*528SERBSF10,631*

*528SERBSF10,631*

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AnalytiKEM An American NuKEM Company

**AnalytiKEM Inc.**
454 S. Anderson Road, BTC 532
Rock Hill, SC 29730
803/329-9690

TEST REPORT NO. A81104-Supplemental

April 30, 1991

Prepared for:

Ensci
1108 Thomasville Road
High Point, NC 27260

Attention: Bruce Braswell

Project: Thomasville Furn

Date of Sample Receipt: April 4, 1991

Reviewed &
Approved by: _____

Name: William A. Fithian

Title: Technical Manager

CERCLA

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AnalytiKEM

## I. Certification

AnalytiKEM, Inc.
Current Certifications/Regulatory Approvals

Tabulated below are the current laboratory certifications that are held by each AnalytiKEM Laboratory. Analyses performed at multiple AnalytiKEM locations will be noted in the test report.

| Cherry Hill, NJ | | Rock Hill, SC | | Wilmington, Mass. | |
|---|---|---|---|---|---|
| State | Cert # | State | Cert # | State | Cert # |
| Arkansas | * | S. Carolina | 46067 | Connecticut | PH-0543 |
| Connecticut | PH-0715 | N. Carolina | 316 | Maine | 12010087 |
| Florida | 880985G | New Jersey | 79795 | Massachusetts | MA037 |
| Massachusetts | NJ117 | | | New Hampshire | 198950-A |
| New Jersey | 04012 | | | New Hampshire | 198950-C |
| New York | 10815 | | | New Jersey | 59521 |
| N. Carolina | 258 | | | New York | 11135 |
| N. Dakota | R-038 | | | S. Carolina | 88008 |
| Pennsylvania | 68366 | | | | |
| S. Carolina | 94004 | | | | |
| Tennessee | 02908 | | | | |
| Vermont | * | | | | |

| Houston Analytical, Tx | |
|---|---|
| State | Cert # |
| N. Dakota | R-006 |
| Oklahoma | 8403 |
| Texas Water Commission | * |
| Louisiana | * |

* No certification numbers are issued for these states.

## II. Definition of Terms

AnalytiKEM

| Term | Definition |
|---|---|
| D | Detected; result must be greater than zero. |
| DI | Deionized Water |
| J | Compound was detected at levels below the practical quantitation limit. The level reported is approximate. |
| MS/MSD | Matrix Spike/Matrix Spike Duplicate. |
| NA | Analysis not applicable to the sample matrix. |
| ND | Not Detected |
| NR | Not Requested |
| NTU | Nephelometric Turbidity Units |
| RPD | Relative Percent Difference |
| RSD | Relative Standard Deviation |
| TON | Threshold Odor Number |
| U | Compound was analyzed for but not detected. The preceding number is the practical quantitation limit for the compound. |
| ppb | Parts-per-billion; may be converted to ppm by dividing by 1,000. |
| ppm | Parts-per-million; may be converted to ppb by multiplying by 1,000. |
| ug/l | Micrograms of constituent per liter of sample; equivalent to parts-per-billion. |
| ug/kg | Micrograms of constituent per kilogram of sample; equivalent to parts-per-billion. |
| ug/kg dw | Micrograms of constituent per kilogram of sample reported on a dry weight basis. |
| CCC | Calibration Check Compound; used to verify the precision of a GC/MS calibration curve. |
| SPCC | System Performance Check Compound; used to verify the correct operation of a GC/MS instrument. |
| PQL | Practical Quantitation Limit; the minimum level at which compounds can be dependably quantitated. |
| B | Analyte detected in associated blank as well as the sample. It indicates possible/probable blank contamination. |

AnalytiKEM

## III. Sample Designations

| AnyltiKEM Designation | Client Designation | Matrix | Date Sampled |
|---|---|---|---|
| A81104-1 | WC#1 | Nonaqueous | 4/03/91 |
| A81104-2 | WC#2 | Nonaqueous | 4/03/91 |
| A81104-3 | WC#3 | Nonaqueous | 4/03/91 |
| A81104-4 | WC#4 | Nonaqueous | 4/03/91 |
| A81104-5 | MW#1 | Aqueous | 4/03/91 |
| A81104-6 | MW#2 | Aqueous | 4/03/91 |
| A81104-7 | MW#3 | Aqueous | 4/03/91 |
| A81104-8 | MW#4 | Aqueous | 4/03/91 |
| A81104-9 | MW#5 | Aqueous | 4/03/91 |
| A81104-10 | MW#6 | Aqueous | 4/03/91 |
| A81104-11 | MW#7 | Aqueous | 4/03/91 |
| A81104-12 | MW#8 | Aqueous | 4/03/91 |

Note: Samples will be held for 30 days beyond the test report date unless otherwise requested.

## IV. Methodology

AnalytiKEM

All analysis are performed in accordance with methodologies found in the following publications:

- Federal Register, Vol. 49, No. 209, October 26, 1984.
- Federal Register, Vol. 51, No. 114, June 13, 1986.
- Test Methods for Evaluating Solid Waste, USEPA, SW-846, Second Edition, July 1982.
- Test Methods for Evaluating Solid Waste, USEPA, SW-846, Third Edition, November 1986.
- Standard Methods for the Examination of Water and Wastewater, American Public Health Association, 16th Edition, 1985.
- Methods for Chemical Analysis of Water and Wastes, EPA-600/4-79-020, USEPA, March 1983.
- Annual Book of ASTM Standards (1980 and 1983)
- OI Corporation Model 524C TOC Analyzer Manual, January 1983.

V. Analytical Results

AnalytiKEM

EPA/NIH/NBS Nontargetted Library Search

No nontargetted compounds were detected in the following samples:

Volatile Method Blank  Semivolatile Method Blank

AnalytiKEM Designation A81104-5

Client Designation MW#1

| Cas Number | Compound Name | Fraction | Scan Number | Estimated Concentration (ug/l) |
|---|---|---|---|---|
| | Unknown Alkane | VOA | 209 | 16 |
| | Unknown Compound | BNA | 332 | 17 |

AnalytiKEM Designation A81104-6

Client Designation MW#2

| Cas Number | Compound Name | Fraction | Scan Number | Estimated Concentration (ug/l) |
|---|---|---|---|---|
| 110827 | Cyclohexane | VOA | 360 | 23 |
| | Alkylated Cyclohexane Isomer | VOA | 562 | 18 |
| | Unknown Compound | VOA | 617 | 5.0 |
| | Unknown Compound | VOA | 653 | 9.0 |
| | Dimethylcyclohexane Isomer | VOA | 672 | 16 |
| | Alkylated Cyclohexane Isomer | VOA | 695 | 11 |
| | Unknown Compound | VOA | 724 | 6.0 |
| | Trimethyl Cyclohexane Isomer | VOA | 751 | 6.0 |
| | Unknown Cyclical Compound | VOA | 787 | 13 |
| | Unknown Compound | VOA | 891 | 8.0 |
| | Unknown Compound | VOA | 929 | 14 |

V. Analytical Results (Cont'd)

AnalytiKEM

EPA/NIH/NBS Nontargetted Library Search

AnalytiKEM Designation A81104-6

Client Designation MW#2

| Cas Number | Compound Name | Fraction | Scan Number | Estimated Concentration (ug/l) |
|---|---|---|---|---|
| | Unknown Alkylated Benzene Isomer | BNA | 144 | 24 |
| | Unknown Compound | BNA | 288 | 28 |
| | Unknown Alkylated Benzene Isomer | BNA | 319 | 38 |
| | Unknown Compound | BNA | 329 | 13 |
| | Unknown Compound | BNA | 352 | 20 |
| | Unknown Alkylated Benzene | BNA | 381 | 32 |
| | Unknown Alkylated Benzene | BNA | 410 | 12 |
| | Unknown Alkylated Benzene | BNA | 420 | 14 |
| | Unknown Alkylated Benzene | BNA | 424 | 20 |
| | Unknown Alkylated Benzene | BNA | 456 | 18 |
| | Unknown Compound | BNA | 472 | 8.0 |
| | Unknown Alkylated Benzene Isomer | BNA | 513 | 9.0 |
| | Unknown Alkylated Benzene Isomer | BNA | 564 | 8.0 |
| 90120 | 1-Methyl Naphthalene | BNA | 604 | 11 |
| | Unknown Compound | BNA | 627 | 9.0 |
| | Unknown Compound | BNA | 643 | 12 |
| | Unknown Compound | BNA | 840 | 14 |
| | Unknown Compound | BNA | 1124 | 18 |
| | Unknown Compound | BNA | 1171 | 27 |
| | Unknown Compound | BNA | 1349 | 26 |

V. Analytical Results (Cont'd)

AnalytiKEM

EPA/NIH/NBS Nontargetted Library Search

AnalytiKEM Designation A81104-7

Client Designation MW#3

| Cas Number | Compound Name | Fraction | Scan Number | Estimated Concentration (ug/l) |
|---|---|---|---|---|
| | Alkylated Cyclohexane Isomer | VOA | 562 | 14 |

AnalytiKEM Designation A81104-8

Client Designation MW#4

| Cas Number | Compound Name | Fraction | Scan Number | Estimated Concentration (ug/l) |
|---|---|---|---|---|
| | Alkylated Cycloheane Isomer | VOA | 562 | 22 |
| | Alkylated Cyclohexane Isomer | VOA | 672 | 19 |
| | Alkylated Cyclical Alkane | VOA | 695 | 17 |
| | Unknown Hydrocarbon | VOA | 724 | 12 |
| | Unknown Substituted Cyclohexane | VOA | 751 | 7.0 |
| | Unknown Compound | VOA | 782 | 7.0 |
| | Unknown Compound | VOA | 930 | 12 |

V. Analytical Results (Cont'd)

AnalytiKEM

EPA/NIH/NBS Nontargetted Library Search

AnalytiKEM Designation A81104-8

Client Designation MW#4

| Cas Number | Compound Name | Fraction | Scan Number | Estimated Concentration (ug/l) |
|---|---|---|---|---|
| | Unknown Alkylated Benzene Isomer | BNA | 145 | 270 |
| | Unknown Compound | BNA | 206 | 12 |
| | Unknown Compound | BNA | 258 | 10 |
| | Unknown Compound | BNA | 268 | 14 |
| | Unknown Alkylated Benzene Isomer | BNA | 288 | 11 |
| | Unknown Alkylated Benzene Isomer | BNA | 320 | 16 |
| | Unknown Alkylated Alkane Isomer | BNA | 341 | 11 |
| | Unknown Compound | BNA | 352 | 15 |
| | Unknown Alkylated Benzene Isomer | BNA | 361 | 13 |
| | Unknown Alkylated Benzene Isomer | BNA | 382 | 12 |
| | Unknown Alkylated Benzene Isomer | BNA | 424 | 12 |
| | Unknown Compound | BNA | 430 | 8.0 |
| | Unknown Compound | BNA | 458 | 27 |
| | Unknown Alkylated Alkane Isomer | BNA | 462 | 10 |
| | Unknown Compound | BNA | 643 | 26 |
| | Unknown Compound | BNA | 661 | 15 |
| | Unknown Compound | BNA | 840 | 9.0 |
| | Unknown Compound | BNA | 1171 | 31 |
| | Unknown Compound | BNA | 1347 | 11 |

V. Analytical Results (Cont'd)

AnalytiKEM

EPA/NIH/NBS Nontargetted Library Search

AnalytiKEM Designation A81104-9

Client Designation MW#5

| Cas Number | Compound Name | Fraction | Scan Number | Estimated Concentration (ug/l) |
|---|---|---|---|---|
| | Alkylated Cyclohexane Isomer | VOA | 562 | 13 |
| | Alkylated Alkene | VOA | 672 | 10 |
| | Unknown Alkylated Benzene Isomer | BNA | 145 | 480 |
| | Unknown Alkylated Benzene Isomer | BNA | 252 | 19 |
| | Unknown Alkylated Benzene Isomer | BNA | 259 | 21 |
| | Unknown Alkylated Benzene Isomer | BNA | 287 | 38 |
| | Unknown Alkylated Benzene Isomer | BNA | 319 | 39 |
| | Unknown Alkylated Benzene Isomer | BNA | 352 | 13 |
| | Unknown Alkylated Benzene Isomer | BNA | 381 | 19 |
| | Unknown Compound | BNA | 412 | 11 |
| | Unknown Compound | BNA | 417 | 11 |
| | Unknown Alkylated Benzene Isomer | BNA | 424 | 12 |
| | Unknown Compound | BNA | 449 | 9.0 |
| | Unknown Compound | BNA | 457 | 24 |
| | Unknown Compound | BNA | 536 | 9.0 |
| | Unknown Compound | BNA | 543 | 9.0 |
| | Unknown Compound | BNA | 561 | 11 |
| 90120 | Methyl naphthalene isomer | BNA | 604 | 22 |
| | Unknown Compound | BNA | 643 | 13 |
| | Unknown Alkylated Naphthalene Isomer | BNA | 684 | 12 |

V. Analytical Results (Cont'd)

AnalytiKEM

EPA/NIH/NBS Nontargetted Library Search

AnalytiKEM Designation A81104-9 (Cont'd)

Client Designation MW#5

| Cas Number | Compound Name | Fraction | Scan Number | Estimated Concentration (ug/l) |
|---|---|---|---|---|
| | Unknown Alkylated Naphthalene Isomer | BNA | 697 | 12 |
| | Unknown Compound | BNA | 759 | 16 |
| | Unknown Compound | BNA | 788 | 8.0 |
| 21409256 | Diphenylmethoxy Acetic Acid | BNA | 1015 | 10 |

V. Analytical Results

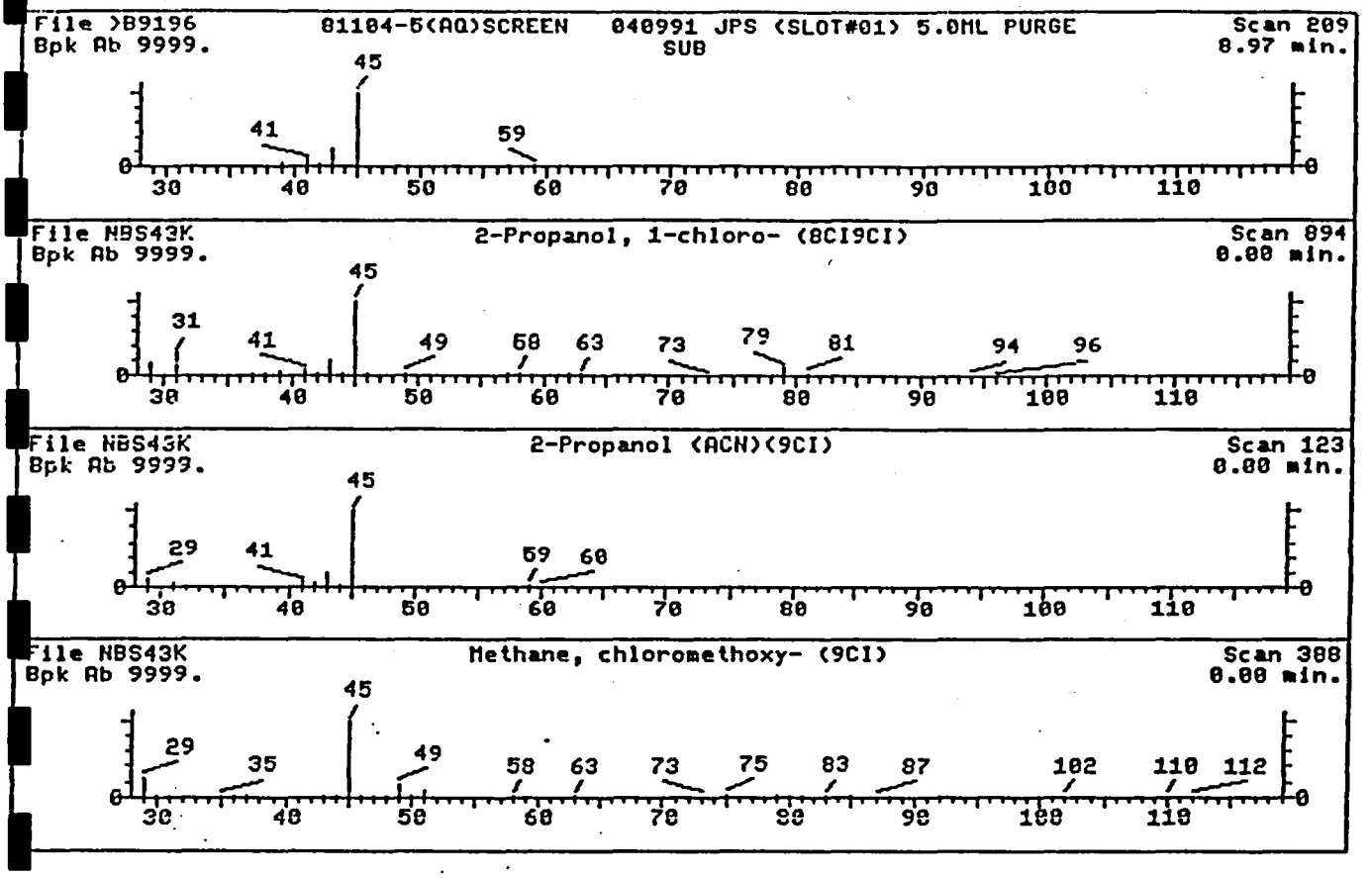
AnalytiKEM

EPA/NIH/NBS Nontargetted Library Search

AnalytiKEM Designation A81104-11

Client Designation MW#7

| Cas Number | Compound Name | Fraction | Scan Number | Estimated Concentration (ug/l) |
|---|---|---|---|---|
| | Unknown Compound | VOA | 527 | 7.0 |
| | Unknown Compound | BNA | 220 | 8.0 |
| | Unknown Compound | BNA | 440 | 9.0 |
| | Unknown Compound | BNA | 499 | 39 |
| | Unknown Compound | BNA | 665 | 24 |
| | Unknown Decane Derivative | BNA | 826 | 170 |
| | Unknown Compound | BNA | 846 | 9.0 |
| | Unknown Compound | BNA | 962 | 31 |
| | Unknown Compound | BNA | 1195 | 18 |
| | Unknown Compound | BNA | 1198 | 54 |
| | Unknown Compound | BNA | 1202 | 15 |
| | Unknown Compound | BNA | 1217 | 16 |
| | Unknown Compound | BNA | 1253 | 27 |
| | Unknown Compound | BNA | 1272 | 15 |
| | Unknown Compound | BNA | 1307 | 40 |
| | Unknown Compound | BNA | 1487 | 150 |
| | Unknown Compound | BNA | 1688 | 18 |
| | Unknown Compound | BNA | 1765 | 11 |

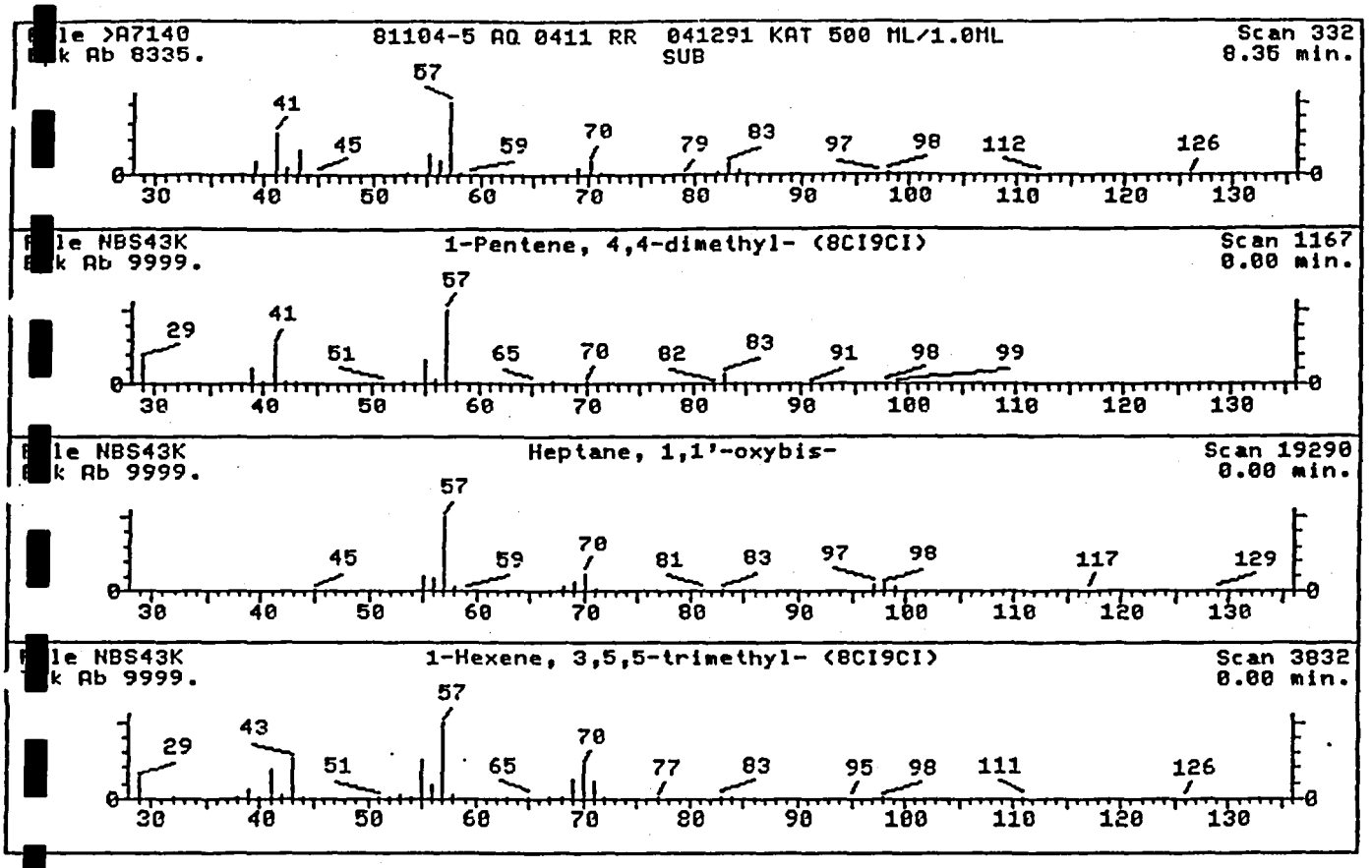



UNKNOWN #,1
AREA = 65193.00 TENTATIVE CONCENTRATION IS 16.00

1. 2-Propanol, 1-chloro- (8CI9CI) 94 C3H7ClO
2. 2-Propanol (ACN)(9CI) 60 C3H8O
3. Methane, chloromethoxy- (9CI) 80 C2H5ClO
4. Propanenitrile, 3-methoxy- (9CI) 85 C4H7NO
5. Propanoic acid, 2-hydroxy-, methyl ester, (.+-.)- (9CI) 104 C4H8O3

Sample file: >B9196 Spectrum #: 209
Search speed: 1 Tilting option: N No. of ion ranges searched: 42

| | Prob. | CAS # | CON # | ROOT | K | DK | #FLG | TILT | % | CON | C_I | R_IV |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1. | 60* | 127004 | 339 | NBS43K | 28 | 61 | 1 | 0 | 100 | 14 | 30 | 15 |
| 2. | 52* | 67630 | 324 | NBS43K | 32 | 35 | 1 | 0 | 100 | 16 | 20 | 17 |
| 3. | 52* | 107302 | 429 | NBS43K | 21 | 63 | 1 | 0 | 100 | 19 | 20 | 14 |
| 4. | 43* | 110678 | 330 | NBS43K | 21 | 50 | 1 | 0 | 100 | 21 | 17 | 14 |
| 5. | 20* | 2155308 | 194 | NBS43K | 23 | 55 | 1 | 0 | 55 | 54 | 5 | 14 |

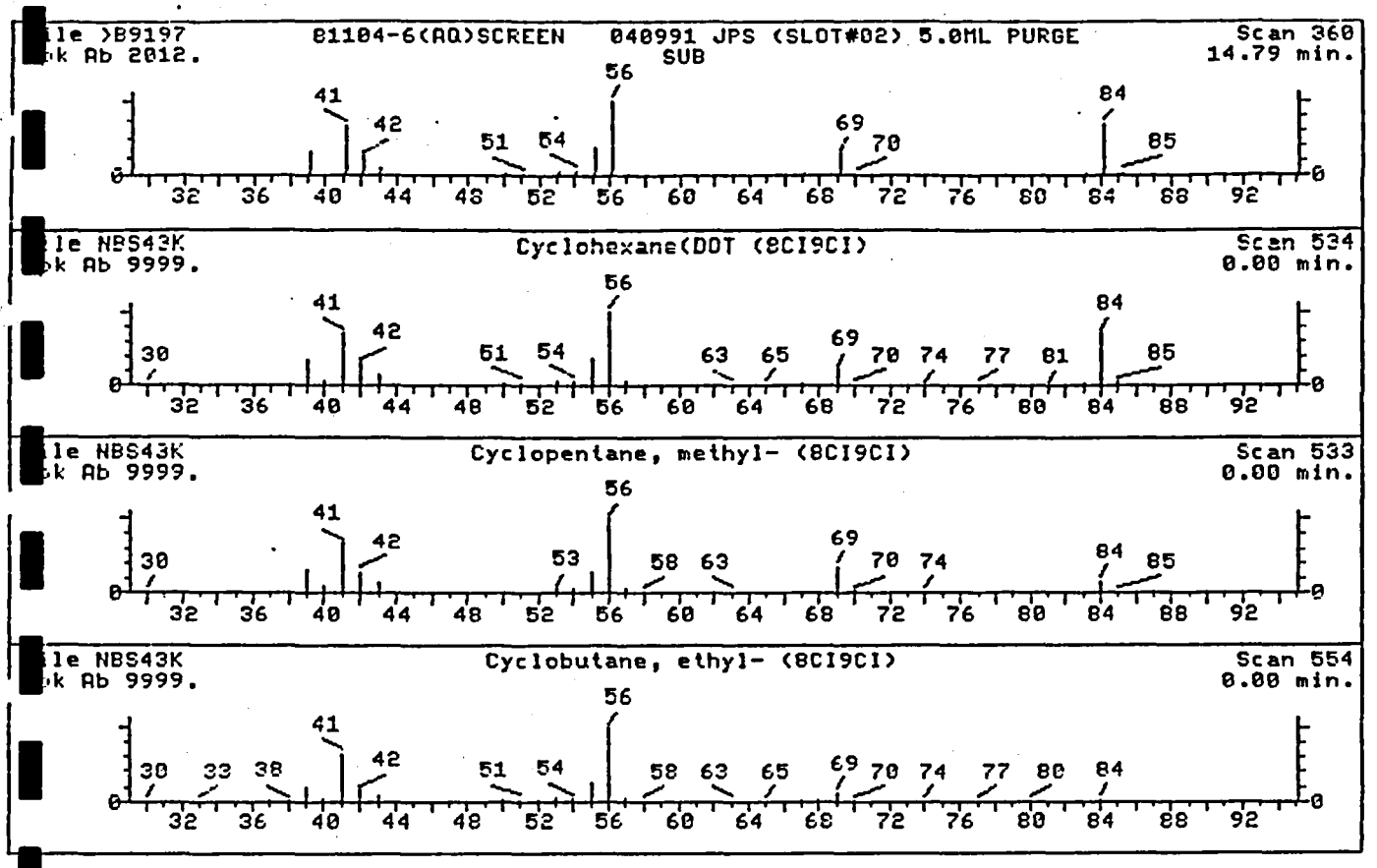



UNKNOWN #,1
AREA = 82918.00 TENTATIVE CONCENTRATION IS 17.00

| | | | |
|---|---|---|---|
| 1. | 1-Pentene, 4,4-dimethyl- (8CI9CI) | 98 | C7H14 |
| 2. | Heptane, 1,1'-oxybis- | 214 | C14H30O |
| 3. | 1-Hexene, 3,5,5-trimethyl- (8CI9CI) | 126 | C9H18 |
| 4. | Heptane, 2-bromo- (8CI9CI) | 178 | C7H15Br |
| 5. | 1-Heptene, 3-methyl- (8CI9CI) | 112 | C8H16 |
| 6. | 1-Octene (8CI9CI) | 112 | C8H16 |

Sample file: >A7140 Spectrum #: 332
earch speed: 1 Tilting option: N No. of ion ranges searched: 42

| | Prob. | CAS # | CON # | ROOT | K | DK | #FLG | TILT | % | CON | C_I | R_IV |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1. | 69* | 762629 | 1169 | NBS43K | 46 | 30 | 0 | 0 | 85 | 34 | 26 | 66 |
| 2. | 52 | 629641 | 3898 | NBS43K | 42 | 48 | 2 | 0 | 90 | 16 | 20 | 12 |
| 3. | 52* | 4316658 | 3653 | NBS43K | 26 | 64 | 3 | 0 | 100 | 19 | 20 | 13 |
| 4. | 30 | 1974045 | 1216 | NBS43K | 45 | 39 | 1 | 0 | 75 | 37 | 10 | 16 |
| 5. | 18* | 4810097 | 3599 | NBS43K | 46 | 35 | 0 | 0 | 28 | 65 | 5 | 60 |
| 6. | 15* | 111660 | 3593 | NBS43K | 50 | 38 | 1 | 0 | 32 | 62 | 3 | 41 |

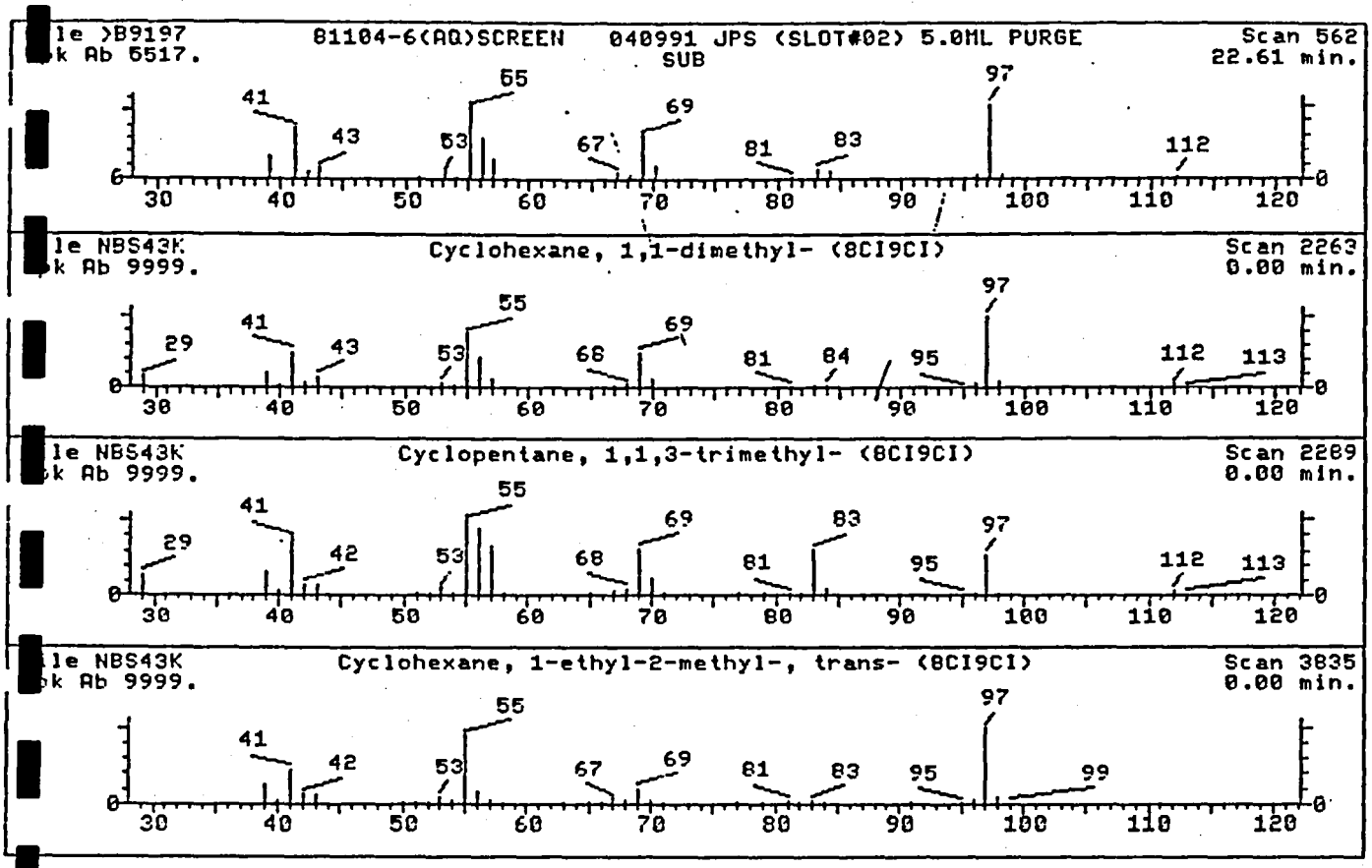



UNKNOWN #,1
AREA = 92745.00 TENTATIVE CONCENTRATION IS 23.00

| | | | |
|---|---|---|---|
| 1. | Cyclohexane(DDT (8CI9CI) | 84 | C6H12 |
| 2. | Cyclopentane, methyl- (8CI9CI) | 84 | C6H12 |
| 3. | Cyclobutane, ethyl- (8CI9CI) | 84 | C6H12 |
| 4. | 1H-Tetrazole, 5-methyl- (8CI9CI) | 84 | C2H4N4 |
| 5. | Cyclopentanone (8CI9CI) | 84 | C5H8O |
| 6. | 2-Hexene (8CI9CI) | 84 | C6H12 |

Sample file: >B9197 Spectrum #: 360
Search speed: 1 Tilting option: N No. of ion ranges searched: 43

| | Prob. | CAS # | CON # | ROOT | K | DK | #FLG | TILT | % | CON | C_I | R_IV |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1. | 94* | 110827 | 5798 | NBS43K | 74 | 18 | 0 | 0 | 83 | 5 | 72 | 92 |
| 2. | 67* | 96377 | 952 | NBS43K | 46 | 44 | 0 | 0 | 77 | 27 | 27 | 54 |
| 3. | 59* | 4806615 | 958 | NBS43K | 40 | 43 | 0 | 0 | 100 | 39 | 21 | 50 |
| 4. | 39* | 4076362 | 948 | NBS43K | 29 | 55 | 1 | 0 | 100 | 29 | 14 | 16 |
| 5. | 37* | 120923 | 5783 | NBS43K | 27 | 57 | 2 | 0 | 163 | 29 | 14 | 14 |
| 6. | 35* | 592438 | 5801 | NBS43K | 22 | 66 | 3 | 0 | 136 | 27 | 14 | 12 |

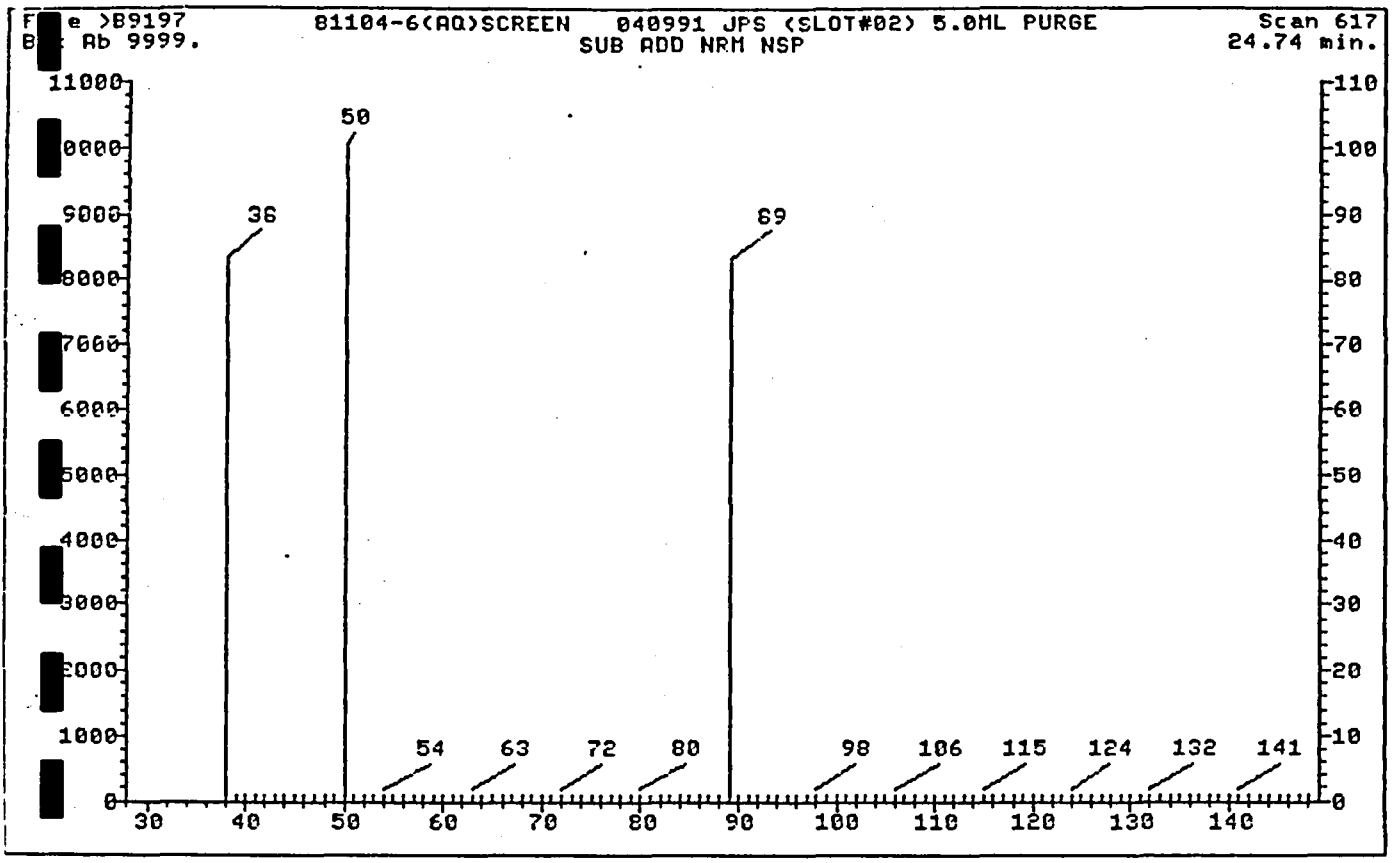



UNKNOWN #,3
AREA = 560179.0 TENTATIVE CONCENTRATION IS 18.00

1. Cyclohexane, 1,1-dimethyl- (8CI9CI) 112 C8H16
2. Cyclopentane, 1,1,3-trimethyl- (8CI9CI) 112 C8H16
3. Cyclohexane, 1-ethyl-2-methyl-, trans- (8CI9CI) 126 C9H18
4. Cyclohexane, 1-methyl-2-propyl- (8CI9CI) 140 C10H20
5. Cyclohexane, 1-bromo-2-methyl- (8CI9CI) 176 C7H13Br
6. 2-Pentene, 2,3,4-trimethyl- (8CI9CI) 112 C8H16

Sample file: >B9197 Spectrum #: 562
Search speed: 1 Tilting option: N No. of ion ranges searched: 42

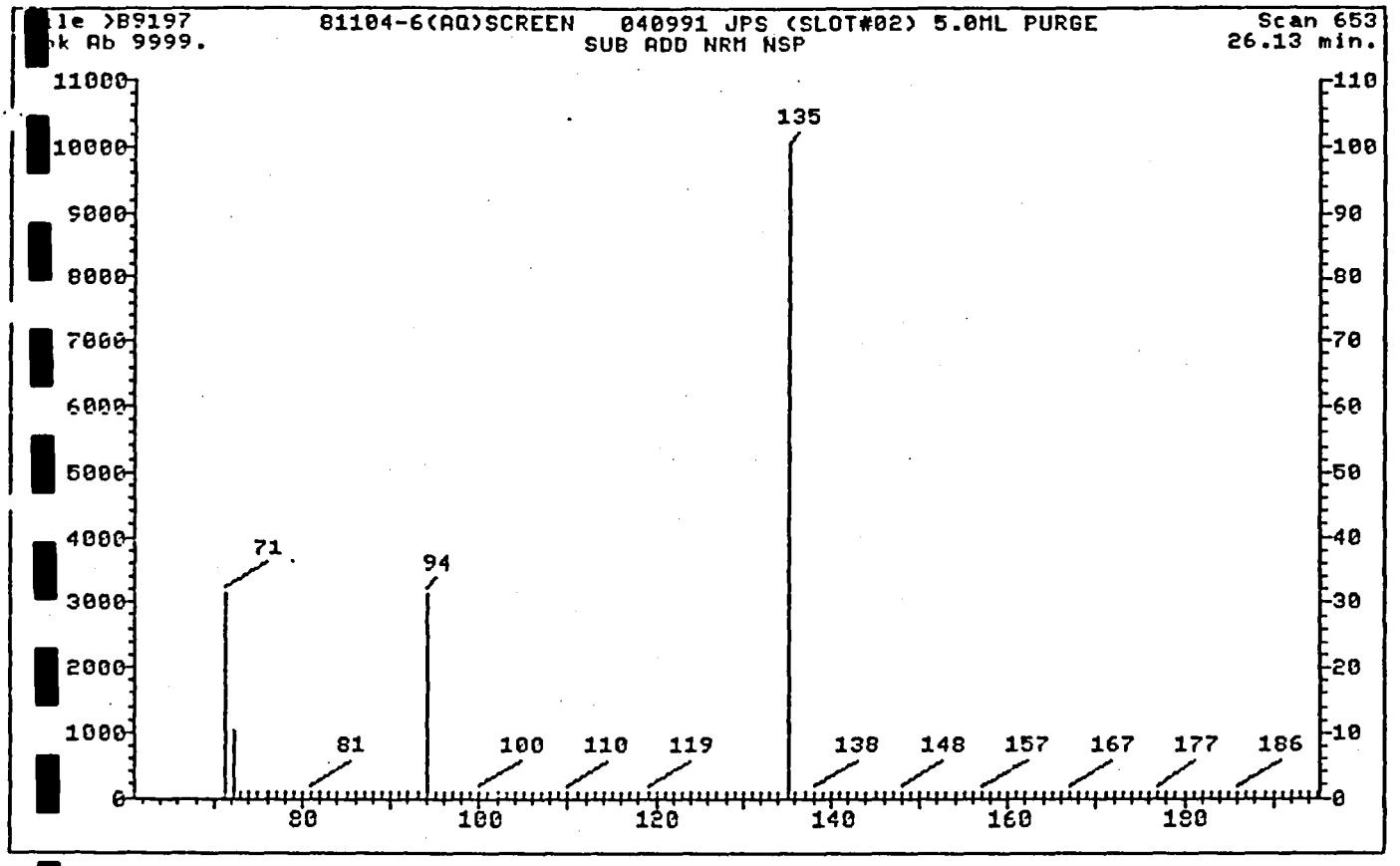
| | Prob. | CAS # | CON # | ROOT | K | DK | #FLG | TILT | % | CON | C_I | R_IV |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1. | 93* | 590669 | 8349 | NBS43K | 71 | 27 | 0 | 0 | 90 | 5 | 68 | 89 |
| 2. | 36* | 4516692 | 8356 | NBS43K | 52 | 58 | 2 | 0 | 60 | 44 | 12 | 27 |
| 3. | 32 | 4923788 | 8377 | NBS43K | 45 | 43 | 2 | 0 | 82 | 34 | 12 | 15 |
| 4. | 30 | 4291796 | 8399 | NBS43K | 42 | 47 | 2 | 0 | 95 | 32 | 12 | 13 |
| 5. | 29 | 6294399 | 8482 | NBS43K | 43 | 48 | 2 | 0 | 100 | 31 | 12 | 12 |
| 6. | 27 | 565775 | 8348 | NBS43K | 41 | 47 | 2 | 0 | 95 | 40 | 10 | 13 |




UNKNOWN #,4
AREA = 193515.0 TENTATIVE CONCENTRATION IS 5.00

Sample file: >B9197 Spectrum #: 617

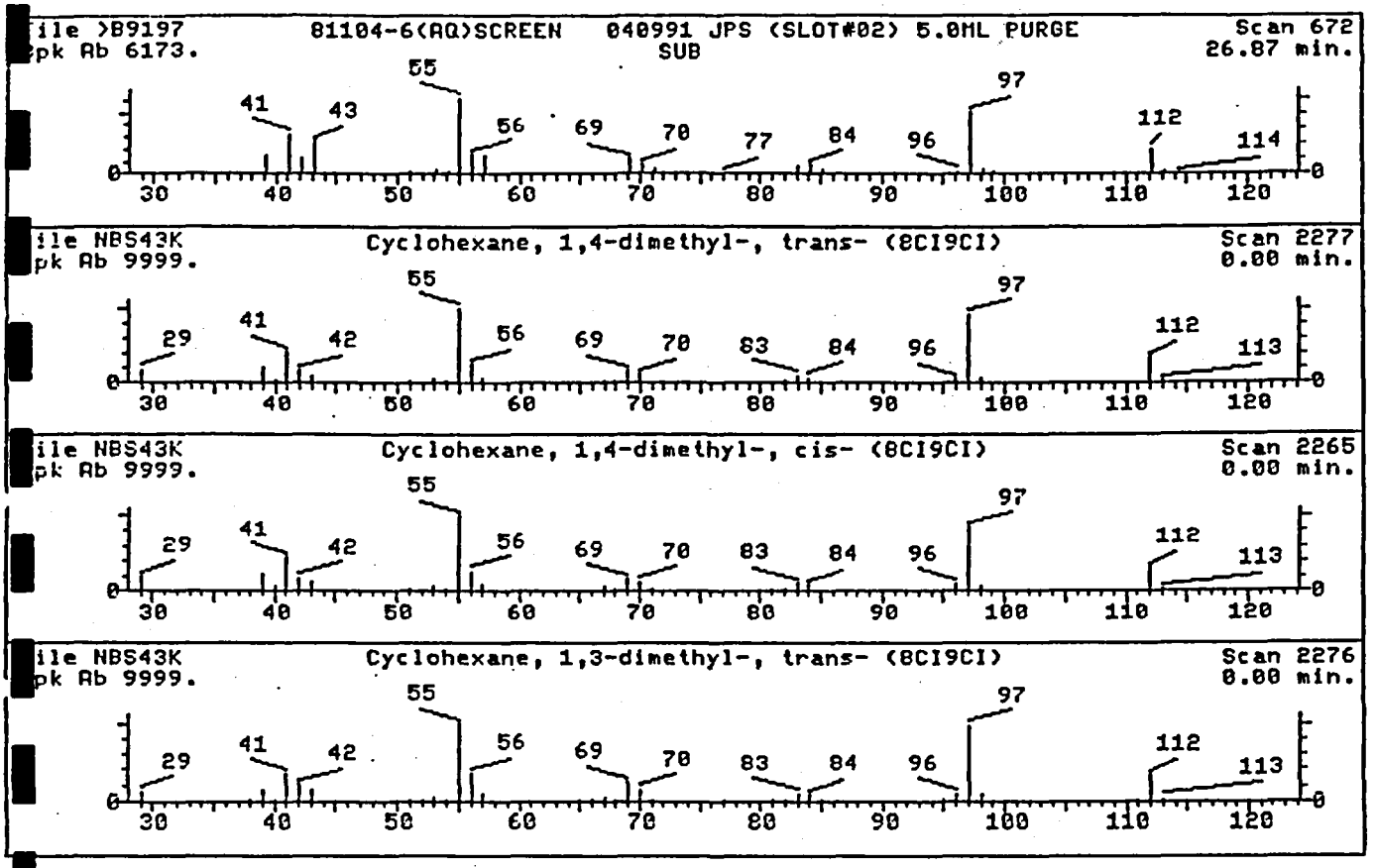
No data base entries were retrieved.




UNKNOWN #,5
AREA = 336569.0 TENTATIVE CONCENTRATION IS 9.00

Sample file: >B9197 Spectrum #: 653

No data base entries were retrieved.

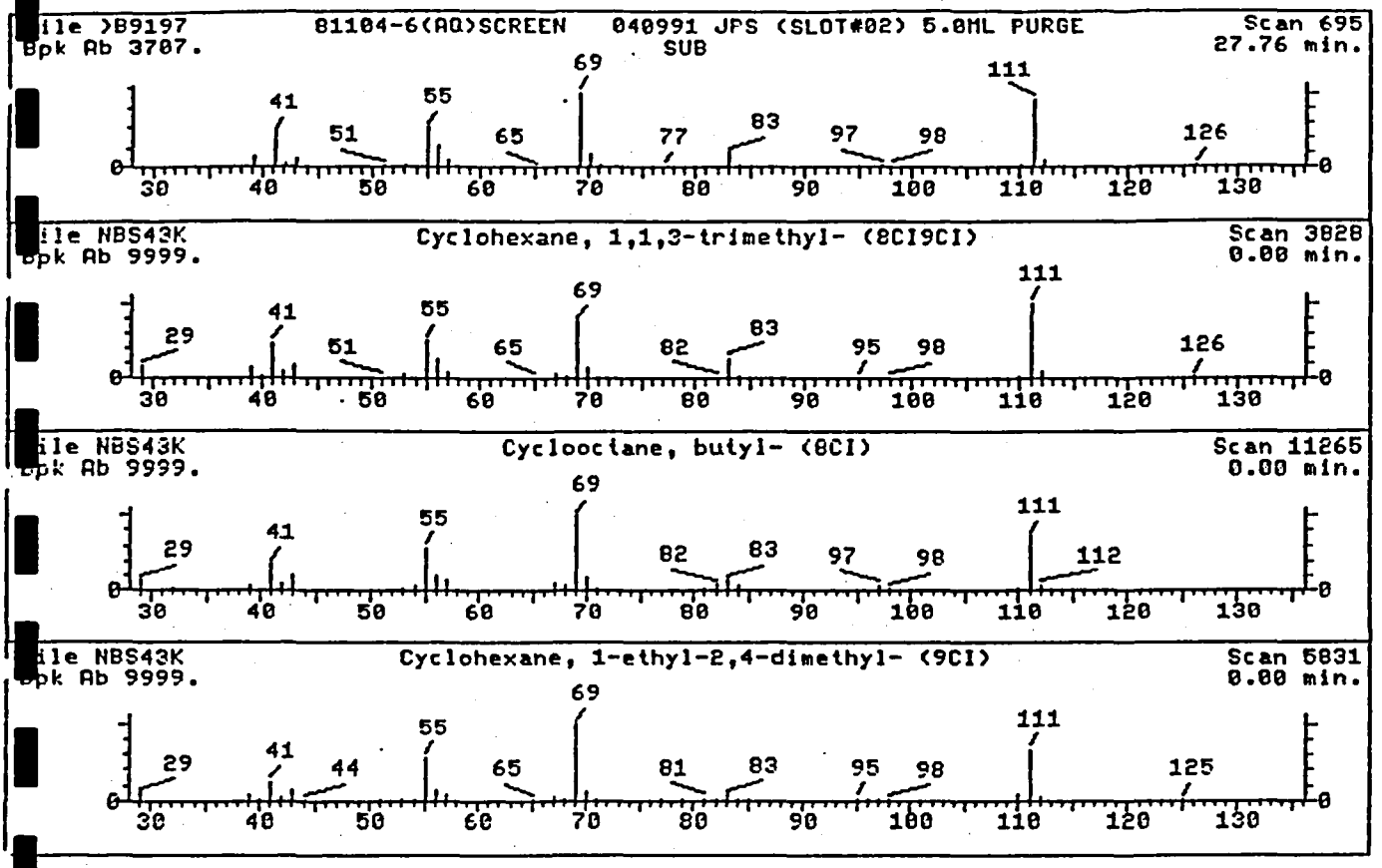



UNKNOWN #,6
AREA = 618377.0 TENTATIVE CONCENTRATION IS 16.00

1. Cyclohexane, 1,4-dimethyl-, trans- (8CI9CI) 112 C8H16
2. Cyclohexane, 1,4-dimethyl-, cis- (8CI9CI) 112 C8H16
3. Cyclohexane, 1,3-dimethyl-, trans- (8CI9CI) 112 C8H16
4. Cyclohexane, 1,4-dimethyl- 232 C18H16
5. Cyclohexane, 1,2-dimethyl-, cis- (8CI9CI) 112 C8H16
6. Cyclohexane, 1,1-dimethyl- (8CI9CI) 112 C8H16

Sample file: >B9197 Spectrum #: 672
Search speed: 1 Tilting option: N No. of ion ranges searched: 42

| | Prob. | CAS # | CON # | ROOT | K | DK | #FLG | TILT | % | CON | C_I | R_IV |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1. | 95* | 2207047 | 8354 | NBS43K | 89 | 13 | 1 | 0 | 90 | 3 | 72 | 93 |
| 2. | 84* | 624293 | 8351 | NBS43K | 78 | 24 | 2 | 0 | 92 | 6 | 55 | 60 |
| 3. | 83* | 2207036 | 8353 | NBS43K | 70 | 29 | 2 | 0 | 71 | 9 | 54 | 50 |
| 4. | 78 | 589902 | 11152 | NBS43K | 63 | 49 | 2 | 0 | 95 | 3 | 55 | 13 |
| 5. | 60* | 2207014 | 10990 | NBS43K | 43 | 66 | 3 | 0 | 100 | 11 | 30 | 13 |
| 6. | 52* | 590669 | 8349 | NBS43K | 40 | 58 | 2 | 0 | 58 | 20 | 20 | 16 |

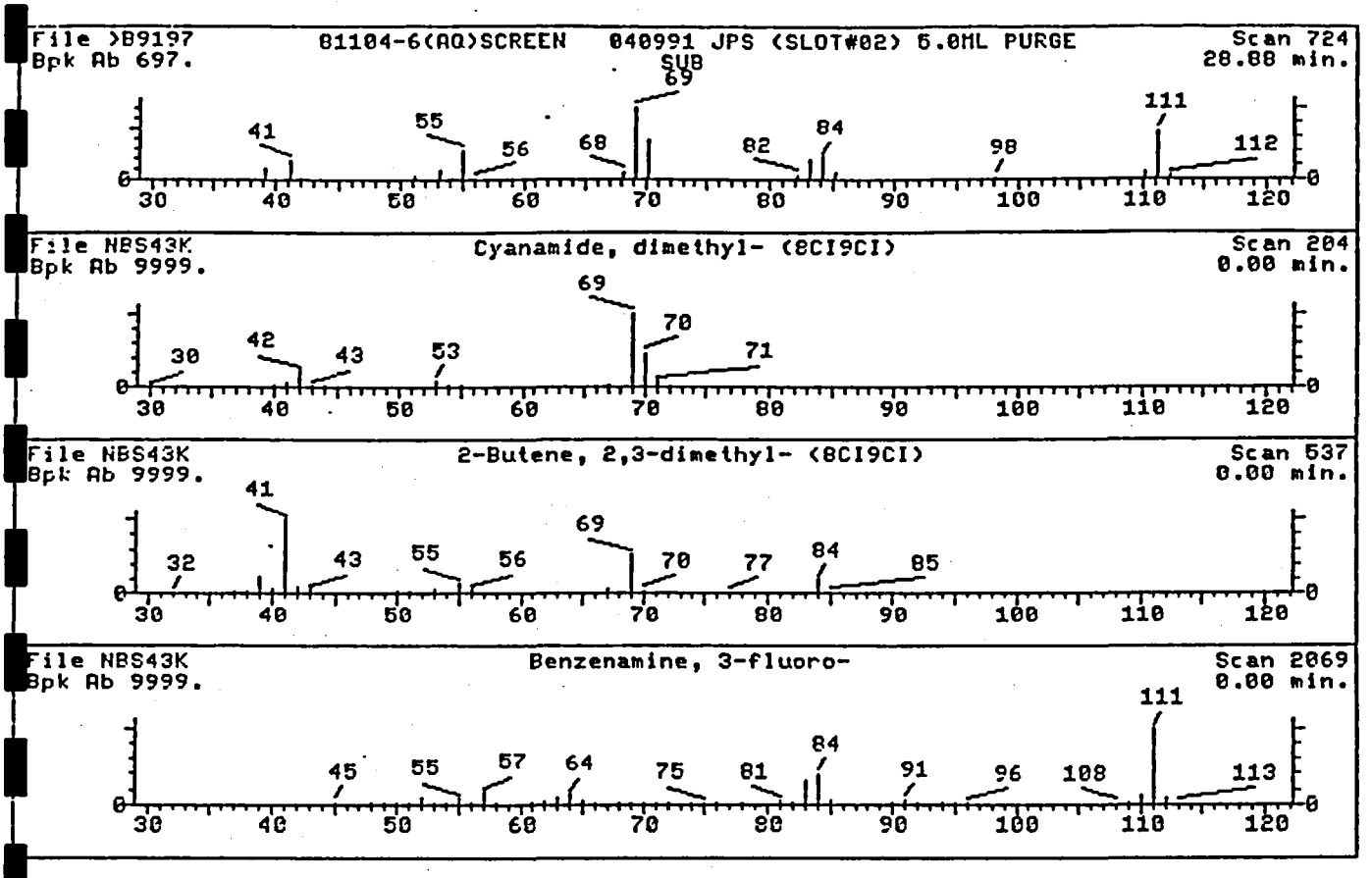



UNKNOWN #,7
AREA = 422062.0 TENTATIVE CONCENTRATION IS 11.00

| | | |
|---|---|---|
| 1. Cyclohexane, 1,1,3-trimethyl- (8CI9CI) | 126 | C9H18 |
| 2. Cyclooctane, butyl- (8CI) | 168 | C12H24 |
| 3. Cyclohexane, 1-ethyl-2,4-dimethyl- (9CI) | 140 | C10H20 |
| 4. Cyclooctane, ethyl- (9CI) | 140 | C10H20 |
| 5. Cyclohexane, diethyl- (8CI9CI) | 140 | C10H20 |
| 6. 2(1H)-Pyrimidinone, 4-amino- (9CI) | 111 | C4H5N3O |

Sample file: >B9197 Spectrum #: 695
Search speed: 1 Tilting option: N No. of ion ranges searched: 42

| | Prob. | CAS # | CON # | ROOT | K | DK | #FLG | TILT | % | CON | C_I | R_IV |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1. | 71* | 3073663 | 10806 | NBS43K | 66 | 32 | 3 | 0 | 91 | 11 | 38 | 37 |
| 2. | 70 | 16538935 | 10862 | NBS43K | 47 | 48 | 2 | 0 | 95 | 10 | 42 | 12 |
| 3. | 60 | 61142696 | 10820 | NBS43K | 50 | 40 | 2 | 0 | 96 | 13 | 30 | 17 |
| 4. | 60 | 13152028 | 10818 | NBS43K | 52 | 43 | 2 | 0 | 100 | 13 | 30 | 15 |
| 5. | 52 | 1331437 | 10815 | NBS43K | 56 | 38 | 2 | 0 | 100 | 16 | 20 | 19 |
| 6. | 25* | 71307 | 10775 | NBS43K | 24 | 62 | 3 | 0 | 91 | 46 | 7 | 12 |

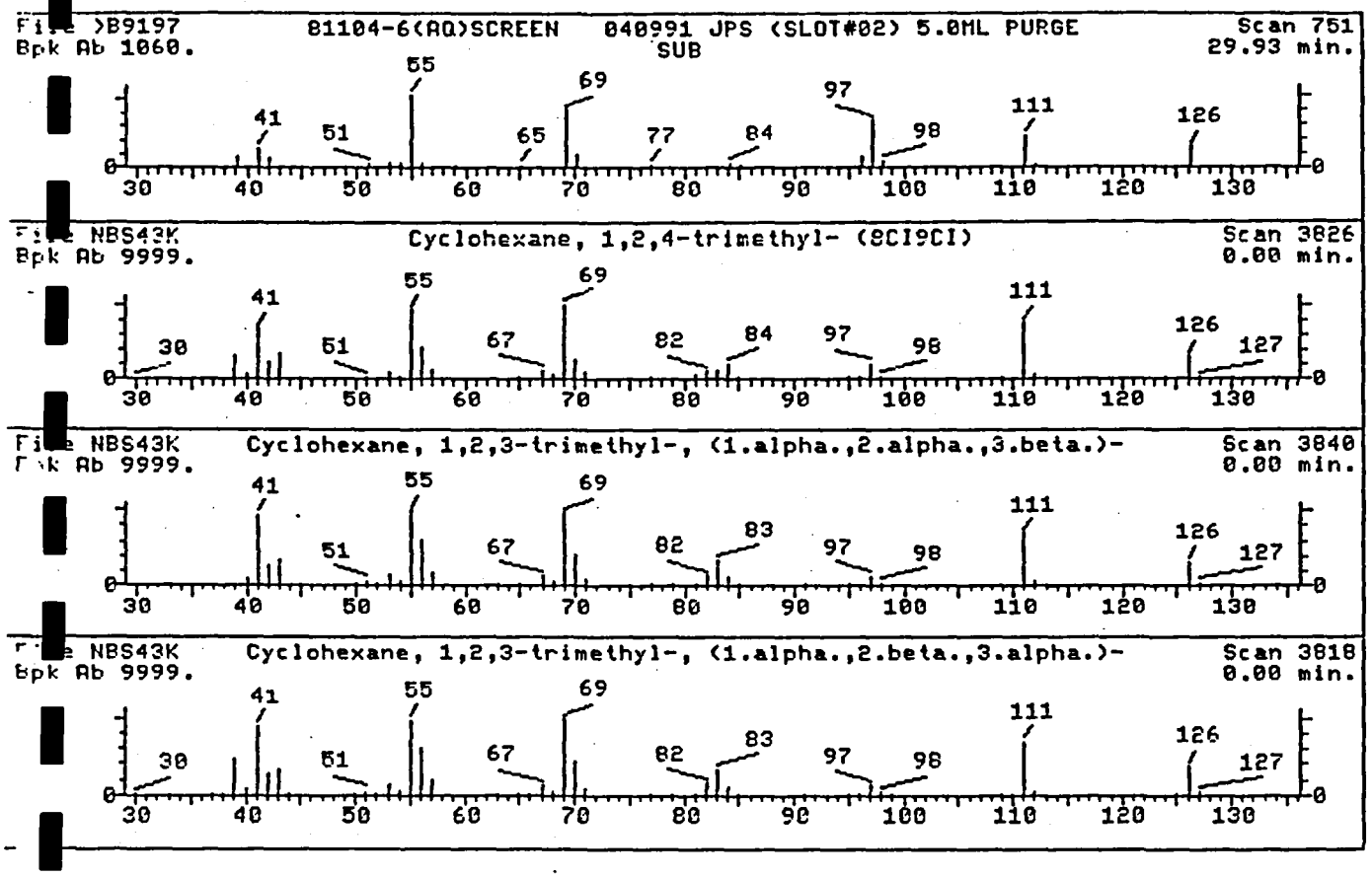



. UNKNOWN #,8
AREA = 209134.0 TENTATIVE CONCENTRATION IS 6.00

| | | | |
|---|---|---|---|
| 1. | Cyanamide, dimethyl- (8CI9CI) | 70 | C3H6N2 |
| 2. | 2-Butene, 2,3-dimethyl- (8CI9CI) | 84 | C6H12 |
| 3. | Benzenamine, 3-fluoro- | 111 | C6H6FN |
| 4. | p-Fluoroaniline | 111 | C6H6FN |
| 5. | 2-Cyclopenten-1-one, 3-amino-2-methyl- (9CI) | 111 | C6H9NO |

Sample file: >B9197 Spectrum #: 724
Search speed: 1 Tilting option: N No. of ion ranges searched: 43

| | Prob. | CAS # | CON # | ROOT | K | DK | #FLG | TILT | % | CON | C_I | R_IV |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1. | 25* | 1467794 | 3506 | NBS43K | 27 | 56 | 2 | 0 | 100 | 47 | 7 | 14 |
| 2. | 20* | 563791 | 5800 | NBS43K | 21 | 58 | 2 | 0 | 175 | 53 | 5 | 13 |
| 3. | 15* | 372190 | 10782 | NBS43K | 39 | 59 | 3 | 0 | 66 | 58 | 3 | 13 |
| 4. | 15* | 371404 | 10781 | NBS43K | 38 | 63 | 3 | 0 | 66 | 58 | 3 | 13 |
| 5. | 11* | 69687850 | 10787 | NBS43K | 23 | 71 | 3 | 0 | 215 | 61 | 2 | 12 |

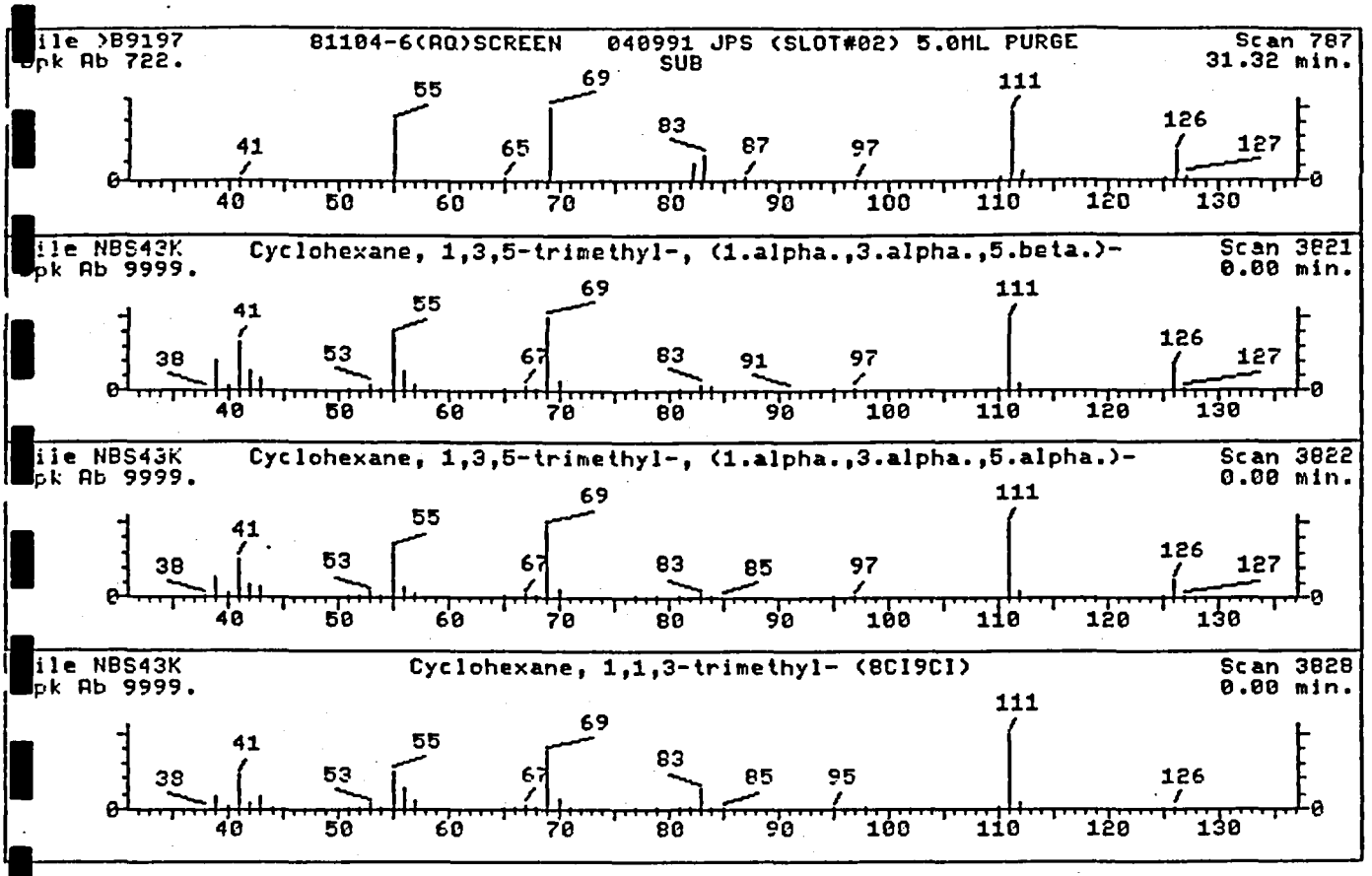



UNKNOWN #,9
AREA = 223599.0 TENTATIVE CONCENTRATION IS 6.00

1. Cyclohexane, 1,2,4-trimethyl- (8CI9CI) 126 C9H18
2. Cyclohexane, 1,2,3-trimethyl-, (1.alpha.,2.alpha.,3. beta.)- (9CI) 126 C9H18
3. Cyclohexane, 1,2,3-trimethyl-, (1.alpha.,2.beta.,3.a lpha.)- (9CI) 126 C9H18
4. 2-Pentene, 3-ethyl-4,4-dimethyl- (9CI) 126 C9H18
5. Cyclopentane, 1,1,3,4-tetramethyl-, trans- (8CI9CI) 126 C9H18
6. 2-Hexanone, 5-methyl-3-methylene- (8CI9CI) 126 C8H14O

Sample file: >B9197 Spectrum #: 751
Search speed: 1 . Tilting option: N No. of ion ranges searched: 43

| | Prob. | CAS # | CON # | ROOT | K | DK | #FLG | TILT | % | CON | C_I | R_IV |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1. | 43* | 2234755 | 10805 | NBS43K | 40 | 77 | 2 | 0 | 57 | 25 | 17 | 14 |
| 2. | 42* | 7667552 | 13471 | NBS43K | 39 | 79 | 3 | 0 | 64 | 25 | 17 | 13 |
| 3. | 42* | 1678815 | 13468 | NBS43K | 39 | 80 | 3 | 0 | 63 | 24 | 17 | 13 |
| 4. | 35* | 53907598 | 8381 | NBS43K | 24 | 85 | 3 | 0 | 65 | 27 | 14 | 12 |
| 5. | 30* | 20309777 | 10809 | NBS43K | 30 | 81 | 3 | 0 | 58 | 35 | 12 | 13 |
| | 29* | 1187877 | 13457 | NBS43K | 23 | 71 | 3 | 0 | 164 | 34 | 12 | 12 |

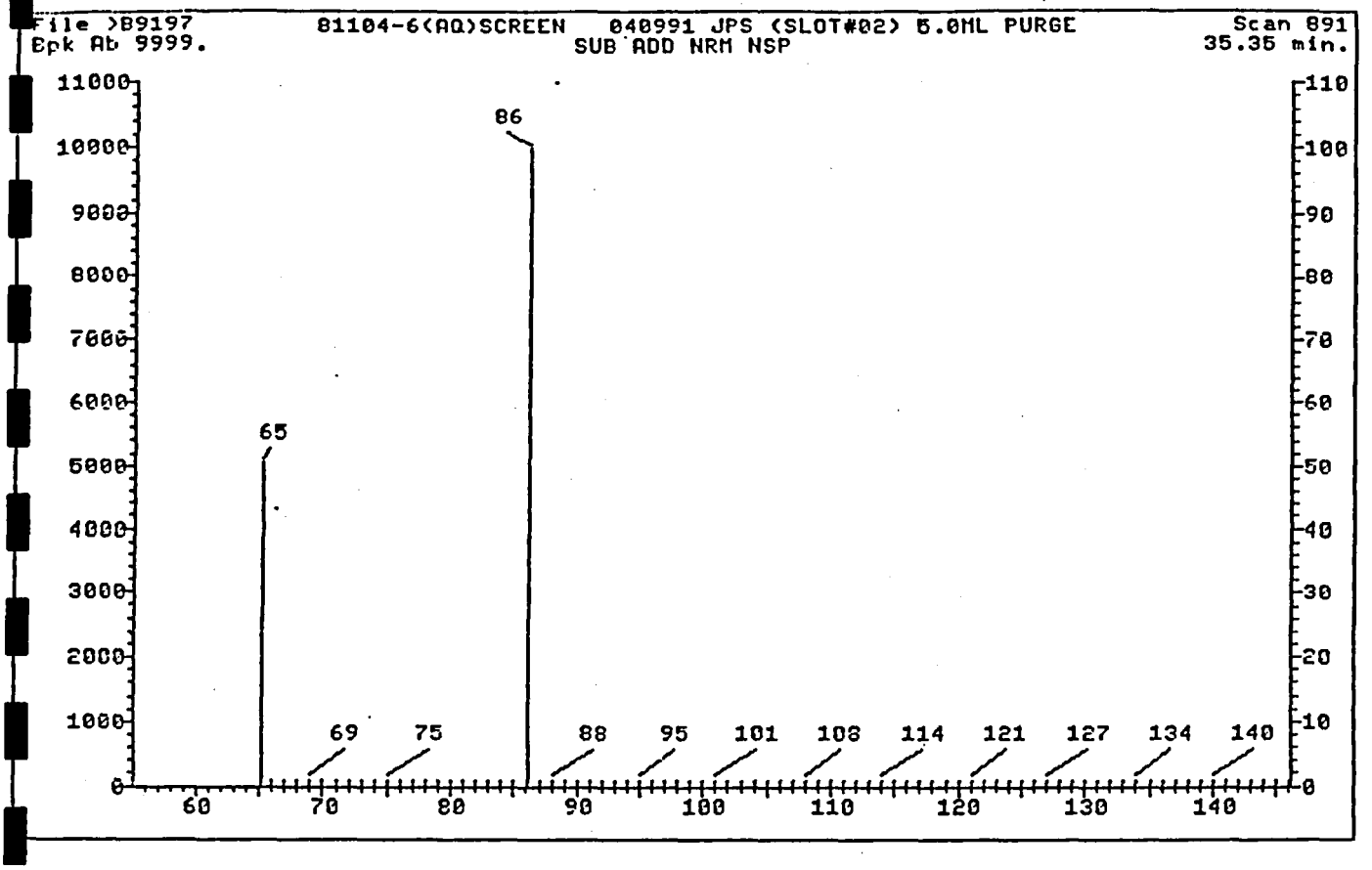



UNKNOWN #,10
AREA = 488202.0 TENTATIVE CONCENTRATION IS 13.00

1. Cyclohexane, 1,3,5-trimethyl-, (1.alpha.,3.alpha.,5. beta.)- (9CI) 126 C9H18
2. Cyclohexane, 1,3,5-trimethyl-, (1.alpha.,3.alpha.,5. alpha.)- (9CI) 126 C9H18
3. Cyclohexane, 1,1,3-trimethyl- (8CI9CI) 126 C9H18
4. Cyclohexane, 1,2,4-trimethyl-, (1.alpha.,2.beta.,4.b eta.)- (9CI) 126 C9H18
5. Thiophene, 2-(1-methylethyl)- (9CI) 126 C7H10S
6. 1H-Pyrazole, 3-ethyl-4,5-dihydro-1,4-dimethyl- (9CI) 126 C7H14N2

Sample file: >B9197 Spectrum #: 787
Search speed: 1 Tilting option: N No. of ion ranges searched: 45

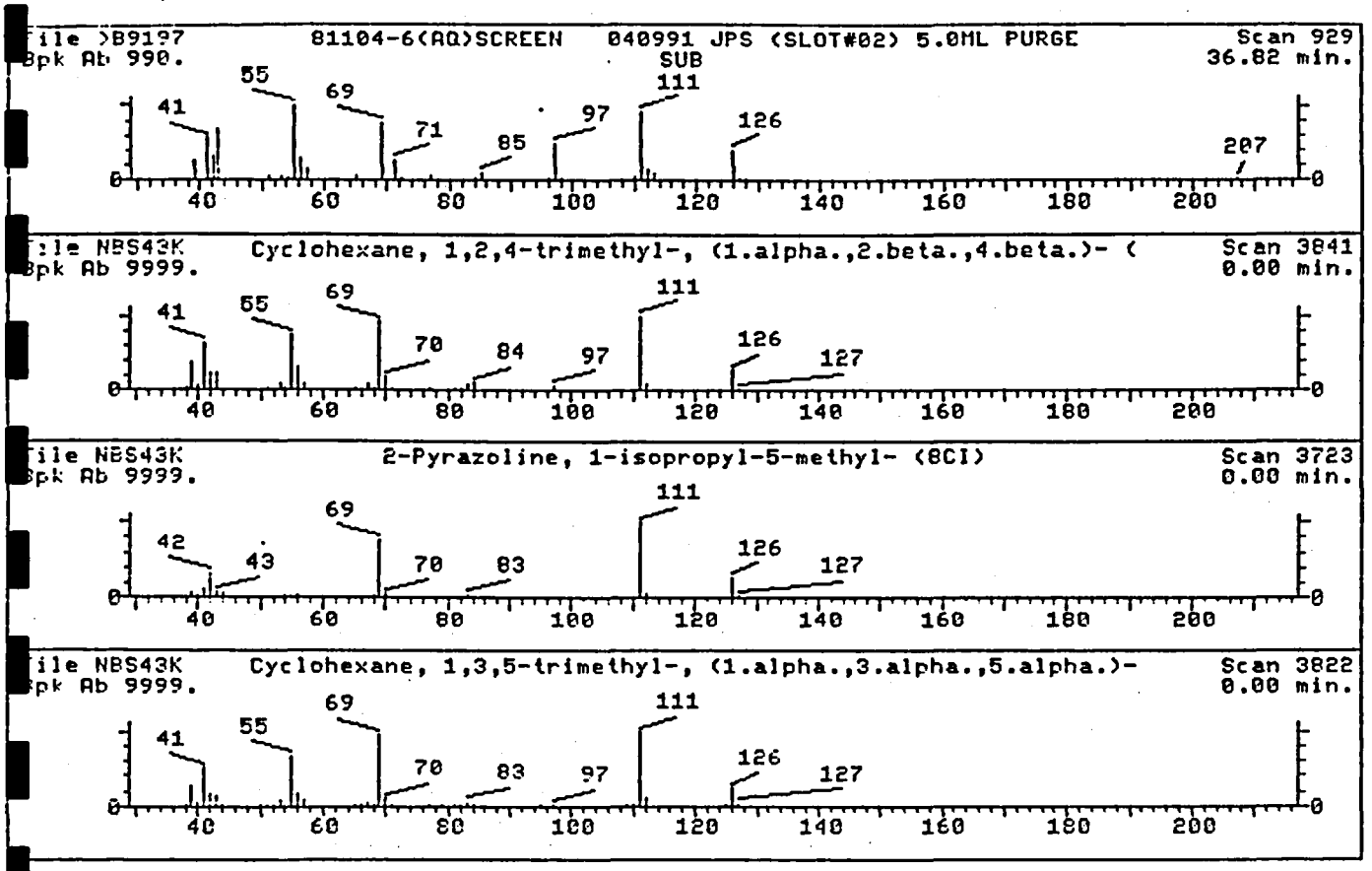
| | Prob. | CAS # | CON # | ROOT | K | DK | #FLG | TILT | % | CON | C_I | R_IV |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1. | 52* | 1795262 | 10802 | NBS43K | 47 | 66 | 3 | 0 | 97 | 18 | 20 | 13 |
| 2. | 42* | 1795273 | 10803 | NBS43K | 36 | 63 | 3 | 0 | 93 | 25 | 17 | 13 |
| 3. | 36* | 3073663 | 10806 | NBS43K | 32 | 66 | 3 | 0 | 93 | 27 | 14 | 13 |
| 4. | 36* | 7667609 | 10808 | NBS43K | 32 | 79 | 3 | 0 | 93 | 26 | 14 | 13 |
| 5. | 25* | 4095221 | 10791 | NBS43K | 28 | 61 | 3 | 0 | 93 | 49 | 7 | 13 |




UNKNOWN #,11
AREA = 311122.0 TENTATIVE CONCENTRATION IS 8.00

Sample file: >B9197 Spectrum #: 891

No data base entries were retrieved.

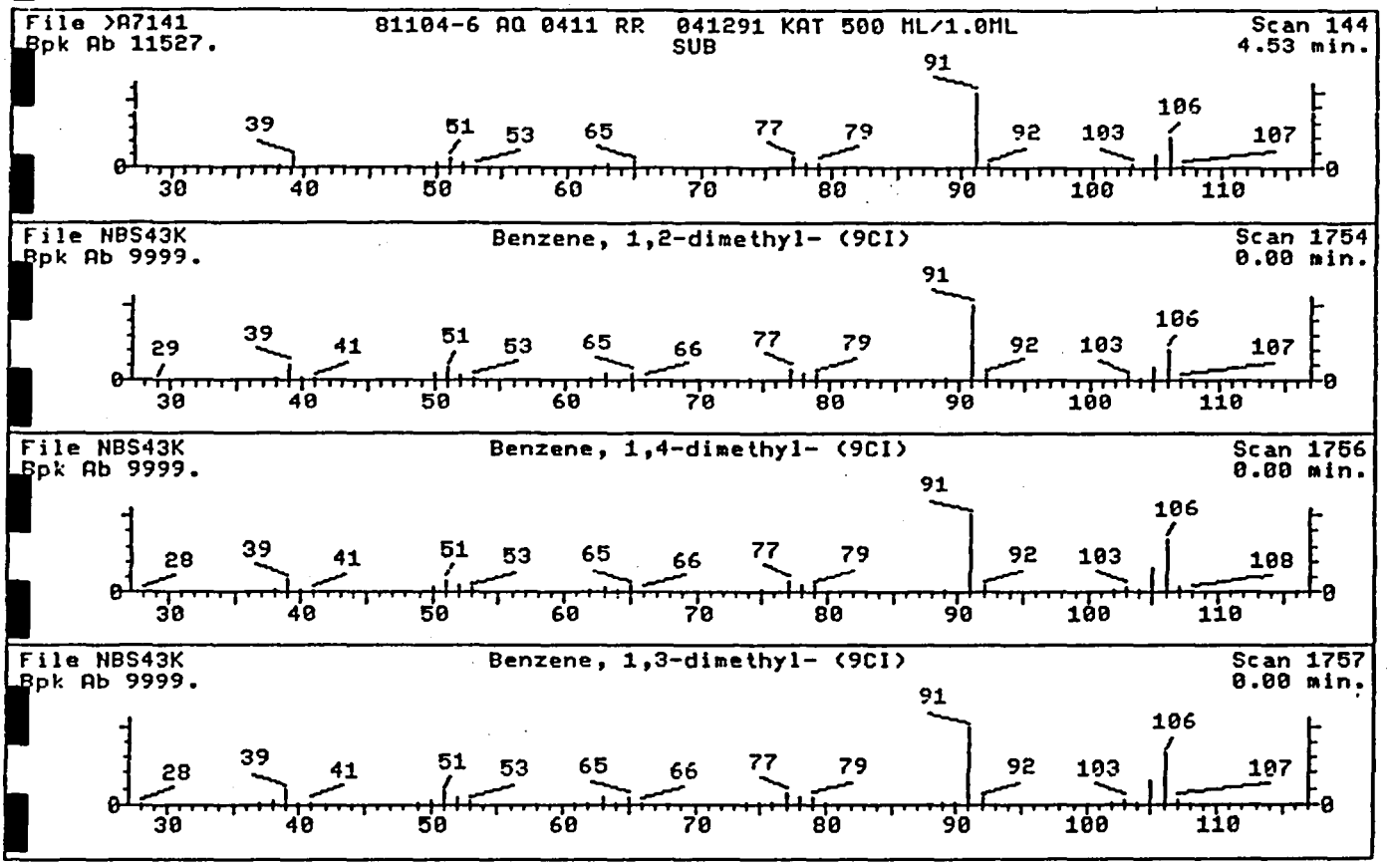



UNKNOWN #,12
AREA = 533284.0 TENTATIVE CONCENTRATION IS 14.00

| | | | |
|---|---|---|---|
| 1. | Cyclohexane, 1,2,4-trimethyl-, (1.alpha.,2.beta.,4.beta.)- (9CI) | 126 | C9H18 |
| 2. | 2-Pyrazoline, 1-isopropyl-5-methyl- (8CI) | 126 | C7H14N2 |
| 3. | Cyclohexane, 1,3,5-trimethyl-, (1.alpha.,3.alpha.,5.alpha.)- (9CI) | 126 | C9H18 |
| 4. | Cyclohexane, 1,1,3-trimethyl- (8CI9CI) | 126 | C9H18 |
| 5. | Cyclohexane, 1,2,3-trimethyl-, (1.alpha.,2.beta.,3.alpha.)- (9CI) | 126 | C9H18 |
| 6. | 1H-Pyrazole, 3-ethyl-4,5-dihydro-1,4-dimethyl- (9CI) | 126 | C7H14N2 |

Sample file: >B9197 Spectrum #: 929
Search speed: 1 Tilting option: N No. of ion ranges searched: 43

| | Prob. | CAS # | CON # | ROOT | K | DK | #FLG | TILT | % | CUN | C_I | R_IV |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1. | 37* | 7667609 | 10808 | NBS43K | 32 | 79 | 2 | 0 | 84 | 30 | 14 | 14 |
| 2. | 32* | 26964545 | 10794 | NBS43K | 30 | 57 | 2 | 0 | 91 | 34 | 12 | 15 |
| 3. | 29* | 1795273 | 10803 | NBS43K | 24 | 75 | 3 | 0 | 79 | 35 | 12 | 12 |
| 4. | 27* | 3073663 | 10806 | NBS43K | 37 | 61 | 3 | 0 | 91 | 38 | 10 | 13 |
| 5. | 27* | 1678815 | 13468 | NBS43K | 30 | 89 | 3 | 0 | 77 | 36 | 10 | 13 |

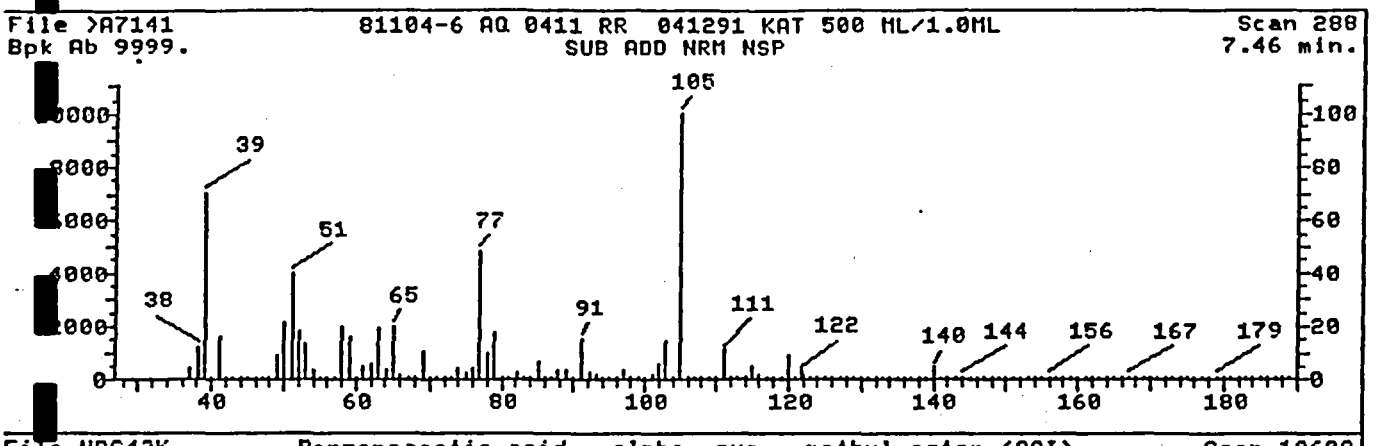


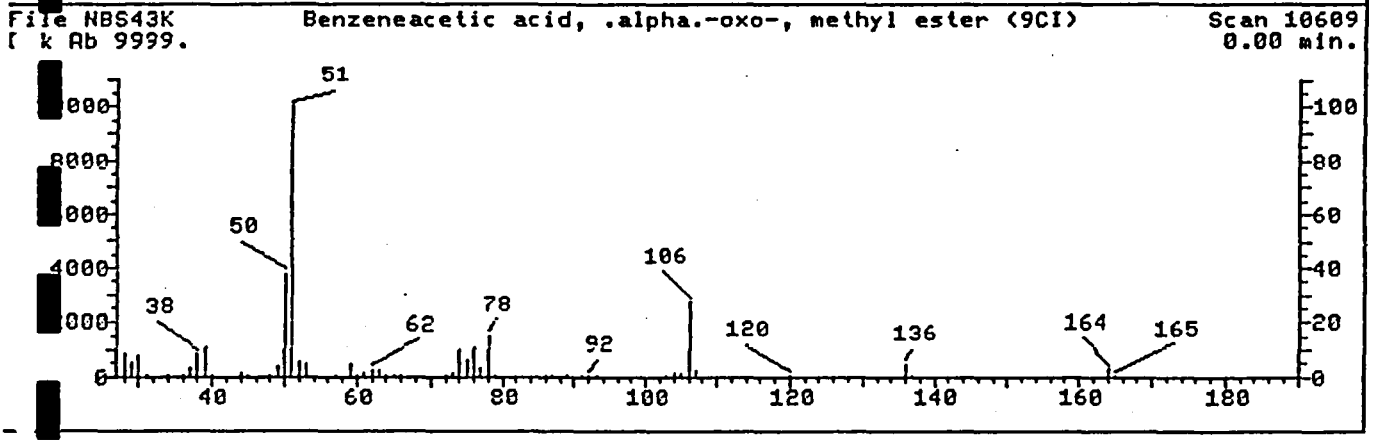

UNKNOWN #,1
AREA = 129698.0 TENTATIVE CONCENTRATION IS 24.00

1. Benzene, 1,2-dimethyl- (9CI) 106 C8H10
2. Benzene, 1,4-dimethyl- (9CI) 106 C8H10
3. Benzene, 1,3-dimethyl- (9CI) 106 C8H10
4. Benzene, ethyl- (8CI9CI) 106 C8H10
5. Cyclopentene, 1-ethenyl-3-methylene- (9CI) 106 C8H10
6. 3,5-Heptadiyn-2-one (8CI9CI) 106 C7H6O

Sample file: >A7141 Spectrum #: 144
Search speed: 1 Tilting option: N No. of ion ranges searched: 41

| | Prob. | CAS # | CON # | ROOT | K | DK | #FLG | TILT | % | CON | C_I | R_IV |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1. | 94* | 95476 | 10058 | NBS43K | 79 | 13 | 1 | 0 | 79 | 6 | 68 | 93 |
| 2. | 87* | 106423 | 10060 | NBS43K | 71 | 22 | 0 | 0 | 57 | 32 | 40 | 89 |
| 3. | 87* | 108383 | 10061 | NBS43K | 70 | 22 | 0 | 0 | 59 | 32 | 40 | 89 |
| 4. | 63* | 100414 | 10059 | NBS43K | 49 | 35 | 1 | 0 | 80 | 20 | 30 | 37 |
| 5. | 49* | 61142072 | 10063 | NBS43K | 51 | 39 | 2 | 0 | 49 | 35 | 20 | 33 |
| 6. | 30* | 13879715 | 2197 | NBS43K | 37 | 63 | 3 | 0 | 100 | 33 | 12 | 13 |



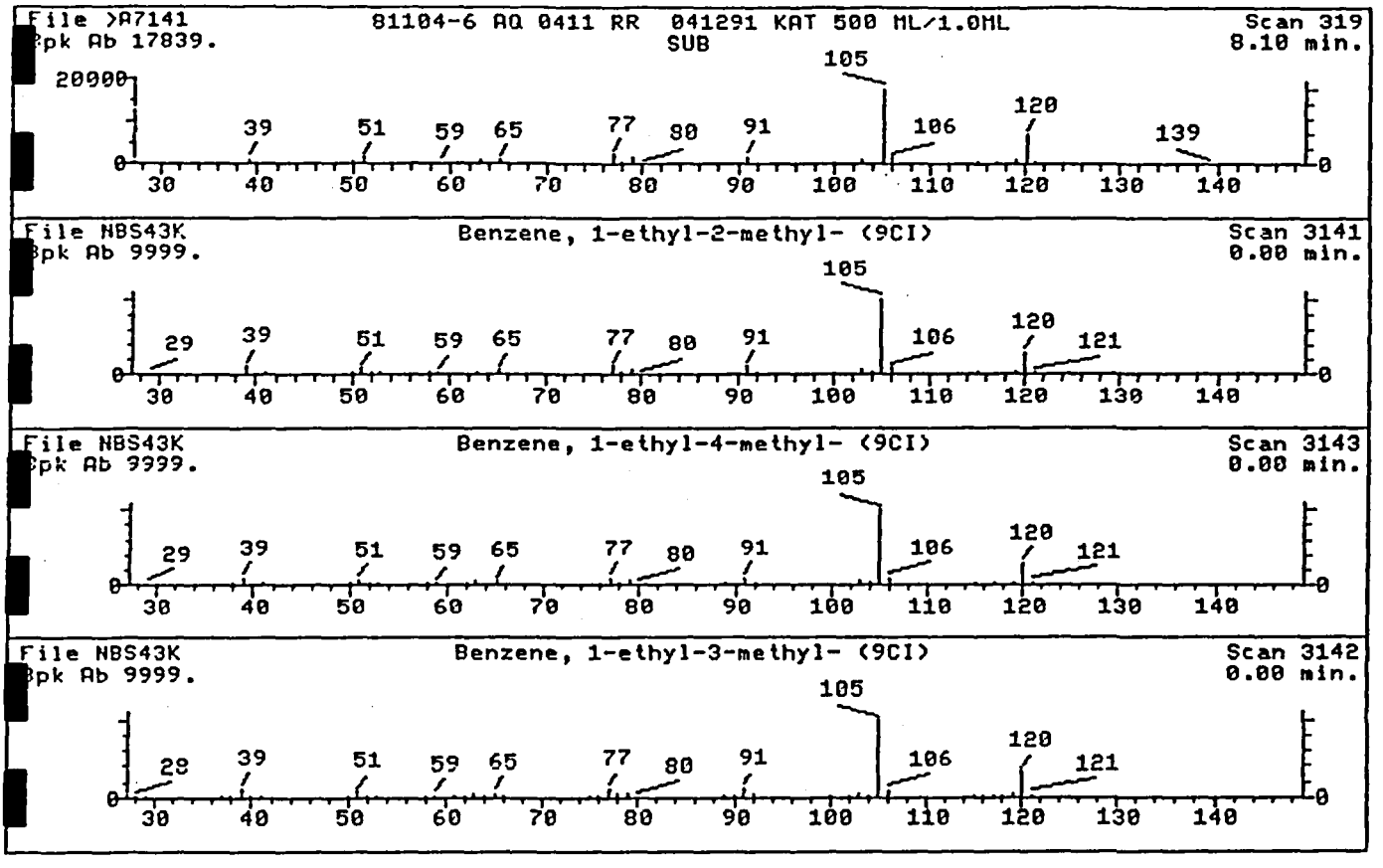




UNKNOWN #,2
AREA = 150698.0 TENTATIVE CONCENTRATION IS 28.00

1. Benzeneacetic acid, .alpha.-oxo-, methyl ester (9CI) 164 C9H8O3

Sample file: >A7141 Spectrum #: 288
Search speed: 1 Tilting option: N No. of ion ranges searched: 43

| | Prob. | CAS # | CON # | ROOT | K | DK | #FLG | TILT | % | CON | C_I | R_IV |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1. | 20 | 15206550 | 475 | NBS43K | 50 | 36 | 1 | 0 | 39 | 53 | 5 | 19 |

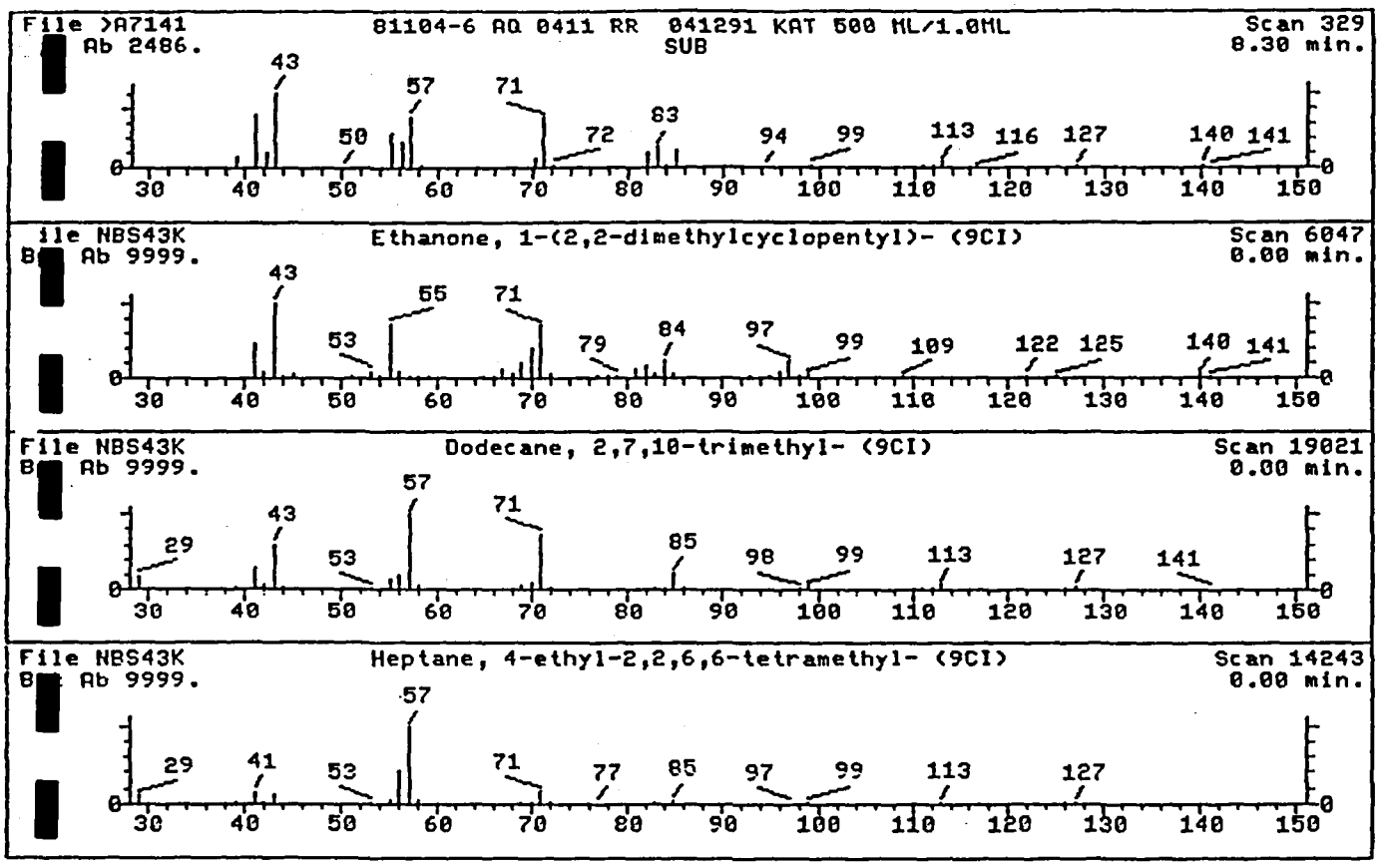



UNKNOWN #,3
AREA = 208173.0 TENTATIVE CONCENTRATION IS 38.00

1. Benzene, 1-ethyl-2-methyl- (9CI) 120 C9H12
2. Benzene, 1-ethyl-4-methyl- (9CI) 120 C9H12
3. Benzene, 1-ethyl-3-methyl- (9CI) 120 C9H12
4. Benzene, 1,2,3-trimethyl- (8CI9CI) 120 C9H12
5. Benzene, 1,2,4-trimethyl- (8CI9CI) 120 C9H12
6. Benzene, (1-methylethyl)- (9CI) 120 C9H12

Sample file: >A7141 Spectrum #: 319
Search speed: 1 Tilting option: N No. of ion ranges searched: 41

| | Prob. | CAS # | CON # | ROOT | K | DK | #FLG | TILT | % | CON | C_I | R_IV |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1. | 89* | 611143 | 12450 | NBS43K | 70 | 15 | 2 | 0 | 94 | 4 | 66 | 61 |
| 2. | 89* | 622968 | 12452 | NBS43K | 70 | 15 | 2 | 0 | 100 | 4 | 66 | 61 |
| 3. | 89* | 620144 | 12451 | NBS43K | 70 | 17 | 2 | 0 | 95 | 3 | 66 | 61 |
| 4. | 88* | 526738 | 12449 | NBS43K | 71 | 29 | 2 | 0 | 72 | 3 | 65 | 52 |
| 5. | 81* | 95636 | 12445 | NBS43K | 62 | 33 | 2 | 0 | 69 | 6 | 53 | 44 |
| 6. | 66* | 98828 | 12446 | NBS43K | 61 | 26 | 2 | 0 | 100 | 16 | 31 | 48 |

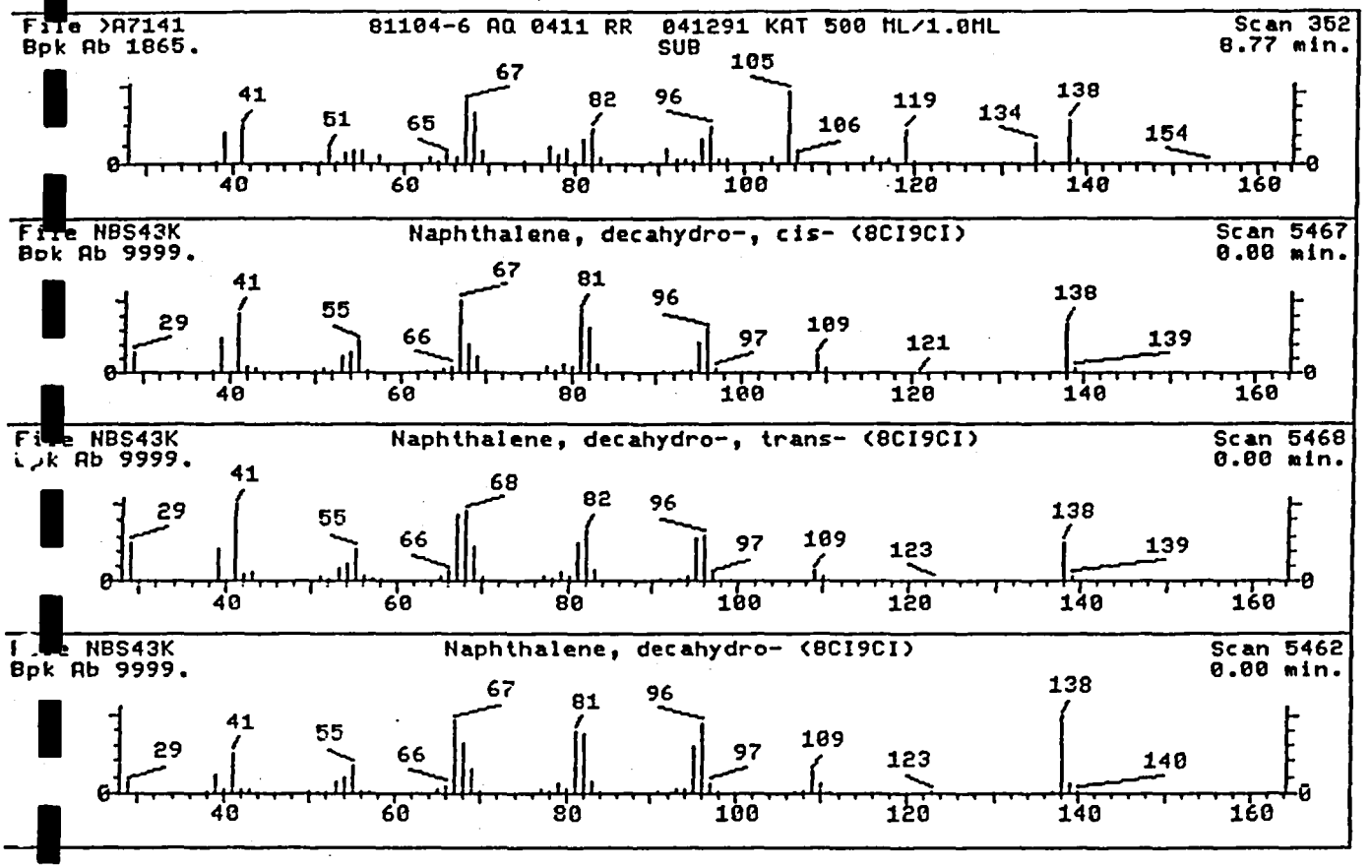



UNKNOWN #,4
AREA = 71925.00 TENTATIVE CONCENTRATION IS 13.00

| | | | |
|---|---|---|---|
| 1. | Ethanone, 1-(2,2-dimethylcyclopentyl)- (9CI) | 140 | C9H16O |
| 2. | Dodecane, 2,7,10-trimethyl- (9CI) | 212 | C15H32 |
| 3. | Heptane, 4-ethyl-2,2,6,6-tetramethyl- (9CI) | 184 | C13H28 |
| 4. | Octane, 6-ethyl-2-methyl- (9CI) | 156 | C11H24 |
| 5. | Nonane, 2-methyl-5-propyl- (8CI) | 184 | C13H28 |
| 6. | Octane, 3-ethyl-2,7-dimethyl- (9CI) | 170 | C12H26 |

Sample file: >A7141 Spectrum #: 329
Search speed: 1 Tilting option: N No. of ion ranges searched: 48

| | Prob. | CAS # | CON # | ROOT | K | DK | #FLG | TILT | % | CON | C_I | R_IV |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1. | 30* | 3664753 | 3715 | NBS43K | 26 | 77 | 3 | 0 | 96 | 33 | 12 | 13 |
| 2. | 30 | 74645980 | 4088 | NBS43K | 67 | 42 | 2 | 0 | 69 | 40 | 10 | 16 |
| 3. | 29 | 62108310 | 1141 | NBS43K | 36 | 46 | 2 | 0 | 418 | 33 | 12 | 12 |
| 4. | 29 | 62016197 | 6165 | NBS43K | 47 | 43 | 2 | 0 | 76 | 40 | 10 | 15 |
| 5. | 26 | 31081171 | 4056 | NBS43K | 54 | 49 | 2 | 0 | 69 | 38 | 10 | 12 |
| 6. | 25 | 62183555 | 6219 | NBS43K | 42 | 49 | 2 | 0 | 87 | 46 | 7 | 12 |

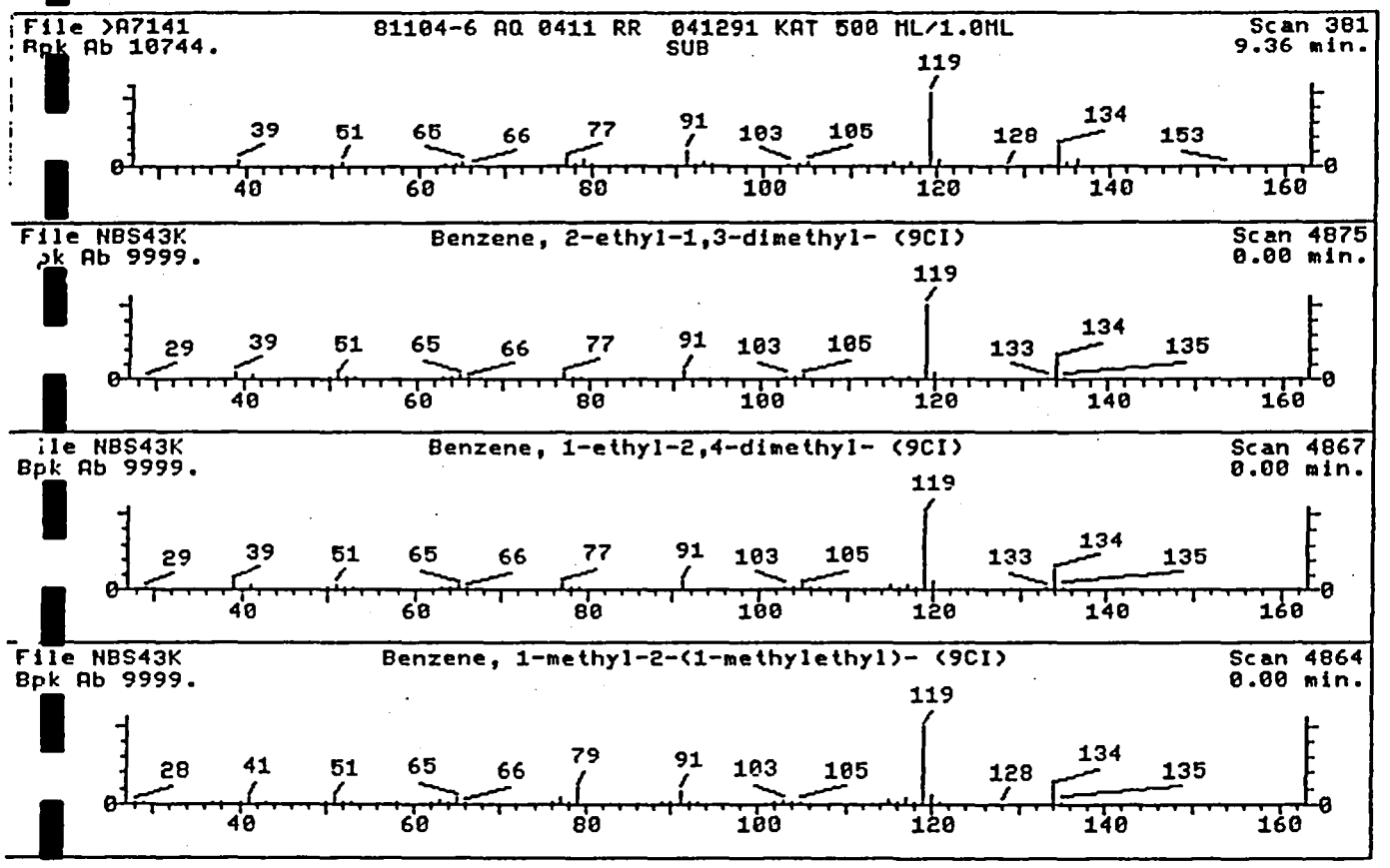



UNKNOWN #,5
AREA = 109374.0 TENTATIVE CONCENTRATION IS 20.00

1. Naphthalene, decahydro-, cis- (8CI9CI) 138 C10H18
2. Naphthalene, decahydro-, trans- (8CI9CI) 138 C10H18
3. Naphthalene, decahydro- (8CI9CI) 138 C10H18
4. Cyclohexene, 3-methyl-6-(1-methylethyl)-, trans- (9C 138 C10H18
5. Cyclohexene, 4-methyl-1-(1-methylethyl)- (9CI) 138 C10H18
6. Bicyclo[2.2.1]heptane, 1,7,7-trimethyl- (9CI) 138 C10H18

Sample file: >A7141 Spectrum #: 352
Search speed: 1 Tilting option: N No. of ion ranges searched: 44

| | Prob. | CAS # | CON # | ROOT | K | DK | #FLG | TILT | % | CON | C_I | R_IV |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1. | 71* | 493016 | 15565 | NBS43K | 83 | 44 | 2 | 0 | 66 | 27 | 29 | 65 |
| 2. | 51* | 493027 | 15566 | NBS43K | 64 | 58 | 3 | 0 | 74 | 27 | 24 | 31 |
| 3. | 40* | 91178 | 15562 | NBS43K | 62 | 50 | 2 | 0 | 43 | 49 | 12 | 40 |
| 4. | 36* | 1124261 | 15570 | NBS43K | 34 | 69 | 3 | 0 | 247 | 30 | 14 | 13 |
| 5. | 36* | 500005 | 15567 | NBS43K | 35 | 75 | 3 | 0 | 235 | 30 | 14 | 13 |
| 6. | 36* | 464153 | 15564 | NBS43K | 30 | 75 | 3 | 0 | 236 | 26 | 14 | 13 |

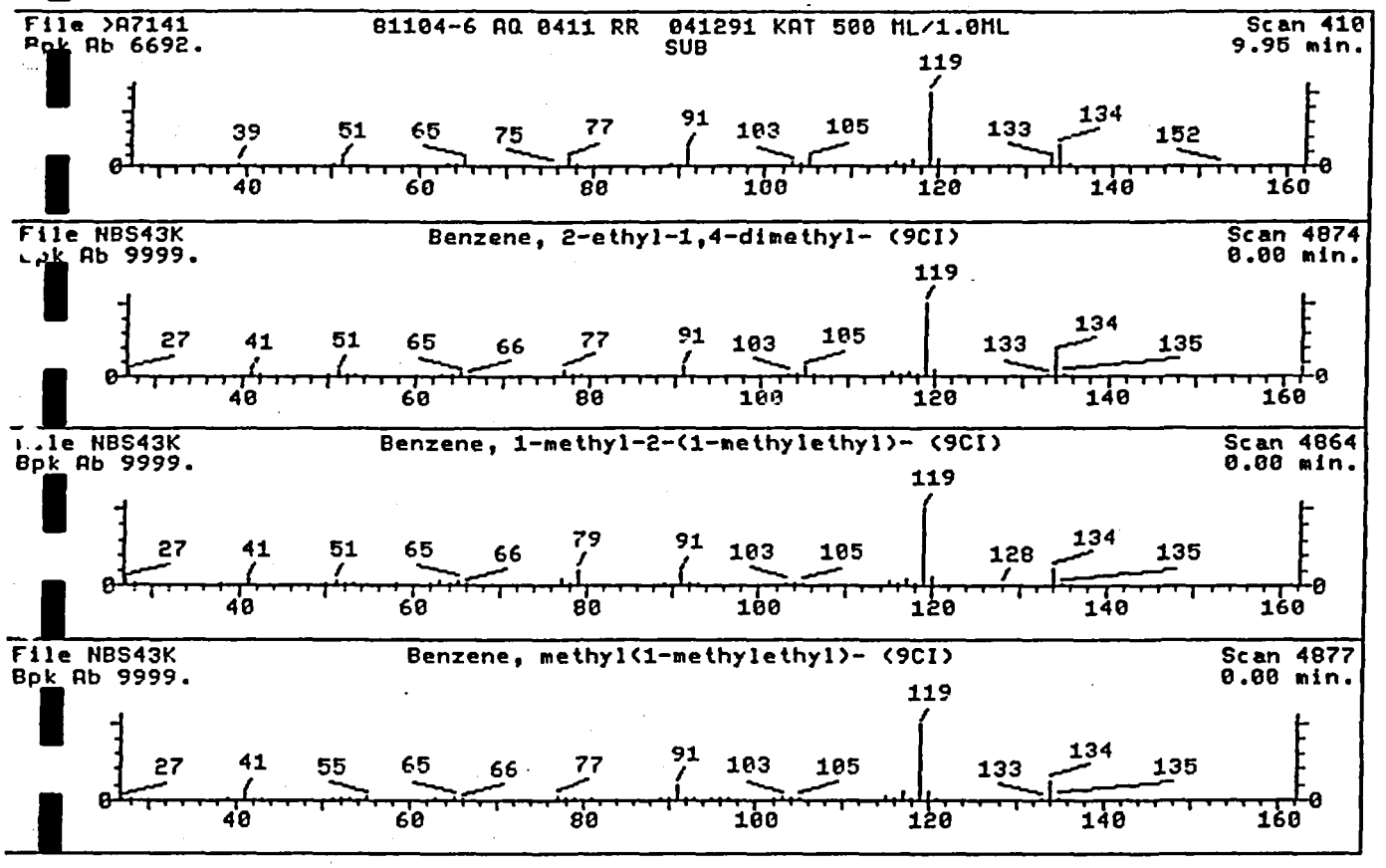



UNKNOWN #,6
AREA = 172447.0 TENTATIVE CONCENTRATION IS 32.00

1. Benzene, 2-ethyl-1,3-dimethyl- (9CI) 134 C10H14
2. Benzene, 1-ethyl-2,4-dimethyl- (9CI) 134 C10H14
3. Benzene, 1-methyl-2-(1-methylethyl)- (9CI) 134 C10H14
4. Benzene, 1-methyl-3-(1-methylethyl)- (9CI) 134 C10H14
5. Benzene, 2-ethyl-1,4-dimethyl- (9CI) 134 C10H14
6. Benzene, 1-ethyl-3,5-dimethyl- (9CI) 134 C10H14

Sample file: >A7141 Spectrum #: 381
Search speed: 1 Tilting option: N No. of ion ranges searched: 41

| | Prob. | CAS # | CON # | ROOT | K | DK | #FLG | TILT | % | CON | C_I | R_IV |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1. | 87* | 2870044 | 12316 | NBS43K | 67 | 22 | 0 | 0 | 94 | 11 | 55 | 80 |
| 2. | 87* | 874419 | 12311 | NBS43K | 66 | 22 | 0 | 0 | 94 | 11 | 55 | 80 |
| 3. | 83* | 527844 | 12309 | NBS43K | 74 | 18 | 1 | 0 | 91 | 11 | 51 | 77 |
| 4. | 83* | 535773 | 12310 | NBS43K | 69 | 20 | 1 | 0 | 90 | 11 | 51 | 73 |
| 5. | 81* | 1758889 | 12315 | NBS43K | 63 | 31 | 2 | 0 | 87 | 9 | 53 | 48 |
| 6. | 81* | 934747 | 12313 | NBS43K | 63 | 32 | 2 | 0 | 81 | 9 | 53 | 46 |




UNKNOWN #,7

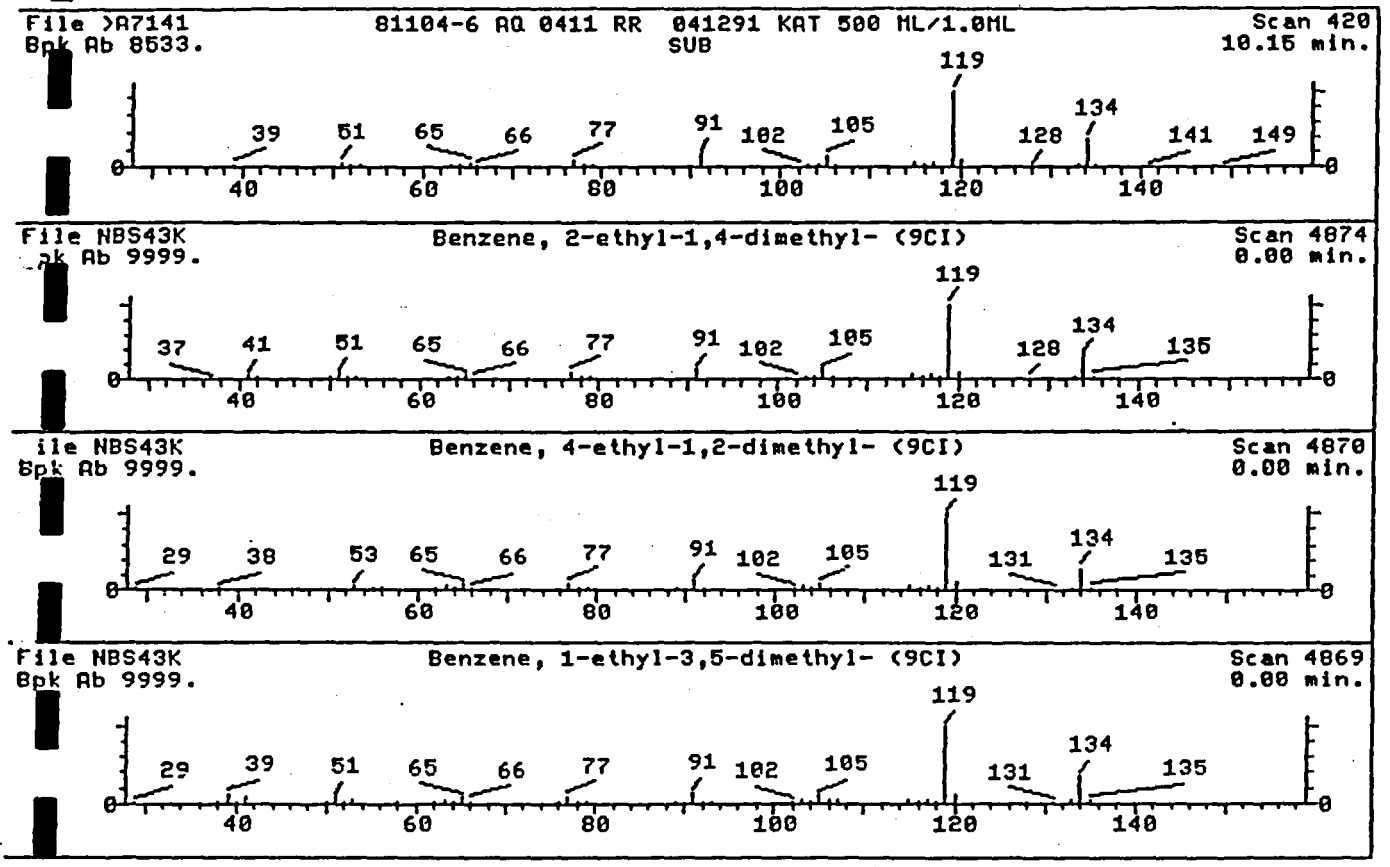
AREA = 97490.00 TENTATIVE CONCENTRATION IS 12.00

1. Benzene, 2-ethyl-1,4-dimethyl- (9CI) 134 C10H14
2. Benzene, 1-methyl-2-(1-methylethyl)- (9CI) 134 C10H14
3. Benzene, methyl(1-methylethyl)- (9CI) 134 C10H14
4. Benzene, 4-ethyl-1,2-dimethyl- (9CI) 134 C10H14
5. Benzene, 2-ethyl-1,3-dimethyl- (9CI) 134 C10H14
6. Benzene, 1-methyl-3-(1-methylethyl)- (9CI) 134 C10H14

Sample file: >A7141 Spectrum #: 410

Search speed: 1 Tilting option: N No. of ion ranges searched: 41

| | Prob. | CAS # | CON # | ROOT | K | DK | #FLG | TILT | % | CON | C_I | R_IV |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1. | 83* | 1758889 | 12315 | NBS43K | 75 | 19 | 1 | 0 | 83 | 12 | 51 | 76 |
| 2. | 79* | 527844 | 12309 | NBS43K | 74 | 18 | 2 | 0 | 95 | 14 | 43 | 67 |
| 3. | 79* | 25155151 | 12318 | NBS43K | 70 | 20 | 2 | 0 | 97 | 14 | 43 | 61 |
| 4. | 79* | 934805 | 12314 | NBS43K | 68 | 25 | 1 | 0 | 95 | 12 | 43 | 66 |
| 5. | 76* | 2870044 | 12316 | NBS43K | 61 | 28 | 1 | 0 | 98 | 15 | 40 | 59 |
| 6. | 74* | 535773 | 12310 | NBS43K | 56 | 33 | 1 | 0 | 82 | 12 | 39 | 49 |

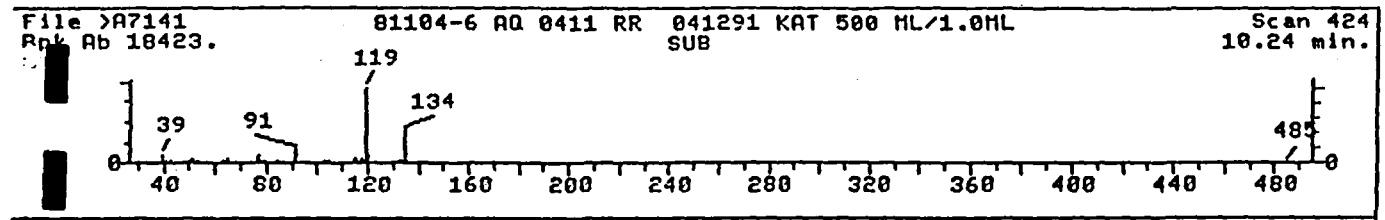


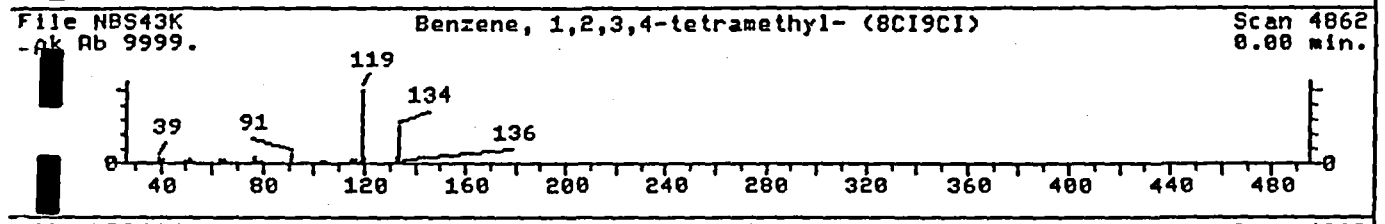

UNKNOWN #,8
AREA = 118015.0 TENTATIVE CONCENTRATION IS 14.00

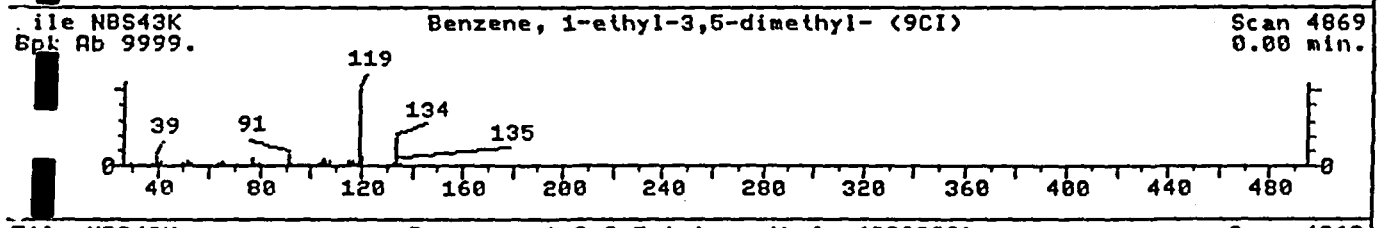
| | | | |
|---|---|---|---|
| 1. | Benzene, 2-ethyl-1,4-dimethyl- (9CI) | 134 | C10H14 |
| 2. | Benzene, 4-ethyl-1,2-dimethyl- (9CI) | 134 | C10H14 |
| 3. | Benzene, 1-ethyl-3,5-dimethyl- (9CI) | 134 | C10H14 |
| 4. | Benzene, 1,2,3,5-tetramethyl- (8CI9CI) | 134 | C10H14 |
| 5. | Benzene, 1,2,3,4-tetramethyl- (8CI9CI) | 134 | C10H14 |
| 6. | Benzene, 1-ethyl-2,3-dimethyl- (9CI) | 134 | C10H14 |

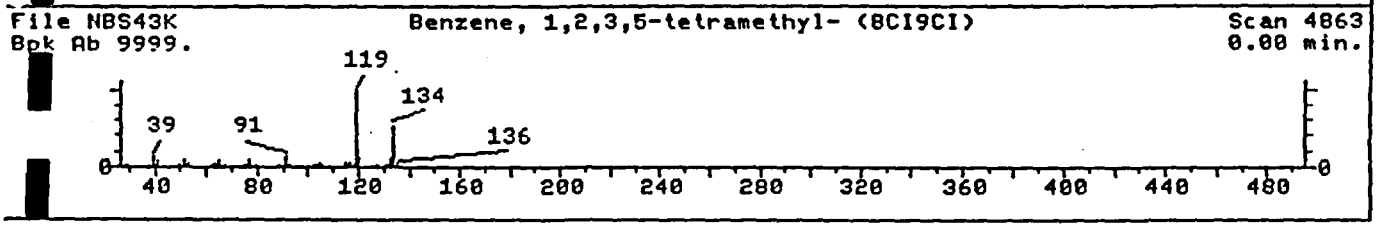
Sample file: >A7141 Spectrum #: 420
Search speed: 1 Tilting option: N No. of ion ranges searched: 42

| | Prob. | CAS # | CON # | ROOT | K | DK | #FLG | TILT | % | CON | C_I | R_IV |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1. | 96* | 1758889 | 12315 | NBS43K | 88 | 6 | 1 | 0 | 90 | 5 | 72 | 96 |
| 2. | 94* | 934805 | 12314 | NBS43K | 79 | 14 | 1 | 0 | 90 | 5 | 72 | 92 |
| 3. | 88* | 934747 | 12313 | NBS43K | 71 | 24 | 2 | 0 | 99 | 5 | 65 | 57 |
| 4. | 87* | 527537 | 14690 | NBS43K | 63 | 30 | 2 | 0 | 71 | 5 | 63 | 49 |
| 5. | 87* | 488233 | 14689 | NBS43K | 63 | 31 | 2 | 0 | 76 | 5 | 63 | 48 |
| 6. | 86* | 933982 | 12312 | NBS43K | 76 | 15 | 2 | 0 | 99 | 7 | 59 | 71 |



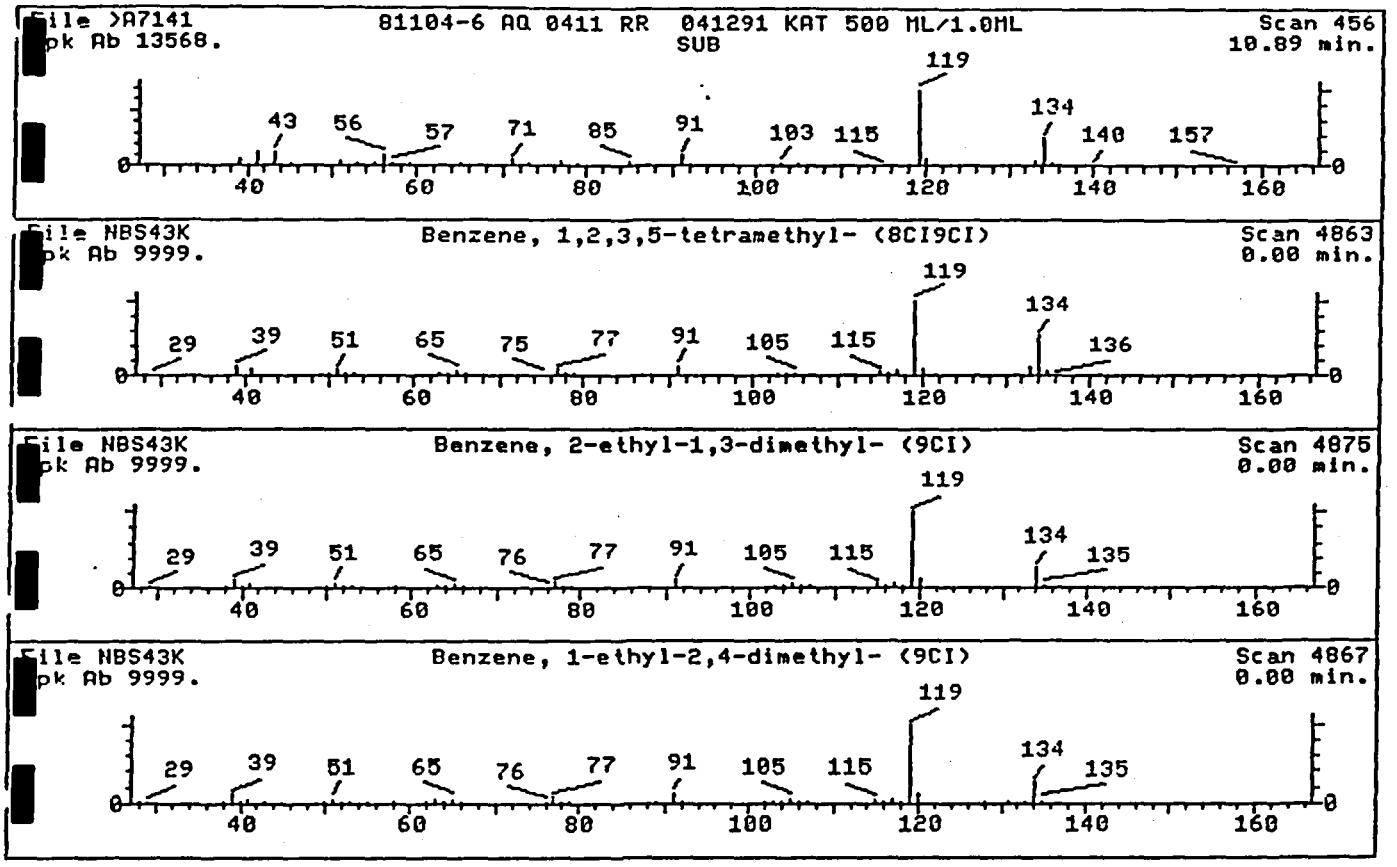




UNKNOWN #,9
AREA = 165837.0 TENTATIVE CONCENTRATION IS 20.00

1. Benzene, 1,2,3,4-tetramethyl- (8CI9CI) 134 C10H14
2. Benzene, 1-ethyl-3,5-dimethyl- (9CI) 134 C10H14
3. Benzene, 1,2,3,5-tetramethyl- (8CI9CI) 134 C10H14
4. Benzene, 1-ethyl-2,3-dimethyl- (9CI) 134 C10H14
5. Benzene, 2-ethyl-1,4-dimethyl- (9CI) 134 C10H14
6. Benzene, 4-ethyl-1,2-dimethyl- (9CI) 134 C10H14

Sample file: >A7141 Spectrum #: 424
Search speed: 1 Tilting option: N No. of ion ranges searched: 41

| | Prob. | CAS # | CON # | ROOT | K | DK | #FLG | TILT | % | CON | C_I | R_IV |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1. | 87* | 488233 | 14689 | NBS43K | 64 | 30 | 2 | 0 | 84 | 1 | 63 | 49 |
| 2. | 87* | 934747 | 12313 | NBS43K | 58 | 37 | 2 | 0 | 100 | 3 | 63 | 40 |
| 3. | 87* | 527537 | 14690 | NBS43K | 56 | 37 | 2 | 0 | 79 | 1 | 63 | 40 |
| 4. | 86* | 933982 | 12312 | NBS43K | 51 | 40 | 2 | 0 | 100 | 4 | 60 | 33 |
| 5. | 86* | 1758889 | 12315 | NBS43K | 51 | 43 | 2 | 0 | 100 | 3 | 60 | 31 |
| 6. | 86* | 934805 | 12314 | NBS43K | 50 | 43 | 2 | 0 | 100 | 3 | 60 | 31 |

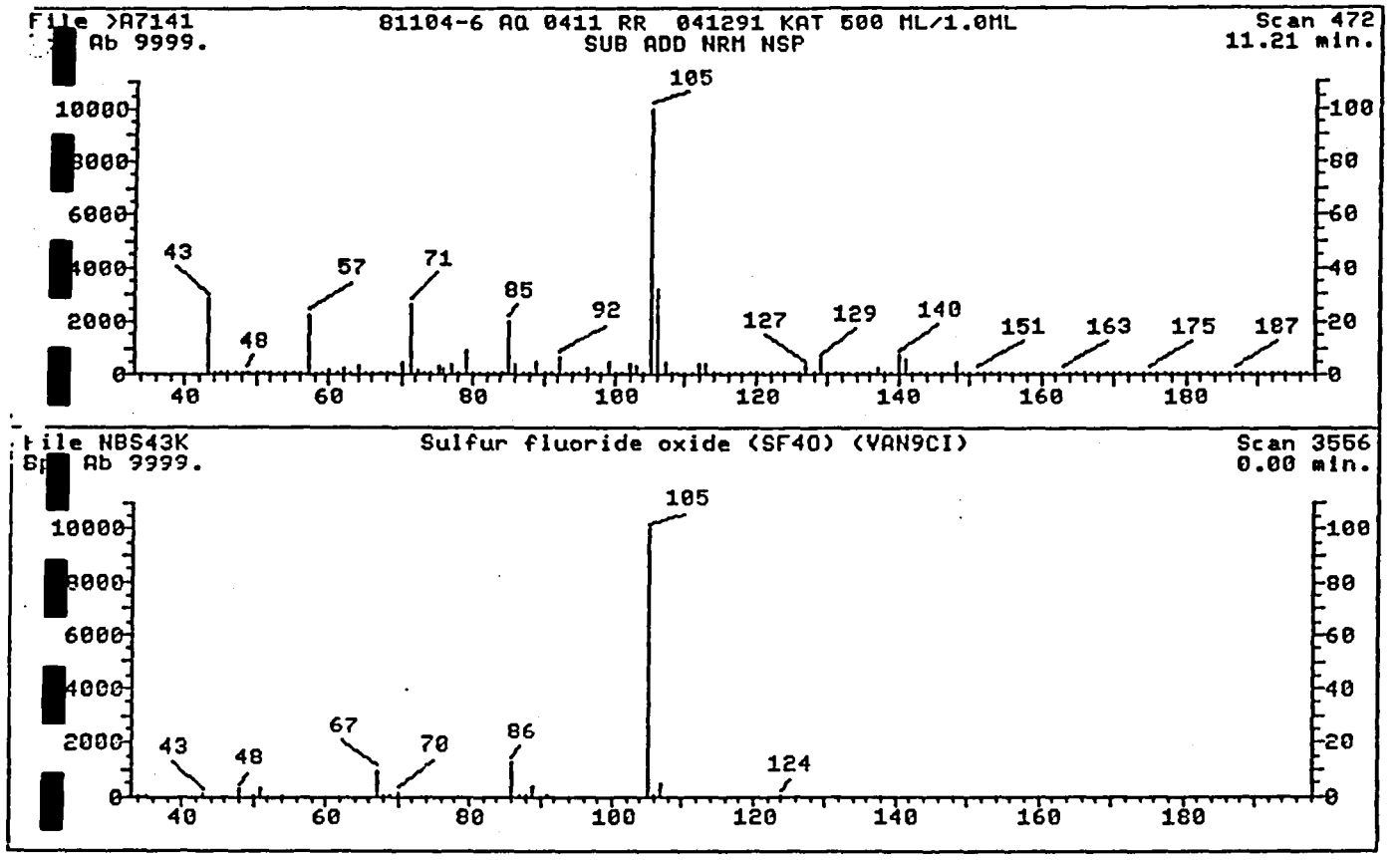



UNKNOWN #,11
AREA = 150629.0 TENTATIVE CONCENTRATION IS 18.00

1. Benzene, 1,2,3,5-tetramethyl- (8CI9CI) 134 C10H14
2. Benzene, 2-ethyl-1,3-dimethyl- (9CI) 134 C10H14
3. Benzene, 1-ethyl-2,4-dimethyl- (9CI) 134 C10H14
4. Benzene, 1-ethyl-2,3-dimethyl- (9CI) 134 C10H14
5. Benzene, 2-ethyl-1,4-dimethyl- (9CI) 134 C10H14
6. Benzene, 1-ethyl-3,5-dimethyl- (9CI) 134 C10H14

Sample file: >A7141 Spectrum #: 456
Search speed: 1 Tilting option: N No. of ion ranges searched: 41

| | Prob. | CAS # | CON # | ROOT | K | DK | #FLG | TILT | % | CON | C_I | R_IV |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1. | 76* | 527537 | 14690 | NBS43K | 46 | 47 | 2 | 0 | 69 | 8 | 45 | 26 |
| 2. | 76* | 2870044 | 12316 | NBS43K | 43 | 46 | 2 | 0 | 99 | 8 | 45 | 23 |
| 3. | 76* | 874419 | 12311 | NBS43K | 42 | 46 | 2 | 0 | 99 | 8 | 45 | 22 |
| 4. | 76* | 933982 | 12312 | NBS43K | 43 | 48 | 2 | 0 | 99 | 8 | 45 | 23 |
| 5. | 76* | 1758889 | 12315 | NBS43K | 44 | 50 | 2 | 0 | 93 | 8 | 45 | 23 |
| 6. | 76* | 934747 | 12313 | NBS43K | 50 | 45 | 2 | 0 | 99 | 6 | 45 | 28 |



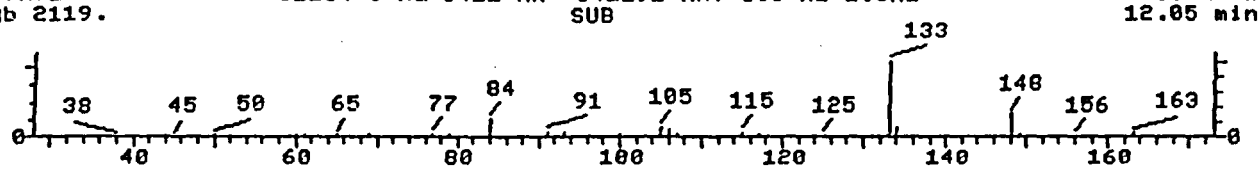

UNKNOWN #,12
AREA = 68503.00 TENTATIVE CONCENTRATION IS 8.00

1. Sulfur fluoride oxide (SF4O) (VAN9CI) 124 F4OS

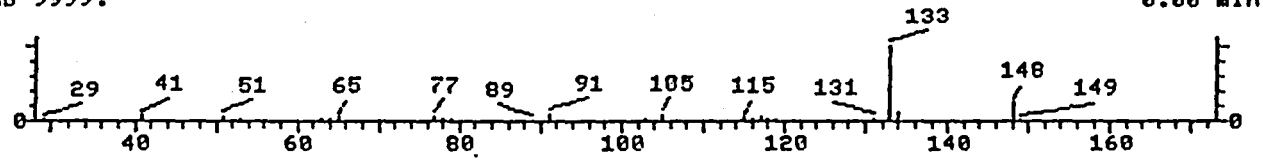
Sample file: >A7141 Spectrum #: 472
Search speed: 1 Tilting option: N No. of ion ranges searched: 59

| | Prob. | CAS # | CON # | ROOT | K | DK | #FLG | TILT | % | CON | C_I | R_IV |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1. | 25* | 13709541 | 6477 | NBS43K | 21 | 55 | 2 | 0 | 100 | 44 | 8 | 13 |

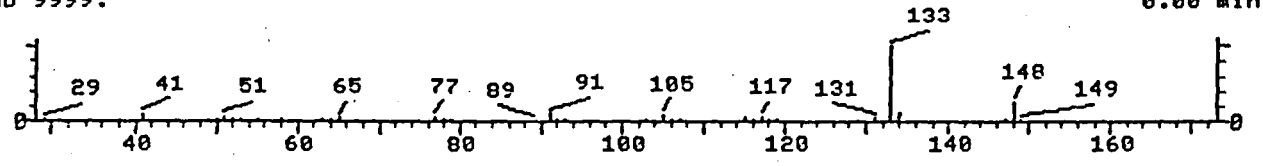
File >A7141 81104-6 AQ 0411 RR 041291 KAT 500 ML/1.0ML Scan 513
Ab 2119. SUB 12.05 min.



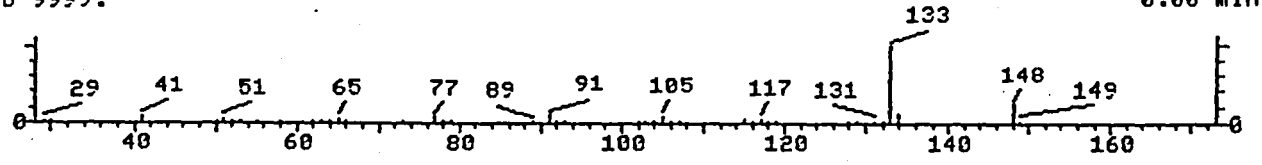

File NBS43K Benzene, 1,4-dimethyl-2-(1-methylethyl)- (9CI) Scan 7320
Bp Ab 9999. 0.00 min.




File NBS43K Benzene, 1,3-dimethyl-5-(1-methylethyl)- (9CI) Scan 7324
Bp Ab 9999. 0.00 min.




File NBS43K Benzene, 2,4-dimethyl-1-(1-methylethyl)- (9CI) Scan 7323
Bp Ab 9999. 0.00 min.

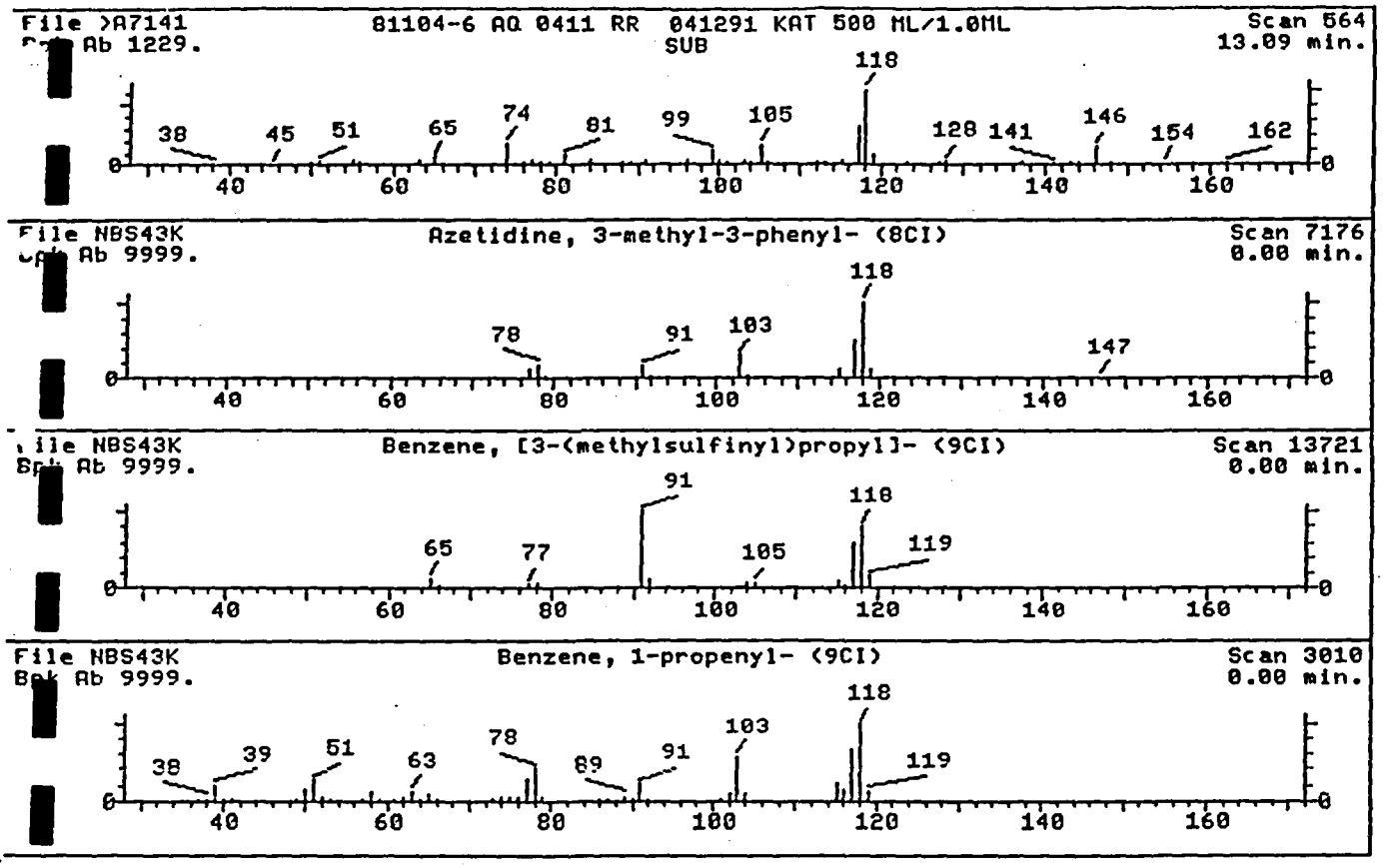



UNKNOWN #,13
AREA = 72573.00 TENTATIVE CONCENTRATION IS 9.00

1. Benzene, 1,4-dimethyl-2-(1-methylethyl)- (9CI) 148 C11H16
2. Benzene, 1,3-dimethyl-5-(1-methylethyl)- (9CI) 148 C11H16
3. Benzene, 2,4-dimethyl-1-(1-methylethyl)- (9CI) 148 C11H16
4. Benzene, 1-(1,1-dimethylethyl)-3-methyl- (9CI) 148 C11H16
5. Ethanone, 1-(4-ethylphenyl)- (9CI) 148 C10H12O
6. Benzene, (1,1-dimethylethyl)methyl- (9CI) 148 C11H16

Sample file: >A7141 Spectrum #: 513
Search speed: 1 Tilting option: N No. of ion ranges searched: 42

| | Prob. | CAS # | CON # | ROOT | K | DK | #FLG | TILT | % | CON | C_I | R_IV |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1. | 49* | 4132723 | 14598 | NBS43K | 42 | 52 | 2 | 0 | 100 | 25 | 22 | 21 |
| 2. | 48* | 4706905 | 14601 | NBS43K | 40 | 50 | 2 | 0 | 100 | 25 | 17 | 19 |
| 3. | 46* | 4706892 | 14600 | NBS43K | 35 | 55 | 2 | 0 | 100 | 25 | 17 | 17 |
| 4. | 43* | 1075383 | 14597 | NBS43K | 40 | 53 | 3 | 0 | 100 | 25 | 17 | 14 |
| 5. | 42* | 937304 | 14594 | NBS43K | 30 | 63 | 3 | 0 | 100 | 25 | 17 | 13 |
| 6. | 42* | 27138212 | 14604 | NBS43K | 45 | 45 | 3 | 0 | 100 | 29 | 14 | 19 |

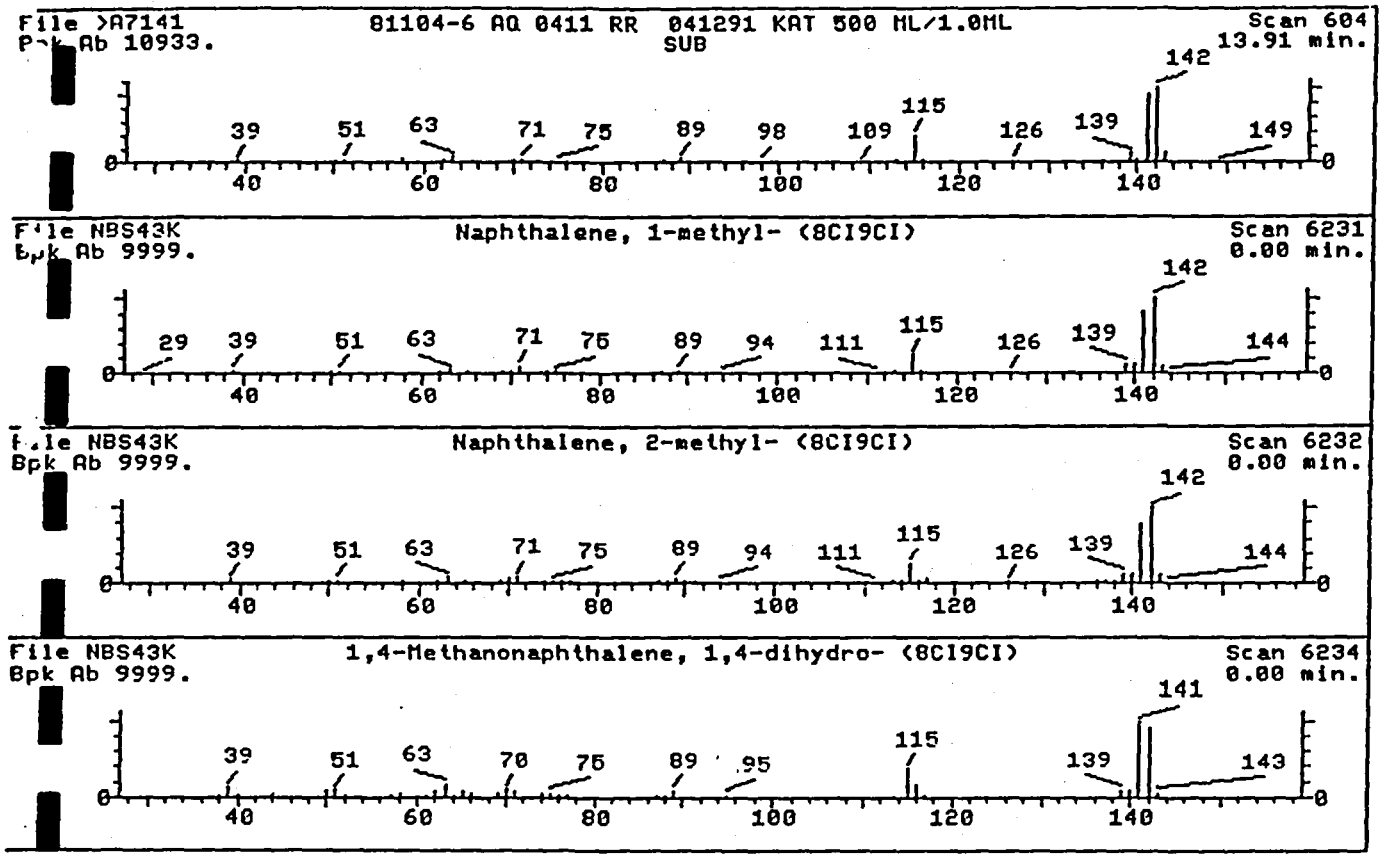



UNKNOWN #,14
REA = 70180.00 TENTATIVE CONCENTRATION IS 8.00

| | | |
|---|---|---|
| 1. Azetidine, 3-methyl-3-phenyl- (8CI) | 147 | C10H13N |
| 2. Benzene, [3-(methylsulfinyl)propyl]- (9CI) | 182 | C10H14OS |
| 3. Benzene, 1-propenyl- (9CI) | 118 | C9H10 |
| 4. Benzene, (1-methylethenyl)- (9CI) | 118 | C9H10 |
| 5. Benzene, (1-methylenebutyl)- (9CI) | 146 | C11H14 |
| 6. Benzene, 1-ethenyl-2-methyl- (9CI) | 118 | C9H10 |

Sample file: >A7141 Spectrum #: 564
Search speed: 1 Tilting option: N No. of ion ranges searched: 42

| | Prob. | CAS # | CON # | ROOT | K | DK | #FLG | TILT | % | CON | C_I | R_IV |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1. | 31* | 5961331 | 12177 | NBS43K | 40 | 52 | 2 | 0 | 100 | 41 | 8 | 19 |
| 2. | 29 | 14198131 | 12233 | NBS43K | 49 | 36 | 2 | 0 | 88 | 41 | 8 | 17 |
| 3. | 26* | 637503 | 12153 | NBS43K | 37 | 76 | 2 | 0 | 79 | 41 | 8 | 14 |
| 4. | 26* | 98839 | 12147 | NBS43K | 31 | 79 | 2 | 0 | 70 | 41 | 8 | 14 |
| 5. | 25* | 5676324 | 12175 | NBS43K | 30 | 79 | 3 | 0 | 100 | 41 | 8 | 13 |
| 6. | 15* | 611154 | 12151 | NBS43K | 31 | 62 | 2 | 0 | 53 | 60 | 3 | 14 |

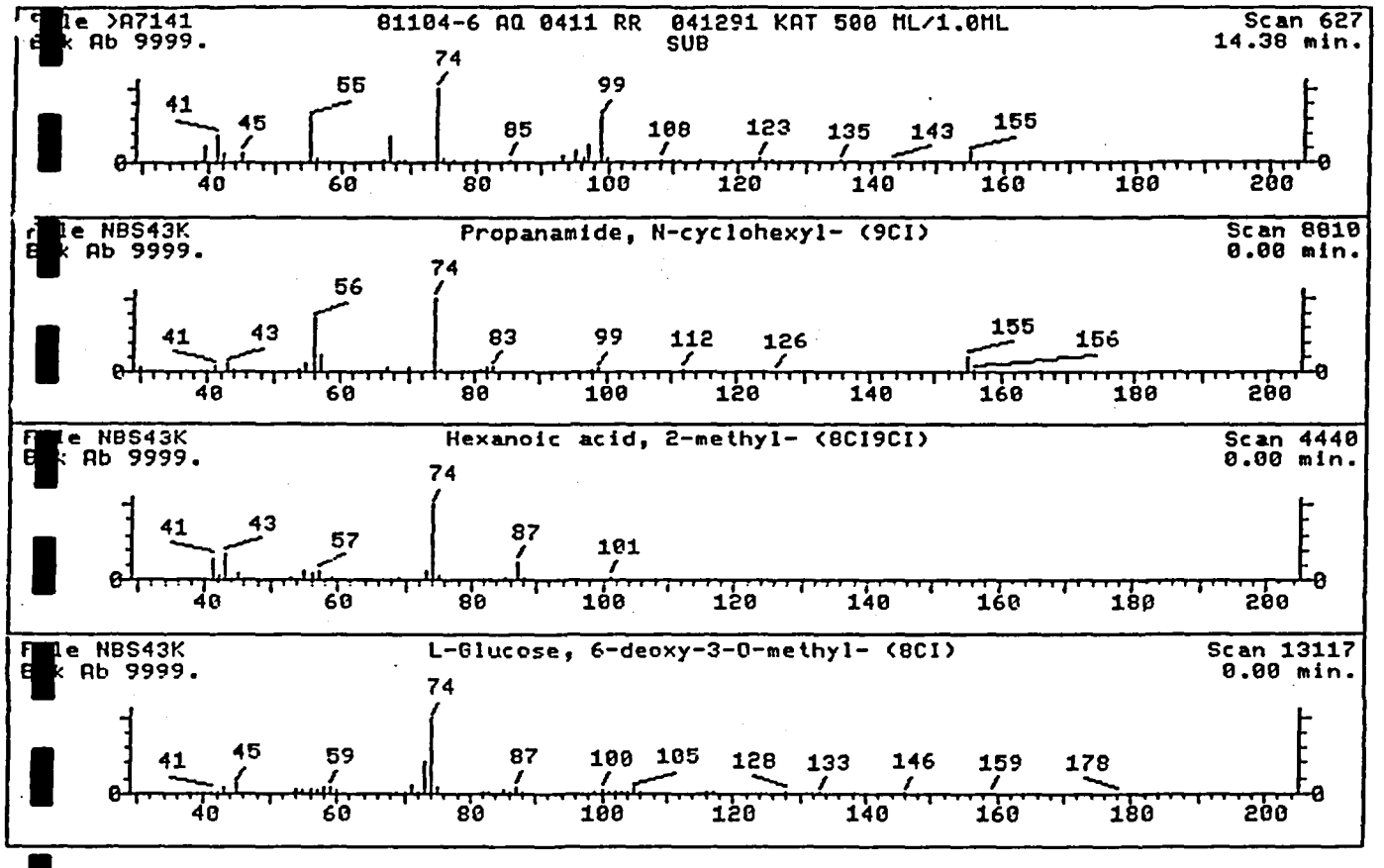



UNKNOWN #,15
AREA = 90995.00 TENTATIVE CONCENTRATION IS 11.00

1. Naphthalene, 1-methyl- (8CI9CI) 142 C11H10
2. Naphthalene, 2-methyl- (8CI9CI) 142 C11H10
3. 1,4-Methanonaphthalene, 1,4-dihydro- (8CI9CI) 142 C11H10
4. 1H-Indene, 1-ethylidene- (9CI) 142 C11H10
5. Benzeneacetonitrile, 4-cyano- (9CI) 142 C9H6N2
6. 1H-Indole-5-carbonitrile 142 C9H6N2

Sample file: >A7141 Spectrum #: 604
Search speed: 1 Tilting option: N No. of ion ranges searched: 41

| | Prob. | CAS # | CON # | ROOT | K | DK | #FLG | TILT | % | CON | C_I | R_IV |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1. | 88* | 90120 | 16328 | NBS43K | 70 | 30 | 2 | 0 | 98 | 4 | 65 | 50 |
| 2. | 87* | 91576 | 16329 | NBS43K | 64 | 34 | 2 | 0 | 100 | 4 | 63 | 44 |
| 3. | 78* | 4453901 | 16331 | NBS43K | 33 | 69 | 2 | 0 | 90 | 5 | 55 | 14 |
| 4. | 59* | 2471832 | 16330 | NBS43K | 59 | 41 | 2 | 0 | 81 | 21 | 27 | 36 |
| 5. | 28* | 876313 | 16390 | NBS43K | 31 | 68 | 2 | 0 | 85 | 39 | 10 | 14 |
| 6. | 27* | 15861242 | 16392 | NBS43K | 34 | 60 | 2 | 0 | 90 | 44 | 8 | 15 |

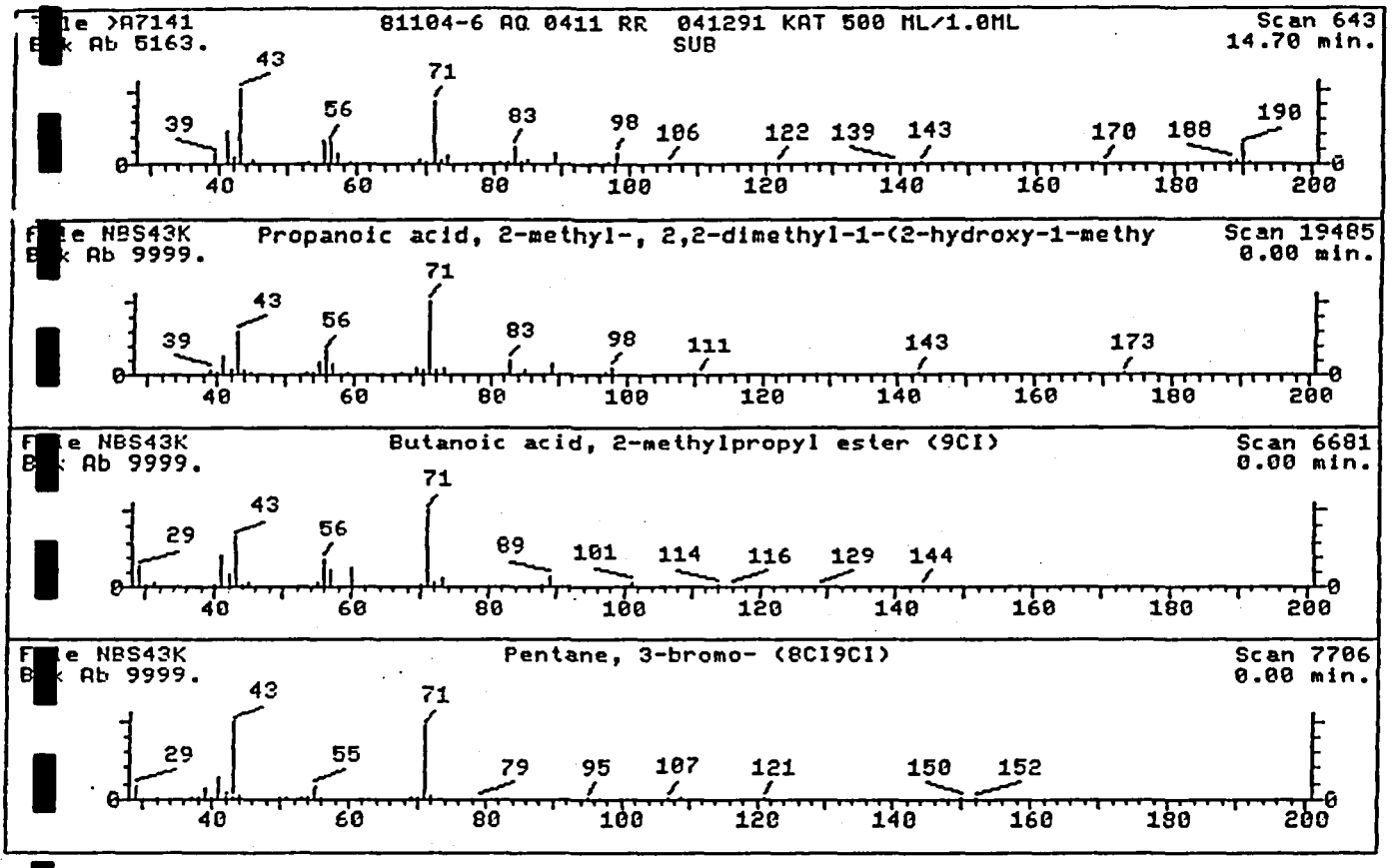



UNKNOWN #,16
AREA = 79268.00 TENTATIVE CONCENTRATION IS 9.00

| | | | |
|---|---|---|---|
| 1. | Propanamide, N-cyclohexyl- (9CI) | 155 | C9H17NO |
| 2. | Hexanoic acid, 2-methyl- (8CI9CI) | 130 | C7H14O2 |
| 3. | L-Glucose, 6-deoxy-3-O-methyl- (8CI) | 178 | C7H14O5 |
| 4. | Pentanoic acid, methyl ester (9CI) | 116 | C6H12O2 |
| 5. | Butanoic acid, 2-methyl- (9CI) | 102 | C5H10O2 |
| 6. | Ethanone, 1-(3,3-dimethyloxiranyl)- (9CI) | 114 | C6H10O2 |

Sample file: >A7141 Spectrum #: 627
Search speed: 1 Tilting option: N No. of ion ranges searched: 43

| | Prob. | CAS # | CON # | ROOT | K | DK | #FLG | TILT | % | CON | C_I | R_IV |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1. | 25* | 1126563 | 4540 | NBS43K | 21 | 69 | 2 | 0 | 74 | 48 | 7 | 13 |
| 2. | 15 | 4536236 | 4518 | NBS43K | 38 | 49 | 2 | 0 | 100 | 56 | 3 | 12 |
| 3. | 15* | 18546093 | 4556 | NBS43K | 30 | 62 | 2 | 0 | 100 | 56 | 3 | 14 |
| 4. | 15* | 624248 | 4507 | NBS43K | 28 | 72 | 3 | 0 | 100 | 56 | 3 | 13 |
| 5. | 15* | 116530 | 4492 | NBS43K | 23 | 70 | 2 | 0 | 82 | 57 | 3 | 13 |

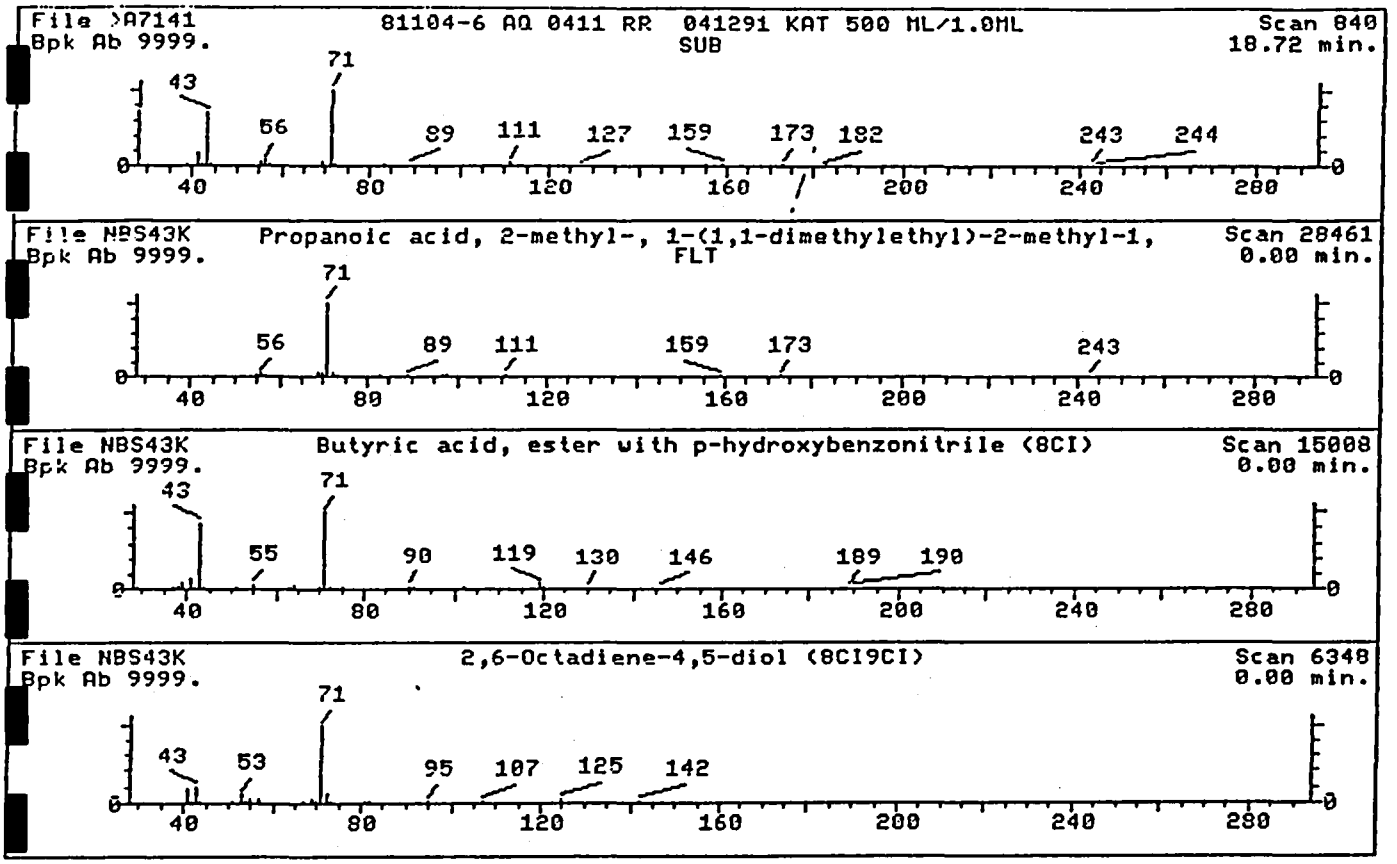



UNKNOWN #,17
AREA = 103409.0 TENTATIVE CONCENTRATION IS 12.00

1. Propanoic acid, 2-methyl-, 2,2-dimethyl-1-(2-hydroxy -1-methylethyl)propy 216 C12H24O3
2. Butanoic acid, 2-methylpropyl ester (9CI) 144 C8H16O2
3. Pentane, 3-bromo- (8CI9CI) 150 C5H11Br
4. Pentane, 2-bromo- (8CI9CI) 150 C5H11Br
5. Azetidine, 2-methyl- (8CI9CI) 71 C4H9N
6. Butenol, methyl- (9CI) 86 C5H10O

Sample file: >A7141 Spectrum #: 643
Search speed: 1 Tilting option: N No. of ion ranges searched: 42

| | Prob. | CAS # | CON # | ROOT | K | DK | #FLG | TILT | % | CON | C_I | R_IV |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1. | 62 | 74367332 | 4093 | NBS43K | 90 | 24 | 1 | 0 | 78 | 29 | 25 | 49 |
| 2. | 27* | 539902 | 4003 | NBS43K | 40 | 61 | 2 | 0 | 73 | 44 | 8 | 15 |
| 3. | 25 | 1809105 | 4009 | NBS43K | 34 | 42 | 1 | 0 | 88 | 50 | 7 | 12 |
| 4. | 25* | 107813 | 4005 | NBS43K | 36 | 52 | 2 | 0 | 100 | 50 | 7 | 18 |

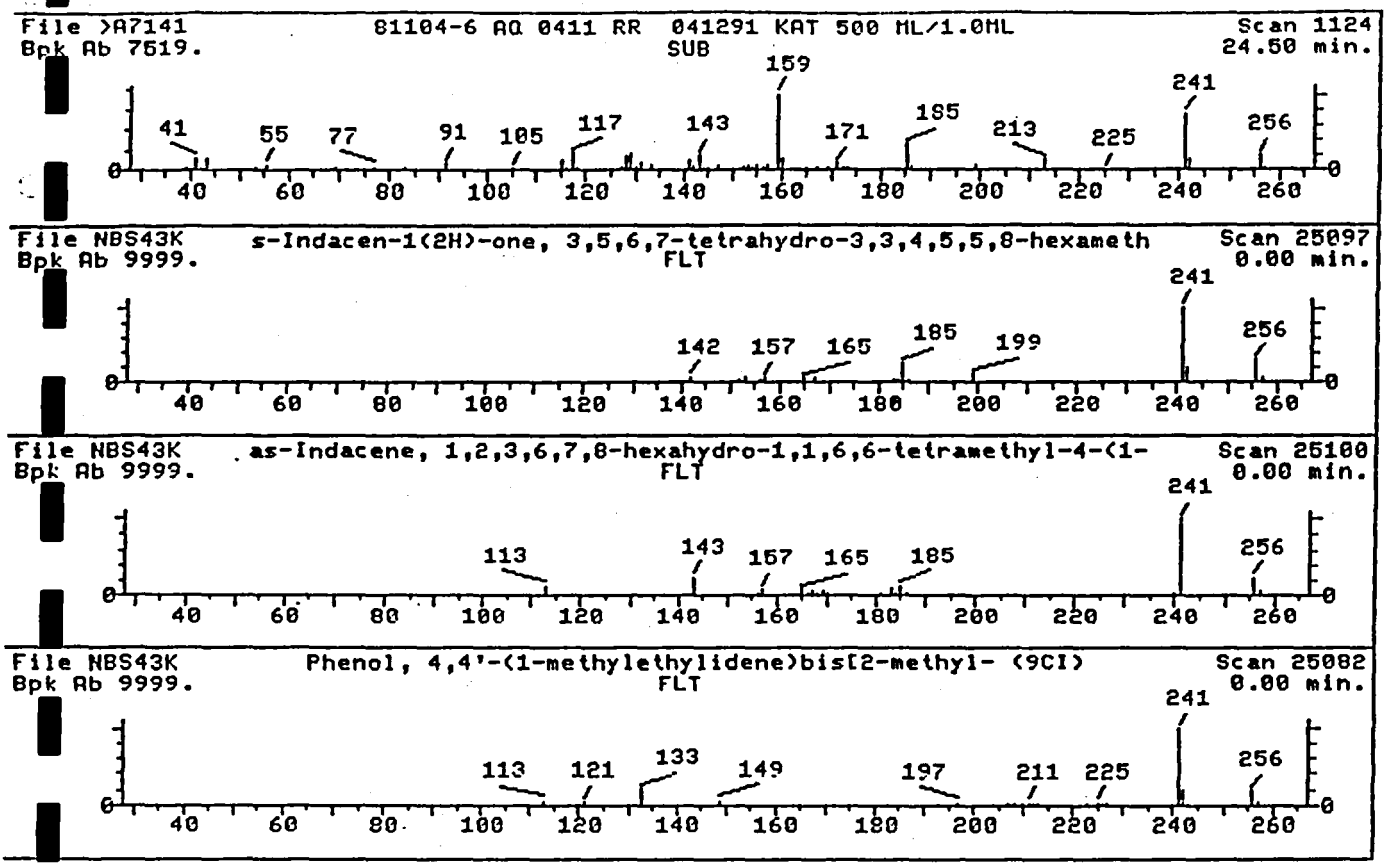



UNKNOWN #,19
AREA = 120873.0 TENTATIVE CONCENTRATION IS 14.00

1. Propanoic acid, 2-methyl-, 1-(1,1-dimethylethyl)-2-m 286 C16H3004
   ethyl-1,3-propanediy
2. Butyric acid, ester with p-hydroxybenzonitrile (8CI) 189 C11H11N02
3. 2,6-Octadiene-4,5-diol (8CI9CI) 142 C8H1402
4. Methylamine, N-(1-methylhexylidene)- (8CI) 127 C8H17N
5. Butyric acid, m-nitrophenyl ester (8CI) 209 C10H11N04
6. Butanoic acid, 2-propenyl ester (9CI) 128 C7H1202

Sample file: >A7141 Spectrum #: 840
Search speed: 1 Tilting option: N No. of ion ranges searched: 42

| | Prob. | CAS # | CON # | ROOT | K | DK | #FLG | TILT | % | CON | C_I | R_IV |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1. | 73 | 74381401 | 4107 | NBS43K | 92 | 15 | 1 | 0 | 90 | 21 | 32 | 61 |
| 2. | 54* | 29052106 | 4071 | NBS43K | 44 | 49 | 1 | 0 | 72 | 21 | 22 | 26 |
| 3. | 48* | 4486593 | 3996 | NBS43K | 39 | 40 | 2 | 0 | 100 | 21 | 17 | 19 |
| 4. | 47* | 22058715 | 3966 | NBS43K | 36 | 52 | 2 | 0 | 100 | 21 | 17 | 18 |
| 5. | 47* | 14617971 | 4085 | NBS43K | 38 | 55 | 2 | 0 | 70 | 21 | 17 | 18 |

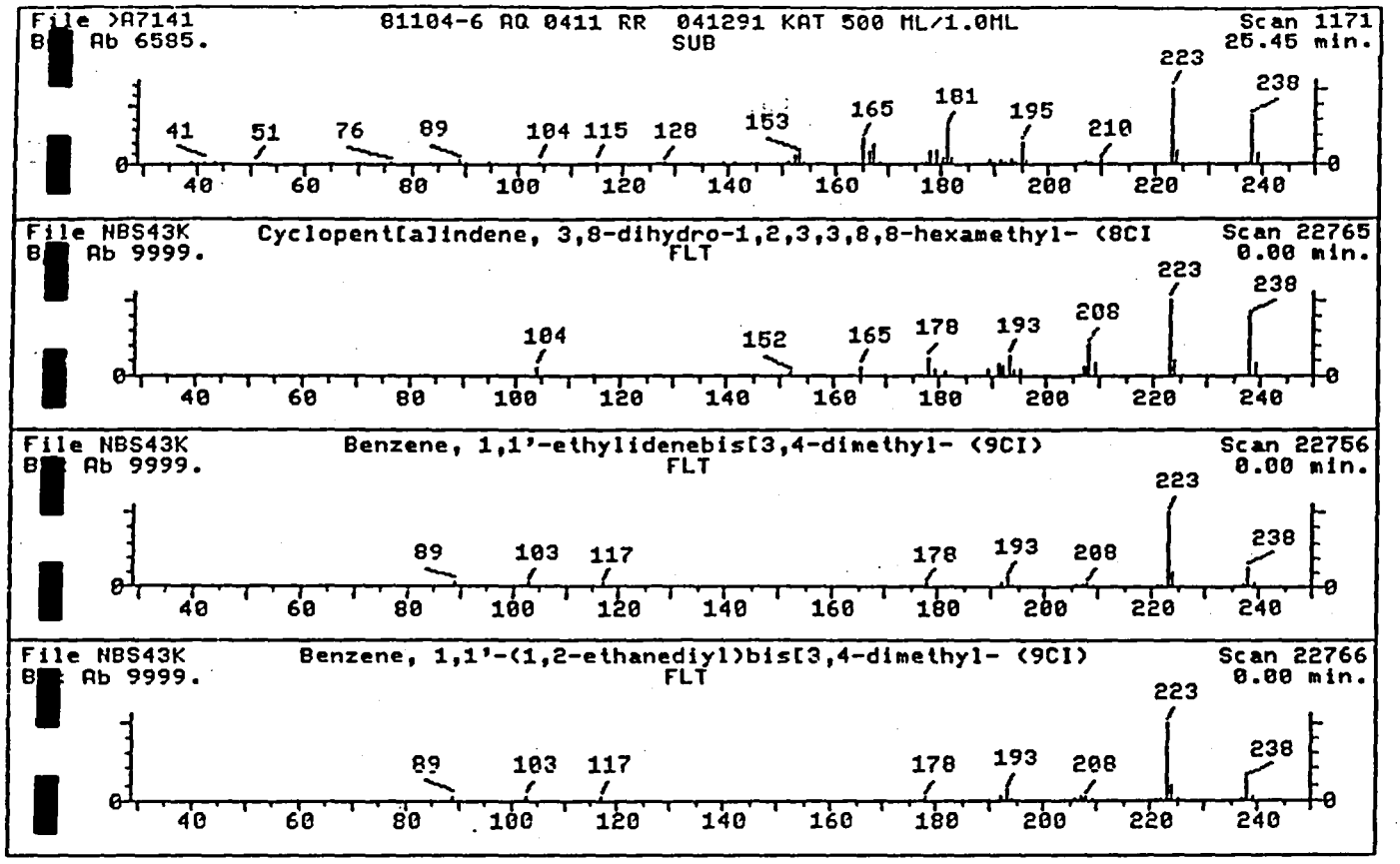



UNKNOWN #,20
AREA = 122162.0 TENTATIVE CONCENTRATION IS 18.00

1. s-Indacen-1(2H)-one, 3,5,6,7-tetrahydro-3,3,4,5,5,8-hexamethyl- (9CI) 256 C18H24O
2. as-Indacene, 1,2,3,6,7,8-hexahydro-1,1,6,6-tetramethyl-4-(1-methylethyl) 256 C19H28
3. Phenol, 4,4'-(1-methylethylidene)bis[2-methyl- (9CI) 256 C17H20O2
4. 1H-Benz[de]isoquinoline-1,3(2H)-dione, 5-methoxy-2-methyl- (9CI) 241 C14H11NO3
5. 1H-Benz[de]isoquinoline-1,3(2H)-dione, 6-methoxy-2-methyl- (9CI) 241 C14H11NO3
6. 1H-Indole, 5,6,7-trimethyl- (9CI) 159 C11H13N

Sample file: >A7141 Spectrum #: 1124
Search speed: 1 Tilting option: N No. of ion ranges searched: 42

| | Prob. | CAS # | CON # | ROOT | K | DK | #FLG | TILT | % | CON | C_I | R_IV |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1. | 85* | 38754948 | 29340 | NBS43K | 85 | 47 | 0 | 0 | 53 | 48 | 40 | 95 |
| 2. | 30* | 17465473 | 29342 | NBS43K | 50 | 81 | 2 | 0 | 74 | 48 | 10 | 23 |
| 3. | 20* | 79970 | 29338 | NBS43K | 35 | 85 | 2 | 0 | 74 | 53 | 5 | 14 |
| 4. | 15* | 55133829 | 29324 | NBS43K | 34 | 105 | 3 | 0 | 74 | 59 | 3 | 13 |
| 5. | 15* | 3271054 | 29323 | NBS43K | 22 | 115 | 3 | 0 | 74 | 59 | 3 | 12 |
| 6. | 11* | 54340997 | 18947 | NBS43K | 35 | 74 | 2 | 0 | 107 | 64 | 2 | 14 |

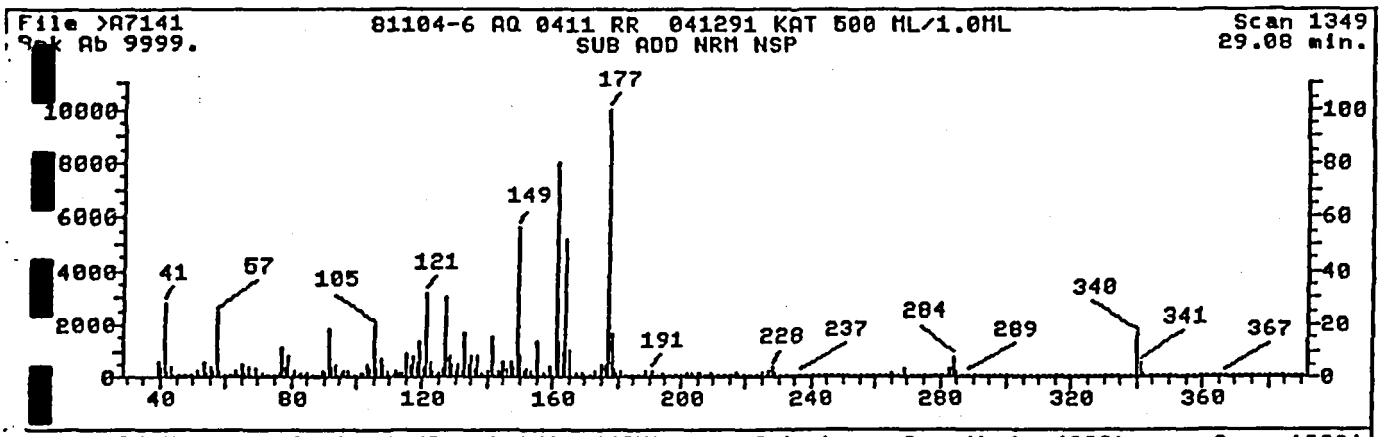


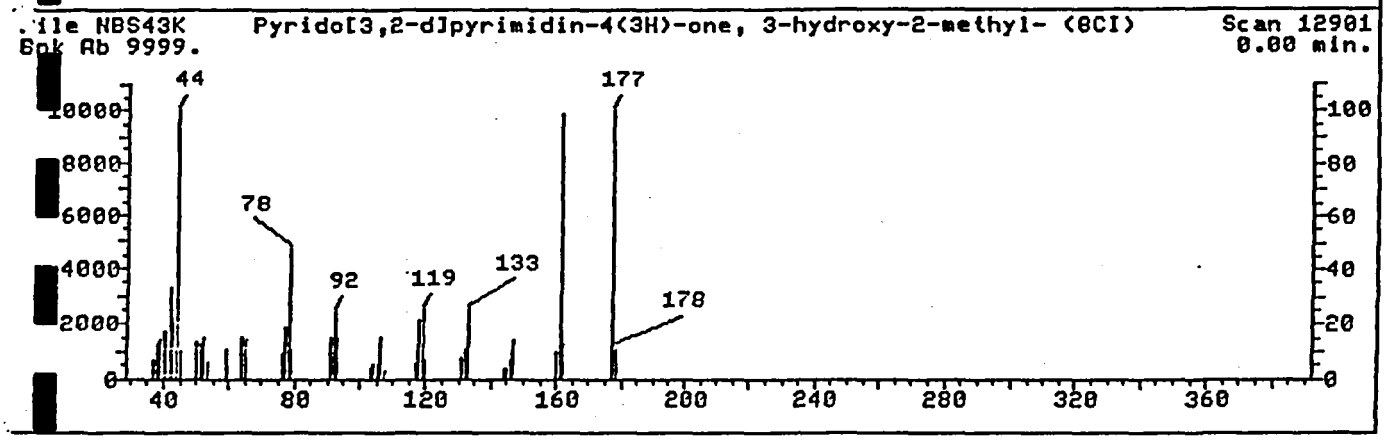

UNKNOWN #,21
REA = 98864.00 TENTATIVE CONCENTRATION IS 27.00

1. Cyclopent[a]indene, 3,8-dihydro-1,2,3,3,8,8-hexamethyl- (8CI) 238 C18H22
2. Benzene, 1,1'-ethylidenebis[3,4-dimethyl- (9CI) 238 C18H22
3. Benzene, 1,1'-(1,2-ethanediyl)bis[3,4-dimethyl- (9CI 238 C18H22
4. 9,10-Anthracenedione, 2-amino- (9CI) 223 C14H9NO2
5. Benzene, 1,1'-ethylidenebis[4-ethyl- (9CI) 238 C18H22
6. 4(1H)-Quinazolinone, 2,3-dihydro-2-methyl-1-phenyl- (9CI) 238 C15H14N2O

Sample file: >A7141 Spectrum #: 1171
earch speed: 1 Tilting option: N No. of ion ranges searched: 43

| | Prob. | CAS # | CON # | ROOT | K | DK | #FLG | TILT | % | CON | C_I | R_IV |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1. | 33* | 17384724 | 29113 | NBS43K | 47 | 112 | 2 | 0 | 77 | 37 | 10 | 19 |
| 2. | 28* | 1742149 | 27764 | NBS43K | 57 | 67 | 2 | 0 | 99 | 54 | 8 | 34 |
| 3. | 28* | 34101865 | 27767 | NBS43K | 57 | 67 | 2 | 0 | 99 | 54 | 8 | 34 |
| 4. | 25* | 117793 | 27739 | NBS43K | 45 | 99 | 3 | 0 | 100 | 49 | 7 | 13 |
| 5. | 25* | 10224916 | 27766 | NBS43K | 38 | 101 | 2 | 0 | 81 | 49 | 7 | 14 |
| 6. | 25* | 36384017 | 27762 | NBS43K | 31 | 100 | 3 | 0 | 100 | 45 | 8 | 13 |



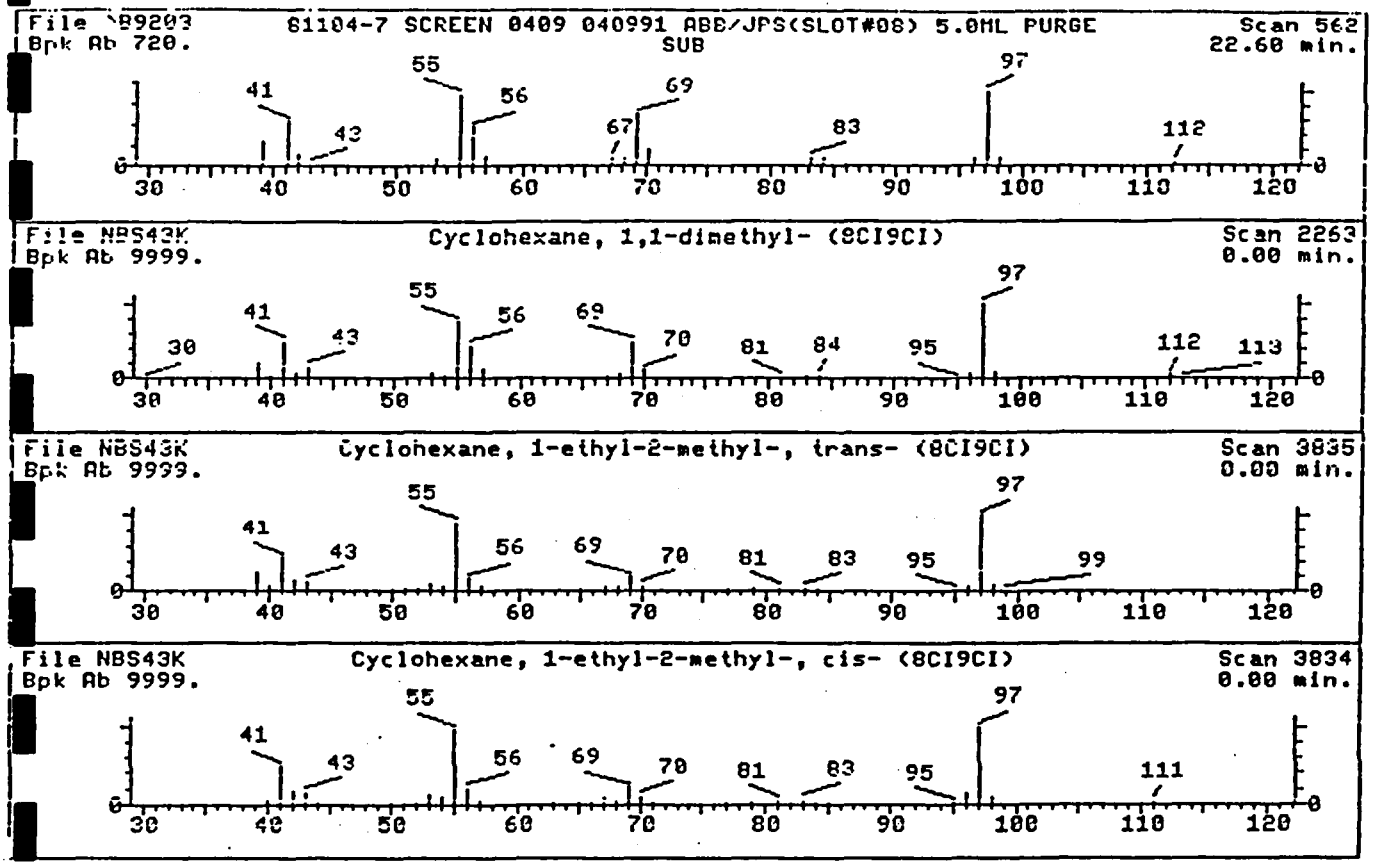




UNKNOWN #,22
AREA = 97040.00 TENTATIVE CONCENTRATION IS 26.00

1. Pyrido[3,2-d]pyrimidin-4(3H)-one, 3-hydroxy-2-methyl 177 C8H7N3O2
- (8CI)

Sample file: >A7141 Spectrum #: 1349
Search speed: 1 Tilting option: N No. of ion ranges searched: 43

| | Prob. | CAS # | CON # | ROOT | K | DK | #FLG | TILT | % | CON | C_I | R_IV |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1. | 27* | 3303239 | 21673 | NBS43K | 34 | 103 | 3 | 0 | 80 | 40 | 10 | 13 |

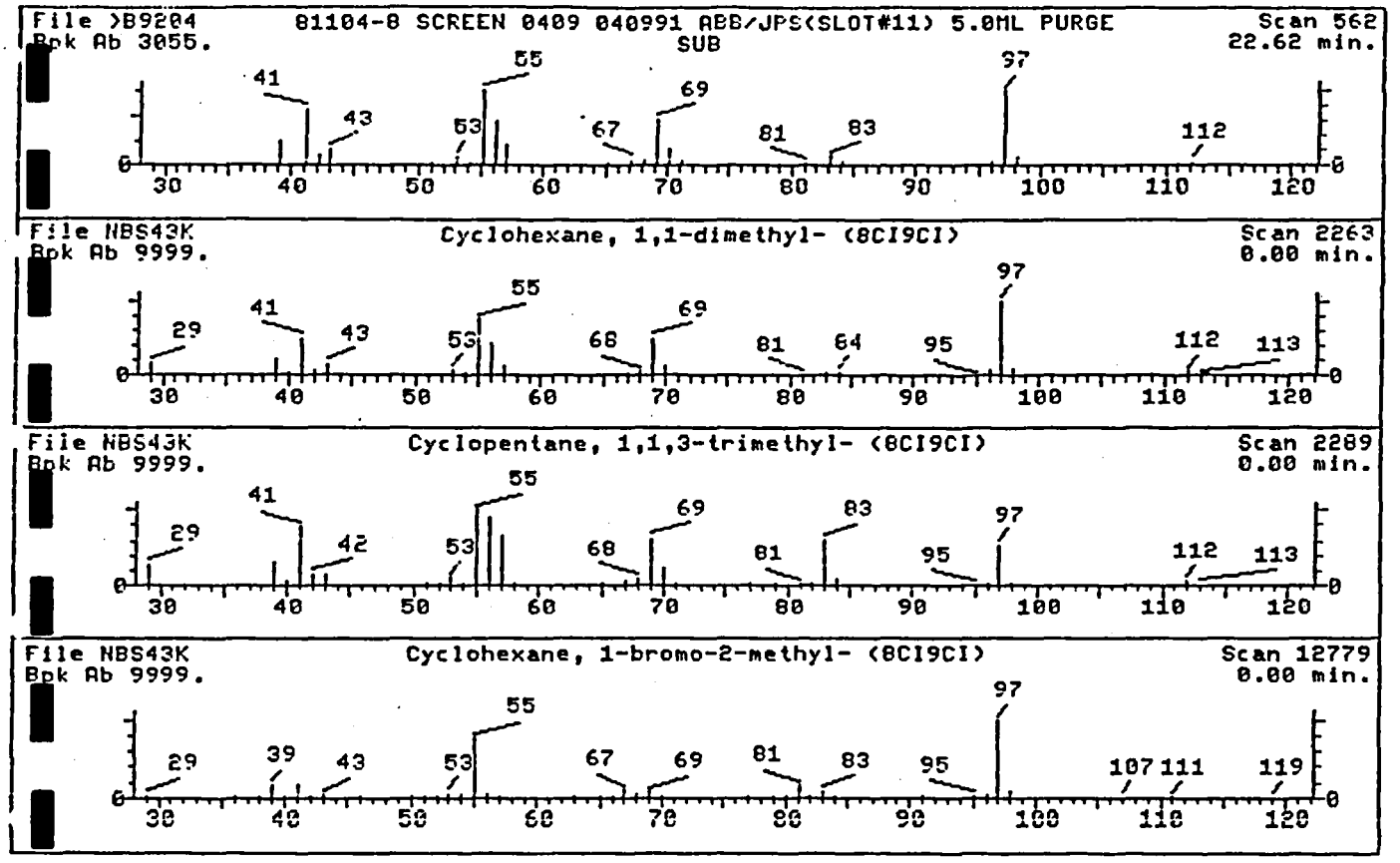



UNKNOWN #,1
AREA = 74791.00 TENTATIVE CONCENTRATION IS 14.00

| | | | |
|---|---|---|---|
| 1. | Cyclohexane, 1,1-dimethyl- (8CI9CI) | 112 | C8H16 |
| 2. | Cyclohexane, 1-ethyl-2-methyl-, trans- (8CI9CI) | 126 | C9H18 |
| 3. | Cyclohexane, 1-ethyl-2-methyl-, cis- (8CI9CI) | 126 | C9H18 |
| 4. | 1H-1,2,4-Triazole, 3-ethyl- (9CI) | 97 | C4H7N3 |
| 5. | 1H-1,2,4-Triazole, 1-ethyl- (8CI9CI) | 97 | C4H7N3 |
| 6. | 3-Cyclohexen-1-ol, 3-methyl- (9CI) | 112 | C7H12O |

Sample file: >B9203 Spectrum #: 562
Search speed: 1 Tilting option: N No. of ion ranges searched: 43

| | Prob. | CAS # | CON # | ROOT | K | DK | #FLG | TILT | % | CON | C_I | R_IV |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1. | 87* | 590669 | 8349 | NBS43K | 72 | 26 | 0 | 0 | 100 | 15 | 55 | 89 |
| 2. | 32 | 4923788 | 8377 | NBS43K | 45 | 43 | 2 | 0 | 100 | 32 | 12 | 15 |
| 3. | 31 | 4923777 | 8376 | NBS43K | 47 | 45 | 2 | 0 | 84 | 32 | 12 | 14 |
| 4. | 30* | 7411167 | 8206 | NBS43K | 26 | 59 | 3 | 0 | 184 | 35 | 12 | 13 |
| 5. | 27* | 16778704 | 8319 | NBS43K | 29 | 67 | 3 | 0 | 100 | 39 | 10 | 13 |
| 6. | 27* | 53783918 | 8345 | NBS43K | 25 | 69 | 3 | 0 | 100 | 38 | 10 | 13 |

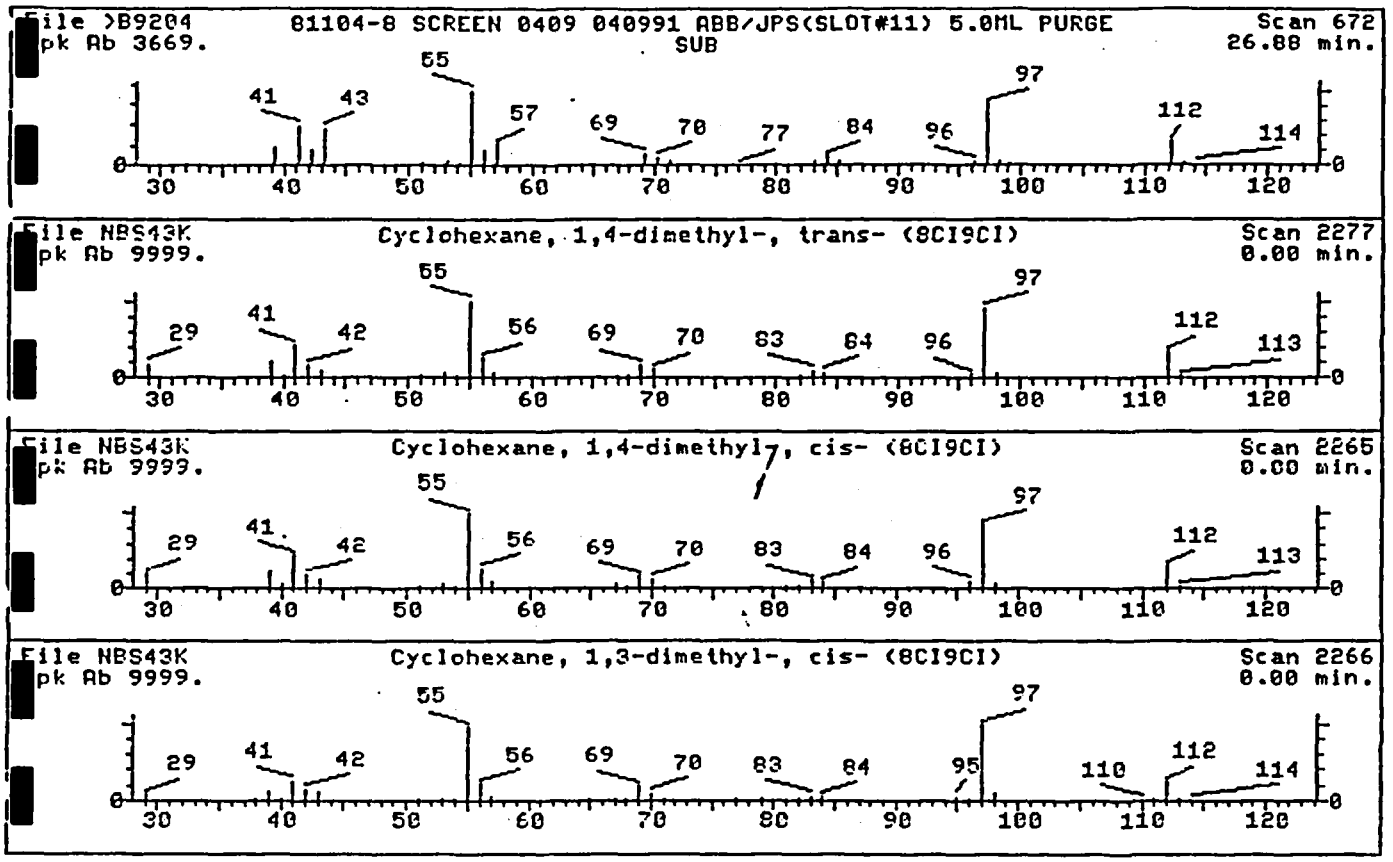



UNKNOWN #,1
AREA = 317344.0 TENTATIVE CONCENTRATION IS 22.00

1. Cyclohexane, 1,1-dimethyl- (8CI9CI) 112 C8H16
2. Cyclopentane, 1,1,3-trimethyl- (8CI9CI) 112 C8H16
3. Cyclohexane, 1-bromo-2-methyl- (8CI9CI) 176 C7H13Br
4. Cyclohexane, 1-ethyl-2-methyl-, trans- (8CI9CI) 126 C9H18
5. 1-Hexene, 3-methyl- (8CI9CI) 98 C7H14
6. 1H-1,2,4-Triazole, 1-ethyl- (8CI9CI) 97 C4H7N3

Sample file: >B9204 Spectrum #: 562
Search speed: 1 Tilting option: N No. of ion ranges searched: 42

| | Prob. | CAS # | CON # | ROOT | K | DK | #FLG | TILT | % | CUN | C_I | R_IV |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1. | 94* | 590669 | 8349 | NBS43K | 76 | 22 | 0 | 0 | 91 | 10 | 68 | 93 |
| 2. | 37* | 4516692 | 8356 | NBS43K | 53 | 57 | 2 | 0 | 64 | 41 | 12 | 28 |
| 3. | 29 | 6294399 | 8482 | NBS43K | 43 | 48 | 2 | 0 | 99 | 35 | 12 | 12 |
| 4. | 29 | 4923788 | 8377 | NBS43K | 45 | 43 | 2 | 0 | 97 | 36 | 10 | 15 |
| 5. | 28* | 3404613 | 3563 | NBS43K | 55 | 52 | 2 | 0 | 58 | 54 | 8 | 32 |
| 6. | 27* | 16778704 | 8319 | NBS43K | 33 | 63 | 3 | 0 | 95 | 37 | 10 | 13 |

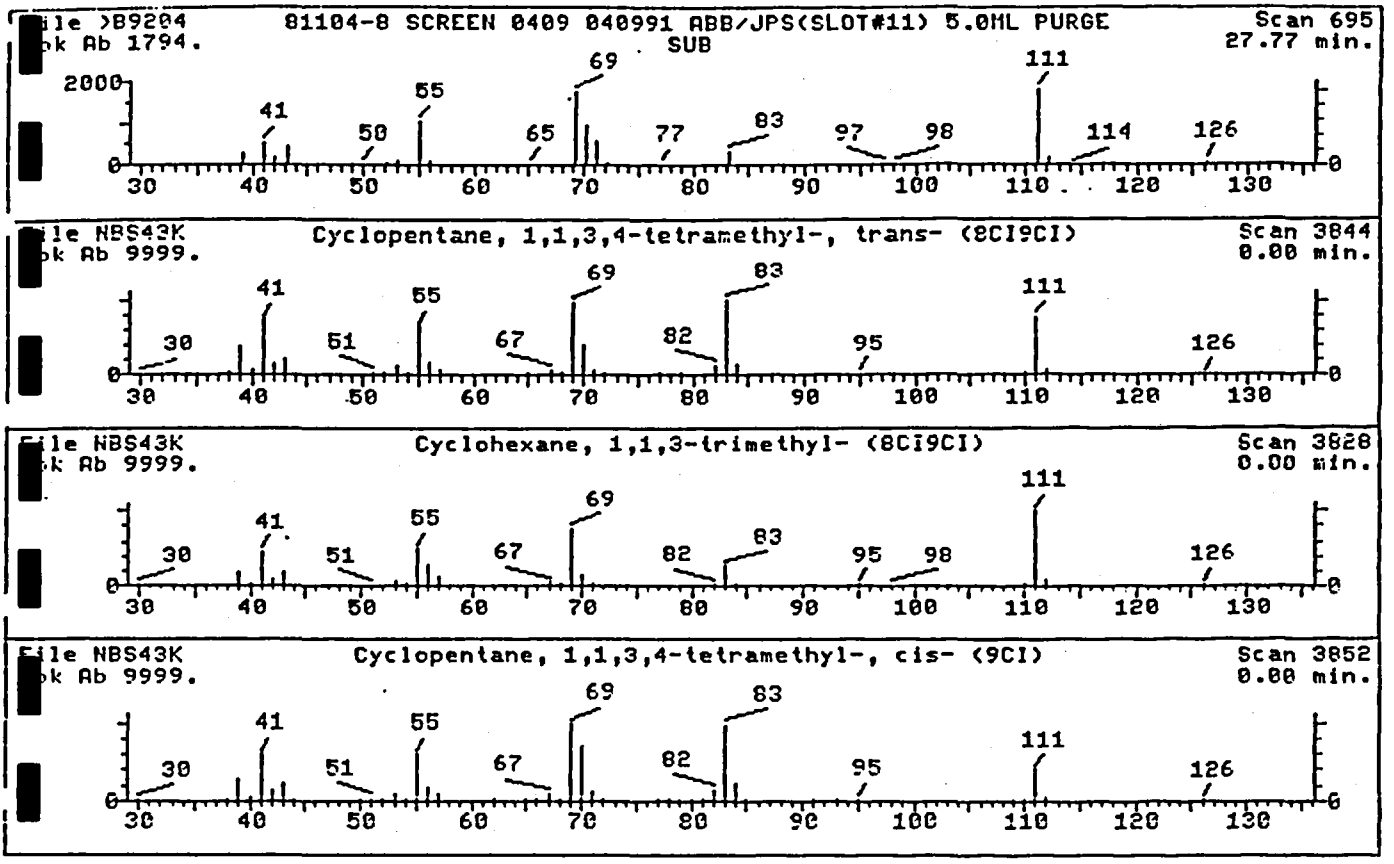



UNKNOWN #,3
AREA = 426462.0 TENTATIVE CONCENTRATION IS 19.00

1. Cyclohexane, 1,4-dimethyl-, trans- (8CI9CI) 112 C8H16
2. Cyclohexane, 1,4-dimethyl-, cis- (8CI9CI) 112 C8H16
3. Cyclohexane, 1,3-dimethyl-, cis- (8CI9CI) 112 C8H16
4. Cyclohexane, 1,3-dimethyl-, trans- (8CI9CI) 112 C8H16
5. 1H-Pyrazole, 4,5-dihydro-3,4,5-trimethyl- (9CI) 112 C6H12N2
6. Cyclohexane, 1,2-dimethyl-, cis- (8CI9CI) 112 C8H16

Sample file: >B9204 Spectrum #: 672
Search speed: 1 Tilting option: N No. of ion ranges searched: 42

| | Prob. | CAS # | CON # | ROOT | K | DK | #FLG | TILT | % | CON | C_I | R_IV |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1. | 84* | 2207047 | 8354 | NBS43K | 69 | 33 | 1 | 0 | 71 | 7 | 55 | 67 |
| 2. | 83* | 624293 | 8351 | NBS43K | 71 | 31 | 2 | 0 | 82 | 7 | 54 | 52 |
| 3. | 79* | 638040 | 8352 | NBS43K | 52 | 42 | 1 | 0 | 81 | 10 | 48 | 36 |
| 4. | 79* | 2207036 | 8353 | NBS43K | 50 | 49 | 1 | 0 | 60 | 7 | 48 | 32 |
| 5. | 67* | 22591953 | 8330 | NBS43K | 47 | 50 | 2 | 0 | 63 | 15 | 34 | 23 |
| 6. | 60* | 2207014 | 10990 | NBS43K | 48 | 61 | 3 | 0 | 100 | 12 | 30 | 13 |



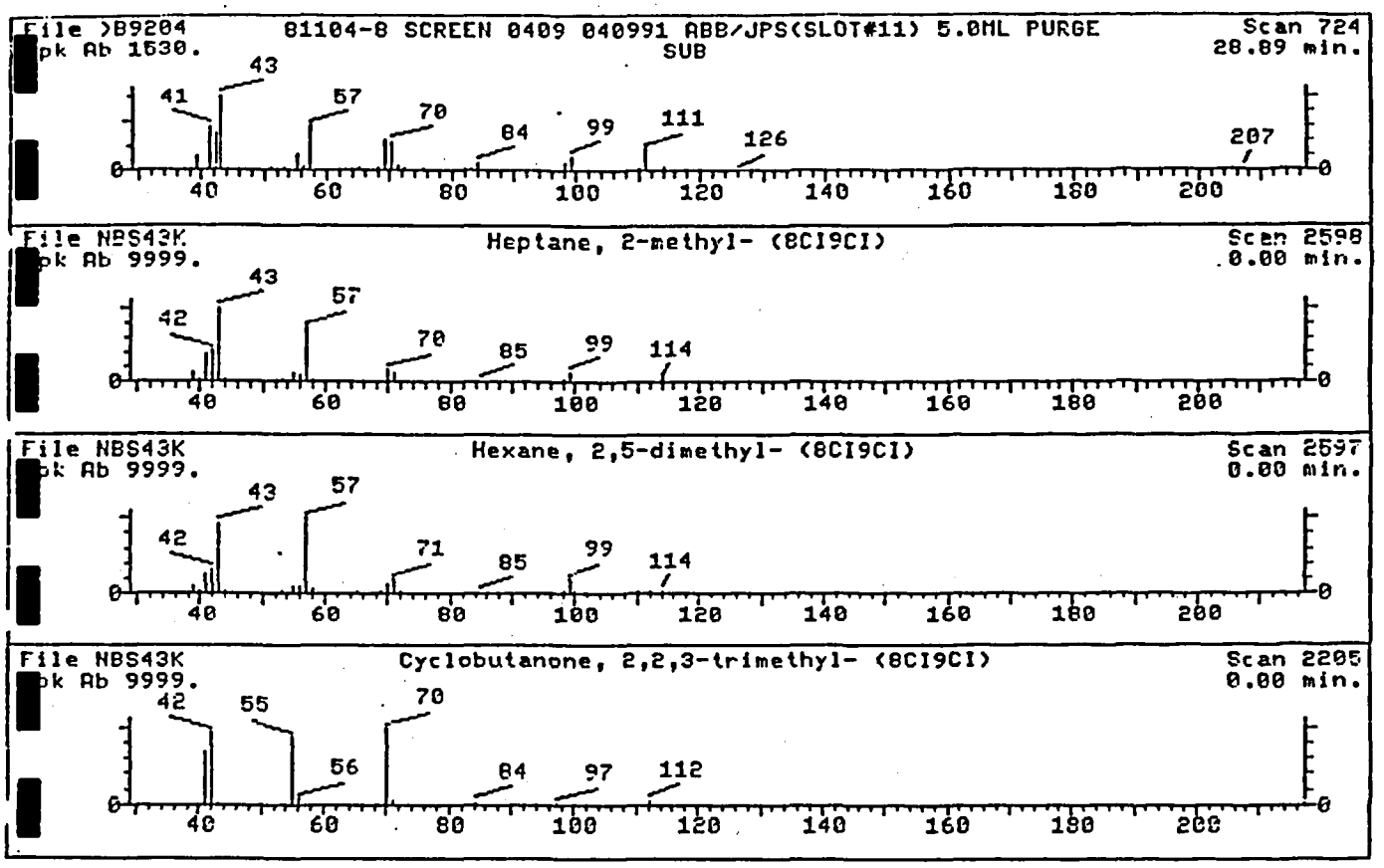

UNKNOWN #,4

AREA = 366543.0 TENTATIVE CONCENTRATION IS 17.00

1. Cyclopentane, 1,1,3,4-tetramethyl-, trans- (8CI9CI) 126 C9H18
2. Cyclohexane, 1,1,3-trimethyl- (8CI9CI) 126 C9H18
3. Cyclopentane, 1,1,3,4-tetramethyl-, cis- (9CI) 126 C9H18
4. 1-Hexene, 3,3,5-trimethyl- (9CI) 126 C9H18
5. 4(1H)-Pyrimidinone, 2-amino- (9CI) 111 C4H5N3O
6. 2(1H)-Pyrimidinone, 4-amino- (9CI) 111 C4H5N3O

Sample file: >B9204 Spectrum #: 695
Search speed: 1 Tilting option: N No. of ion ranges searched: 43

| | Prob. | CAS # | CON # | ROOT | K | DK | #FLG | TILT | % | CON | C_I | R_IV |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1. | 52* | 20309777 | 10809 | NBS43K | 46 | 65 | 3 | 0 | 89 | 16 | 20 | 13 |
| 2. | 42* | 3073663 | 10806 | NBS43K | 41 | 57 | 3 | 0 | 100 | 22 | 17 | 13 |
| 3. | 27* | 53907601 | 10810 | NBS43K | 29 | 79 | 3 | 0 | 73 | 36 | 10 | 13 |
| 4. | 25* | 13427435 | 3654 | NBS43K | 40 | 53 | 3 | 0 | 97 | 46 | 7 | 14 |
| 5. | 24* | 108532 | 10776 | NBS43K | 23 | 83 | 3 | 0 | 99 | 42 | 8 | 12 |
| 6. | 20* | 71307 | 10775 | NBS43K | 24 | 62 | 3 | 0 | 100 | 51 | 5 | 12 |

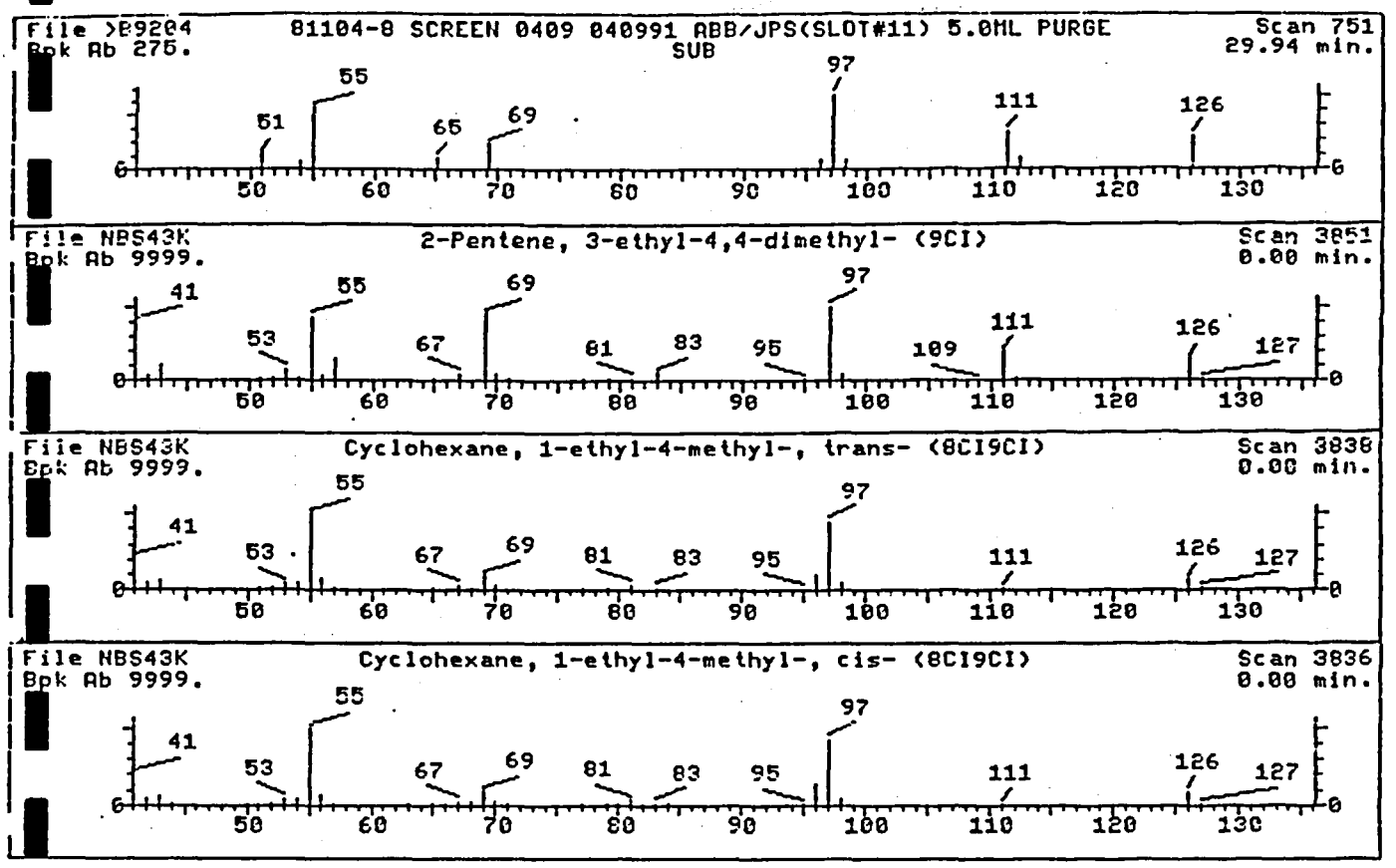



UNKNOWN #,5
REA = 259964.0 TENTATIVE CONCENTRATION IS 12.00

| | | | |
|---|---|---|---|
| 1. | Heptane, 2-methyl- (8CI9CI) | 114 | C8H18 |
| 2. | Hexane, 2,5-dimethyl- (8CI9CI) | 114 | C8H18 |
| 3. | Cyclobutanone, 2,2,3-trimethyl- (8CI9CI) | 112 | C7H12O |
| 4. | Azetidine, 1,1'-methylenebis- (9CI) | 126 | C7H14N2 |
| 5. | Cyclopropane, butyl- (9CI) | 98 | C7H14 |
| 6. | Acetaldehyde, ethylidenehydrazone (9CI) | 84 | C4H8N2 |

Sample file: >B9204 Spectrum #: 724
Search speed: 1 Tilting option: N No. of ion ranges searched: 45

| | Prob. | CAS # | CON # | ROOT | K | DK | #FLG | TILT | % | CON | C_I | R_IV |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1. | 27* | 592278 | 8887 | NBS43K | 33 | 60 | 2 | 0 | 80 | 44 | 8 | 15 |
| 2. | 27* | 592132 | 8886 | NBS43K | 29 | 61 | 3 | 0 | 107 | 38 | 10 | 13 |
| 3. | 25* | 1449496 | 3588 | NBS43K | 20 | 30 | 2 | 0 | 38 | 44 | 8 | 13 |
| 4. | 25* | 38455242 | 3641 | NBS43K | 23 | 41 | 2 | 0 | 38 | 46 | 7 | 13 |
| 5. | 25* | 930574 | 3557 | NBS43K | 28 | 80 | 3 | 0 | 50 | 48 | 7 | 13 |
| 6. | 20* | 592563 | 5776 | NBS43K | 27 | 43 | 1 | 0 | 31 | 55 | 5 | 15 |

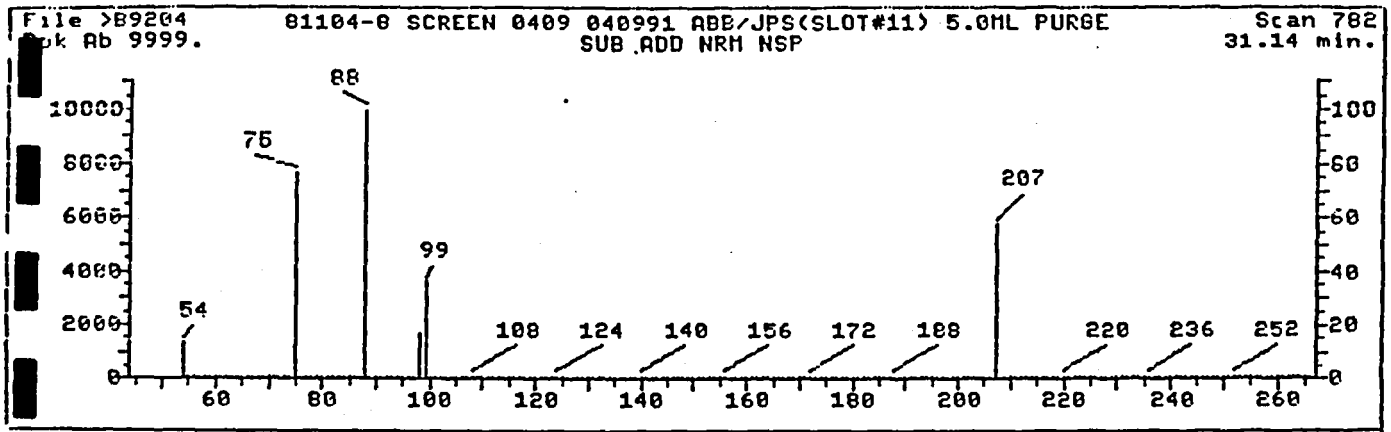


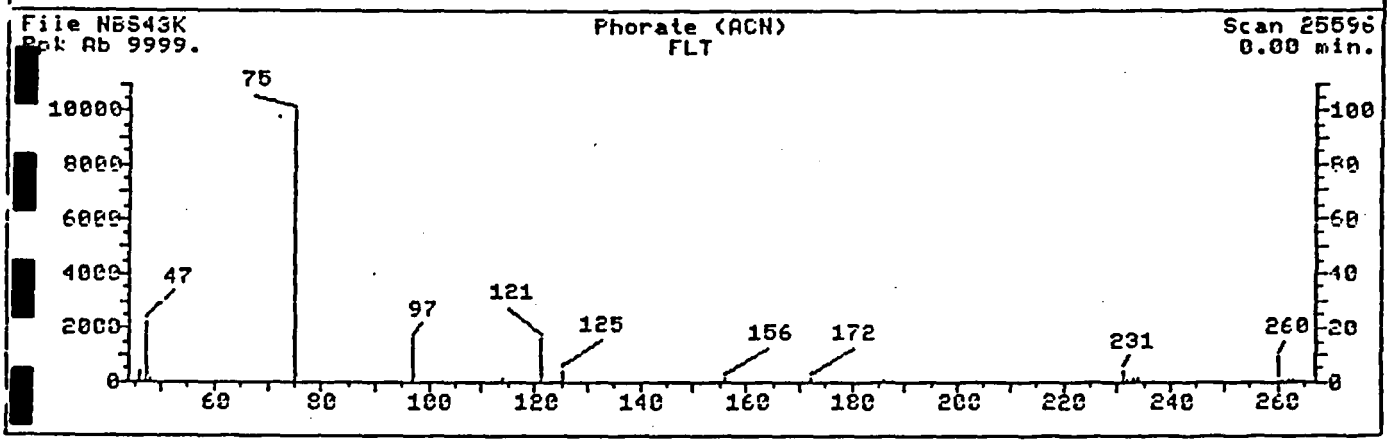

UNKNOWN #,6
AREA = 155107.0 TENTATIVE CONCENTRATION IS 7.00

1. 2-Pentene, 3-ethyl-4,4-dimethyl- (9CI) 126 C9H18
2. Cyclohexane, 1-ethyl-4-methyl-, trans- (8CI9CI) 126 C9H18
3. Cyclohexane, 1-ethyl-4-methyl-, cis- (8CI9CI) 126 C9H18
4. Cyclohexane, 1-ethyl-2-methyl-, cis- (8CI9CI) 126 C9H18
5. 2-Hexene, 3,4,4-trimethyl- (9CI) 126 C9H18
6. 3-Hepten-2-one, 3-methyl- (9CI) 126 C8H14O

Sample file: >B9204 Spectrum #: 751
Search speed: 1 Tilting option: N No. of ion ranges searched: 55

| | Prob. | CAS # | CON # | ROOT | K | DK | #FLG | TILT | % | CON | C_I | R_IV |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1. | 42* | 53907598 | 8381 | NBS43K | 32 | 77 | 3 | 0 | 96 | 24 | 17 | 13 |
| 2. | 30* | 6236880 | 8380 | NBS43K | 27 | 67 | 3 | 0 | 82 | 34 | 12 | 13 |
| 3. | 30* | 4926787 | 8378 | NBS43K | 27 | 69 | 3 | 0 | 82 | 34 | 12 | 13 |
| 4. | 27* | 4923777 | 8376 | NBS43K | 30 | 62 | 3 | 0 | 84 | 39 | 10 | 13 |
| 5. | 26* | 53941198 | 8382 | NBS43K | 22 | 71 | 3 | 0 | 100 | 39 | 10 | 12 |
| 6. | 25* | 39899086 | 13466 | NBS43K | 27 | 70 | 3 | 0 | 58 | 44 | 8 | 13 |



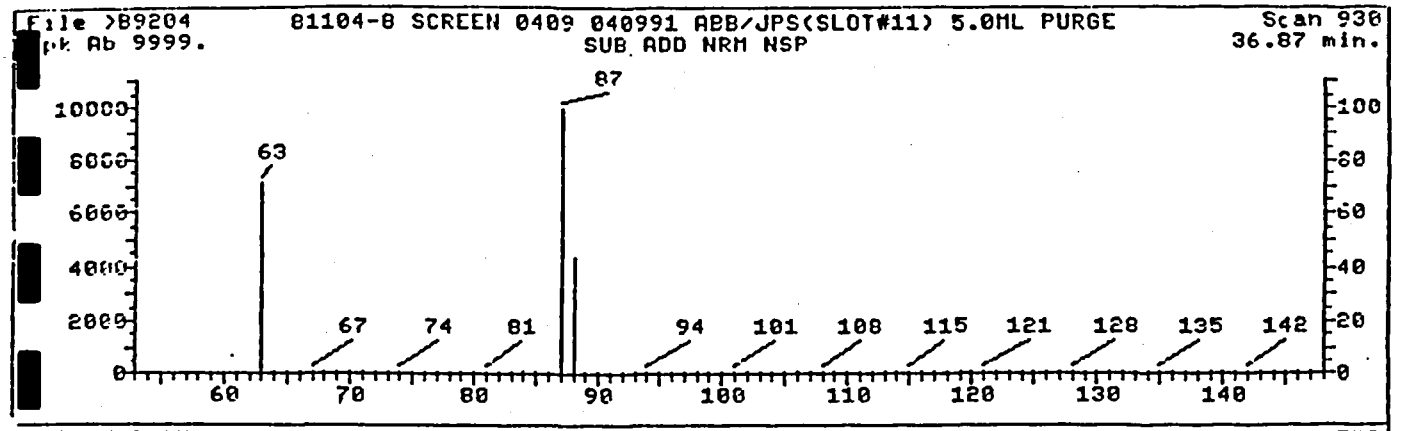



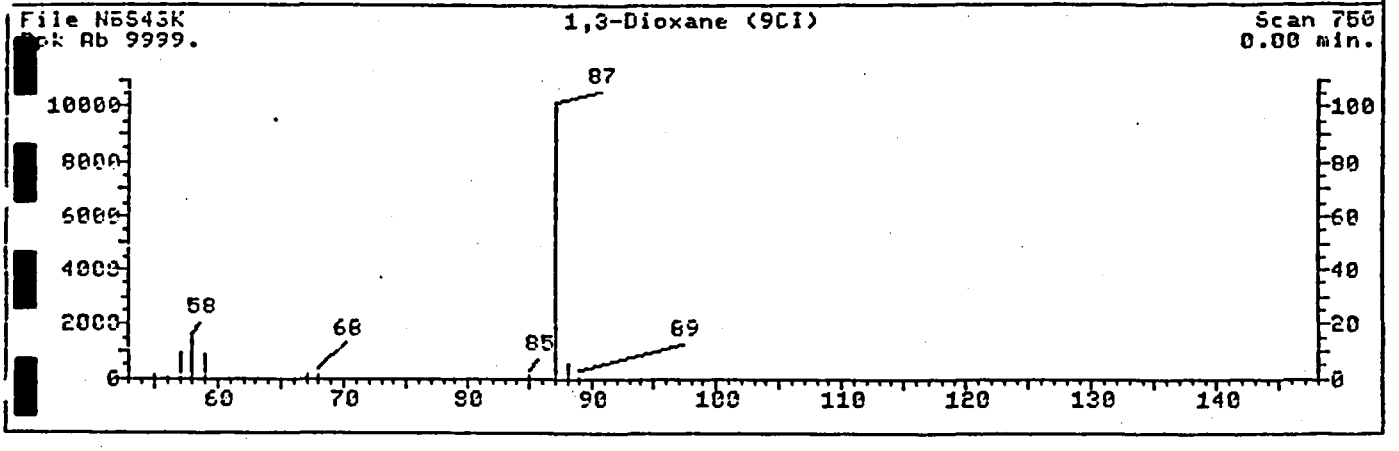

UNKNOWN #,7
AREA = 159501.0 TENTATIVE CONCENTRATION IS 7.00

1. Phorate (ACN) 260 C7H17O2PS3

Sample file: >B9204 Spectrum #: 782
Search speed: 1 Tilting option: N No. of ion ranges searched: 58

| | Prob. | CAS # | CON # | ROOT | K | DK | #FLG | TILT | % | CON | C_I | R_IV |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1. | 11 | 298022 | 4690 | NBS43K | 67 | 67 | 2 | 0 | 77 | 63 | 2 | 14 |



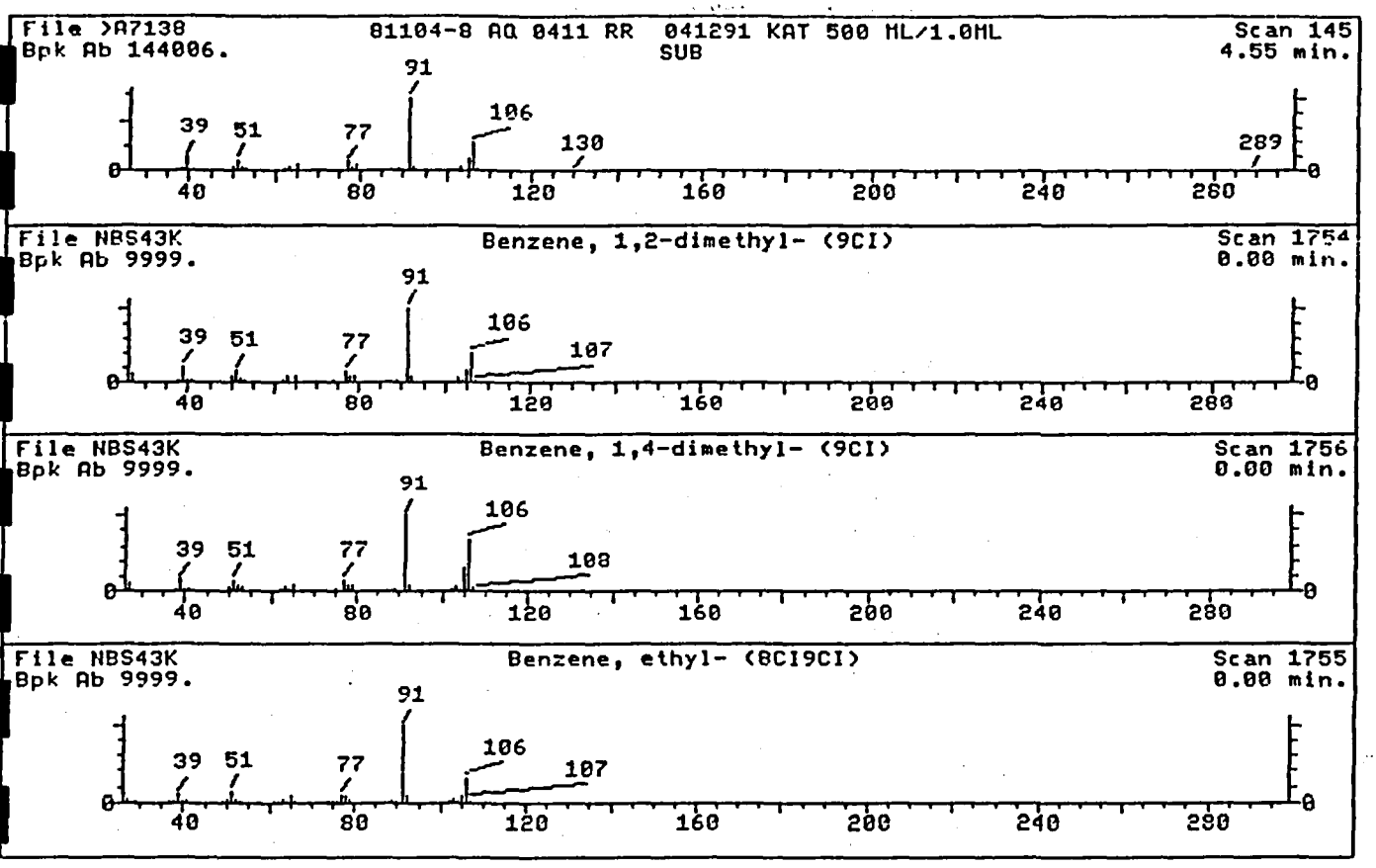




UNKNOWN #,8
AREA = 270455.0 TENTATIVE CONCENTRATION IS 12.00

1. 1,3-Dioxane (9CI) 88 C4H8O2

Sample file: >B9204 Spectrum #: 930
Search speed: 1 Tilting option: N No. of ion ranges searched: 67

| | Prob. | CAS # | CON # | ROOT | K | DK | #FLG | TILT | % | CUN | C_I | R_IV |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1. | 20* | 505226 | 6680 | NBS43K | 21 | 61 | 0 | 0 | 90 | 52 | 5 | 15 |

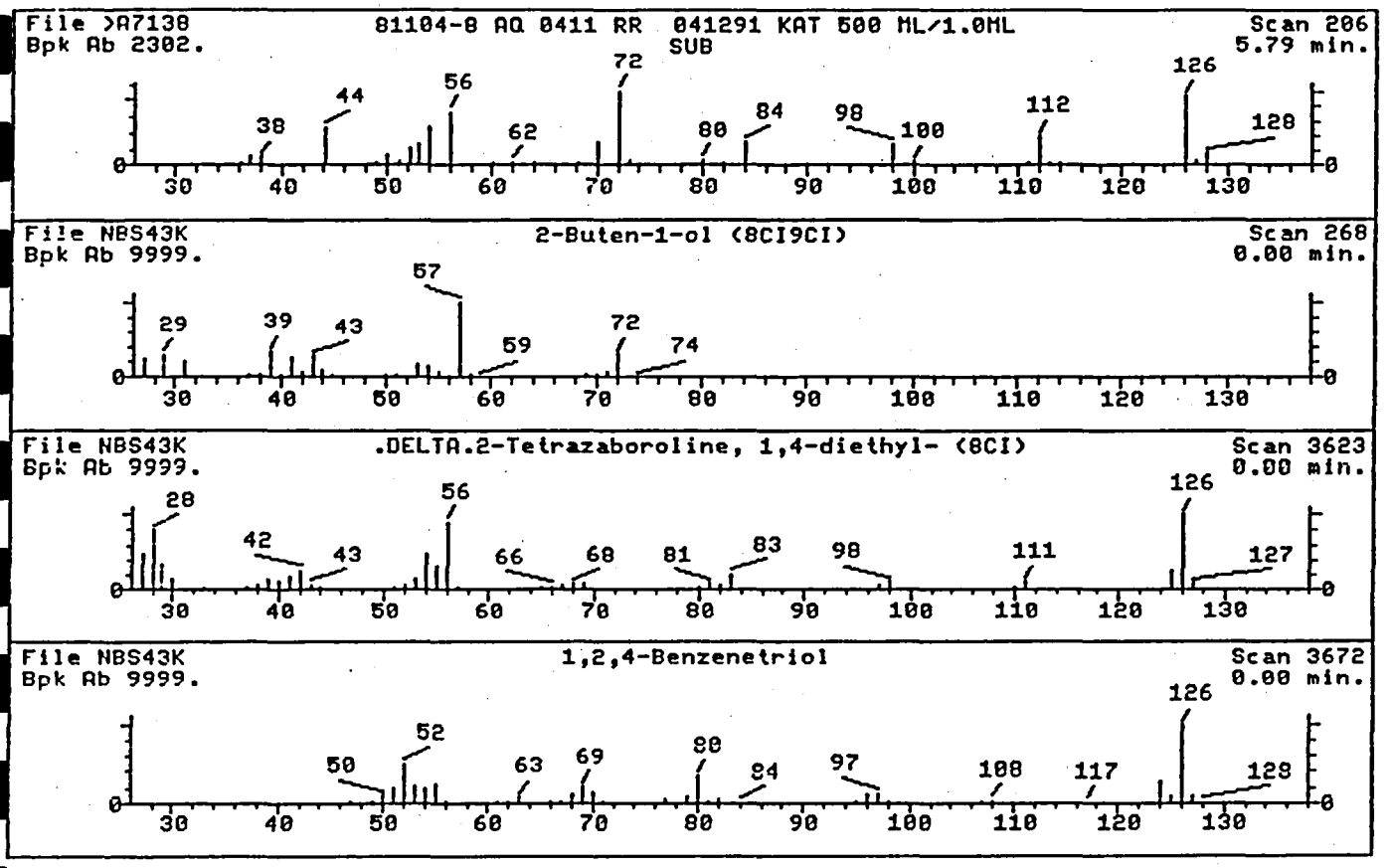



UNKNOWN #,1
AREA = 1656611. TENTATIVE CONCENTRATION IS 270.00

| | | | |
|---|---|---|---|
| 1. | Benzene, 1,2-dimethyl- (9CI) | 106 | C8H10 |
| 2. | Benzene, 1,4-dimethyl- (9CI) | 106 | C8H10 |
| 3. | Benzene, ethyl- (8CI9CI) | 106 | C8H10 |
| 4. | Benzene, 1,3-dimethyl- (9CI) | 106 | C8H10 |
| 5. | Cyclopentene, 1-ethenyl-3-methylene- (9CI) | 106 | C8H10 |
| 6. | 3,5-Heptadiyn-2-one (8CI9CI) | 106 | C7H6O |

Sample file: >A7138 Spectrum #: 145
Search speed: 1 Tilting option: N No. of ion ranges searched: 40

| | Prob. | CAS # | CON # | ROOT | K | DK | #FLG | TILT | % | CON | C_I | R_IV |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1. | 94* | 95476 | 10058 | NBS43K | 79 | 13 | 1 | 0 | 89 | 6 | 68 | 93 |
| 2. | 87* | 106423 | 10060 | NBS43K | 70 | 23 | 0 | 0 | 59 | 31 | 40 | 89 |
| 3. | 84* | 100414 | 10059 | NBS43K | 58 | 26 | 1 | 0 | 90 | 7 | 55 | 60 |
| 4. | 76* | 108383 | 10061 | NBS43K | 64 | 28 | 0 | 0 | 61 | 31 | 32 | 77 |
| 5. | 47* | 61142072 | 10063 | NBS43K | 50 | 40 | 2 | 0 | 49 | 33 | 20 | 31 |

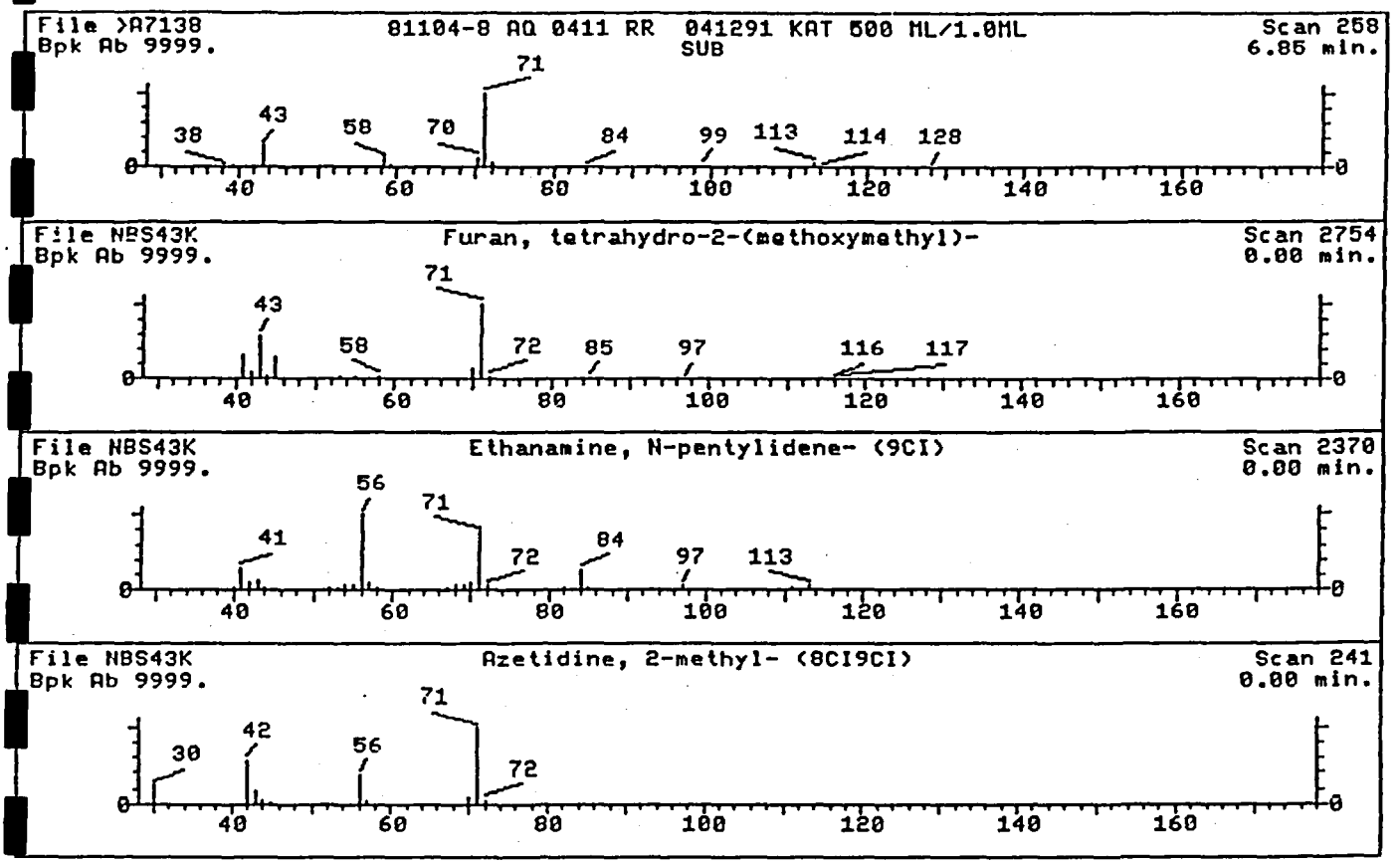



. UNKNOWN #,2
AREA = 75829.00 TENTATIVE CONCENTRATION IS 12.00

1. 2-Buten-1-ol (8CI9CI) 72 C4H8O
2. .DELTA.2-Tetrazaboroline, 1,4-diethyl- (8CI) 126 C4H11BN4
3. 1,2,4-Benzenetriol 126 C6H6O3
4. 1,3-Butadiene, 2-fluoro- (8CI9CI) 72 C4H5F

Sample file: >A7138 Spectrum #: 206
Search speed: 1 Tilting option: N No. of ion ranges searched: 40

| | Prob. | CAS # | CON # | ROOT | K | DK | #FLG | TILT | % | CON | C_I | R_IV |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1. | 15* | 6117915 | 4133 | NBS43K | 30 | 60 | 3 | 0 | 323 | 56 | 3 | 13 |
| 2. | 15* | 19258823 | 13378 | NBS43K | 33 | 85 | 3 | 0 | 80 | 59 | 3 | 13 |
| 3. | 11* | 533733 | 13407 | NBS43K | 28 | 83 | 3 | 0 | 93 | 62 | 2 | 13 |
| 4. | 11* | 381613 | 4118 | NBS43K | 30 | 85 | 3 | 0 | 100 | 63 | 2 | 13 |

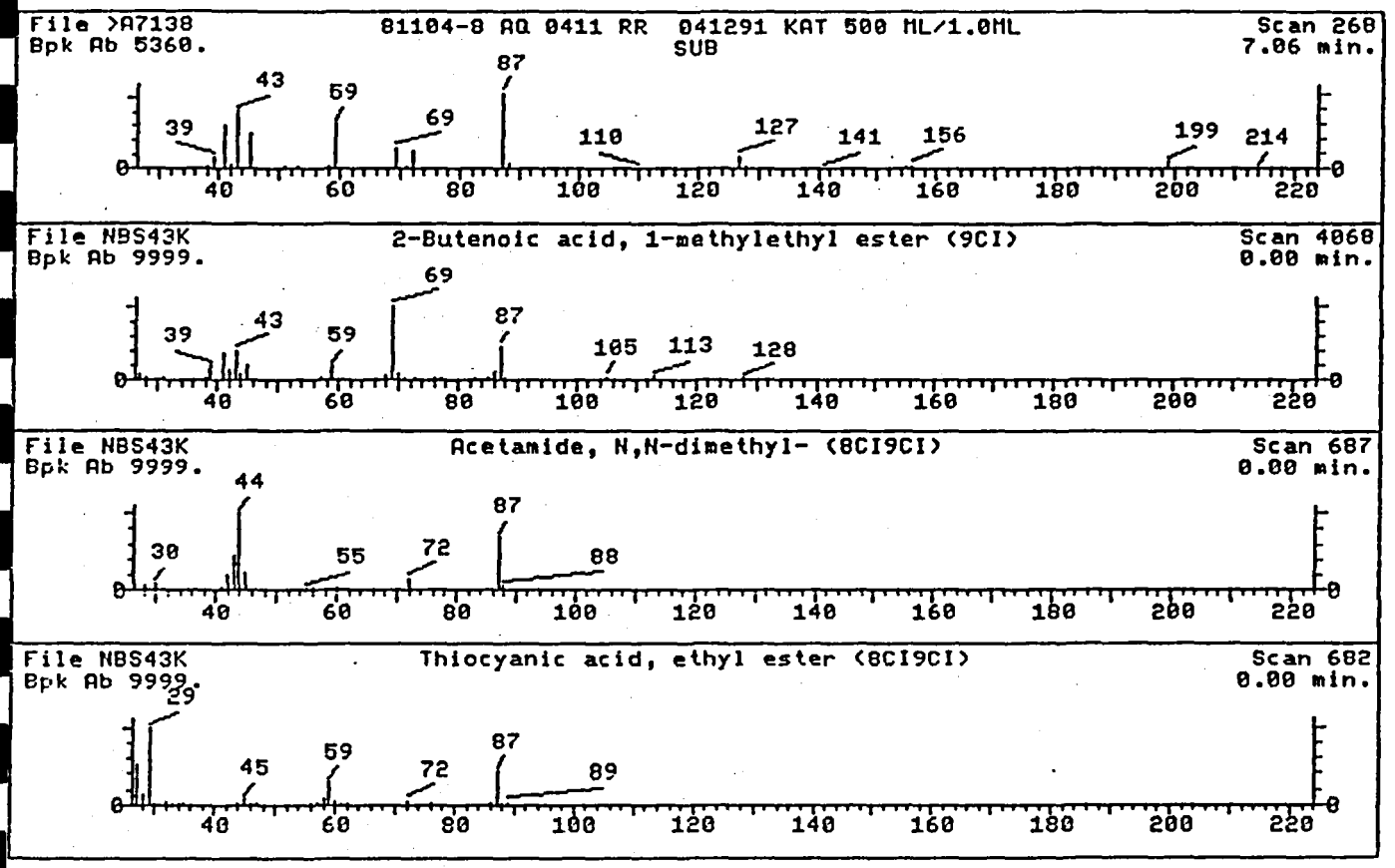



UNKNOWN #,3
AREA = 64364.00 TENTATIVE CONCENTRATION IS 10.00

| | | | |
|---|---|---|---|
| 1. | Furan, tetrahydro-2-(methoxymethyl)- | 116 | C6H12O2 |
| 2. | Ethanamine, N-pentylidene- (9CI) | 113 | C7H15N |
| 3. | Azetidine, 2-methyl- (8CI9CI) | 71 | C4H9N |
| 4. | Ethane, isocyanato- (9CI) | 71 | C3H5NO |
| 5. | Cyanic acid, ethyl ester (8CI9CI) | 71 | C3H5NO |
| 6. | Furan, 2,5-dihydro-2,5-dimethoxy- (8CI9CI) | 130 | C6H10O3 |

Sample file: >A7138 Spectrum #: 258
Search speed: 1 Tilting option: N No. of ion ranges searched: 42

| | Prob. | CAS # | CON # | ROOT | K | DK | #FLG | TILT | % | CON | C_I | R_IV |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1. | 52* | 19354279 | 3963 | NBS43K | 22 | 58 | 3 | 0 | 100 | 20 | 20 | 12 |
| 2. | 52* | 10599765 | 3955 | NBS43K | 25 | 65 | 2 | 0 | 129 | 20 | 20 | 14 |
| 3. | 42* | 19812498 | 3924 | NBS43K | 22 | 40 | 2 | 0 | 100 | 24 | 17 | 13 |
| 4. | 42* | 109900 | 3921 | NBS43K | 21 | 52 | 2 | 0 | 129 | 24 | 17 | 13 |
| 5. | 42* | 627485 | 3922 | NBS43K | 21 | 53 | 2 | 0 | 211 | 24 | 17 | 13 |
| 6. | 42* | 332774 | 8921 | NBS43K | 20 | 70 | 2 | 0 | 178 | 24 | 17 | 13 |




UNKNOWN #,4

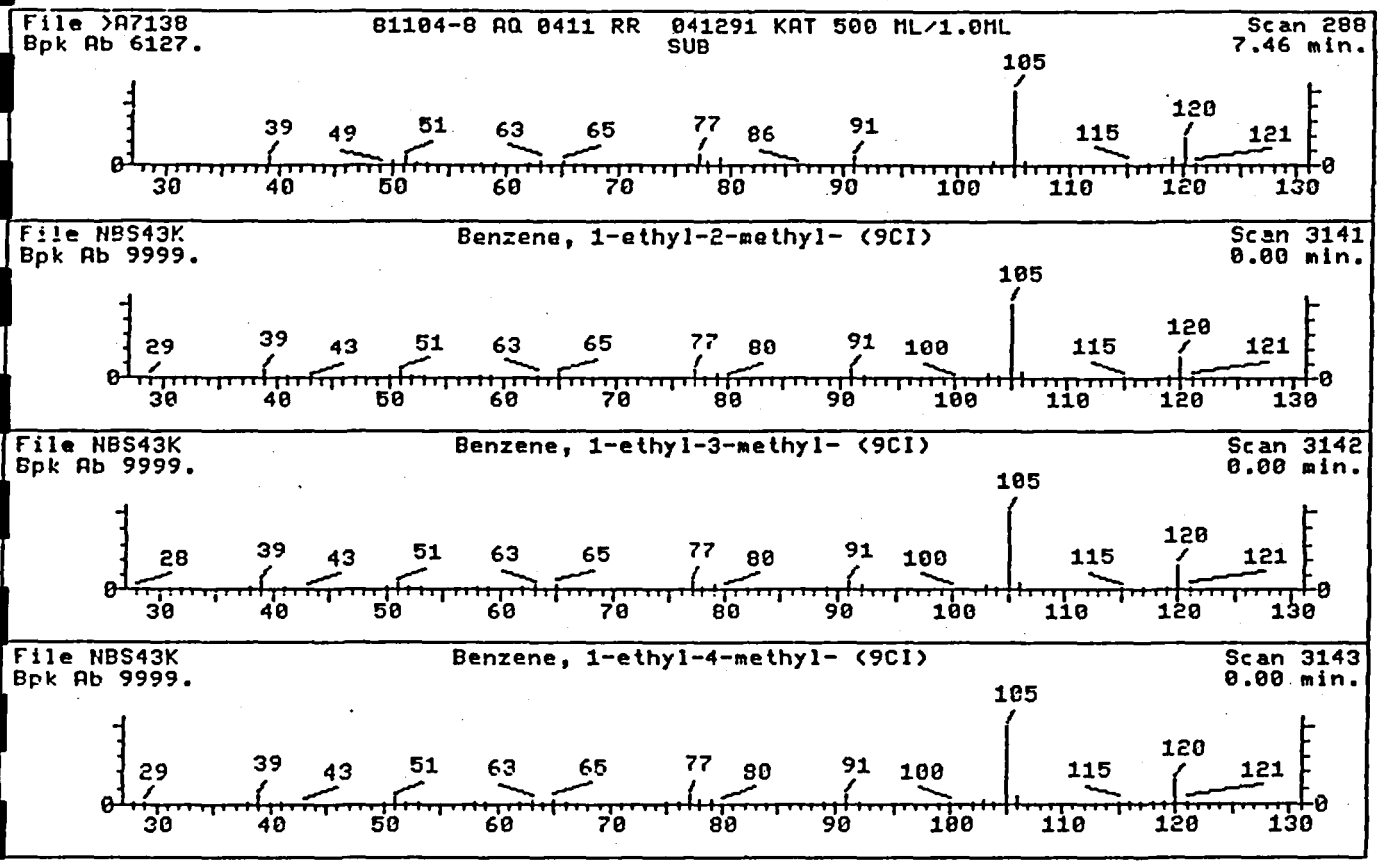
AREA = 83443.00 TENTATIVE CONCENTRATION IS 14.00

| | | | |
|---|---|---|---|
| 1. | 2-Butenoic acid, 1-methylethyl ester (9CI) | 128 | C7H12O2 |
| 2. | Acetamide, N,N-dimethyl- (8CI9CI) | 87 | C4H9NO |
| 3. | Thiocyanic acid, ethyl ester (8CI9CI) | 87 | C3H5NS |
| 4. | Acetamide, N-ethyl- (8CI9CI) | 87 | C4H9NO |
| 5. | Ethane, isothiocyanato- (9CI) | 87 | C3H5NS |
| 6. | 2-Propanone, O-methyloxime (9CI) | 87 | C4H9NO |

Sample file: >A7138 Spectrum #: 268

Search speed: 1 Tilting option: N No. of ion ranges searched: 40

| | Prob. | CAS # | CON # | ROOT | K | DK | #FLG | TILT | % | CON | C_I | R_IV |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1. | 42* | 18060770 | 6741 | NBS43K | 34 | 63 | 3 | 0 | 220 | 22 | 17 | 13 |
| 2. | 33* | 127195 | 6672 | NBS43K | 43 | 48 | 3 | 0 | 145 | 34 | 12 | 16 |
| 3. | 27* | 542905 | 6669 | NBS43K | 21 | 80 | 2 | 0 | 206 | 38 | 10 | 13 |
| 4. | 25* | 625503 | 6674 | NBS43K | 36 | 57 | 2 | 0 | 129 | 48 | 7 | 17 |
| 5. | 25* | 542858 | 6668 | NBS43K | 22 | 81 | 3 | 0 | 62 | 50 | 7 | 12 |

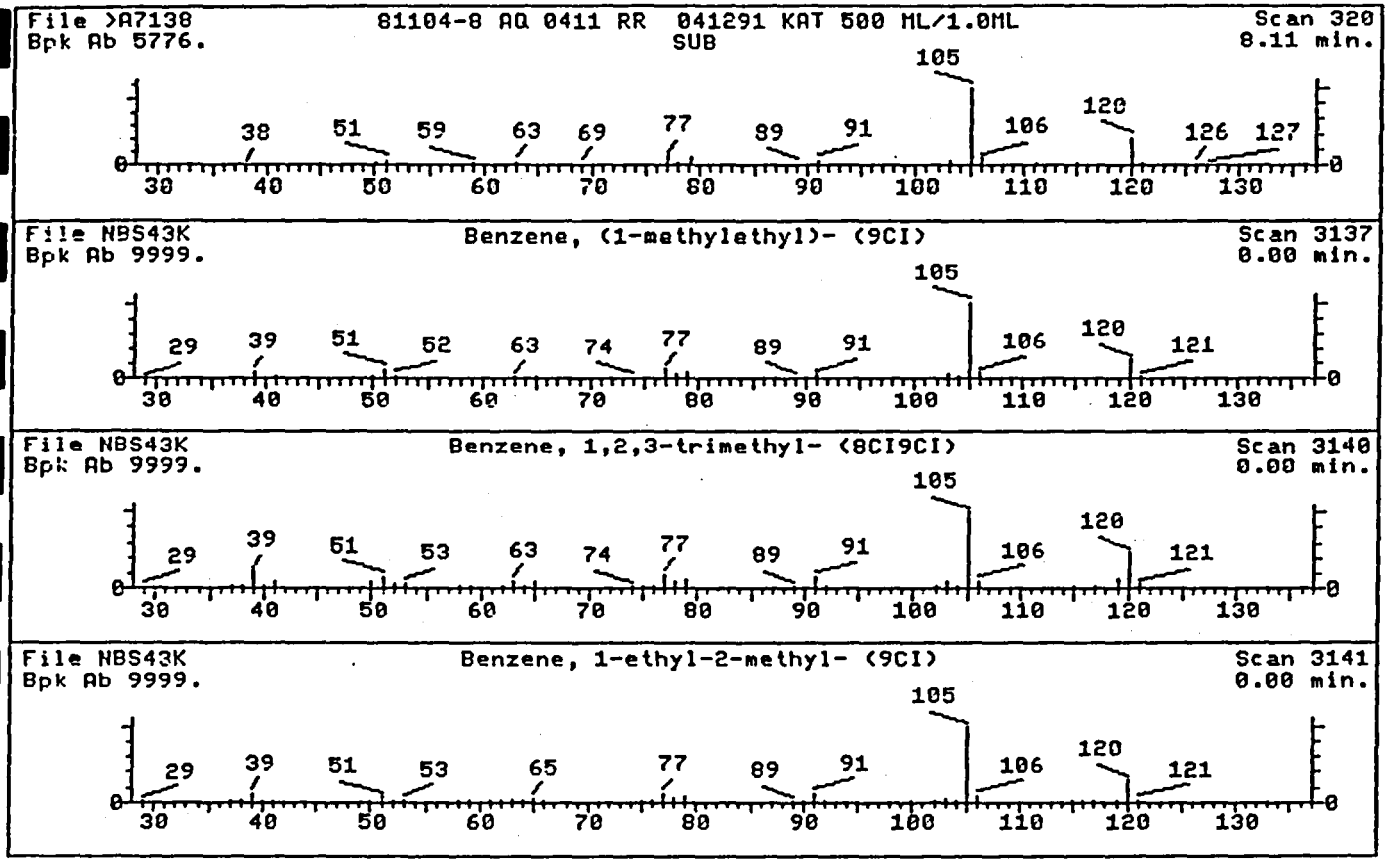



. UNKNOWN #,5
AREA = 67833.00 TENTATIVE CONCENTRATION IS 11.00

1. Benzene, 1-ethyl-2-methyl- (9CI) 120 C9H12
2. Benzene, 1-ethyl-3-methyl- (9CI) 120 C9H12
3. Benzene, 1-ethyl-4-methyl- (9CI) 120 C9H12
4. Benzene, (1-methylethyl)- (9CI) 120 C9H12
5. Benzene, 1,2,4-trimethyl- (8CI9CI) 120 C9H12
6. Benzene, 1,3,5-trimethyl- (9CI) 120 C9H12

Sample file: >A7138 Spectrum #: 288
Search speed: 1 Tilting option: N No. of ion ranges searched: 41

| | Prob. | CAS # | CON # | ROOT | K | DK | #FLG | TILT | % | CON | C_I | R_IV |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1. | 84* | 611143 | 12450 | NBS43K | 63 | 22 | 1 | 0 | 81 | 9 | 55 | 69 |
| 2. | 83* | 620144 | 12451 | NBS43K | 58 | 29 | 1 | 0 | 81 | 9 | 54 | 57 |
| 3. | 79* | 622968 | 12452 | NBS43K | 49 | 36 | 1 | 0 | 81 | 9 | 48 | 37 |
| 4. | 67* | 98828 | 12446 | NBS43K | 45 | 42 | 1 | 0 | 81 | 14 | 34 | 27 |
| 5. | 41* | 95636 | 12445 | NBS43K | 48 | 47 | 1 | 0 | 53 | 41 | 14 | 31 |
| 6. | 28* | 108678 | 12448 | NBS43K | 25 | 63 | 2 | 0 | 56 | 40 | 10 | 14 |

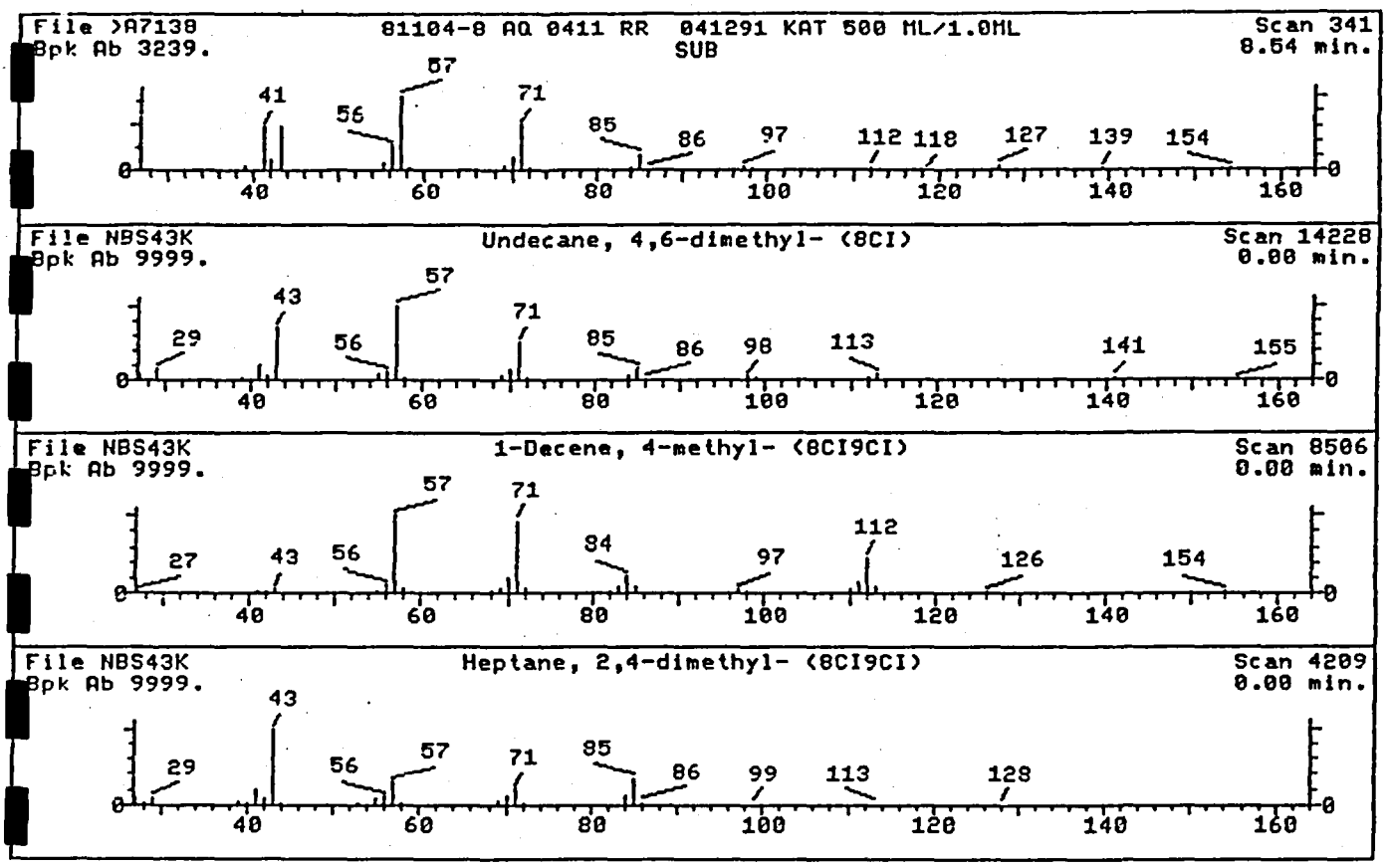



. UNKNOWN #,6
AREA = 100538.0 TENTATIVE CONCENTRATION IS 16.00

1. Benzene, (1-methylethyl)- (9CI) 120 C9H12
2. Benzene, 1,2,3-trimethyl- (8CI9CI) 120 C9H12
3. Benzene, 1-ethyl-2-methyl- (9CI) 120 C9H12
4. Benzene, 1-ethyl-3-methyl- (9CI) 120 C9H12
5. Benzene, 1-ethyl-4-methyl- (9CI) 120 C9H12
6. Ethanone, 1-phenyl- (9CI) 120 C8H8O

Sample file: >A7138 Spectrum #: 320
Search speed: 1 Tilting option: N No. of ion ranges searched: 42

| | Prob. | CAS # | CON # | ROOT | K | DK | #FLG | TILT | % | CON | C_I | R_IV |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1. | 86* | 98828 | 12446 | NBS43K | 50 | 37 | 2 | 0 | 91 | 5 | 60 | 31 |
| 2. | 83* | 526738 | 12449 | NBS43K | 52 | 48 | 2 | 0 | 69 | 5 | 57 | 27 |
| 3. | 81* | 611143 | 12450 | NBS43K | 58 | 27 | 2 | 0 | 100 | 7 | 53 | 44 |
| 4. | 81* | 620144 | 12451 | NBS43K | 58 | 29 | 2 | 0 | 100 | 7 | 53 | 44 |
| 5. | 79* | 622968 | 12452 | NBS43K | 53 | 32 | 2 | 0 | 100 | 7 | 48 | 36 |

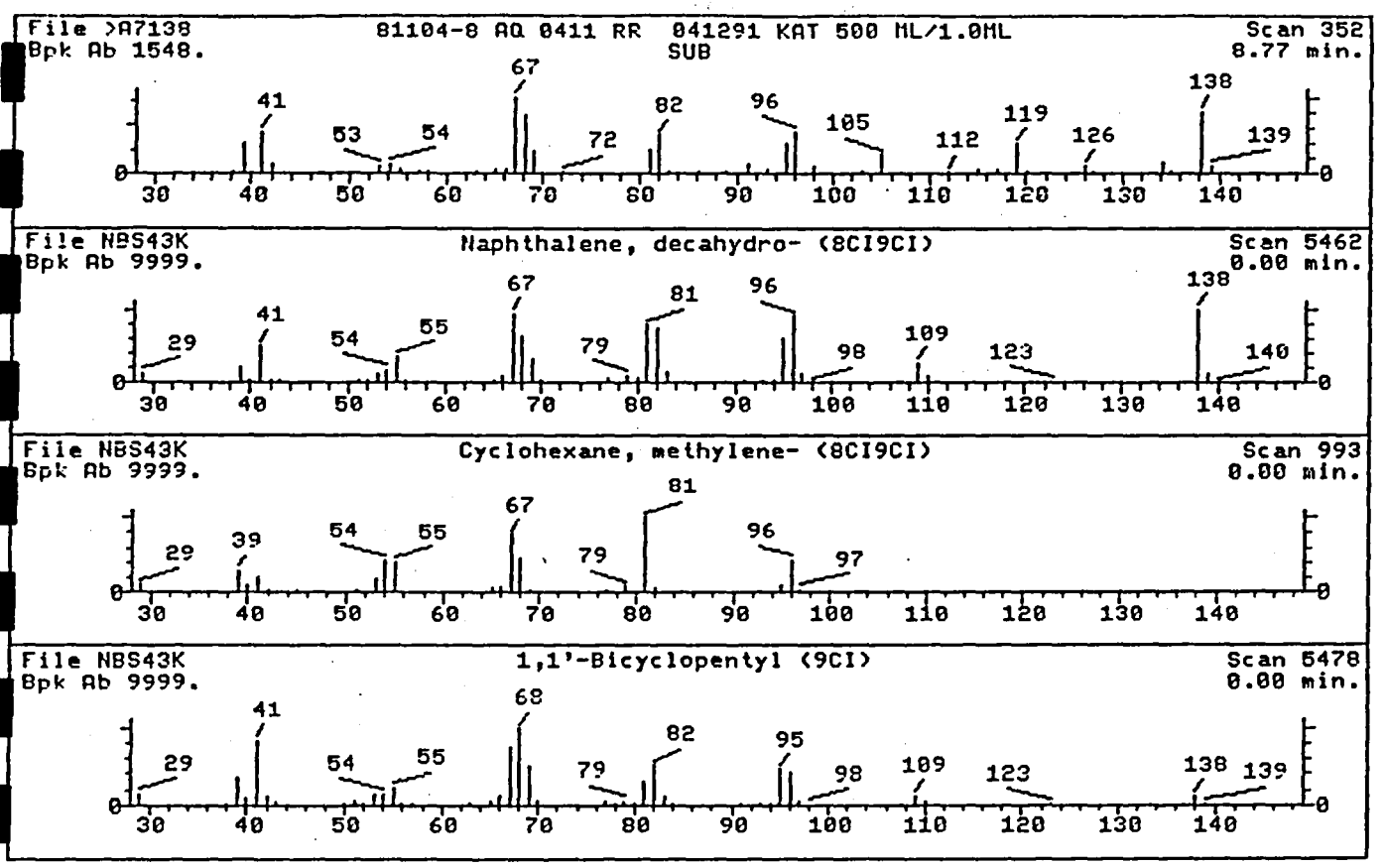



UNKNOWN #,7
AREA = 67835.00 TENTATIVE CONCENTRATION IS 11.00

| | | | |
|---|---|---|---|
| 1. | Undecane, 4,6-dimethyl- (8CI) | 184 | C13H28 |
| 2. | 1-Decene, 4-methyl- (8CI9CI) | 154 | C11H22 |
| 3. | Heptane, 2,4-dimethyl- (8CI9CI) | 128 | C9H20 |
| 4. | Decane, 3-methyl- (8CI9CI) | 156 | C11H24 |
| 5. | Nonane, 3,7-dimethyl- (8CI9CI) | 156 | C11H24 |
| 6. | Octane, 2,3,6-trimethyl- (9CI) | 156 | C11H24 |

Sample file: >A7138 Spectrum #: 341
Search speed: 1 Tilting option: N No. of ion ranges searched: 45

| | Prob. | CAS # | CON # | ROOT | K | DK | #FLG | TILT | % | CON | C_I | R_IV |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1. | 60 | 17312822 | 4055 | NBS43K | 59 | 39 | 2 | 0 | 100 | 11 | 30 | 19 |
| 2. | 52* | 13151296 | 11055 | NBS43K | 45 | 57 | 3 | 0 | 66 | 20 | 20 | 13 |
| 3. | 52* | 2213232 | 6097 | NBS43K | 31 | 56 | 3 | 0 | 296 | 19 | 20 | 13 |
| 4. | 52 | 13151343 | 13690 | NBS43K | 56 | 38 | 3 | 0 | 79 | 19 | 20 | 13 |
| 5. | 52 | 17302328 | 6163 | NBS43K | 52 | 35 | 2 | 0 | 92 | 16 | 20 | 18 |
| 6. | 43 | 62016335 | 4023 | NBS43K | 47 | 45 | 2 | 0 | 73 | 22 | 17 | 14 |

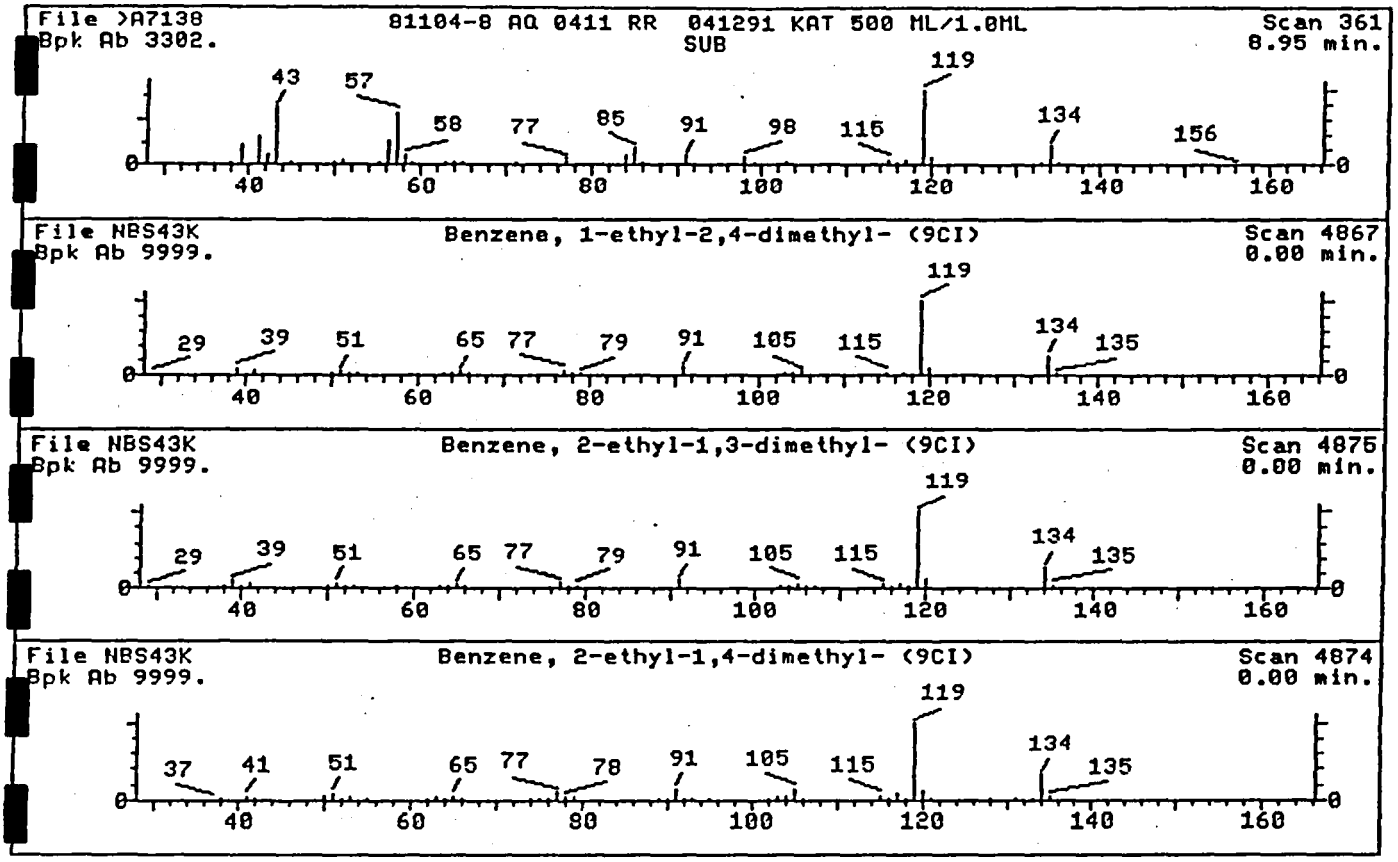



UNKNOWN #,8
AREA = 94897.00 TENTATIVE CONCENTRATION IS 15.00

| | | | |
|---|---|---|---|
| 1. | Naphthalene, decahydro- (8CI9CI) | 138 | C10H18 |
| 2. | Cyclohexane, methylene- (8CI9CI) | 96 | C7H12 |
| 3. | 1,1'-Bicyclopentyl (9CI) | 138 | C10H18 |
| 4. | Bicyclo[4.2.1]nonan-9-one (8CI9CI) | 138 | C9H14O |
| 5. | Bicyclo[3.3.1]nonan-9-one (8CI9CI) | 138 | C9H14O |
| 6. | Naphthalene, decahydro-, trans- (8CI9CI) | 138 | C10H18 |

Sample file: >A7138 Spectrum #: 352
Search speed: 1 Tilting option: N No. of ion ranges searched: 42

| | Prob. | CAS # | CON # | ROOT | K | DK | #FLG | TILT | % | CON | C_I | R_IV |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1. | 30* | 91178 | 15562 | NBS43K | 46 | 81 | 3 | 0 | 62 | 32 | 12 | 13 |
| 2. | 25* | 1192376 | 8201 | NBS43K | 37 | 67 | 3 | 0 | 129 | 50 | 7 | 13 |
| 3. | 25* | 1636391 | 3361 | NBS43K | 40 | 78 | 3 | 0 | 77 | 47 | 7 | 13 |
| 4. | 20* | 14252110 | 15646 | NBS43K | 40 | 66 | 3 | 0 | 92 | 53 | 5 | 13 |
| 5. | 20* | 17931554 | 15650 | NBS43K | 37 | 78 | 3 | 0 | 90 | 54 | 5 | 13 |
| 6. | 20* | 493027 | 15566 | NBS43K | 38 | 84 | 3 | 0 | 54 | 52 | 5 | 13 |

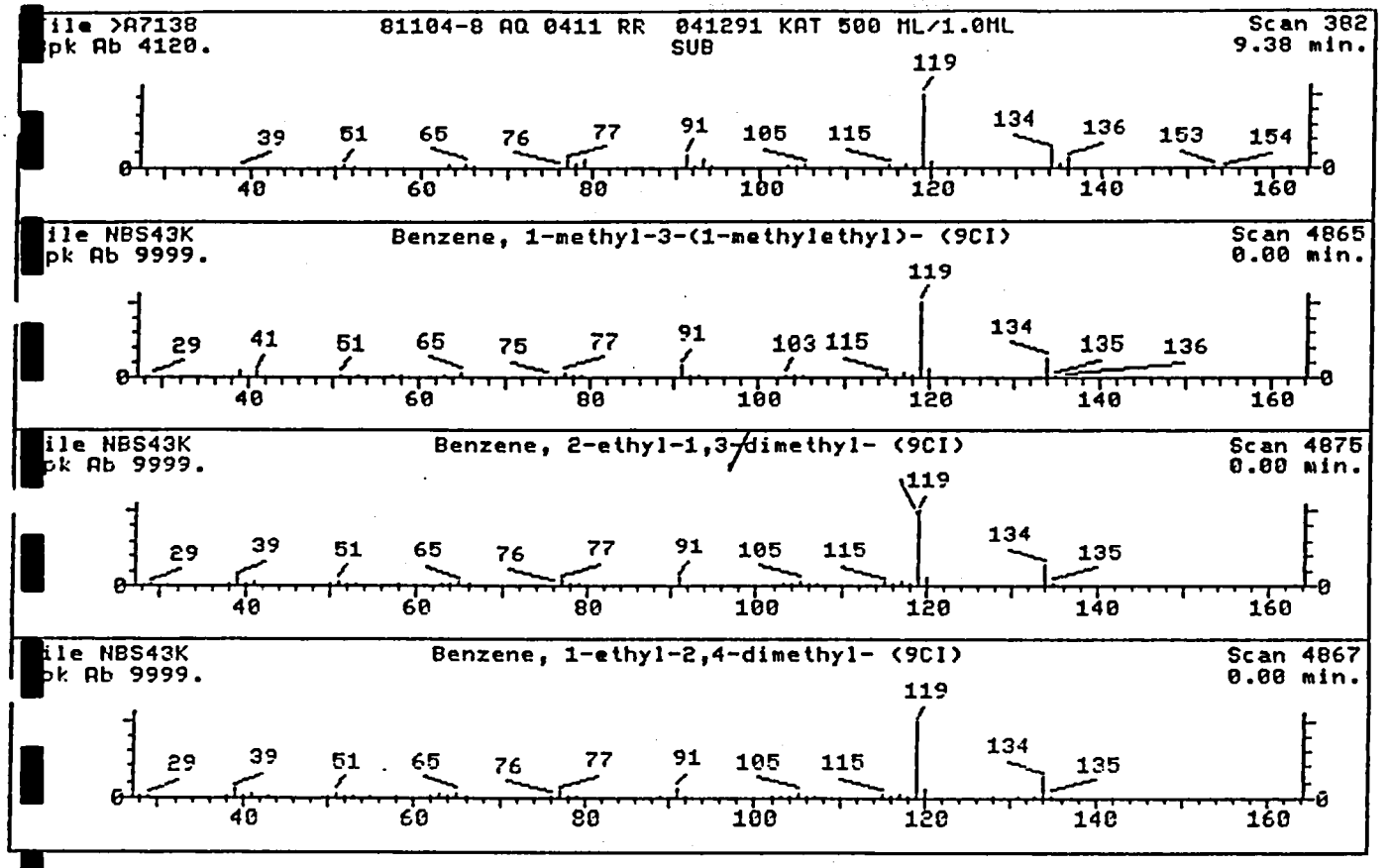



UNKNOWN #,9
AREA = 78837.00 TENTATIVE CONCENTRATION IS 13.00

1. Benzene, 1-ethyl-2,4-dimethyl- (9CI) 134 C10H14
2. Benzene, 2-ethyl-1,3-dimethyl- (9CI) 134 C10H14
3. Benzene, 2-ethyl-1,4-dimethyl- (9CI) 134 C10H14
4. Benzene, 4-ethyl-1,2-dimethyl- (9CI) 134 C10H14
5. Benzene, 1-methyl-3-(1-methylethyl)- (9CI) 134 C10H14
6. Benzene, 1-ethyl-3,5-dimethyl- (9CI) 134 C10H14

Sample file: >A7138 Spectrum #: 361
Search speed: 1 Tilting option: N No. of ion ranges searched: 42

| | Prob. | CAS # | CON # | ROOT | K | DK | #FLG | TILT | % | CON | C_I | R_IV |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1. | 59* | 874419 | 12311 | NBS43K | 63 | 25 | 2 | 0 | 96 | 39 | 21 | 50 |
| 2. | 58* | 2870044 | 12316 | NBS43K | 62 | 27 | 2 | 0 | 93 | 39 | 19 | 49 |
| 3. | 58* | 1758889 | 12315 | NBS43K | 64 | 30 | 2 | 0 | 78 | 39 | 19 | 49 |
| 4. | 50* | 934805 | 12314 | NBS43K | 57 | 36 | 2 | 0 | 89 | 39 | 19 | 41 |
| 5. | 40* | 535773 | 12310 | NBS43K | 47 | 42 | 2 | 0 | 72 | 39 | 14 | 27 |
| 6. | 40* | 934747 | 12313 | NBS43K | 49 | 46 | 2 | 0 | 73 | 39 | 14 | 27 |

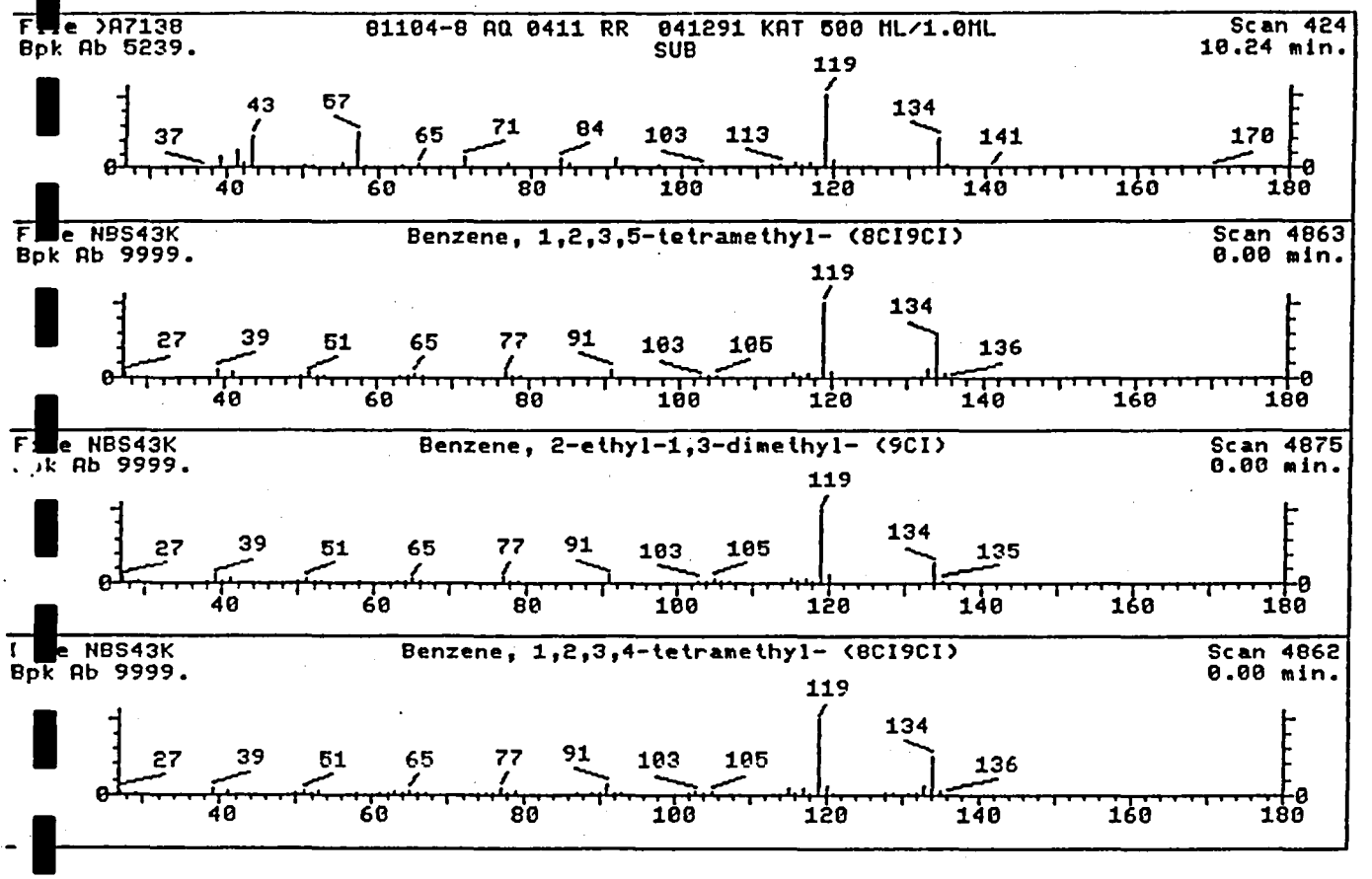



UNKNOWN #,10
REA = 72747.00 TENTATIVE CONCENTRATION IS 12.00

1. Benzene, 1-methyl-3-(1-methylethyl)- (9CI) 134 C10H14
2. Benzene, 2-ethyl-1,3-dimethyl- (9CI) 134 C10H14
3. Benzene, 1-ethyl-2,4-dimethyl- (9CI) 134 C10H14
4. Benzene, 4-ethyl-1,2-dimethyl- (9CI) 134 C10H14
5. Benzene, 2-ethyl-1,4-dimethyl- (9CI) 134 C10H14
6. Benzene, 1-methyl-2-(1-methylethyl)- (9CI) 134 C10H14

Sample file: >A7138 Spectrum #: 382
earch speed: 1 Tilting option: N No. of ion ranges searched: 41

| | Prob. | CAS # | CON # | ROOT | K | DK | #FLG | TILT | % | CON | C_I | R_IV |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1. | 86* | 535773 | 12310 | NBS43K | 68 | 21 | 0 | 0 | 86 | 17 | 50 | 83 |
| 2. | 81* | 2870044 | 12316 | NBS43K | 62 | 27 | 0 | 0 | 95 | 17 | 45 | 74 |
| 3. | 81* | 874419 | 12311 | NBS43K | 61 | 27 | 0 | 0 | 98 | 17 | 45 | 73 |
| 4. | 81* | 934805 | 12314 | NBS43K | 62 | 31 | 0 | 0 | 67 | 17 | 45 | 74 |
| 5. | 75* | 1758889 | 12315 | NBS43K | 62 | 32 | 1 | 0 | 70 | 17 | 35 | 60 |
| 6. | 66* | 527844 | 12309 | NBS43K | 58 | 34 | 2 | 0 | 100 | 17 | 31 | 44 |

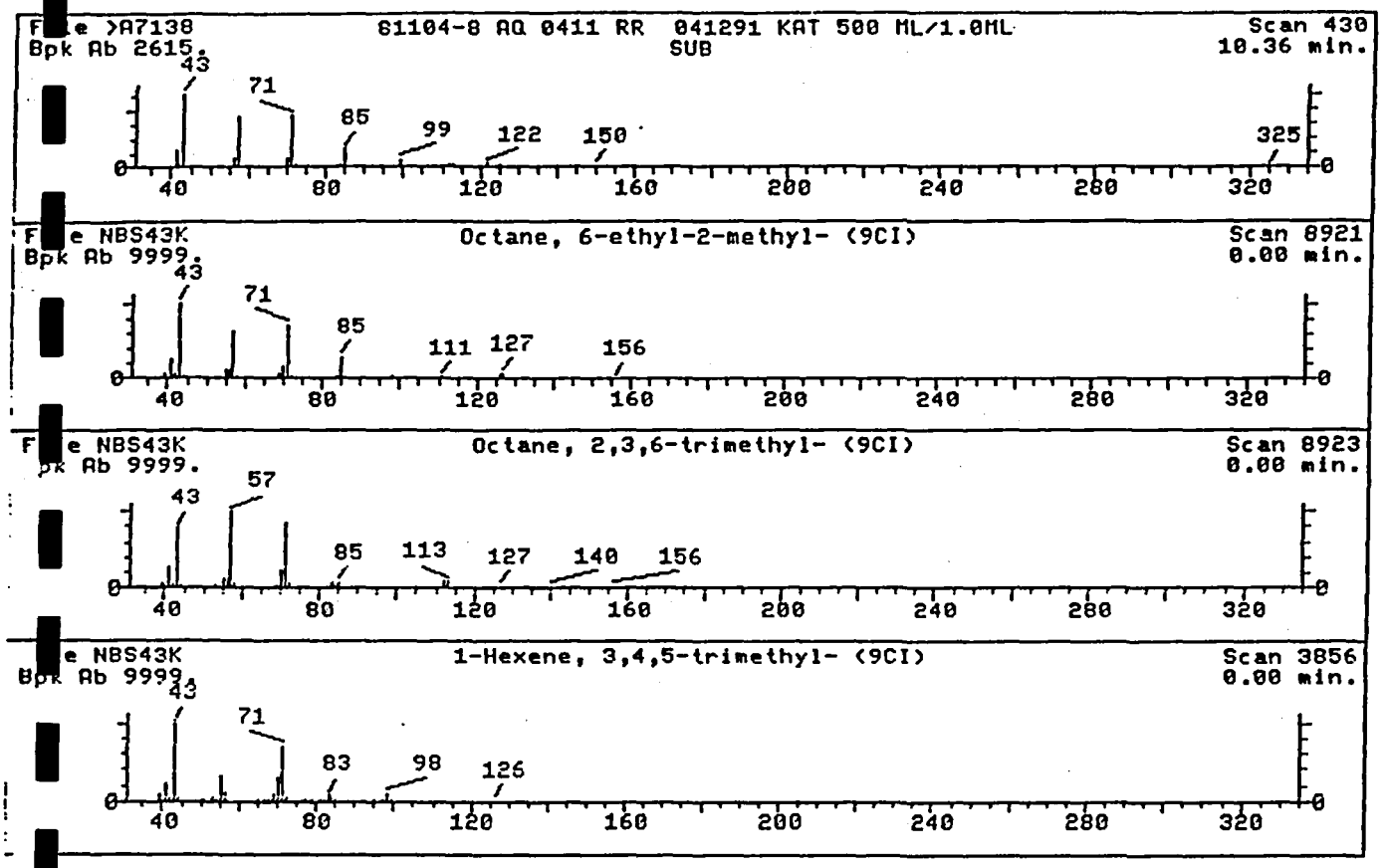



UNKNOWN #,12
AREA = 98841.00 TENTATIVE CONCENTRATION IS 12.00

1. Benzene, 1,2,3,5-tetramethyl- (8CI9CI) 134 C10H14
2. Benzene, 2-ethyl-1,3-dimethyl- (9CI) 134 C10H14
3. Benzene, 1,2,3,4-tetramethyl- (8CI9CI) 134 C10H14
4. Benzene, 1,2,4,5-tetramethyl- (8CI9CI) 134 C10H14
5. Ethanone, 1-(4-methylphenyl)- (9CI) 134 C9H10O
6. Ethanone, 1-(3-methylphenyl)- (9CI) 134 C9H10O

Sample file: >A7138 Spectrum #: 424
Search speed: 1 Tilting option: N No. of ion ranges searched: 41

| | Prob. | CAS # | CON # | ROOT | K | DK | #FLG | TILT | % | CON | C_I | R_IU |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1. | 70* | 527537 | 14690 | NBS43K | 69 | 24 | 2 | 0 | 77 | 17 | 32 | 57 |
| 2. | 66* | 2870044 | 12316 | NBS43K | 59 | 30 | 2 | 0 | 100 | 17 | 31 | 45 |
| 3. | 63* | 488233 | 14689 | NBS43K | 63 | 31 | 3 | 0 | 82 | 17 | 30 | 39 |
| 4. | 63* | 95932 | 14683 | NBS43K | 55 | 47 | 2 | 0 | 76 | 17 | 30 | 32 |
| 5. | 60* | 122009 | 12323 | NBS43K | 30 | 73 | 3 | 0 | 100 | 14 | 30 | 13 |
| 6. | 60* | 585740 | 12324 | NBS43K | 31 | 76 | 3 | 0 | 100 | 15 | 30 | 13 |

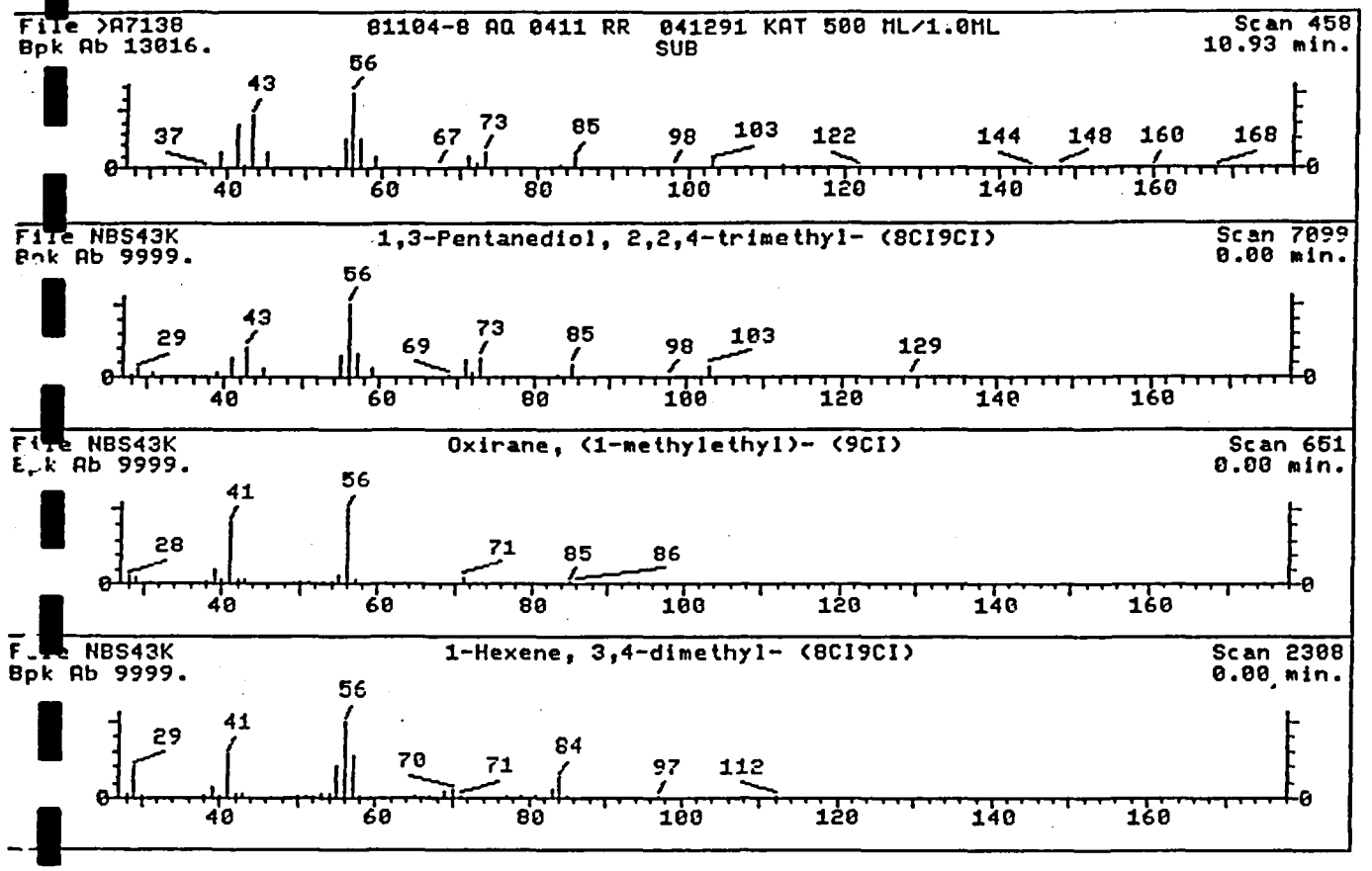



UNKNOWN #,13
AREA = 69533.00 TENTATIVE CONCENTRATION IS 8.00

| | | | |
|---|---|---|---|
| 1. | Octane, 6-ethyl-2-methyl- (9CI) | 156 | C11H24 |
| 2. | Octane, 2,3,6-trimethyl- (9CI) | 156 | C11H24 |
| 3. | 1-Hexene, 3,4,5-trimethyl- (9CI) | 126 | C9H18 |
| 4. | 1-Hexene, 4,5-dimethyl- (8CI9CI) | 112 | C8H16 |
| 5. | Ethanamine, N-pentylidene- (9CI) | 113 | C7H15N |
| 6. | Pentane, 3-bromo- (8CI9CI) | 150 | C5H11Br |

Sample file: >A7138 Spectrum #: 430
Search speed: 1 Tilting option: N No. of ion ranges searched: 47

| | Prob. | CAS # | CON # | ROOT | K | DK | #FLG | TILT | % | CON | C_I | R_IV |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1. | 39 | 62016197 | 6165 | NBS43K | 48 | 42 | 2 | 0 | 78 | 30 | 14 | 16 |
| . | 30 | 62016335 | 4023 | NBS43K | 46 | 46 | 2 | 0 | 63 | 35 | 12 | 13 |
| . | 25* | 56728100 | 3965 | NBS43K | 30 | 55 | 3 | 0 | 100 | 50 | 7 | 13 |
| 4. | 25* | 16106595 | 3954 | NBS43K | 23 | 64 | 3 | 0 | 100 | 47 | 7 | 12 |
| 5. | 24* | 10599765 | 3955 | NBS43K | 23 | 67 | 3 | 0 | 91 | 42 | 8 | 12 |
| . | 20* | 1809105 | 4009 | NBS43K | 24 | 52 | 3 | 0 | 75 | 55 | 5 | 12 |

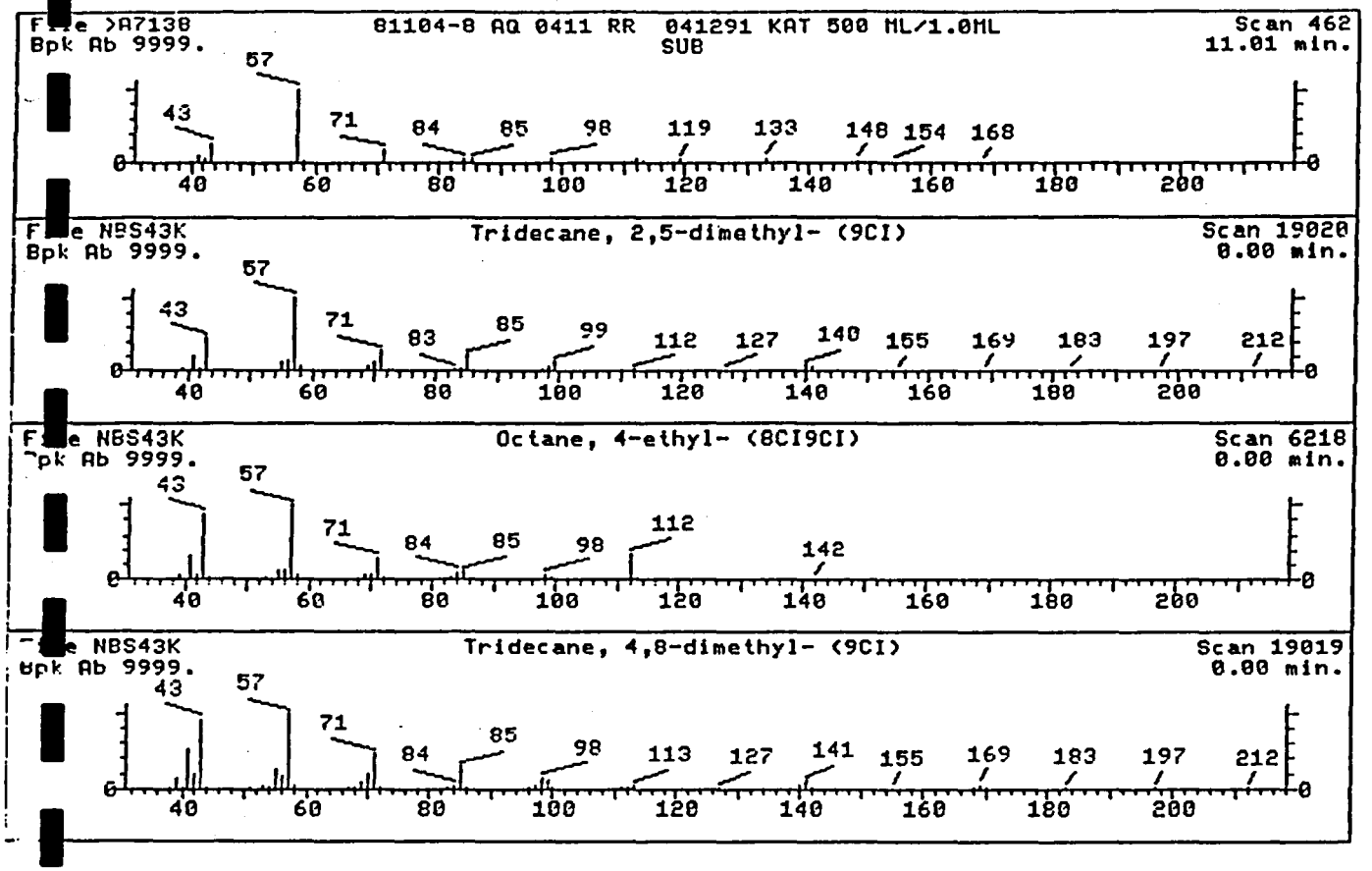



UNKNOWN #,14
AREA = 228973.0 TENTATIVE CONCENTRATION IS 27.00

| | | | |
|---|---|---|---|
| 1. | 1,3-Pentanediol, 2,2,4-trimethyl- (8CI9CI) | 146 | C8H18O2 |
| 2. | Oxirane, (1-methylethyl)- (9CI) | 86 | C5H10O |
| 3. | 1-Hexene, 3,4-dimethyl- (8CI9CI) | 112 | C8H16 |
| 4. | 1-Hexene, 5-methyl- (8CI9CI) | 98 | C7H14 |
| 5. | Cyanic acid, propyl ester (8CI9CI) | 85 | C4H7NO |
| 6. | 2-Propen-1-amine (9CI) | 57 | C3H7N |

Sample file: >A7138 Spectrum #: 458
Search speed: 1 Tilting option: N No. of ion ranges searched: 41

| | Prob. | CAS # | CON # | ROOT | K | DK | #FLG | TILT | % | CON | C_I | R_IV |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1. | 31 | 144194 | 1092 | NBS43K | 53 | 44 | 1 | 0 | 61 | 38 | 10 | 17 |
| 2. | 25* | 1438148 | 963 | NBS43K | 27 | 49 | 1 | 0 | 68 | 49 | 7 | 15 |
| 3. | 25* | 16745941 | 1027 | NBS43K | 32 | 58 | 3 | 0 | 74 | 47 | 7 | 13 |
| 4. | 25* | 3524730 | 983 | NBS43K | 33 | 66 | 3 | 0 | 69 | 50 | 7 | 13 |
| 5. | 25* | 1768361 | 960 | NBS43K | 33 | 72 | 3 | 0 | 74 | 44 | 8 | 13 |
| 6. | 25* | 107119 | 942 | NBS43K | 21 | 63 | 2 | 0 | 125 | 50 | 7 | 13 |

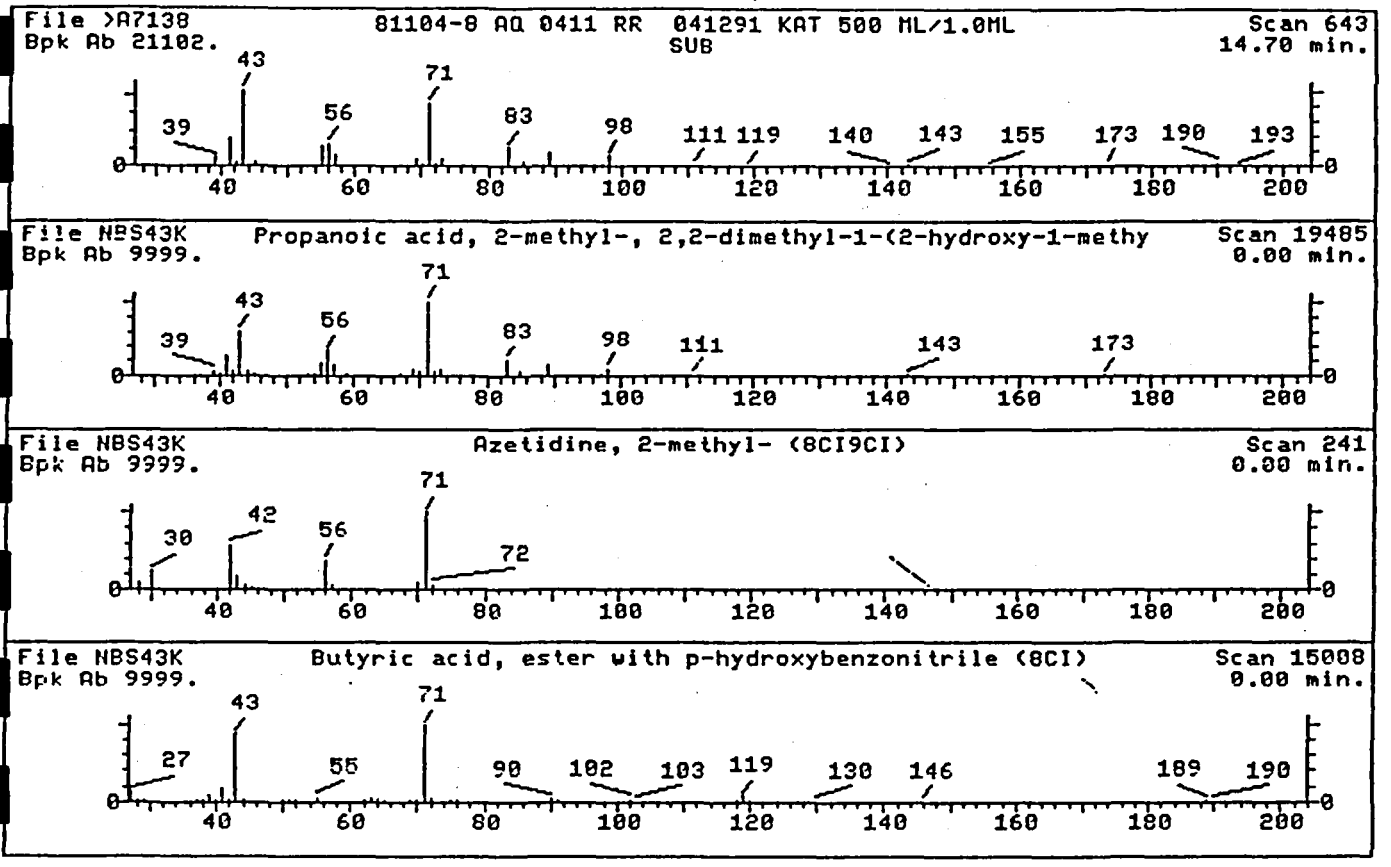



UNKNOWN #,15
AREA = 81932.00 TENTATIVE CONCENTRATION IS 10.00

| | | | |
|---|---|---|---|
| 1. | Tridecane, 2,5-dimethyl- (9CI) | 212 | C15H32 |
| 2. | Octane, 4-ethyl- (8CI9CI) | 142 | C10H22 |
| 3. | Tridecane, 4,8-dimethyl- (9CI) | 212 | C15H32 |
| 4. | Hexane, 4-ethyl-2-methyl- (8CI9CI) | 128 | C9H20 |
| 5. | Propene, 3-tert-butoxy-2-(isopropoxymethyl)- (8CI) | 186 | C11H22O2 |
| 6. | Undecane, 2,6-dimethyl- (8CI9CI) | 184 | C13H28 |

Sample file: >A7138 Spectrum #: 462
Search speed: 1 Tilting option: N No. of ion ranges searched: 112

| | Prob. | CAS # | CON # | ROOT | K | DK | #FLG | TILT | % | CON | C_I | R_IV |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1. | 52* | 56292661 | 9079 | NBS43K | 34 | 72 | 2 | 0 | 68 | 17 | 20 | 14 |
| . | 52* | 15869860 | 11034 | NBS43K | 26 | 67 | 3 | 0 | 100 | 17 | 20 | 13 |
| . | 52* | 55030621 | 16277 | NBS43K | 27 | 96 | 3 | 0 | 100 | 17 | 20 | 13 |
| 4. | 42* | 3074757 | 8915 | NBS43K | 32 | 57 | 3 | 0 | 100 | 21 | 17 | 13 |
| . | 42* | 23230888 | 6907 | NBS43K | 21 | 79 | 2 | 0 | 100 | 23 | 17 | 13 |
| . | 41* | 17301234 | 8781 | NBS43K | 56 | 46 | 2 | 0 | 52 | 45 | 14 | 33 |

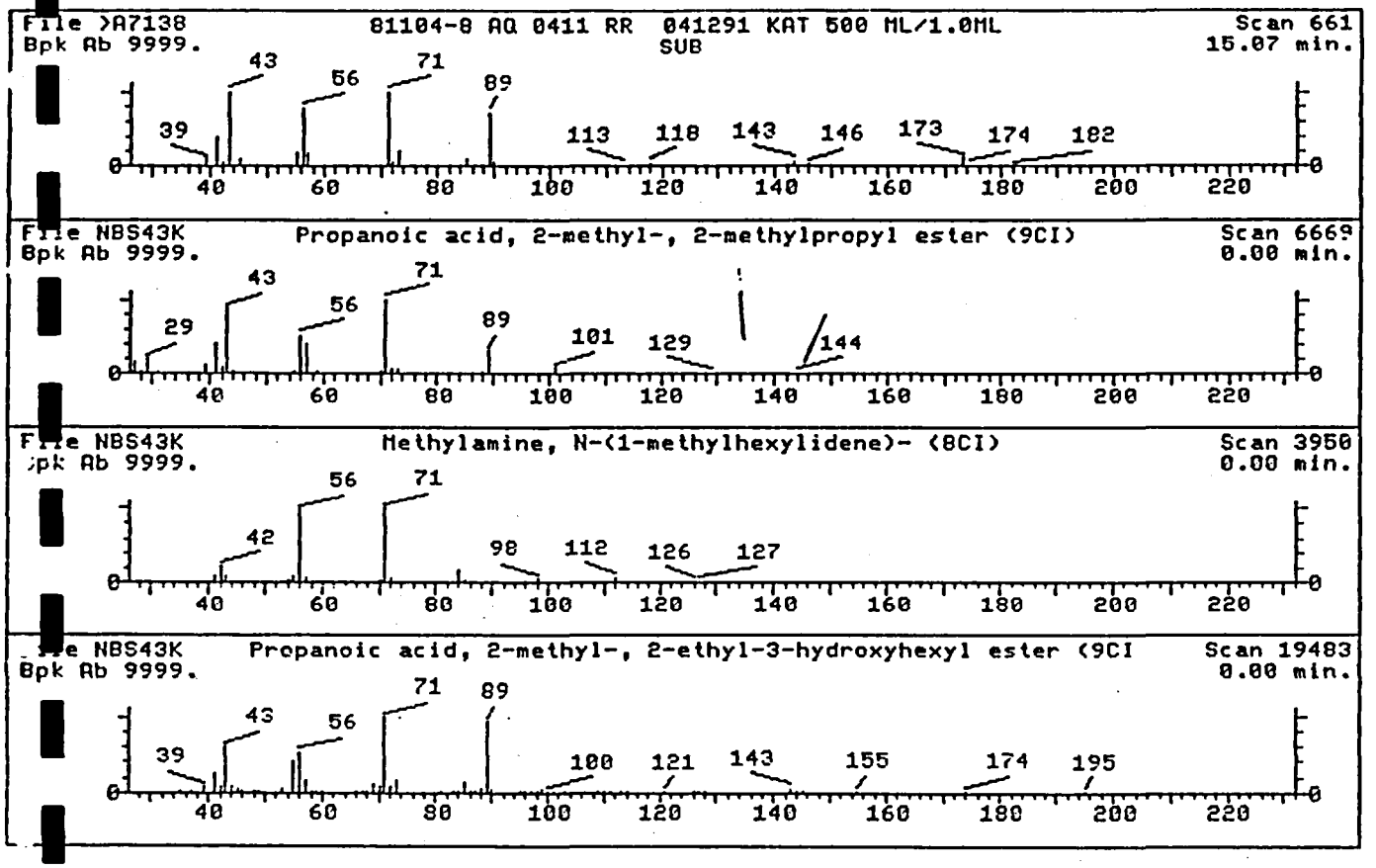



. UNKNOWN #,17
AREA = 252640.0 TENTATIVE CONCENTRATION IS 26.00

1. Propanoic acid, 2-methyl-, 2,2-dimethyl-1-(2-hydroxy -1-methylethyl)propy 216 C12H24O3
2. Azetidine, 2-methyl- (8CI9CI) 71 C4H9N
3. Butyric acid, ester with p-hydroxybenzonitrile (8CI) 189 C11H11NO2
4. Butane, 2-bromo-2-methyl- (8CI9CI) 150 C5H11Br
5. Pentane, 3-bromo- (8CI9CI) 150 C5H11Br

Sample file: >A7138 Spectrum #: 643
Search speed: 1 Tilting option: N No. of ion ranges searched: 41

| | Prob. | CAS # | CON # | ROOT | K | DK | #FLG | TILT | % | CON | C_I | R_IV |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1. | 71 | 74367332 | 4093 | NBS43K | 80 | 34 | 1 | 0 | 69 | 14 | 38 | 31 |
| 2. | 30* | 19812498 | 3924 | NBS43K | 21 | 41 | 2 | 0 | 82 | 33 | 12 | 13 |
| 3. | 26* | 29052106 | 4071 | NBS43K | 30 | 63 | 2 | 0 | 83 | 44 | 8 | 14 |
| 4. | 24 | 507368 | 4007 | NBS43K | 35 | 43 | 2 | 0 | 83 | 44 | 8 | 12 |
| 5. | 24 | 1809105 | 4009 | NBS43K | 34 | 42 | 1 | 0 | 68 | 44 | 8 | 12 |

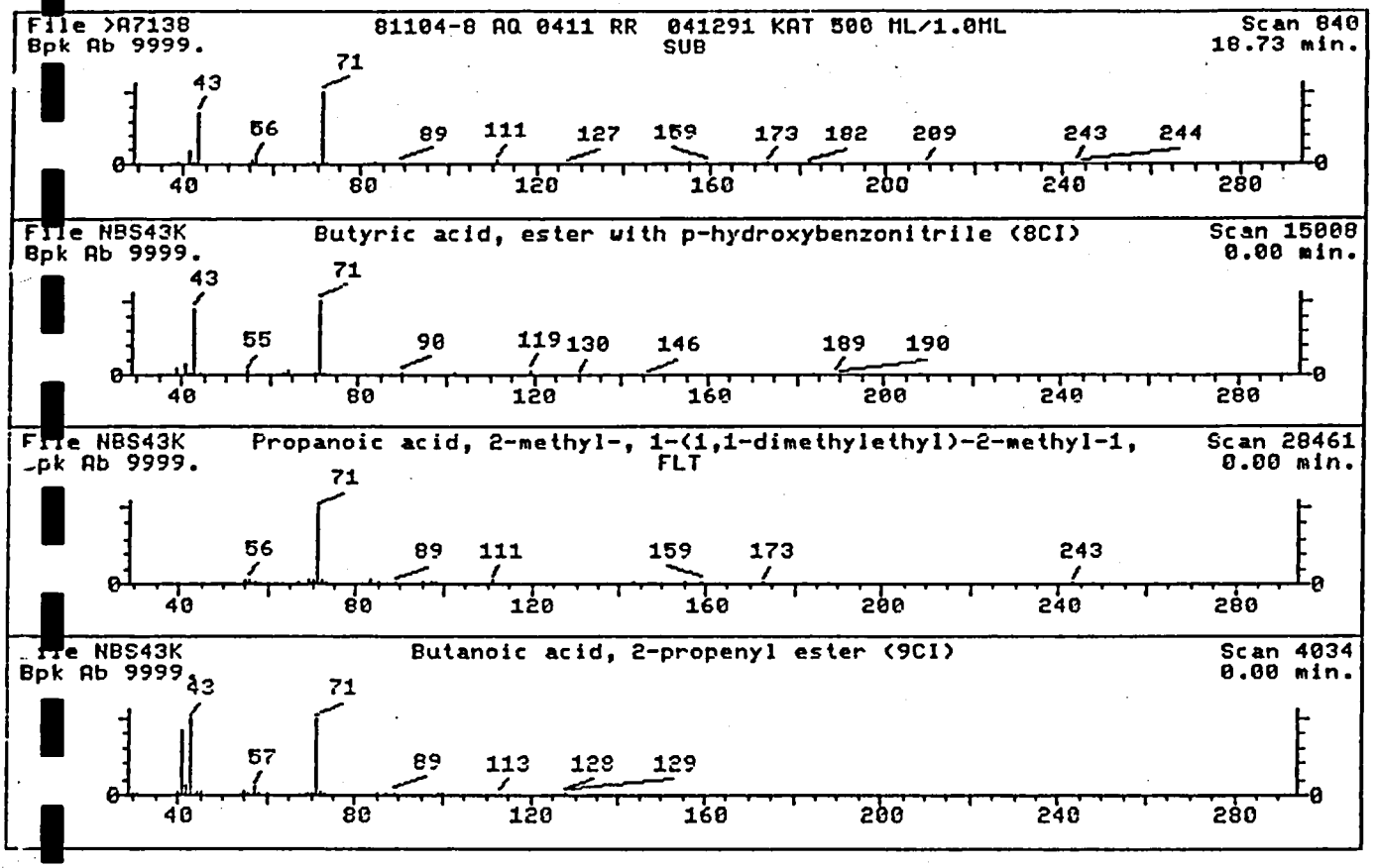



UNKNOWN #,18
AREA = 152200.0 TENTATIVE CONCENTRATION IS 15.00

1. Propanoic acid, 2-methyl-, 2-methylpropyl ester (9CI 144 C8H16O2
2. Methylamine, N-(1-methylhexylidene)- (8CI) 127 C8H17N
3. Propanoic acid, 2-methyl-, 2-ethyl-3-hydroxyhexyl es ter (9CI) 216 C12H24O3
4. Azetidine, 1-methyl- (8CI9CI) 71 C4H9N
5. Butanoic acid, 2-methylpropyl ester (9CI) 144 C8H16O2
6. Propanoic acid, 2-methyl-, 1-methylbutyl ester (9CI) 158 C9H18O2

Sample file: >A7138 Spectrum #: 661
Search speed: 1 Tilting option: N No. of ion ranges searched: 40

| | Prob. | CAS # | CON # | ROOT | K | DK | #FLG | TILT | % | CON | C_I | R_IV |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1. | 52* | 97858 | 7436 | NBS43K | 34 | 62 | 3 | 0 | 100 | 20 | 20 | 13 |
| 2. | 38* | 22058715 | 3966 | NBS43K | 31 | 57 | 2 | 0 | 80 | 30 | 14 | 15 |
| 3. | 36 | 74367310 | 7549 | NBS43K | 74 | 53 | 3 | 0 | 77 | 27 | 14 | 13 |
| 4. | 25* | 4923799 | 3923 | NBS43K | 29 | 72 | 2 | 0 | 158 | 47 | 7 | 14 |
| 5. | 20* | 539902 | 4003 | NBS43K | 24 | 77 | 2 | 0 | 83 | 51 | 5 | 14 |
| 6. | 15* | [illegible] | 4033 | NBS43K | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] |

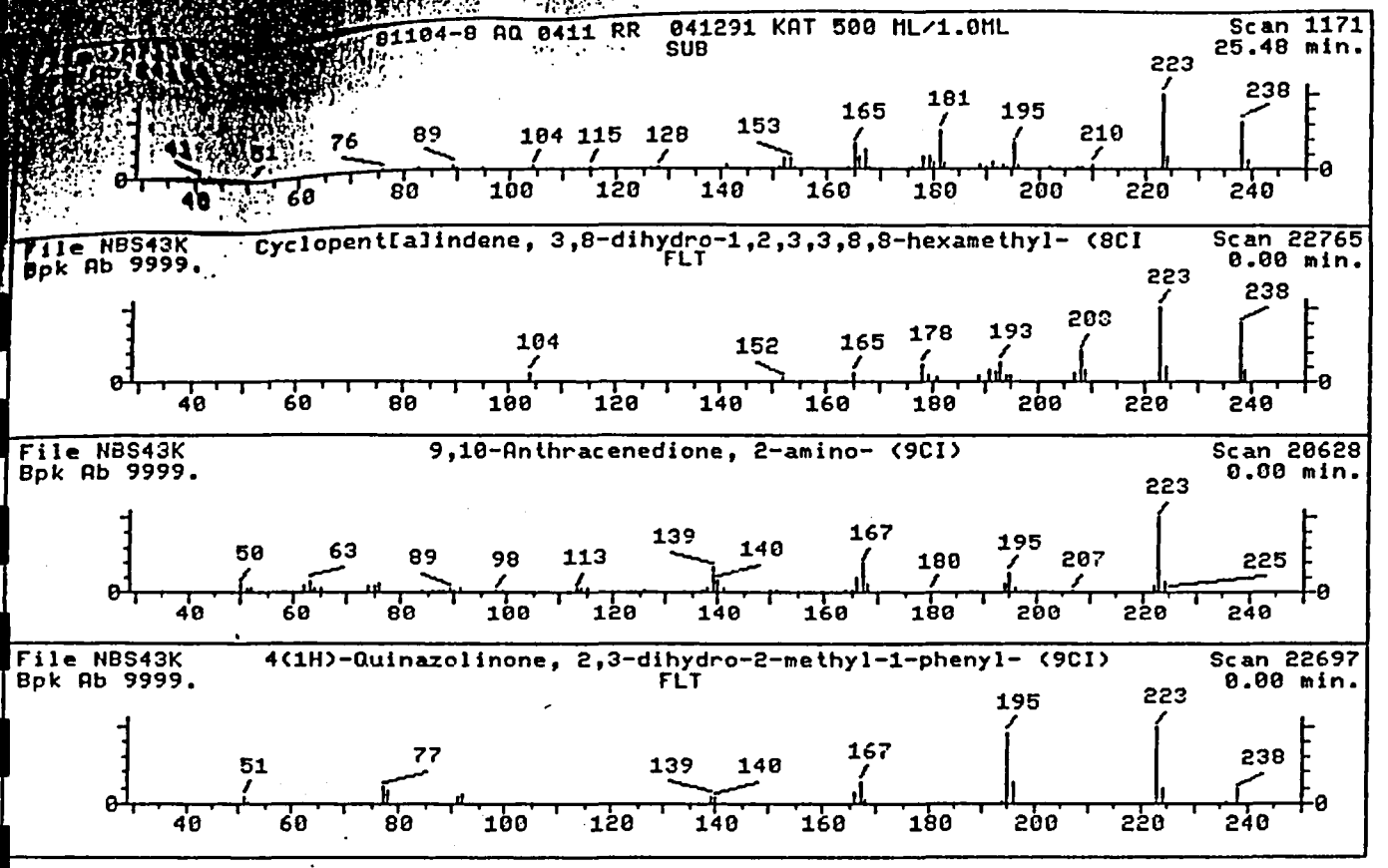



UNKNOWN #,20
AREA = 87733.00 TENTATIVE CONCENTRATION IS 9.00

1. Butyric acid, ester with p-hydroxybenzonitrile (8CI) 189 C11H11NO2
2. Propanoic acid, 2-methyl-, 1-(1,1-dimethylethyl)-2-m 286 C16H30O4
   ethyl-1,3-propanediy
3. Butanoic acid, 2-propenyl ester (9CI) 128 C7H12O2
4. Butenol, methyl- (9CI) 86 C5H10O
5. Propanoic acid, 2-methyl-, 1-methylbutyl ester (9CI) 158 C9H18O2
6. Methylamine, N-(1-methylhexylidene)- (8CI) 127 C8H17N

Sample file: >A7138 Spectrum #: 840
Search speed: 1 Tilting option: N No. of ion ranges searched: 43

| | Prob. | CAS # | CON # | ROOT | K | DK | #FLG | TILT | % | CON | C_I | R_IV |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1. | 52* | 29052106 | 4071 | NBS43K | 45 | 48 | 2 | 0 | 82 | 21 | 22 | 24 |
| 2. | 48 | 74381401 | 4107 | NBS43K | 69 | 38 | 2 | 0 | 100 | 21 | 17 | 19 |
| 3. | 46* | 2051787 | 3967 | NBS43K | 35 | 51 | 2 | 0 | 72 | 21 | 17 | 17 |
| 4. | 44* | 60766009 | 3928 | NBS43K | 35 | 60 | 2 | 0 | 79 | 21 | 17 | 15 |
| 5. | 44* | 54340931 | 4033 | NBS43K | 30 | 55 | 2 | 0 | 92 | 21 | 17 | 15 |
| 6. | 44* | 22058715 | 3946 | NBS43K | 31 | 57 | 2 | 0 | 100 | 21 | 17 | 15 |




UNKNOWN #,21

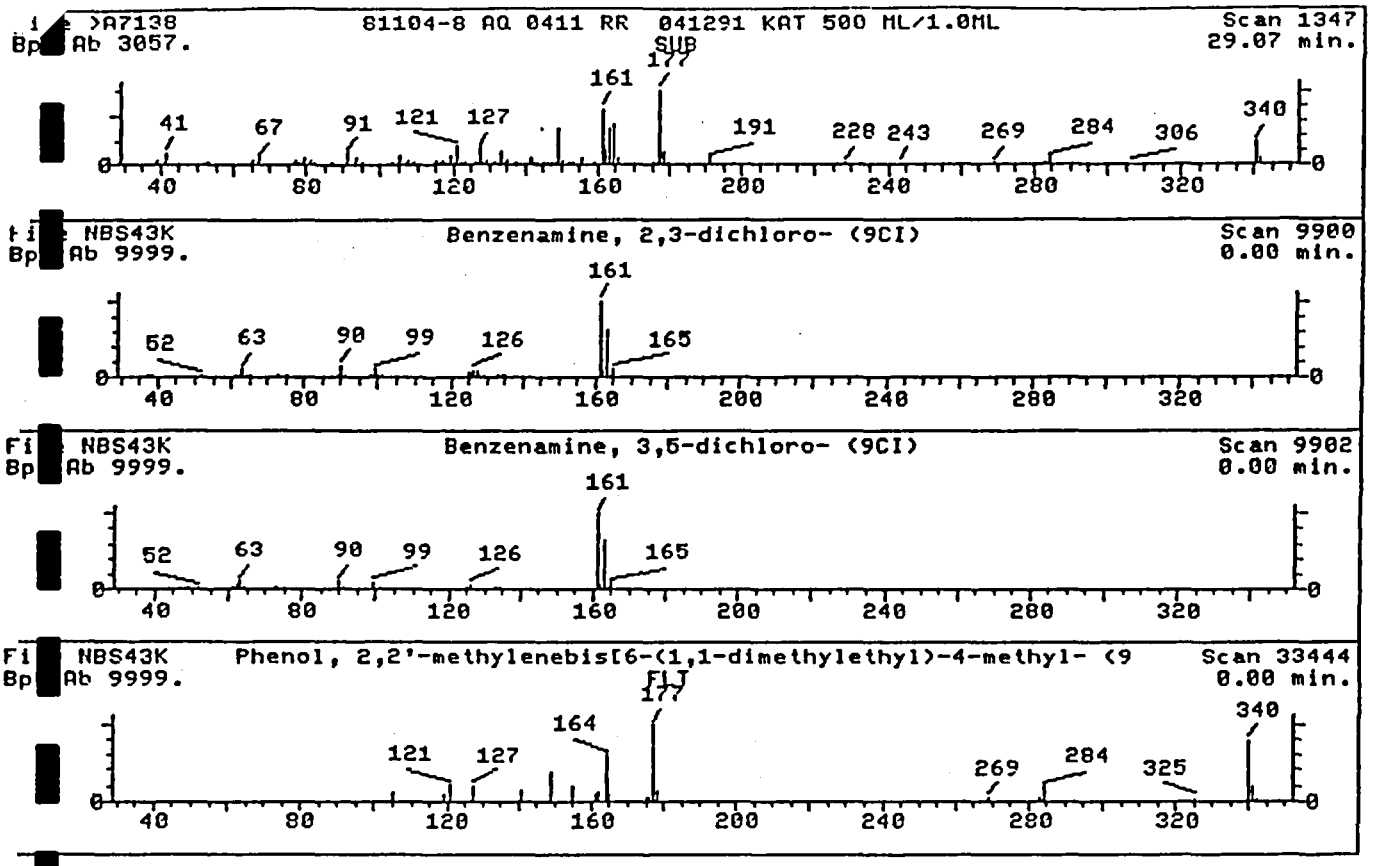
AREA = 330810.0 TENTATIVE CONCENTRATION IS 31.00

| | | | |
|---|---|---|---|
| 1. | Cyclopent[a]indene, 3,8-dihydro-1,2,3,3,8,8-hexamethyl- (8CI) | 238 | C18H22 |
| 2. | 9,10-Anthracenedione, 2-amino- (9CI) | 223 | C14H9NO2 |
| 3. | 4(1H)-Quinazolinone, 2,3-dihydro-2-methyl-1-phenyl- (9CI) | 238 | C15H14N2O |
| 4. | Benzene, 1,1'-ethylidenebis[4-ethyl- (9CI) | 238 | C18H22 |
| 5. | Benzene, 2-chloro-1,3,5-tris(1-methylethyl)- (9CI) | 238 | C15H23Cl |
| 6. | Benzeneacetic acid, 2-methoxy-, trimethylsilyl ester (9CI) | 238 | C12H18O3Si |

Sample file: >A7138 Spectrum #: 1171

Search speed: 1 Tilting option: N No. of ion ranges searched: 43

| | Prob. | CAS # | CON # | ROOT | K | DK | #FLG | TILT | % | CON | C_I | R_IV |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1. | 33* | 17384724 | 29113 | NBS43K | 47 | 112 | 2 | 0 | 70 | 39 | 10 | 19 |
| 2. | 28* | 117793 | 27739 | NBS43K | 53 | 91 | 3 | 0 | 100 | 43 | 8 | 16 |
| 3. | 26* | 36384017 | 27762 | NBS43K | 22 | 109 | 3 | 0 | 100 | 39 | 10 | 12 |
| 4. | 25* | 10224916 | 27766 | NBS43K | 40 | 99 | 3 | 0 | 100 | 45 | 8 | 13 |
| 5. | 24* | 55538620 | 27763 | NBS43K | 23 | 110 | 3 | 0 | 100 | 45 | 8 | 12 |
| 6. | 20* | 55590711 | 29052 | NBS43K | 26 | 104 | 3 | 0 | 265 | 52 | 5 | 13 |

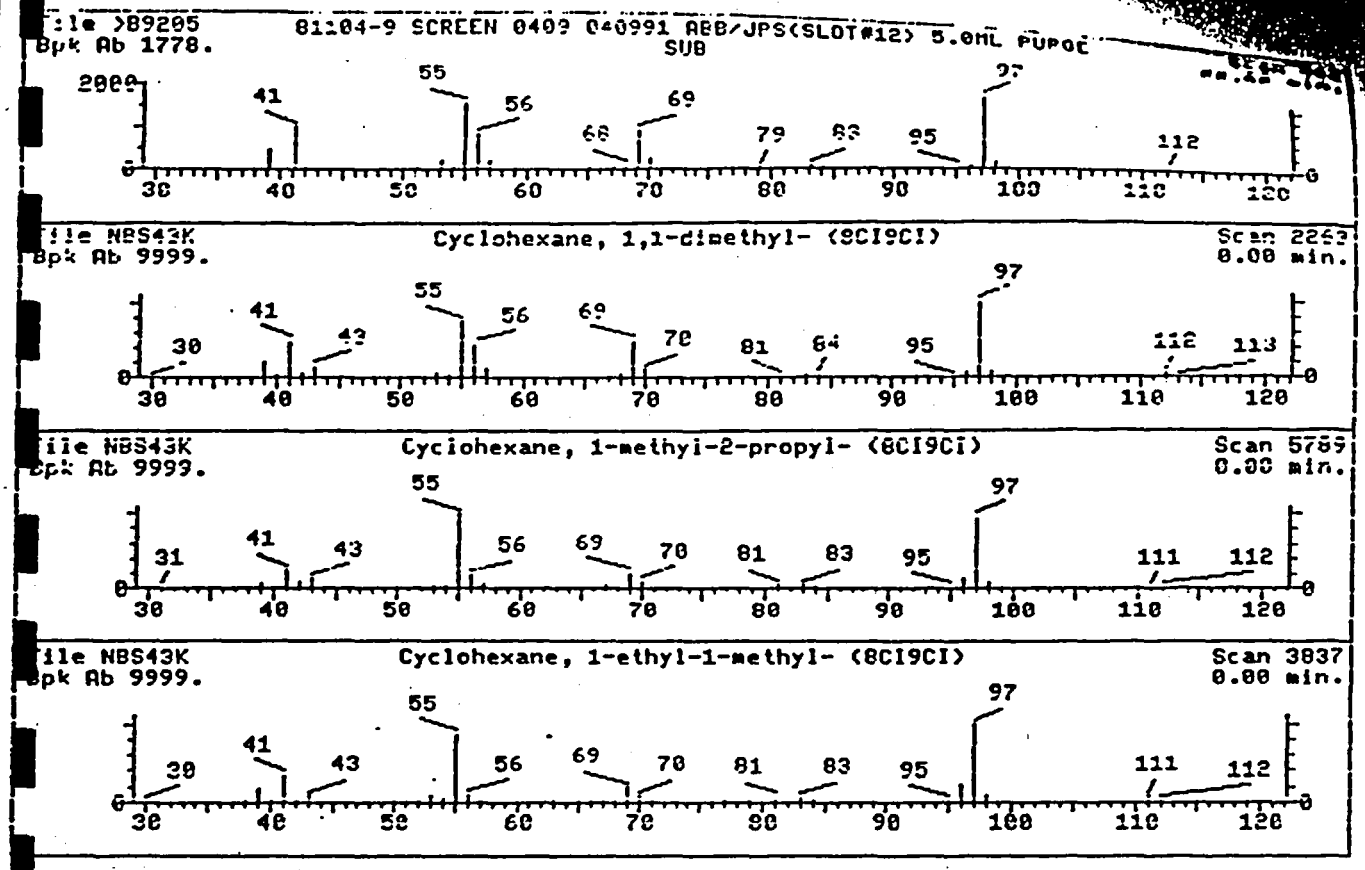



UNKNOWN #,22
AREA = 113901.0 TENTATIVE CONCENTRATION IS 11.00

1. Benzenamine, 2,3-dichloro- (9CI) 161 C6H5Cl2N
2. Benzenamine, 3,5-dichloro- (9CI) 161 C6H5Cl2N
3. Phenol, 2,2'-methylenebis[6-(1,1-dimethylethyl)-4-me 340 C23H32O2
thyl- (9CI)
4. Benzenamine, 2,4-dichloro- (9CI) 161 C6H5Cl2N
5. Benzenamine, 3,4-dichloro- (9CI) 161 C6H5Cl2N

Sample file: >A7138 Spectrum #: 1347
Search speed: 1 Tilting option: N No. of ion ranges searched: 43

| | Prob. | CAS # | CON # | ROOT | K | DK | #FLG | TILT | % | CON | C_I | R_IV |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1. | 15* | 608275 | 19262 | NBS43K | 31 | 74 | 3 | 0 | 75 | 57 | 3 | 13 |
| 2. | 15* | 626437 | 19264 | NBS43K | 24 | 72 | 3 | 0 | 75 | 57 | 3 | 12 |
| 3. | 15* | 119471 | 37040 | NBS43K | 44 | 99 | 0 | 0 | 39 | 64 | 3 | 49 |
| 4. | 15* | 554007 | 19261 | NBS43K | 31 | 88 | 3 | 0 | 75 | 57 | 3 | 13 |
| 5. | 15* | 95761 | 19259 | NBS43K | 25 | 93 | 3 | 0 | 75 | 57 | 3 | 13 |

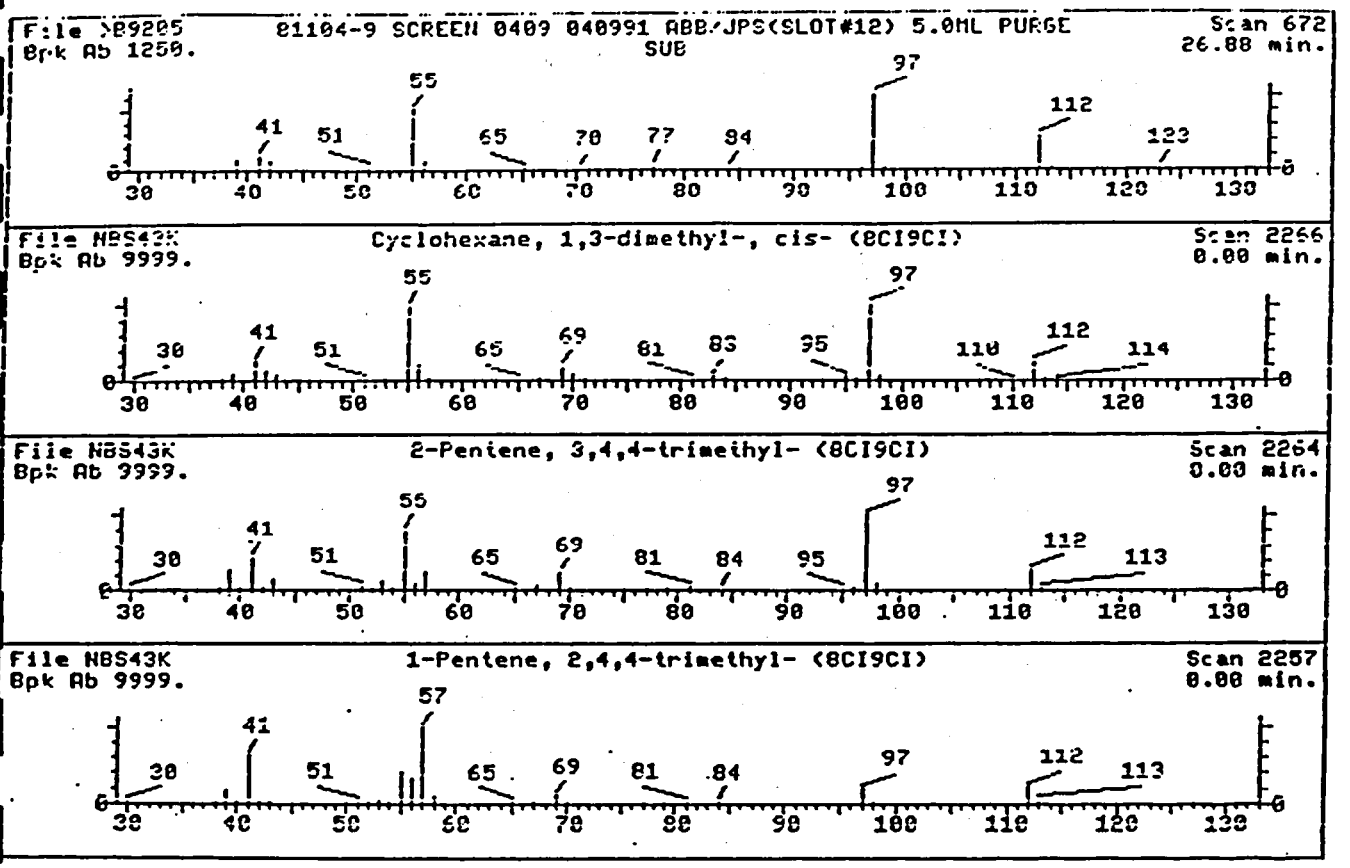



UNKNOWN #,1
AREA = 193084.0 TENTATIVE CONCENTRATION IS 13.00

| | | |
|---|---|---|
| 1. Cyclohexane, 1,1-dimethyl- (8CI9CI) | 112 | C8H16 |
| 2. Cyclohexane, 1-methyl-2-propyl- (8CI9CI) | 140 | C10H20 |
| 3. Cyclohexane, 1-ethyl-1-methyl- (8CI9CI) | 126 | C9H18 |
| 4. 1H-1,2,4-Triazole, 1-ethyl- (8CI9CI) | 97 | C4H7N3 |
| 5. 1-Hexene, 3-methyl- (8CI9CI) | 98 | C7H14 |
| 6. Cyclohexane, 1-bromo-3-methyl- (8CI9CI) | 176 | C7H13Br |

Sample file: >B9205 Spectrum #: 562
Search speed: 1 Tilting option: N No. of ion ranges searched: 43

| | Prob. | CAS # | LUN # | RUDI | K | DK | #FLG | TILT | % | CON | L_I | R_IV |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1. | 95* | 590669 | 8349 | NBS43K | 83 | 15 | 0 | 0 | 88 | 0 | 72 | 95 |
| 2. | 52 | 4291796 | 8399 | NBS43K | 47 | 42 | 2 | 0 | 88 | 17 | 20 | 16 |
| 3. | 43 | 4926903 | 8379 | NBS43K | 47 | 44 | 2 | 0 | 100 | 24 | 17 | 14 |
| 4. | 42* | 16778204 | 8319 | NBS43K | 29 | 67 | 3 | 0 | 83 | 25 | 17 | 13 |
| 5. | 40* | 3404613 | 3563 | NBS43K | 63 | 44 | 2 | 0 | 65 | 47 | 12 | 41 |
| 6. | 36 | 13905481 | 8484 | NBS43K | 39 | 42 | 2 | 0 | 100 | 26 | 14 | 13 |




UNKNOWN #,2

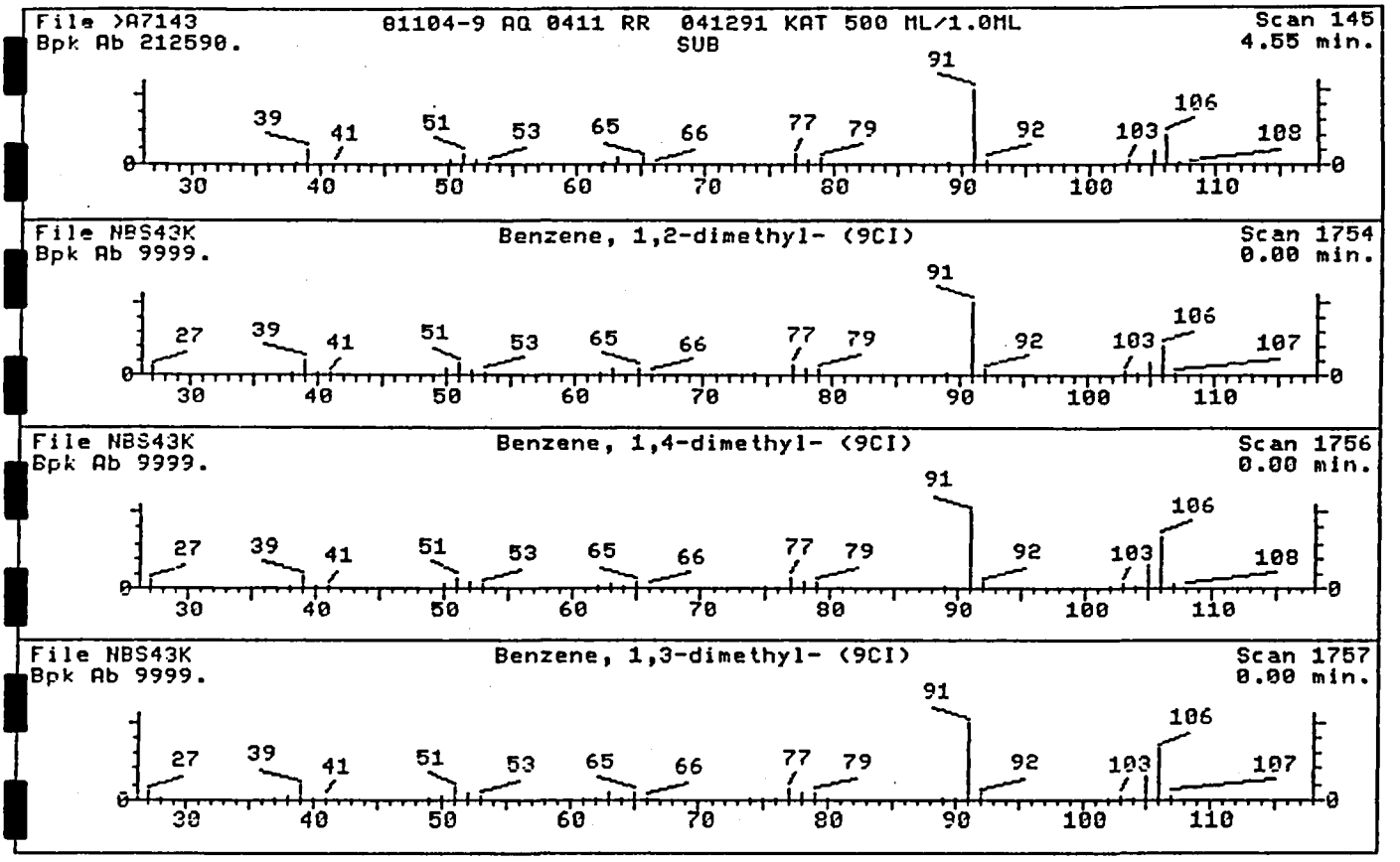
AREA = 137217.0 TENTATIVE CONCENTRATION IS 10.00

1. Cyclohexane, 1,3-dimethyl-, cis- (8CI9CI) 112 C8H16
2. 2-Pentene, 3,4,4-trimethyl- (8CI9CI) 112 C8H16
3. 1-Pentene, 2,4,4-trimethyl- (8CI9CI) 112 C8H16
4. 1H-1,3-Diazepine, 4,5,6,7-tetrahydro-2-methyl- (8CI) 112 C6H12N2
5. 1H-Pyrazole, 4,5-dihydro-3,4,5-trimethyl- (9CI) 112 C6H12N2
6. Oxazole, 2,4-dimethyl- (8CI9CI) 97 C5H7NO

Sample file: NB9205 Spectrum #: 672

Search speed: 1 Tilting option: N No. of ion ranges searched: 43

| | Prob. | CAS # | CON # | RLOT | K | DK | #PLG | TILT | % | CON | C_I | R_IV |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1. | 60* | 638040 | 8352 | NBS43K | 28 | 66 | 3 | 0 | 84 | 11 | 30 | 13 |
| 2. | 60* | 598969 | 8350 | NBS43K | 26 | 69 | 3 | 0 | 100 | 13 | 30 | 13 |
| 3. | 35* | 107391 | 10983 | NBS43K | 23 | 65 | 3 | 0 | 203 | 30 | 14 | 12 |
| 4. | [illegible] | 18235688 | 10941 | NBS43K | 28 | 43 | 3 | 0 | 71 | 40 | 10 | 13 |
| 5. | 25* | 22591953 | 8330 | NBS43K | 22 | 75 | 3 | 0 | 100 | 36 | 10 | 12 |
| 6. | [illegible] | [illegible] | 8322 | NBS43K | 26 | 61 | 3 | 0 | 100 | 48 | 7 | 13 |



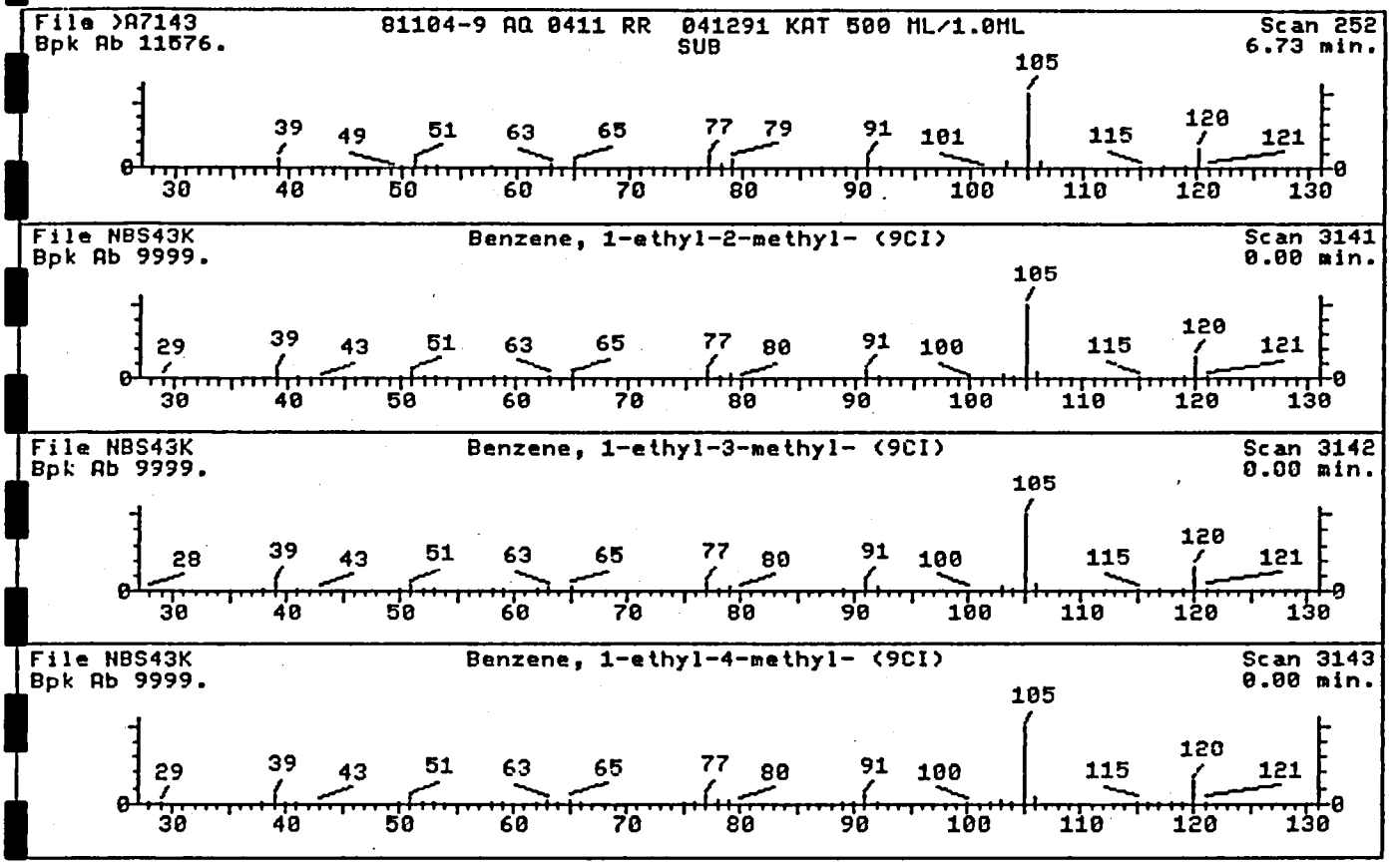

OLR

UNKNOWN #,1
AREA = 2574821. TENTATIVE CONCENTRATION IS 480.00

1. Benzene, 1,2-dimethyl- (9CI) 106 C8H10
2. Benzene, 1,4-dimethyl- (9CI) 106 C8H10
3. Benzene, 1,3-dimethyl- (9CI) 106 C8H10
4. Benzene, ethyl- (8CI9CI) 106 C8H10
5. Cyclopentene, 1-ethenyl-3-methylene- (9CI) 106 C8H10
6. 1,3-Cyclopentadiene, 5-(1-methylethylidene)- (9CI) 106 C8H10

Sample file: >A7143 Spectrum #: 145
Search speed: 1 Tilting option: N No. of ion ranges searched: 40

| | Prob. | CAS # | CON # | ROOT | K | DK | #FLG | TILT | % | CON | C_I | R_IV |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1. | 94* | 95476 | 10058 | NBS43K | 79 | 13 | 1 | 0 | 81 | 6 | 68 | 93 |
| 2. | 87* | 106423 | 10060 | NBS43K | 70 | 23 | 0 | 0 | 60 | 31 | 40 | 89 |
| 3. | 84* | 108383 | 10061 | NBS43K | 69 | 23 | 0 | 0 | 63 | 31 | 40 | 86 |
| 4. | 83* | 100414 | 10059 | NBS43K | 63 | 21 | 2 | 0 | 100 | 7 | 54 | 50 |
| 5. | 52* | 61142072 | 10063 | NBS43K | 59 | 46 | 2 | 0 | 50 | 33 | 20 | 36 |
| 6. | 43* | 2175919 | 10062 | NBS43K | 46 | 42 | 2 | 0 | 39 | 34 | 16 | 26 |

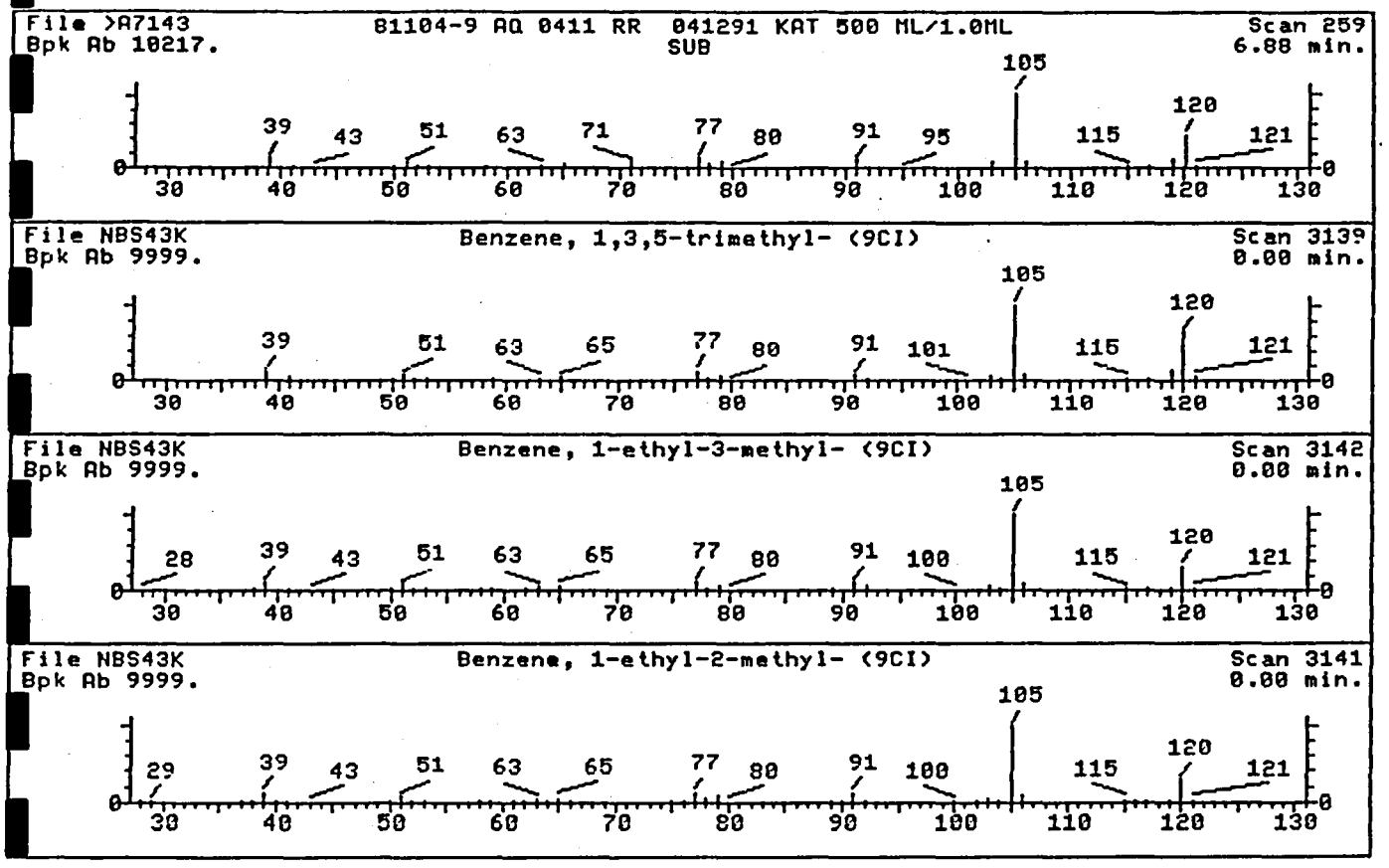



UNKNOWN #,2
AREA = 102887.0 TENTATIVE CONCENTRATION IS 19.00

| | | | |
|---|---|---|---|
| 1. | Benzene, 1-ethyl-2-methyl- (9CI) | 120 | C9H12 |
| 2. | Benzene, 1-ethyl-3-methyl- (9CI) | 120 | C9H12 |
| 3. | Benzene, 1-ethyl-4-methyl- (9CI) | 120 | C9H12 |
| 4. | Benzene, (1-methylethyl)- (9CI) | 120 | C9H12 |
| 5. | Benzene, 1,1'-(1-methyl-1,2-ethanediyl)bis- (9CI) | 196 | C15H16 |
| 6. | Benzene, 1,3,5-trimethyl- (9CI) | 120 | C9H12 |

Sample file: >A7143 Spectrum #: 252
Search speed: 1 Tilting option: N No. of ion ranges searched: 41

| | Prob. | CAS # | CON # | ROOT | K | DK | #FLG | TILT | % | CON | C_I | R_IV |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1. | 94* | 611143 | 12450 | NBS43K | 73 | 12 | 1 | 0 | 83 | 3 | 72 | 92 |
| 2. | 89* | 620144 | 12451 | NBS43K | 64 | 23 | 1 | 0 | 76 | 3 | 66 | 67 |
| 3. | 89* | 622968 | 12452 | NBS43K | 62 | 23 | 1 | 0 | 86 | 5 | 66 | 67 |
| 4. | 86* | 98828 | 12446 | NBS43K | 66 | 21 | 1 | 0 | 89 | 10 | 59 | 72 |
| 5. | 58 | 5814857 | 10010 | NBS43K | 71 | 28 | 2 | 0 | 100 | 19 | 25 | 26 |
| 6. | 52 | 108678 | 12448 | NBS43K | 49 | 39 | 3 | 0 | 100 | 17 | 20 | 12 |



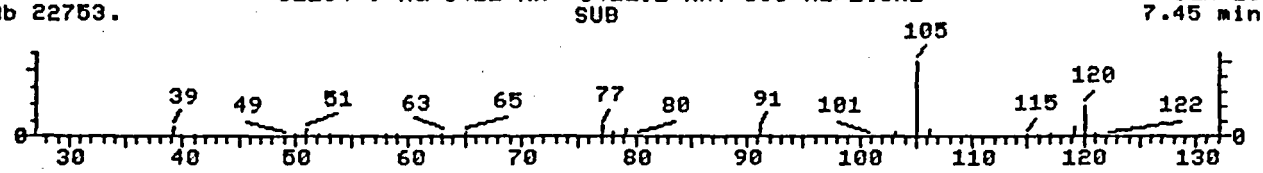

UNKNOWN #,3
AREA = 113652.0 TENTATIVE CONCENTRATION IS 21.00

1. Benzene, 1,3,5-trimethyl- (9CI) 120 C9H12
2. Benzene, 1-ethyl-3-methyl- (9CI) 120 C9H12
3. Benzene, 1-ethyl-2-methyl- (9CI) 120 C9H12
4. Benzene, 1-ethyl-4-methyl- (9CI) 120 C9H12
5. 1,3-Cyclopentadiene, 5-(1-methylpropylidene)- (9CI) 120 C9H12
6. Benzene, 1,2,4-trimethyl- (8CI9CI) 120 C9H12

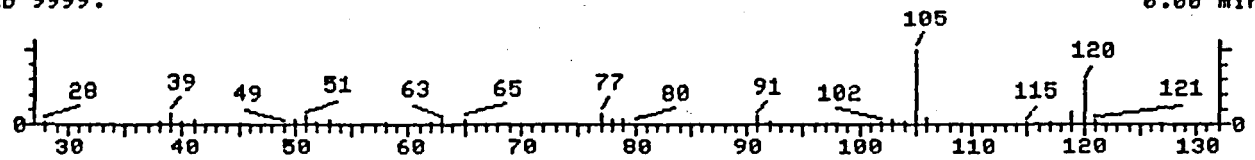
Sample file: >A7143 Spectrum #: 259
Search speed: 1 Tilting option: N No. of ion ranges searched: 41

| | Prob. | CAS # | CON # | ROOT | K | DK | #FLG | TILT | % | CON | C_I | R_IV |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1. | 84* | 108678 | 12448 | NBS43K | 72 | 16 | 2 | 0 | 68 | 6 | 55 | 66 |
| 2. | 84* | 620144 | 12451 | NBS43K | 70 | 17 | 2 | 0 | 100 | 9 | 55 | 61 |
| 3. | 79* | 611143 | 12450 | NBS43K | 70 | 15 | 2 | 0 | 100 | 11 | 43 | 61 |
| 4. | 76* | 622968 | 12452 | NBS43K | 64 | 21 | 1 | 0 | 86 | 23 | 41 | 72 |
| 5. | 70* | 3141024 | 12454 | NBS43K | 40 | 64 | 3 | 0 | 71 | 6 | 42 | 13 |
| 6. | 69* | 95636 | 12445 | NBS43K | 67 | 28 | 1 | 0 | 65 | 31 | 26 | 66 |

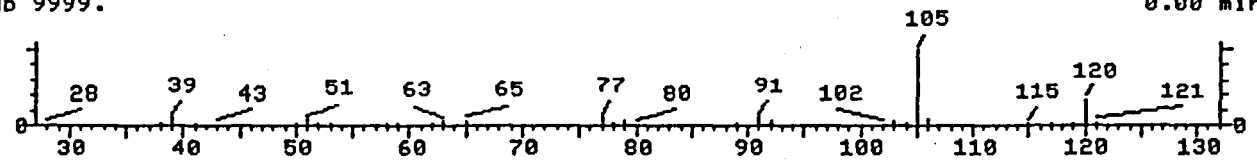
File >A7143 81104-9 AQ 0411 RR 041291 KAT 500 ML/1.0ML Scan 287
Bpk Ab 22753. SUB 7.45 min.



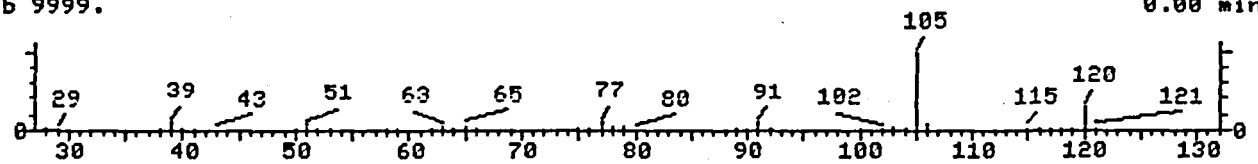

File NBS43K Benzene, 1,2,4-trimethyl- (8CI9CI) Scan 3136
Bpk Ab 9999. 0.00 min.




File NBS43K Benzene, 1-ethyl-3-methyl- (9CI) Scan 3142
Bpk Ab 9999. 0.00 min.




File NBS43K Benzene, 1-ethyl-4-methyl- (9CI) Scan 3143
Bpk Ab 9999. 0.00 min.

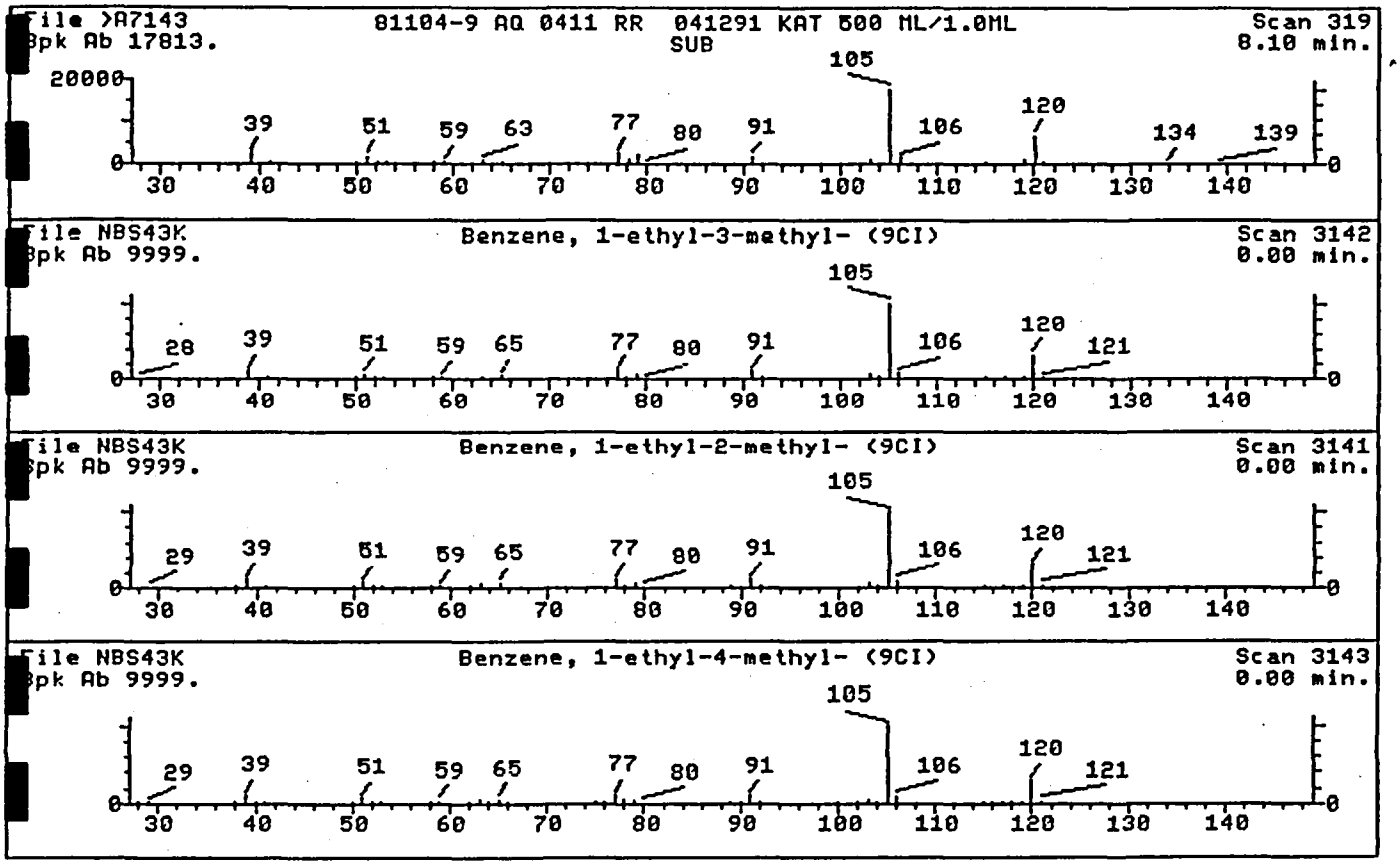



. UNKNOWN #,4
AREA = 205931.0 TENTATIVE CONCENTRATION IS 38.00

| | | | |
|---|---|---|---|
| 1. | Benzene, 1,2,4-trimethyl- (8CI9CI) | 120 | C9H12 |
| 2. | Benzene, 1-ethyl-3-methyl- (9CI) | 120 | C9H12 |
| 3. | Benzene, 1-ethyl-4-methyl- (9CI) | 120 | C9H12 |
| 4. | Benzene, 1-ethyl-2-methyl- (9CI) | 120 | C9H12 |
| 5. | Benzene, 1,2,3-trimethyl- (8CI9CI) | 120 | C9H12 |
| 6. | Benzene, (1-methylethyl)- (9CI) | 120 | C9H12 |

Sample file: >A7143 Spectrum #: 287
Search speed: 1 Tilting option: N No. of ion ranges searched: 41

| | Prob. | CAS # | CON # | ROOT | K | DK | #FLG | TILT | % | CON | C_I | R_IV |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1. | 89* | 95636 | 12445 | NBS43K | 80 | 15 | 1 | 0 | 69 | 6 | 62 | 89 |
| 2. | 84* | 620144 | 12451 | NBS43K | 70 | 17 | 2 | 0 | 100 | 10 | 55 | 61 |
| 3. | 83* | 622968 | 12452 | NBS43K | 67 | 18 | 1 | 0 | 97 | 12 | 51 | 77 |
| 4. | 79* | 611143 | 12450 | NBS43K | 70 | 15 | 2 | 0 | 100 | 12 | 43 | 61 |
| 5. | 71* | 526738 | 12449 | NBS43K | 74 | 26 | 1 | 0 | 60 | 31 | 32 | 72 |
| 6. | 68* | 98828 | 12446 | NBS43K | 57 | 30 | 1 | 0 | 85 | 25 | 30 | 55 |

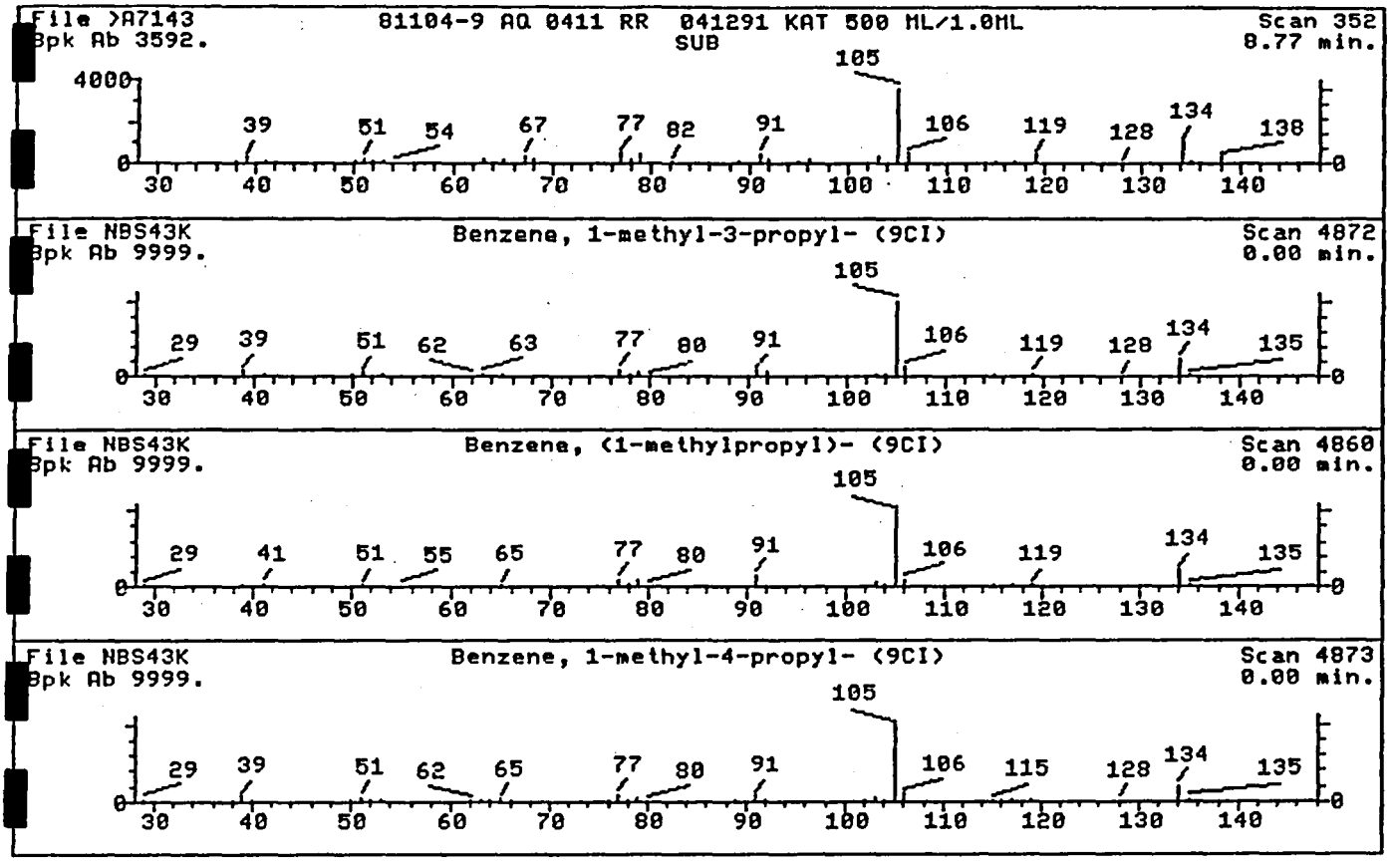



UNKNOWN #,5
AREA = 210763.0 TENTATIVE CONCENTRATION IS 39.00

1. Benzene, 1-ethyl-3-methyl- (9CI) 120 C9H12
2. Benzene, 1-ethyl-2-methyl- (9CI) 120 C9H12
3. Benzene, 1-ethyl-4-methyl- (9CI) 120 C9H12
4. Benzene, 1,2,4-trimethyl- (8CI9CI) 120 C9H12
5. Benzene, 1,2,3-trimethyl- (8CI9CI) 120 C9H12
6. Benzene, (1-methylethyl)- (9CI) 120 C9H12

Sample file: >A7143 Spectrum #: 319
Search speed: 1 Tilting option: N No. of ion ranges searched: 41

| | Prob. | CAS # | CON # | ROOT | K | DK | #FLG | TILT | % | CON | C_I | R_IV |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1. | 88* | 620144 | 12451 | NBS43K | 64 | 23 | 2 | 0 | 92 | 4 | 65 | 53 |
| 2. | 83* | 611143 | 12450 | NBS43K | 63 | 22 | 2 | 0 | 91 | 6 | 54 | 50 |
| 3. | 83* | 622968 | 12452 | NBS43K | 63 | 22 | 2 | 0 | 100 | 6 | 54 | 50 |
| 4. | 83* | 95636 | 12445 | NBS43K | 67 | 28 | 2 | 0 | 69 | 7 | 54 | 50 |
| 5. | 74* | 526738 | 12449 | NBS43K | 74 | 26 | 1 | 0 | 60 | 27 | 37 | 72 |
| 6. | 68* | 98828 | 12446 | NBS43K | 57 | 30 | 1 | 0 | 84 | 21 | 30 | 55 |

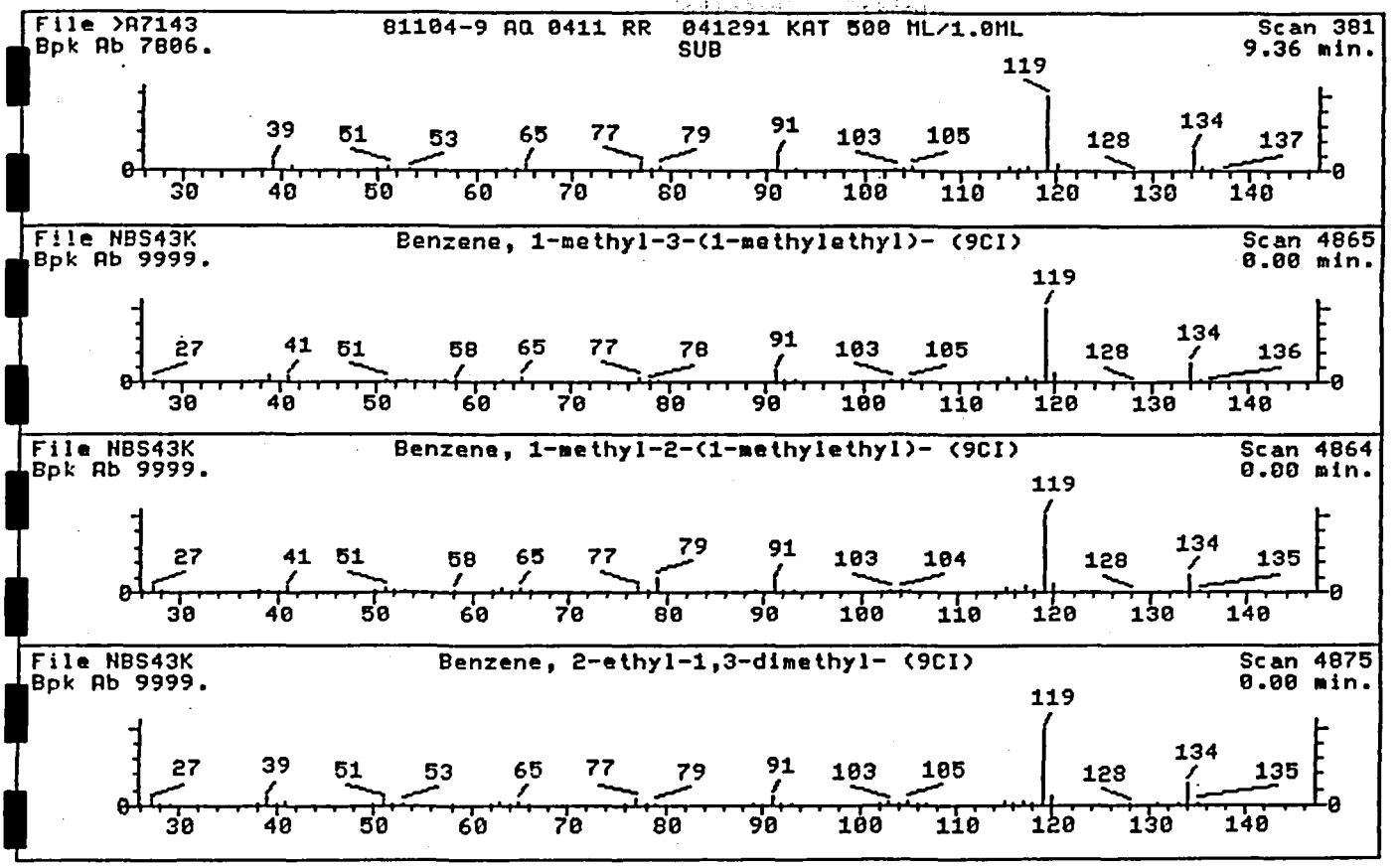



UNKNOWN #,6
AREA = 68013.00 TENTATIVE CONCENTRATION IS 13.00

| | | |
|---|---|---|
| 1. Benzene, 1-methyl-3-propyl- (9CI) | 134 | C10H14 |
| 2. Benzene, (1-methylpropyl)- (9CI) | 134 | C10H14 |
| 3. Benzene, 1-methyl-4-propyl- (9CI) | 134 | C10H14 |
| 4. Benzene, 1-methyl-2-propyl- (9CI) | 134 | C10H14 |
| 5. Benzene, (1-methyl-3-butenyl)- (9CI) | 146 | C11H14 |
| 6. 2,4-Heptadien-6-ynal, (E,E)- (8CI9CI) | 106 | C7H6O |

Sample file: >A7143 Spectrum #: 352
Search speed: 1 Tilting option: N No. of ion ranges searched: 42

| | Prob. | CAS # | CON # | ROOT | K | DK | #FLG | TILT | % | CON | C_I | R_IV |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1. | 81* | 1074437 | 14693 | NBS43K | 66 | 21 | 1 | 0 | 100 | 17 | 45 | 72 |
| 2. | 63* | 135988 | 14687 | NBS43K | 53 | 30 | 2 | 0 | 100 | 17 | 30 | 36 |
| 3. | 58* | 1074551 | 14694 | NBS43K | 39 | 44 | 1 | 0 | 100 | 19 | 25 | 22 |
| 4. | 58* | 1074175 | 14692 | NBS43K | 42 | 41 | 1 | 0 | 100 | 19 | 25 | 24 |
| 5. | 40 | 10340495 | 9993 | NBS43K | 49 | 31 | 2 | 0 | 100 | 30 | 14 | 17 |
| 6. | 31* | 7200046 | 10057 | NBS43K | 25 | 63 | 2 | 0 | 69 | 33 | 12 | 14 |

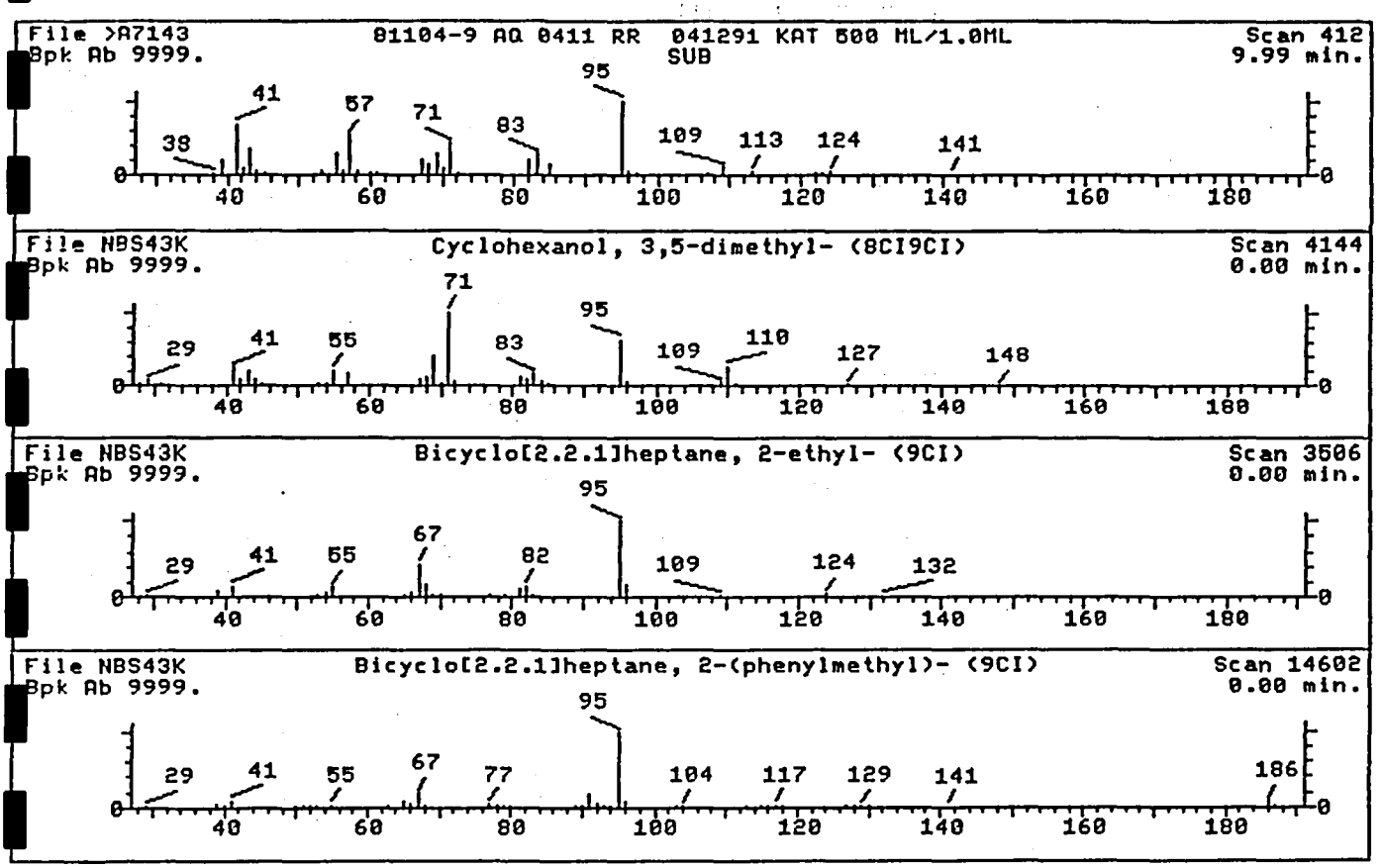



UNKNOWN #,7
AREA = 105190.0 TENTATIVE CONCENTRATION IS 19.00

1. Benzene, 1-methyl-3-(1-methylethyl)- (9CI) 134 C10H14
2. Benzene, 1-methyl-2-(1-methylethyl)- (9CI) 134 C10H14
3. Benzene, 2-ethyl-1,3-dimethyl- (9CI) 134 C10H14
4. Benzene, methyl(1-methylethyl)- (9CI) 134 C10H14
5. Benzene, 1-ethyl-2,4-dimethyl- (9CI) 134 C10H14
6. Benzene, 2-ethyl-1,4-dimethyl- (9CI) 134 C10H14

Sample file: >A7143 Spectrum #: 381
Search speed: 1 Tilting option: N No. of ion ranges searched: 40

| | Prob. | CAS # | CON # | ROOT | K | DK | #FLG | TILT | % | CON | C_I | R_IV |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1. | 95* | 535773 | 12310 | NBS43K | 79 | 10 | 1 | 0 | 90 | 7 | 68 | 95 |
| 2. | 84* | 527844 | 12309 | NBS43K | 74 | 18 | 2 | 0 | 100 | 7 | 55 | 67 |
| 3. | 84* | 2870044 | 12316 | NBS43K | 72 | 17 | 2 | 0 | 100 | 7 | 55 | 66 |
| 4. | 84* | 25155151 | 12318 | NBS43K | 63 | 27 | 1 | 0 | 77 | 9 | 55 | 60 |
| 5. | 83* | 874419 | 12311 | NBS43K | 66 | 22 | 2 | 0 | 100 | 7 | 54 | 56 |
| 6. | 81* | 1758889 | 12315 | NBS43K | 63 | 31 | 2 | 0 | 85 | 7 | 53 | 48 |

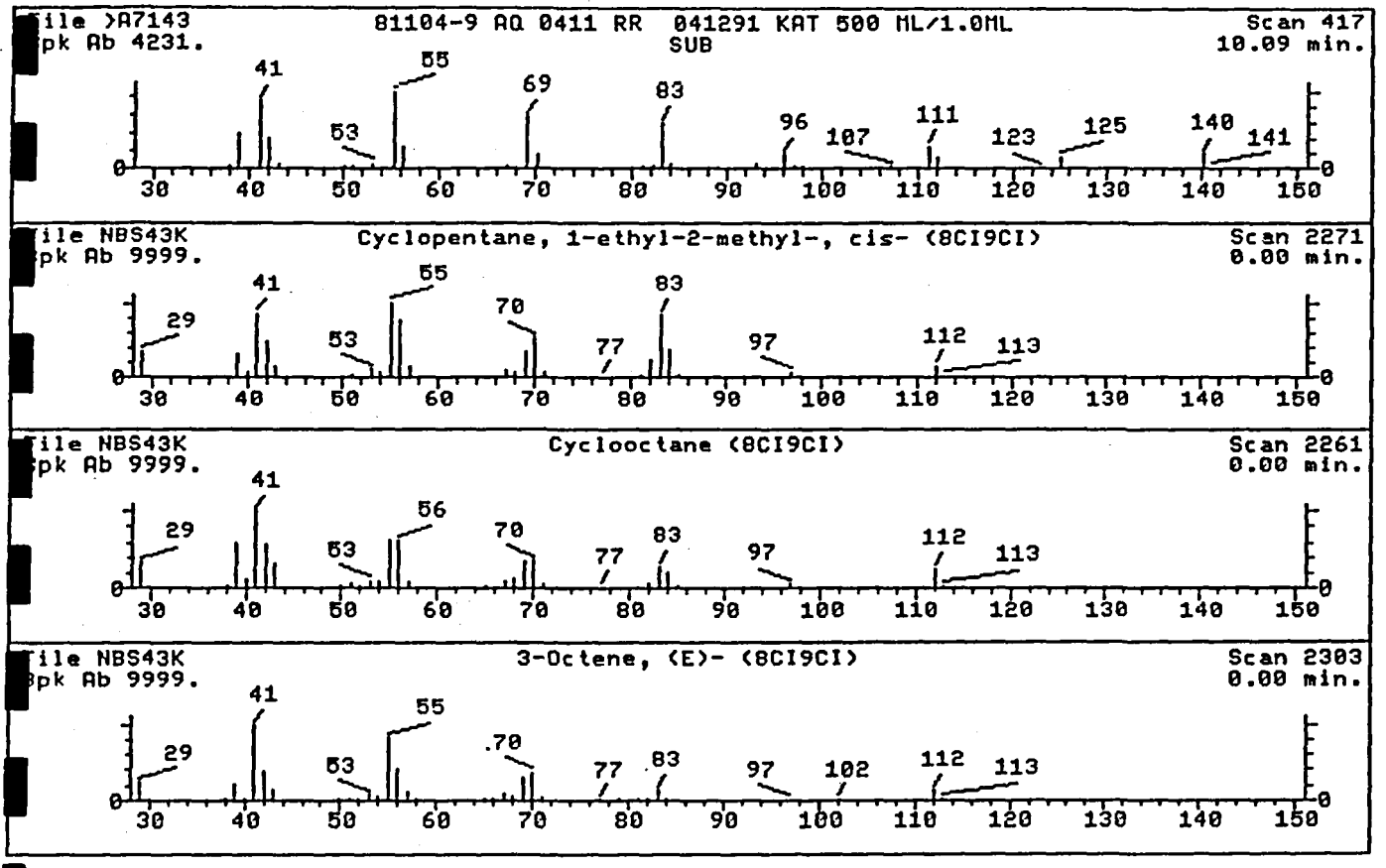



UNKNOWN #,8
AREA = 88096.00 TENTATIVE CONCENTRATION IS 11.00

1. Cyclohexanol, 3,5-dimethyl- (8CI9CI) 128 C8H16O
2. Bicyclo[2.2.1]heptane, 2-ethyl- (9CI) 124 C9H16
3. Bicyclo[2.2.1]heptane, 2-(phenylmethyl)- (9CI) 186 C14H18
4. Ether, methyl 1-octadecenyl (8CI) 282 C19H38O
5. Bicyclo[2.2.1]heptane, 2-(1,1-dimethyl-2-propenyl)- (9CI) 164 C12H20
6. Bicyclo[2.2.1]heptane, 2-(1-methylpropyl)- (9CI) 152 C11H20

Sample file: >A7143 Spectrum #: 412
Search speed: 1 Tilting option: N No. of ion ranges searched: 41

| | Prob. | CAS # | CON # | ROOT | K | DK | #FLG | TILT | % | CON | C_I | R_IV |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1. | 30* | 5441521 | 3972 | NBS43K | 37 | 65 | 3 | 0 | 160 | 31 | 12 | 13 |
| 2. | 25* | 2146410 | 8107 | NBS43K | 23 | 67 | 3 | 0 | 100 | 49 | 7 | 12 |
| 3. | 15 | 37794915 | 8167 | NBS43K | 46 | 49 | 1 | 0 | 82 | 59 | 3 | 14 |
| 4. | 15 | 26537064 | 4104 | NBS43K | 57 | 61 | 1 | 0 | 43 | 58 | 3 | 15 |
| 5. | 15* | 69219085 | 8151 | NBS43K | 32 | 50 | 2 | 0 | 84 | 59 | 3 | 16 |
| | | | | | | | | | 79 | 56 | 3 | 15 |

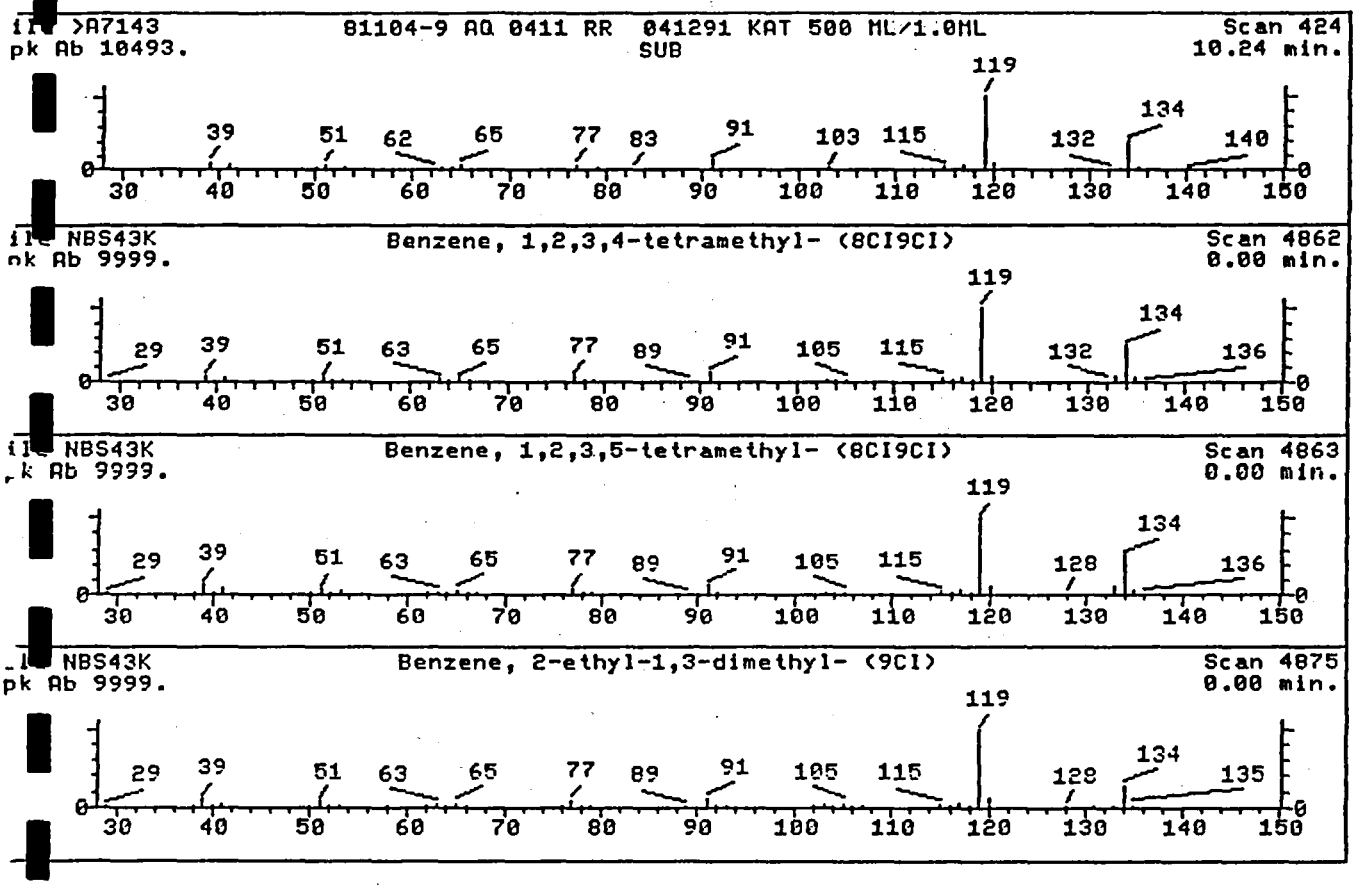



UNKNOWN #,9
AREA = 89132.00 TENTATIVE CONCENTRATION IS 11.00

| | | | |
|---|---|---|---|
| 1. | Cyclopentane, 1-ethyl-2-methyl-, cis- (8CI9CI) | 112 | C8H16 |
| 2. | Cyclooctane (8CI9CI) | 112 | C8H16 |
| 3. | 3-Octene, (E)- (8CI9CI) | 112 | C8H16 |
| 4. | Cyclopentane, 1,1,3,4-tetramethyl-, cis- (9CI) | 126 | C9H18 |
| 5. | 1,3-Cyclohexanedione, 4,4-dimethyl- (8CI9CI) | 140 | C8H12O2 |
| 6. | Cyclohexanone, 3,3,5-trimethyl- (8CI9CI) | 140 | C9H16O |

Sample file: >A7143 Spectrum #: 417
Search speed: 1 Tilting option: N No. of ion ranges searched: 43

| | Prob. | CAS # | CON # | ROOT | K | DK | #FLG | TILT | % | CON | C_I | R_IV |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1. | 26* | 930892 | 5678 | NBS43K | 51 | 64 | 3 | 0 | 70 | 42 | 8 | 14 |
| 2. | 20* | 292648 | 10985 | NBS43K | 37 | 57 | 2 | 0 | 48 | 53 | 5 | 17 |
| 3. | 20* | 14919018 | 10998 | NBS43K | 34 | 65 | 3 | 0 | 87 | 53 | 5 | 13 |
| 4. | 20* | 53907601 | 10810 | NBS43K | 27 | 81 | 3 | 0 | 60 | 54 | 5 | 13 |
| 5. | 20* | 562469 | 16056 | NBS43K | 23 | 79 | 2 | 0 | 34 | 51 | 5 | 13 |
| 6. | 20* | 873949 | 5707 | NBS43K | 23 | 79 | 1 | 0 | 59 | 54 | 5 | 14 |

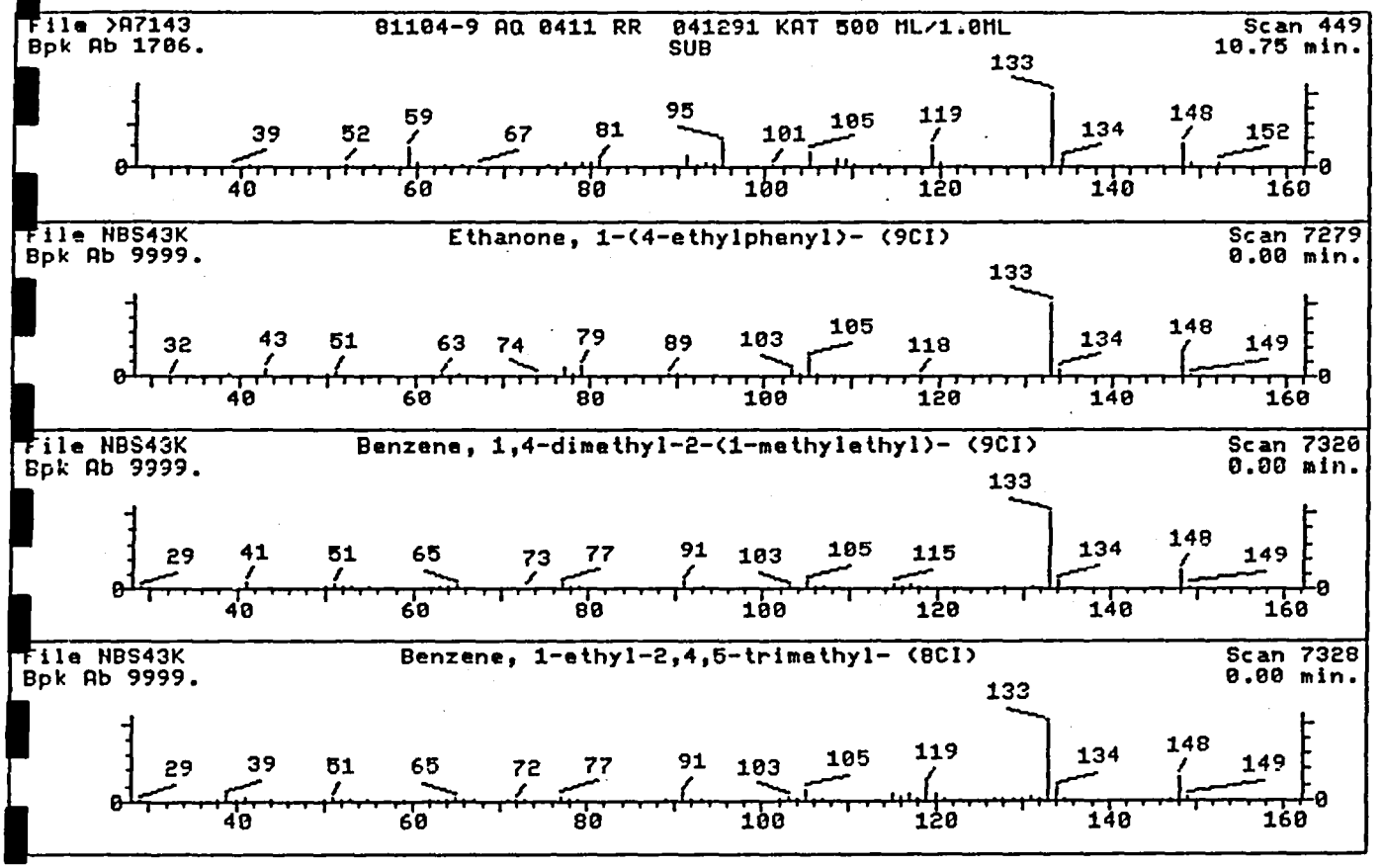



UNKNOWN #,10
AREA = 94058.00 TENTATIVE CONCENTRATION IS 12.00

1. Benzene, 1,2,3,4-tetramethyl- (8CI9CI) 134 C10H14
2. Benzene, 1,2,3,5-tetramethyl- (8CI9CI) 134 C10H14
3. Benzene, 2-ethyl-1,3-dimethyl- (9CI) 134 C10H14
4. Benzene, 1,2,4,5-tetramethyl- (8CI9CI) 134 C10H14
5. Benzene, 1-ethyl-2,3-dimethyl- (9CI) 134 C10H14
6. Benzene, 2-ethyl-1,4-dimethyl- (9CI) 134 C10H14

Sample file: >A7143 Spectrum #: 424
Search speed: 1 Tilting option: N No. of ion ranges searched: 42

| | Prob. | CAS # | CON # | ROOT | K | DK | #FLG | TILT | % | CON | C_I | R_IV |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1. | 87* | 488233 | 14689 | NBS43K | 65 | 29 | 3 | 0 | 80 | 1 | 63 | 42 |
| 2. | 86* | 527537 | 14690 | NBS43K | 57 | 36 | 3 | 0 | 75 | 1 | 60 | 30 |
| 3. | 83* | 2870044 | 12316 | NBS43K | 48 | 41 | 2 | 0 | 97 | 3 | 57 | 28 |
| 4. | 79* | 95932 | 14683 | NBS43K | 56 | 46 | 2 | 0 | 74 | 6 | 48 | 33 |
| 5. | 78* | 933982 | 12312 | NBS43K | 45 | 46 | 3 | 0 | 100 | 3 | 55 | 18 |
| 6. | 78* | 1758889 | 12315 | NBS43K | 41 | 53 | 3 | 0 | 100 | 3 | 55 | 14 |

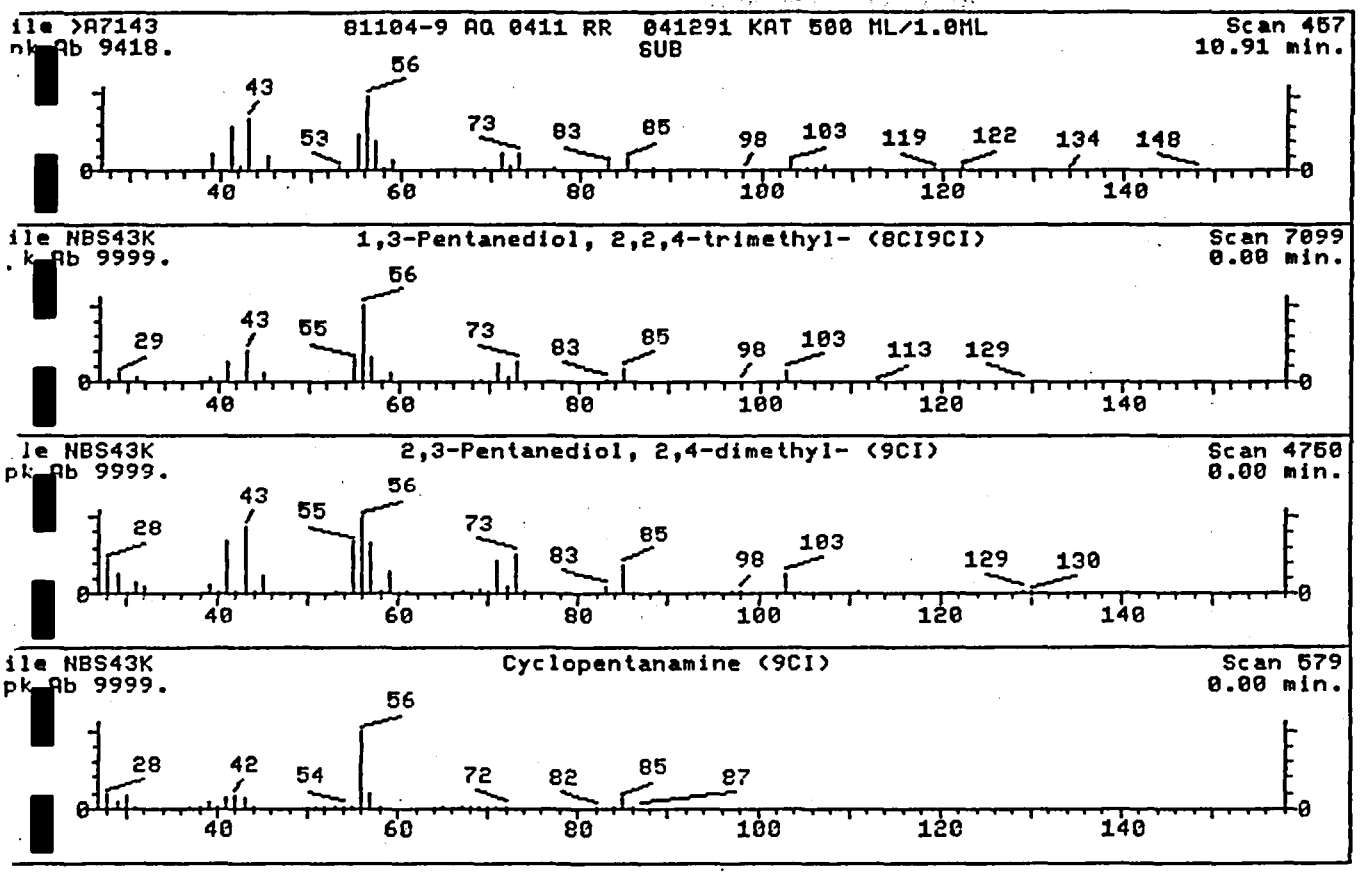



UNKNOWN #,11
AREA = 72304.00 TENTATIVE CONCENTRATION IS 9.00

| | | | |
|---|---|---|---|
| 1. | Ethanone, 1-(4-ethylphenyl)- (9CI) | 148 | C10H12O |
| 2. | Benzene, 1,4-dimethyl-2-(1-methylethyl)- (9CI) | 148 | C11H16 |
| 3. | Benzene, 1-ethyl-2,4,5-trimethyl- (8CI) | 148 | C11H16 |
| 4. | Benzene, 1-ethyl-3-(1-methylethyl)- (9CI) | 148 | C11H16 |
| 5. | Benzene, 1-ethyl-4-(1-methylethyl)- (9CI) | 148 | C11H16 |
| 6. | Benzene, ethyl-1,2,4-trimethyl- (9CI) | 148 | C11H16 |

Sample file: >A7143 Spectrum #: 449
Search speed: 1 Tilting option: N No. of ion ranges searched: 42

| | Prob. | CAS # | CON # | ROOT | K | DK | #FLG | TILT | % | CON | C_I | R_IV |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1. | 31* | 937304 | 14594 | NBS43K | 37 | 56 | 2 | 0 | 84 | 39 | 10 | 17 |
| 2. | 29* | 4132723 | 14598 | NBS43K | 37 | 57 | 2 | 0 | 100 | 43 | 8 | 17 |
| 3. | 28* | 17851273 | 14603 | NBS43K | 33 | 66 | 2 | 0 | 70 | 39 | 10 | 14 |
| 4. | 28* | 4920994 | 14602 | NBS43K | 32 | 22 | 2 | 0 | 87 | 44 | 8 | 16 |
| 5. | 27* | 4218488 | 14599 | NBS43K | 40 | 58 | 3 | 0 | 100 | 39 | 10 | 13 |
| 6. | 27* | 54120626 | 14605 | NBS43K | 31 | 59 | 2 | 0 | 85 | 44 | 8 | 15 |

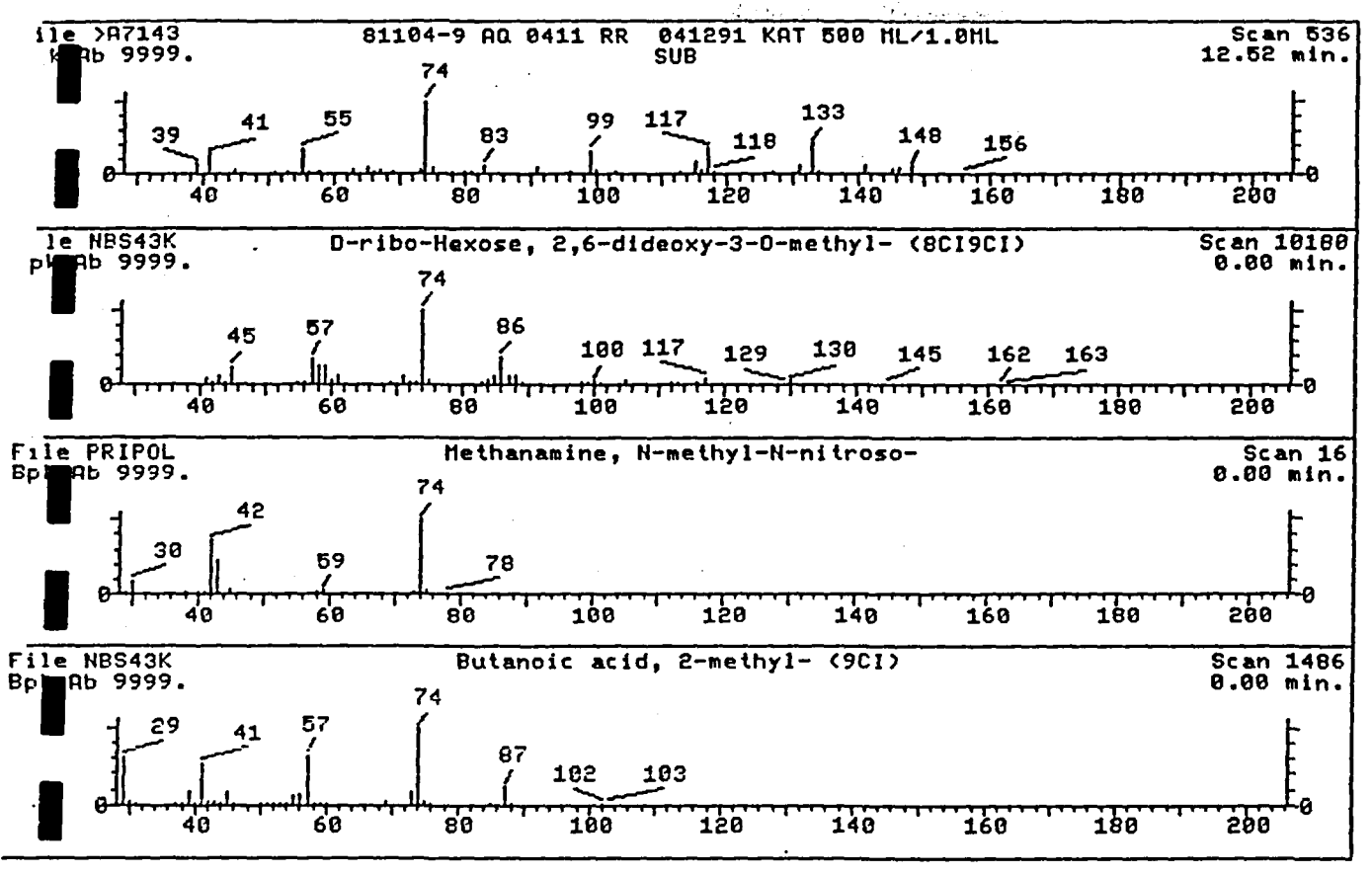



UNKNOWN #,12
AREA = 189992.0 TENTATIVE CONCENTRATION IS 24.00

1. 1,3-Pentanediol, 2,2,4-trimethyl- (8CI9CI) 146 C8H18O2
2. 2,3-Pentanediol, 2,4-dimethyl- (9CI) 132 C7H16O2
3. Cyclopentanamine (9CI) 85 C5H11N
4. Cyanic acid, propyl ester (8CI9CI) 85 C4H7NO
5. 1-Hexene, 2,5-dimethyl- (8CI9CI) 112 C8H16
6. 1-Pentene, 2,4-dimethyl- (8CI9CI) 98 C7H14

Sample file: >A7143 Spectrum #: 457
Search speed: 1 Tilting option: N No. of ion ranges searched: 41

| | Prob. | CAS # | CON # | ROOT | K | DK | #FLG | TILT | % | CON | C_I | R_IV |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1. | 67 | 144194 | 1092 | NBS43K | 62 | 35 | 1 | 0 | 76 | 11 | 34 | 25 |
| 2. | 39 | 66225534 | 1068 | NBS43K | 51 | 46 | 1 | 0 | 46 | 30 | 14 | 16 |
| 3. | 25* | 1003038 | 961 | NBS43K | 20 | 61 | 1 | 0 | 77 | 47 | 7 | 14 |
| 4. | 25* | 1768361 | 960 | NBS43K | 25 | 80 | 2 | 0 | 77 | 50 | 7 | 14 |
| 5. | 20 | 6975924 | 1025 | NBS43K | 39 | 45 | 2 | 0 | 69 | 54 | 5 | 13 |
| 6. | 20 | 2213323 | 982 | NBS43K | 38 | 48 | 2 | 0 | 96 | 54 | 5 | 12 |

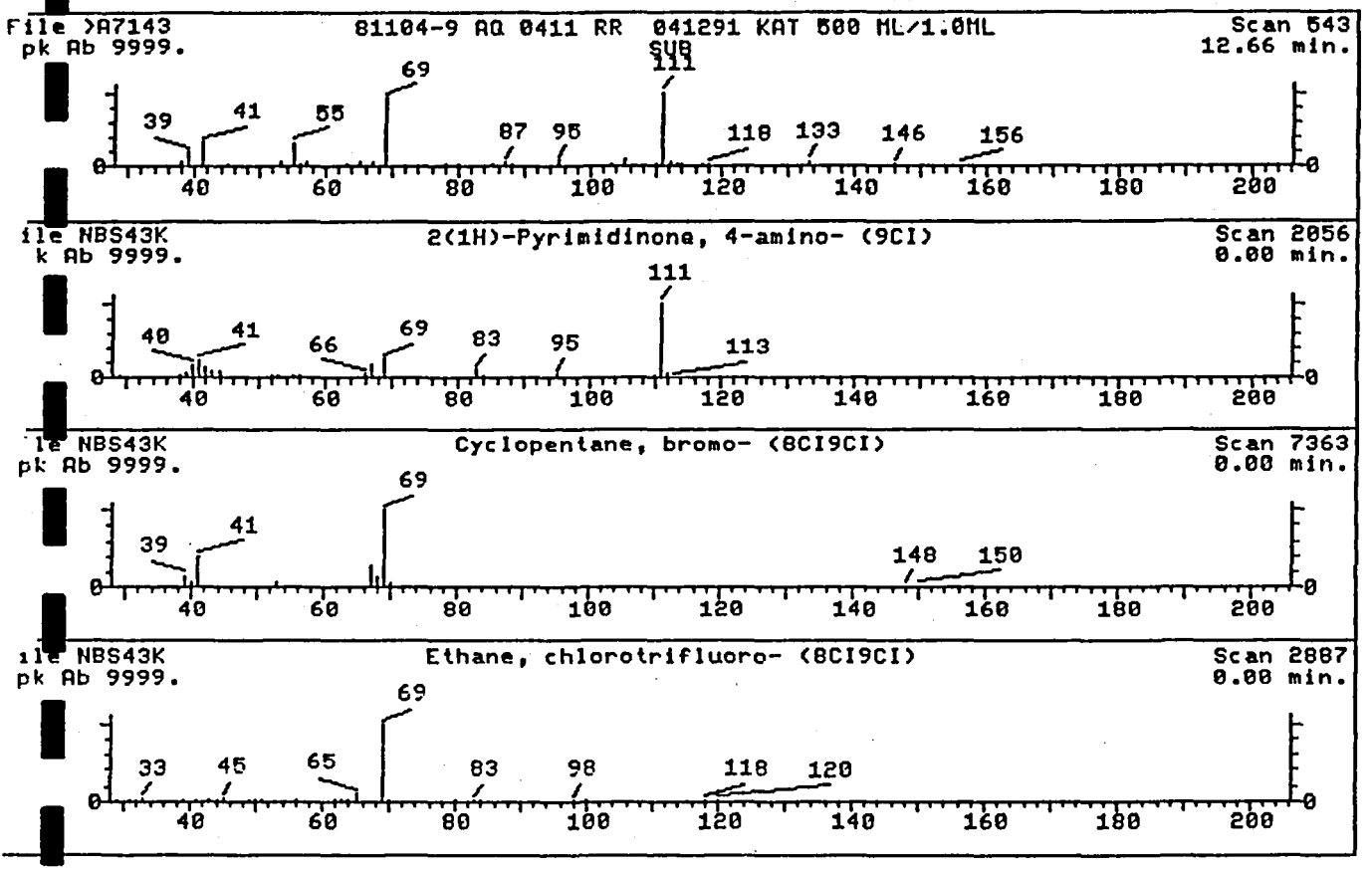



UNKNOWN #,13
AREA = 70175.00 TENTATIVE CONCENTRATION IS 9.00

1. D-ribo-Hexose, 2,6-dideoxy-3-O-methyl- (8CI9CI) 162 C7H14O4
2. Methanamine, N-methyl-N-nitroso- 74 C2H6N2O
3. Butanoic acid, 2-methyl- (9CI) 102 C5H10O2

Sample file: >A7143 Spectrum #: 536
Search speed: 1 Tilting option: N No. of ion ranges searched: 42

| | Prob. | CAS # | CON # | ROOT | K | DK | #FLG | TILT | % | CON | C_I | R_IV |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1. | 15* | 13089764 | 4547 | NBS43K | 23 | 86 | 3 | 0 | 100 | 56 | 3 | 12 |
| 2. | 11* | 16 | 79 | PRIPOL | 20 | 57 | 2 | 0 | 100 | 61 | 2 | 13 |
| 3. | 11* | 116530 | 4492 | NBS43K | 21 | 72 | 2 | 0 | 100 | 61 | 2 | 13 |

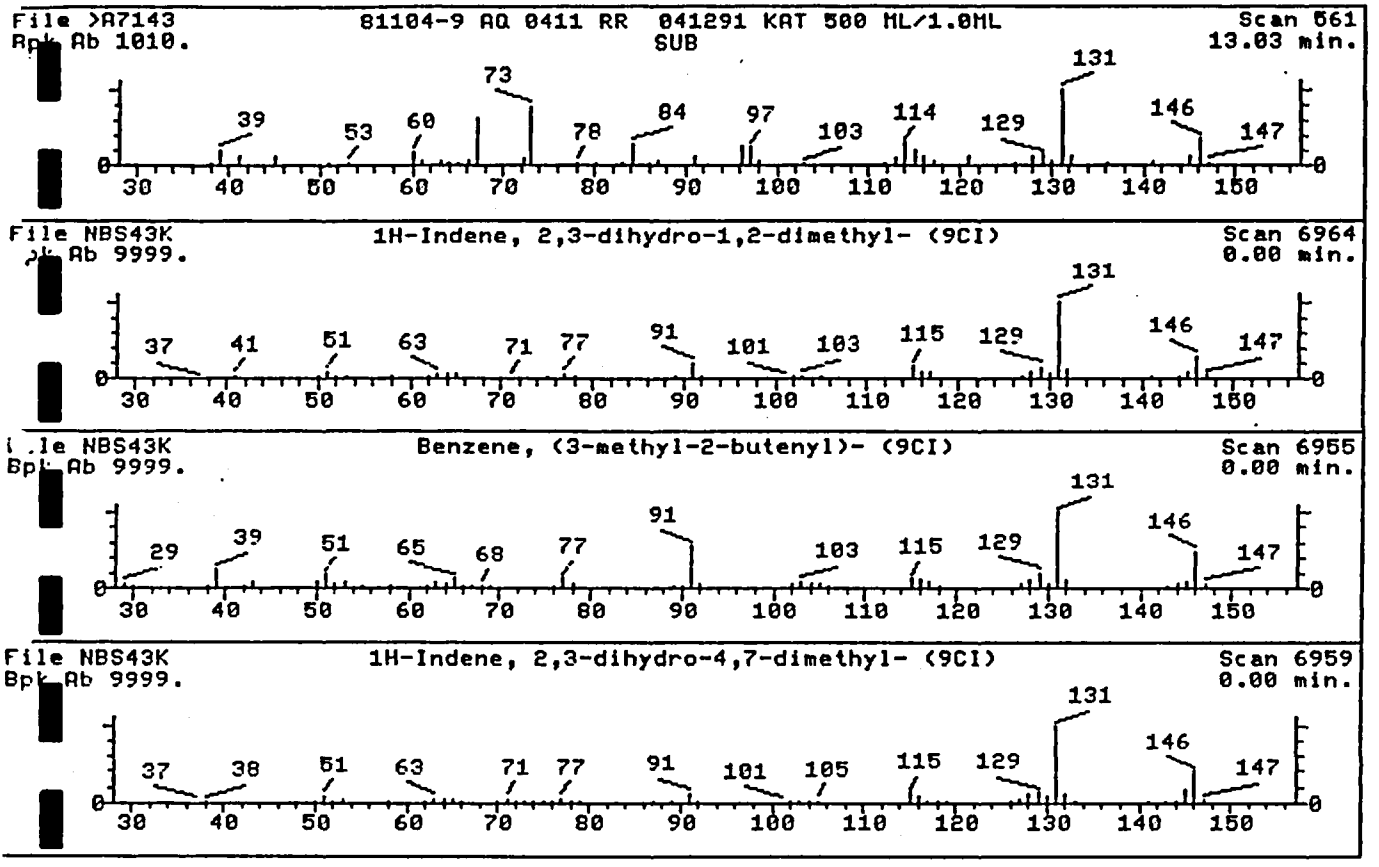



. UNKNOWN #,14
AREA = 68670.00 TENTATIVE CONCENTRATION IS 9.00

| | | | |
|---|---|---|---|
| 1. | 2(1H)-Pyrimidinone, 4-amino- (9CI) | 111 | C4H5N3O |
| 2. | Cyclopentane, bromo- (8CI9CI) | 148 | C5H9Br |
| 3. | Ethane, chlorotrifluoro- (8CI9CI) | 118 | C2H2ClF3 |
| 4. | 1,5-Heptadiene, 3,3-dimethyl-, (E)- (9CI) | 124 | C9H16 |
| 5. | 2,6-Octadiene, 4,5-dimethyl- (8CI9CI) | 138 | C10H18 |
| 6. | 2-Butenoic acid, 2-propenyl ester (9CI) | 126 | C7H10O2 |

Sample file: >A7143 Spectrum #: 543
Search speed: 1 Tilting option: N No. of ion ranges searched: 42

| | Prob. | CAS # | CON # | ROOT | K | DK | #FLG | TILT | % | CON | C_I | R_IV |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1. | 25* | 71307 | 10775 | NBS43K | 29 | 57 | 3 | 0 | 100 | 46 | 7 | 13 |
| 2. | 15* | 137439 | 3474 | NBS43K | 28 | 32 | 2 | 0 | 87 | 59 | 3 | 14 |
| 3. | 15* | 1330456 | 3456 | NBS43K | 31 | 47 | 1 | 0 | 63 | 59 | 3 | 17 |
| 4. | 15* | 67682477 | 3458 | NBS43K | 27 | 50 | 3 | 0 | 92 | 59 | 3 | 13 |
| 5. | 15* | 18476578 | 3465 | NBS43K | 25 | 48 | 3 | 0 | 92 | 59 | 3 | 13 |
| 6. | 15* | 20474935 | 3461 | NBS43K | 24 | 51 | 2 | 0 | 92 | 56 | 3 | 14 |

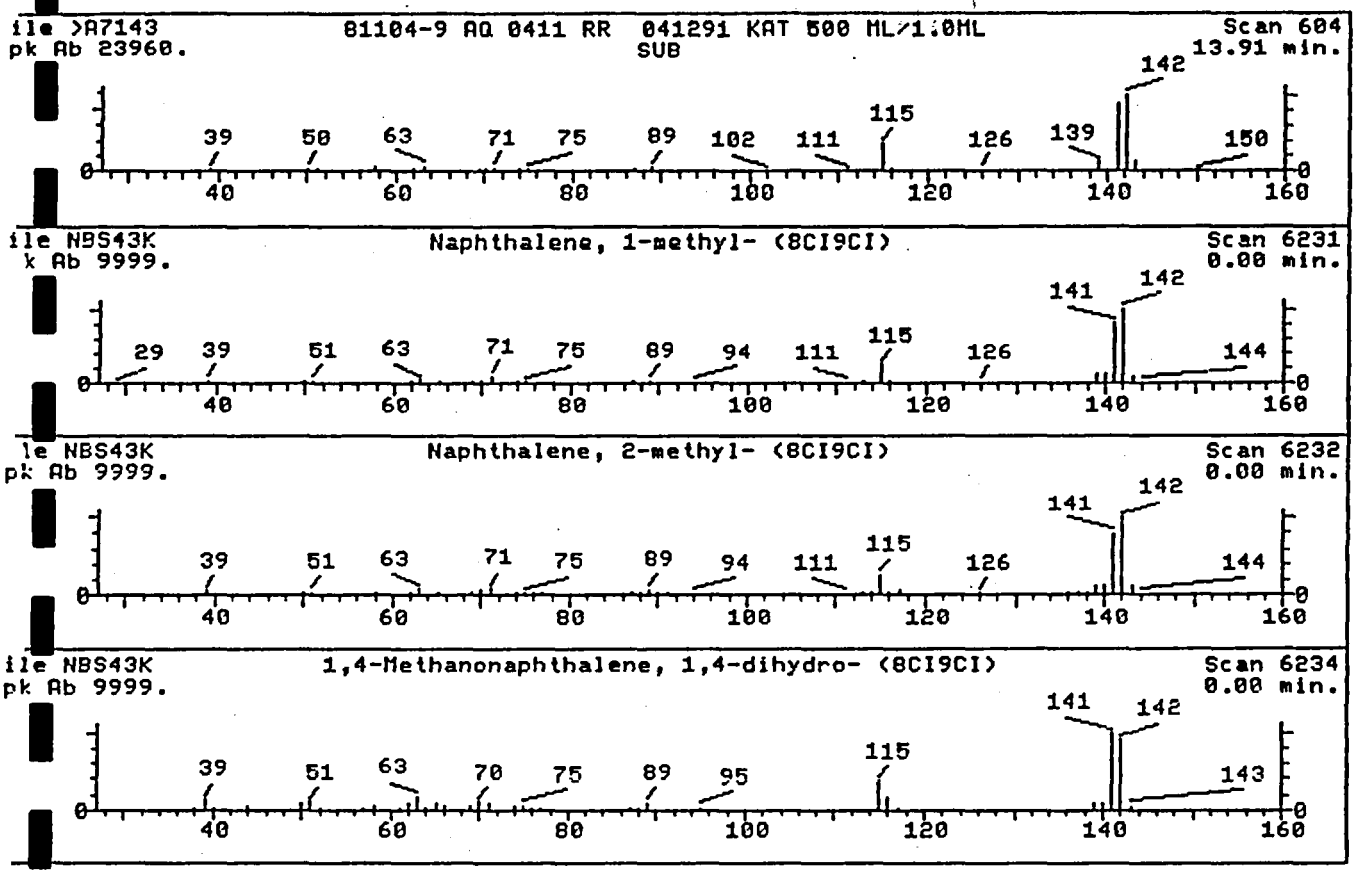



UNKNOWN #,15
AREA = 87407.00 TENTATIVE CONCENTRATION IS 11.00

1. 1H-Indene, 2,3-dihydro-1,2-dimethyl- (9CI) 146 C11H14
2. Benzene, (3-methyl-2-butenyl)- (9CI) 146 C11H14
3. 1H-Indene, 2,3-dihydro-4,7-dimethyl- (9CI) 146 C11H14
4. 1H-Indene, 2,3-dihydro-1,6-dimethyl- (9CI) 146 C11H14
5. 1H-Indene, 2,3-dihydro-1,3-dimethyl- (9CI) 146 C11H14
6. Naphthalene, 1,2,3,4-tetrahydro-1-methyl- (8CI9CI) 146 C11H14

Sample file: >A7143 Spectrum #: 561
Search speed: 1 Tilting option: N No. of ion ranges searched: 42

| | Prob. | CAS # | CON # | ROOT | K | DK | #FLG | TILT | % | CON | C_I | R_IV |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1. | 65* | 17057828 | 14303 | NBS43K | 73 | 31 | 2 | 0 | 97 | 31 | 24 | 55 |
| 2. | 54* | 4489843 | 16892 | NBS43K | 66 | 40 | 2 | 0 | 72 | 36 | 19 | 45 |
| 3. | 52* | 6682719 | 16893 | NBS43K | 64 | 40 | 2 | 0 | 75 | 38 | 19 | 43 |
| 4. | 50* | 17059482 | 14304 | NBS43K | 63 | 36 | 2 | 0 | 100 | 36 | 19 | 41 |
| 5. | 44* | 4175535 | 14301 | NBS43K | 56 | 45 | 2 | 0 | 100 | 36 | 17 | 33 |
| 6. | 40* | 1559815 | 14299 | NBS43K | 58 | 46 | 3 | 0 | 100 | 31 | 16 | 23 |

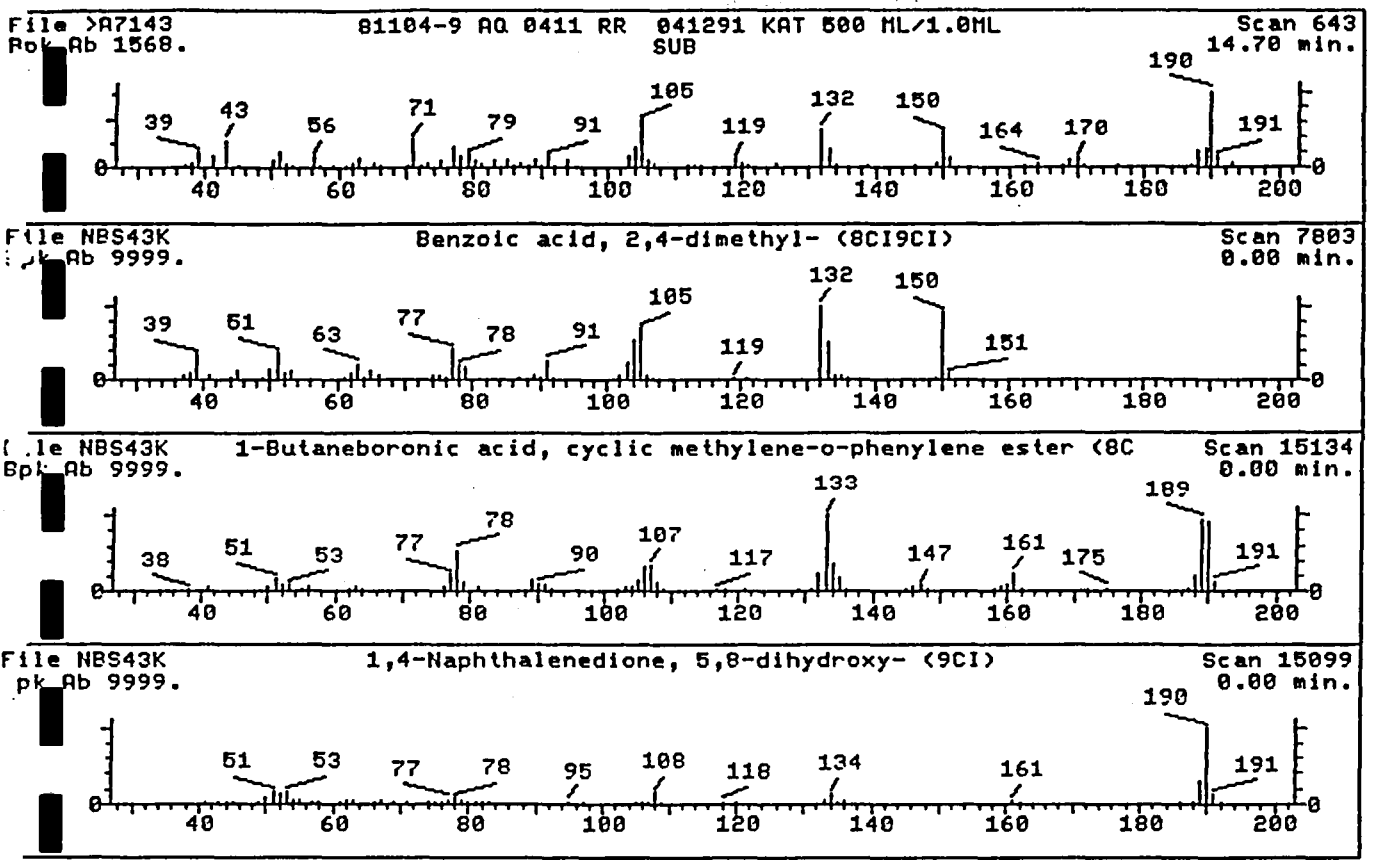



UNKNOWN #,16
AREA = 173237.0 TENTATIVE CONCENTRATION IS 22.00

1. Naphthalene, 1-methyl- (8CI9CI) 142 C11H10
2. Naphthalene, 2-methyl- (8CI9CI) 142 C11H10
3. 1,4-Methanonaphthalene, 1,4-dihydro- (8CI9CI) 142 C11H10
4. 1H-Indene, 1-ethylidene- (9CI) 142 C11H10
5. 1H-Indole-5-carbonitrile 142 C9H6N2
6. Benzeneacetonitrile, 4-cyano- (9CI) 142 C9H6N2

Sample file: >A7143 Spectrum #: 604
Search speed: 1 Tilting option: N No. of ion ranges searched: 41

| | Prob. | CAS # | CON # | ROOT | K | DK | #FLG | TILT | % | CON | C_I | R_IV |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1. | 86* | 90120 | 16328 | NBS43K | 56 | 44 | 2 | 0 | 91 | 4 | 60 | 33 |
| 2. | 78* | 91576 | 16329 | NBS43K | 43 | 55 | 3 | 0 | 100 | 4 | 55 | 13 |
| 3. | 78* | 4453901 | 16331 | NBS43K | 39 | 63 | 2 | 0 | 88 | 2 | 55 | 14 |
| 4. | 49* | 2471832 | 16330 | NBS43K | 54 | 46 | 1 | 0 | 52 | 40 | 19 | 40 |
| 5. | 30* | 15861242 | 16392 | NBS43K | 39 | 55 | 2 | 0 | 92 | 43 | 8 | 18 |
| 6. | 28* | 876313 | 16390 | NBS43K | 31 | 68 | 2 | 0 | 86 | 37 | 10 | 14 |

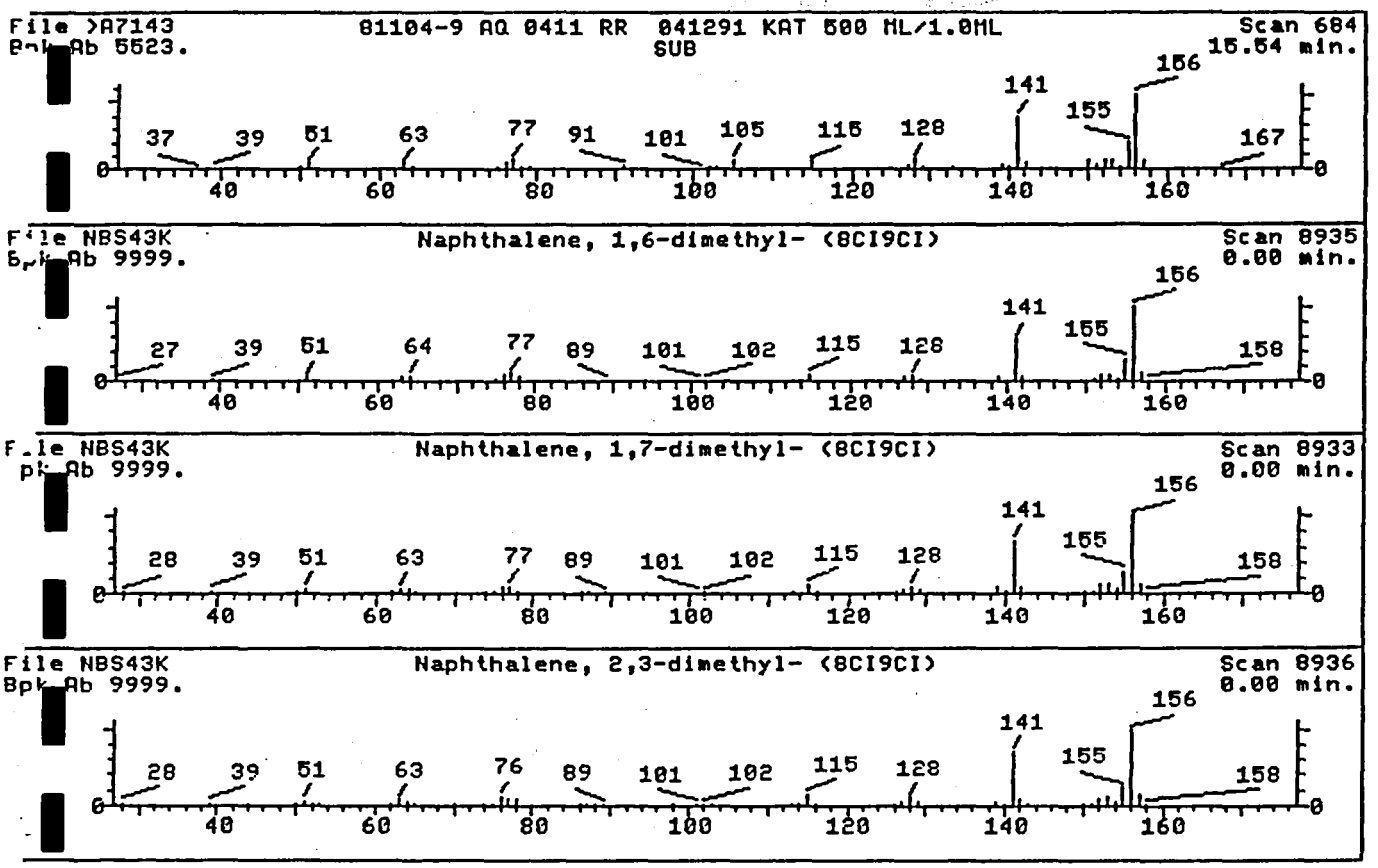



UNKNOWN #,17
AREA = 114513.0 TENTATIVE CONCENTRATION IS 13.00

1. Benzoic acid, 2,4-dimethyl- (8CI9CI) 150 C9H10O2
2. 1-Butaneboronic acid, cyclic methylene-o-phenylene e ster (8CI) 190 C11H15BO2
3. 1,4-Naphthalenedione, 5,8-dihydroxy- (9CI) 190 C10H6O4
4. 4H-1-Benzopyran-4-one, 7-hydroxy-2,5-dimethyl- (9CI) 190 C11H10O3
5. Benzoic acid, 2,3-dimethyl- (8CI9CI) 150 C9H10O2
6. 2-Furancarboxaldehyde, 5-[(5-methyl-2-furanyl)methyl ]- (9CI) 190 C11H10O3

Sample file: >A7143 Spectrum #: 643
Search speed: 1 Tilting option: N No. of ion ranges searched: 41

| | Prob. | CAS # | CON # | ROOT | K | DK | #FLG | TILT | % | CON | C_I | R_IV |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1. | 40* | 611018 | 17582 | NBS43K | 84 | 22 | 1 | 0 | 45 | 58 | 18 | 80 |
| 2. | 29* | 18885819 | 23322 | NBS43K | 24 | 122 | 3 | 0 | 109 | 33 | 12 | 12 |
| 3. | 20* | 475387 | 23290 | NBS43K | 40 | 75 | 3 | 0 | 100 | 53 | 5 | 13 |
| 4. | 20* | 38412474 | 23309 | NBS43K | 34 | 77 | 3 | 0 | 100 | 55 | 5 | 13 |
| 5. | 18* | 603292 | 17580 | NBS43K | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] |

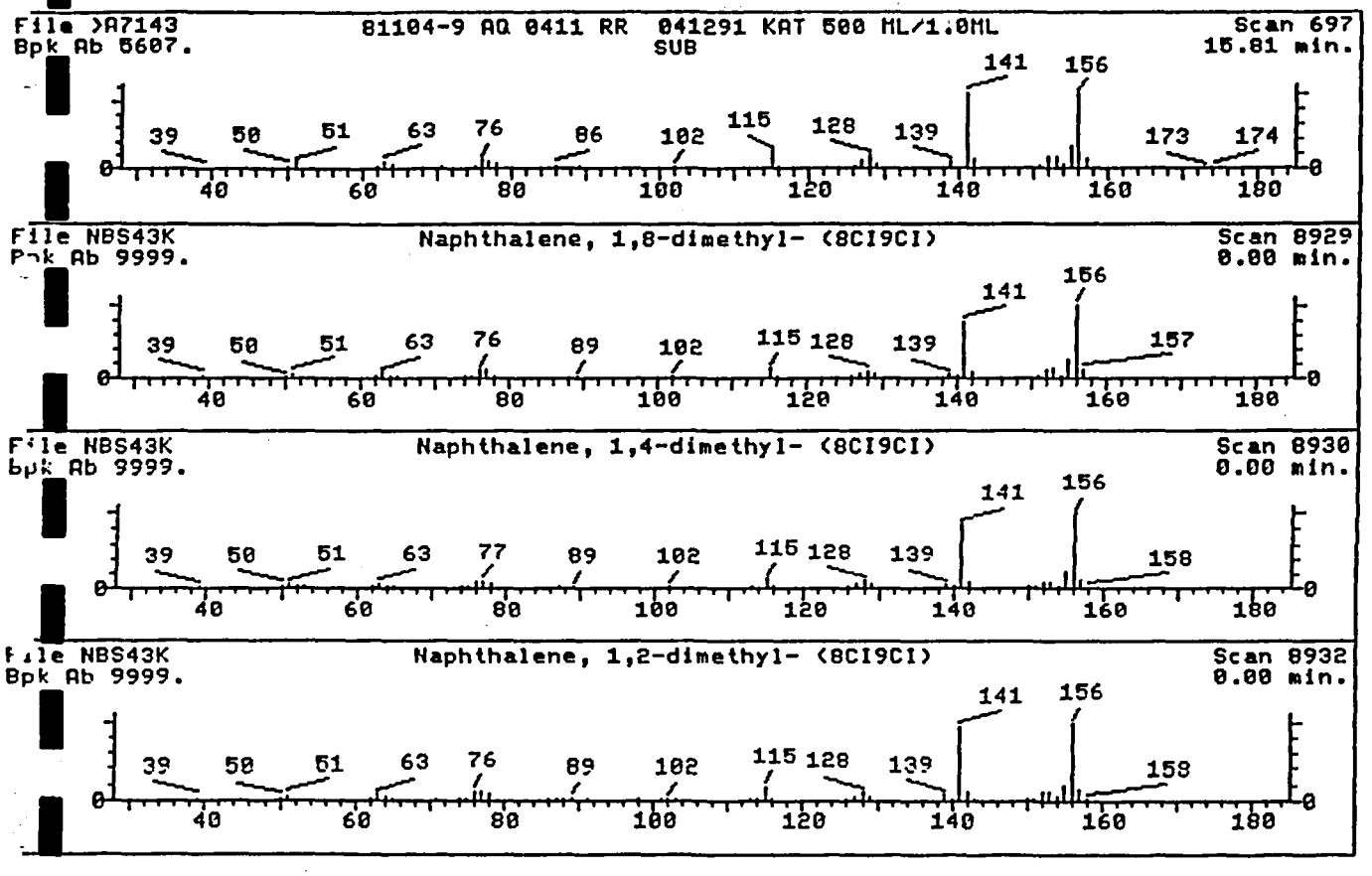



UNKNOWN #,18
AREA = 108985.0 TENTATIVE CONCENTRATION IS 12.00

1. Naphthalene, 1,6-dimethyl- (8CI9CI) 156 C12H12
2. Naphthalene, 1,7-dimethyl- (8CI9CI) 156 C12H12
3. Naphthalene, 2,3-dimethyl- (8CI9CI) 156 C12H12
4. Naphthalene, 1,8-dimethyl- (8CI9CI) 156 C12H12
5. Naphthalene, 1,4-dimethyl- (8CI9CI) 156 C12H12
6. Naphthalene, 1,2-dimethyl- (8CI9CI) 156 C12H12

Sample file: >A7143 Spectrum #: 684
Search speed: 1 Tilting option: N No. of ion ranges searched: 41

| | Prob. | CAS # | CON # | ROOT | K | DK | #FLG | TILT | % | CON | C_I | R_IV |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1. | 97* | 575439 | 18520 | NBS43K | 99 | 9 | 0 | 0 | 86 | 9 | 68 | 97 |
| 2. | 96* | 575371 | 18518 | NBS43K | 100 | 8 | 1 | 0 | 92 | 7 | 68 | 96 |
| 3. | 96* | 581408 | 18521 | NBS43K | 90 | 16 | 0 | 0 | 84 | 9 | 68 | 96 |
| 4. | 95* | 569415 | 18514 | NBS43K | 93 | 17 | 0 | 0 | 75 | 12 | 64 | 96 |
| 5. | 95* | 571584 | 18515 | NBS43K | 91 | 17 | 0 | 0 | 82 | 14 | 64 | 96 |
| 6. | 95* | 573988 | 18517 | NBS43K | 93 | 20 | 0 | 0 | 74 | 14 | 64 | 96 |

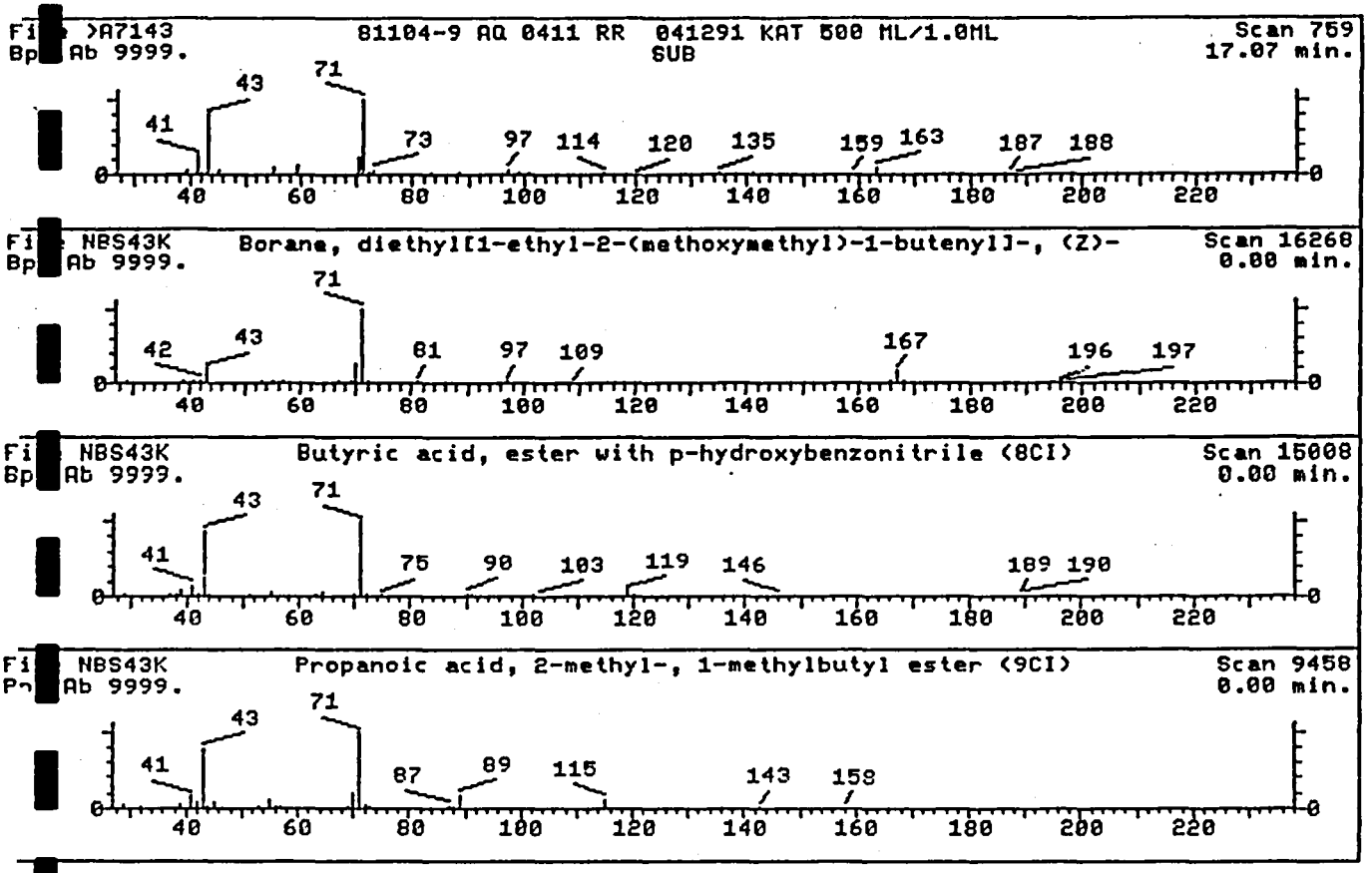



UNKNOWN #,19
AREA = 111536.0 TENTATIVE CONCENTRATION IS 12.00

1. Naphthalene, 1,8-dimethyl- (8CI9CI) 156 C12H12
2. Naphthalene, 1,4-dimethyl- (8CI9CI) 156 C12H12
3. Naphthalene, 1,2-dimethyl- (8CI9CI) 156 C12H12
4. Naphthalene, 2,3-dimethyl- (8CI9CI) 156 C12H12
5. Naphthalene, 1,5-dimethyl- (8CI9CI) 156 C12H12
6. Naphthalene, 1,7-dimethyl- (8CI9CI) 156 C12H12

Sample file: >A7143 Spectrum #: 697
Search speed: 1 Tilting option: N No. of ion ranges searched: 42

| | Prob. | CAS # | CON # | ROOT | K | DK | #FLG | TILT | % | CON | C_I | R_IV |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 97* | 569415 | 18514 | NBS43K | 96 | 14 | 0 | 0 | 93 | 5 | 72 | 97 |
| | 96* | 571584 | 18515 | NBS43K | 79 | 29 | 0 | 0 | 98 | 5 | 72 | 94 |
| 3. | 95* | 573988 | 18517 | NBS43K | 81 | 32 | 0 | 0 | 89 | 9 | 68 | 94 |
| 4. | 92* | 581408 | 18521 | NBS43K | 76 | 30 | 0 | 0 | 83 | 23 | 53 | 93 |
| | 92* | 571619 | 18516 | NBS43K | 77 | 32 | 0 | 0 | 88 | 21 | 53 | 93 |
| 6. | 92* | 575371 | 18518 | NBS43K | 76 | 32 | 0 | 0 | 98 | 21 | 53 | 93 |

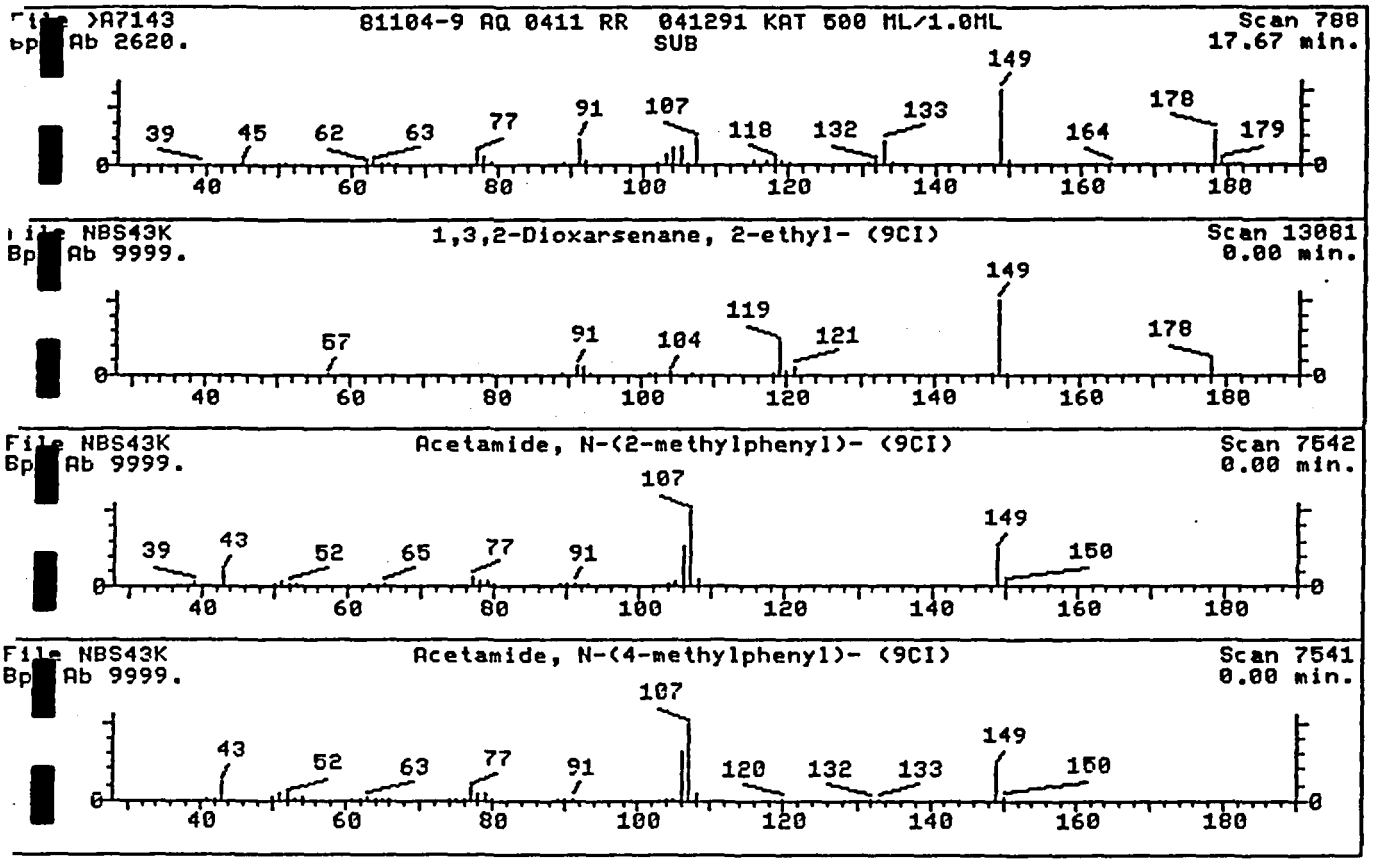



UNKNOWN #,20
AREA = 138518.0 TENTATIVE CONCENTRATION IS 16.00

1. Borane, diethyl[1-ethyl-2-(methoxymethyl)-1-butenyl] -, (Z)- (9CI) 196 C12H25BO
2. Butyric acid, ester with p-hydroxybenzonitrile (8CI) 189 C11H11NO2
3. Propanoic acid, 2-methyl-, 1-methylbutyl ester (9CI) 158 C9H18O2
4. Borinic acid, diethyl-, methyl ester (8CI9CI) 100 C5H13BO
5. Hexane, 3,3,4,4-tetramethyl- (8CI9CI) 142 C10H22
6. Heptane, 3,3,5-trimethyl- (8CI9CI) 142 C10H22

Sample file: >A7143 Spectrum #: 759
Search speed: 1 Tilting option: N No. of ion ranges searched: 41

| | Prob. | CAS # | CON # | ROOT | K | DK | #FLG | TILT | % | CON | C_I | R_IV |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1. | 51* | 53670487 | 4072 | NBS43K | 43 | 50 | 2 | 0 | 90 | 24 | 22 | 23 |
| 2. | 47* | 29052106 | 4071 | NBS43K | 54 | 39 | 2 | 0 | 90 | 39 | 17 | 36 |
| 3. | 44* | 54340931 | 4033 | NBS43K | 31 | 54 | 2 | 0 | 100 | 22 | 17 | 15 |
| 4. | 44* | 7397468 | 3936 | NBS43K | 31 | 58 | 2 | 0 | 93 | 24 | 17 | 15 |
| 5. | 43 | 5171846 | 3989 | NBS43K | 43 | 44 | 2 | 0 | 79 | 24 | 17 | 14 |
| 6. | 43 | 7154805 | 3991 | NBS43K | 41 | 43 | 2 | 0 | 90 | 22 | 17 | 14 |

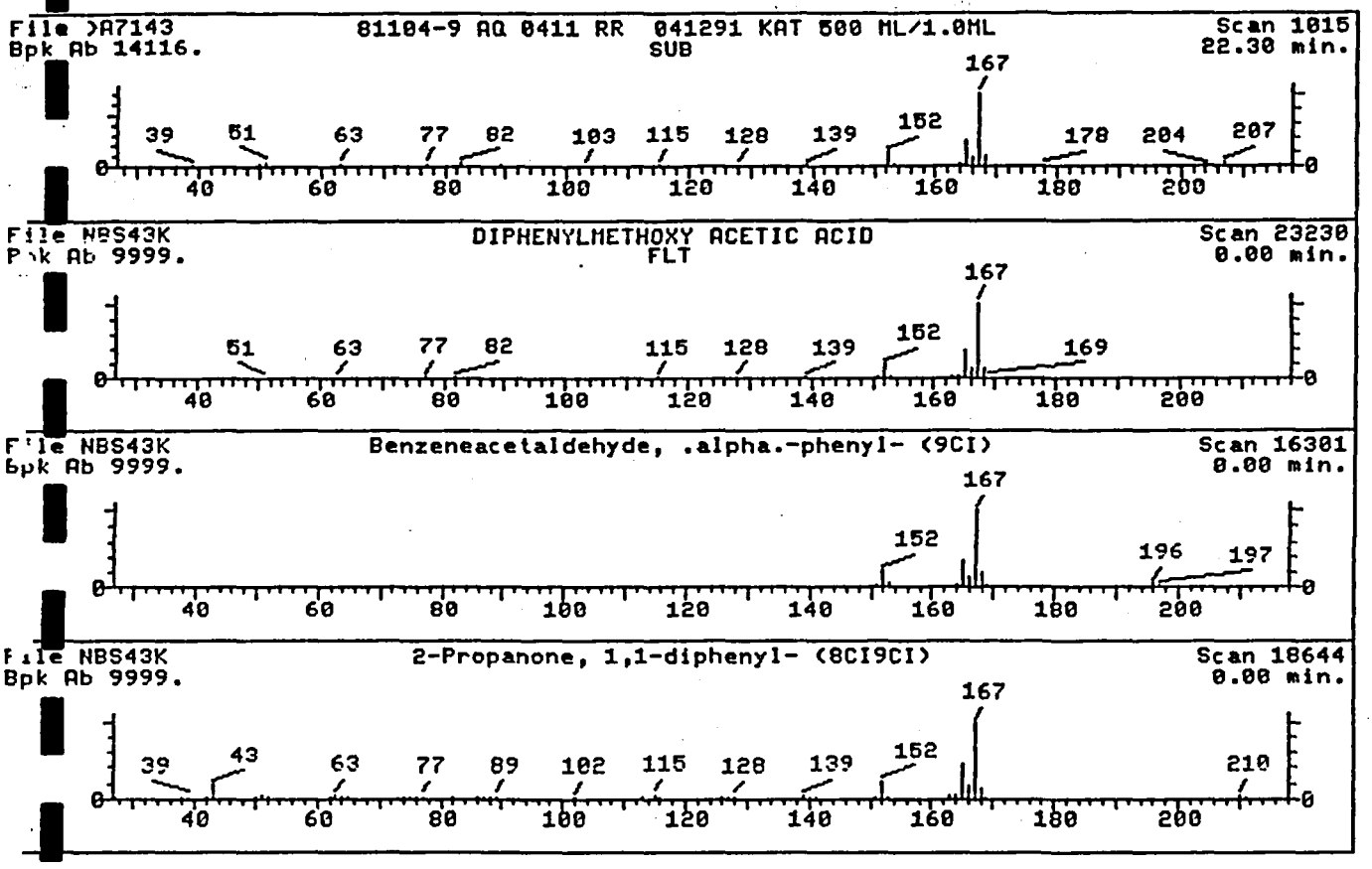



UNKNOWN #,21
AREA = 73619.00 TENTATIVE CONCENTRATION IS 8.00

1. 1,3,2-Dioxarsenane, 2-ethyl- (9CI) 178 C5H11AsO2
2. Acetamide, N-(2-methylphenyl)- (9CI) 149 C9H11NO
3. Acetamide, N-(4-methylphenyl)- (9CI) 149 C9H11NO
4. Acetamide, N-(3-methylphenyl)- (9CI) 149 C9H11NO
5. 1-Piperidinecarboxaldehyde, 2-(1H-pyrrol-2-yl)- (9CI 178 C10H14N2O

Sample file: >A7143 Spectrum #: 788
Search speed: 1 Tilting option: N No. of ion ranges searched: 42

| | Prob. | CAS # | CON # | ROOT | K | DK | #FLG | TILT | % | CON | C_I | R_IV |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1. | 25* | 42541311 | 17428 | NBS43K | 20 | 84 | 2 | 0 | 100 | 44 | 8 | 13 |
| 2. | 24* | 120661 | 10217 | NBS43K | 23 | 69 | 3 | 0 | 200 | 45 | 8 | 12 |
| 3. | 24* | 103899 | 10216 | NBS43K | 22 | 70 | 3 | 0 | 228 | 43 | 8 | 12 |
| 4. | 20* | 537928 | 10218 | NBS43K | 22 | 67 | 3 | 0 | 229 | 55 | 5 | 12 |
| 5. | 15* | 54966095 | 21750 | NBS43K | 24 | 84 | 3 | 0 | 47 | 60 | 3 | 12 |

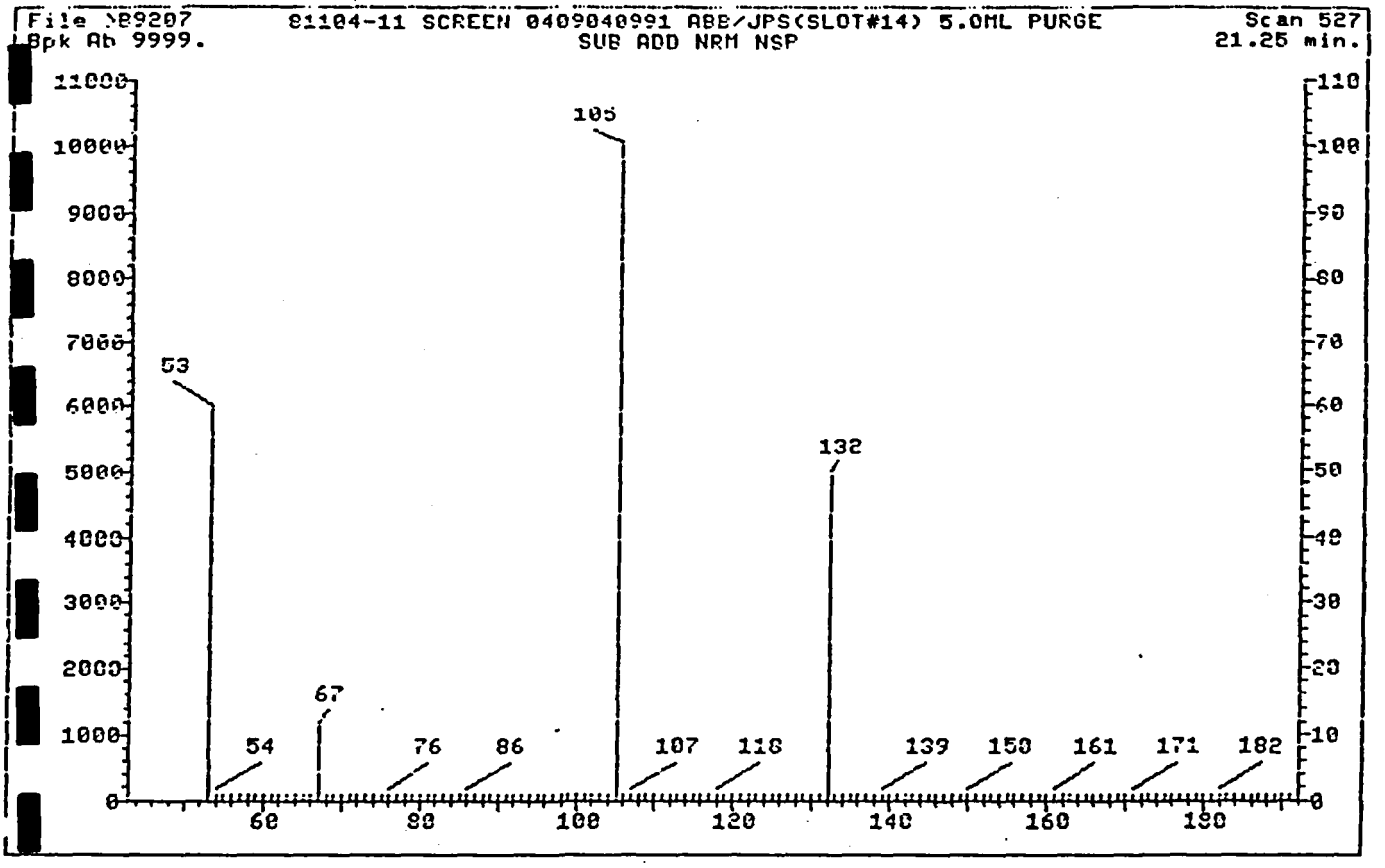



UNKNOWN #,22
AREA = 94454.00 TENTATIVE CONCENTRATION IS 10.00

1. DIPHENYLMETHOXY ACETIC ACID 242 C15H14O3
2. Benzeneacetaldehyde, .alpha.-phenyl- (9CI) 196 C14H12O
3. 2-Propanone, 1,1-diphenyl- (8CI9CI) 210 C15H14O
4. Benzene, 1,1'-(bromomethylene)bis- (9CI) 246 C13H11Br
5. 9H-Carbazole (9CI) 167 C12H9N
6. 2-Mercaptobenzothiazole (ACN) 167 C7H5NS2

Sample file: >A7143 Spectrum #: 1015
Search speed: 1 Tilting option: N No. of ion ranges searched: 41

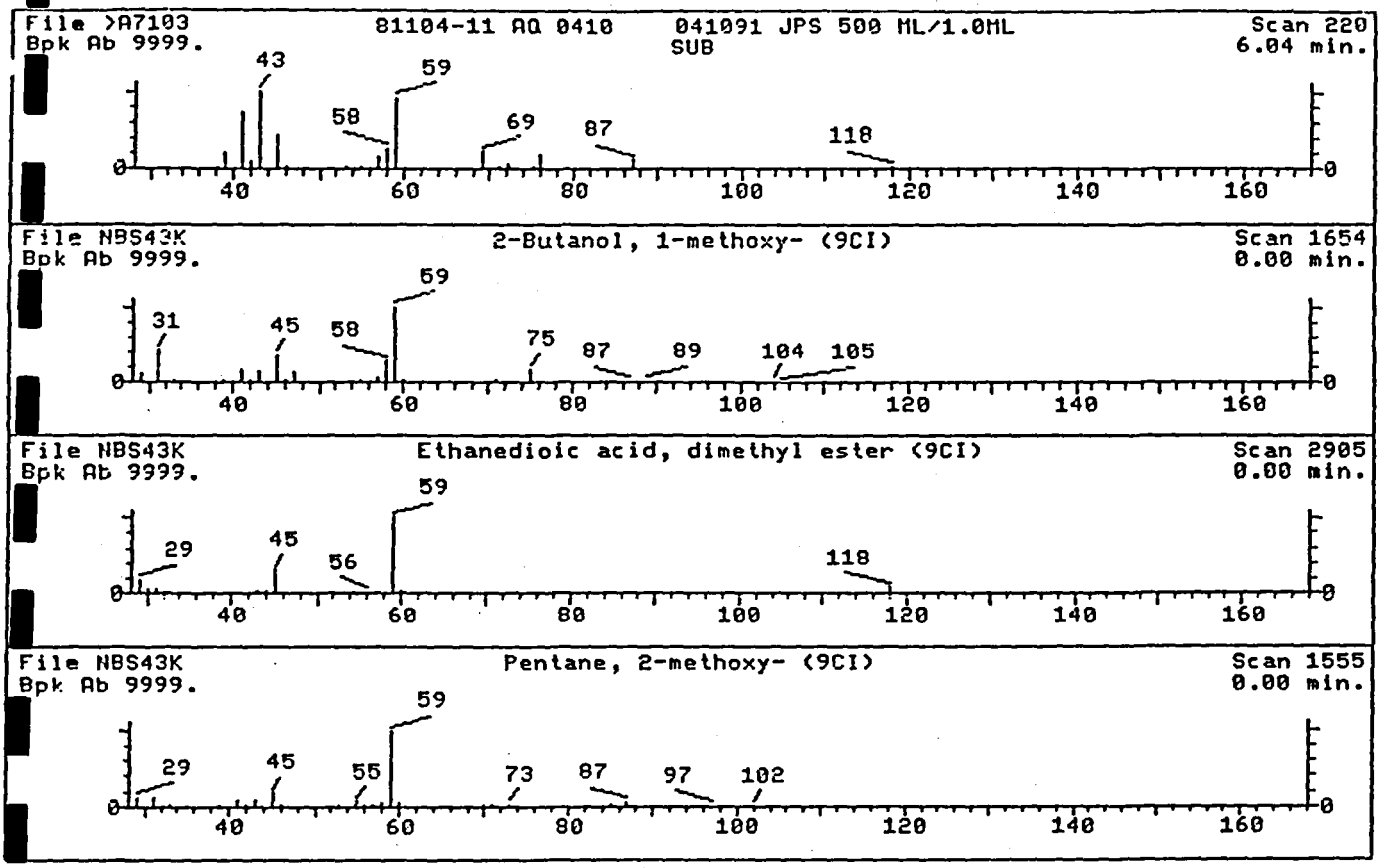
| | Prob. | CAS # | CON # | ROOT | K | DK | #FLG | TILT | % | CON | C_I | R_IV |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1. | 84 | 21409256 | 20353 | NBS43K | 89 | 21 | 0 | 0 | 91 | 7 | 55 | 66 |
| 2. | 70 | 947911 | 20306 | NBS43K | 53 | 23 | 2 | 0 | 74 | 7 | 42 | 18 |
| 3. | 49 | 781351 | 20325 | NBS43K | 81 | 31 | 1 | 0 | 64 | 33 | 20 | 33 |
| 4. | 41 | 776749 | 20356 | NBS43K | 77 | 42 | 1 | 0 | 64 | 38 | 17 | 30 |
| 5. | 40* | 86748 | 20261 | NBS43K | 34 | 55 | 2 | 0 | 72 | 30 | 14 | 17 |
| 6. | 26* | 149304 | 20272 | NBS43K | 22 | 84 | 3 | 0 | 100 | 36 | 10 | 12 |




UNKNOWN #,1
RLA = 35386.00 TENTATIVE CONCENTRATION IS 7.00

Sample file: >B9207 Spectrum #: 527

No data base entries were retrieved.

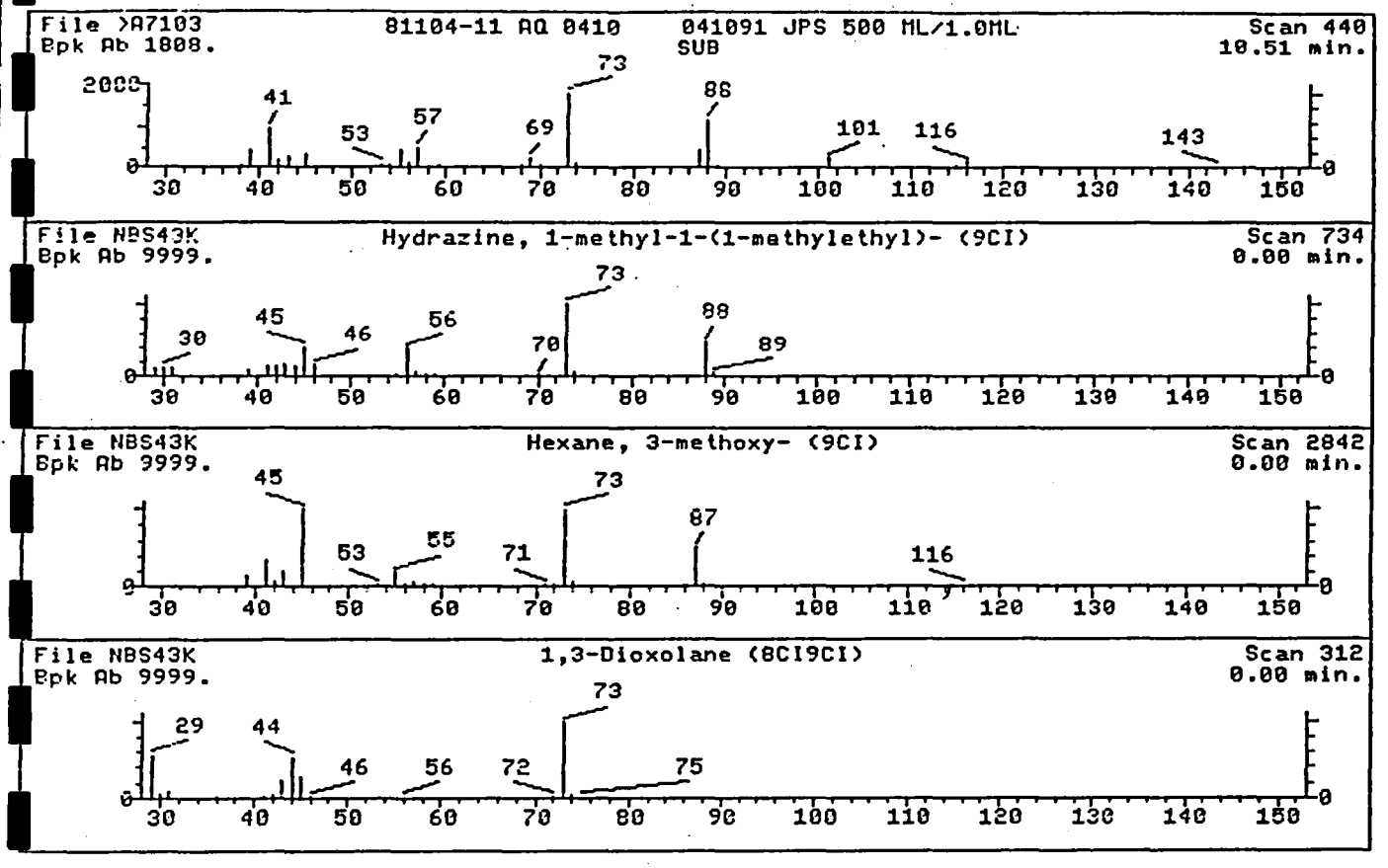



UNKNOWN #,1
AREA = 30803.00 TENTATIVE CONCENTRATION IS 8.00

| | | | |
|---|---|---|---|
| 1. | 2-Butanol, 1-methoxy- (9CI) | 104 | C5H12O2 |
| 2. | Ethanedioic acid, dimethyl ester (9CI) | 118 | C4H6O4 |
| 3. | Pentane, 2-methoxy- (9CI) | 102 | C6H14O |
| 4. | 2-Propanol, 1-methoxy-2-methyl- (8CI9CI) | 104 | C5H12O2 |
| 5. | Formamide, N-formyl-N-methyl- (9CI) | 87 | C3H5NO2 |
| 6. | Butane, 2-methoxy-3-methyl- (9CI) | 102 | C6H14O |

Sample file: >A7103 Spectrum #: 220
Search speed: 1 Tilting option: N No. of ion ranges searched: 42

| | Prob. | CAS # | CON # | ROOT | K | DK | #FLG | TILT | % | CON | C_I | R_IV |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1. | 52* | 53778737 | 1657 | NBS43K | 28 | 68 | 2 | 0 | 91 | 20 | 20 | 14 |
| 2. | 36* | 553902 | 1686 | NBS43K | 32 | 51 | 0 | 0 | 62 | 45 | 12 | 27 |
| 3. | 26* | 6795886 | 1645 | NBS43K | 23 | 58 | 1 | 0 | 73 | 44 | 8 | 14 |
| 4. | 25* | 3587642 | 1653 | NBS43K | 36 | 55 | 1 | 0 | 68 | 47 | 7 | 19 |
| 5. | 25* | 18197256 | 1599 | NBS43K | 20 | 49 | 2 | 0 | 111 | 43 | 8 | 13 |
| 6. | 25* | 62016493 | 1646 | NBS43K | 22 | 52 | 0 | 0 | 61 | 50 | 7 | 16 |

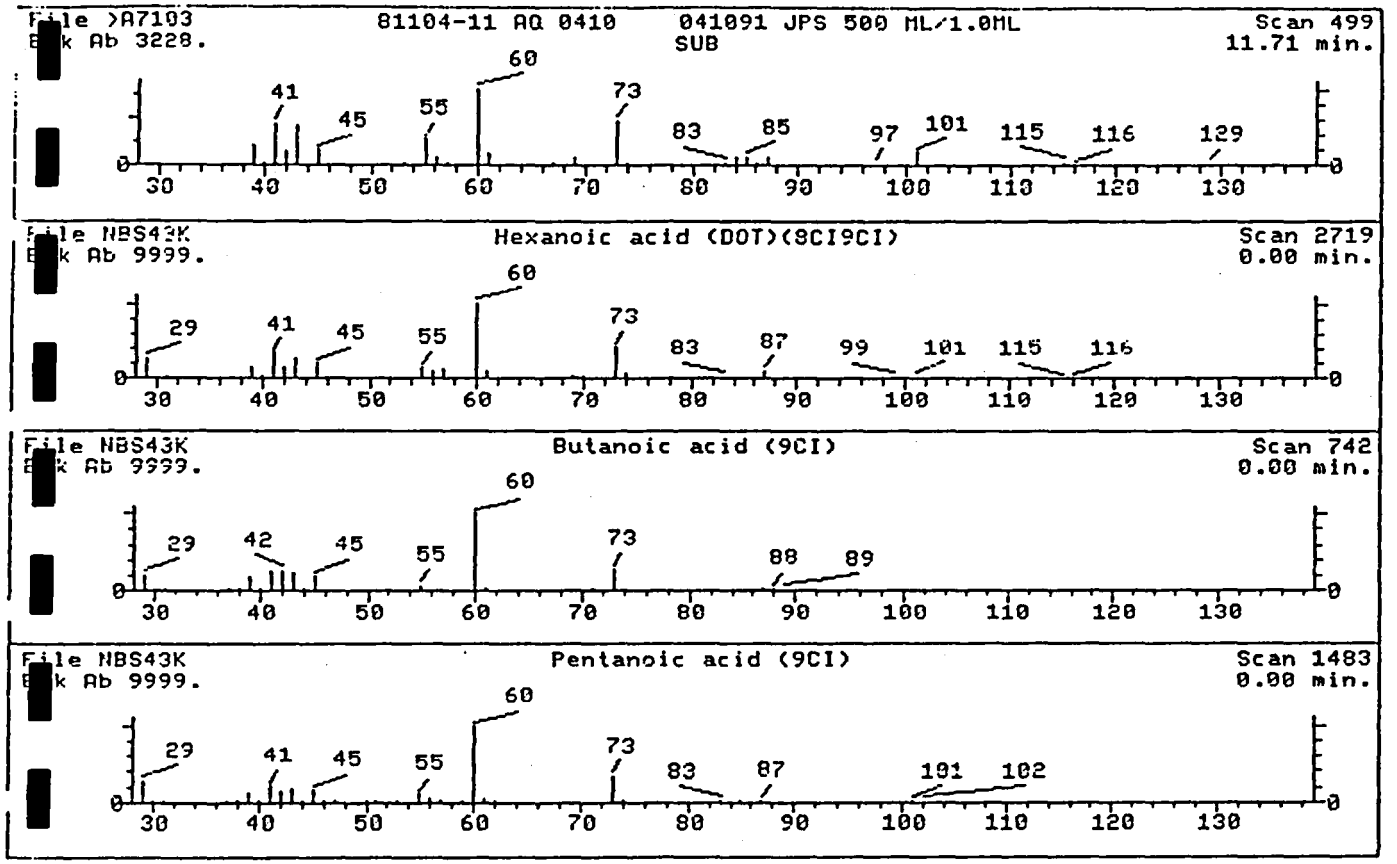



UNKNOWN #,2
AREA = 43351.00 TENTATIVE CONCENTRATION IS 9.00

| | | | |
|---|---|---|---|
| 1. | Hydrazine, 1-methyl-1-(1-methylethyl)- (9CI) | 88 | C4H12N2 |
| 2. | Hexane, 3-methoxy- (9CI) | 116 | C7H16O |
| 3. | 1,3-Dioxolane (8CI9CI) | 74 | C3H6O2 |
| 4. | 1,3-Dioxolane, 2-(1-methylethyl)- (9CI) | 116 | C6H12O2 |

Sample file: >A7103 Spectrum #: 440
Search speed: 1 Tilting option: N No. of ion ranges searched: 42

| | Prob. | CAS # | CON # | ROOT | K | DK | #FLG | TILT | % | CON | C_I | R_IV |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1. | 42* | 33668541 | 7064 | NBS43K | 26 | 79 | 3 | 0 | 100 | 22 | 17 | 13 |
| 2. | 26* | 54658014 | 6720 | NBS43K | 32 | 53 | 3 | 0 | 101 | 42 | 8 | 14 |
| 3. | 25* | 646060 | 4437 | NBS43K | 24 | 55 | 2 | 0 | 69 | 46 | 7 | 14 |
| 4. | 25* | 822833 | 4452 | NBS43K | 20 | 62 | 2 | 0 | 100 | 50 | 7 | 13 |

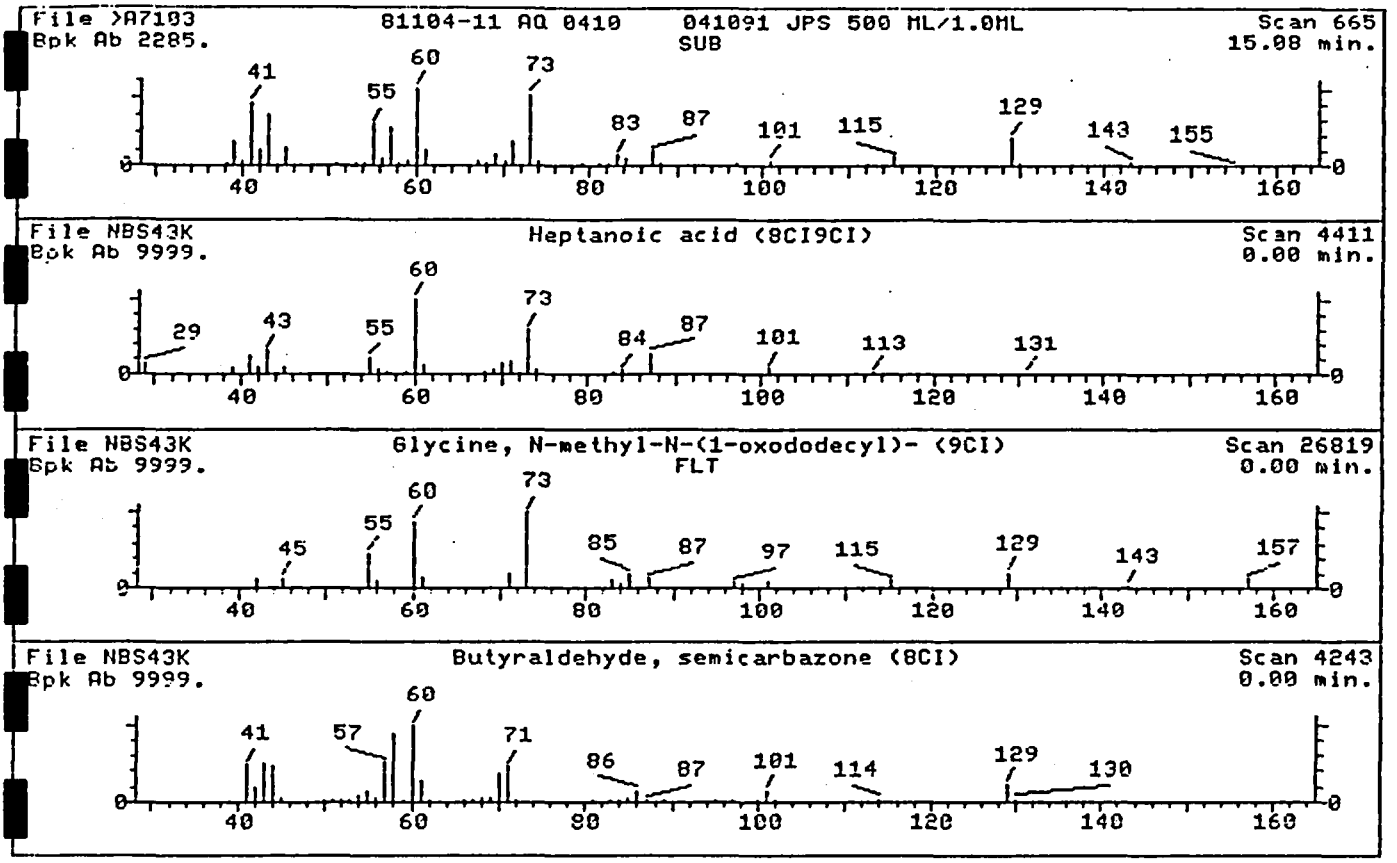



UNKNOWN #,3
AREA = 195356.0 TENTATIVE CONCENTRATION IS 39.00

| | | |
|---|---|---|
| 1. Hexanoic acid (DOT)(8CI9CI) | 116 | C6H12O2 |
| 2. Butanoic acid (9CI) | 88 | C4H8O2 |
| 3. Pentanoic acid (9CI) | 102 | C5H10O2 |
| 4. Octanoic acid (8CI9CI) | 144 | C8H16O2 |

Sample file: >A7103 Spectrum #: 499
Search speed: 1 Tilting option: N No. of ion ranges searched: 42

| | Prob. | CAS # | CON # | ROOT | K | DK | #FLG | TILT | % | CON | C_I | R_IV |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1. | 46 | 142621 | 1892 | NBS43K | 55 | 40 | 2 | 0 | 95 | 21 | 17 | 17 |
| 2. | 33* | 107926 | 1863 | NBS43K | 29 | 61 | 1 | 0 | 72 | 32 | 12 | 16 |
| 3. | 31 | 109524 | 1875 | NBS43K | 40 | 48 | 1 | 0 | 100 | 32 | 12 | 14 |
| 4. | 31 | 124072 | 1926 | NBS43K | 63 | 41 | 2 | 0 | 62 | 40 | 10 | 17 |

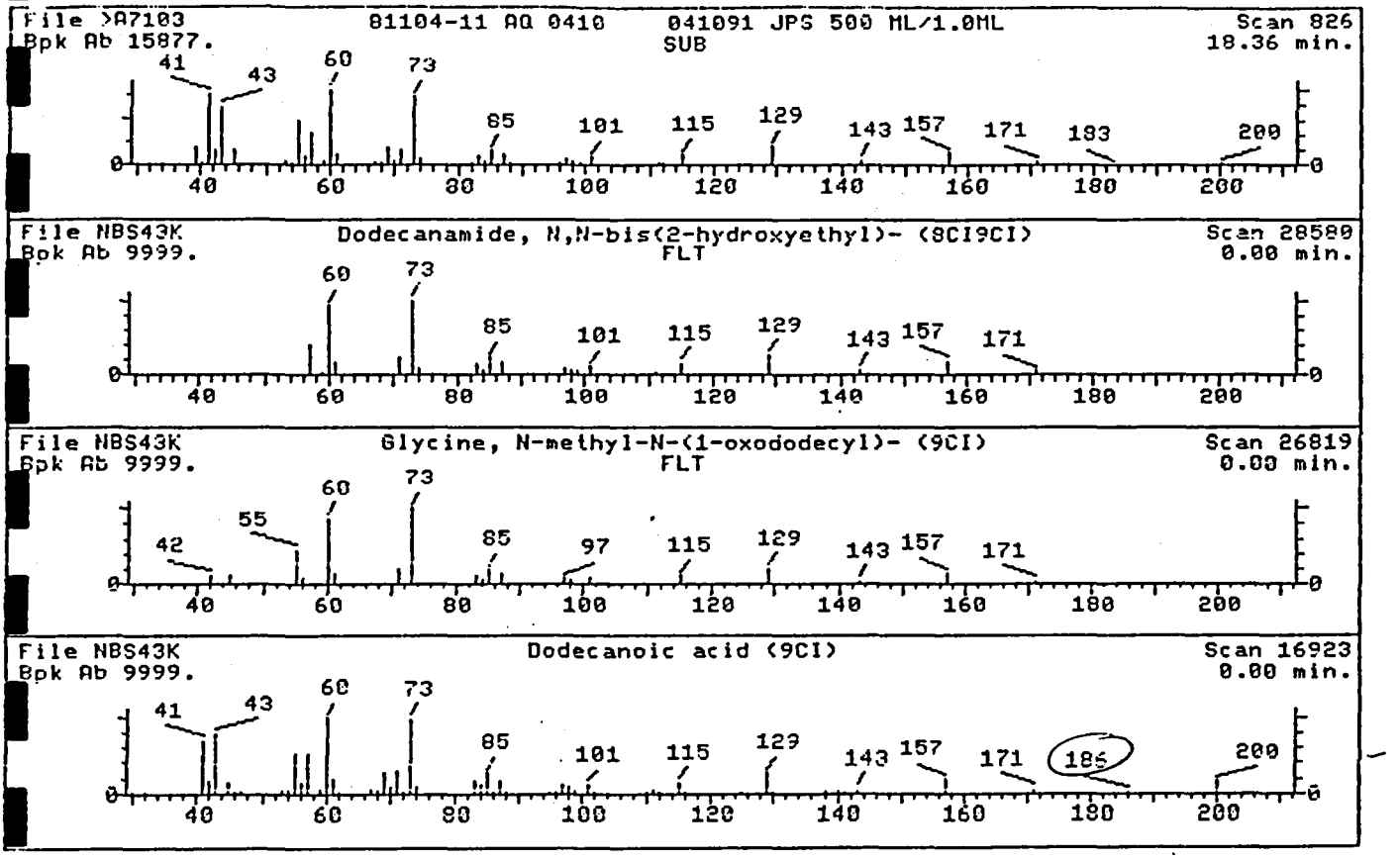



UNKNOWN #,4
AREA = 132234.0 TENTATIVE CONCENTRATION IS 24.00

| | | | |
|---|---|---|---|
| 1. | Heptanoic acid (8CI9CI) | 130 | C7H14O2 |
| 2. | Glycine, N-methyl-N-(1-oxododecyl)- (9CI) | 271 | C15H29NO3 |
| 3. | Butyraldehyde, semicarbazone (8CI) | 129 | C5H11N3O |
| 4. | Octanoic acid (8CI9CI) | 144 | C8H16O2 |
| 5. | Hexanoic acid (DOT)(8CI9CI) | 116 | C6H12O2 |
| 6. | Butanoic acid (9CI) | 88 | C4H8O2 |

Sample file: >A7103 Spectrum #: 665
Search speed: 1 Tilting option: N No. of ion ranges searched: 42

| | Prob. | CAS # | CON # | ROOT | K | DK | #FLG | TILT | % | CON | C_I | R_IV |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1. | 43* | 111148 | 1909 | NBS43K | 44 | 53 | 1 | 0 | 73 | 32 | 16 | 26 |
| 2. | 42 | 97789 | 2011 | NBS43K | 62 | 88 | 2 | 0 | 91 | 25 | 17 | 13 |
| 3. | 37* | 13183216 | 1904 | NBS43K | 33 | 82 | 2 | 0 | 69 | 28 | 14 | 14 |
| 4. | 26* | 124072 | 1926 | NBS43K | 37 | 67 | 2 | 0 | 100 | 45 | 8 | 14 |
| 5. | 25 | 142621 | 1892 | NBS43K | 38 | 57 | 0 | 0 | 98 | 46 | 7 | 18 |
| 6. | 21* | [illegible] | 1943 | NBS43K | 21 | 29 | 0 | 0 | 76 | 62 | 5 | 15 |

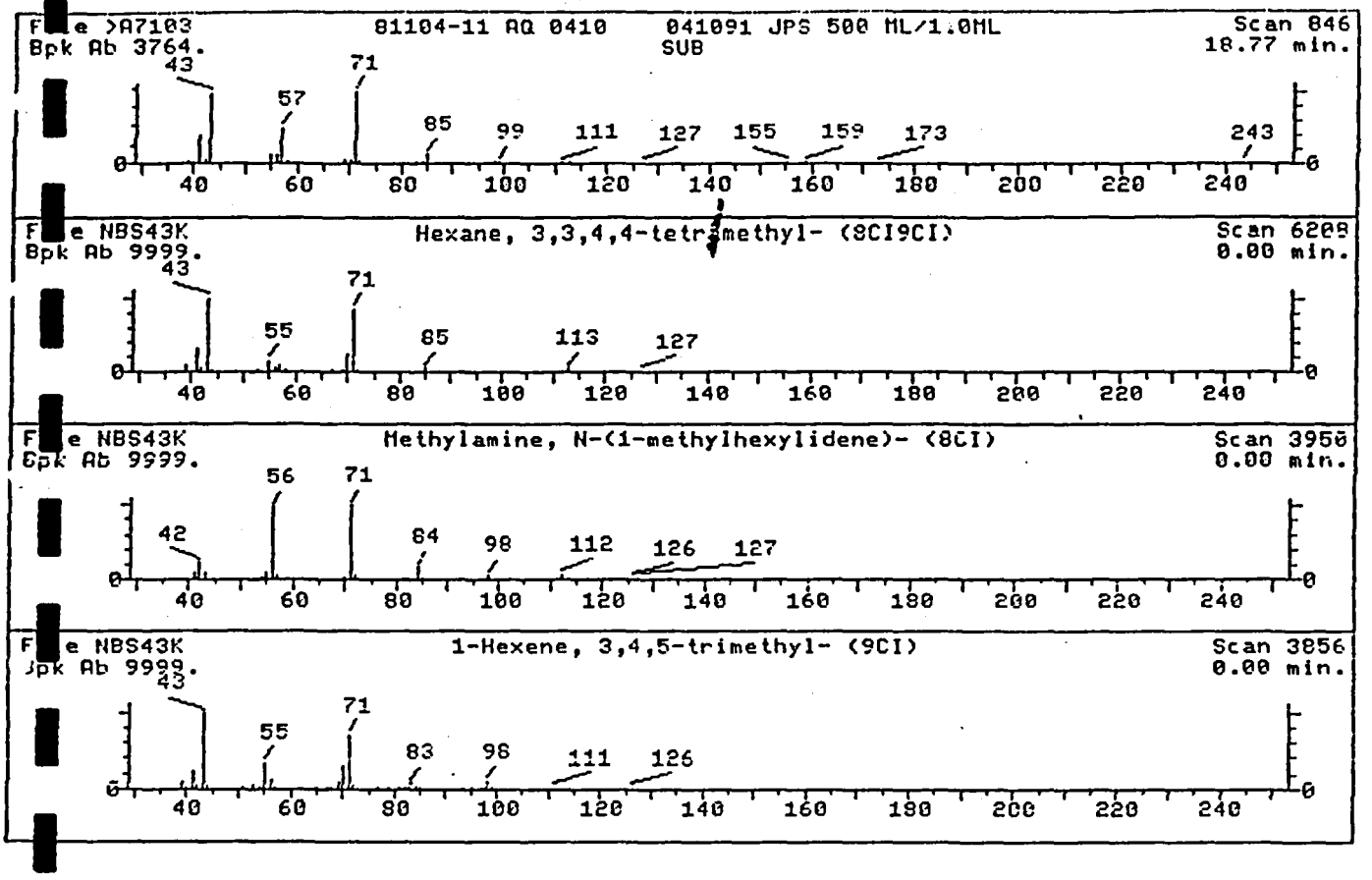



UNKNOWN #,5
AREA = 957494.0 TENTATIVE CONCENTRATION IS 170.00

| | | | |
|---|---|---|---|
| 1. | Dodecanamide, N,N-bis(2-hydroxyethyl)- (8CI9CI) | 287 | C16H33NO3 |
| 2. | Glycine, N-methyl-N-(1-oxododecyl)- (9CI) | 271 | C15H29NO3 |
| 3. | Dodecanoic acid (9CI) | 200 | C12H24O2 |
| 4. | Thiosulfuric acid (H2S2O3), S-(2-aminoethyl) ester (9CI) | 157 | C2H7NO3S2 |
| 5. | Octanoic acid (8CI9CI) | 144 | C8H16O2 |
| 6. | Nonanoic acid (8CI9CI) | 158 | C9H18O2 |

Sample file: >A7103 Spectrum #: 826
Search speed: 1 Tilting option: N No. of ion ranges searched: 43

| | Prob. | CAS # | CON # | ROOT | K | DK | #FLG | TILT | % | CON | C_I | R_IV |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1. | 95 | 120401 | 2016 | NBS43K | 150 | 3 | 0 | 0 | 79 | 2 | 72 | 95 |
| 2. | 93 | 97789 | 2011 | NBS43K | 115 | 35 | 0 | 0 | 90 | 4 | 68 | 80 |
| 3. | 86 | 143077 | 1988 | NBS43K | 101 | 37 | 2 | 0 | 73 | 2 | 60 | 35 |
| 4. | 52* | 2937533 | 1942 | NBS43K | 25 | 111 | 3 | 0 | 115 | 20 | 20 | 13 |

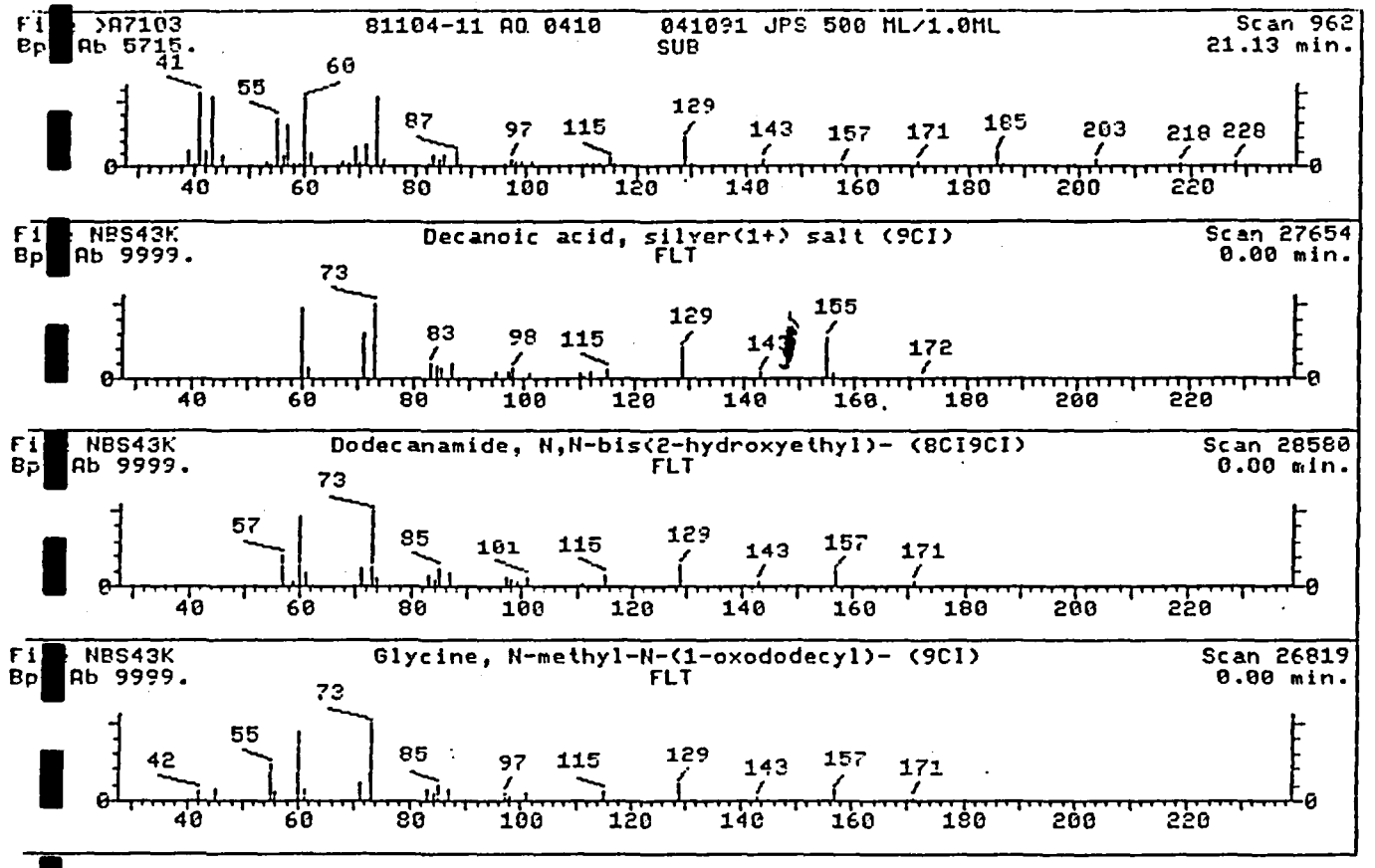



UNKNOWN #,6
AREA = 47351.00 TENTATIVE CONCENTRATION IS 9.00

| | | | |
|---|---|---|---|
| 1. | Hexane, 3,3,4,4-tetramethyl- (8CI9CI) | 142 | C10H22 |
| 2. | Methylamine, N-(1-methylhexylidene)- (8CI) | 127 | C8H17N |
| 3. | 1-Hexene, 3,4,5-trimethyl- (9CI) | 126 | C9H18 |
| 4. | Propanoic acid, 2-methyl-, 1-(1,1-dimethylethyl)-2-m ethyl-1,3-propanediy | 286 | C16H3004 |
| 5. | Dodecane, 1-iodo- (8CI9CI) | 296 | C12H25I |
| 6. | Tetradecane, 1-iodo- (8CI9CI) | 324 | C14H29I |

Sample file: >A7103 Spectrum #: 846
Search speed: 1 Tilting option: N No. of ion ranges searched: 43

| | Prob. | CAS # | CON # | ROOT | K | DK | #FLG | TILT | % | CON | C_I | R_IV |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1. | 52 | 5171846 | 3989 | NBS43K | 40 | 47 | 2 | 0 | 97 | 17 | 20 | 13 |
| 2. | 52* | 22058715 | 3966 | NBS43K | 32 | 56 | 2 | 0 | 100 | 20 | 20 | 16 |
| 3. | 42* | 56728100 | 3965 | NBS43K | 30 | 55 | 3 | 0 | 97 | 24 | 17 | 13 |
| 4. | 25 | 74381401 | 4107 | NBS43K | 54 | 53 | 1 | 0 | 62 | 46 | 7 | 13 |
| 5. | 11 | 4292197 | 6354 | NBS43K | 36 | 72 | 0 | 0 | 27 | 64 | 2 | 15 |
| 6. | 11 | 19218941 | 6367 | NBS43K | 54 | 52 | 1 | 0 | 46 | 64 | 2 | 14 |

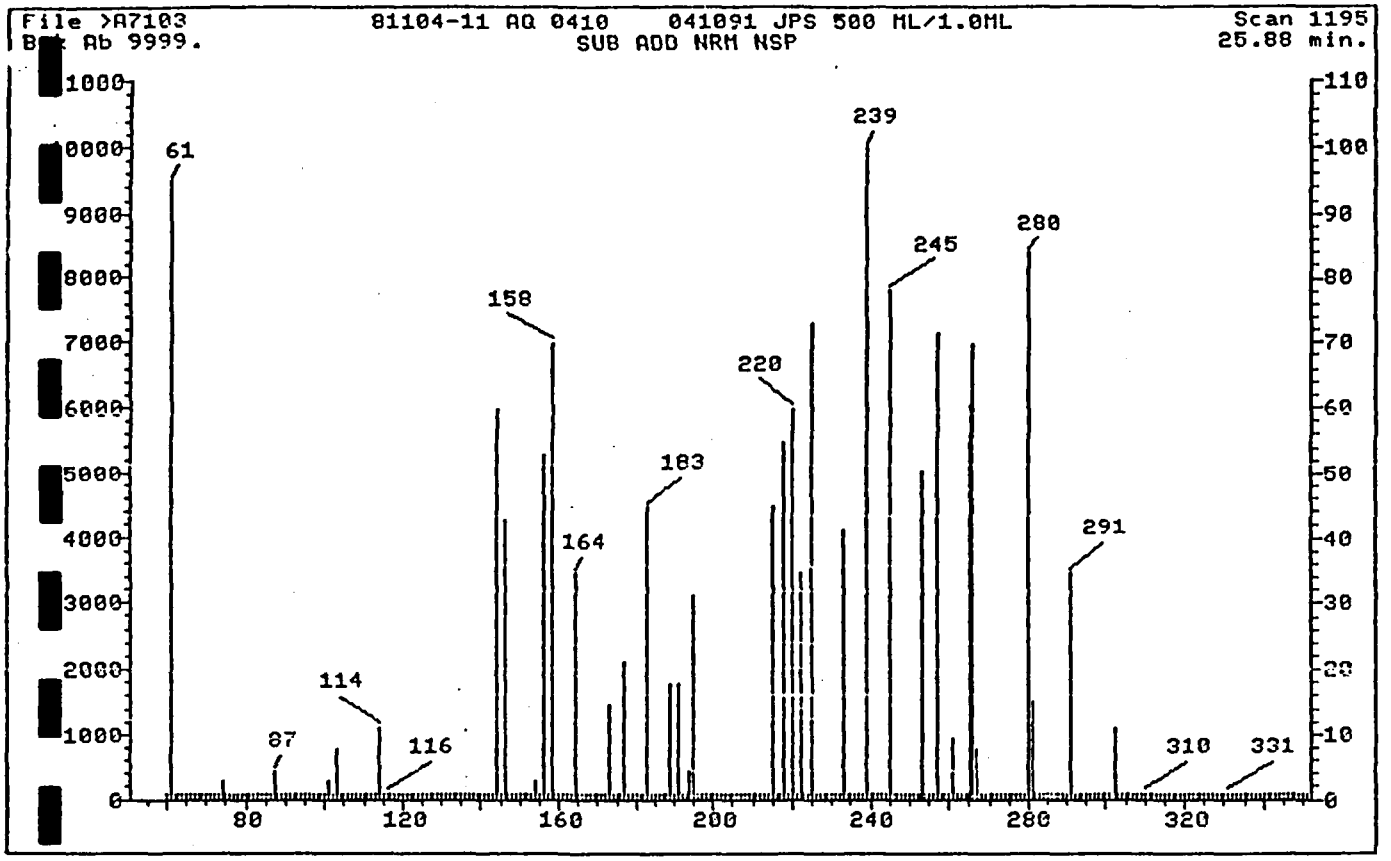



UNKNOWN #,8
AREA = 199018.0 TENTATIVE CONCENTRATION IS 31.00

| | | |
|---|---|---|
| 1. Decanoic acid, silver(1+) salt (9CI) | 279 | C10H20O2.Ag |
| 2. Dodecanamide, N,N-bis(2-hydroxyethyl)- (8CI9CI) | 287 | C16H33NO3 |
| 3. Glycine, N-methyl-N-(1-oxododecyl)- (9CI) | 271 | C15H29NO3 |
| 4. Heptanoic acid (8CI9CI) | 130 | C7H14O2 |
| 5. Butyraldehyde, semicarbazone (8CI) | 129 | C5H11N3O |
| 6. 1,3,4-Thiadiazol-2-amine, 5-ethyl- (9CI) | 129 | C4H7N3S |

Sample file: >A7103 Spectrum #: 962
Search speed: 1 Tilting option: N No. of ion ranges searched: 42

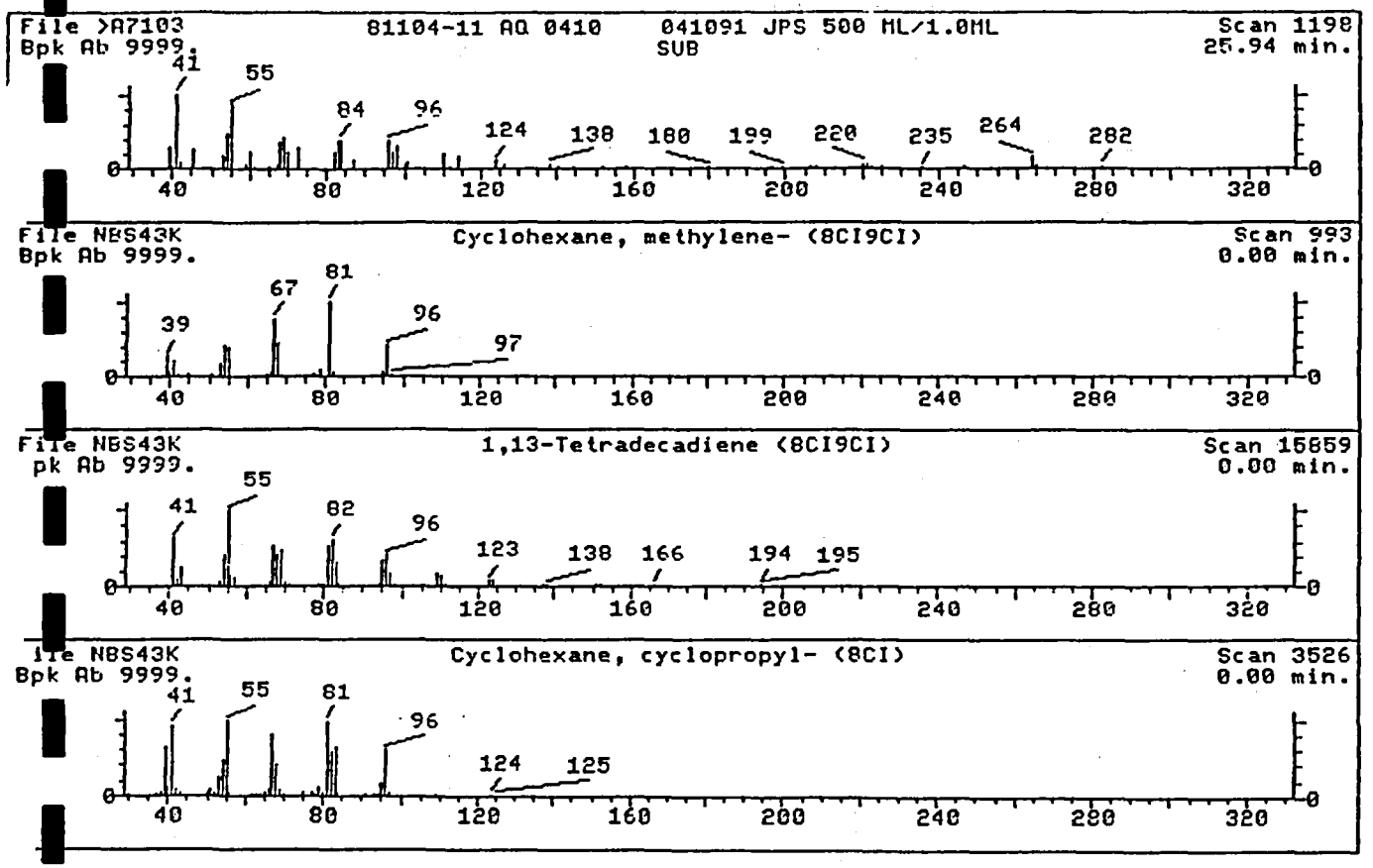
| | Prob. | CAS # | CON # | ROOT | K | DK | #FLG | TILT | % | CON | C_I | R_IV |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1. | 43 | 13126675 | 2012 | NBS43K | 78 | 81 | 3 | 0 | 92 | 21 | 17 | 14 |
| 2. | 35 | 120401 | 2016 | NBS43K | 89 | 64 | 2 | 0 | 69 | 43 | 12 | 26 |
| 3. | 34 | 97789 | 2011 | NBS43K | 68 | 82 | 1 | 0 | 84 | 45 | 12 | 25 |
| 4. | 30* | 111148 | 1909 | NBS43K | 39 | 58 | 1 | 0 | 75 | 46 | 10 | 22 |
| 5. | 25* | 13183216 | 1904 | NBS43K | 22 | 93 | 3 | 0 | 93 | 46 | 7 | 12 |
| 6. | 25* | 14068532 | 1903 | NBS43K | 26 | 98 | 3 | 0 | 74 | 41 | 8 | 13 |




UNKNOWN #,12
AREA = 84510.00 TENTATIVE CONCENTRATION IS 18.00

Sample file: >A7103 Spectrum #: 1195

No data base entries were retrieved.




UNKNOWN #,13

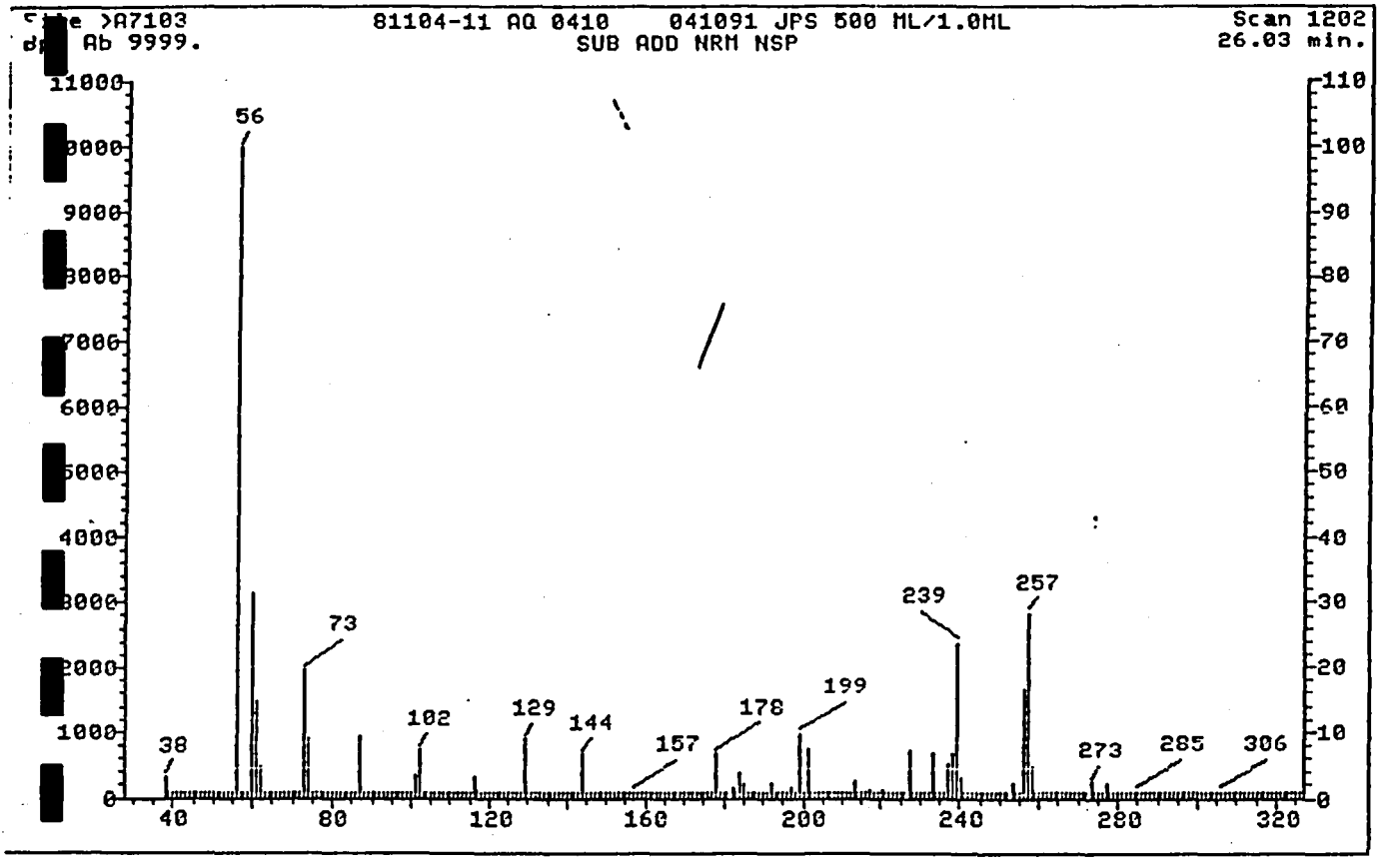
AREA = 249118.0 TENTATIVE CONCENTRATION IS 54.00

| | | |
|---|---|---|
| 1. Cyclohexane, methylene- (8CI9CI) | 96 | C7H12 |
| 2. 1,13-Tetradecadiene (8CI9CI) | 194 | C14H26 |
| 3. Cyclohexane, cyclopropyl- (8CI) | 124 | C9H16 |
| 4. 8-Nonenoic acid (8CI9CI) | 156 | C9H16O2 |
| 5. Cyclohexene, 1-methyl- (8CI9CI) | 96 | C7H12 |
| 6. Cycloheptene (8CI9CI) | 96 | C7H12 |

Sample file: >A7103 Spectrum #: 1198

Search speed: 1 Tilting option: N No. of ion ranges searched: 47

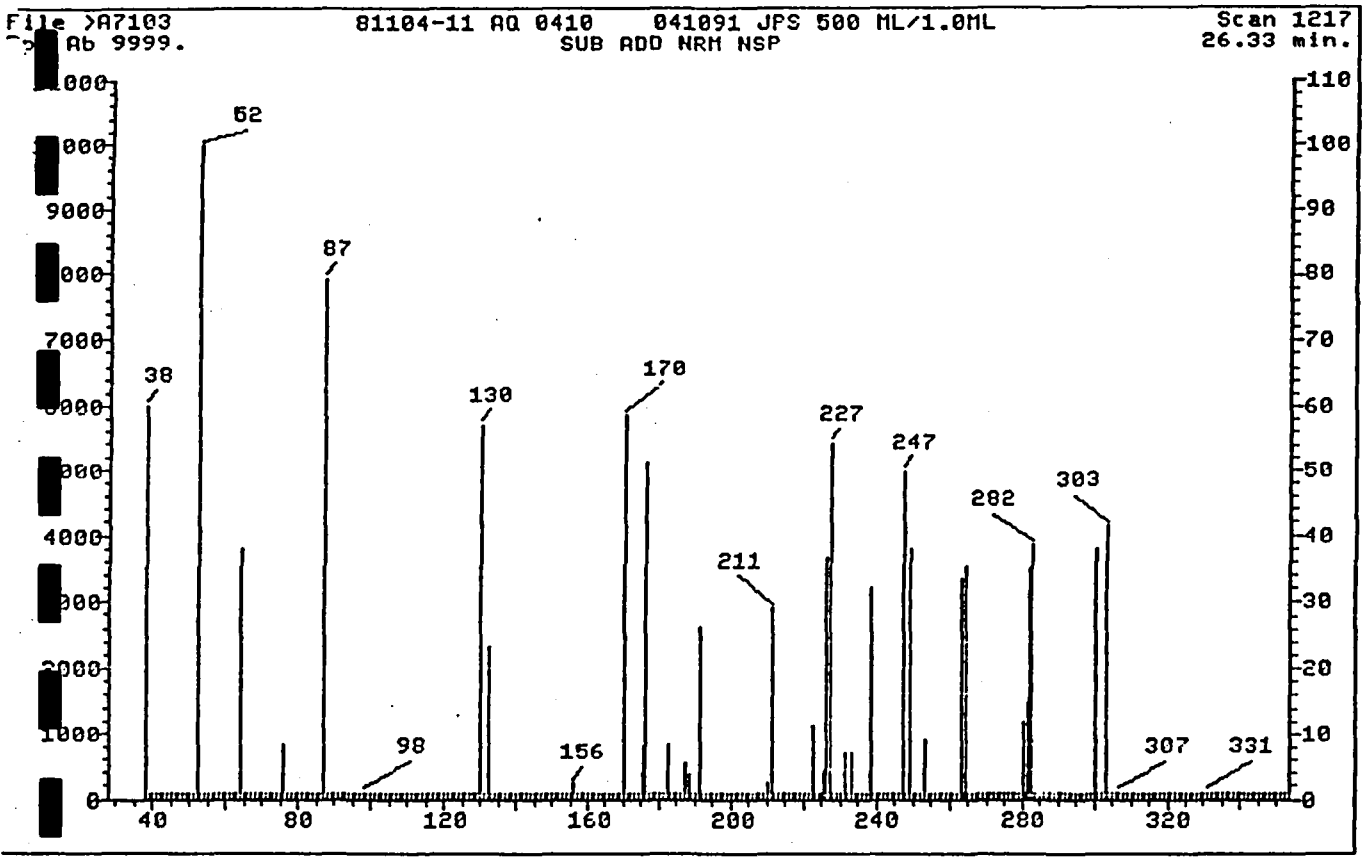
| | Prob. | CAS # | CON # | ROOT | K | DK | #FLG | TILT | % | CON | C_I | R_IV |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 25* | 1192376 | 8201 | NBS43K | 43 | 61 | 2 | 0 | 84 | 47 | 7 | 15 |
| 2 | 25* | 21964498 | 8287 | NBS43K | 39 | 89 | 3 | 0 | 88 | 46 | 7 | 13 |
| 3. | 20* | 32669866 | 8226 | NBS43K | 41 | 80 | 3 | 0 | 64 | 54 | 5 | 13 |
| 4. | 20* | 31642678 | 1941 | NBS43K | 31 | 86 | 3 | 0 | 88 | 51 | 5 | 13 |
| 5 | 15* | 591491 | 8196 | NBS43K | 35 | 70 | 2 | 0 | 77 | 60 | 3 | 14 |
| 6 | 15* | 628922 | 736 | NBS43K | 23 | 79 | 3 | 0 | 48 | 56 | 3 | 12 |




UNKNOWN #,14
AREA = 69160.00 TENTATIVE CONCENTRATION IS 15.00

Sample file: >A7103 Spectrum #: 1202

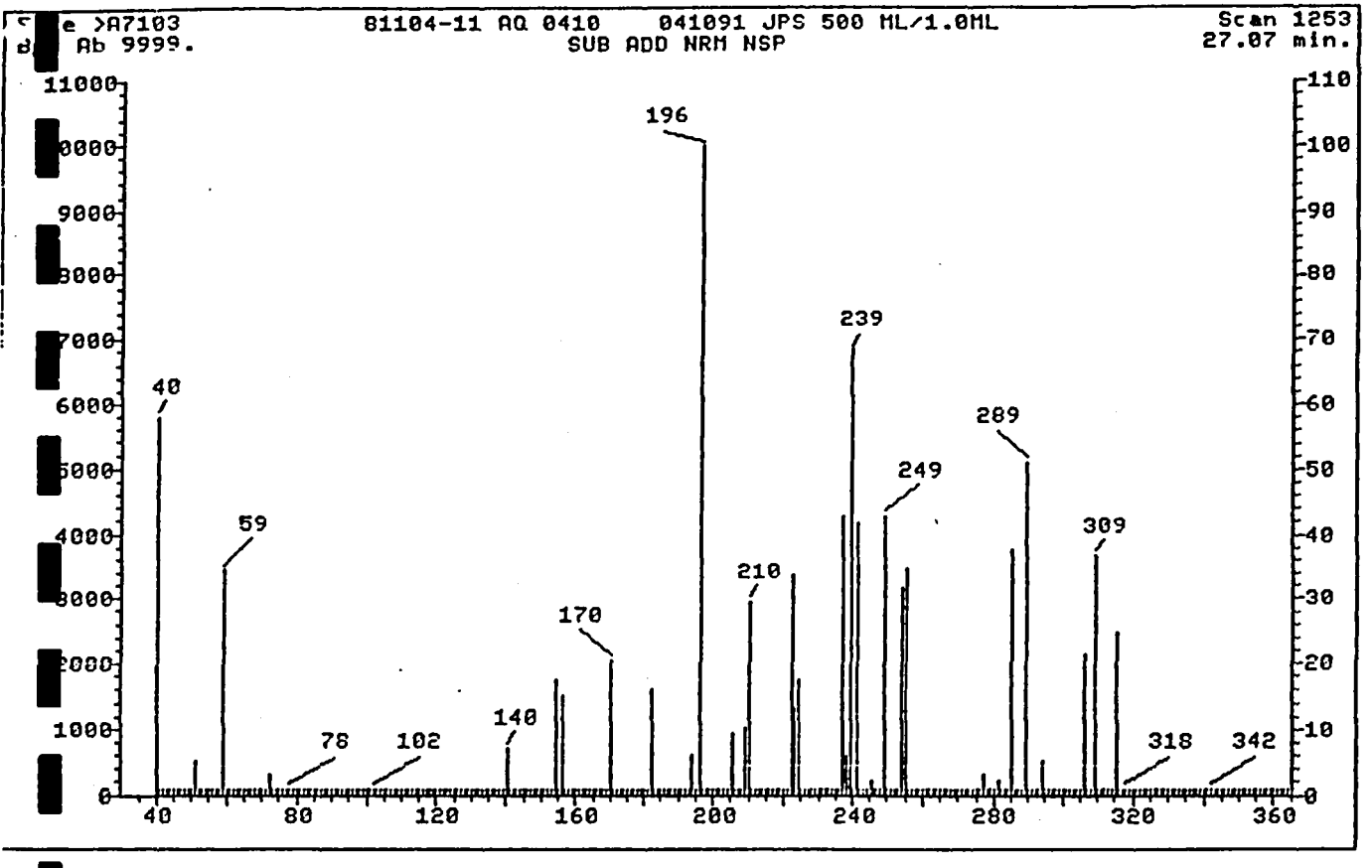
No data base entries were retrieved.




UNKNOWN #,16
AREA = 75083.00 TENTATIVE CONCENTRATION IS 16.00

Sample file: >A7103 Spectrum #: 1217

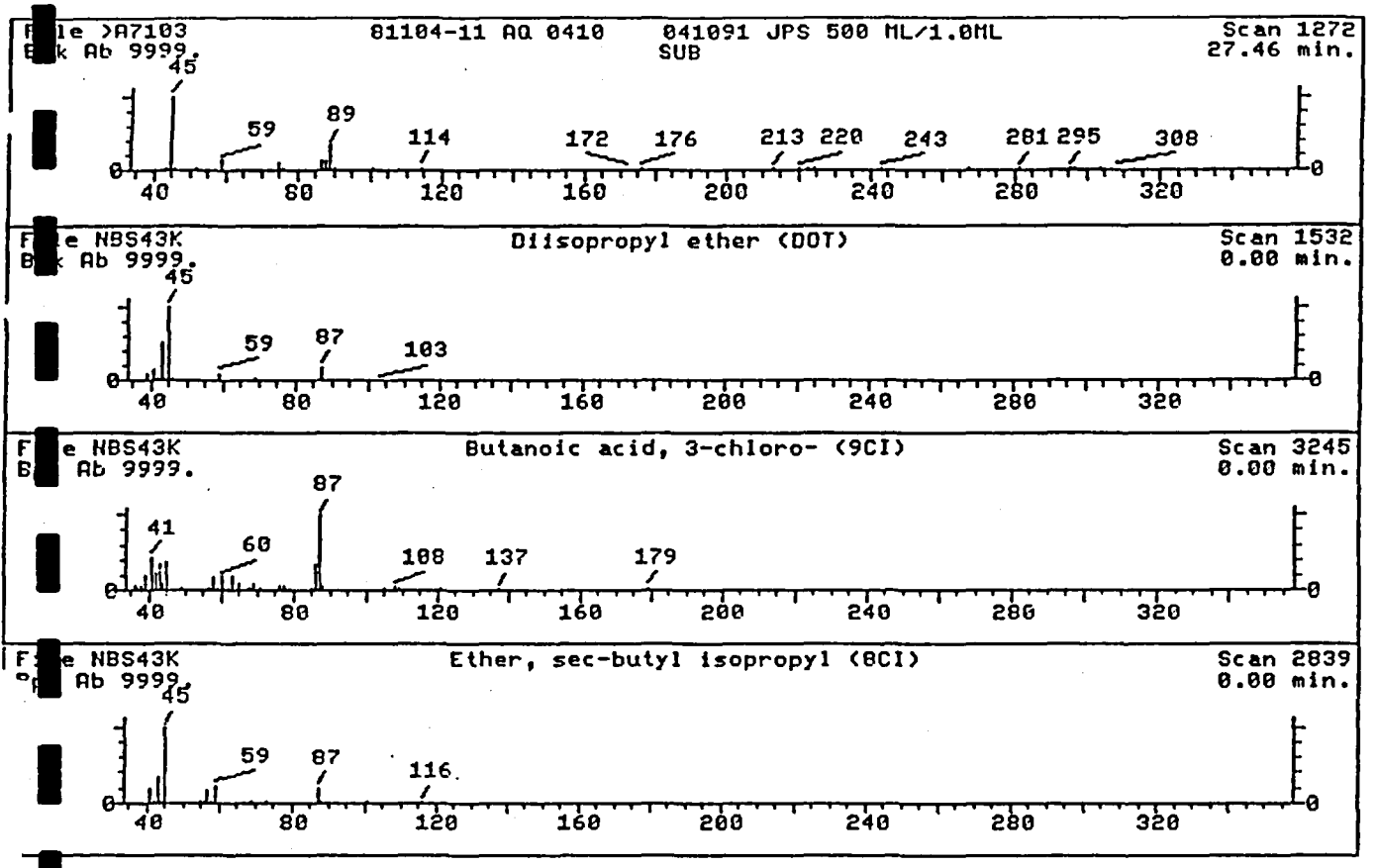
No data base entries were retrieved.




UNKNOWN #,17
AREA = 126112.0 TENTATIVE CONCENTRATION IS 27.00

Sample file: >A7103 Spectrum #: 1253

No data base entries were retrieved.

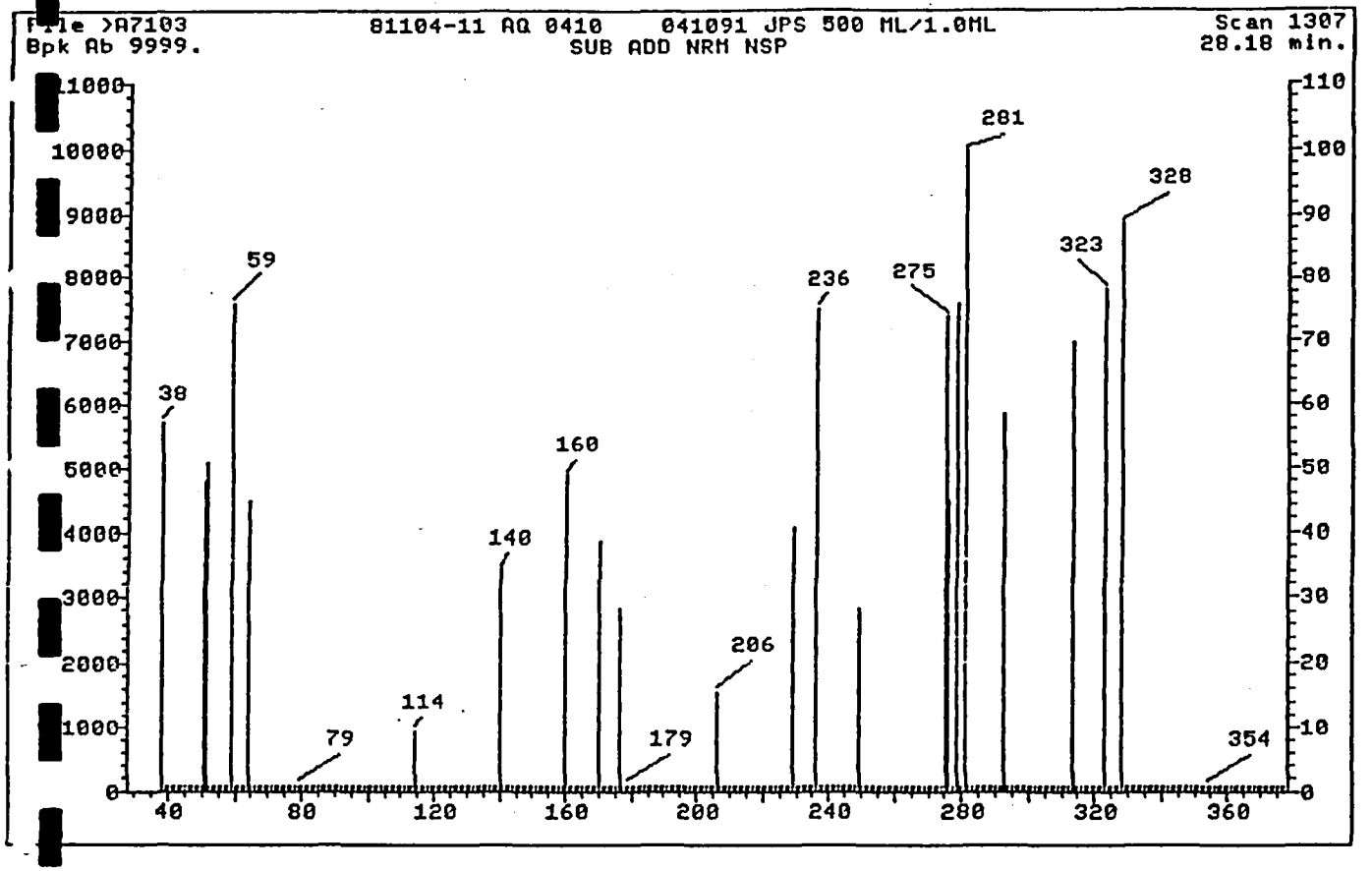



UNKNOWN #,18
AREA = 68245.00 TENTATIVE CONCENTRATION IS 15.00

| | | |
|---|---|---|
| 1. Diisopropyl ether (DOT) | 102 | C6H14O |
| 2. Butanoic acid, 3-chloro- (9CI) | 122 | C4H7ClO2 |
| 3. Ether, sec-butyl isopropyl (8CI) | 116 | C7H16O |
| 4. Acetic acid, methoxy-, ethyl ester (8CI9CI) | 118 | C5H10O3 |
| 5. Pentane, 1-bromo-5-methoxy- (9CI) | 180 | C6H13BrO |
| 6. 1,3-Butanediol (8CI9CI) | 90 | C4H10O2 |

Sample file: >A7103 Spectrum #: 1272
Search speed: 1 Tilting option: N No. of ion ranges searched: 100

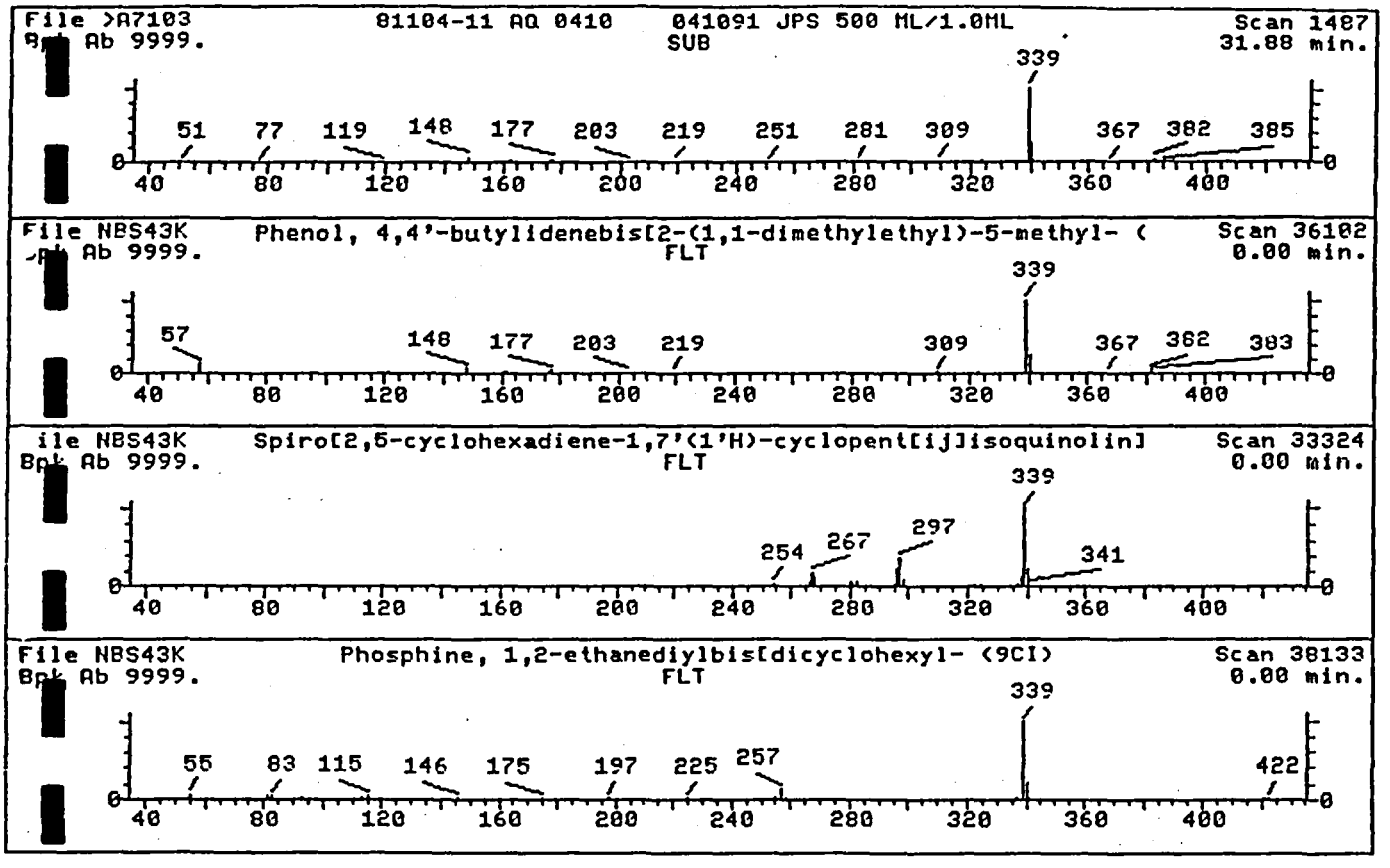
| | Prob. | CAS # | CON # | ROOT | K | DK | #FLG | TILT | % | CON | C_I | R_IV |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1. | 31* | 108203 | 6691 | NBS43K | 31 | 51 | 1 | 0 | 71 | 40 | 10 | 17 |
| 2. | 29* | 1951128 | 6732 | NBS43K | 22 | 82 | 3 | 0 | 270 | 34 | 12 | 12 |
| 3. | 28* | 18641811 | 6718 | NBS43K | 24 | 57 | 2 | 0 | 68 | 40 | 10 | 14 |
| 4. | 27* | 3938963 | 7095 | NBS43K | 23 | 62 | 2 | 0 | 100 | 38 | 10 | 13 |
| 5. | 26 | 14155863 | 361 | NBS43K | 37 | 40 | 1 | 0 | 90 | 41 | 8 | 14 |
| 6. | 26* | 107880 | 337 | NBS43K | 25 | 50 | 1 | 0 | 77 | 41 | 8 | 14 |




UNKNOWN #,19
AREA = 185286.0 TENTATIVE CONCENTRATION IS 40.00

ample file: >A7103 Spectrum #: 1307

N data base entries were retrieved.

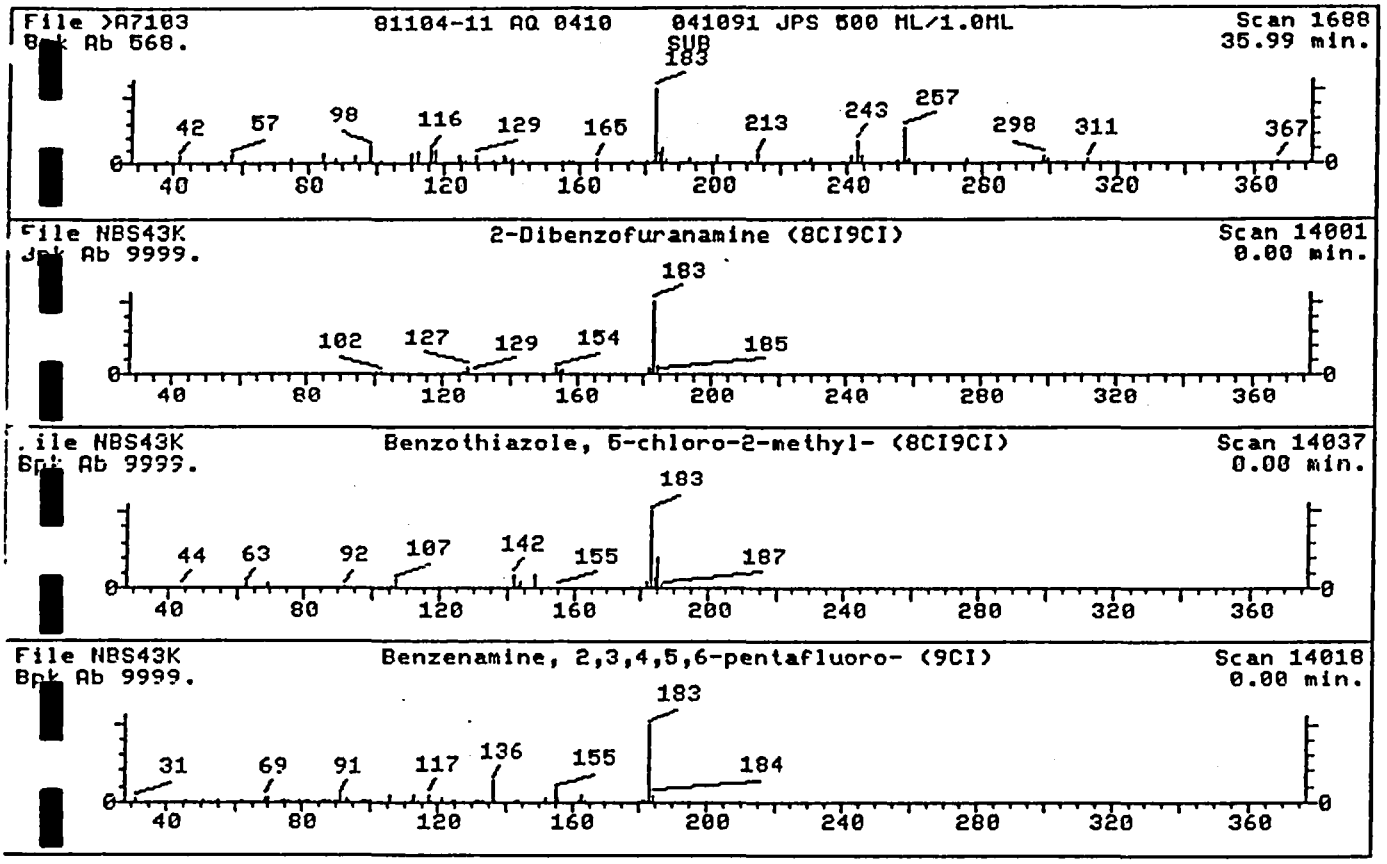



UNKNOWN #,20
AREA = 519372.0 TENTATIVE CONCENTRATION IS 150.00

1. Phenol, 4,4'-butylidenebis[2-(1,1-dimethylethyl)-5-m ethyl- (9CI) 382 C26H38O2
2. Spiro[2,5-cyclohexadiene-1,7'(1'H)-cyclopent[ij]isoq uinolin]-4-one, 1'-a 339 C20H21NO4
3. Phosphine, 1,2-ethanediylbis[dicyclohexyl- (9CI) 422 C26H48P2

Sample file: >A7103 Spectrum #: 1487
Search speed: 1 Tilting option: N No. of ion ranges searched: 49

| | Prob. | CAS # | CON # | ROOT | K | DK | #FLG | TILT | % | CON | C_I | R_IV |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1. | 98* | 85609 | 36960 | NBS43K | 126 | 12 | 1 | 0 | 84 | 12 | 64 | 99 |
| . | 52* | 4880879 | 36946 | NBS43K | 25 | 135 | 3 | 0 | 100 | 18 | 20 | 13 |
| . | 15* | 23743262 | 36967 | NBS43K | 26 | 85 | 1 | 0 | 43 | 58 | 3 | 14 |

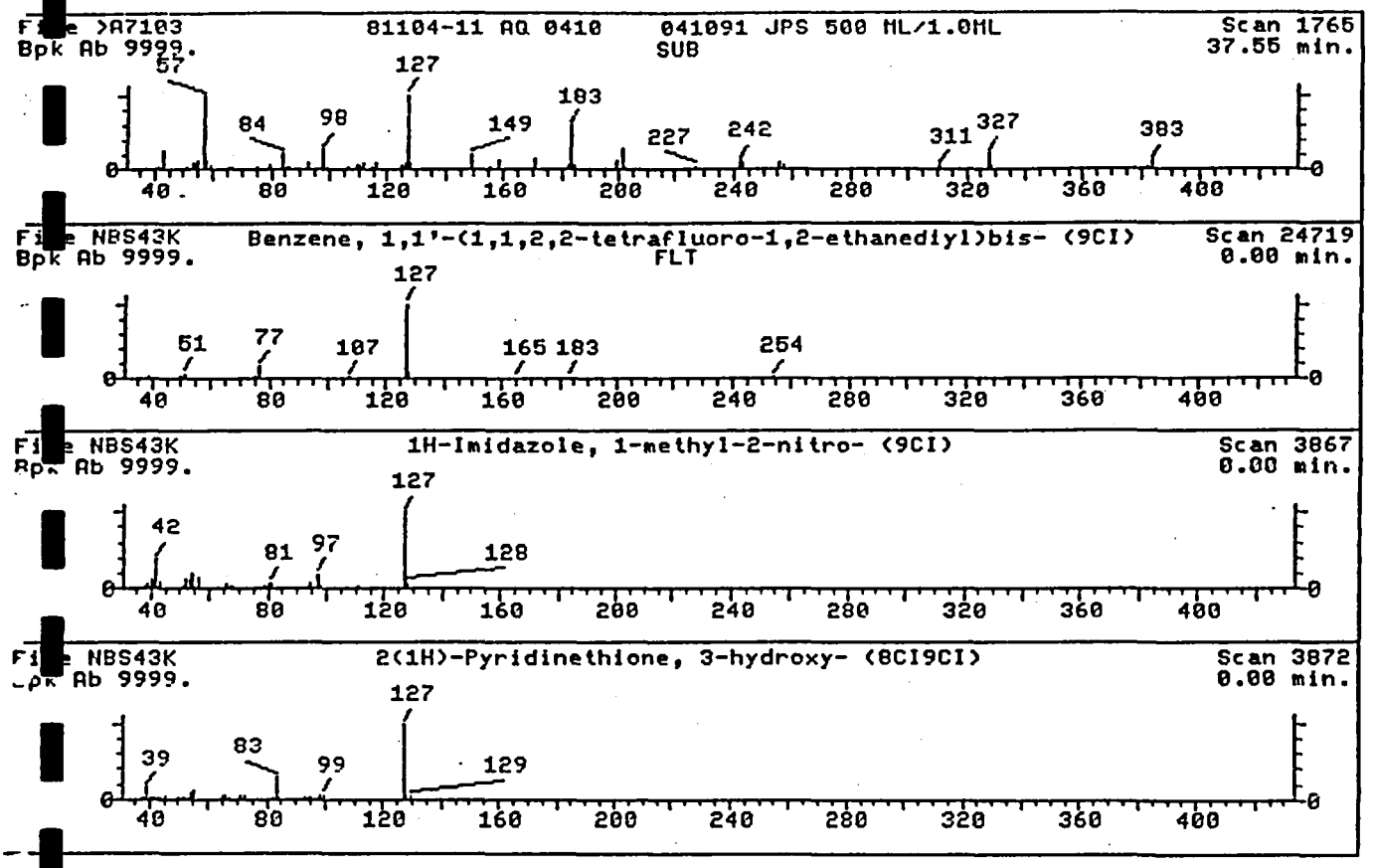



UNKNOWN #,21
AREA = 60603.00 TENTATIVE CONCENTRATION IS 18.00

1. 2-Dibenzofuranamine (8CI9CI) 183 C12H9NO
2. Benzothiazole, 5-chloro-2-methyl- (8CI9CI) 183 C8H6ClNS
3. Benzenamine, 2,3,4,5,6-pentafluoro- (9CI) 183 C6H2F5N
4. 4-Dibenzofuranamine (9CI) 183 C12H9NO

Sample file: >A7103 Spectrum #: 1688
Search speed: 1 Tilting option: N No. of ion ranges searched: 42

| | Prob. | CAS # | CON # | ROOT | K | DK | #FLG | TILT | % | CON | C_I | R_IV |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1. | 15* | 3693229 | 22454 | NBS43K | 27 | 71 | 3 | 0 | 100 | 56 | 3 | 13 |
| 2. | 15* | 1006991 | 22476 | NBS43K | 29 | 82 | 3 | 0 | 100 | 56 | 3 | 13 |
| 3. | 15* | 771608 | 22468 | NBS43K | 26 | 80 | 3 | 0 | 100 | 56 | 3 | 13 |
| 4. | 15* | 50548431 | 22461 | NBS43K | 23 | 81 | 3 | 0 | 100 | 56 | 3 | 12 |




UNKNOWN #,22
AREA = 37351.00 TENTATIVE CONCENTRATION IS 11.00

| | | | |
|---|---|---|---|
| 1. | Benzene, 1,1'-(1,1,2,2-tetrafluoro-1,2-ethanediyl)bis- (9CI) | 254 | C14H10F4 |
| 2. | 1H-Imidazole, 1-methyl-2-nitro- (9CI) | 127 | C4H5N3O2 |
| 3. | 2(1H)-Pyridinethione, 3-hydroxy- (8CI9CI) | 127 | C5H5NOS |
| 4. | 2,5-Pyrrolidinedione, 3-ethyl-1,3-dimethyl- (9CI) | 155 | C8H13NO2 |
| 5. | 3,5-Heptanedione, 2,2,6,6-tetramethyl- (8CI9CI) | 184 | C11H20O2 |
| 6. | 2H-Azepin-2-one, hexahydro-1-methyl- (8CI9CI) | 127 | C7H13NO |

Sample file: >A7103 Spectrum #: 1765
Search speed: 1 Tilting option: N No. of ion ranges searched: 45

| | Prob. | CAS # | CON # | ROOT | K | DK | #FLG | TILT | % | CON | C_I | R_IV |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 15 | 425321 | 13797 | NBS43K | 42 | 48 | 1 | 0 | 69 | 56 | 3 | 15 |
| 2. | 15* | 1671825 | 13626 | NBS43K | 33 | 65 | 3 | 0 | 100 | 57 | 3 | 13 |
| 3. | 15* | 23003227 | 13630 | NBS43K | 25 | 62 | 2 | 0 | 100 | 57 | 3 | 14 |
| 4. | 15* | 13861999 | 13686 | NBS43K | 25 | 65 | 2 | 0 | 100 | 57 | 3 | 14 |
| | 15* | 1118714 | 13728 | NBS43K | 31 | 75 | 2 | 0 | 100 | 57 | 3 | 14 |
| 6. | 15* | 2556732 | 13655 | NBS43K | 26 | 73 | 3 | 0 | 231 | 57 | 3 | 13 |