RANGE: G 1,5400 LABEL: N 0, 4.0 BASE: U 20, 3



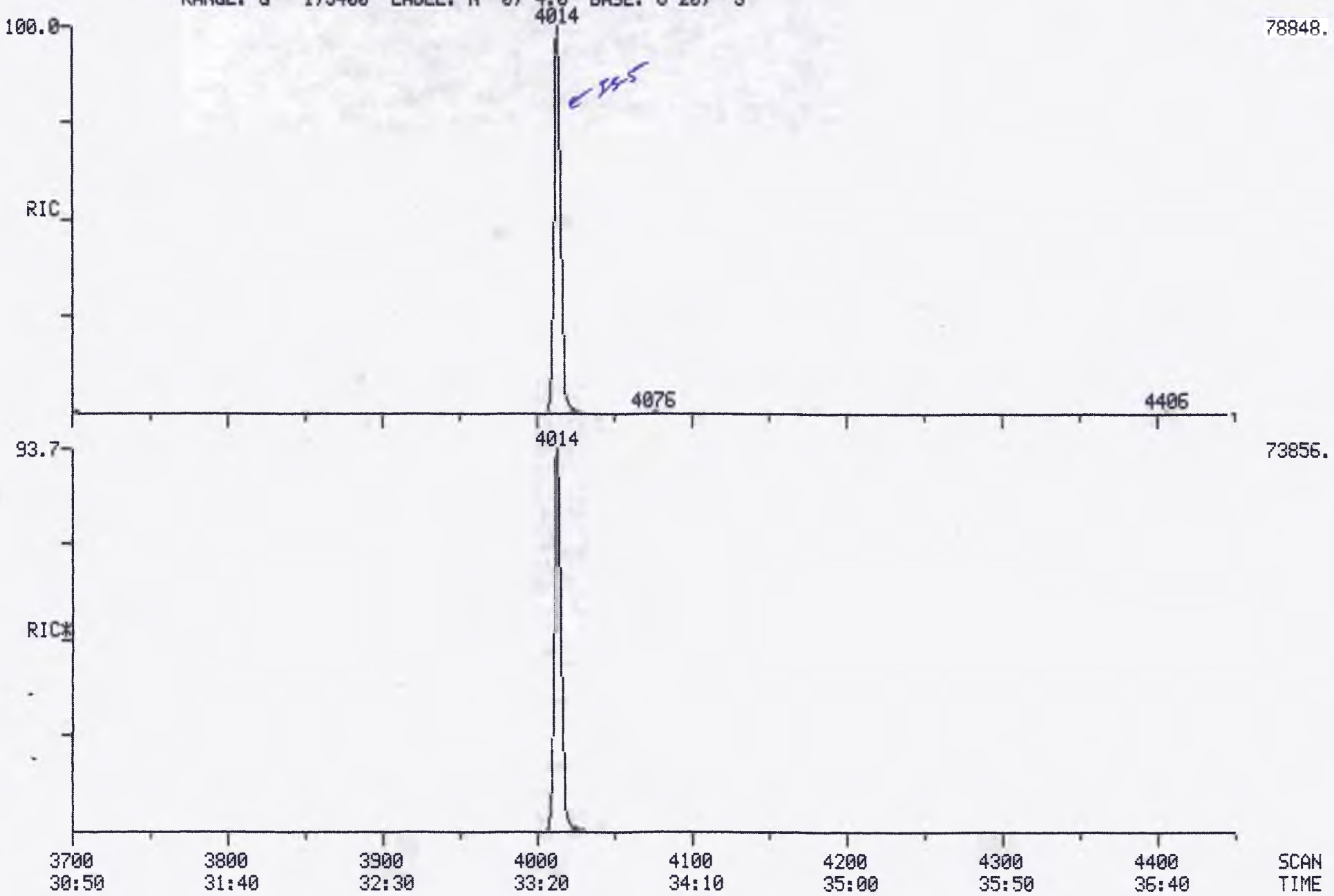
MID RIC DATA: W130150 #1,WBW1093
04/29/91 8:53:00 CALI: W130150 #5,WBW1093 #5 SCANS 2250 TO 3000
SAMPLE: W130150 RIDGEFIELD 100% 1ML/2UL INJ
CONDS.: WDOE 35 DEG 2 MIN 50 DEG @ 5 MIN 320 DEG @ 8 DEG/MIN
RANGE: G 1,5400 LABEL: N 0, 4.0 BASE: U 20, 3



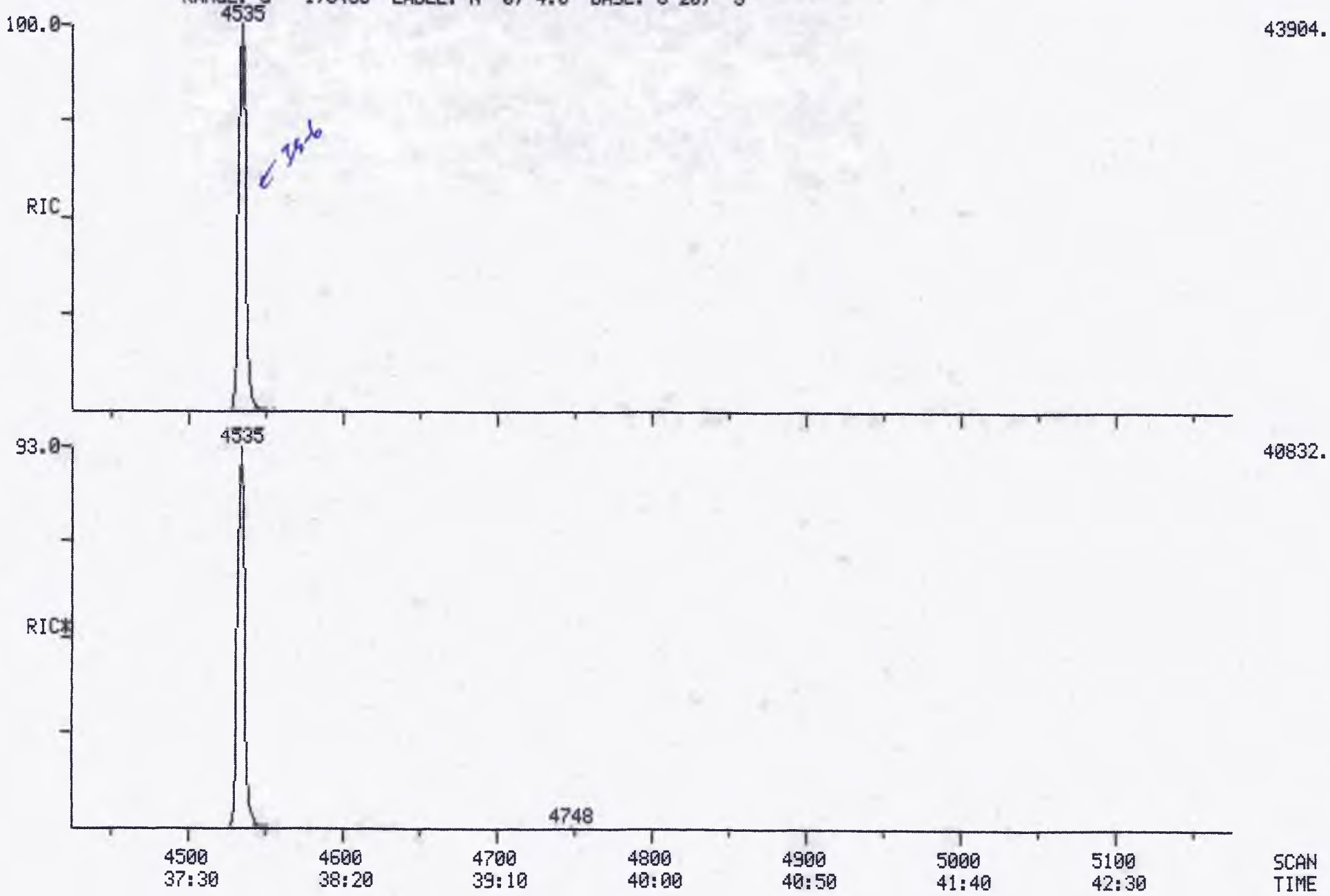
MID RIC DATA: W130150 #1,WBW1093
04/29/91 8:53:00 CALI: W130150 #5,WBW1093 #5 SCANS 2975 TO 3725
SAMPLE: W130150 RIDGEFIELD 100% 1ML/2UL INJ
CONDS.: WDOE 35 DEG 2 MIN 50 DEG @ 5 MIN 320 DEG @ 8 DEG/MIN
RANGE: G 1,5400 LABEL: N 0, 4.0 BASE: U 20, 3



MID RIC DATA: W130150 #1,WBW1093
04/29/91 8:53:00 CALI: W130150 #5,WBW1093 #5 SCANS 3700 TO 4450
SAMPLE: W130150 RIDGEFIELD 100% 1ML/2UL INJ
CONDS.: WDOE 35 DEG 2 MIN 50 DEG @ 5 MIN 320 DEG @ 8 DEG/MIN
RANGE: G 1,5400 LABEL: N 0, 4.0 BASE: U 20, 3

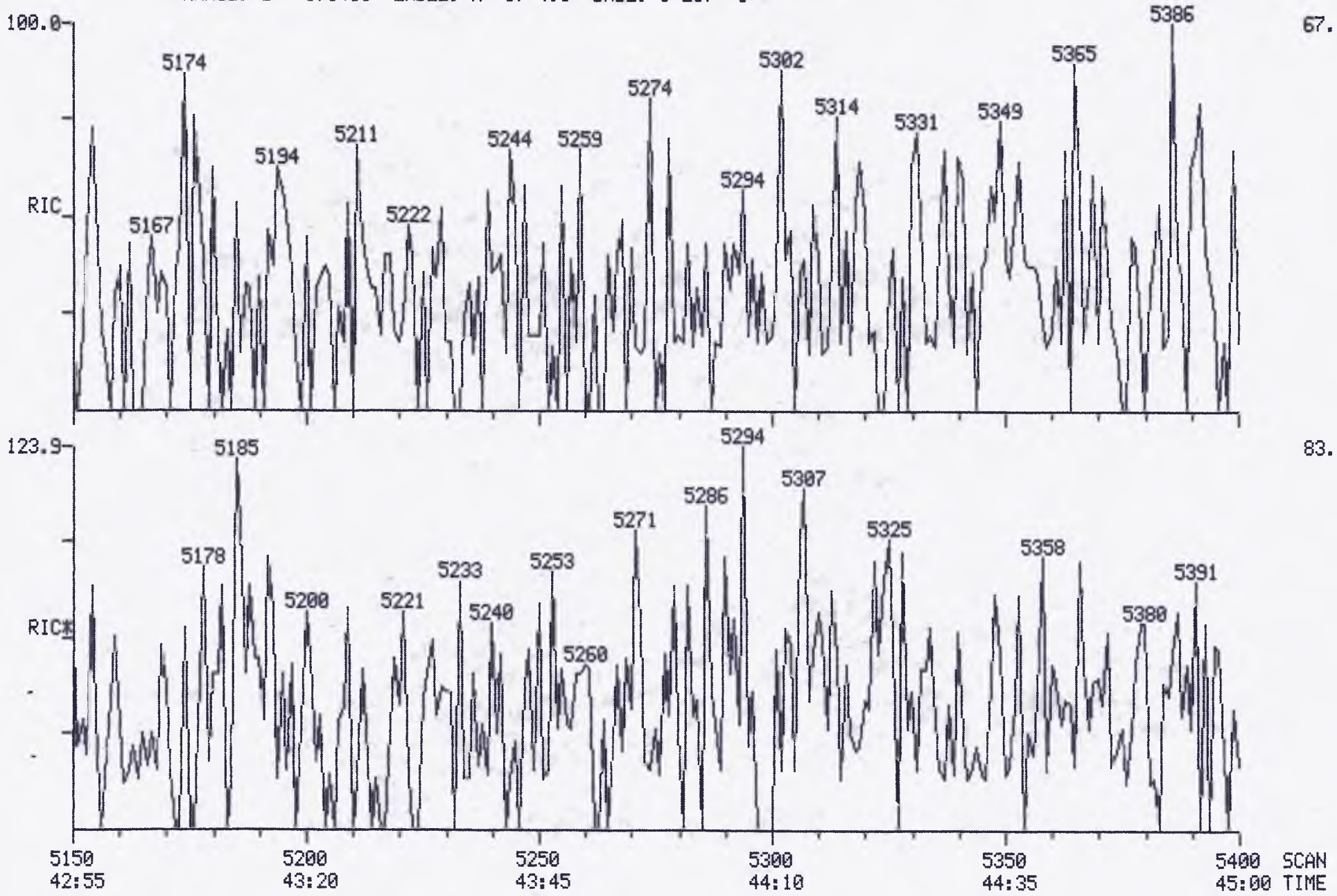


MID RIC
04/29/91 8:53:00 CALI: W130150 #5,WBW1093 #5 DATA: W130150 #1,WBW1093 SCANS 4425 TO 5175
SAMPLE: W130150 RIDGEFIELD 100% 1ML/2UL INJ
CONDS.: WDOE 35 DEG 2 MIN 50 DEG @ 5 MIN 320 DEG @ 8 DEG/MIN
RANGE: G 1,5400 LABEL: N 0, 4.0 BASE: U 20, 3

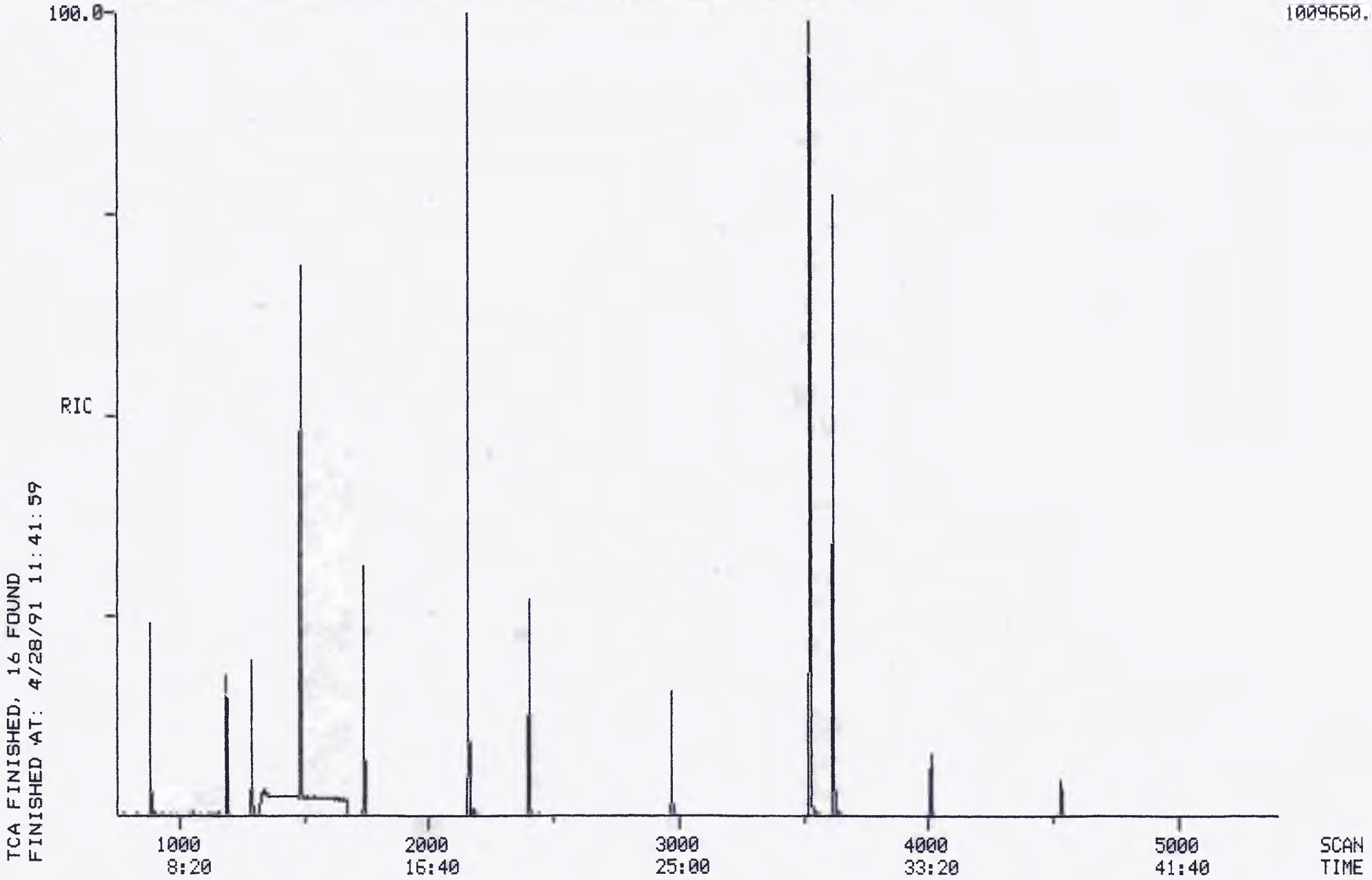


MID RIC
04/29/91 8:53:00 CALI: W130150 #5,WBW1093 #5
SAMPLE: W130150 RIDGEFIELD 100% 1ML/2UL INJ
CONDS.: WDOE 35 DEG 2 MIN 50 DEG @ 5 MIN 320 DEG @ 8 DEG/MIN
RANGE: G 1,5400 LABEL: N 0, 4.0 BASE: U 20, 3

DATA: W130150 #1,WBW1093
SCANS 5150 TO 5400



MIDRIC DATA: W130150 #1 SCANS 750 TO 5400
04/29/91 8:53:00 CALI: W130150 #5
SAMPLE: W130150 RIDGEFIELD 100% 1ML/2UL INJ
CONDS.: WDOE 35 DEG 2 MIN 50 DEG @ 5 MIN 320 DEG @ 8 DEG/MIN
RANGE: G 1,5400 LABEL: N 0, 4.0 QUAN: A 0, 1.0 J 0 BASE: U 20, 3



Quantitation Report File: W130150

Data: W130150.TI
04/29/91 8:53:00
Sample: W130150 RIDGEFIELD 100% 1ML/2UL INJ
Conds.: WDOE 35 DEG 2 MIN 50 DEG @ 5 MIN 320 DEG @ 8 DEG/MIN
Formula: WDF1119/ISSM1098A Instrument: 5100 Weight: 0.000
Submitted by: RGX-WDOE Analyst: RYA/WDOE Acct. No.: WAN1119

AMOUNT=AREA * REF AMNT/(REF AREA * RESP FACT)
Resp. fac. from linear fit to whole .RL

| No | Name |
|---|---|
| 1 | CI30 D4-1,4-DICHLOROBENZENE (IS-1) |
| 2 | CI40 D8-NAPHTHALENE (IS-2) |
| 3 | CI50 D10-ACENAPHTHENE (IS-3) |
| 4 | CI60 D10-PHENANTHRENE (IS-4) |
| 5 | CI70 D12-CHRYSENE (IS-5) |
| 6 | CI75 D12-PERYLENE (IS-6) |
| 7 | CS50 2-FLUOROPHENOL (SS) |
| 8 | CS45 D5-PHENOL (SS) |
| 9 | C315 PHENOL |
| 10 | C330 2-CHLOROPHENOL |
| 11 | C355 2-METHYLPHENOL |
| 12 | C365 4-METHYLPHENOL |
| 13 | CS20 D5-NITROBENZENE (SS) |
| 14 | C420 2-NITROPHENOL |
| 15 | C425 2,4-DIMETHYLPHENOL |
| 16 | C440 2,4-DICHLOROPHENOL |
| 17 | C450 NAPHTHALENE |
| 18 | C465 4-CHLORO-3-METHYLPHENOL |
| 19 | C470 2-METHYLNAPHTHALENE |
| 20 | C475 1-METHYLNAPHTHALENE |
| 21 | C515 2,4,6-TRICHLOROPHENOL |
| 22 | C520 2,4,5-TRICHLOROPHENOL |
| 23 | CS25 2-FLUOROBIPHENYL (SS) |
| 24 | C525 2-CHLORONAPHTHALENE |
| 25 | C540 ACENAPHTHYLENE |
| 26 | C550 ACENAPHTHENE |
| 27 | C555 2,4-DINITROPHENOL |
| 28 | C565 DIBENZOFURAN |
| 29 | C560 4-NITROPHENOL |
| 30 | C590 9H-FLUORENE |
| 31 | CS55 2,4,6-TRIBROMOPHENOL (SS) |
| 32 | C610 4,6-DINITRO-2-METHYLPHENOL |
| 33 | C635 PENTACHLOROPHENOL |
| 34 | C640 PHENANTHRENE |
| 35 | C645 ANTHRACENE |
| 36 | C647 9H-CARBAZOLE |
| 37 | C655 FLUORANTHENE |
| 38 | CS35 D10-PYRENE (SS) |
| 39 | C715 PYRENE |
| 40 | CS30 D14-TERPHENYL (SS) |
| 41 | C717 RETENE(1-METHYL-7-(1-METHYLETHYL)-PHENANTHRENE) |
| 42 | C730 BENZO(A)ANTHRACENE |
| 43 | C740 CHRYSENE |
| 44 | C765 BENZO(B)FLUORANTHENE |
| 45 | C770 BENZO(K)FLUORANTHENE |
| 46 | C775 BENZO(A)PYRENE |
| 47 | C780 INDENO(1,2,3-CD)PYRENE |

| No | Name |
|---|---|
| 48 | C785 DIBENZ(A,H)ANTHRACENE |
| 49 | C790 BENZO(G,H,I)PERYLENE |

| No | m/z | Scan | Time | Ref | RRT | Meth | Area(Hght) | Amount | %Tot |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 152 | 1291 | 10:46 | 1 | 1.000 | A BB | 218660 | 5.000 UG/ML | 2.67 |
| 2 | 136 | 1744 | 14:32 | 2 | 1.000 | A BB | 837722 | 5.000 UG/ML | 2.67 |
| 3 | 164 | 2406 | 20:03 | 3 | 1.000 | A BB | 421030 | 5.000 UG/ML | 2.67 |
| 4 | 188 | 2975 | 24:48 | 4 | 1.000 | A BB | 517171 | 5.000 UG/ML | 2.67 |
| 5 | 240 | 4014 | 33:27 | 5 | 1.000 | A BB | 218678 | 5.000 UG/ML | 2.67 |
| 6 | 264 | 4535 | 37:48 | 6 | 1.000 | A BB | 173736 | 5.000 UG/ML | 2.67 |
| 7 | 112 | 888 | 7:24 | 1 | 0.688 | A BB | 776570 | 15.466 UG/ML | 8.25 |
| 8 | 99 | 1192 | 9:56 | 1 | 0.923 | A BB | 604746 | 9.069 UG/ML | 4.84 |
| 9 | 94 | 1196 | 9:58 | 1 | 0.926 | A BB | 18178 2.3x7x6 | 0.366 UG/ML | 0.20 |
| 10 | 128 | 1221 | 10:11 | 1 | 0.946 | A BB | 76 | 0.003 UG/ML | 0.00 |
| 11 | NOT FOUND | | | | | | | | |
| 12 | 108 | 1457 | 12:09 | 1 | 1.127 | A BB | 33 | 0.001 UG/ML | 0.00 |
| 13 | 82 | 1491 | 12:26 | 2 | 0.855 | A BB | 1844140 | 25.306 UG/ML | 13.50 |
| 14 | NOT FOUND | | | | | | | | |
| 15 | NOT FOUND | | | | | | | | |
| 16 | NOT FOUND | | | | | | | | |
| 17 | 128 | 1751 | 14:36 | 2 | 1.004 | A BB | 2638 | 0.018 UG/ML | 0.01 |
| 18 | NOT FOUND | | | | | | | | |
| 19 | 142 | 2013 | 16:47 | 2 | 1.154 | A BB | 290 weak | 0.003 UG/ML | 0.00 |
| 20 | 142 | 2049 | 17:05 | 2 | 1.175 | A BB | 55 | 0.001 UG/ML | 0.00 |
| 21 | NOT FOUND | | | | | | | | |
| 22 | NOT FOUND | | | | | | | | |
| 23 | 172 | 2164 | 18:02 | 3 | 0.899 | A BB | 2415710 | 22.816 UG/ML | 12.17 |
| 24 | NOT FOUND | | | | | | | | |
| 25 | NOT FOUND | | | | | | | | |
| 26 | NOT FOUND | | | | | | | | |
| 27 | NOT FOUND | | | | | | | | |
| 28 | 168 | 2485 | 20:43 | 3 | 1.033 | A BB | 91 | 0.001 UG/ML | 0.00 |
| 29 | NOT FOUND | | | | | | | | |
| 30 | NOT FOUND | | | | | | | | |
| 31 | NOT FOUND | | | | | | | | |
| 32 | NOT FOUND | | | | | | | | |
| 33 | NOT FOUND | | | | | | | | |
| 34 | 178 | 2984 | 24:52 | 4 | 1.003 | A BB | 360 3,6x7 | 0.004 UG/ML | 0.00 |
| 35 | NOT FOUND | | | | | | | | |
| 36 | 167 | 3078 | 25:39 | 4 | 1.035 | A BB | 326 | 0.012 UG/ML | 0.01 |
| 37 | 202 | 3448 | 28:44 | 4 | 1.159 | A BB | 789 | 0.019 UG/ML | 0.01 |
| 38 | 212 | 3532 | 29:26 | 5 | 0.880 | A BB | 3327690 | 41.948 UG/ML | 22.38 |
| 39 | NOT FOUND | | | | | | | | |
| 40 | 244 | 3625 | 30:13 | 5 | 0.903 | A BB | 2411940 | 42.212 UG/ML | 22.52 |
| 41 | NOT FOUND | | | | | | | | |
| 42 | 228 | 4013 | 33:27 | 5 | 1.000 | A BB | 1237 weak | 0.049 UG/ML | 0.03 |
| 43 | 228 | 4023 | 33:32 | 5 | 1.002 | A BB | 970 | 0.025 UG/ML | 0.01 |
| 44 | 252 | 4406 | 36:43 | 6 | 0.972 | A BV | 962 | 0.053 UG/ML | 0.03 |
| 45 | 252 | 4416 | 36:48 | 6 | 0.974 | A VB | 914 | 0.051 UG/ML | 0.03 |
| 46 | 252 | 4515 | 37:38 | 6 | 0.996 | A BB | 113 | 0.009 UG/ML | 0.00 |
| 47 | 276 | 4881 | 40:41 | 6 | 1.076 | A BB | 196 | 0.017 UG/ML | 0.01 |
| 48 | NOT FOUND | | | | | | | | |
| 49 | 276 | 4973 | 41:27 | 6 | 1.097 | A*BB | 175 | 0.011 UG/ML | 0.01 |

| No | Ret(L) | Ratio | RRT(L) | Ratio | Amnt | Amnt(L) | R.Fac | R.Fac(L) | Ratio |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 10:47 | 1.00 | 1.000 | 1.00 | 5.00 | 5.00 | 1.000 | 1.000 | 1.00 |
| 2 | 14:34 | 1.00 | 1.000 | 1.00 | 5.00 | 5.00 | 1.000 | 1.000 | 1.00 |
| 3 | 20:04 | 1.00 | 1.000 | 1.00 | 5.00 | 5.00 | 1.000 | 1.000 | 1.00 |
| 4 | 24:49 | 1.00 | 1.000 | 1.00 | 5.00 | 5.00 | 1.000 | 1.000 | 1.00 |
| 5 | 33:29 | 1.00 | 1.000 | 1.00 | 5.00 | 5.00 | 1.000 | 1.000 | 1.00 |
| 6 | 37:49 | 1.00 | 1.000 | 1.00 | 5.00 | 5.00 | 1.000 | 1.000 | 1.00 |
| 7 | 7:25 | 1.00 | 0.688 | 1.00 | 15.47 | 20.00 | 0.905 | 1.170 | 0.77 |
| 8 | 9:58 | 1.00 | 0.925 | 1.00 | 9.07 | 20.00 | 0.791 | 1.745 | 0.45 |
| 9 | 10:01 | 1.00 | 0.929 | 1.00 | 0.37 | 20.00 | 0.036 | 1.972 | 0.02 |
| 10 | 10:12 | 1.00 | 0.946 | 1.00 | 0.00 | 20.00 | 0.000 | 1.329 | 0.00 |
| 11 | 11:42 | | 1.085 | | | | | | |
| 12 | 12:11 | 1.00 | 1.130 | 1.00 | 0.00 | 20.00 | 0.000 | 1.602 | 0.00 |
| 13 | 12:26 | 1.00 | 0.854 | 1.00 | 25.31 | 20.00 | 0.479 | 0.378 | 1.27 |
| 14 | 13:27 | | 0.924 | | | | | | |
| 15 | 13:46 | | 0.946 | | | | | | |
| 16 | 14:13 | | 0.977 | | | | | | |
| 17 | 14:38 | 1.00 | 1.005 | 1.00 | 0.02 | 20.00 | 0.001 | 1.077 | 0.00 |
| 18 | 16:33 | | 1.136 | | | | | | |
| 19 | 16:49 | 1.00 | 1.155 | 1.00 | 0.00 | 20.00 | 0.000 | 0.931 | 0.00 |
| 20 | 17:06 | 1.00 | 1.175 | 1.00 | 0.00 | 20.00 | 0.000 | 0.426 | 0.00 |
| 21 | 17:46 | | 0.885 | | | | | | |
| 22 | 17:51 | | 0.890 | | | | | | |
| 23 | 18:03 | 1.00 | 0.900 | 1.00 | 22.82 | 20.00 | 1.393 | 1.221 | 1.14 |
| 24 | 18:19 | | 0.913 | | | | | | |
| 25 | 19:36 | | 0.977 | | | | | | |
| 26 | 20:11 | | 1.006 | | | | | | |
| 27 | 20:26 | | 1.018 | | | | | | |
| 28 | 20:45 | 1.00 | 1.034 | 1.00 | 0.00 | 20.00 | 0.000 | 1.577 | 0.00 |
| 29 | 20:46 | | 1.035 | | | | | | |
| 30 | 21:51 | | 1.089 | | | | | | |
| 31 | 22:37 | | 1.127 | | | | | | |
| 32 | 22:09 | | 0.892 | | | | | | |
| 33 | 24:17 | | 0.979 | | | | | | |
| 34 | 24:55 | 1.00 | 1.004 | 1.00 | 0.00 | 20.00 | 0.000 | 1.257 | 0.00 |
| 35 | 25:04 | | 1.010 | | | | | | |
| 36 | 25:41 | 1.00 | 1.035 | 1.00 | 0.01 | 20.00 | 0.000 | 0.398 | 0.00 |
| 37 | 28:47 | 1.00 | 1.160 | 1.00 | 0.02 | 20.00 | 0.001 | 1.056 | 0.00 |
| 38 | 29:26 | 1.00 | 0.879 | 1.00 | 41.95 | 20.00 | 3.044 | 1.451 | 2.10 |
| 39 | 29:30 | | 0.881 | | | | | | |
| 40 | 30:12 | 1.00 | 0.902 | 1.00 | 42.21 | 20.00 | 2.010 | 0.953 | 2.11 |
| 41 | 30:36 | | 0.914 | | | | | | |
| 42 | 33:28 | 1.00 | 0.999 | 1.00 | 0.05 | 20.00 | 0.003 | 1.277 | 0.00 |
| 43 | 33:35 | 1.00 | 1.003 | 1.00 | 0.03 | 20.00 | 0.002 | 1.221 | 0.00 |
| 44 | 36:46 | 1.00 | 0.972 | 1.00 | 0.05 | 20.00 | 0.004 | 1.459 | 0.00 |
| 45 | 36:52 | 1.00 | 0.975 | 1.00 | 0.05 | 20.00 | 0.003 | 1.340 | 0.00 |
| 46 | 37:41 | 1.00 | 0.996 | 1.00 | 0.01 | 20.00 | 0.001 | 1.223 | 0.00 |
| 47 | 40:45 | 1.00 | 1.078 | 1.00 | 0.02 | 20.00 | 0.001 | 0.979 | 0.00 |
| 48 | 40:52 | | 1.080 | | | | | | |
| 49 | 41:33 | 1.00 | 1.099 | 1.00 | 0.01 | 20.00 | 0.001 | 0.974 | 0.00 |

PROCEDURE: TCA DIAGNOSTIC REPORT 4/28/91 11:36:58
DATA FILE: W130150
REFERENCE: BNA11
NAME LIST: LLBNA INITIALIZATION OPTION: 2 PROCESSING OPTION: 3
REPORT: LLBNAX

| < ---- STANDARDS ----- >< | | | | --- PLUS UNKNOWNS --- >< | | | | - LIST NAMES - > |
|---|---|---|---|---|---|---|---|---|
| PROC | USED | POSS | RMS | PROC | USED | POSS | RMS | STANDARD/UNKNOWN |
| 6 | 6 | 2 | 52 | 12 | 9 | 1 | 51 | LLBNAX/LLBNA1 |
| 1 | 1 | 1 | 0 | 9 | 4 | 1 | 86 | LLBNAX2/LLBNA2 |
| 1 | 1 | 1 | 0 | 6 | 2 | 1 | 0 | LLBNAX3/LLBNA3 |
| 1 | 1 | 1 | 0 | 7 | 1 | 1 | 0 | LLBNAX3/LLBNA4 |
| 1 | 1 | 1 | 0 | 7 | 1 | 1 | 0 | LLBNAX4/LLBNA5 |
| 1 | 1 | 1 | 0 | 7 | 4 | 1 | 2 | LLBNAX5/LLBNA6 |
| 1 | 1 | 1 | 0 | 7 | 1 | 1 | 0 | LLBNAX6/LLBNA7 |

49 COMPOUNDS PROCESSED, 16 FOUND

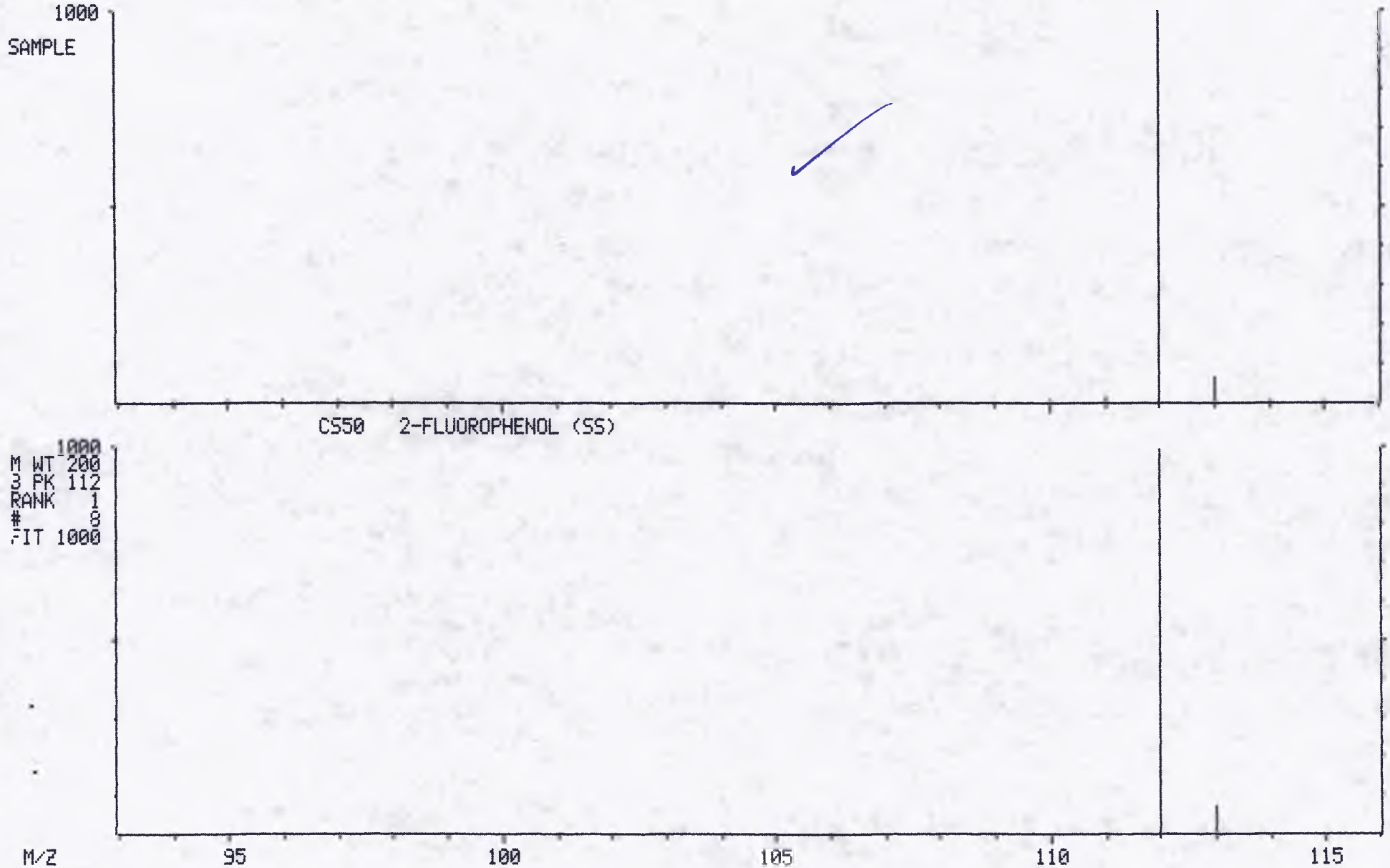
| < COMPOUND >< | | | ---------- SEARCH ---------- >< SAT >< | | | | | | | ------ CHRO ------- > | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| NO | LIB | ENTRY | REF | PRED | SEL | DELTA | PEAKS | FIT | PEAKS | M/Z | TOP | DELTA | PEAKS |
| 1 | LL | 1 | -1289 | 1291 | 1291 | . | 1 | 949 | . | 152 | 1291 | . | 1 |
| 2 | LL | 2 | -1741 | 1743 | 1744 | 1 | 1 | 993 | . | 136 | 1744 | . | 1 |
| 3 | LL | 3 | -2403 | 2406 | 2406 | . | 1 | 979 | . | 164 | 2406 | . | 1 |
| 4 | LL | 4 | -2973 | 2976 | 2975 | -1 | 1 | 905 | . | 188 | 2975 | . | 1 |
| 5 | LL | 5 | -4011 | 4014 | 4014 | . | 1 | 972 | . | 240 | 4014 | . | 1 |
| 6 | LL | 6 | -4532 | 4535 | 4535 | . | 2 | 982 | . | 264 | 4535 | . | 1 |
| 7 | LL | 8 | -886 | 889 | 888 | -1 | 1 | 996 | . | 112 | 888 | . | 1 |
| 8 | LL | 10 | -1189 | 1192 | 1192 | . | 1 | 997 | . | 99 | 1192 | . | 1 |
| 9 | LL | 11 | -1193 | 1196 | 1196 | . | 1 | 1000 | . | 94 | 1196 | . | 1 |
| 10 | LL | 14 | -1218 | 1221 | . | . | . | . | . | 128 | 1221 | . | 1 |
| 11 | LL | 20 | -1396 | 1399 | . | . | . | . | . | 108 | . | . | . |
| 12 | LL | 24 | -1454 | 1457 | . | . | . | . | . | 108 | 1457 | . | 1 |
| 13 | LL | 25 | -1485 | 1489 | 1490 | 1 | 1 | 997 | . | 82 | 1491 | 1 | 1 |
| 14 | LL | 28 | -1607 | 1611 | . | . | . | . | . | 139 | . | . | . |
| 15 | LL | 29 | -1645 | 1649 | . | . | . | . | . | 107 | . | . | . |
| 16 | LL | 31 | -1699 | 1702 | . | . | . | . | . | 162 | . | . | . |
| 17 | LL | 34 | -1749 | 1752 | 1751 | -1 | 1 | 968 | . | 128 | 1751 | . | 1 |
| 18 | LL | 38 | -1979 | 1981 | . | . | . | . | . | 107 | . | . | . |
| 19 | LL | 39 | -2011 | 2012 | 2013 | 1 | 1 | 863 | . | 142 | 2013 | . | 1 |
| 20 | LL | 40 | -2046 | 2047 | . | . | . | . | . | 142 | 2049 | . | 1 |
| 21 | LL | 42 | -2126 | 2130 | . | . | . | . | . | 196 | . | . | . |
| 22 | LL | 43 | -2136 | 2140 | . | . | . | . | . | 196 | . | . | . |
| 23 | LL | 44 | -2160 | 2164 | 2164 | . | 1 | 997 | . | 172 | 2164 | . | 1 |
| 24 | LL | 45 | -2192 | 2196 | . | . | . | . | . | 162 | . | . | . |
| 25 | LL | 48 | -2346 | 2349 | . | . | . | . | . | 152 | . | . | . |
| 26 | LL | 51 | -2415 | 2418 | . | . | . | . | . | 153 | . | . | . |
| 27 | LL | 52 | -2445 | 2448 | . | . | . | . | . | 184 | . | . | . |
| 28 | LL | 54 | -2483 | 2486 | . | . | . | . | . | 168 | 2485 | . | 1 |
| 29 | LL | 55 | -2485 | 2488 | . | . | . | . | . | 109 | . | . | . |
| 30 | LL | 58 | -2615 | 2618 | . | . | . | . | . | 166 | . | . | . |
| 31 | LL | 63 | -2707 | 2710 | . | . | . | . | . | 330 | . | . | . |
| 32 | LL | 64 | -2650 | 2652 | . | . | . | . | . | 198 | . | . | . |
| 33 | LL | 68 | -2908 | 2910 | . | . | . | . | . | 266 | . | . | . |
| 34 | LL | 69 | -2982 | 2984 | . | . | . | . | . | 178 | 2984 | . | 1 |
| 35 | LL | 70 | -3001 | 3003 | . | . | . | . | . | 178 | . | . | . |
| 36 | LL | 71 | -3075 | 3077 | 3078 | . | . | . | . | 167 | 3078 | . | 1 |
| 37 | LL | 73 | -3447 | 3449 | 3449 | . | . | . | . | 202 | 3448 | . | 1 |
| 38 | LL | 75 | -3524 | 3532 | 3532 | . | 1 | 969 | . | 212 | 3532 | . | 1 |
| 39 | LL | 76 | -3532 | 3540 | . | . | . | . | . | 202 | . | . | . |
| 40 | LL | 77 | -3618 | 3625 | 3625 | . | 1 | 983 | . | 244 | 3625 | . | 1 |
| 41 | LL | 78 | -3665 | 3672 | . | . | . | . | . | 219 | . | . | . |
| 42 | LL | 80 | -4008 | 4011 | 4011 | . | 1 | 866 | . | 228 | 4013 | 2 | 1 |
| 43 | LL | 82 | -4022 | 4025 | . | . | . | . | . | 228 | 4023 | . | 1 |
| 44 | LL | 85 | -4404 | 4407 | 4406 | . | . | . | . | 252 | 4406 | . | 1 |

| | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 46 | LL | 87 | -4512 | 4515 | . | . | . | . | . | 252 | 4515 | . | 1 |
| 47 | LL | 88 | -4879 | 4882 | . | . | . | . | . | 276 | 4881 | . | 1 |
| 48 | LL | 90 | -4891 | 4894 | . | . | . | . | . | 278 | . | . | . |
| 49 | LL | 91 | -4972 | 4975 | . | . | . | . | . | 276 | 4973 | . | 2 |

MID LIBRARY SEARCH
04/29/91 8:53:00 + 7:24
SAMPLE: W130150 RIDGEFIELD 100% 1ML/2UL INJ
CONDS.: WDOE 35 DEG 2 MIN 50 DEG @ 5 MIN 320 DEG @ 8 DEG/MIN
ENHANCED (S 15B 2N 0T)

DATA: W130150 # 888
CALI: W130150 # 5

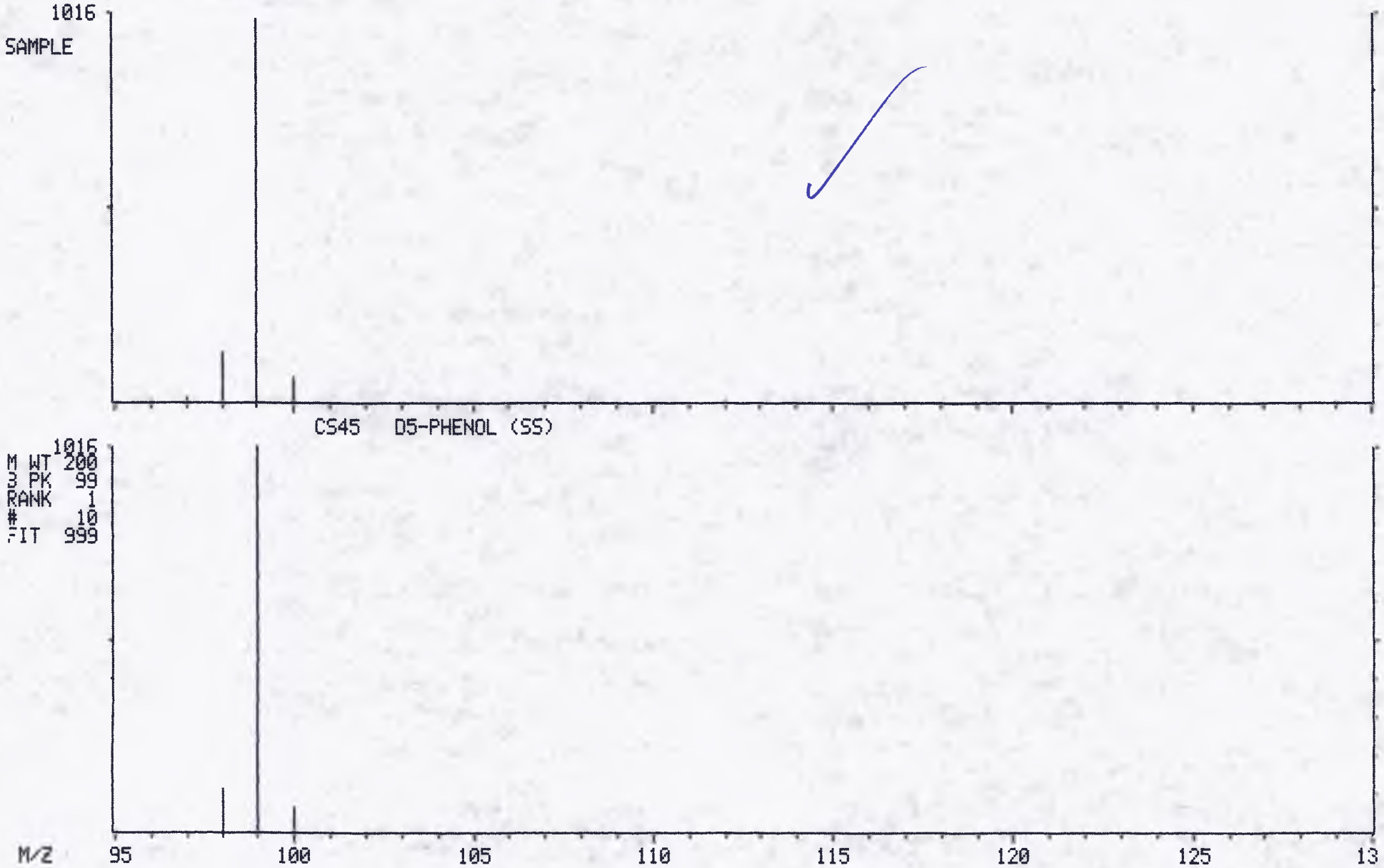
BASE M/Z: 112
RIC: 223231.



MID LIBRARY SEARCH
04/29/91 8:53:00 + 9:56
SAMPLE: W130150 RIDGEFIELD 100% 1ML/2UL INJ
CONDS.: WDOE 35 DEG 2 MIN 50 DEG @ 5 MIN 320 DEG @ 8 DEG/MIN
ENHANCED (S 15B 2N 0T)

DATA: W130150 #1192
CALI: W130150 # 5

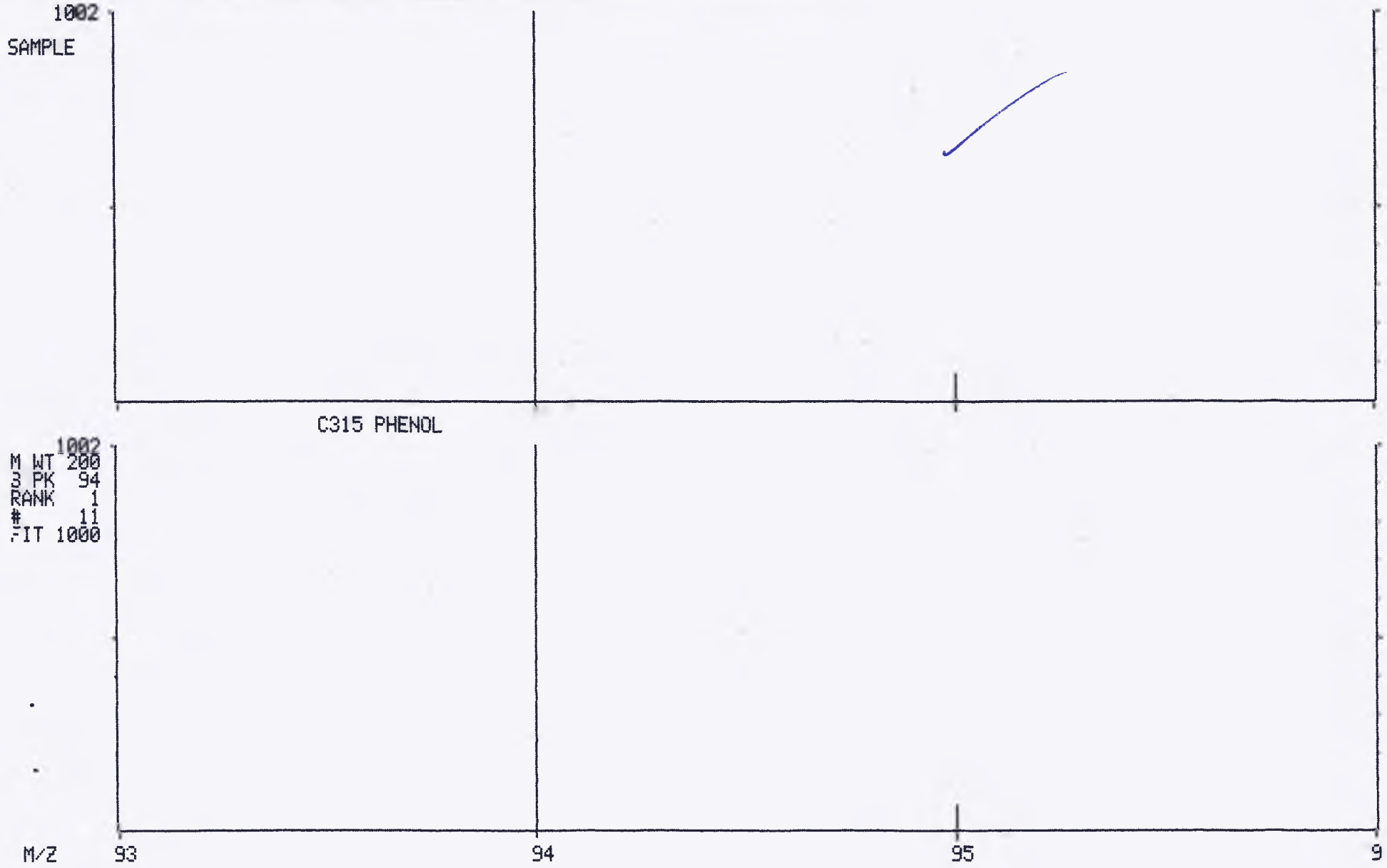
BASE M/Z: 99
RIC: 168191.



MID LIBRARY SEARCH
04/29/91 8:53:00 + 9:58
SAMPLE: W130150 RIDGEFIELD 100% 1ML/2UL INJ
CONDS.: WDOE 35 DEG 2 MIN 50 DEG @ 5 MIN 320 DEG @ 8 DEG/MIN
ENHANCED (S 15B 2N 0T)

DATA: W130150 #1196
CALI: W130150 # 5

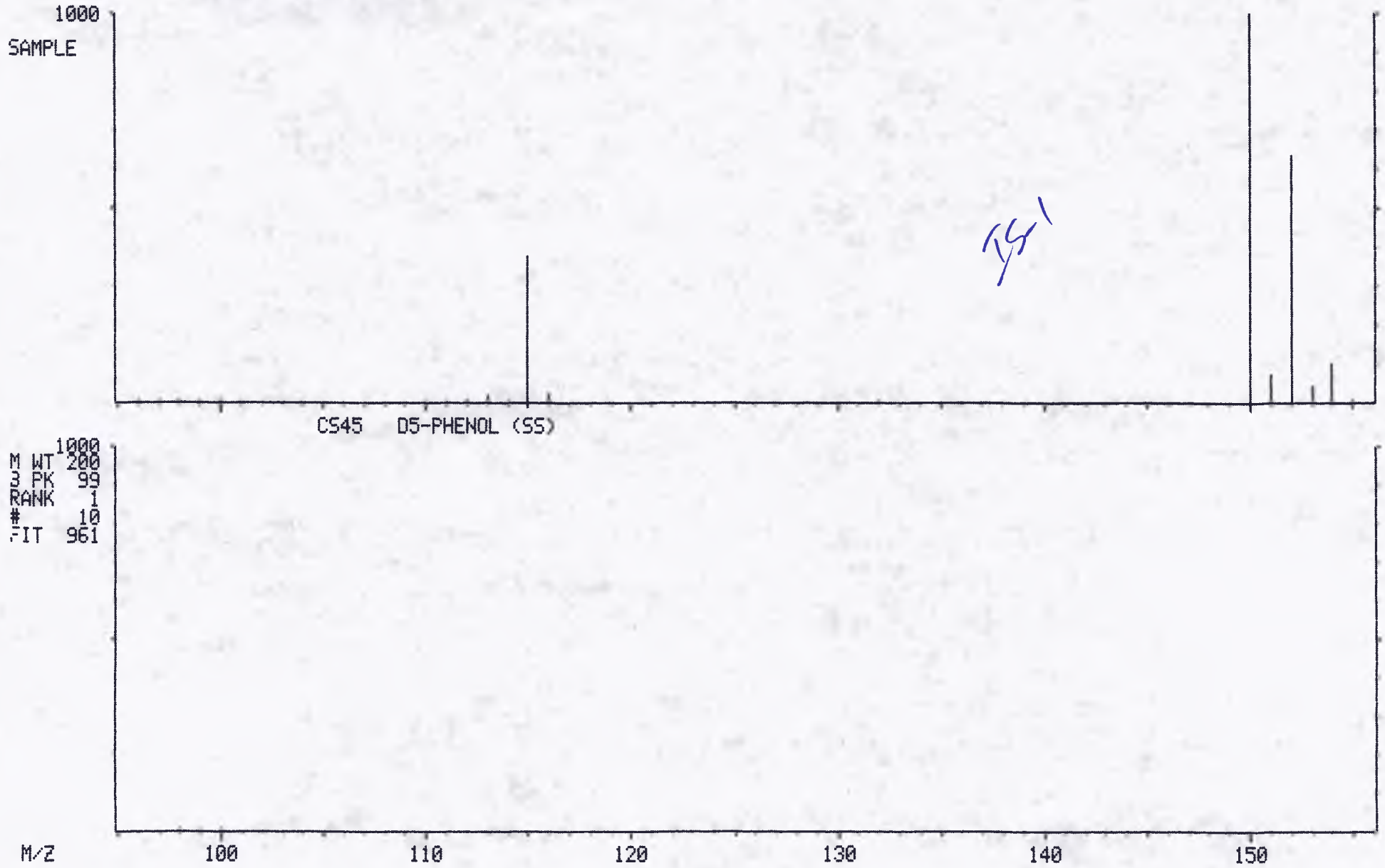
BASE M/Z: 94
RIC: 5119.



MID LIBRARY SEARCH
04/29/91 8:53:00 + 10:45
SAMPLE: W130150 RIDGEFIELD 100% 1ML/2UL INJ
CONDS.: WDOE 35 DEG 2 MIN 50 DEG @ 5 MIN 320 DEG @ 8 DEG/MIN
ENHANCED (S 15B 2N 0T)

DATA: W130150 #1291
CALI: W130150 # 5

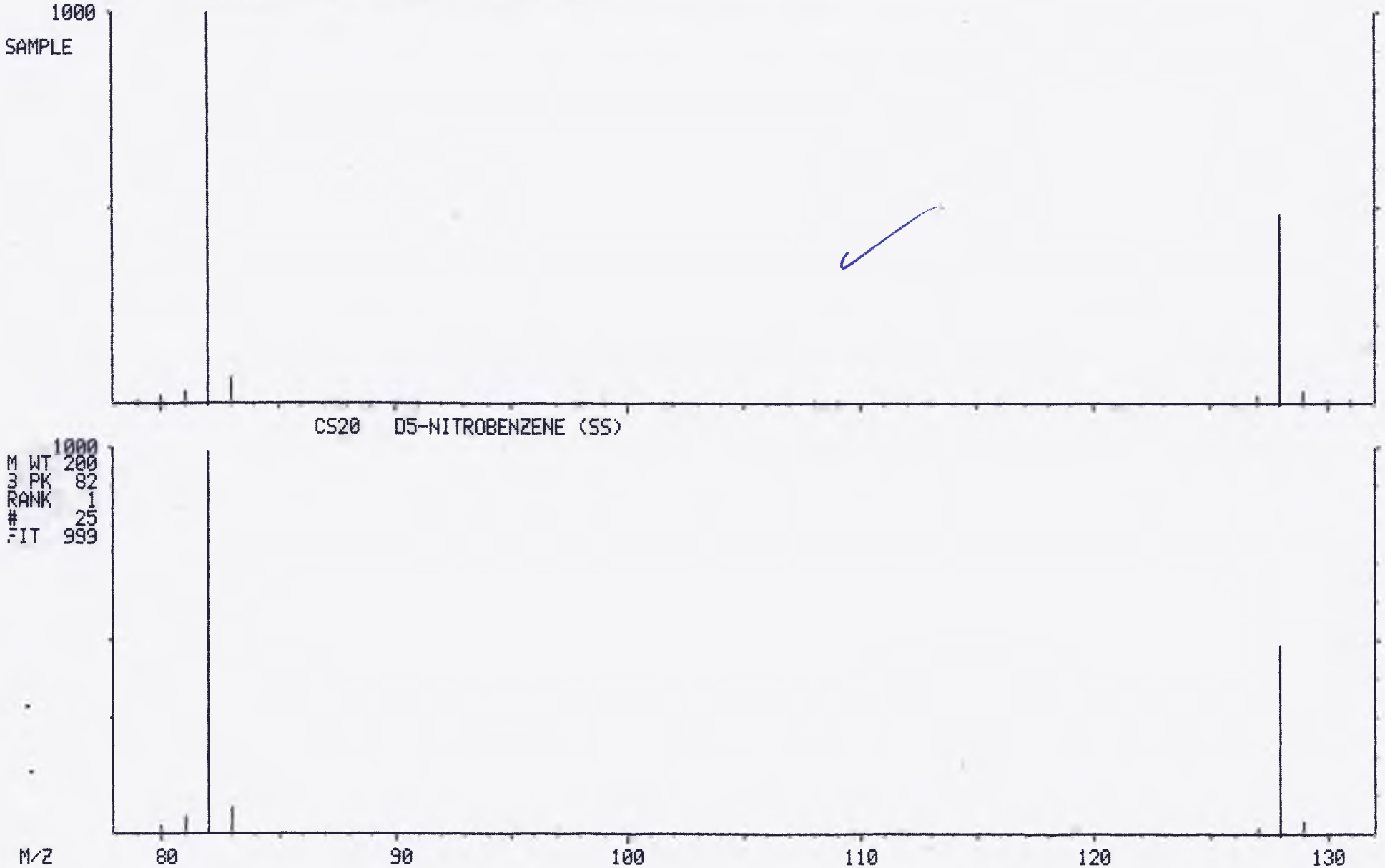
BASE M/Z: 150
RIC: 189439.



MID LIBRARY SEARCH
04/29/91 8:53:00 + 12:25
SAMPLE: W130150 RIDGEFIELD 100% 1ML/2UL INJ
CONDS.: WDOE 35 DEG 2 MIN 50 DEG @ 5 MIN 320 DEG @ 8 DEG/MIN
ENHANCED (5 15B 2N 0T)

DATA: W130150 #1490
CALI: W130150 # 5

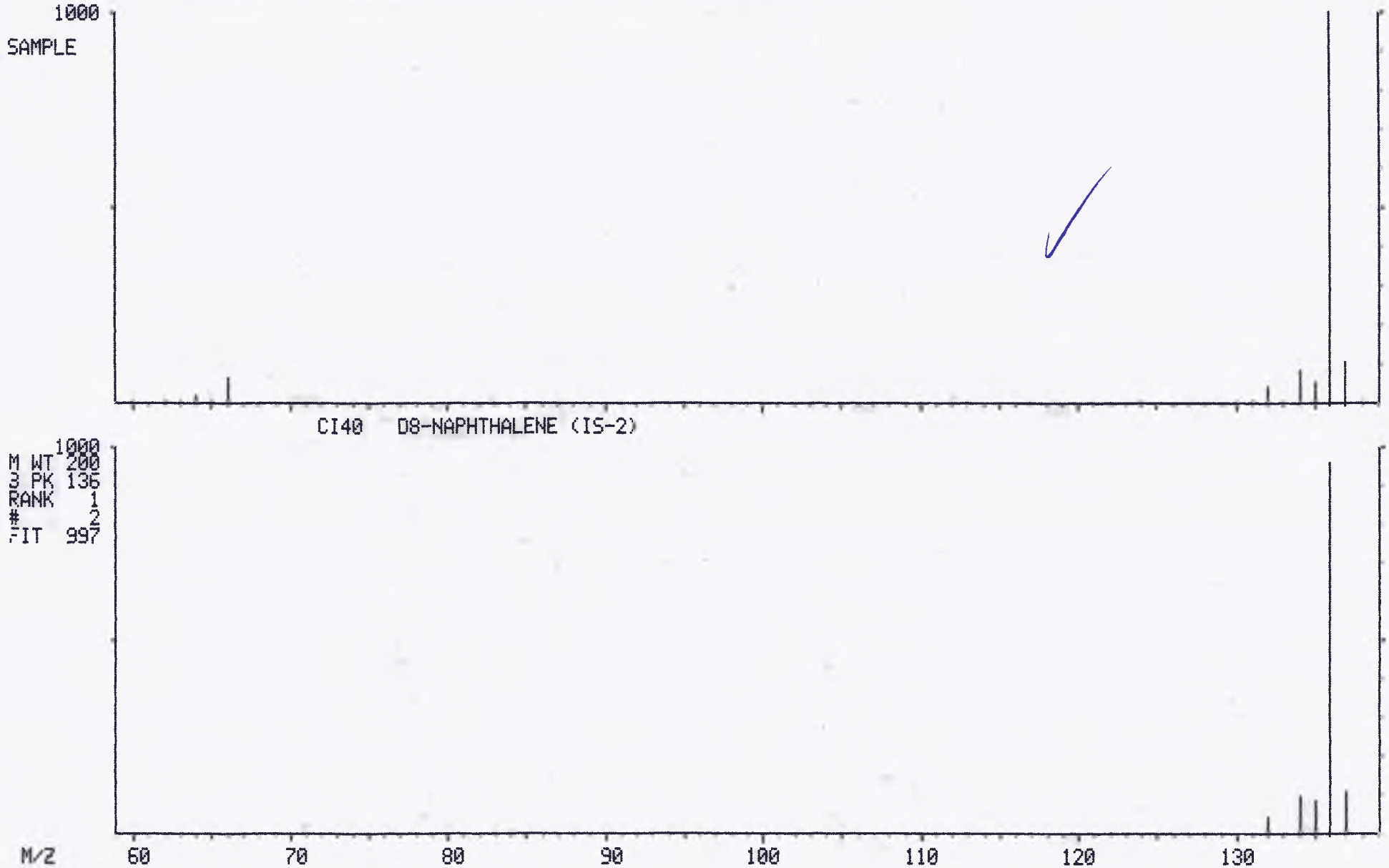
BASE M/Z: 82
RIC: 672767.



MID LIBRARY SEARCH
04/29/91 8:53:00 + 14:32
SAMPLE: W130150 RIDGEFIELD 100% 1ML/2UL INJ
CONDS.: WDOE 35 DEG 2 MIN 50 DEG @ 5 MIN 320 DEG @ 8 DEG/MIN
ENHANCED (S 15B 2N 0T)

DATA: W130150 #1744
CALI: W130150 # 5

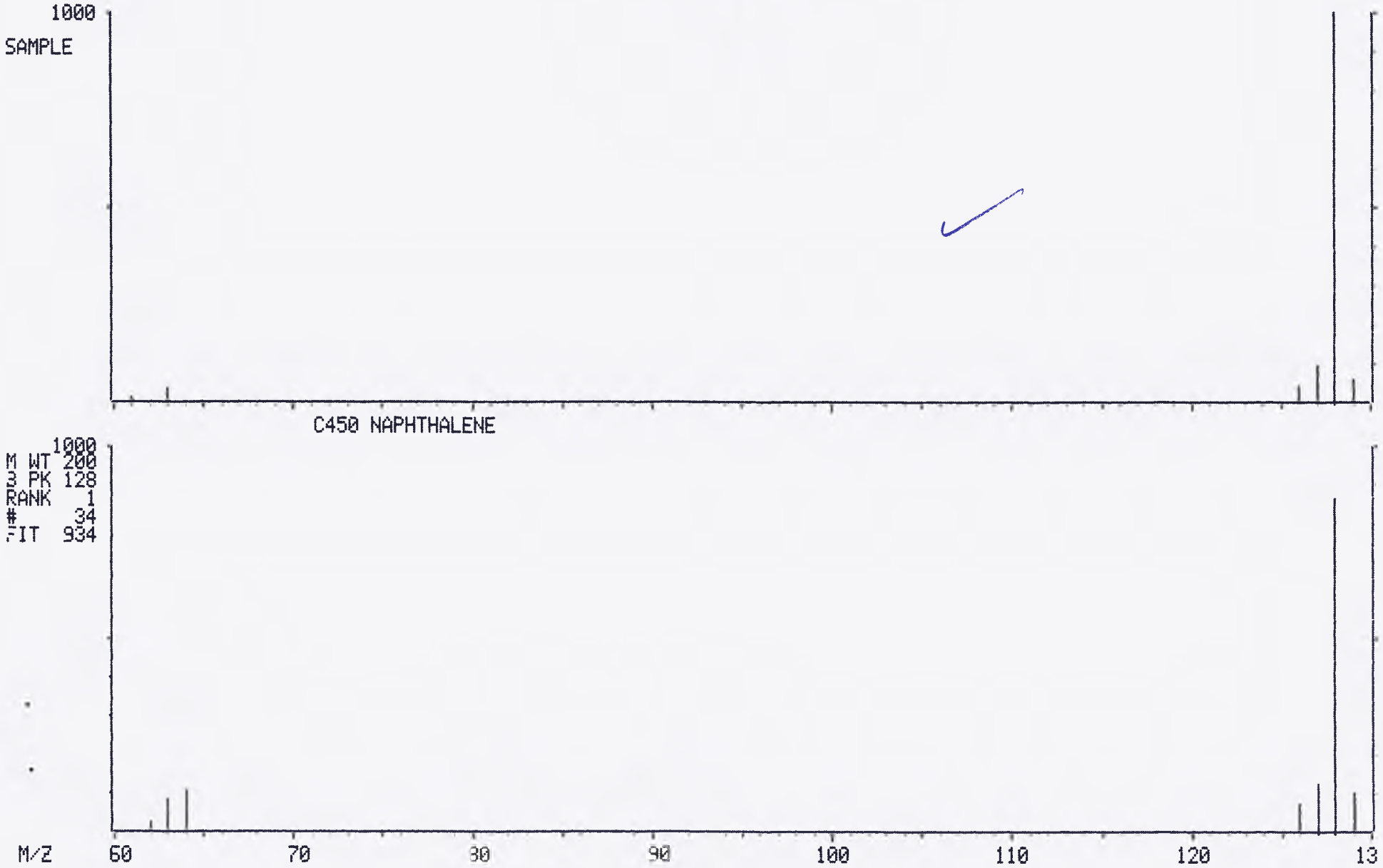
BASE M/Z: 136
RIC: 303103.



MID LIBRARY SEARCH
04/29/91 8:53:00 + 14:35
SAMPLE: W130150 RIDGEFIELD 100% 1ML/2UL INJ
CONDS.: WDOE 35 DEG 2 MIN 50 DEG @ 5 MIN 320 DEG @ 8 DEG/MIN
ENHANCED (S 15B 2N 0T)

DATA: W130150 #1751
CALI: W130150 # 5

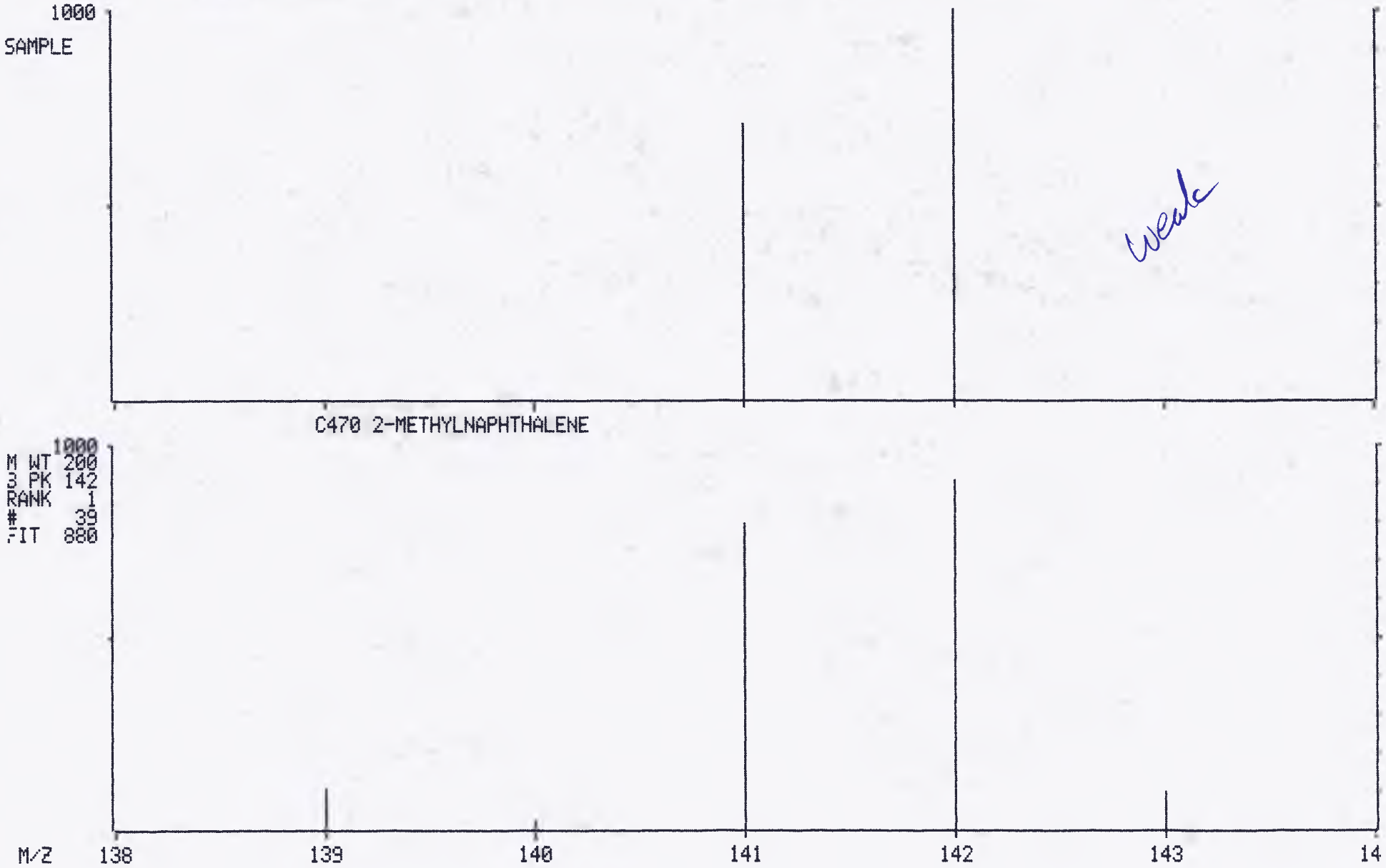
BASE M/Z: 128
RIC: 853.



MID LIBRARY SEARCH
04/29/91 8:53:00 + 16:46
SAMPLE: W130150 RIDGEFIELD 100% 1ML/2UL INJ
CONDS.: WDOE 35 DEG 2 MIN 50 DEG @ 5 MIN 320 DEG @ 8 DEG/MIN
ENHANCED (S 15B 2N 0T)

DATA: W130150 #2013
CALI: W130150 # 5

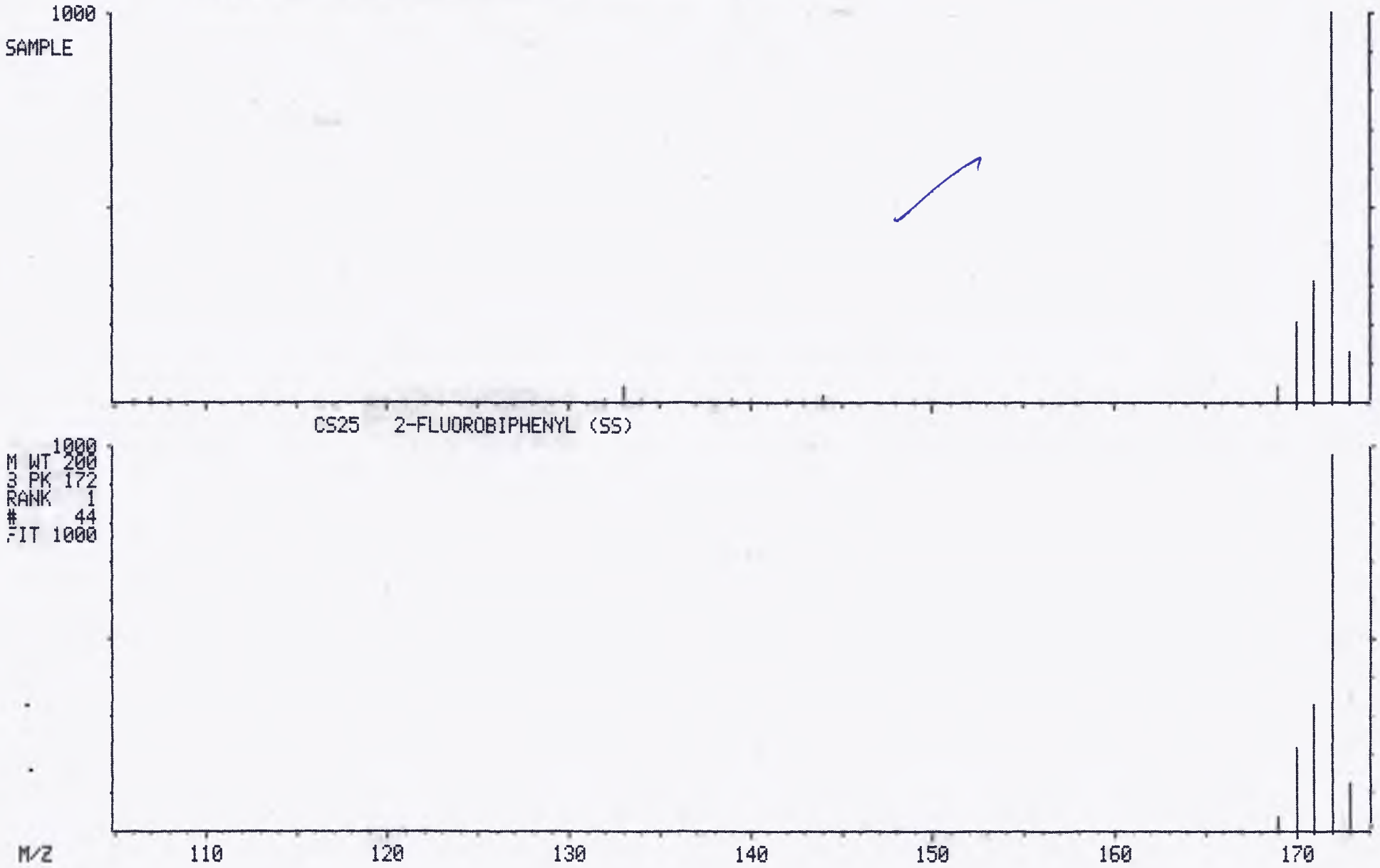
BASE M/Z: 142
RIC: 166.



MID LIBRARY SEARCH
04/29/91 8:53:00 + 18:02
SAMPLE: W130150 RIDGEFIELD 100% 1ML/2UL INJ
CONDS.: WDOE 35 DEG 2 MIN 50 DEG @ 5 MIN 320 DEG @ 8 DEG/MIN
ENHANCED (S 15B 2N 0T)

DATA: W130150 #2164
CALI: W130150 # 5

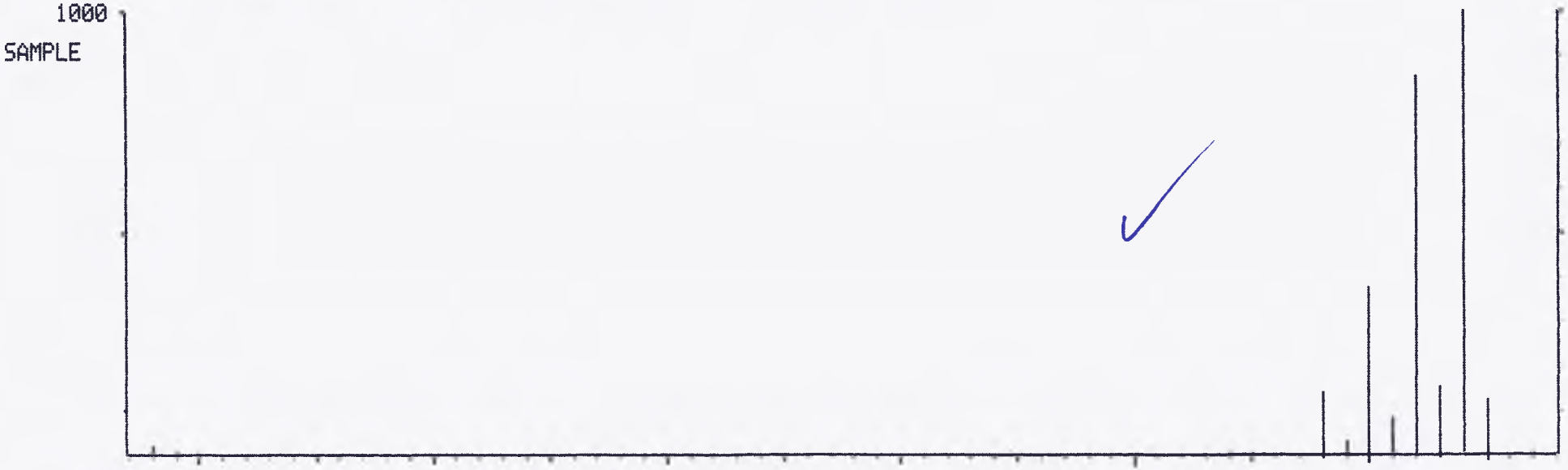
BASE M/Z: 172
RIC: 1003510.



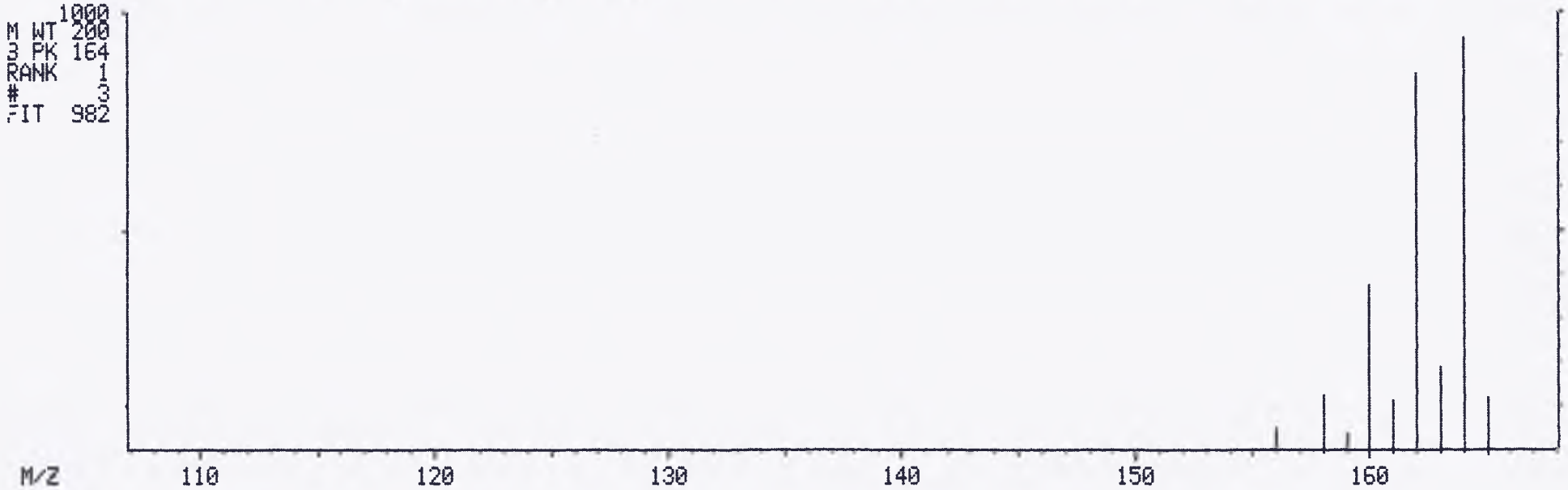
MID LIBRARY SEARCH
04/29/91 8:53:00 + 20:03
SAMPLE: W130150 RIDGEFIELD 100% 1ML/2UL INJ
CONDS.: WDOE 35 DEG 2 MIN 50 DEG @ 5 MIN 320 DEG @ 8 DEG/MIN
ENHANCED (S 15B 2N 0T)

DATA: W130150 #2406
CALI: W130150 # 5

BASE M/Z: 164
RIC: 267263.



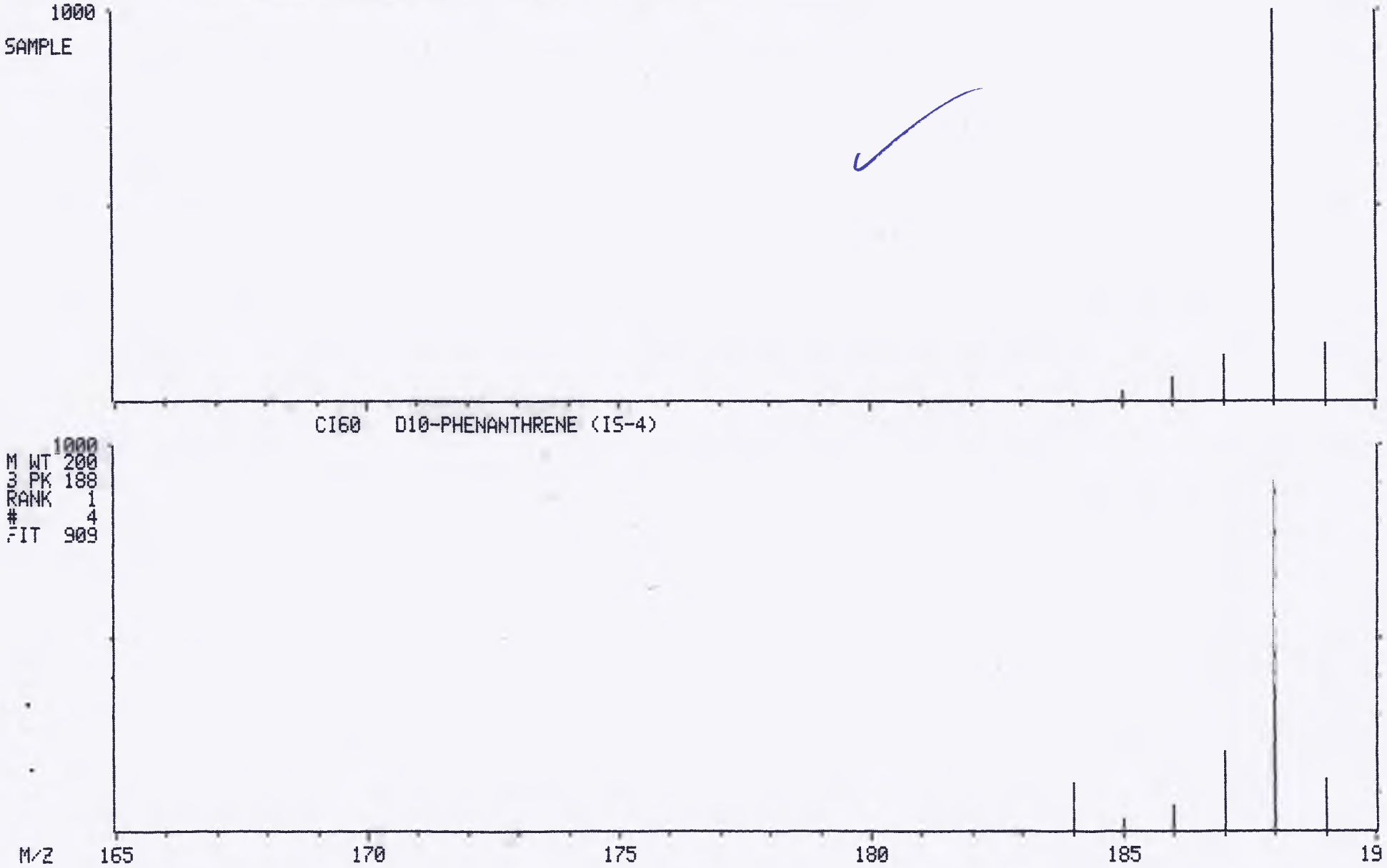

CI50 D10-ACENAPHTHENE (IS-3)



MID LIBRARY SEARCH
04/29/91 8:53:00 + 24:47
SAMPLE: W130150 RIDGEFIELD 100% 1ML/2UL INJ
CONDS.: WDOE 35 DEG 2 MIN 50 DEG @ 5 MIN 320 DEG @ 8 DEG/MIN
ENHANCED (S 15B 2N 0T)

DATA: W130150 #2975
CALI: W130150 # 5

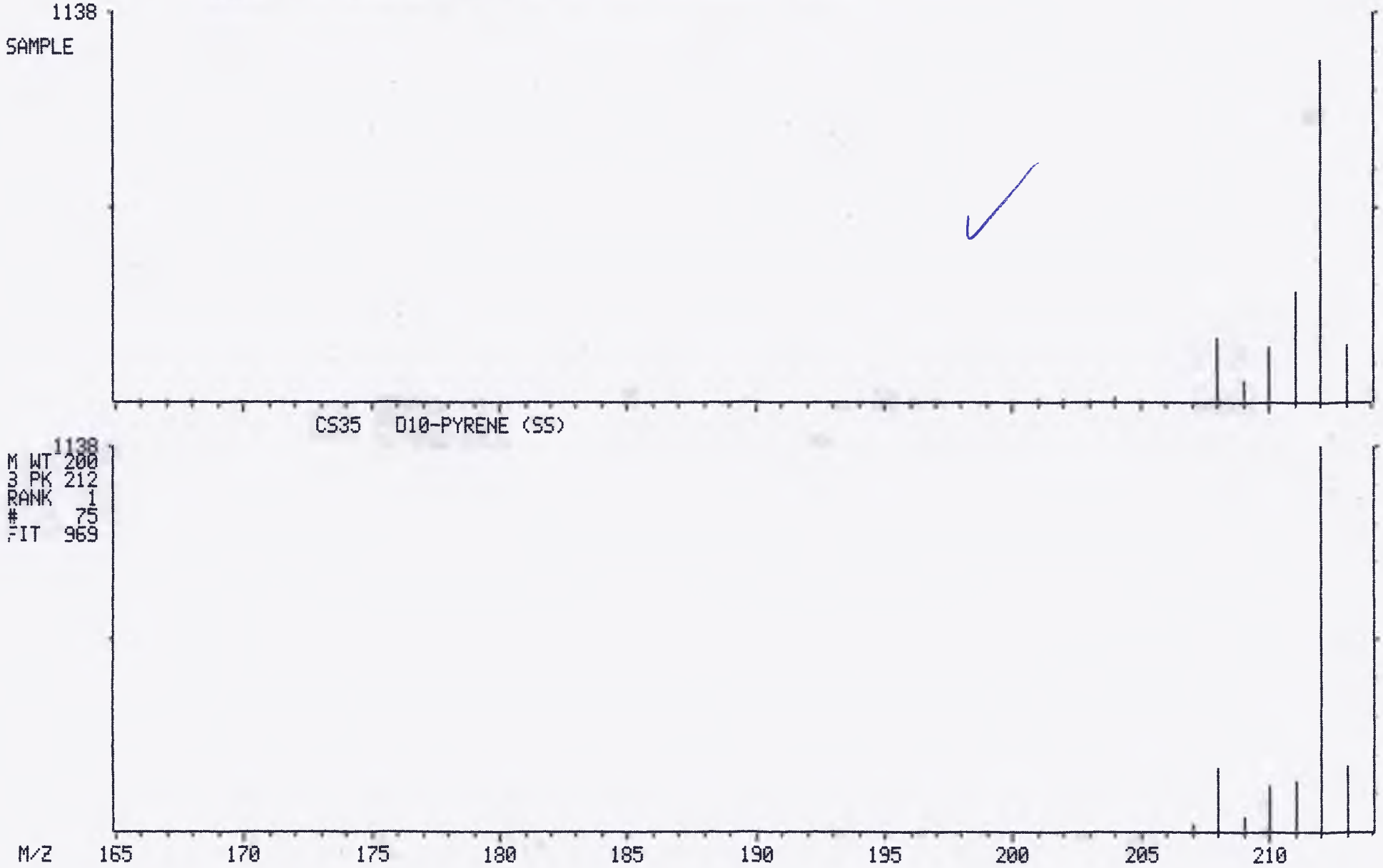
BASE M/Z: 188
RIC: 153343.



MID LIBRARY SEARCH
04/29/91 8:53:00 + 29:26
SAMPLE: W130150 RIDGEFIELD 100% 1ML/2UL INJ
CONDS.: WDOE 35 DEG 2 MIN 50 DEG @ 5 MIN 320 DEG @ 8 DEG/MIN
ENHANCED (S 15B 2N 0T)

DATA: W130150 #3532
CALI: W130150 # 5

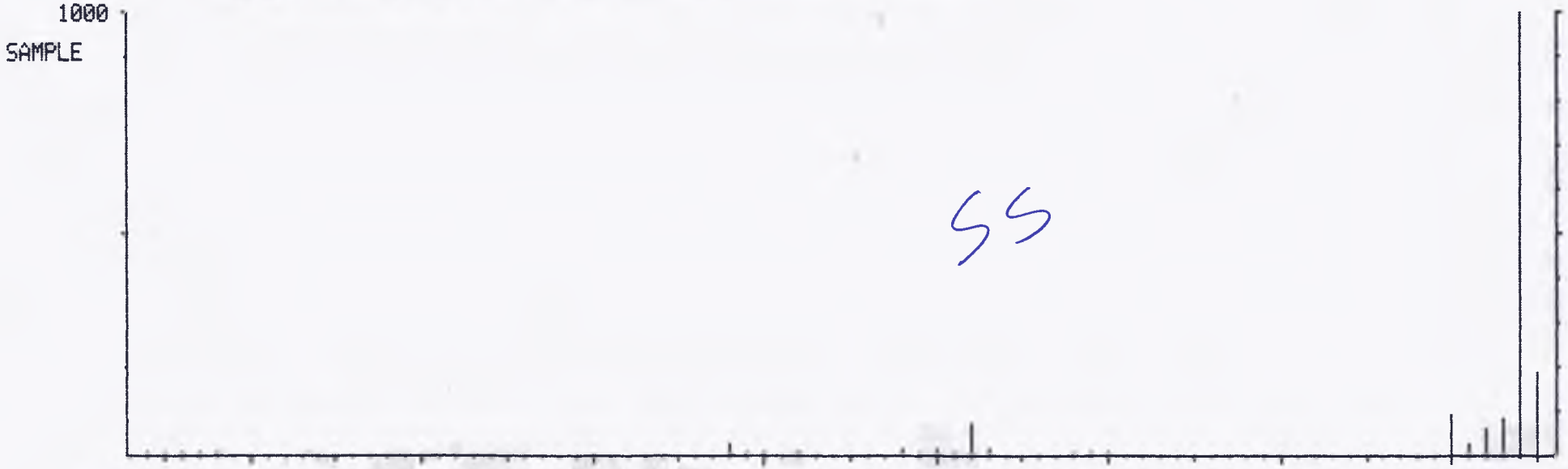
BASE M/Z: 212
RIC: 919551.



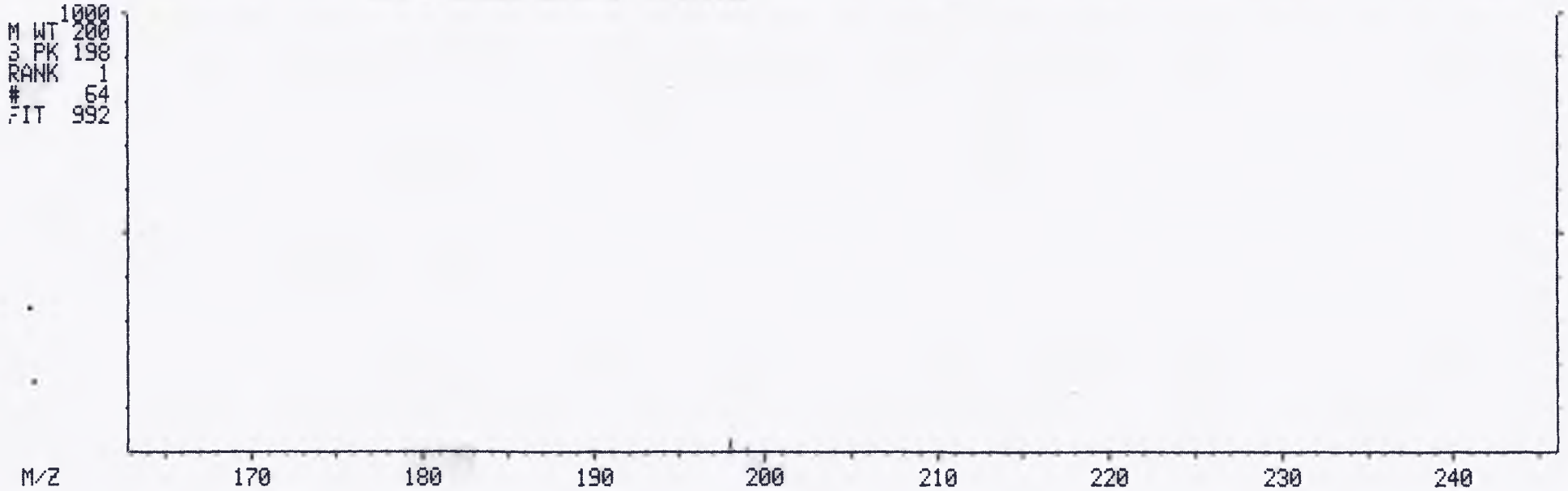
MID LIBRARY SEARCH
04/29/91 8:53:00 + 30:12
SAMPLE: W130150 RIDGEFIELD 100% 1ML/2UL INJ
CONDS.: WDOE 35 DEG 2 MIN 50 DEG @ 5 MIN 320 DEG @ 8 DEG/MIN
ENHANCED (S 15B 2N 0T)

DATA: W130150 #3625
CALI: W130150 # 5

BASE M/Z: 244
RIC: 692223.



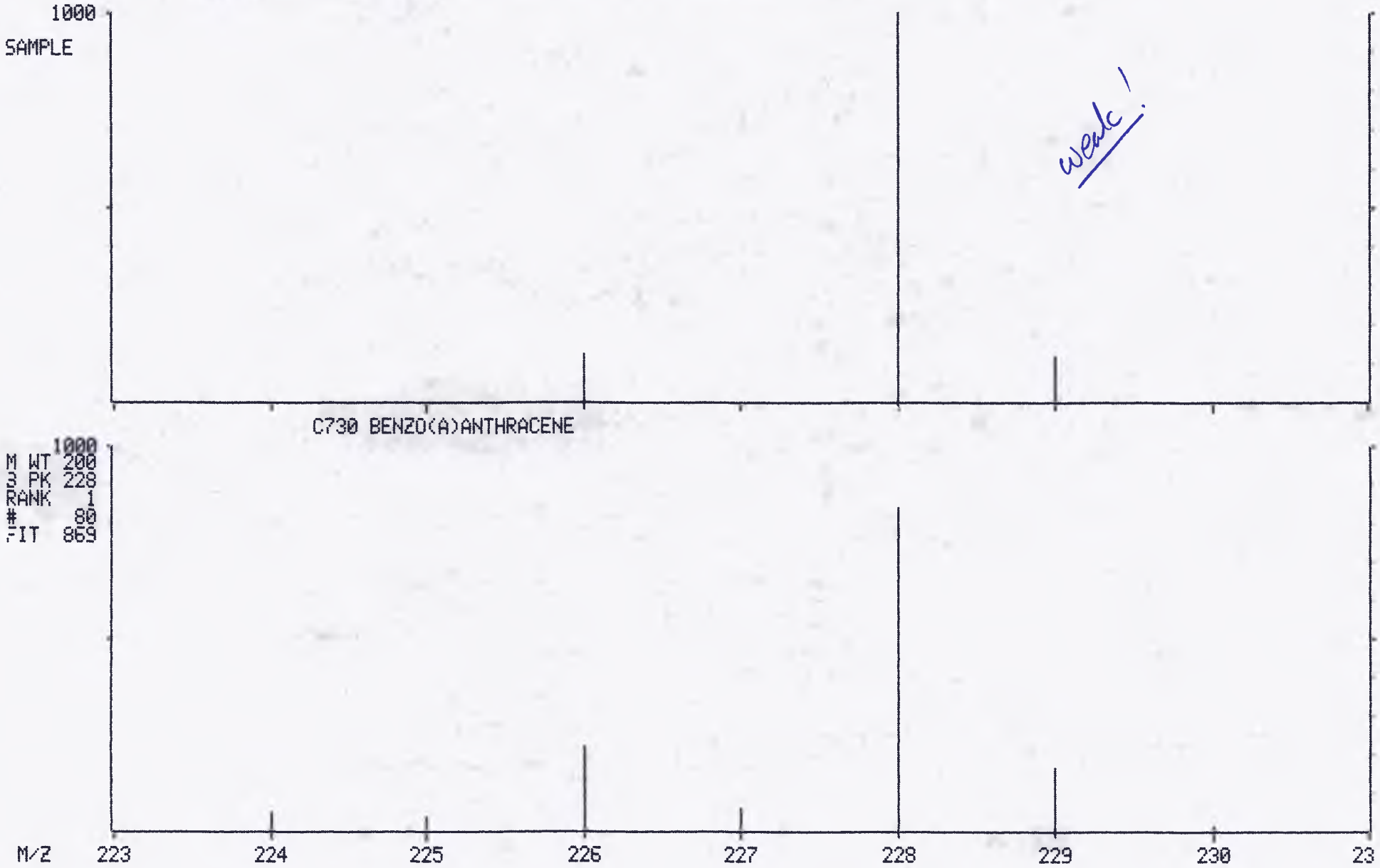

C610 4,6-DINITRO-2-METHYLPHENOL



MID LIBRARY SEARCH
04/29/91 8:53:00 + 33:25
SAMPLE: W130150 RIDGEFIELD 100% 1ML/2UL INJ
CONDS.: WDOE 35 DEG 2 MIN 50 DEG @ 5 MIN 320 DEG @ 8 DEG/MIN
ENHANCED (S 15B 2N 0T)

DATA: W130150 #4011
CALI: W130150 # 5

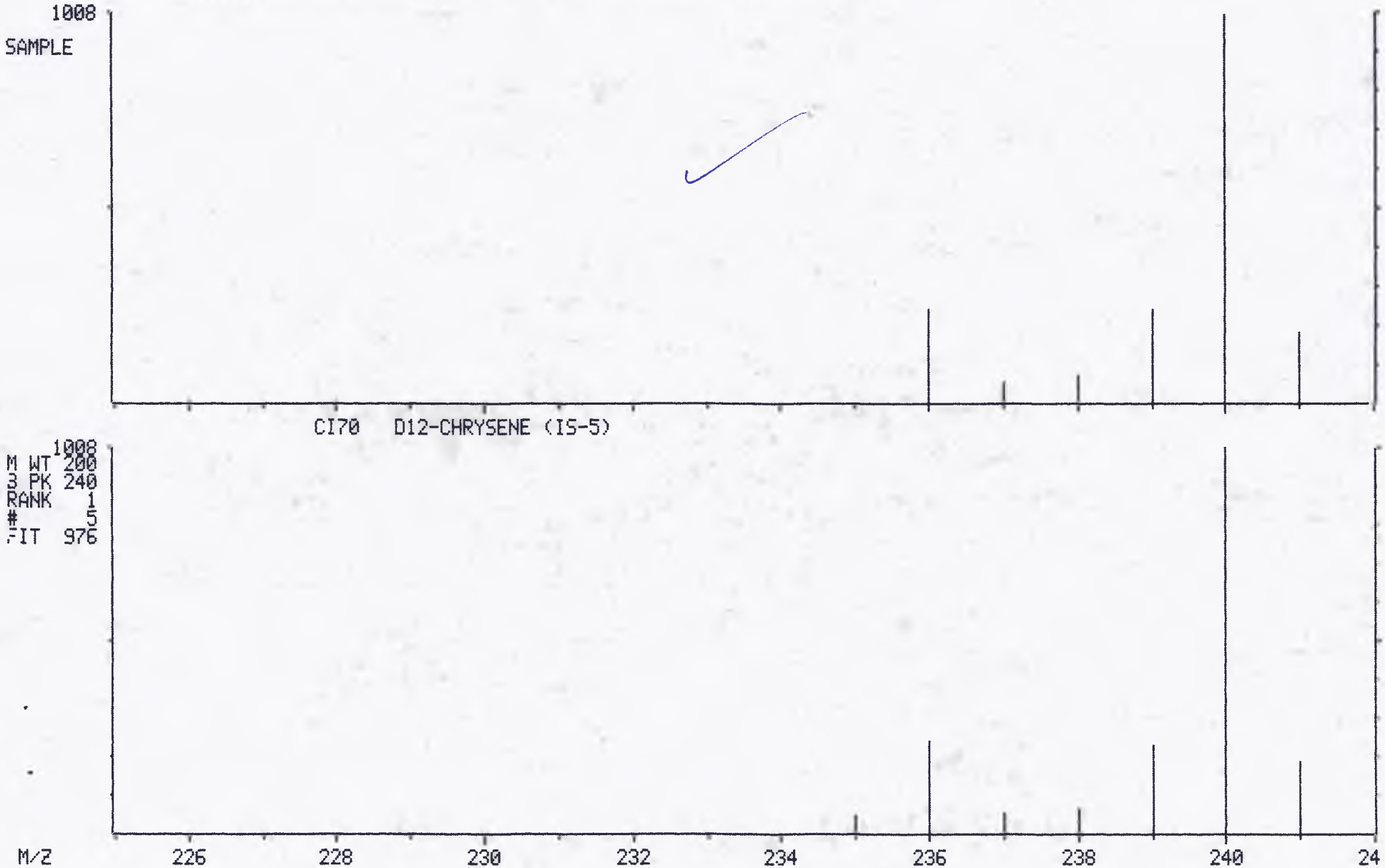
BASE M/Z: 228
RIC: 229.



MID LIBRARY SEARCH
04/29/91 8:53:00 + 33:27
SAMPLE: W130150 RIDGEFIELD 100% 1ML/2UL INJ
CONDS.: WDOE 35 DEG 2 MIN 50 DEG @ 5 MIN 320 DEG @ 8 DEG/MIN
ENHANCED (S 15B 2N 0T)

DATA: W130150 #4014
CALI: W130150 # 5

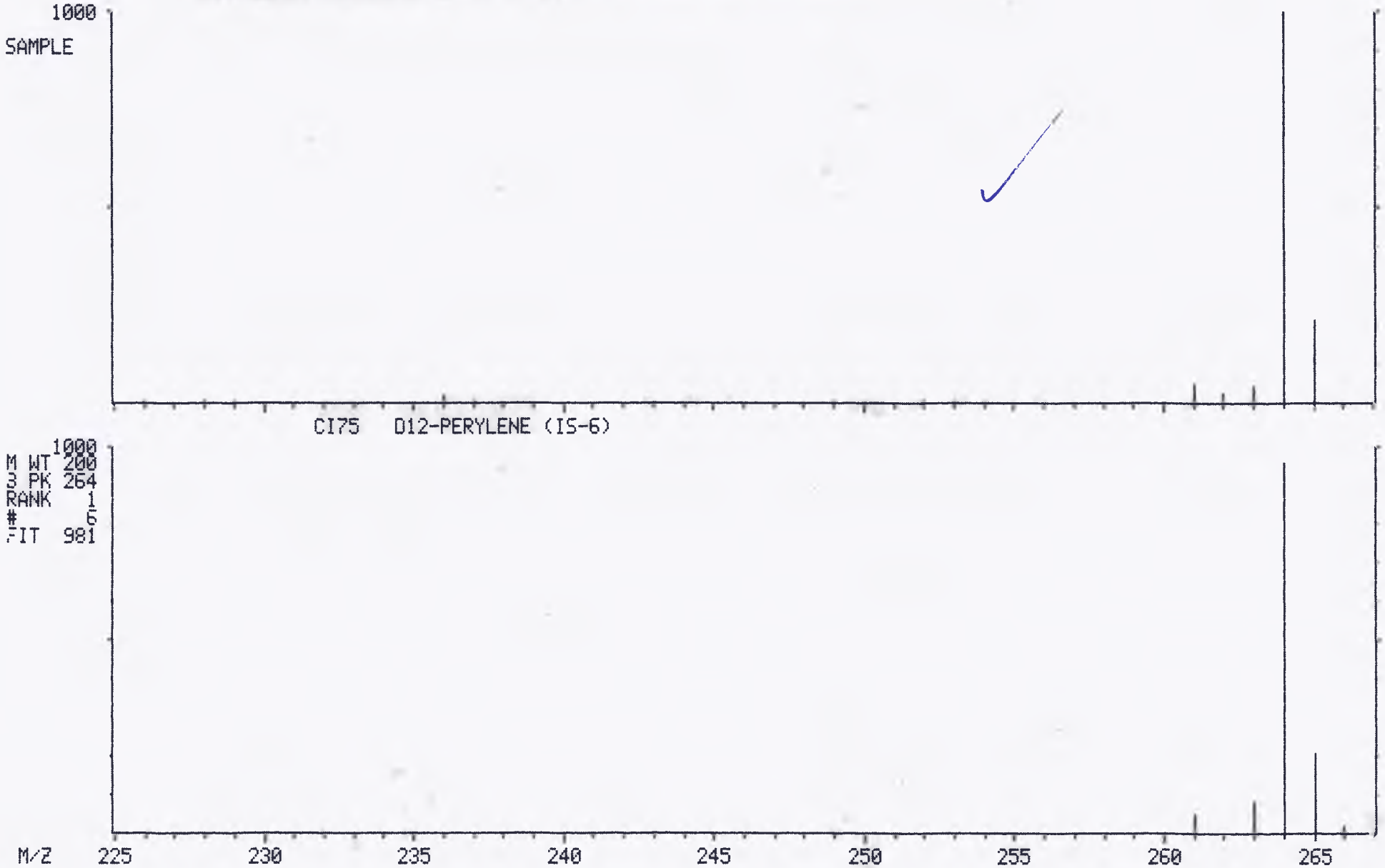
BASE M/Z: 240
RIC: 77567.



MID LIBRARY SEARCH
04/29/91 8:53:00 + 37:47
SAMPLE: W130150 RIDGEFIELD 100% 1ML/2UL INJ
CONDS.: WDOE 35 DEG 2 MIN 50 DEG @ 5 MIN 320 DEG @ 8 DEG/MIN
ENHANCED (S 15B 2N 0T)

DATA: W130150 #4535
CALI: W130150 # 5

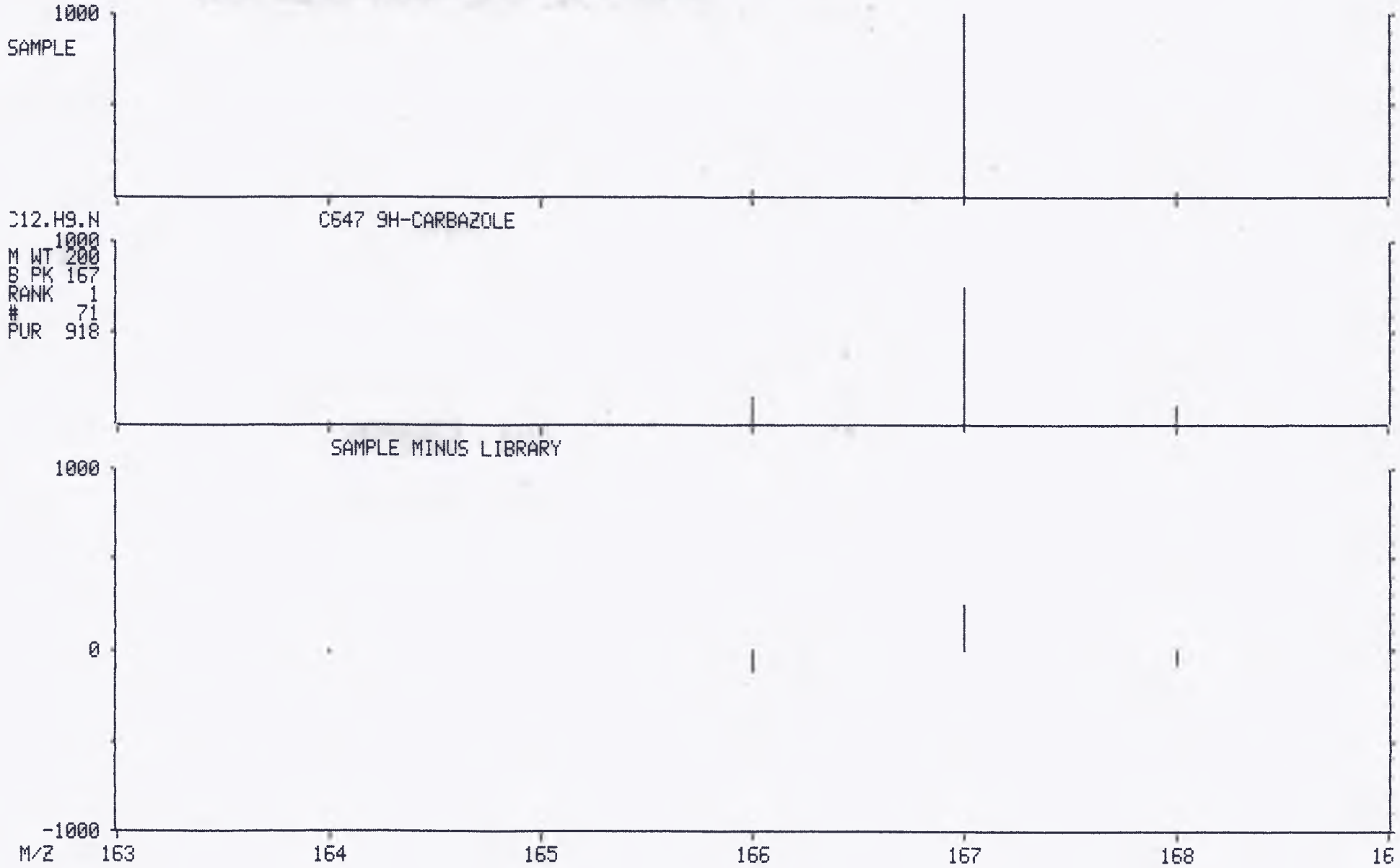
BASE M/Z: 264
RIC: 41855.



MID LIBRARY SEARCH
04/29/91 8:53:00 + 25:39
SAMPLE: W130150 RIDGEFIELD 100% 1ML/2UL INJ
CONDS.: WDOE 35 DEG 2 MIN 50 DEG @ 5 MIN 320 DEG @ 8 DEG/MIN
#3075 TO #3081 SUMMED - #3071 TO #3073 X1.00

DATA: W130150 #3078
CALI: W130150 # 5

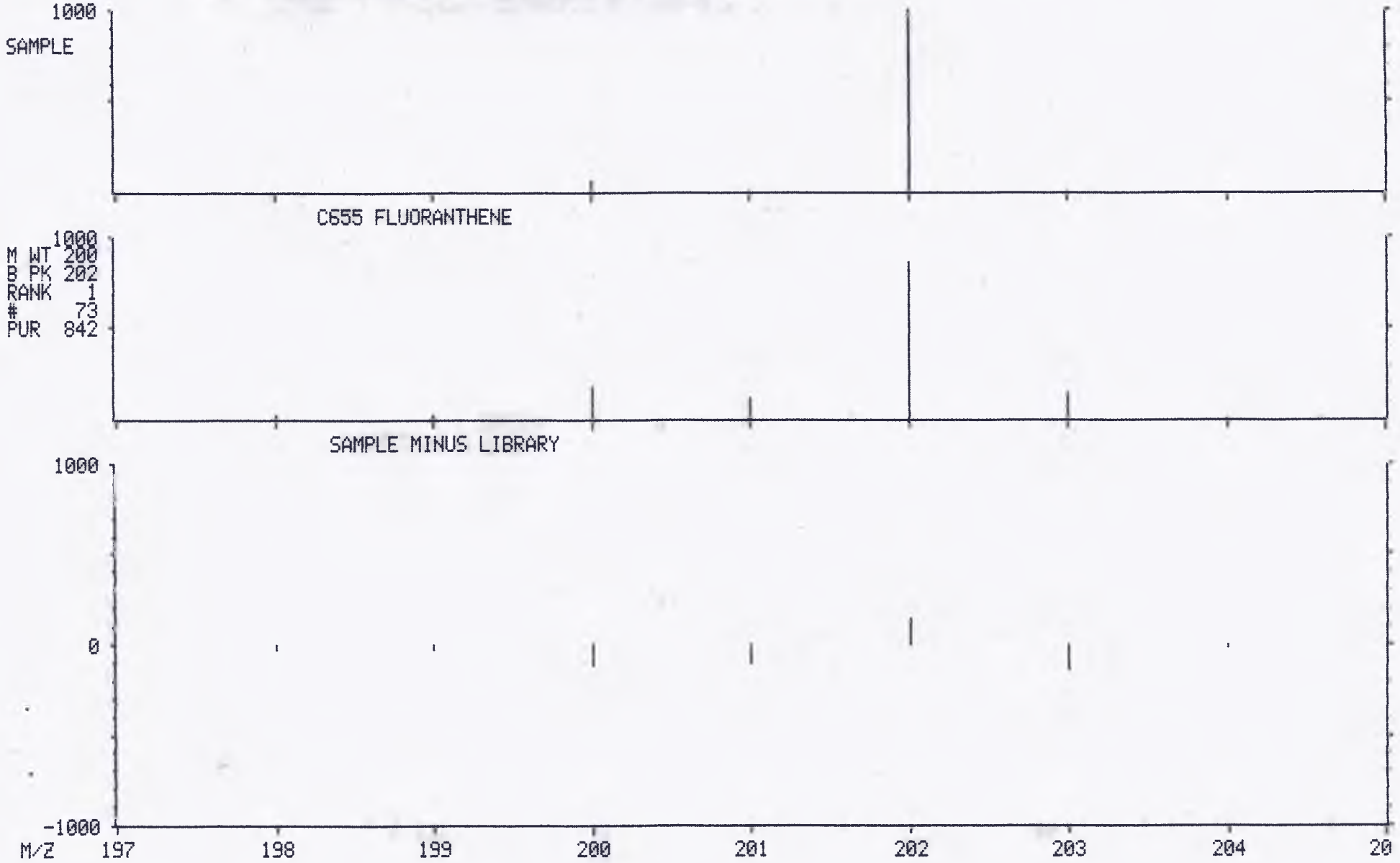
BASE M/Z: 167
RIC: 349.



MID LIBRARY SEARCH
04/29/91 8:53:00 + 28:44
SAMPLE: W130150 RIDGEFIELD 100% 1ML/2UL INJ
CONDS.: WDOE 35 DEG 2 MIN 50 DEG @ 5 MIN 320 DEG @ 8 DEG/MIN
#3446 TO #3452 SUMMED - #3442 TO #3444 X1.00

DATA: W130150 #3449
CALI: W130150 # 5

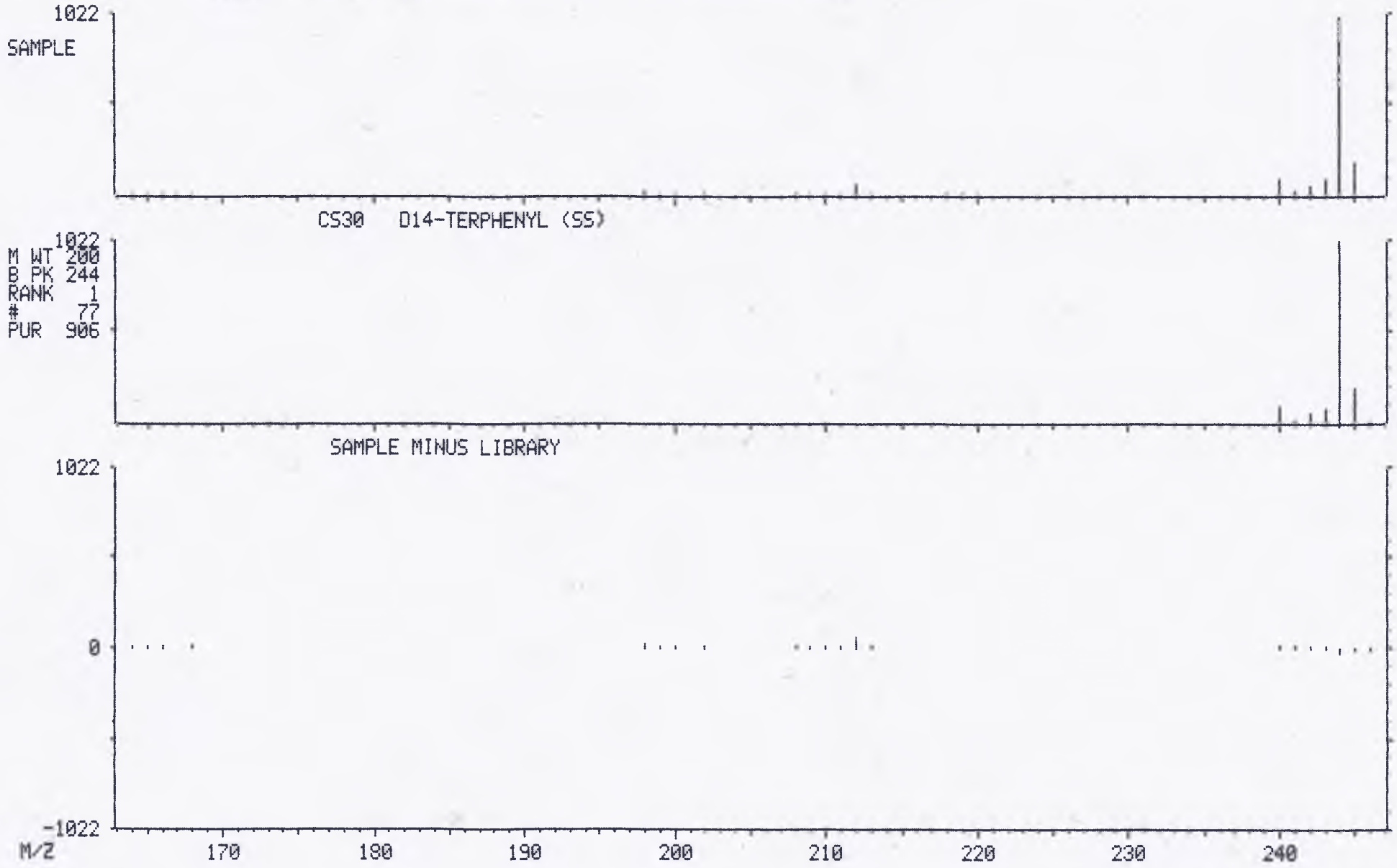
BASE M/Z: 202
RIC: 863.



MID LIBRARY SEARCH
04/29/91 8:53:00 + 30:12
SAMPLE: W130150 RIDGEFIELD 100% 1ML/2UL INJ
CONDS.: WDOE 35 DEG 2 MIN 50 DEG @ 5 MIN 320 DEG @ 8 DEG/MIN
ENHANCED (S 15B 2N 0T)

DATA: W130150 #3625
CALI: W130150 # 5

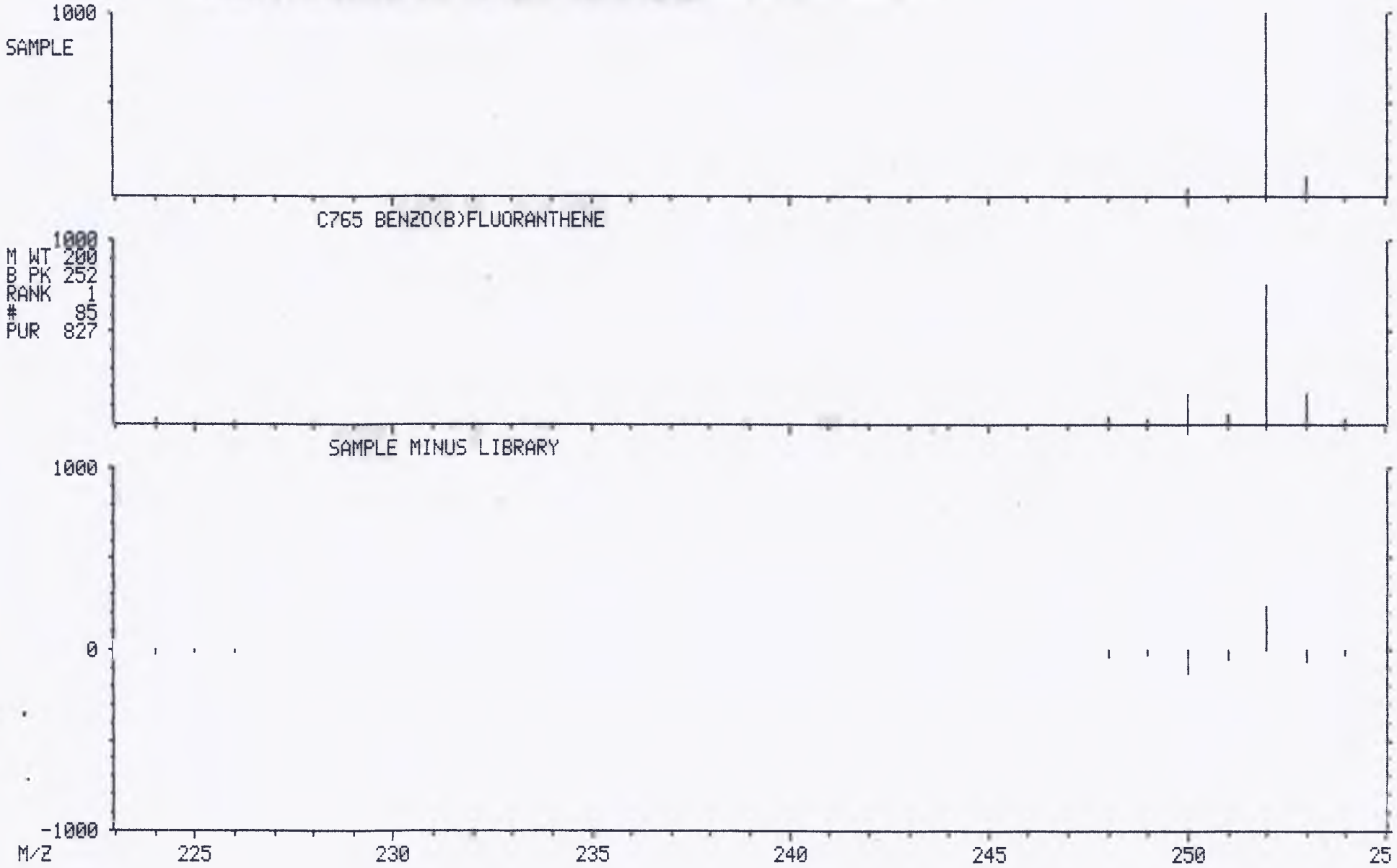
BASE M/Z: 244
RIC: 692223.



MID LIBRARY SEARCH
04/29/91 8:53:00 + 36:43
SAMPLE: W130150 RIDGEFIELD 100% 1ML/2UL INJ
CONDS.: WDOE 35 DEG 2 MIN 50 DEG @ 5 MIN 320 DEG @ 8 DEG/MIN
#4405 TO #4408 SUMMED - #4399 TO #4401 X1.00

DATA: W130150 #4406
CALI: W130150 # 5

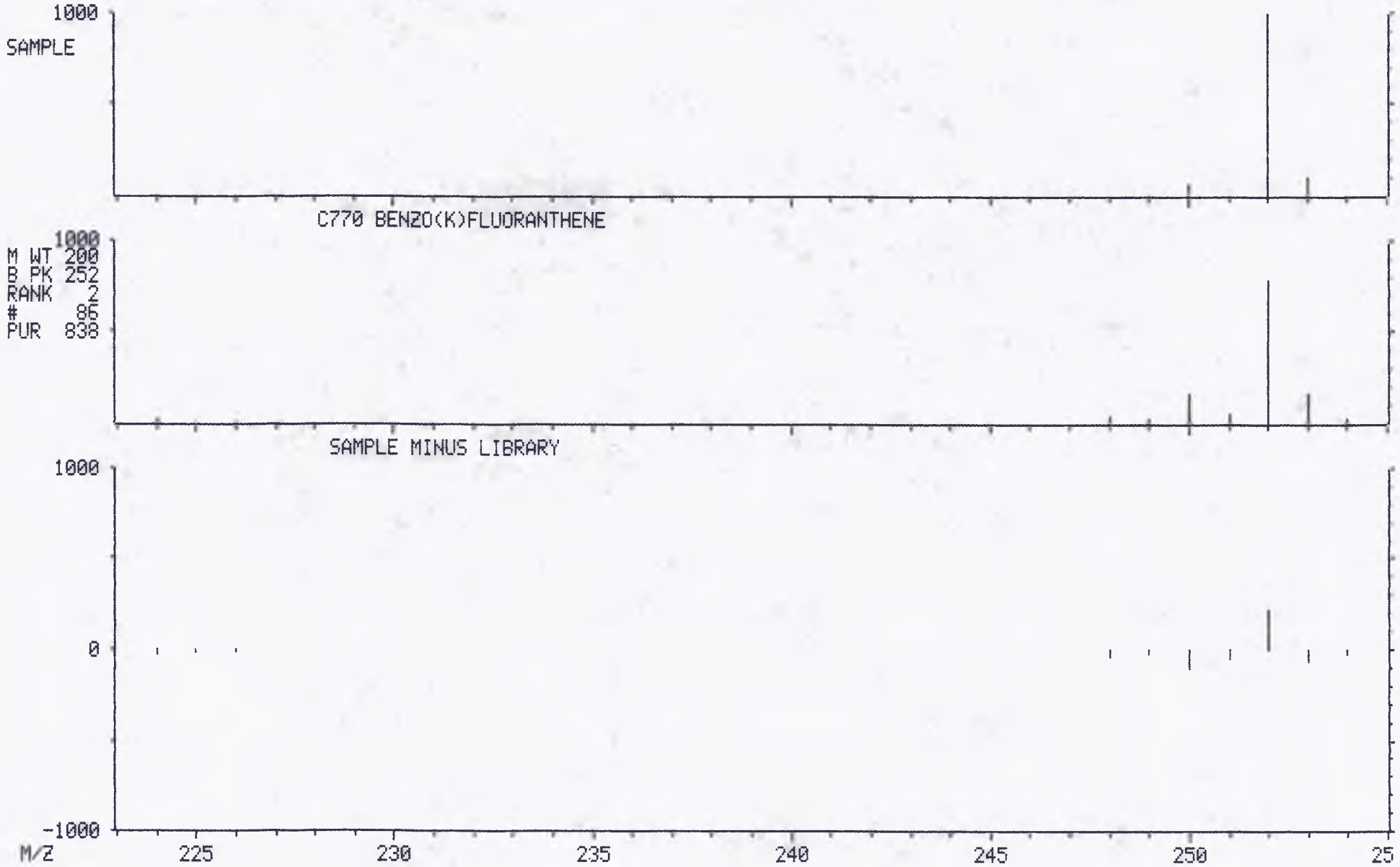
BASE M/Z: 252
RIC: 703.



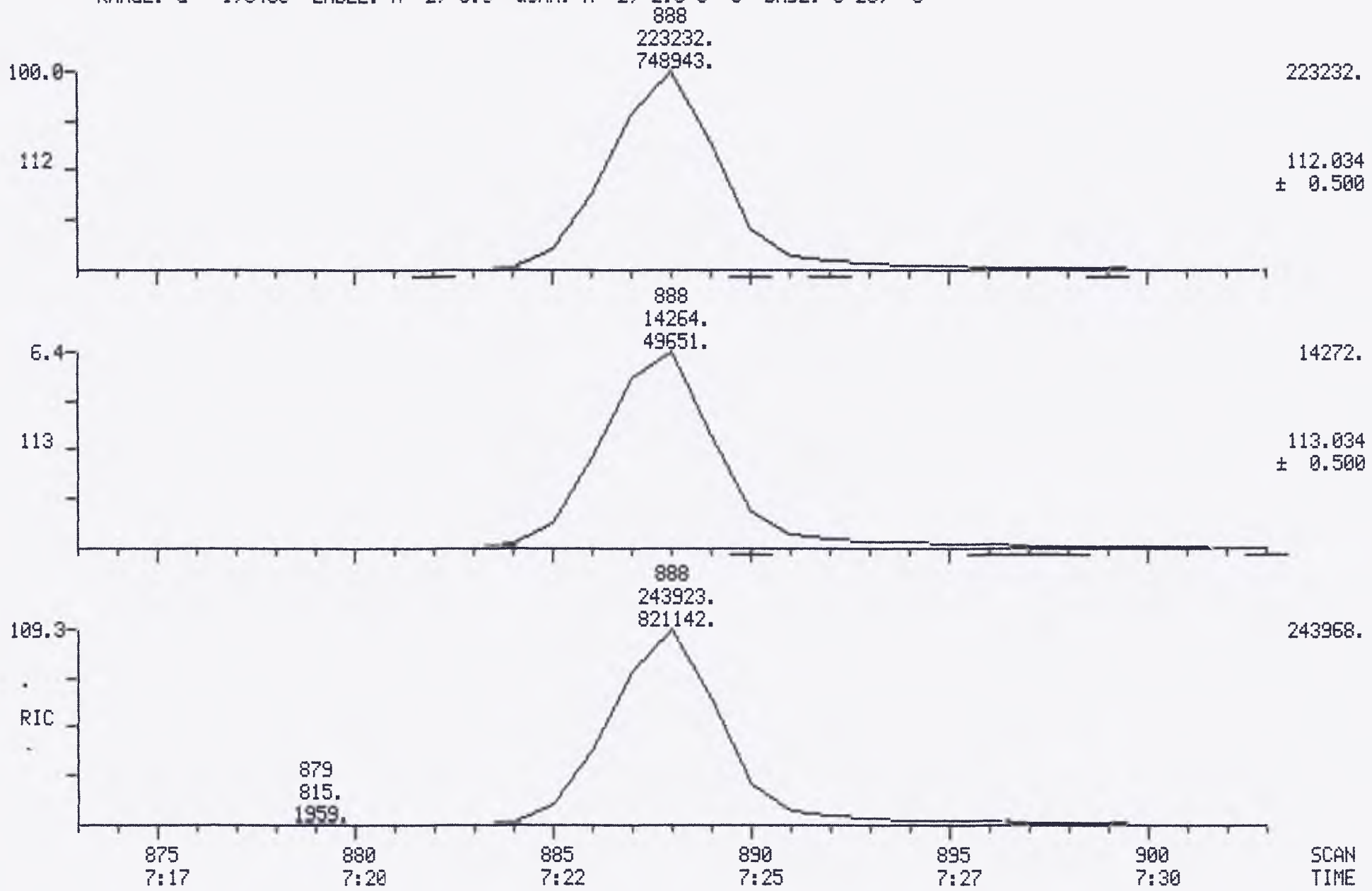
MID LIBRARY SEARCH
04/29/91 8:53:00 + 36:48
SAMPLE: W130150 RIDGEFIELD 100% 1ML/2UL INJ
CONDS.: WDOE 35 DEG 2 MIN 50 DEG @ 5 MIN 320 DEG @ 8 DEG/MIN
#4417 - #4423 X1.00

DATA: W130150 #4417
CALI: W130150 # 5

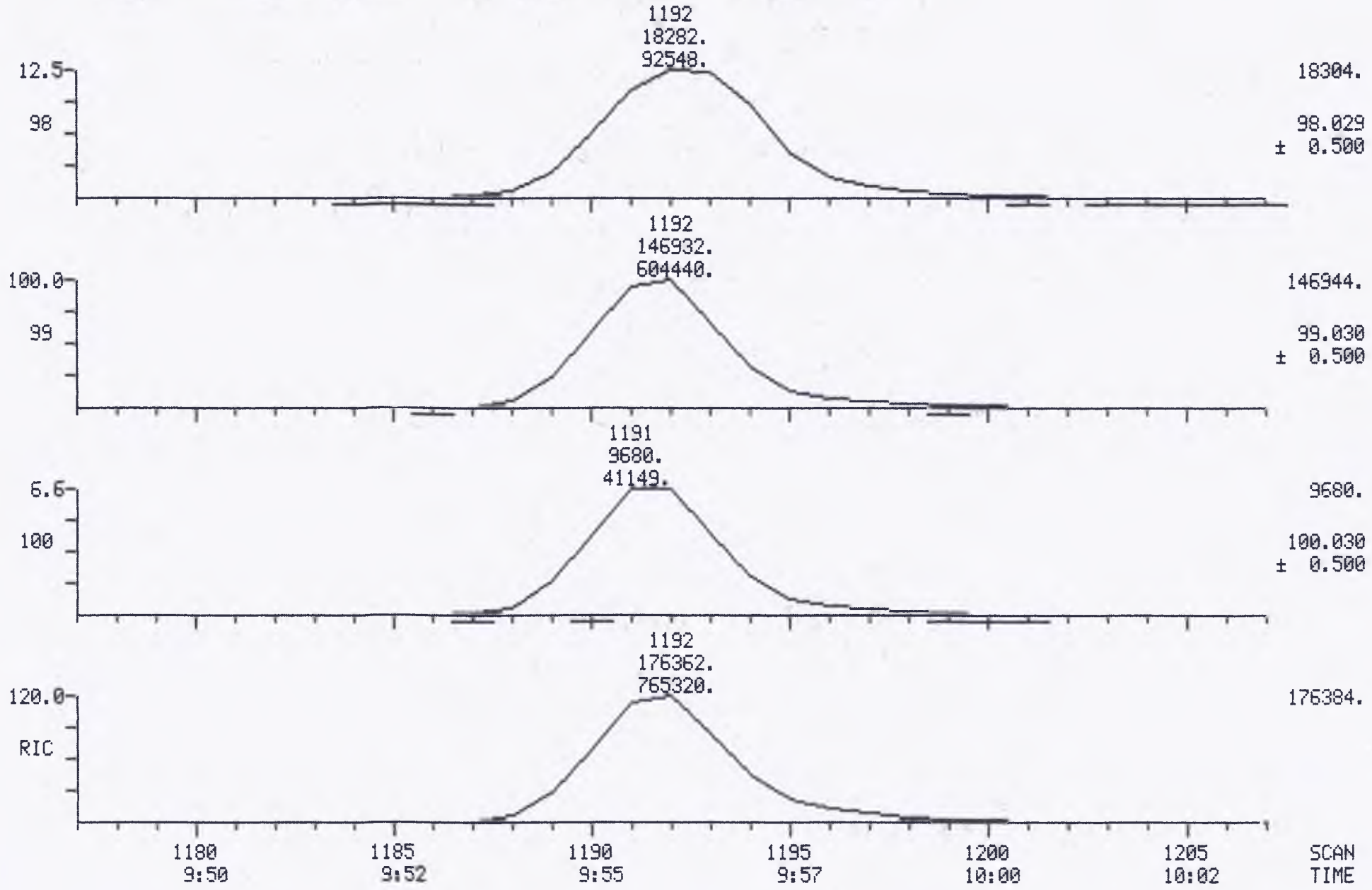
BASE M/Z: 252
RIC: 222.



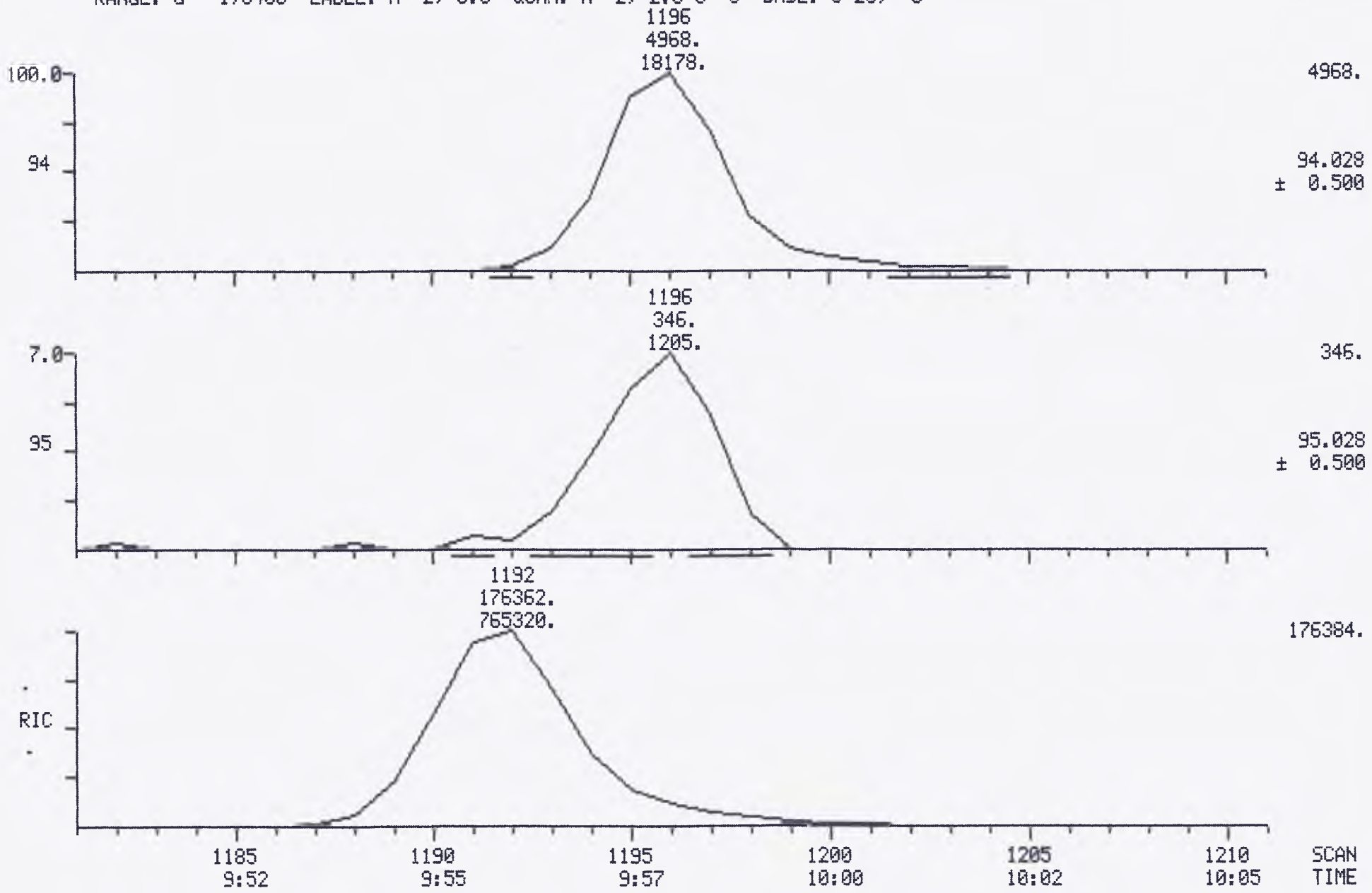
MIDRIC+MASS CHROMATOGRAMS DATA: W130150 #888 SCANS 873 TO 903
04/29/91 8:53:00 CALI: W130150 #5
SAMPLE: W130150 RIDGEFIELD 100% 1ML/2UL INJ
CONDS.: WDOE 35 DEG 2 MIN 50 DEG @ 5 MIN 320 DEG @ 8 DEG/MIN
CS50 2-FLUOROPHENOL (SS)
RANGE: G 1.5400 LABEL: N 2, 3.0 QUAN: A 2, 2.0 J 0 BASE: U 20, 3



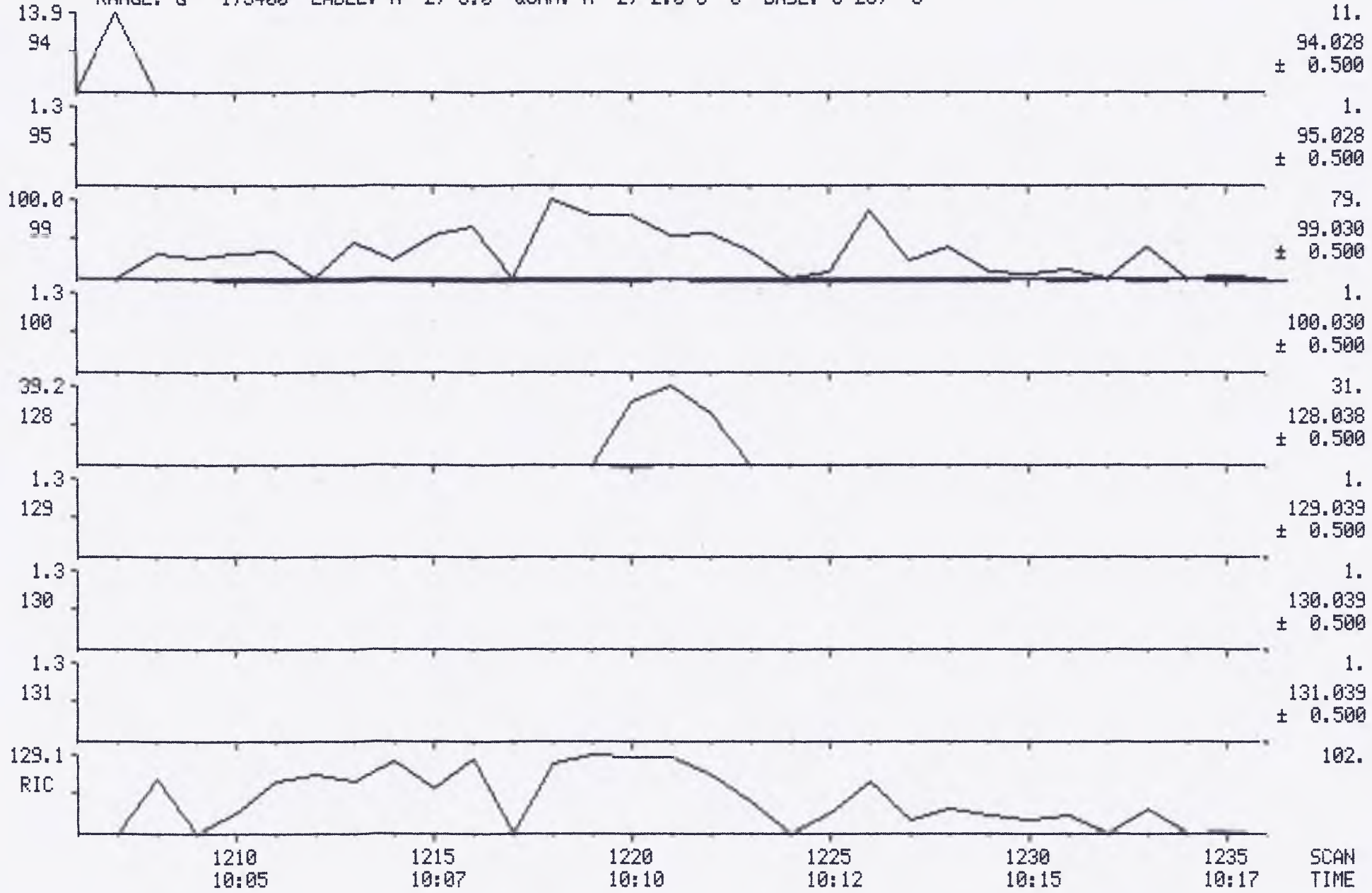
MIDRIC+MASS CHROMATOGRAMS DATA: W130150 #1192 SCANS 1177 TO 1207
04/29/91 8:53:00 CALI: W130150 #5
SAMPLE: W130150 RIDGEFIELD 100% 1ML/2UL INJ
CONDS.: WDOE 35 DEG 2 MIN 50 DEG @ 5 MIN 320 DEG @ 8 DEG/MIN
CS45 D5-PHENOL (SS)
RANGE: G 1,5400 LABEL: N 2, 3.0 QUAN: A 2, 2.0 J 0 BASE: U 20, 3



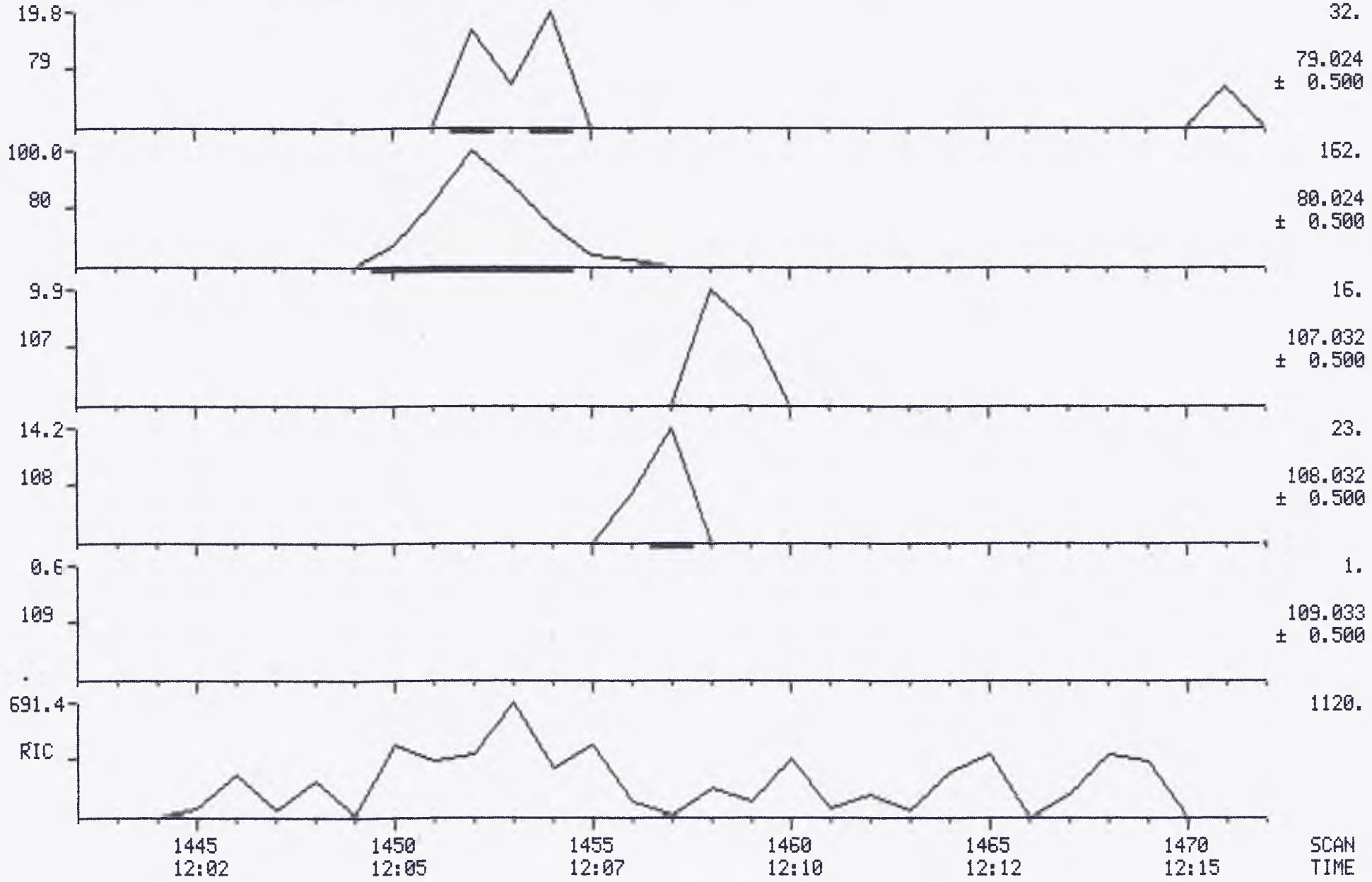
MIDRIC+MASS CHROMATOGRAMS DATA: W130150 #1196 SCANS 1181 TO 1211
04/29/91 8:53:00 CALI: W130150 #5
SAMPLE: W130150 RIDGEFIELD 100% 1ML/2UL INJ
CONDS.: WDOE 35 DEG 2 MIN 50 DEG @ 5 MIN 320 DEG @ 8 DEG/MIN
C315 PHENOL
RANGE: G 1.5400 LABEL: N 2, 3.0 QUAN: A 2, 2.0 J 0 BASE: U 20, 3



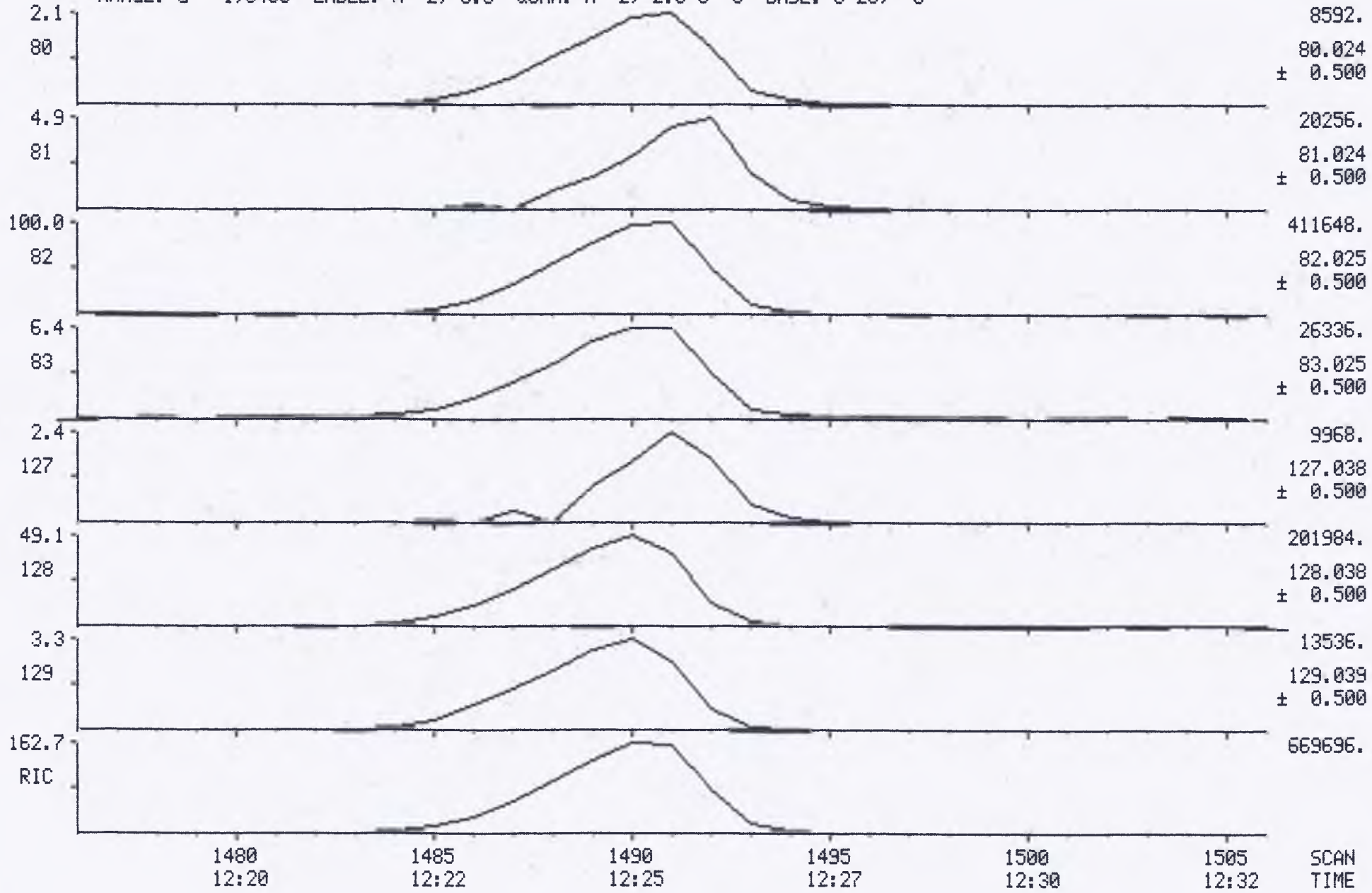
MIDRIC+MASS CHROMATOGRAMS DATA: W130150 #1221 SCANS 1206 TO 1236
04/29/91 8:53:00 CALI: W130150 #5
SAMPLE: W130150 RIDGEFIELD 100% 1ML/2UL INJ
CONDS.: WDOE 35 DEG 2 MIN 50 DEG @ 5 MIN 320 DEG @ 8 DEG/MIN
C330 2-CHLOROPHENOL
RANGE: G 1,5400 LABEL: N 2, 3.0 QUAN: A 2, 2.0 J 0 BASE: U 20, 3



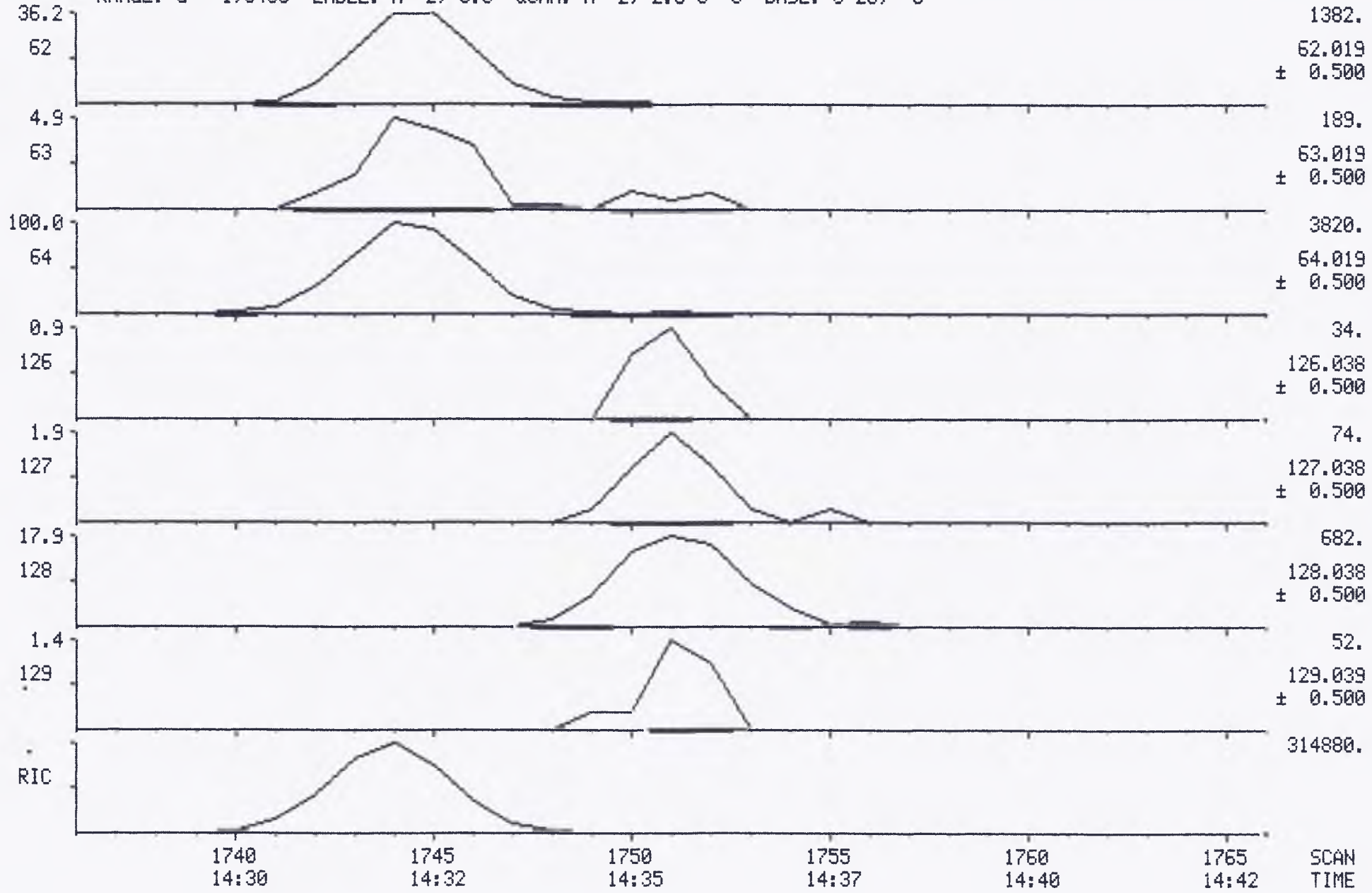
MIDRIC+MASS CHROMATOGRAMS DATA: W130150 #1457 SCANS 1442 TO 1472
04/29/91 8:53:00 CALI: W130150 #5
SAMPLE: W130150 RIDGEFIELD 100% 1ML/2UL INJ
CONDS.: WDOE 35 DEG 2 MIN 50 DEG @ 5 MIN 320 DEG @ 8 DEG/MIN
C365 4-METHYLPHENOL
RANGE: G 1,5400 LABEL: N 2, 3.0 QUAN: A 2, 2.0 J 0 BASE: U 20, 3



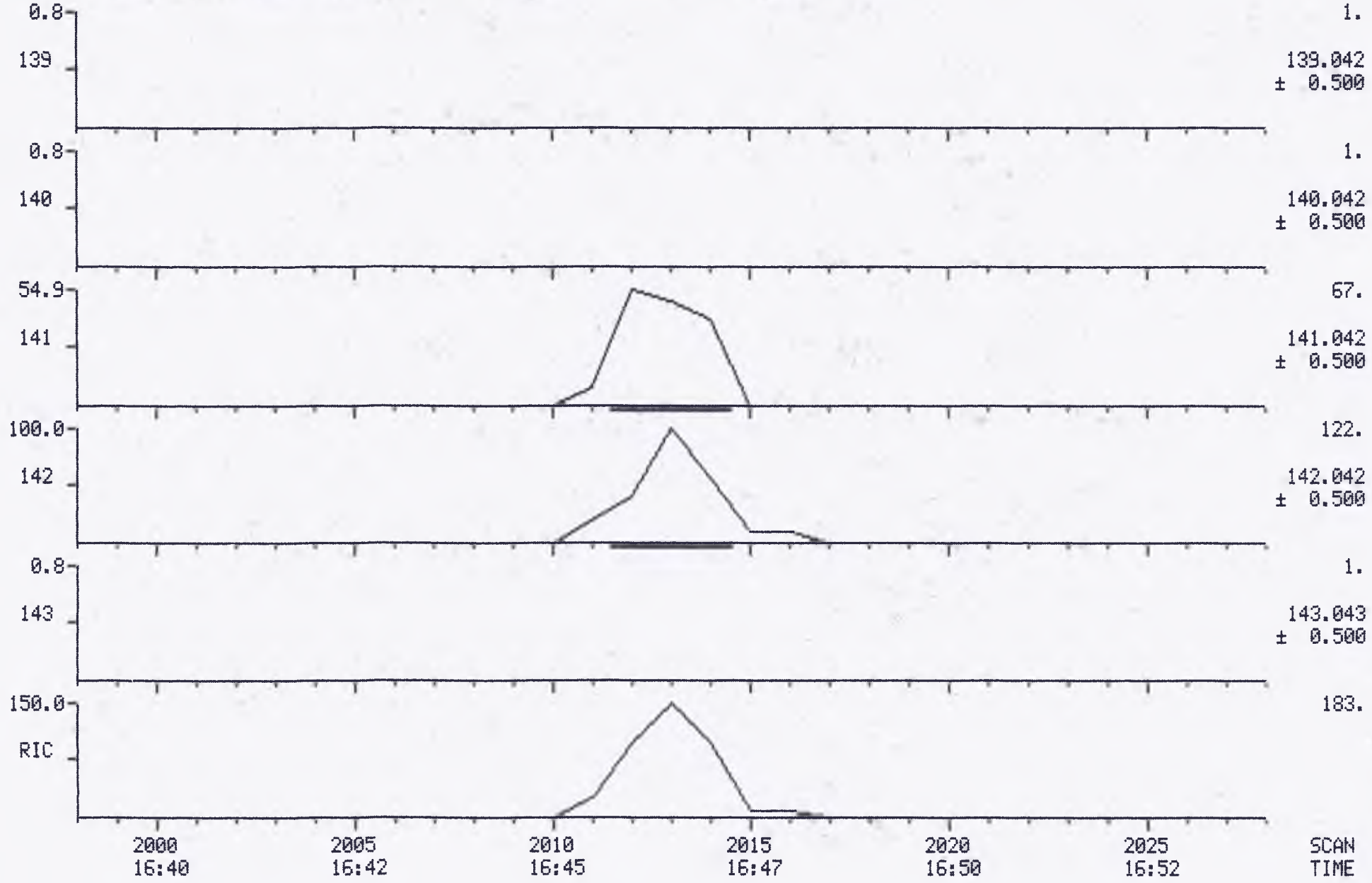
MIDRIC+MASS CHROMATOGRAMS DATA: W130150 #1491 SCANS 1476 TO 1506
04/29/91 8:53:00 CALI: W130150 #5
SAMPLE: W130150 RIDGEFIELD 100% 1ML/2UL INJ
CONDS.: WDOE 35 DEG 2 MIN 50 DEG @ 5 MIN 320 DEG @ 8 DEG/MIN
CS20 D5-NITROBENZENE (SS)
RANGE: G 1,5400 LABEL: N 2, 3.0 QUAN: A 2, 2.0 J 0 BASE: U 20, 3



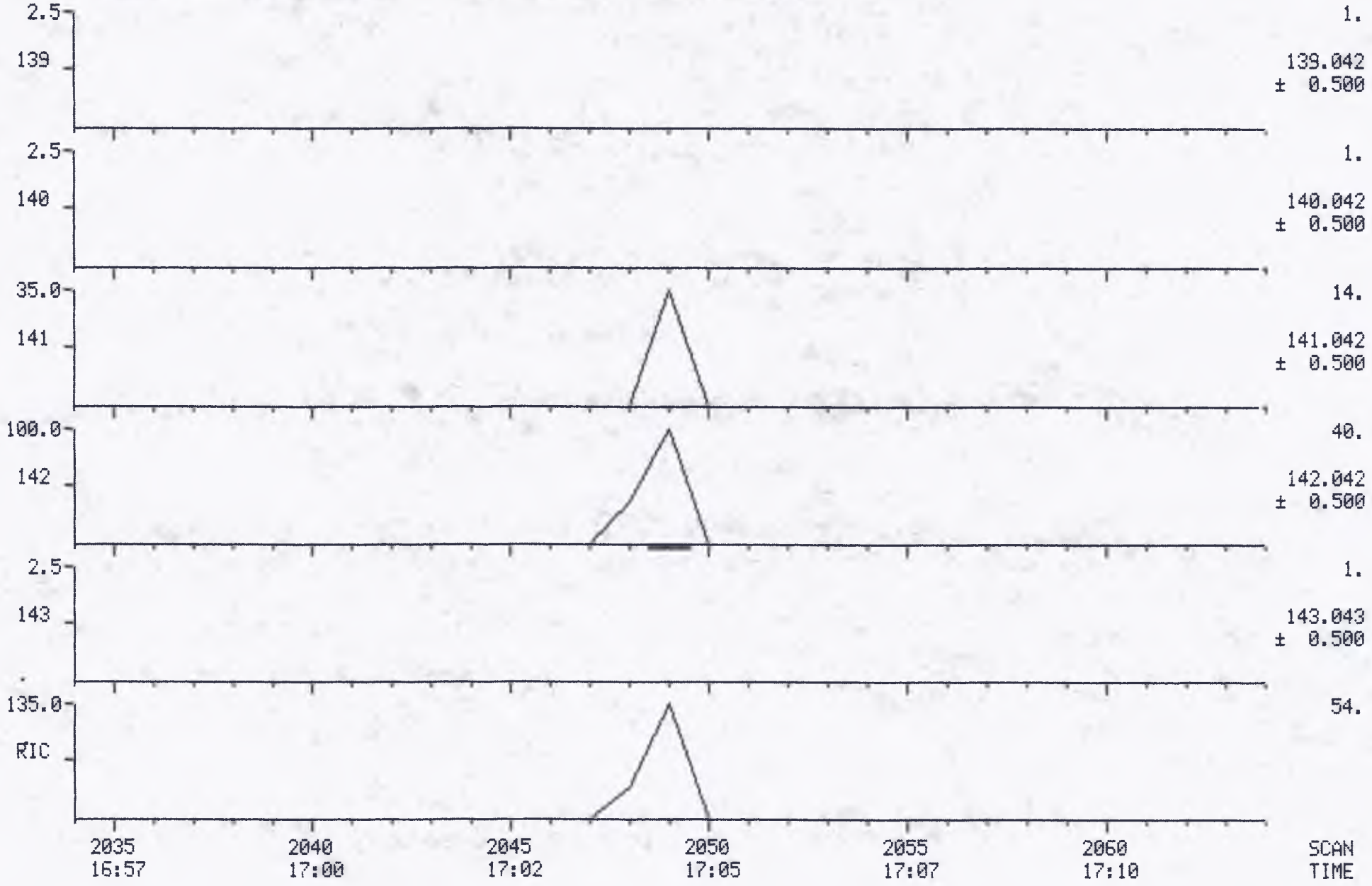
MIDRIC+MASS CHROMATOGRAMS DATA: W130150 #1751 SCANS 1736 TO 1766
04/29/91 8:53:00 CALI: W130150 #5
SAMPLE: W130150 RIDGEFIELD 100% 1ML/2UL INJ
CONDS.: WDOE 35 DEG 2 MIN 50 DEG @ 5 MIN 320 DEG @ 8 DEG/MIN
C450 NAPHTHALENE
RANGE: G 1,5400 LABEL: N 2, 3.0 QUAN: A 2, 2.0 J 0 BASE: U 20, 3



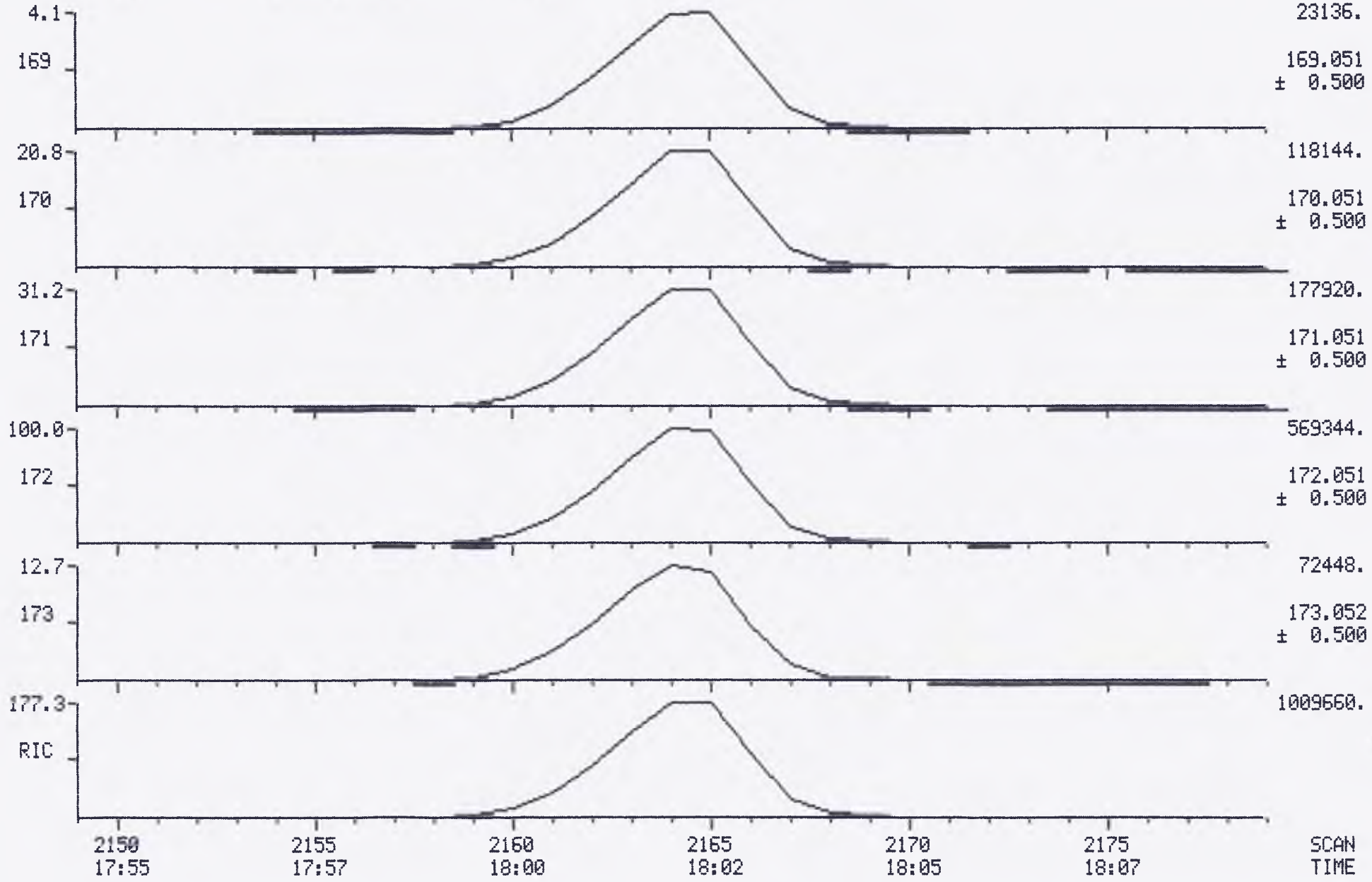
MIDRIC+MASS CHROMATOGRAMS DATA: W130150 #2013 SCANS 1998 TO 2028
04/29/91 8:53:00 CALI: W130150 #5
SAMPLE: W130150 RIDGEFIELD 100% 1ML/2UL INJ
CONDS.: WDOE 35 DEG 2 MIN 50 DEG @ 5 MIN 320 DEG @ 8 DEG/MIN
C470 2-METHYLNAPHTHALENE
RANGE: G 1,5400 LABEL: N 2, 3.0 QUAN: A 2, 2.0 J 0 BASE: U 20, 3



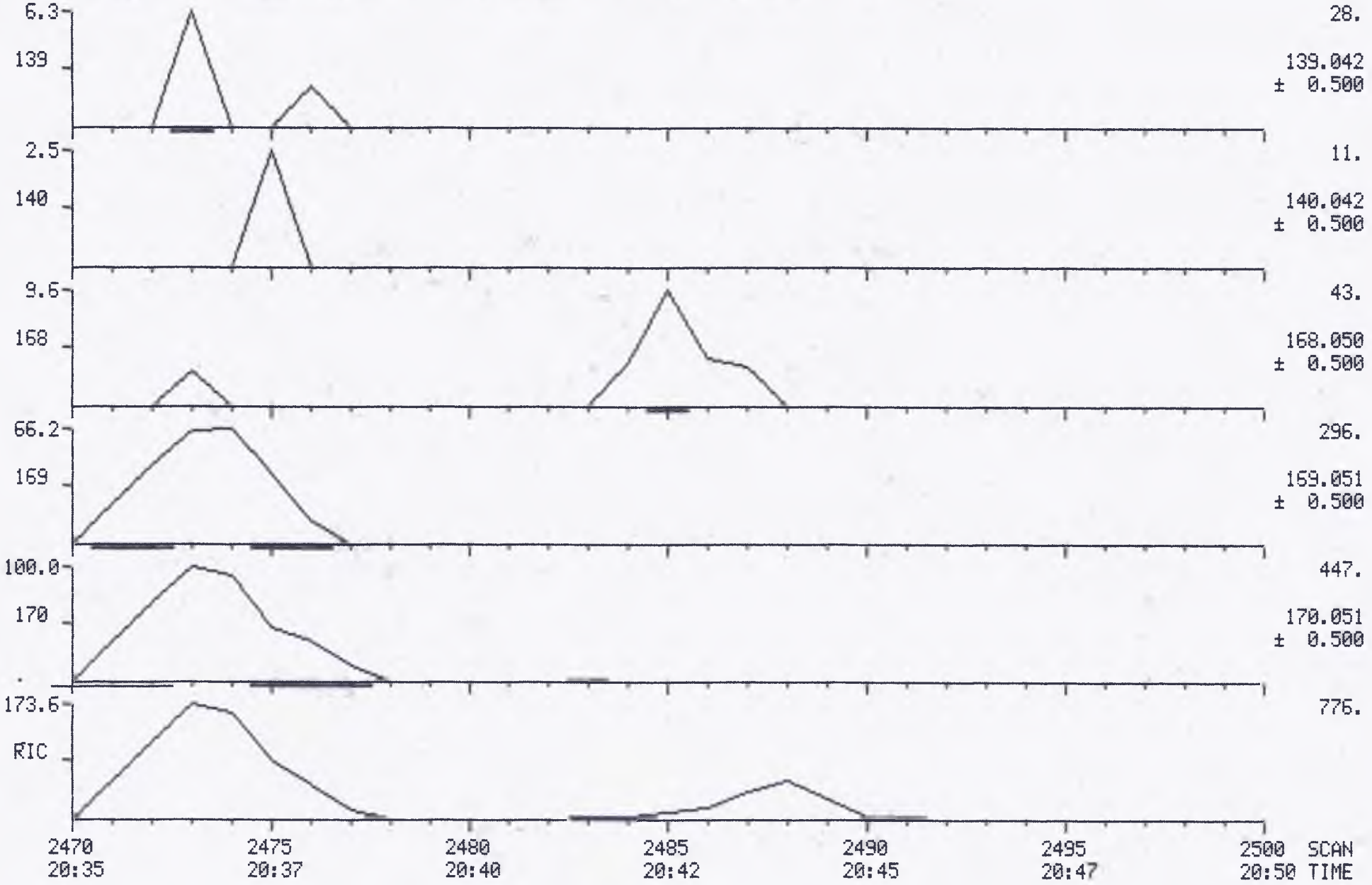
MIDRIC+MASS CHROMATOGRAMS DATA: W130150 #2049 SCANS 2034 TO 2064
04/29/91 8:53:00 CALI: W130150 #5
SAMPLE: W130150 RIDGEFIELD 100% 1ML/2UL INJ
CONDS.: WDOE 35 DEG 2 MIN 50 DEG @ 5 MIN 320 DEG @ 8 DEG/MIN
C475 1-METHYLNAPHTHALENE
RANGE: G 1,5400 LABEL: N 2, 3.0 QUAN: A 2, 2.0 J 0 BASE: U 20, 3



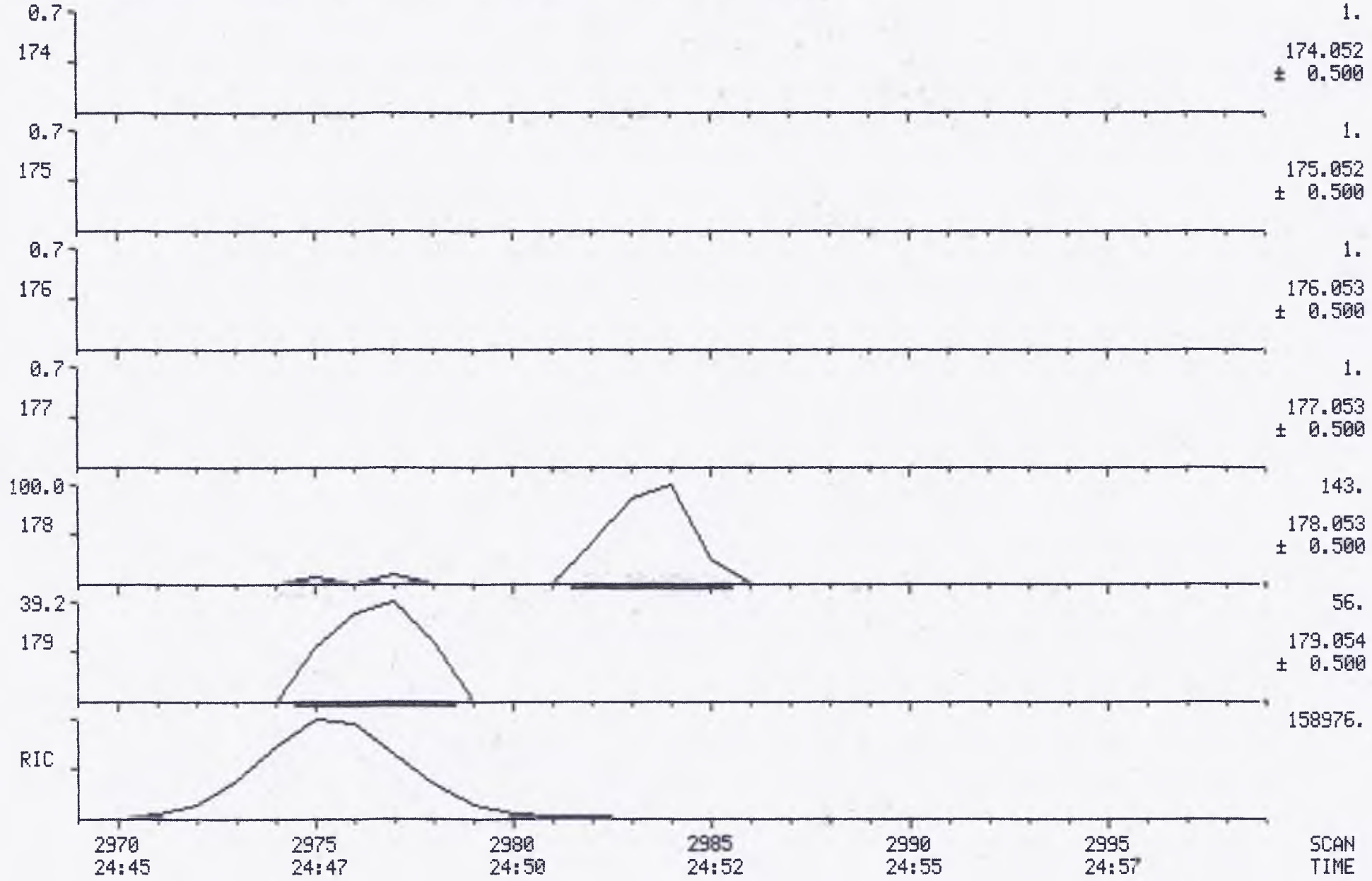
MIDRIC+MASS CHROMATOGRAMS DATA: W130150 #2164 SCANS 2149 TO 2179
04/29/91 8:53:00 CALI: W130150 #5
SAMPLE: W130150 RIDGEFIELD 100% 1ML/2UL INJ
CONDS.: WDOE 35 DEG 2 MIN 50 DEG @ 5 MIN 320 DEG @ 8 DEG/MIN
CS25 2-FLUOROBIPHENYL (SS)
RANGE: G 1,5400 LABEL: N 2, 3.0 QUAN: A 2, 2.0 J 0 BASE: U 20, 3



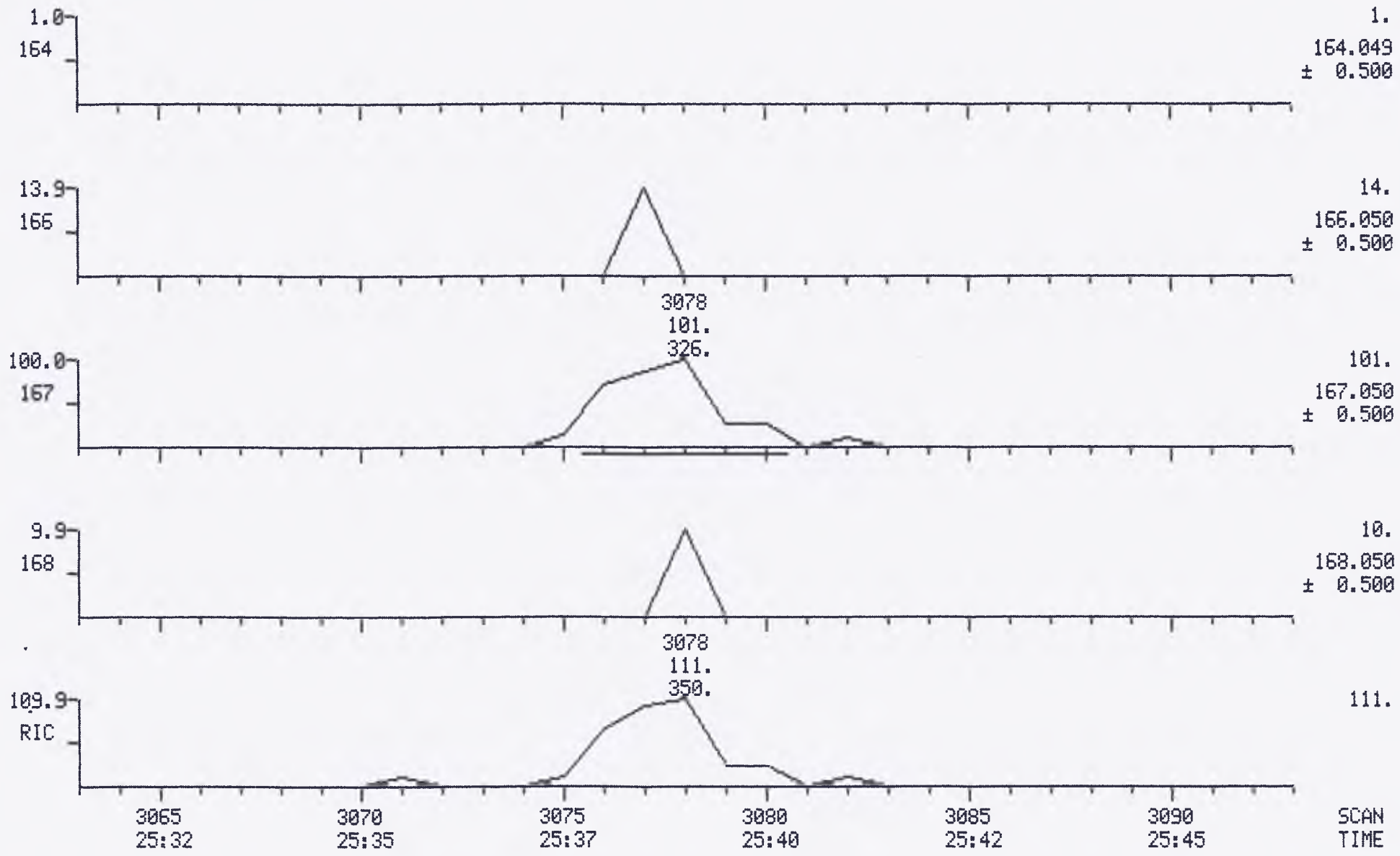
MIDRIC+MASS CHROMATOGRAMS DATA: W130150 #2485 SCANS 2470 TO 2500
04/29/91 8:53:00 CALI: W130150 #5
SAMPLE: W130150 RIDGEFIELD 100% 1ML/2UL INJ
CONDS.: WDOE 35 DEG 2 MIN 50 DEG @ 5 MIN 320 DEG @ 8 DEG/MIN
C565 DIBENZOFURAN
RANGE: G 1,5400 LABEL: N 2, 3.0 QUAN: A 2, 2.0 J 0 BASE: U 20, 3



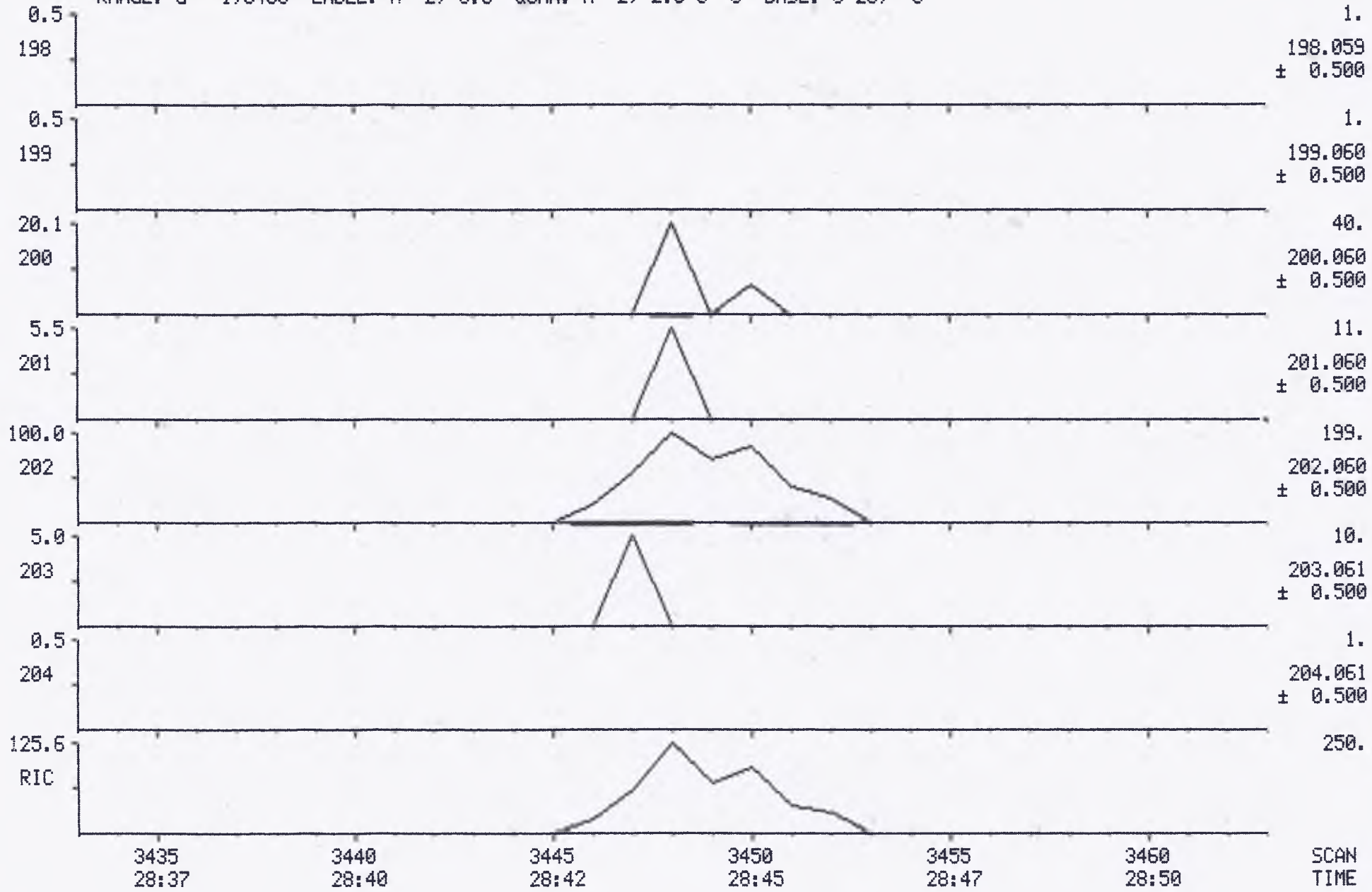
MIDRIC+MASS CHROMATOGRAMS DATA: W130150 #2984 SCANS 2969 TO 2999
04/29/91 8:53:00 CALI: W130150 #5
SAMPLE: W130150 RIDGEFIELD 100% 1ML/2UL INJ
CONDS.: WDOE 35 DEG 2 MIN 50 DEG @ 5 MIN 320 DEG @ 8 DEG/MIN
C640 PHENANTHRENE
RANGE: G 1,5400 LABEL: N 2, 3.0 QUAN: A 2, 2.0 J 0 BASE: U 20, 3



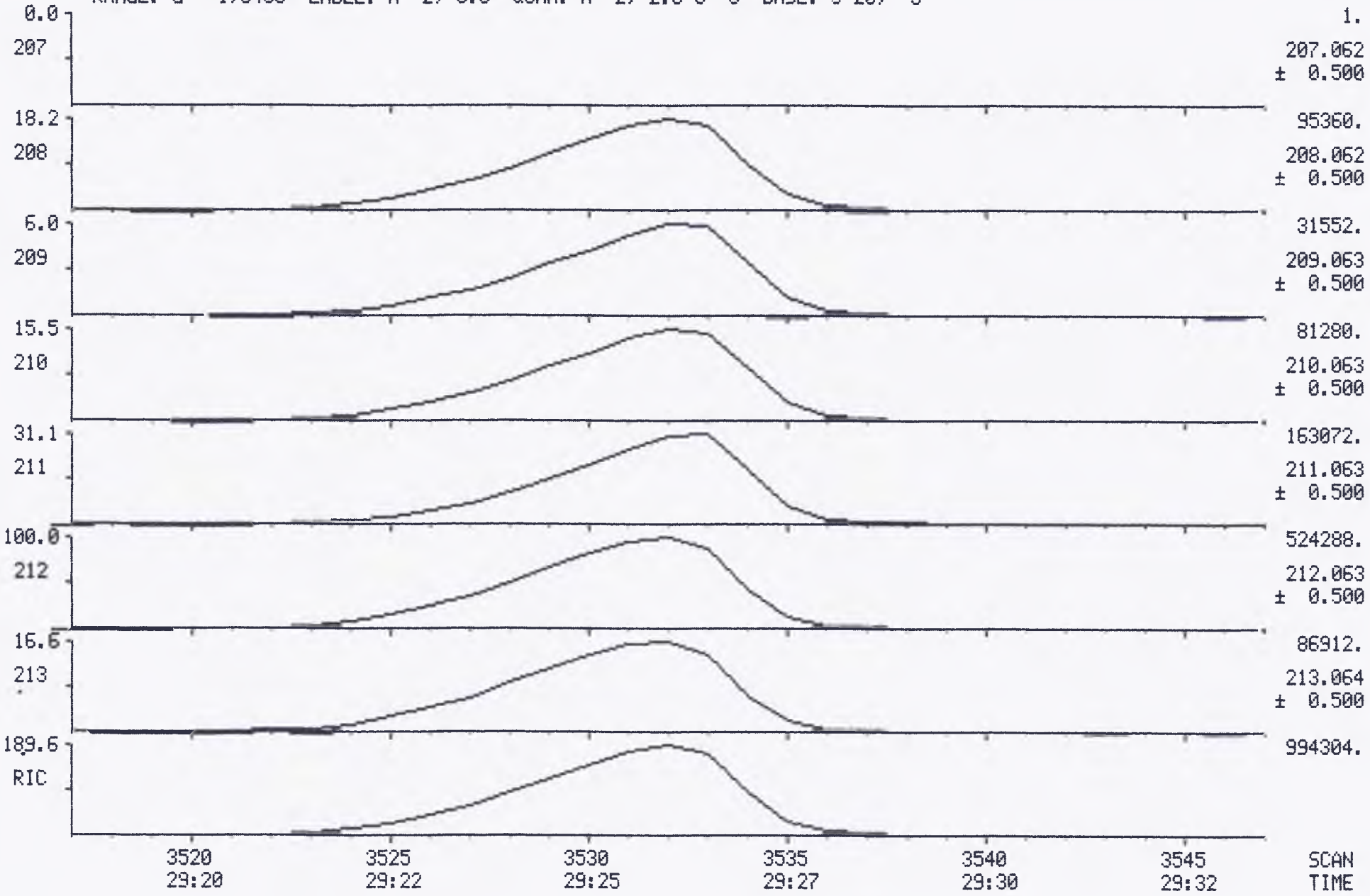
MIDRIC+MASS CHROMATOGRAMS DATA: W130150 #3078 SCANS 3063 TO 3093
04/29/91 8:53:00 CALI: W130150 #5
SAMPLE: W130150 RIDGEFIELD 100% 1ML/2UL INJ
CONDS.: WDOE 35 DEG 2 MIN 50 DEG @ 5 MIN 320 DEG @ 8 DEG/MIN
C647 9H-CARBAZOLE
RANGE: G 1,5400 LABEL: N 2, 3.0 QUAN: A 2, 2.0 J 0 BASE: U 20, 3



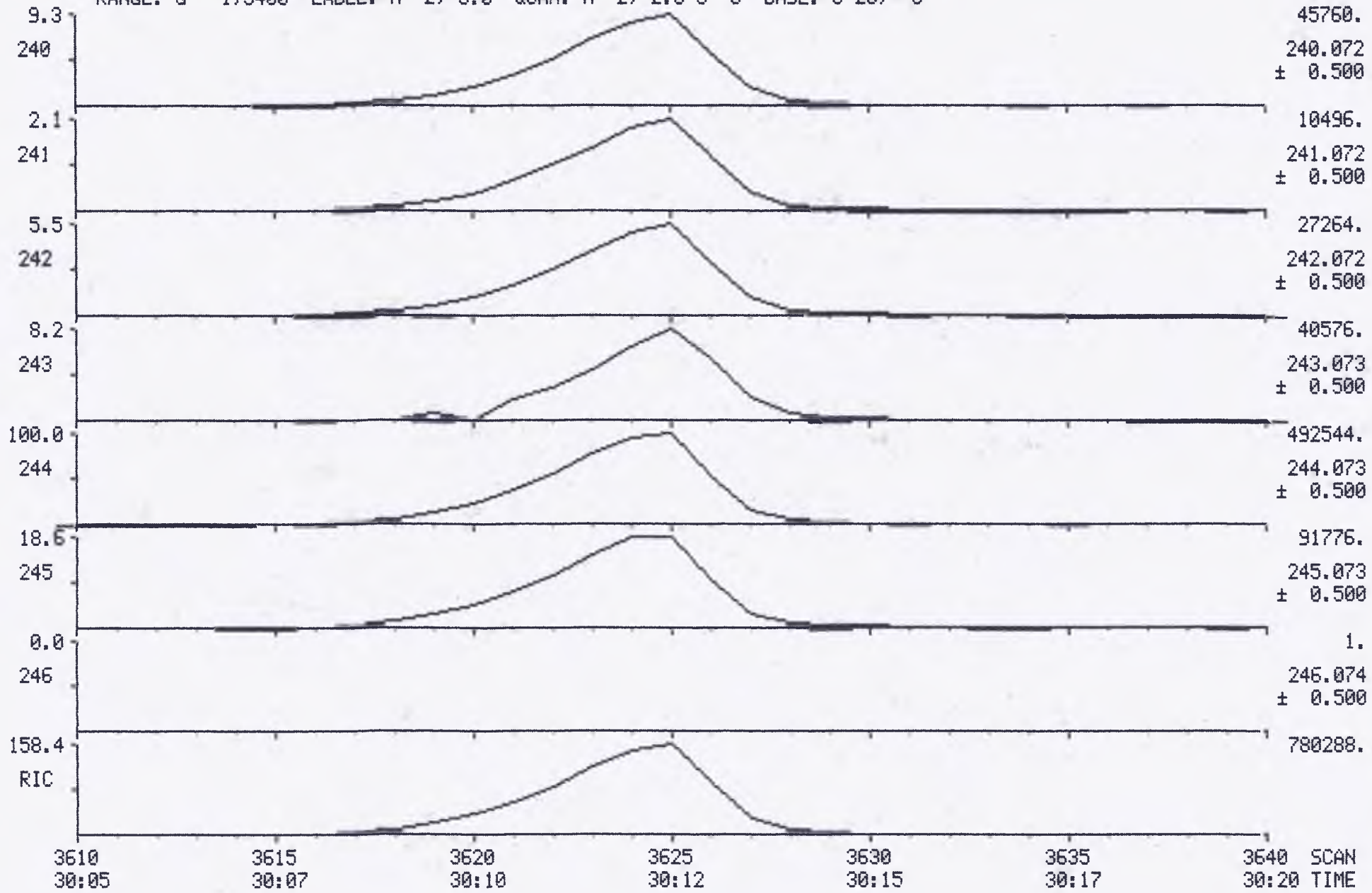
MIDRIC+MASS CHROMATOGRAMS DATA: W130150 #3448 SCANS 3433 TO 3463
04/29/91 8:53:00 CALI: W130150 #5
SAMPLE: W130150 RIDGEFIELD 100% 1ML/2UL INJ
CONDS.: WDOE 35 DEG 2 MIN 50 DEG @ 5 MIN 320 DEG @ 8 DEG/MIN
C655 FLUORANTHENE
RANGE: G 1.5400 LABEL: N 2, 3.0 QUAN: A 2, 2.0 J 0 BASE: U 20, 3



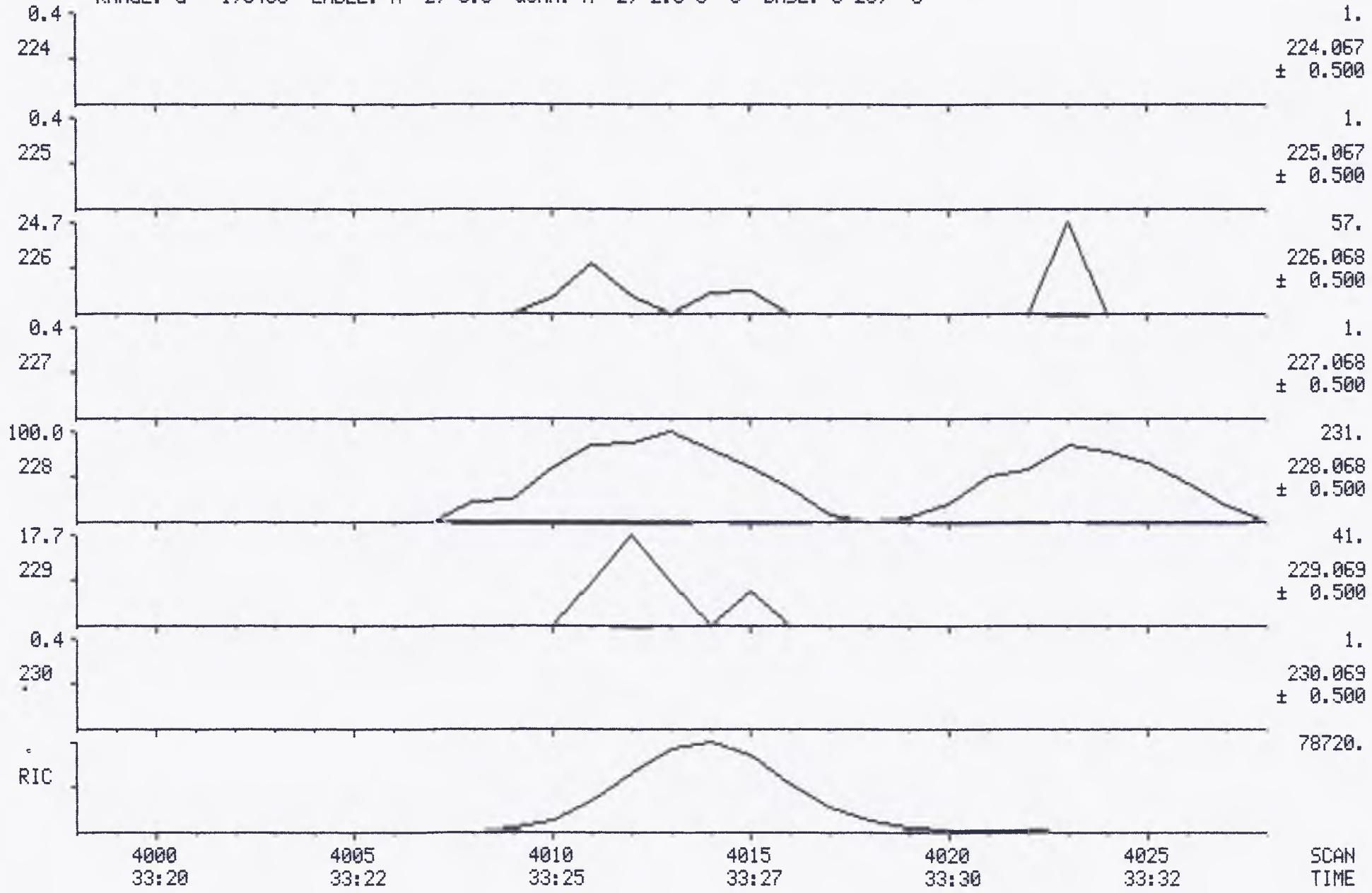
MIDRIC+MASS CHROMATOGRAMS DATA: W130150 #3532 SCANS 3517 TO 3547
04/29/91 8:53:00 CALI: W130150 #5
SAMPLE: W130150 RIDGEFIELD 100% 1ML/2UL INJ
CONDS.: WDOE 35 DEG 2 MIN 50 DEG @ 5 MIN 320 DEG @ 8 DEG/MIN
CS35 D10-PYRENE (SS)
RANGE: G 1,5400 LABEL: N 2, 3.0 QUAN: A 2, 2.0 J 0 BASE: U 20, 3



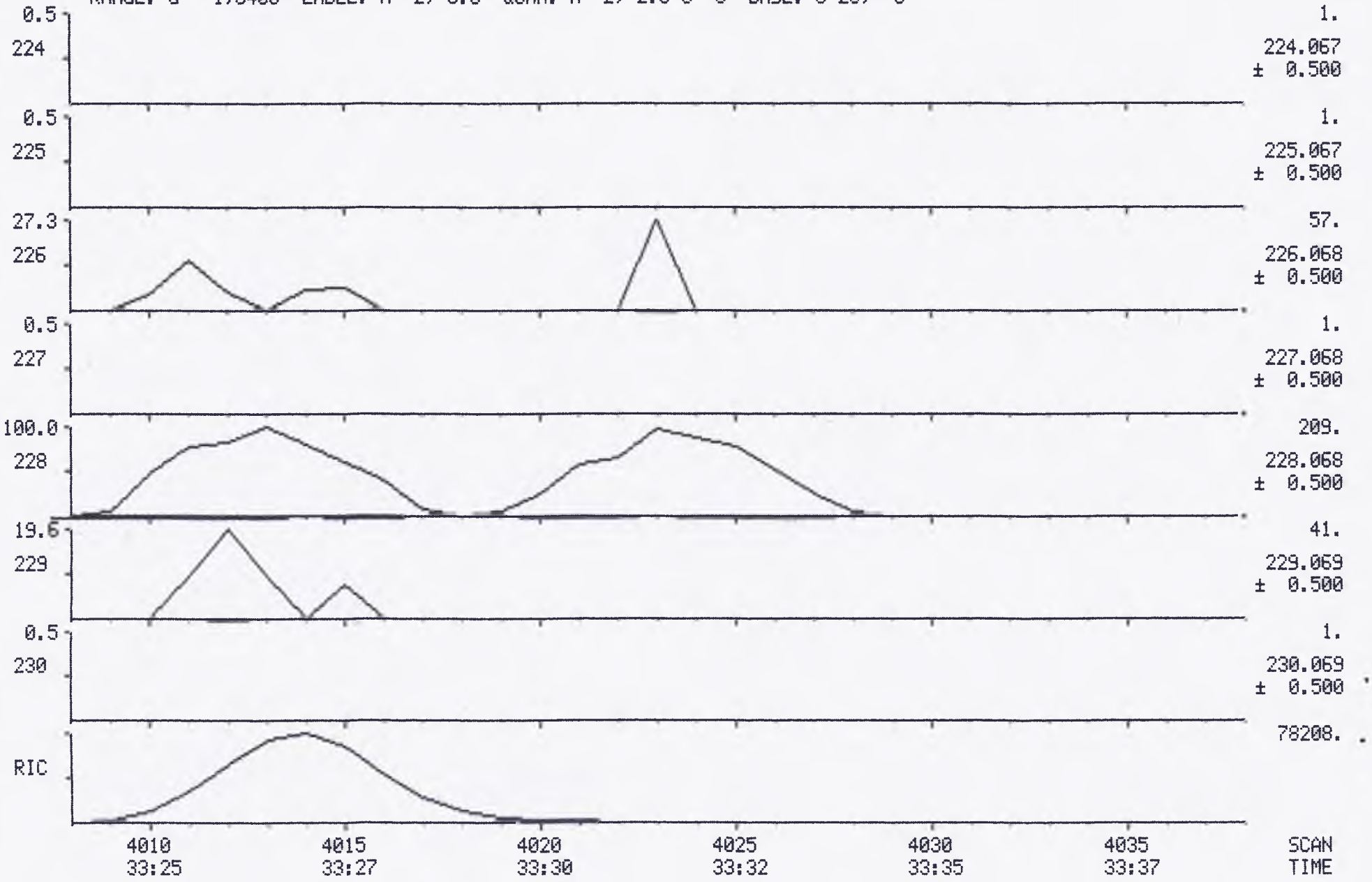
MIDRIC+MASS CHROMATOGRAMS DATA: W130150 #3625 SCANS 3610 TO 3640
04/29/91 8:53:00 CALI: W130150 #5
SAMPLE: W130150 RIDGEFIELD 100% 1ML/2UL INJ
CONDS.: WDOE 35 DEG 2 MIN 50 DEG @ 5 MIN 320 DEG @ 8 DEG/MIN
CS30 D14-TERPHENYL (SS)
RANGE: G 1,5400 LABEL: N 2, 3.0 QUAN: A 2, 2.0 J 0 BASE: U 20, 3



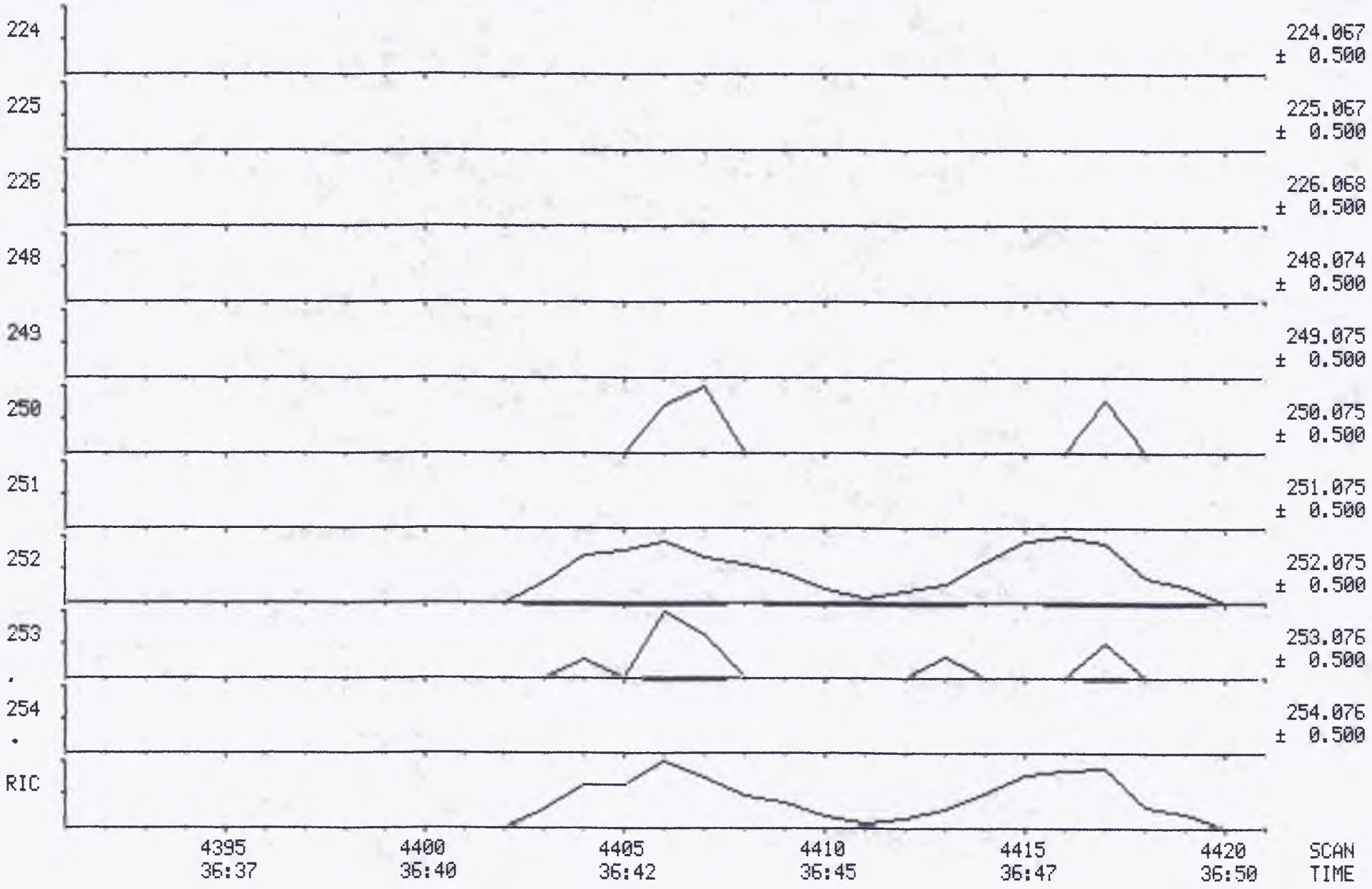
MIDRIC+MASS CHROMATOGRAMS DATA: W130150 #4013 SCANS 3998 TO 4028
04/29/91 8:53:00 CALI: W130150 #5
SAMPLE: W130150 RIDGEFIELD 100% 1ML/2UL INJ
CONDS.: WDOE 35 DEG 2 MIN 50 DEG @ 5 MIN 320 DEG @ 8 DEG/MIN
C730 BENZO(A)ANTHRACENE
RANGE: G 1,5400 LABEL: N 2, 3.0 QUAN: A 2, 2.0 J 0 BASE: U 20, 3



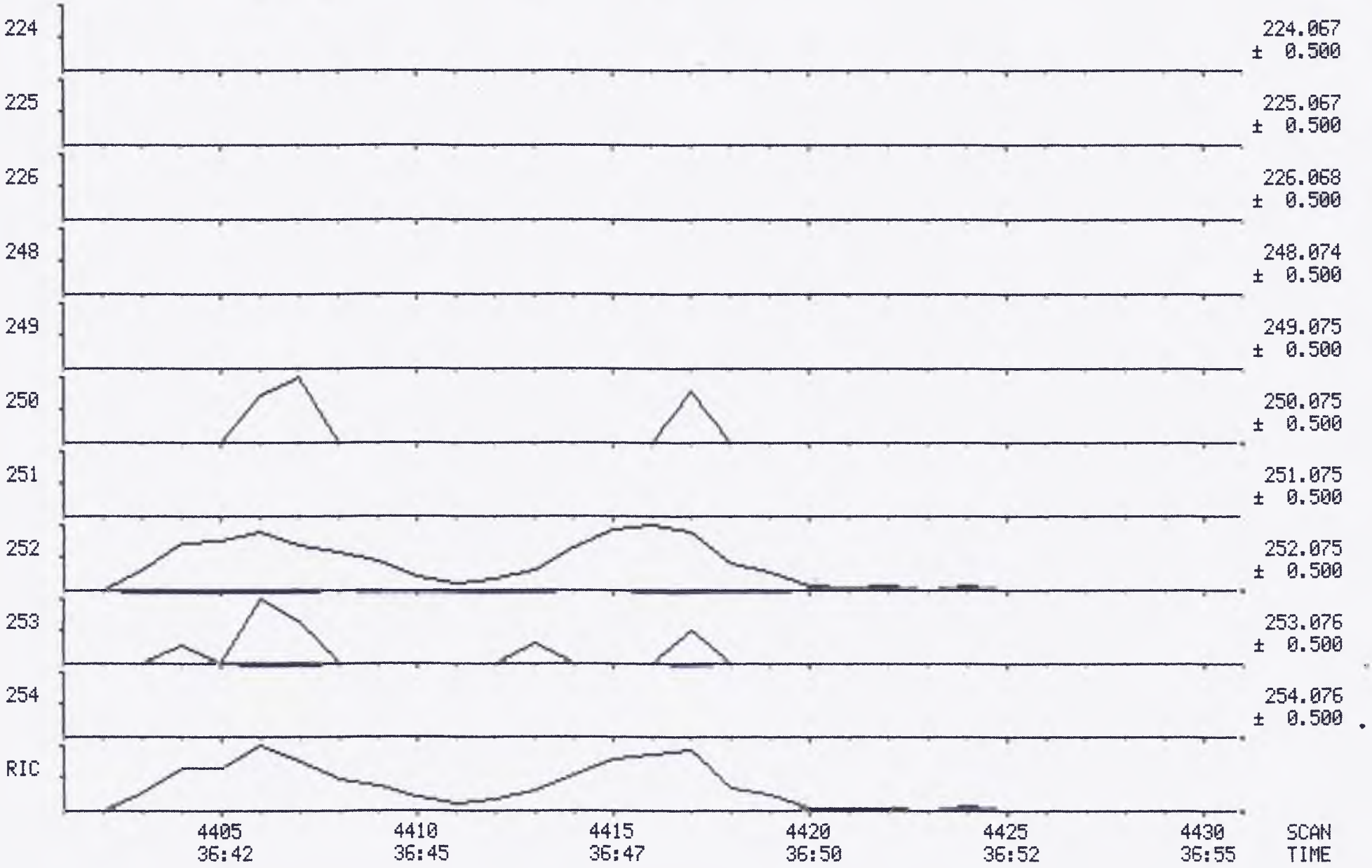
MIDRIC+MASS CHROMATOGRAMS DATA: W130150 #4023 SCANS 4008 TO 4038
04/29/91 8:53:00 CALI: W130150 #5
SAMPLE: W130150 RIDGEFIELD 100% 1ML/2UL INJ
CONDS.: WDOE 35 DEG 2 MIN 50 DEG @ 5 MIN 320 DEG @ 8 DEG/MIN
C740 CHRYSENE
RANGE: G 1,5400 LABEL: N 2, 3.0 QUAN: A 2, 2.0 J 0 BASE: U 20, 3



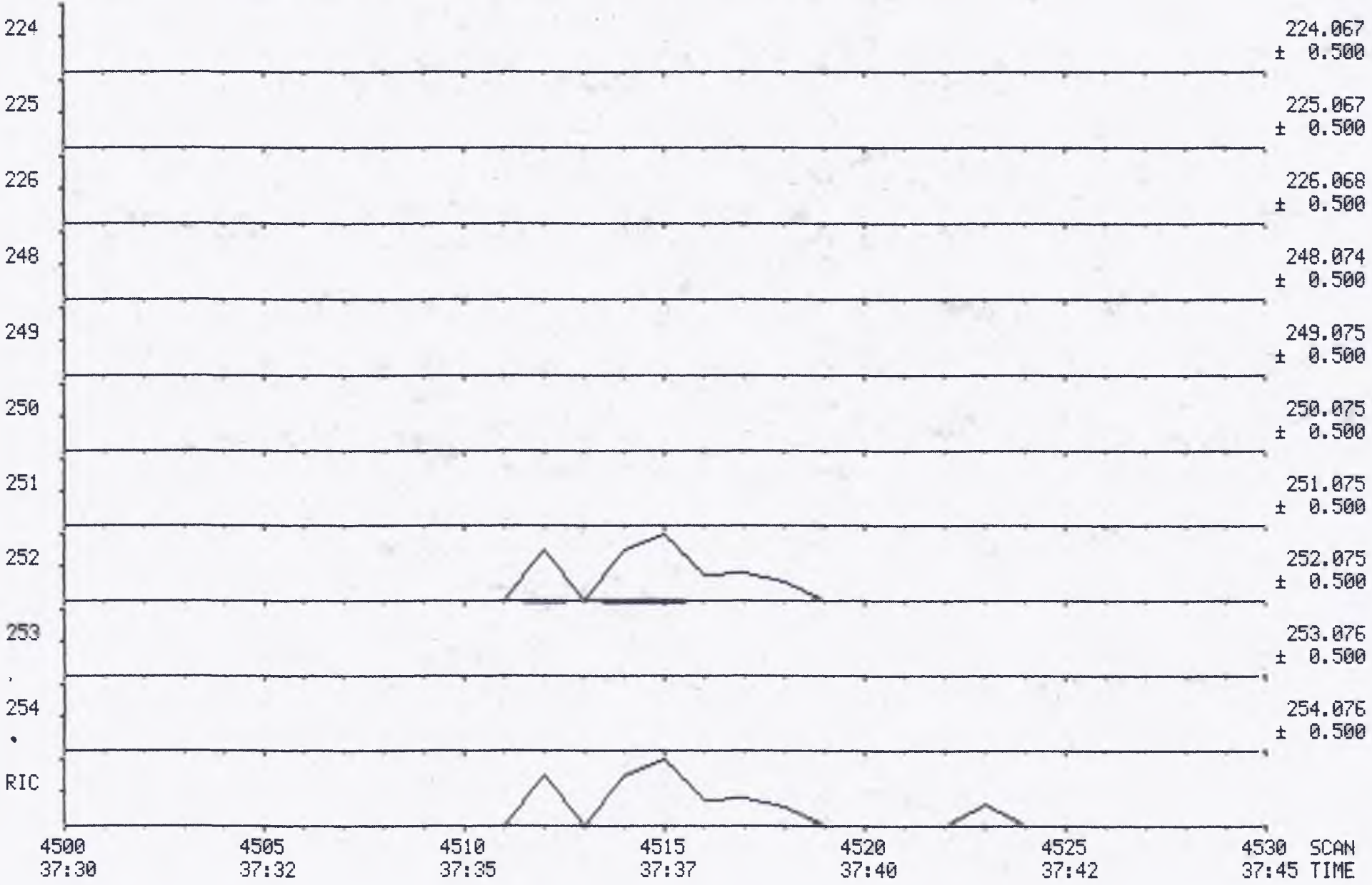
MIDRIC+MASS CHROMATOGRAMS DATA: W130150 #4406 SCANS 4391 TO 4421
04/29/91 8:53:00 CALI: W130150 #5
SAMPLE: W130150 RIDGEFIELD 100% 1ML/2UL INJ
CONDS.: WDOE 35 DEG 2 MIN 50 DEG @ 5 MIN 320 DEG @ 8 DEG/MIN
C765 BENZO(B)FLUORANTHENE
RANGE: G 1,5400 LABEL: N 2, 3.0 QUAN: A 2, 2.0 J 0 BASE: U 20, 3



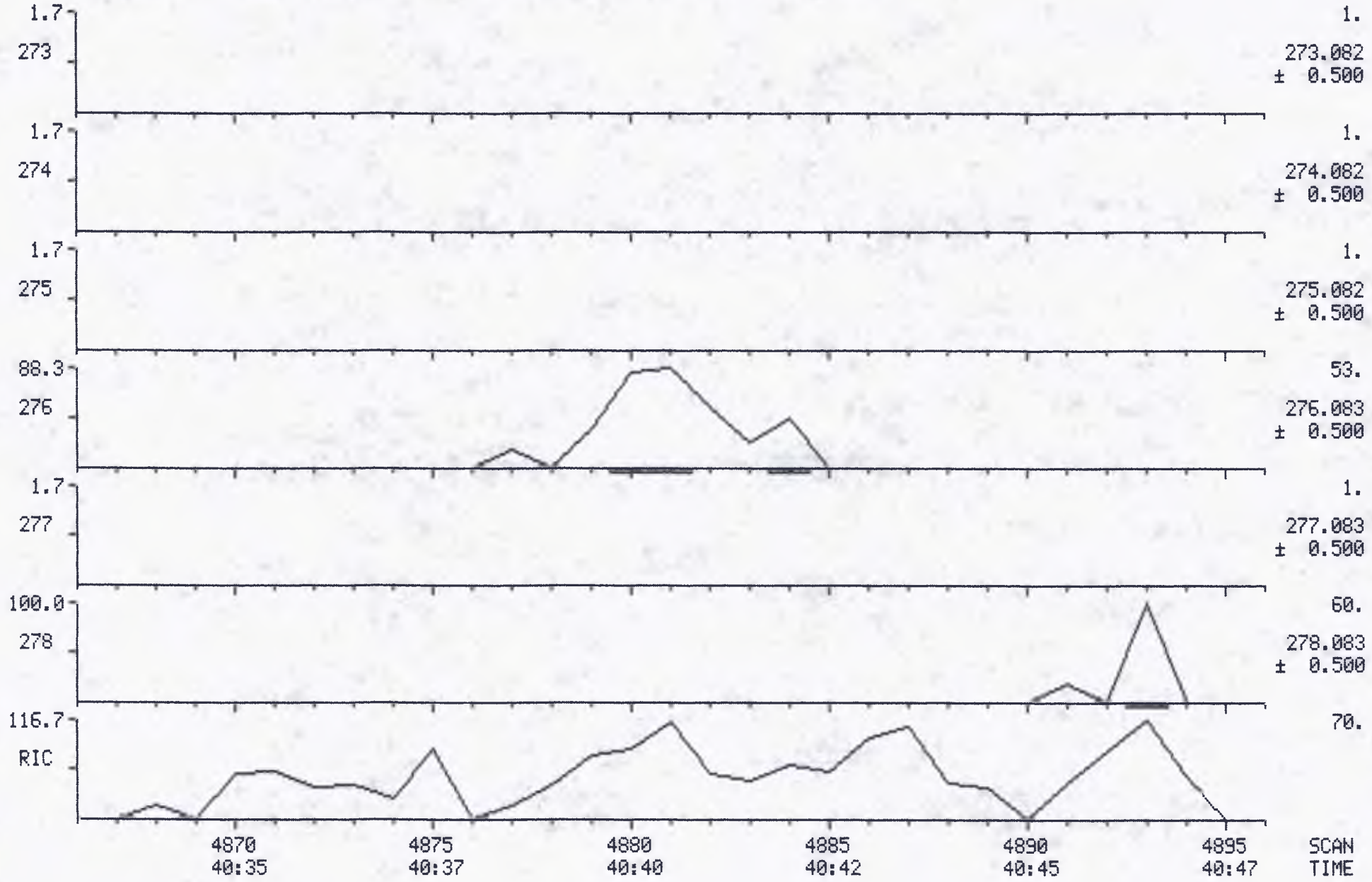
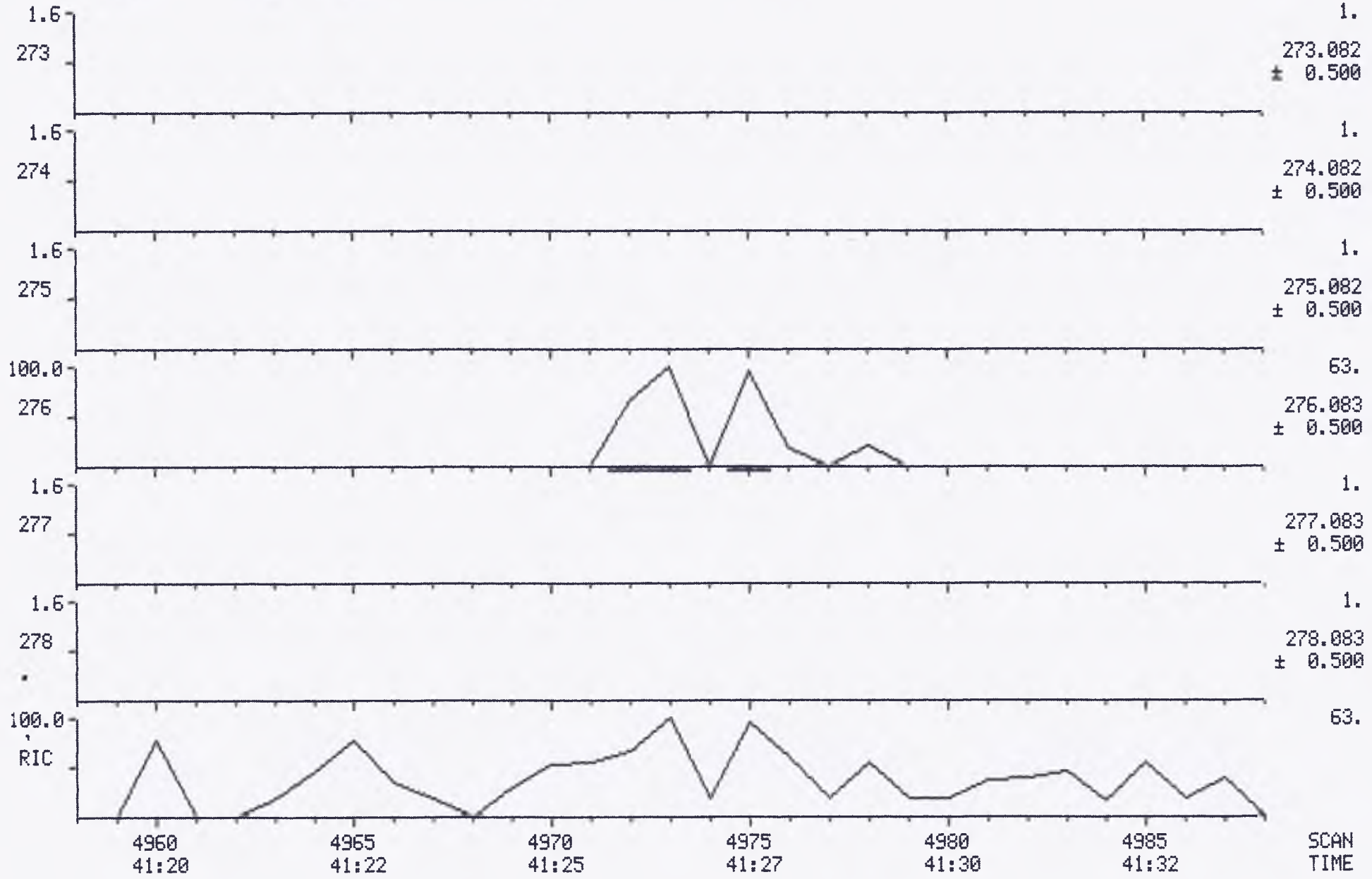
MIDRIC+MASS CHROMATOGRAMS DATA: W130150 #4416 SCANS 4401 TO 4431
04/29/91 8:53:00 CALI: W130150 #5
SAMPLE: W130150 RIDGEFIELD 100% 1ML/2UL INJ
CONDS.: WDOE 35 DEG 2 MIN 50 DEG @ 5 MIN 320 DEG @ 8 DEG/MIN
C770 BENZO(K)FLUORANTHENE
RANGE: G 1,5400 LABEL: N 2, 3.0 QUAN: A 2, 2.0 J 0 BASE: U 20, 3



MIDRIC+MASS CHROMATOGRAMS DATA: W130150 #4515 SCANS 4500 TO 4530
04/29/91 8:53:00 CALI: W130150 #5
SAMPLE: W130150 RIDGEFIELD 100% 1ML/2UL INJ
CONDS.: WDOE 35 DEG 2 MIN 50 DEG @ 5 MIN 320 DEG @ 8 DEG/MIN
C775 BENZO(A)PYRENE
RANGE: G 1,5400 LABEL: N 2, 3.0 QUAN: A 2, 2.0 J 0 BASE: U 20, 3



MIDRIC+MASS CHROMATOGRAMS DATA: W130150 #4881 SCANS 4866 TO 4896
04/29/91 8:53:00 CALI: W130150 #5
SAMPLE: W130150 RIDGEFIELD 100% 1ML/2UL INJ
CONDS.: WDOE 35 DEG 2 MIN 50 DEG @ 5 MIN 320 DEG @ 8 DEG/MIN
C780 INDENO(1,2,3-CD)PYRENE
RANGE: G 1,5400 LABEL: N 2, 3.0 QUAN: A 2, 2.0 J 0 BASE: U 20, 3



MIDRIC+MASS CHROMATOGRAMS DATA: W130150 #4973 SCANS 4958 TO 4988
04/29/91 8:53:00 CALI: W130150 #5
SAMPLE: W130150 RIDGEFIELD 100% 1ML/2UL INJ
CONDS.: WDOE 35 DEG 2 MIN 50 DEG @ 5 MIN 320 DEG @ 8 DEG/MIN
C790 BENZO(G,H,I)PERYLENE
RANGE: G 1,5400 LABEL: N 2, 3.0 QUAN: A 2, 2.0 J 0 BASE: U 20, 3