NYC 9/11 Public Portal Document

User: Vinci, David L
Westchester Dept. of Labs & Research
Date: 01/29/2002 Time: 12:01:14

Sample: AE00699
Analysis: $GCMS GCMS Scan For Unknowns
Units: ug
Started: 1/29/02 12:00 Ended: 1/29/02 12:00 Analyst: DLV
Page: 1

| | Component Name | Viol | Result | Qualifier | MDL |
|---|---|---|---|---|---|
| 1 | Other unknown compounds | | . | | |
| 2 | Surr_2,4-DDD | | 103 | | 5.0 |

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**Comments for Sample AE00699 - Analysis $GCMS**

Westchester Dept. of Labs & Research
User: Vinci, David L
Date: 01-29-2002 Time: 12:01:35

The GCMS scan, from 35 to 550 amu, does not reveal the presence of unusual compounds.
The recoveries for 15 of the 43 compounds in the LCS Standard were outside of their acceptance ranges.

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Quantitation Report (Not Reviewed)

Data File : C:\MSDCHEM\1\5973N\02JAN16\00699.D Vial: 4
Acq On : 16 Jan 2002 1:20 pm Operator:
Sample : 508scan Inst : Instrumen
Misc : January 16, 2002 Multiplr: 1.00
MS Integration Params: SPLIT.P
Quant Time: Jan 16 14:05:05 2002 Quant Results File: SCAN508.RES

Quant Method : C:\MSDCHEM\1...\SCAN508.M (RTE Integrator)
Title : 508 scan method
Last Update : Fri Jan 11 13:20:07 2002
Response via : Initial Calibration
DataAcq Meth : SCAN508

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 9.71 | 152 | 1122891 | 20.00 | ug/L | 0.00 |
| 10) Naphthalene-d8 | 13.19 | 136 | 4710465 | 20.00 | ug/L | -0.02 |
| 17) Acenaphthene-d10 | 18.34 | 164 | 2474159 | 20.00 | ug/L | -0.01 |
| 29) Phenanthrene-d10 | 22.63 | 188 | 4146871 | 20.00 | ug/L | -0.03 |
| 38) Chrysene-d12 | 30.49 | 240 | 3630816 | 20.00 | ug/L | -0.02 |
| 44) Perylene-d12 | 34.42 | 264 | 2619126 | 20.00 | ug/L | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 37) 2,4-DDD | 27.73 | 235 | 338093 | 5.16 | ug/L | 0.00 |
| Spiked Amount 5.000 | | | Recovery = 103.20% | | | |
| **Target Compounds** | | | | | | Qvalue |
| 2) n-Nitrosodimethylamine | 3.60 | 74 | 10907 | 0.23 | ug/L # | 10 |
| 20) Dimethylphthalate | 18.34 | 163 | 404818 | 2.48 | ug/L # | 55 |
| 21) 2,6-Dinitrotoluene | 18.34 | 165 | 312420 | 9.80 | ug/L # | 17 |
| 35) Di-n-butylphthalate | 24.85 | 149 | 10526 | 0.04 | ug/L # | 76 |
| 41) Benzo(a)anthracene | 30.49 | 228 | 8058 | 0.04 | ug/L # | 49 |
| 42) Bis(2-ethylhexyl)phthalate | 31.11 | 149 | 5187 | 0.58 | ug/L # | 44 |
| 43) Chrysene | 30.49 | 228 | 8058 | 0.04 | ug/L # | 46 |
| 48) Benzo(a)pyrene | 34.42 | 252 | 8272 | 0.05 | ug/L # | 1 |

(#) = qualifier out of range (m) = manual integration
00699.D SCAN508.M Wed Jan 16 14:05:06 2002 Page 1

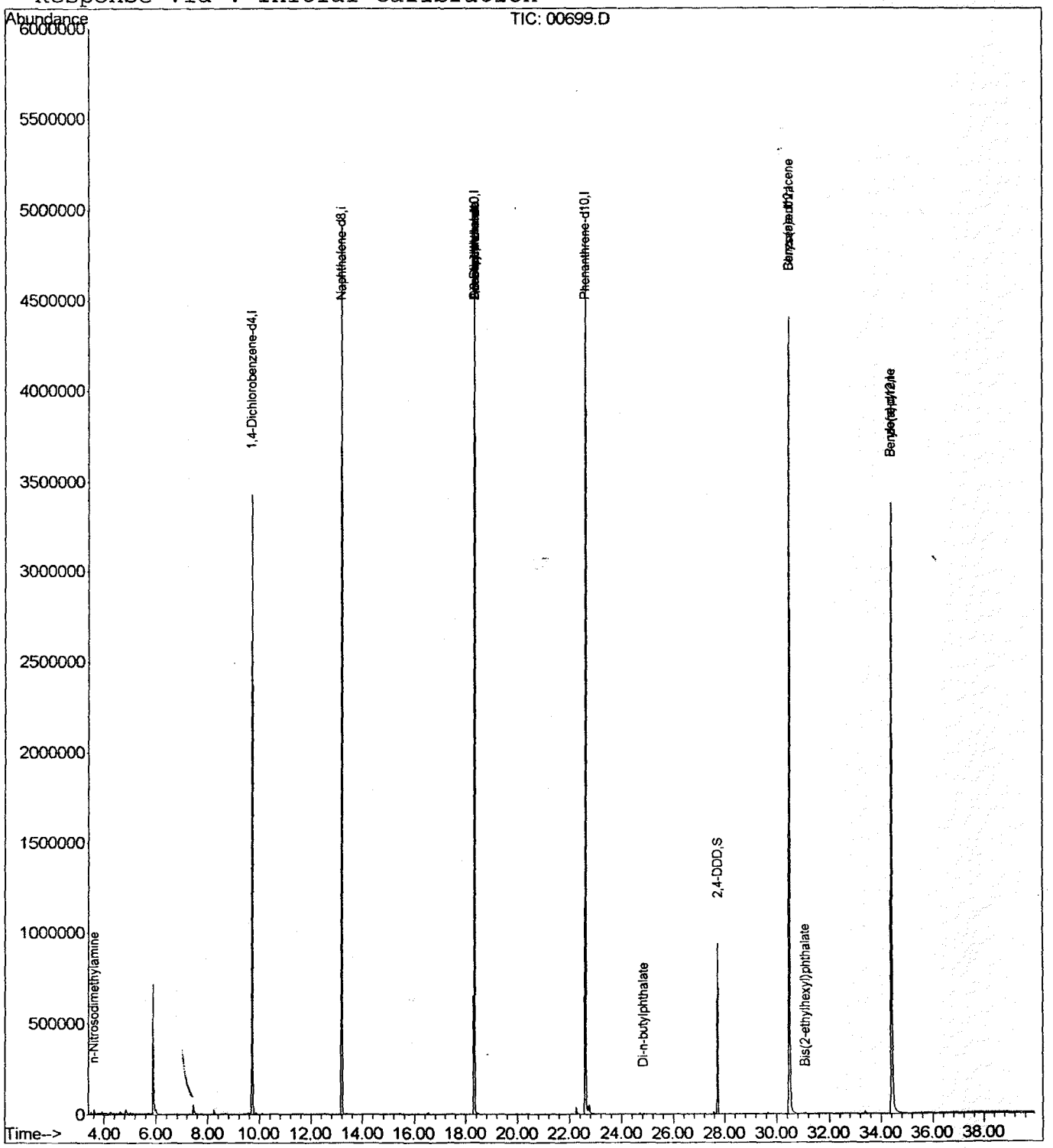
NYC-WTC_000052003

NYC 9/11 Public Portal Document

Quantitation Report (Not Reviewed)

Data File : C:\MSDCHEM\1\5973N\02JAN16\00699.D Vial: 4
Acq On : 16 Jan 2002 1:20 pm Operator:
Sample : 508scan Inst : Instrumen
Misc : January 16, 2002 Multiplr: 1.00
MS Integration Params: SPLIT.P
Quant Time: Jan 16 14:05 2002 Quant Results File: SCAN508.RE

Method : C:\MSDCHEM\1\METHODS\METHODS\SCAN508.M (RTE Integrator)
Title : 508 scan method
Last Update : Fri Jan 11 13:20:07 2002
Response via : Initial Calibration






NYC-WTC_000052004

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# LSC Area Percent Report

Data File : C:\MSDCHEM\1\5973N\02JAN16\00699.D  Vial: 4
Acq On : 16 Jan 2002 1:20 pm  Operator:
Sample : 508scan  Inst : Instrumen
Misc : January 16, 2002  Multiplr: 1.00
MS Integration Params: LSCINT.P

Method : C:\MSDCHEM\1\METHODS\METHODS\SCAN508.M (RTE Integrator)
Title : 508 scan method
Smoothing : OFF  Filtering: 5
Sampling : 2  Min Area: 100 Area counts
Start Thrs: 0.2  Max Peaks: 20
Stop Thrs : 0  Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Signal : TIC

| peak # | R.T. min | first scan | max scan | last scan | PK TY | peak height | corr. area | corr. % max. | % of total |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 3.488 | 5 | 10 | 17 | rBV | 17039 | 33887 | 0.31% | 0.057% |
| 2 | 3.602 | 17 | 20 | 25 | rVV | 27420 | 44714 | 0.41% | 0.075% |
| 3 | 4.241 | 73 | 76 | 83 | rVB4 | 15489 | 34564 | 0.32% | 0.058% |
| 4 | 4.630 | 107 | 110 | 119 | rVB3 | 14298 | 32158 | 0.29% | 0.054% |
| 5 | 4.835 | 123 | 128 | 137 | rVV2 | 24433 | 63829 | 0.58% | 0.107% |
| 6 | 5.886 | 215 | 220 | 229 | rBV | 710338 | 1345943 | 12.31% | 2.263% |
| 7 | 7.438 | 351 | 356 | 373 | rBV | 53587 | 139778 | 1.28% | 0.235% |
| 8 | 8.237 | 421 | 426 | 435 | rVB | 28744 | 65014 | 0.59% | 0.109% |
| 9 | 9.710 | 551 | 555 | 561 | rVV | 3426369 | 6371379 | 58.29% | 10.714% |
| 10 | 9.859 | 561 | 568 | 577 | rVB | 10469 | 30559 | 0.28% | 0.051% |
| 11 | 13.192 | 855 | 860 | 865 | rBV | 4907340 | 9049049 | 82.79% | 15.216% |
| 12 | 18.341 | 1305 | 1311 | 1315 | rBV | 4999343 | 10039064 | 91.85% | 16.881% |
| 13 | 22.280 | 1651 | 1656 | 1661 | rBV | 39670 | 74636 | 0.68% | 0.126% |
| 14 | 22.634 | 1681 | 1687 | 1693 | rBV2 | 4908526 | 10930435 | 100.00% | 18.380% |
| 15 | 22.771 | 1693 | 1699 | 1709 | rVB | 53542 | 174351 | 1.60% | 0.293% |
| 16 | 27.578 | 2115 | 2120 | 2127 | rVB2 | 15077 | 37002 | 0.34% | 0.062% |
| 17 | 27.726 | 2127 | 2133 | 2139 | rBV | 938827 | 1658982 | 15.18% | 2.790% |
| 18 | 30.489 | 2369 | 2375 | 2381 | rBV2 | 4406984 | 10487239 | 95.95% | 17.635% |
| 19 | 33.400 | 2627 | 2630 | 2639 | rBV2 | 17663 | 43957 | 0.40% | 0.074% |
| 20 | 34.416 | 2713 | 2719 | 2749 | rBV | 3376706 | 8813402 | 80.63% | 14.820% |

Sum of corrected areas: 59469942



NYC-WTC_000052005

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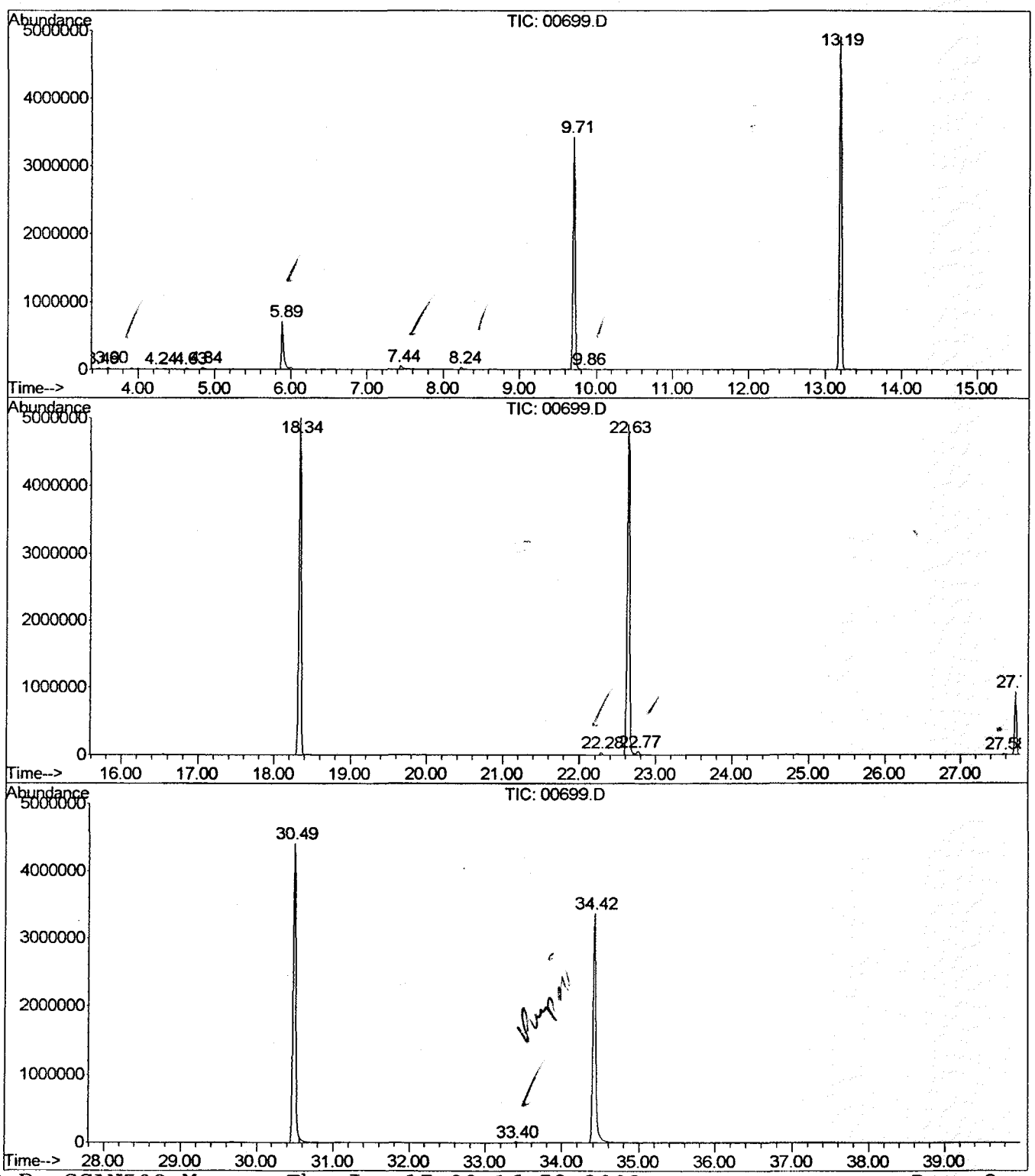
LSC Report - Integrated Chromatogram

File : C:\MSDCHEM\1\5973N\02JAN16\00699.D
Operator :
Acquired : 16 Jan 2002 1:20 pm using AcqMethod SCAN508
Instrument : Instrumen
Sample Name: 508scan
Misc Info : January 16, 2002
Vial Number: 4
Quant File :SCAN508.RES (RTE Integrator)






NYC-WTC_000052006

NYC 9/11 Public Portal Document

# Library Search Compound Report

Data File : C:\MSDCHEM\1\5973N\02JAN16\00699.D  Vial: 4
Acq On : 16 Jan 2002 1:20 pm  Operator:
Sample : 508scan  Inst : Instrumen
Misc : January 16, 2002  Multiplr: 1.00
MS Integration Params: LSCINT.P

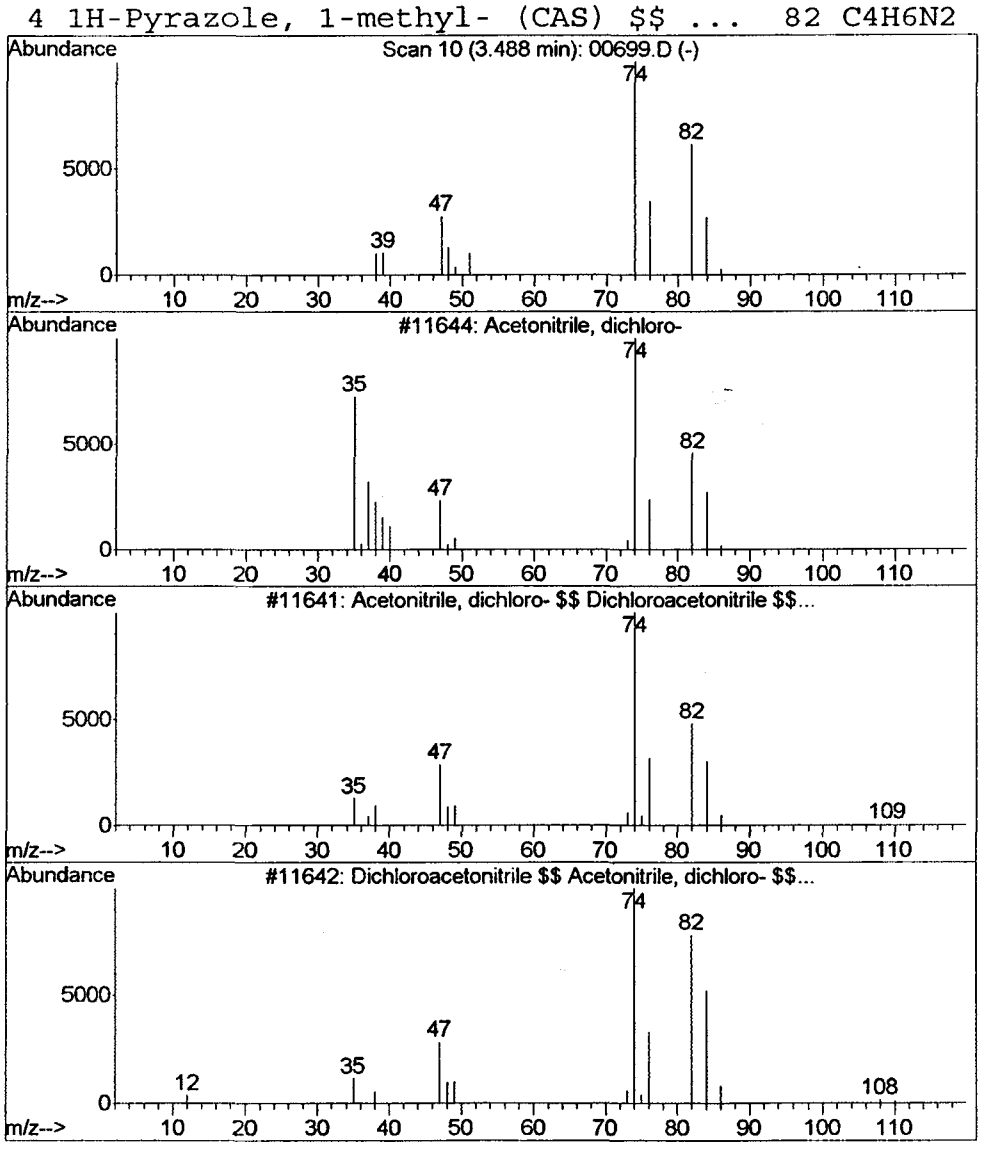
Quant Method : C:\MSDCHEM\1...\SCAN508.M (RTE Integrator)
Title : 508 scan method
Library : C:\DATABASE\WILEY7N.L

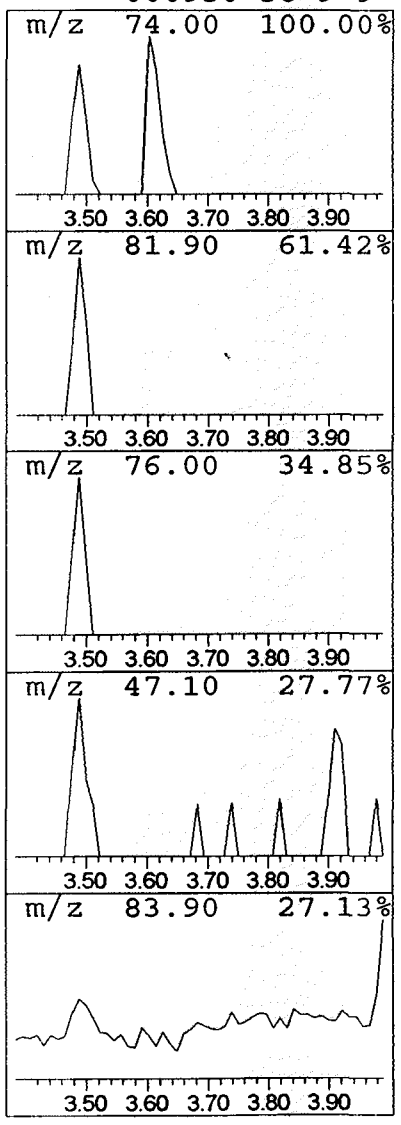
**********

Peak Number 1 Acetonitrile, dichloro- Concentration Rank 8

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 3.49 | 0.11 ug/L | 33887 | 1,4-Dichlorobenzene-d4 | 9.71 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Acetonitrile, dichloro- | 109 | C2HCl2N | 003018-12-0 | 78 |
| 2 | Acetonitrile, dichloro- $$ Dichl... | 109 | C2HCl2N | 003018-12-0 | 74 |
| 3 | Dichloroacetonitrile $$ Acetonit... | 109 | C2HCl2N | 003018-12-0 | 56 |
| 4 | 1H-Pyrazole, 1-methyl- (CAS) $$ ... | 82 | C4H6N2 | 000930-36-9 | 9 |






NYC-WTC_000052007

NYC 9/11 Public Portal Document

# Library Search Compound Report

Data File : C:\MSDCHEM\1\5973N\02JAN16\00699.D  Vial: 4
Acq On : 16 Jan 2002 1:20 pm  Operator:
Sample : 508scan  Inst : Instrumen
Misc : January 16, 2002  Multiplr: 1.00
MS Integration Params: LSCINT.P

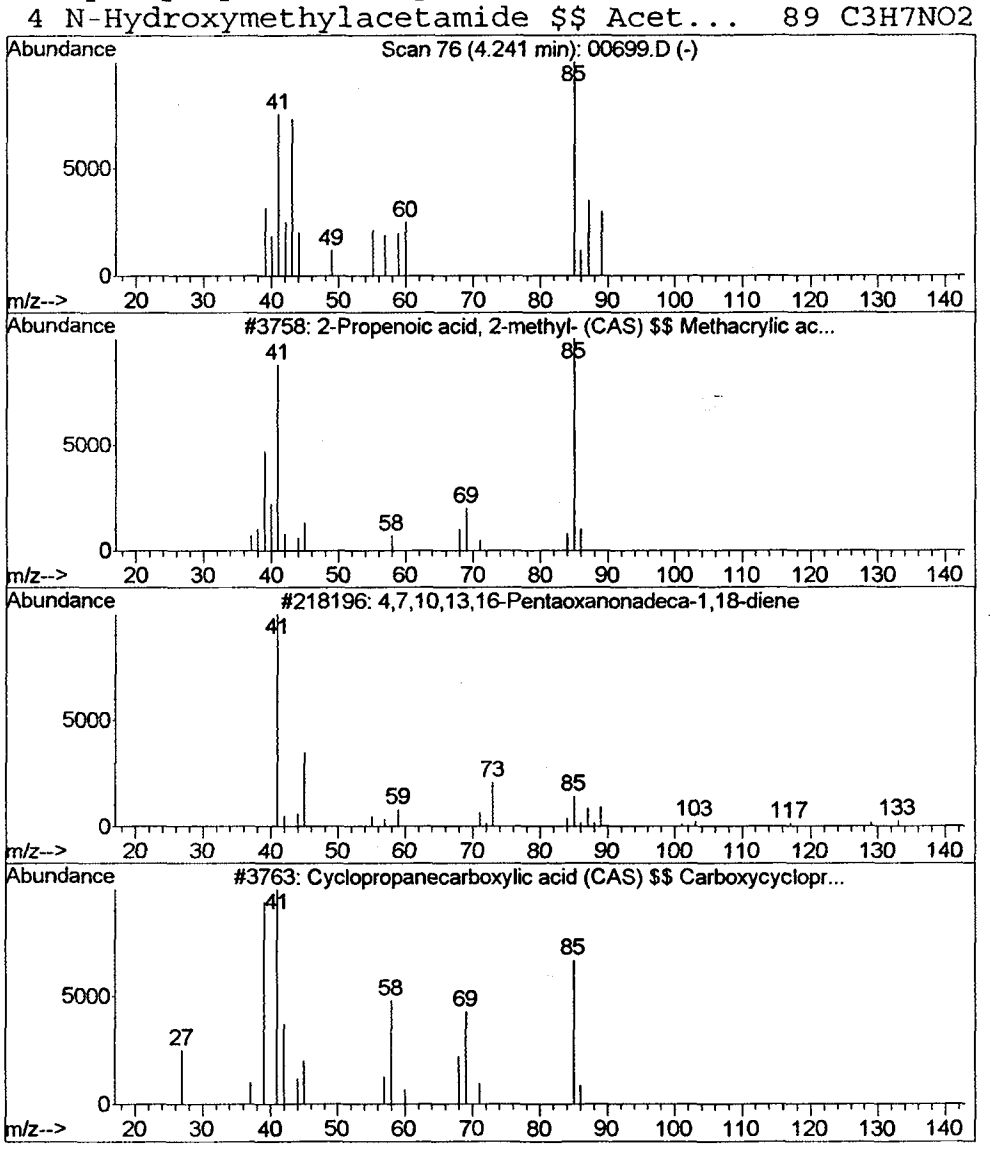
Quant Method : C:\MSDCHEM\1...\SCAN508.M (RTE Integrator)
Title : 508 scan method
Library : C:\DATABASE\WILEY7N.L

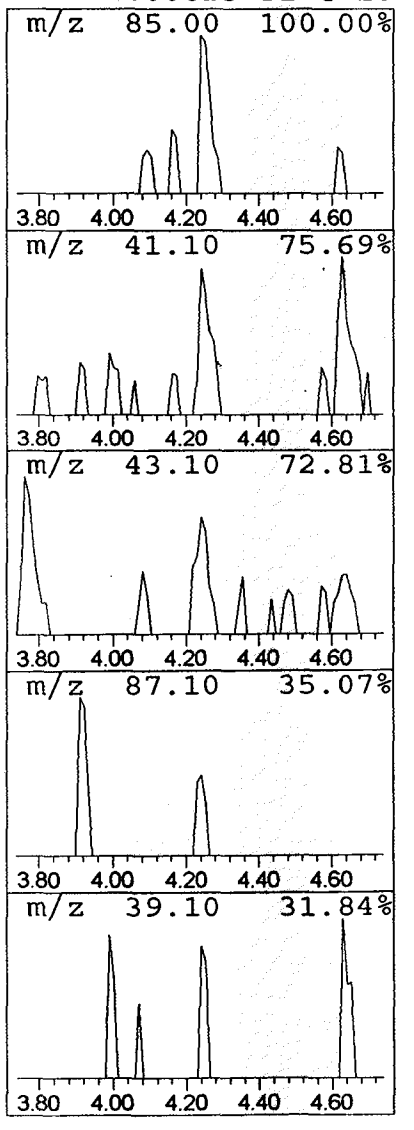
**********

Peak Number 2 2-Propenoic acid, 2-methyl-... Concentration Rank 7

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 4.24 | 0.11 ug/L | 34564 | 1,4-Dichlorobenzene-d4 | 9.71 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 2-Propenoic acid, 2-methyl- (CAS... | 86 | C4H6O2 | 000079-41-4 | 30 |
| 2 | 4,7,10,13,16-Pentaoxanonadeca-1,... | 274 | C14H26O5 | 058185-54-9 | 28 |
| 3 | Cyclopropanecarboxylic acid (CAS... | 86 | C4H6O2 | 001759-53-1 | 25 |
| 4 | N-Hydroxymethylacetamide $$ Acet... | 89 | C3H7NO2 | 000625-51-4 | 10 |






NYC-WTC_000052008

NYC 9/11 Public Portal Document

Library Search Compound Report

Data File : C:\MSDCHEM\1\5973N\02JAN16\00699.D  Vial: 4
Acq On : 16 Jan 2002 1:20 pm  Operator:
Sample : 508scan  Inst : Instrumen
Misc : January 16, 2002  Multiplr: 1.00
MS Integration Params: LSCINT.P

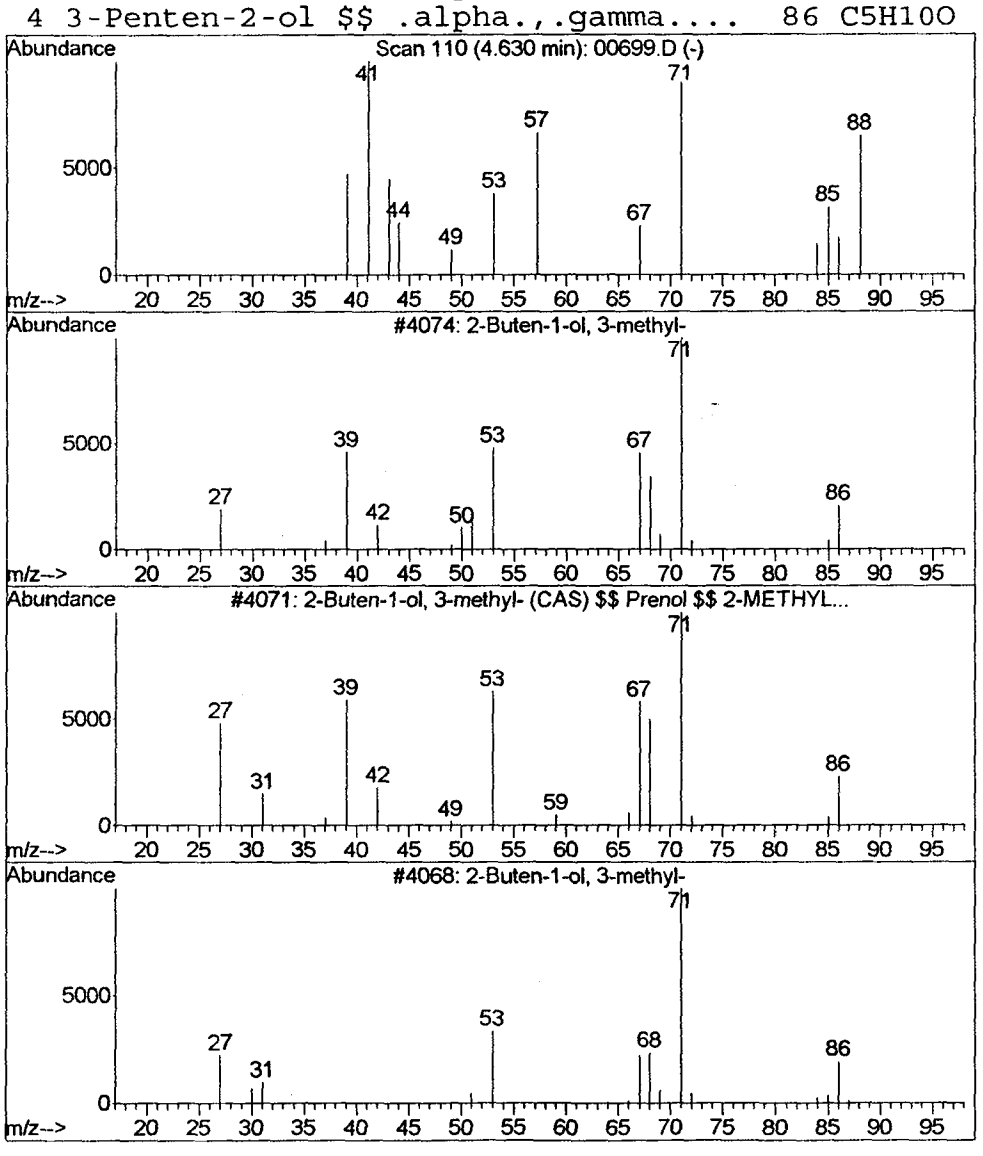
Quant Method : C:\MSDCHEM\1...\SCAN508.M (RTE Integrator)
Title : 508 scan method
Library : C:\DATABASE\WILEY7N.L

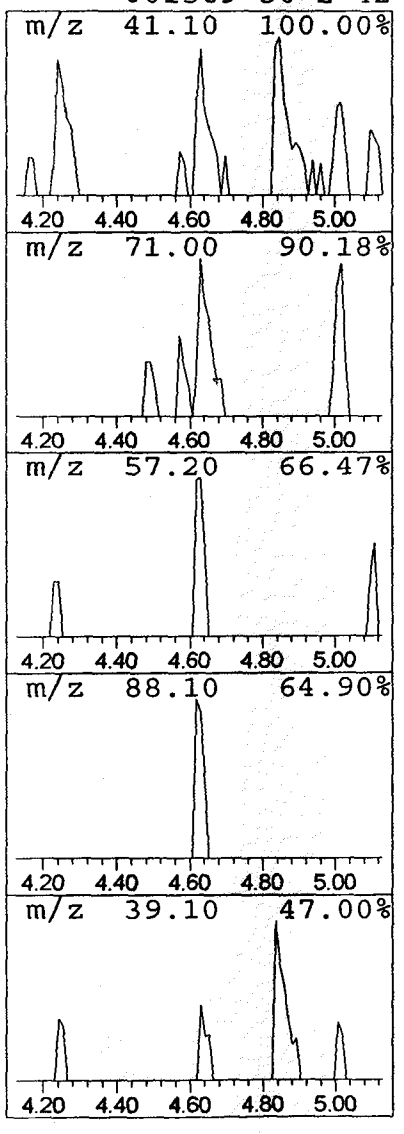
**********

Peak Number 3 2-Buten-1-ol, 3-methyl- Concentration Rank 9

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 4.63 | 0.10 ug/L | 32158 | 1,4-Dichlorobenzene-d4 | 9.71 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 2-Buten-1-ol, 3-methyl- | 86 | C5H10O | 000556-82-1 | 53 |
| 2 | 2-Buten-1-ol, 3-methyl- (CAS) $$... | 86 | C5H10O | 000556-82-1 | 50 |
| 3 | 2-Buten-1-ol, 3-methyl- | 86 | C5H10O | 000556-82-1 | 45 |
| 4 | 3-Penten-2-ol $$ .alpha.,.gamma.... | 86 | C5H10O | 001569-50-2 | 42 |






NYC-WTC_000052009

NYC 9/11 Public Portal Document

# Library Search Compound Report

Data File : C:\MSDCHEM\1\5973N\02JAN16\00699.D  Vial: 4
Acq On : 16 Jan 2002 1:20 pm  Operator:
Sample : 508scan  Inst : Instrumen
Misc : January 16, 2002  Multiplr: 1.00
MS Integration Params: LSCINT.P

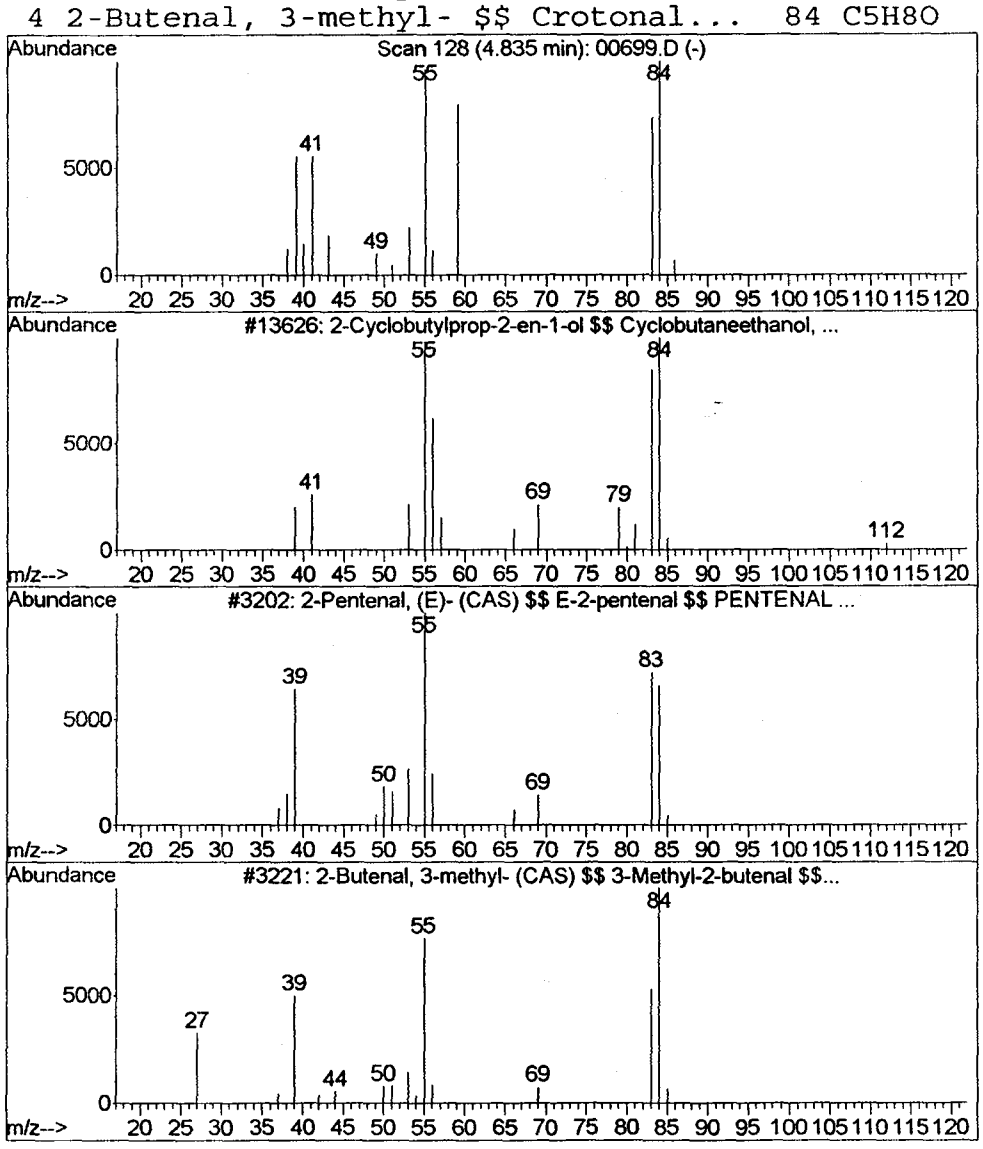
Quant Method : C:\MSDCHEM\1...\SCAN508.M (RTE Integrator)
Title : 508 scan method
Library : C:\DATABASE\WILEY7N.L

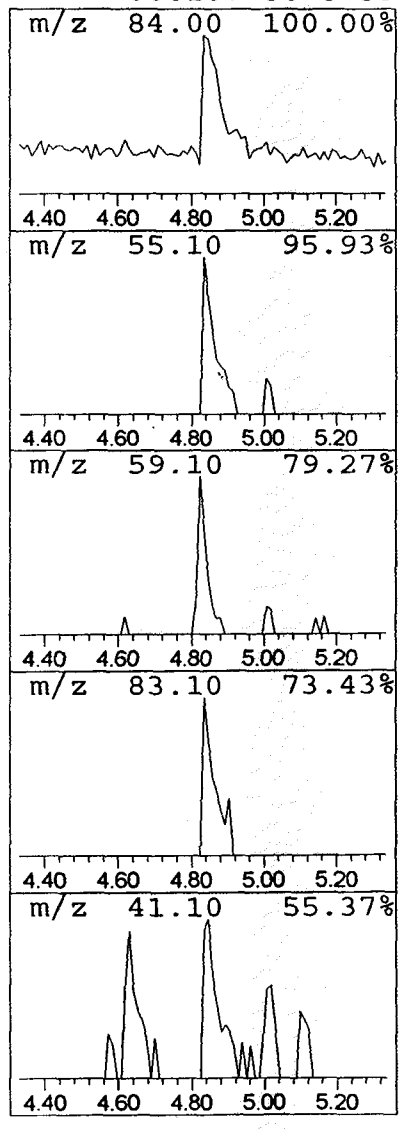
**********

Peak Number 4 2-Cyclobutylprop-2-en-1-ol ... Concentration Rank 5

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 4.84 | 0.20 ug/L | 63829 | 1,4-Dichlorobenzene-d4 | 9.71 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 2-Cyclobutylprop-2-en-1-ol $$ Cy... | 112 | C7H12O | 116203-80-6 | 53 |
| 2 | 2-Pentenal, (E)- (CAS) $$ E-2-pe... | 84 | C5H8O | 001576-87-0 | 53 |
| 3 | 2-Butenal, 3-methyl- (CAS) $$ 3-... | 84 | C5H8O | 000107-86-8 | 53 |
| 4 | 2-Butenal, 3-methyl- $$ Crotonal... | 84 | C5H8O | 000107-86-8 | 53 |






NYC-WTC_000052010

NYC 9/11 Public Portal Document

# Library Search Compound Report

Data File : C:\MSDCHEM\1\5973N\02JAN16\00699.D  Vial: 4
Acq On : 16 Jan 2002 1:20 pm  Operator:
Sample : 508scan  Inst : Instrumen
Misc : January 16, 2002  Multiplr: 1.00
MS Integration Params: LSCINT.P

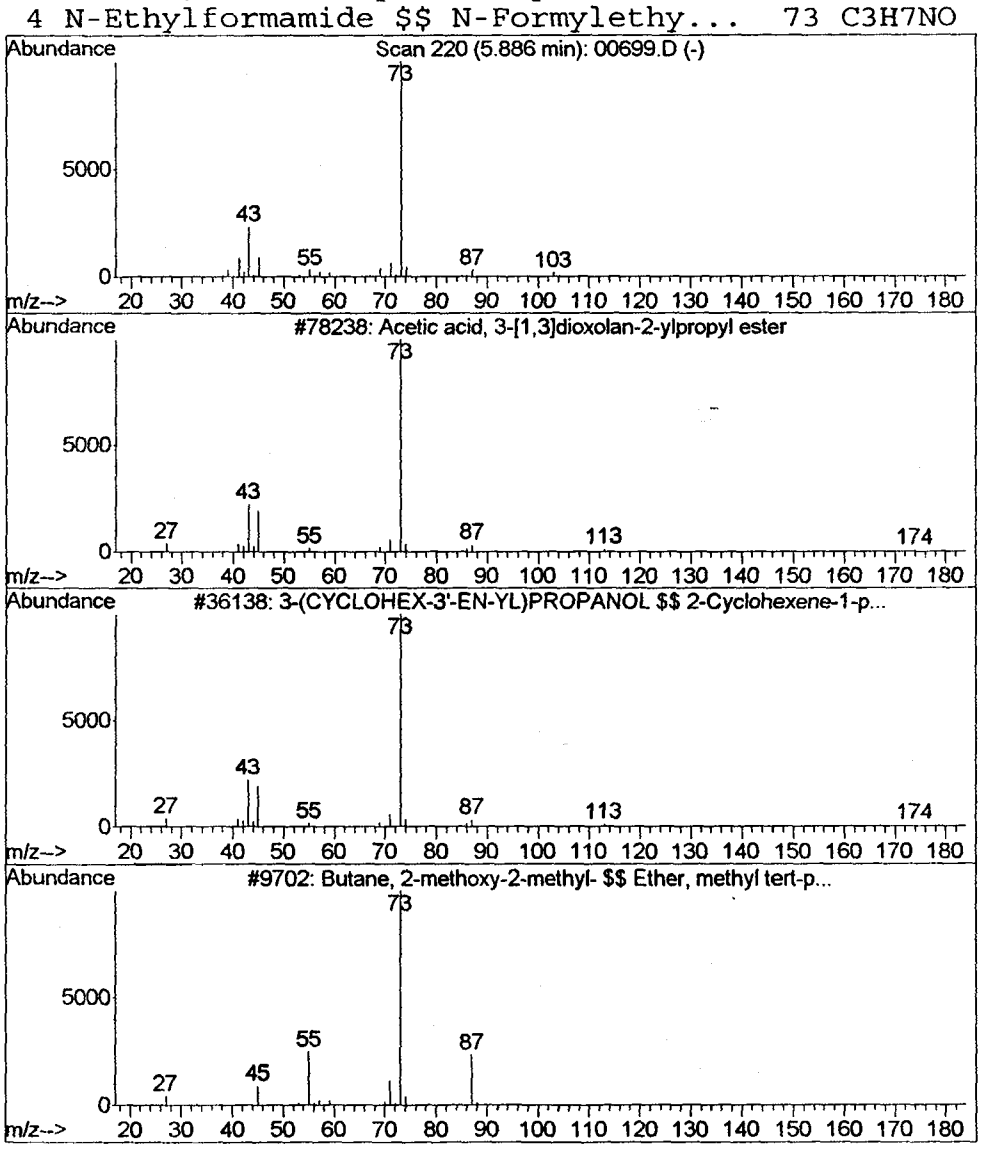
Quant Method : C:\MSDCHEM\1...\SCAN508.M (RTE Integrator)
Title : 508 scan method
Library : C:\DATABASE\WILEY7N.L

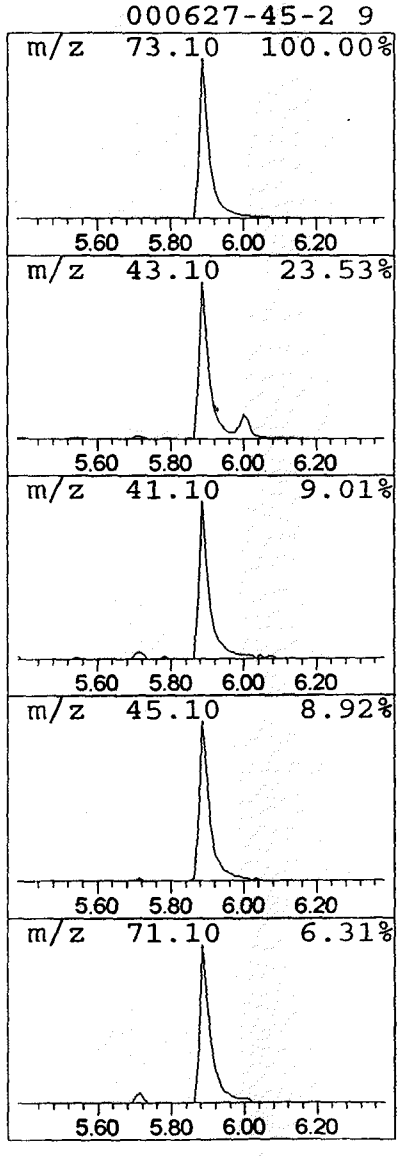
**********

Peak Number 5 Acetic acid, 3-[1,3]dioxola... Concentration Rank 1

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 5.89 | 4.22 ug/L | 1345940 | 1,4-Dichlorobenzene-d4 | 9.71 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Acetic acid, 3-[1,3]dioxolan-2-y... | 174 | C8H14O4 | 000000-00-0 | 36 |
| 2 | 3-(CYCLOHEX-3'-EN-YL)PROPANOL $$... | 174 | C8H14O4 | 015745-87-6 | 36 |
| 3 | Butane, 2-methoxy-2-methyl- $$ E... | 102 | C6H14O | 000994-05-8 | 33 |
| 4 | N-Ethylformamide $$ N-Formylethy... | 73 | C3H7NO | 000627-45-2 | 9 |






NYC-WTC_000052011

NYC 9/11 Public Portal Document

# Library Search Compound Report

Data File : C:\MSDCHEM\1\5973N\02JAN16\00699.D  Vial: 4
Acq On : 16 Jan 2002 1:20 pm  Operator:
Sample : 508scan  Inst : Instrumen
Misc : January 16, 2002  Multiplr: 1.00
MS Integration Params: LSCINT.P

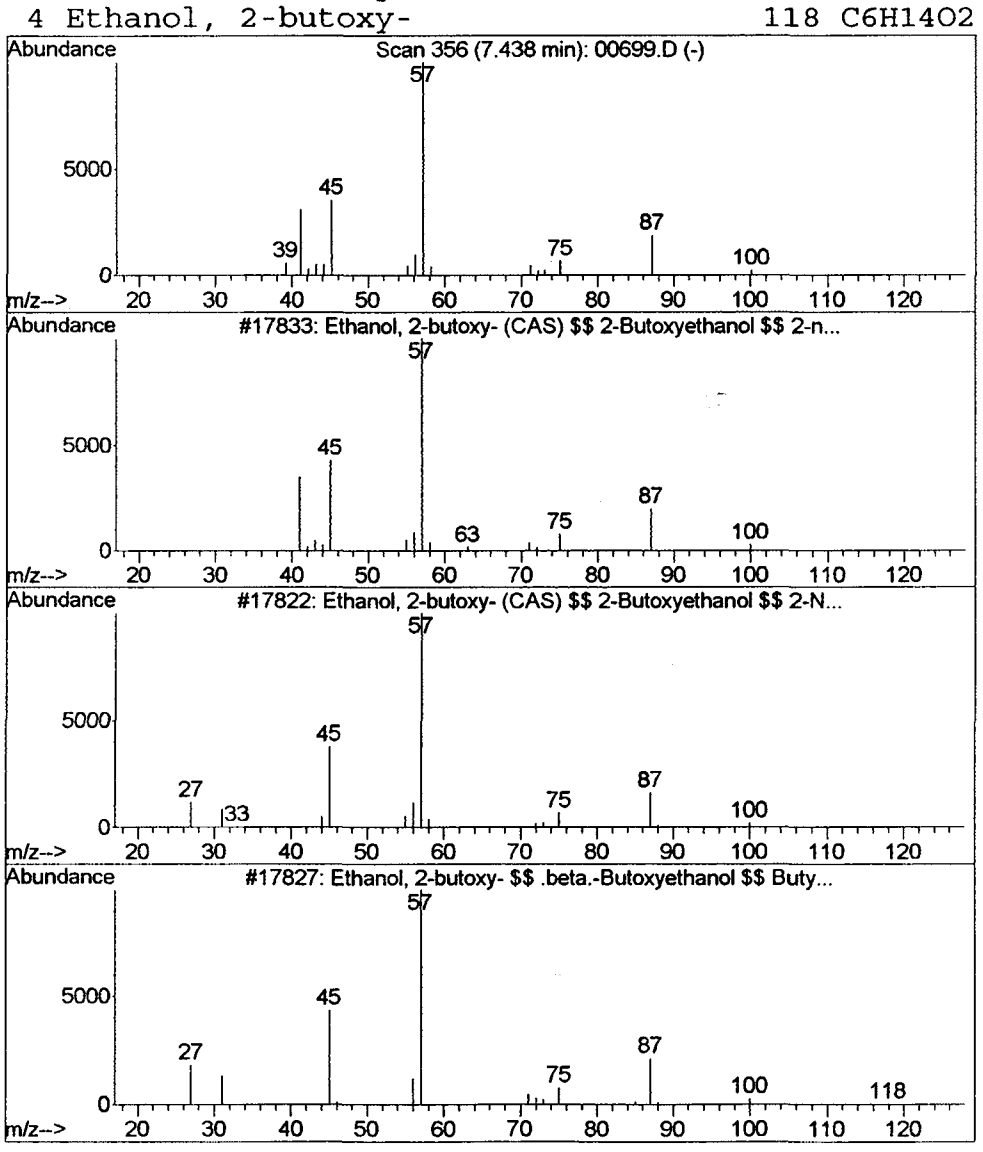
Quant Method : C:\MSDCHEM\1...\SCAN508.M (RTE Integrator)
Title : 508 scan method
Library : C:\DATABASE\WILEY7N.L

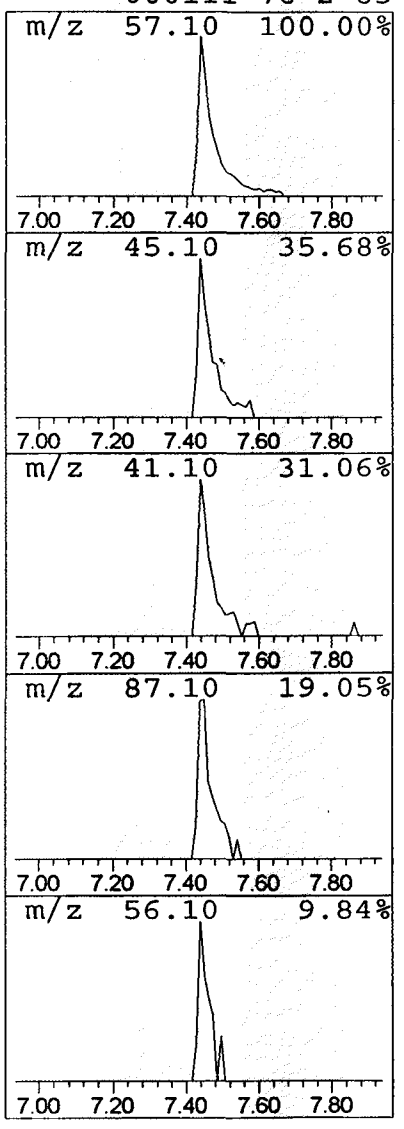
**********

Peak Number 6 Ethanol, 2-butoxy- (CAS) $$... Concentration Rank 2

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 7.44 | 0.44 ug/L | 139778 | 1,4-Dichlorobenzene-d4 | 9.71 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Ethanol, 2-butoxy- (CAS) $$ 2-Bu... | 118 | C6H14O2 | 000111-76-2 | 90 |
| 2 | Ethanol, 2-butoxy- (CAS) $$ 2-Bu... | 118 | C6H14O2 | 000111-76-2 | 83 |
| 3 | Ethanol, 2-butoxy- $$ .beta.-But... | 118 | C6H14O2 | 000111-76-2 | 83 |
| 4 | Ethanol, 2-butoxy- | 118 | C6H14O2 | 000111-76-2 | 83 |






NYC-WTC_000052012

NYC 9/11 Public Portal Document

Library Search Compound Report

Data File : C:\MSDCHEM\1\5973N\02JAN16\00699.D Vial: 4
Acq On : 16 Jan 2002 1:20 pm Operator:
Sample : 508scan Inst : Instrumen
Misc : January 16, 2002 Multiplr: 1.00
MS Integration Params: LSCINT.P

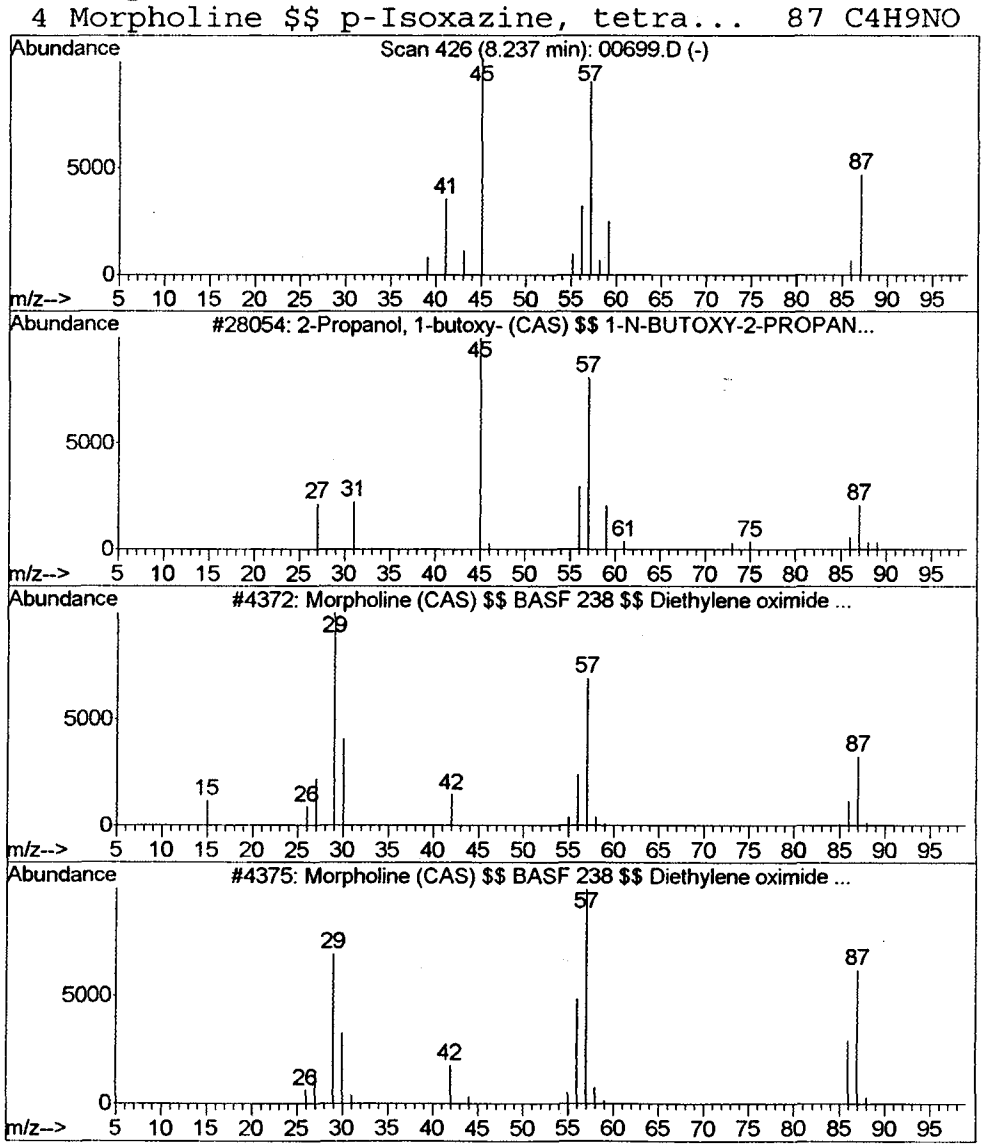
Quant Method : C:\MSDCHEM\1...\SCAN508.M (RTE Integrator)
Title : 508 scan method
Library : C:\DATABASE\WILEY7N.L

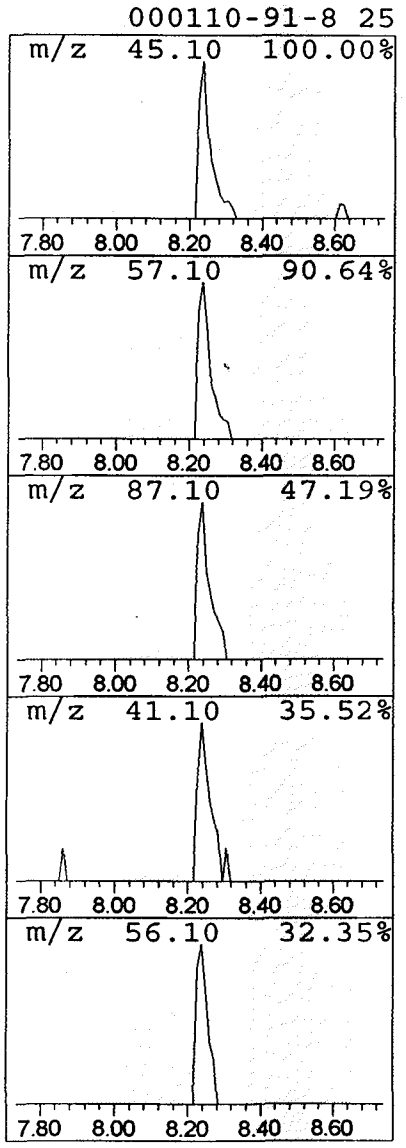
**********

Peak Number 7 2-Propanol, 1-butoxy- (CAS)... Concentration Rank 4

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 8.24 | 0.20 ug/L | 65014 | 1,4-Dichlorobenzene-d4 | 9.71 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 2-Propanol, 1-butoxy- (CAS) $$ 1... | 132 | C7H16O2 | 005131-66-8 | 56 |
| 2 | Morpholine (CAS) $$ BASF 238 $$ ... | 87 | C4H9NO | 000110-91-8 | 35 |
| 3 | Morpholine (CAS) $$ BASF 238 $$ ... | 87 | C4H9NO | 000110-91-8 | 25 |
| 4 | Morpholine $$ p-Isoxazine, tetra... | 87 | C4H9NO | 000110-91-8 | 25 |






NYC-WTC_000052013

NYC 9/11 Public Portal Document

# Library Search Compound Report

Data File : C:\MSDCHEM\1\5973N\02JAN16\00699.D  Vial: 4
Acq On : 16 Jan 2002 1:20 pm  Operator:
Sample : 508scan  Inst : Instrumen
Misc : January 16, 2002  Multiplr: 1.00
MS Integration Params: LSCINT.P

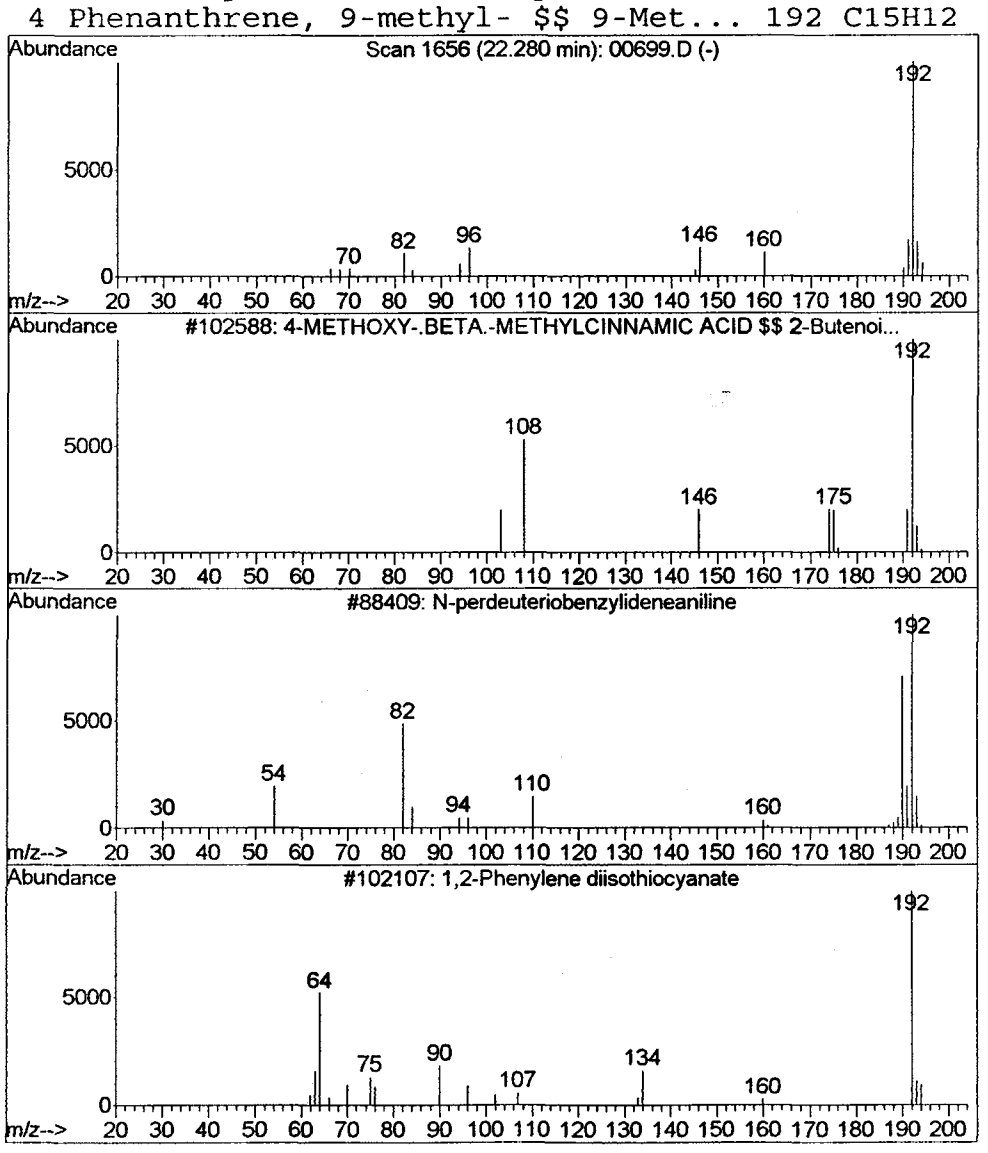
Quant Method : C:\MSDCHEM\1...\SCAN508.M (RTE Integrator)
Title : 508 scan method
Library : C:\DATABASE\WILEY7N.L

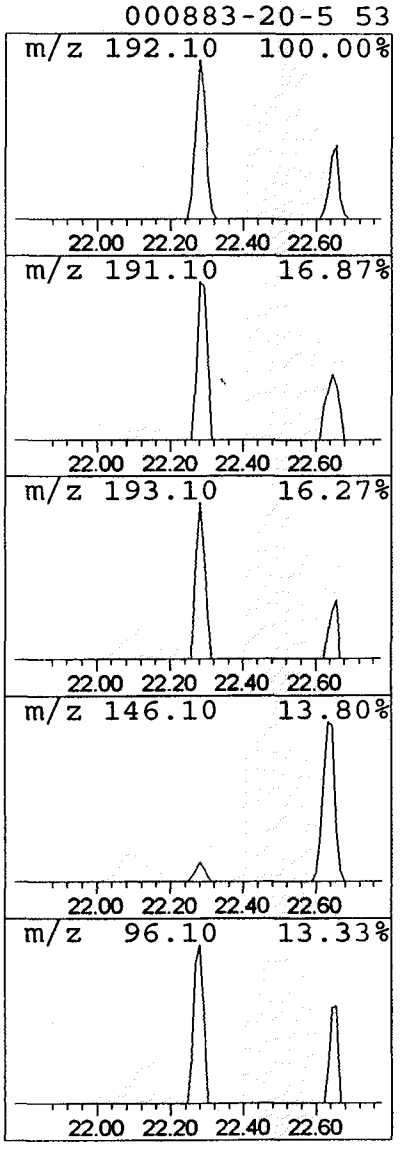
**********

Peak Number 8 4-METHOXY-.BETA.-METHYLCINN... Concentration Rank 6

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 22.28 | 0.14 ug/L | 74636 | Phenanthrene-d10 | 22.63 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 4-METHOXY-.BETA.-METHYLCINNAMIC ... | 192 | C11H12O3 | 019169-94-9 | 72 |
| 2 | N-perdeuteriobenzylideneaniline | 192 | C13D11N | 000538-51-2 | 59 |
| 3 | 1,2-Phenylene diisothiocyanate | 192 | C8H4N2S2 | 071105-17-4 | 53 |
| 4 | Phenanthrene, 9-methyl- $$ 9-Met... | 192 | C15H12 | 000883-20-5 | 53 |






NYC-WTC_000052014

NYC 9/11 Public Portal Document

# Library Search Compound Report

Data File : C:\MSDCHEM\1\5973N\02JAN16\00699.D  Vial: 4
Acq On : 16 Jan 2002 1:20 pm  Operator:
Sample : 508scan  Inst : Instrumen
Misc : January 16, 2002  Multiplr: 1.00
MS Integration Params: LSCINT.P

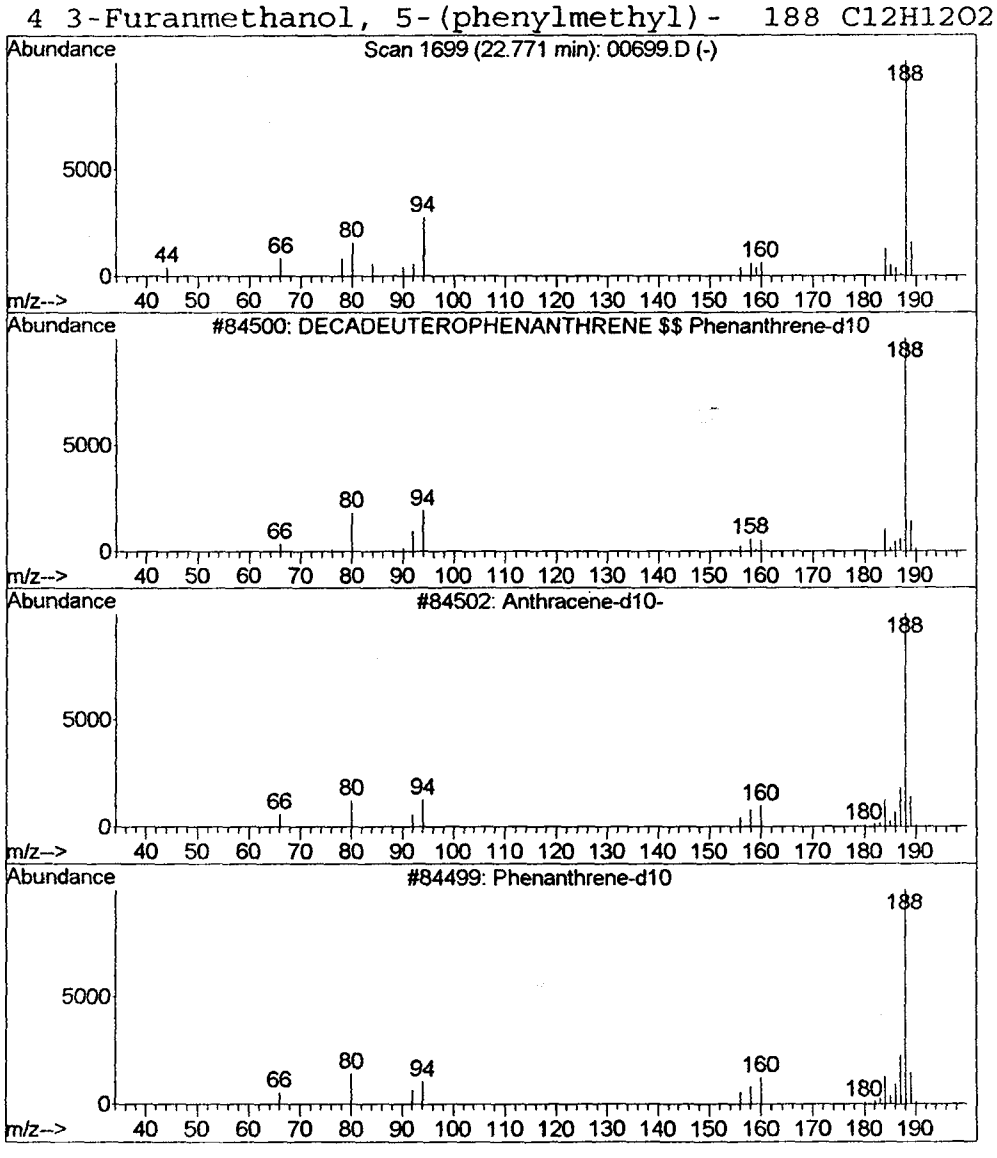
Quant Method : C:\MSDCHEM\1...\SCAN508.M (RTE Integrator)
Title : 508 scan method
Library : C:\DATABASE\WILEY7N.L

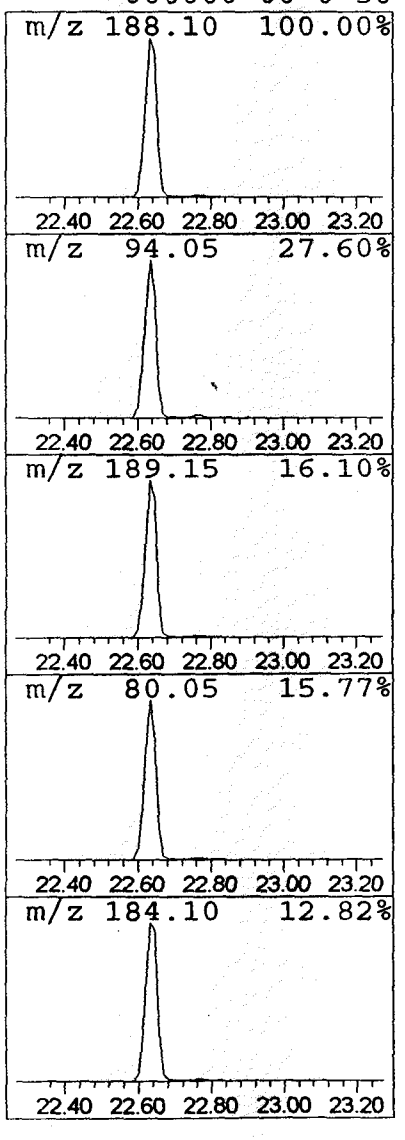
**********

Peak Number 9 DECADEUTEROPHENANTHRENE $$ ... Concentration Rank 3

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 22.77 | 0.32 ug/L | 174351 | Phenanthrene-d10 | 22.63 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | DECADEUTEROPHENANTHRENE $$ Phena... | 188 | C14D10 | 001517-22-2 | 78 |
| 2 | Anthracene-d10- | 188 | C14D10 | 001719-06-8 | 64 |
| 3 | Phenanthrene-d10 | 188 | C14D10 | 001517-22-2 | 64 |
| 4 | 3-Furanmethanol, 5-(phenylmethyl)- | 188 | C12H12O2 | 000000-00-0 | 50 |






NYC-WTC_000052015

NYC 9/11 Public Portal Document

Tentatively Identified Compound (LSC) summary

Operator ID:  Date Acquired: 16 Jan 2002  1:20 pm
Data File: C:\MSDCHEM\1\5973N\02JAN16\00699.D
Name: 508scan
Misc: January 16, 2002
Method: C:\MSDCHEM\1\METHODS\METHODS\SCAN508.M (RTE Integrator)
Title: 508 scan method
Library Searched: C:\DATABASE\WILEY7N.L

| TIC Top Hit name | RT | EstConc | Units | Response | --Internal Standard--- # | RT | Resp | Conc |
|---|---|---|---|---|---|---|---|---|
| Acetonitrile, dic... | 3.49 | 0.1 | ug/L | 33887 | 1 | 9.71 | 6371380 | 20.0 |
| 2-Propenoic acid,... | 4.24 | 0.1 | ug/L | 34564 | 1 | 9.71 | 6371380 | 20.0 |
| 2-Buten-1-ol, 3-m... | 4.63 | 0.1 | ug/L | 32158 | 1 | 9.71 | 6371380 | 20.0 |
| 2-Cyclobutylprop-... | 4.84 | 0.2 | ug/L | 63829 | 1 | 9.71 | 6371380 | 20.0 |
| Acetic acid, 3-[1... | 5.89 | 4.2 | ug/L | 1345940 | 1 | 9.71 | 6371380 | 20.0 |
| Ethanol, 2-butoxy... | 7.44 | 0.4 | ug/L | 139778 | 1 | 9.71 | 6371380 | 20.0 |
| 2-Propanol, 1-but... | 8.24 | 0.2 | ug/L | 65014 | 1 | 9.71 | 6371380 | 20.0 |
| 4-METHOXY-.BETA.-... | 22.28 | 0.1 | ug/L | 74636 | 4 | 22.63 | 10930400 | 20.0 |
| DECADEUTEROPHENAN... | 22.77 | 0.3 | ug/L | 174351 | 4 | 22.63 | 10930400 | 20.0 |



NYC-WTC_000052016