

## Appendix E

Detailed summary of aromatic (f<sub>2</sub>) hydrocarbon determinations for Year 01

(Values are not corrected for percent recovery)

[NOTE: THE FONT SIZE USED IN THIS SECTION OF THE DOCUMENT WAS APPROXIMATELY 5. ERRORS IN TRANSCRIPTION MAY HAVE OCCURRED DUE TO FONT SIZE AND ILLEGIBILITY OF THE COPY OF THE DOCUMENT USED FOR RESCUE. QUESTIONABLE TRANSCRIPTIONS ARE NOTED WITH A QUESTION MARK. THE COPY OF DOCUMENT USED TO GENERATE THIS DOCUMENT IS ARCHIVED AT THE NOAA/NMFS/SEFSC LIBRARY IN MIAMI.]

|                                 |                         |
|---------------------------------|-------------------------|
| SAMPLE: 2                       | DATE ANALYZED: 11/02/82 |
| INTERNAL STANDARDS              | SAMPLE VOLUME (ML): 1.0 |
| ANDROSTANE (μL): 0.0            |                         |
| O-TERPHYNEL (μL): 0.0           |                         |
| DRY WEIGHT EXTRACTED (G): 19.08 |                         |
| SAMPLE SIZE INJECTED (μL): 1.9  |                         |

| COMPOUND         | AREA | RESPONSE<br>FACTOR | NG       | μG/G    | RATIOS              |
|------------------|------|--------------------|----------|---------|---------------------|
| NAPHTHALENE      | 0    | .0122              | .0000    | .0000   | RESOL/UNRESOL .0000 |
| PHENANTHRENE     | 0    | .0112              | 2.8448   | .0785   |                     |
| DIBENZOTHIOPHENE | 0    | .0112              | 17.4160  | .4804   | RECOVERY %          |
| PYRENE           | 0    | .0136              | 27.7440  | .7653   | ANDROSTANE .0000    |
| O-TERPHYNEL      | 0    | .0033              | .0000    | .0000   | O-TERPHYNEL .0000   |
| ANDROSTANE       | 0    | .0030              | .0000    | .0000   |                     |
| RESOLVED         | 0    | .0033              | 411.3483 | 12.6711 |                     |
| UNRESOLVED       | 0    | .0033              | .0000    | .0000   |                     |
| TOTAL            |      |                    |          | 12.6711 |                     |

SAMPLE: 5  
INTERNAL STANDARDS  
ANDROSTANE (μL): 0.0  
O-TERPHYNEL (μL): 0.0  
DRY WEIGHT EXTRACTED (G): 29.82  
SAMPLE SIZE INJECTED (μL): 1.9

DATE ANALYZED: 11/02/82  
SAMPLE VOLUME (ML): 1.0

| COMPOUND         | AREA   | RESPONSE<br>FACTOR | NG       | μG/G    | RATIOS               |
|------------------|--------|--------------------|----------|---------|----------------------|
| NAPHTHALENE      | 0      | .0122              | .0000    | .0000   | RESOL/UNRESOL 1.1306 |
| PHENANTHRENE     | 11717  | .0112              | 131.2304 | 2.3162  |                      |
| DIBENZOTHIOPHENE | 4347   | .0112              | 48.6864  | .8593   | RECOVERY %           |
| PYRENE           | 1997   | .0136              | 27.1592  | .4794   | ANDROSTANE .0000     |
| O-TERPHYNEL      | 0      | .0033              | .0000    | .0000   | O-TERPHYNEL .0000    |
| ANDROSTANE       | 0      | .0030              | .0000    | .0000   |                      |
| RESOLVED         | 206170 | .0033              | 620.7597 | 14.6111 |                      |
| UNRESOLVED       | 182353 | .0033              | 601.7649 | 10.6210 |                      |
| TOTAL            |        |                    |          | 25.2321 |                      |

SAMPLE: 6  
INTERNAL STANDARDS  
ANDROSTANE (μL): 0.0  
O-TERPHYNEL (μL): 0.0  
DRY WEIGHT EXTRACTED (G): 40.90  
SAMPLE SIZE INJECTED (μL): 1.9

DATE ANALYZED: 11/03/82  
SAMPLE VOLUME (ML): 1.0

| COMPOUND         | AREA    | RESPONSE<br>FACTOR | NG        | μG/G    | RATIOS               |
|------------------|---------|--------------------|-----------|---------|----------------------|
| NAPHTHALENE      | 0       | .0122              | .0000     | .0000   | RESOL/UNRESOL 2.6257 |
| PHENANTHRENE     | 480     | .0112              | 5.3760    | .0692   |                      |
| DIBENZOTHIOPHENE | 1859    | .0112              | 20.8208   | .2679   | RECOVERY %           |
| PYRENE           | 1003    | .0136              | 13.6408   | .1755   | ANDROSTANE .0000     |
| O-TERPHYNEL      | 0       | .0033              | .0000     | .0000   | O-TERPHYNEL .0000    |
| ANDROSTANE       | 0       | .0030              | .0000     | .0000   |                      |
| RESOLVED         | 1134275 | .0033              | 3732.0789 | 48.5384 |                      |
| UNRESOLVED       | 431991  | .0033              | 1425.5703 | 18.3447 |                      |
| TOTAL            |         |                    |           | 66.8831 |                      |

SAMPLE: 7  
INTERNAL STANDARDS  
ANDROSTANE (μL): 0.0  
O-TERPHYNEL (μL): 0.0  
DRY WEIGHT EXTRACTED (G): 14.84  
SAMPLE SIZE INJECTED (μL): 1.9

DATE ANALYZED: 11/04/82  
SAMPLE VOLUME (ML): 1.0

| COMPOUND         | AREA   | RESPONSE<br>FACTOR | NG       | μG/G    | RATIOS              |
|------------------|--------|--------------------|----------|---------|---------------------|
| NAPHTHALENE      | 0      | .0122              | .0000    | .0000   | RESOL/UNRESOL .0000 |
| PHENANTHRENE     | 1380   | .0112              | 15.4560  | .5482   |                     |
| DIBENZOTHIOPHENE | 788    | .0112              | 8.8256   | .3130   | RECOVERY %          |
| PYRENE           | 1615   | .0136              | 21.9640  | .7790   | ANDROSTANE .0000    |
| O-TERPHYNEL      | 0      | .0033              | .0000    | .0000   | O-TERPHYNEL .0000   |
| ANDROSTANE       | 0      | .0030              | .0000    | .0000   |                     |
| RESOLVED         | 120600 | .0033              | 385.4961 | 15.3122 |                     |
| UNRESOLVED       | 0      | .0033              | .0000    | 15.3122 |                     |
| TOTAL            |        |                    |          | .2189   |                     |

SAMPLE: 8  
INTERNAL STANDARDS  
ANDROSTANE (μL): 0.0  
O-TERPHYNEL (μL): 0.0  
DRY WEIGHT EXTRACTED (G): 25.13  
SAMPLE SIZE INJECTED (μL): 1.9

DATE ANALYZED: 11/03/82  
SAMPLE VOLUME (ML): 1.0

| COMPOUND         | AREA   | RESPONSE<br>FACTOR | NG        | μG/G    | RATIOS              |
|------------------|--------|--------------------|-----------|---------|---------------------|
| NAPHTHALENE      | 0      | .0122              | .0000     | .0000   | RESOL/UNRESOL .4036 |
| PHENANTHRENE     | 56     | .0112              | .6272     | .0092   |                     |
| DIBENZOTHIOPHENE | 2985   | .0112              | 33.4320   | .4901   | RECOVERY %          |
| PYRENE           | 625    | .0136              | 8.5000    | .1246   | ANDROSTANE .0000    |
| O-TERPHYNEL      | 0      | .0033              | .0000     | .0000   | O-TERPHYNEL .0000   |
| ANDROSTANE       | 0      | .0030              | .0000     | .0000   |                     |
| RESOLVED         | 218450 | .0033              | 708.7872  | 11.0152 |                     |
| UNRESOLVED       | 541208 | .0033              | 1785.9864 | 26.1836 |                     |
| TOTAL            |        |                    |           | 37.1988 |                     |

SAMPLE: 9  
 INTERNAL STANDARDS  
 ANDROSTANE ( $\mu\text{L}$ ): 0.0  
 O-TERPHYNEL ( $\mu\text{L}$ ): 0.0  
 DRY WEIGHT EXTRACTED (G): 24.47  
 SAMPLE SIZE INJECTED ( $\mu\text{L}$ ): 1.9

DATE ANALYZED: 11/12/82  
 SAMPLE VOLUME (ML): 1.0

| COMPOUND         | AREA  | RESPONSE<br>FACTOR | NG       | $\mu\text{G/G}$ | RATIOS              |
|------------------|-------|--------------------|----------|-----------------|---------------------|
| NAPHTHALENE      | 0     | .0122              | .0000    | .0000           | RESOL/UNRESOL .0000 |
| PHENANTHRENE     | 1049  | .0112              | 11.7488  | .2527           |                     |
| DIBENZOTHIOPHENE | 258   | .0112              | 2.8896   | .0622           | RECOVERY %          |
| PYRENE           | 671   | .0136              | 9.1256   | .1963           | ANDROSTANE .0000    |
| O-TERPHYNEL      | 0     | .0033              | .0000    | .0000           | O-TERPHYNEL .0000   |
| ANDROSTANE       | 0     | .0030              | .0000    | .0000           |                     |
| RESOLVED         | 92431 | .0033              | 298.4949 | 6.9313          |                     |
| UNRESOLVED       | 0     | .0033              | .0000    | .0000           |                     |
| TOTAL            |       |                    |          | 6.9313          |                     |

SAMPLE: 10  
 INTERNAL STANDARDS  
 ANDROSTANE ( $\mu\text{L}$ ): 0.0  
 O-TERPHYNEL ( $\mu\text{L}$ ): 0.0  
 DRY WEIGHT EXTRACTED (G): 36.96  
 SAMPLE SIZE INJECTED ( $\mu\text{L}$ ): 1.9

DATE ANALYZED: 11/04/82  
 SAMPLE VOLUME (ML): 1.0

| COMPOUND         | AREA   | RESPONSE<br>FACTOR | NG        | $\mu\text{G/G}$ | RATIOS              |
|------------------|--------|--------------------|-----------|-----------------|---------------------|
| NAPHTHALENE      | 524    | .0122              | 6.3928    | .0455           | RESOL/UNRESOL .0548 |
| PHENANTHRENE     | 1489   | .0112              | 16.6768   | .1187           |                     |
| DIBENZOTHIOPHENE | 4614   | .0112              | 51.6768   | .3679           | RECOVERY %          |
| PYRENE           | 2039   | .0136              | 27.7304   | .1974           | ANDROSTANE .0000    |
| O-TERPHYNEL      | 0      | .0033              | .0000     | .0000           | O-TERPHYNEL .0000   |
| ANDROSTANE       | 0      | .0030              | .0000     | .0000           |                     |
| RESOLVED         | 22534  | .0033              | 45.7644   | 1.0555          |                     |
| UNRESOLVED       | 411513 | .0033              | 1357.9929 | 9.6690          |                     |
| TOTAL            |        |                    |           | 10.7245         |                     |

SAMPLE: 11  
 INTERNAL STANDARDS  
 ANDROSTANE ( $\mu\text{L}$ ): 0.0  
 O-TERPHYNEL ( $\mu\text{L}$ ): 0.0  
 DRY WEIGHT EXTRACTED (G): 8.66  
 SAMPLE SIZE INJECTED ( $\mu\text{L}$ ): 1.9

DATE ANALYZED: 10/28/82  
 SAMPLE VOLUME (ML): 1.0

| COMPOUND         | AREA  | RESPONSE<br>FACTOR | NG       | $\mu\text{G/G}$ | RATIOS              |
|------------------|-------|--------------------|----------|-----------------|---------------------|
| NAPHTHALENE      | 0     | .0122              | .0000    | .0000           | RESOL/UNRESOL .0000 |
| PHENANTHRENE     | 1095  | .0112              | 12.2640  | .3727           |                     |
| DIBENZOTHIOPHENE | 1683  | .0112              | 18.8496  | .3728           | RECOVERY %          |
| PYRENE           | 1139  | .0136              | 15.4904  | .4707           | ANDROSTANE .0000    |
| O-TERPHYNEL      | 0     | .0033              | .0000    | .0000           | O-TERPHYNEL .0000   |
| ANDROSTANE       | 0     | .0030              | .0000    | .0000           |                     |
| RESOLVED         | 93316 | .0033              | 295.0167 | 10.3811         |                     |
| UNRESOLVED       | 0     | .0033              | .0000    | .0000           |                     |
| TOTAL            |       |                    |          | 10.3811         |                     |

SAMPLE: 12  
 INTERNAL STANDARDS  
 ANDROSTANE ( $\mu\text{L}$ ): 0.0  
 O-TERPHYNEL ( $\mu\text{L}$ ): 0.0  
 DRY WEIGHT EXTRACTED (G): 17.22  
 SAMPLE SIZE INJECTED ( $\mu\text{L}$ ): 1.9

DATE ANALYZED: 11/03/82  
 SAMPLE VOLUME (ML): 1.0

| COMPOUND         | AREA  | RESPONSE<br>FACTOR | NG       | $\mu\text{G/G}$ | RATIOS              |
|------------------|-------|--------------------|----------|-----------------|---------------------|
| NAPHTHALENE      | 0     | .0122              | .0000    | .0000           | RESOL/UNRESOL .0000 |
| PHENANTHRENE     | 1734  | .0112              | 19.4208  | .5936           |                     |
| DIBENZOTHIOPHENE | 1596  | .0112              | 17.8752  | .5463           | RECOVERY %          |
| PYRENE           | 68    | .0136              | .9248    | .0283           | ANDROSTANE .0000    |
| O-TERPHYNEL      | 0     | .0033              | .0000    | .0000           | O-TERPHYNEL .0000   |
| ANDROSTANE       | 0     | .0030              | .0000    | .0000           |                     |
| RESOLVED         | 76260 | .0033              | 240.4446 | 8.5172          |                     |
| UNRESOLVED       | 0     | .0033              | .0000    | .0000           |                     |
| TOTAL            |       |                    |          | 8.5172          |                     |

SAMPLE: 13  
 INTERNAL STANDARDS  
 ANDROSTANE (μL): 0.0  
 O-TERPHYNEL (μL): 0.0  
 DRY WEIGHT EXTRACTED (G): 25.60  
 SAMPLE SIZE INJECTED (μL): 1.9

DATE ANALYZED: 11/03/82  
 SAMPLE VOLUME (ML): 1.0

| COMPOUND         | AREA   | RESPONSE<br>FACTOR | NG       | μG/G   | RATIOS              |
|------------------|--------|--------------------|----------|--------|---------------------|
| NAPHTHALENE      | 0      | .0122              | .0000    | .0000  | RESOL/UNRESOL .0000 |
| PHENANTHRENE     | 6855   | .0112              | 76.7780  | 1.5785 |                     |
| DIBENZOTHIOPHENE | 1745   | .0112              | 19.5440  | .4018  | RECOVERY %          |
| PYRENE           | 2560   | .0136              | 34.8160  | .7158  | ANDROSTANE .0000    |
| O-TERPHYNEL      | 0      | .0033              | .0000    | .0000  | O-TERPHYNEL .0000   |
| ANDROSTANE       | 0      | .0030              | .0000    | .0000  |                     |
| RESOLVED         | 105621 | .0033              | 311.7213 | 9.1048 |                     |
| UNRESOLVED       | 0      | .0033              | .0000    | .0000  |                     |
| TOTAL            |        |                    |          | 9.1048 |                     |

SAMPLE: 14  
 INTERNAL STANDARDS  
 ANDROSTANE (μL): 0.0  
 O-TERPHYNEL (μL): 0.0  
 DRY WEIGHT EXTRACTED (G): 16.03  
 SAMPLE SIZE INJECTED (μL): 1.9

DATE ANALYZED: 11/05/82  
 SAMPLE VOLUME (ML): 1.0

| COMPOUND         | AREA   | RESPONSE<br>FACTOR | NG       | μG/G    | RATIOS              |
|------------------|--------|--------------------|----------|---------|---------------------|
| NAPHTHALENE      | 0      | .0122              | .0000    | .0000   | RESOL/UNRESOL .0000 |
| PHENANTHRENE     | 793    | .0112              | 8.8816   | .2916   |                     |
| DIBENZOTHIOPHENE | 1742   | .0112              | 19.5104  | .6406   | RECOVERY %          |
| PYRENE           | 3983   | .0136              | 54.1688  | 1.7785  | ANDROSTANE .0000    |
| O-TERPHYNEL      | 0      | .0033              | .0000    | .0000   | O-TERPHYNEL .0000   |
| ANDROSTANE       | 0      | .0030              | .0000    | .0000   |                     |
| RESOLVED         | 112950 | .0033              | 351.2256 | 14.2426 |                     |
| UNRESOLVED       | 0      | .0033              | .0000    | .0000   |                     |
| TOTAL            |        |                    |          | 14.2426 |                     |

SAMPLE: 15  
 INTERNAL STANDARDS  
 ANDROSTANE ( $\mu\text{L}$ ): 0.0  
 O-TERPHYNEL ( $\mu\text{L}$ ): 0.0  
 DRY WEIGHT EXTRACTED (G): 13.80  
 SAMPLE SIZE INJECTED ( $\mu\text{L}$ ): 1.9

DATE ANALYZED: 11/05/82  
 SAMPLE VOLUME (ML): 1.0

| COMPOUND         | AREA  | RESPONSE<br>FACTOR | NG       | $\mu\text{G/G}$ | RATIOS              |
|------------------|-------|--------------------|----------|-----------------|---------------------|
| NAPHTHALENE      | 0     | .0122              | .0000    | .0000           | RESOL/UNRESOL .0000 |
| PHENANTHRENE     | 2534  | .0112              | 28.3808  | 1.0824          |                     |
| DIBENZOTHIOPHENE | 1939  | .0112              | 21.7168  | .8283           | RECOVERY %          |
| PYRENE           | 516   | .0136              | 7.0176   | .2676           | ANDROSTANE .0000    |
| O-TERPHYNEL      | 0     | .0033              | .0000    | .0000           | O-TERPHYNEL .0000   |
| ANDROSTANE       | 0     | .0030              | .0000    | .0000           |                     |
| RESOLVED         | 79882 | .0033              | 247.1469 | 11.6042         |                     |
| UNRESOLVED       | 0     | .0033              | .0000    | .0000           |                     |
| TOTAL            |       |                    |          | 11.6042         |                     |

SAMPLE: 16  
INTERNAL STANDARDS  
ANDROSTANE (μL): 0.0  
O-TERPHYNEL (μL): 0.0  
DRY WEIGHT EXTRACTED (G): 9.93  
SAMPLE SIZE INJECTED (μL): 1.9

DATE ANALYZED: 11/04/82  
SAMPLE VOLUME (ML): 1.0

| COMPOUND         | AREA  | RESPONSE<br>FACTOR | NG      | μG/G   | RATIOS              |
|------------------|-------|--------------------|---------|--------|---------------------|
| NAPHTHALENE      | 0     | .0122              | .0000   | .0000  | RESOL/UNRESOL .0000 |
| PHENANTHRENE     | 0     | .0112              | .0000   | .0000  |                     |
| DIBENZOTHIOPHENE | 0     | .0112              | .0000   | .0000  | RECOVERY %          |
| PYRENE           | 1400  | .0136              | 19.0400 | 1.0092 | ANDROSTANE .0000    |
| O-TERPHYNEL      | 0     | .0033              | .0000   | .0000  | O-TERPHYNEL .0000   |
| ANDROSTANE       | 0     | .0030              | .0000   | .0000  |                     |
| RESOLVED         | 14330 | .0033              | 75.6690 | 5.0198 |                     |
| UNRESOLVED       | 0     | .0033              | .0000   | .0000  |                     |
| TOTAL            |       |                    |         | 5.0198 |                     |

SAMPLE: 17  
INTERNAL STANDARDS  
ANDROSTANE (μL): 0.0  
O-TERPHYNEL (μL): 0.0  
DRY WEIGHT EXTRACTED (G): 14.86  
SAMPLE SIZE INJECTED (μL): 1.9

DATE ANALYZED: 10/26/82  
SAMPLE VOLUME (ML): 1.0

| COMPOUND         | AREA   | RESPONSE<br>FACTOR | NG        | μG/G    | RATIOS              |
|------------------|--------|--------------------|-----------|---------|---------------------|
| NAPHTHALENE      | 906    | .0122              | 11.0532   | .1957   | RESOL/UNRESOL .0000 |
| PHENANTHRENE     | 14218  | .0112              | 159.2416  | 2.8200  |                     |
| DIBENZOTHIOPHENE | 2577   | .0112              | 28.8624   | .5111   | RECOVERY %          |
| PYRENE           | 73928  | .0136              | 1005.4208 | 17.8051 | ANDROSTANE .0000    |
| O-TERPHYNEL      | 0      | .0033              | .0000     | .0000   | O-TERPHYNEL .0000   |
| ANDROSTANE       | 0      | .0030              | .0000     | .0000   |                     |
| RESOLVED         | 933301 | .0033              | 2777.5176 | 70.5195 |                     |
| UNRESOLVED       | 0      | .0033              | .0000     | .0000   |                     |
| TOTAL            |        |                    |           | 70.5195 |                     |



SAMPLE: 18  
INTERNAL STANDARDS  
ANDROSTANE (μL): 0.0  
O-TERPHYNEL (μL): 0.0  
DRY WEIGHT EXTRACTED (G): 23.94  
SAMPLE SIZE INJECTED (μL): 1.9

DATE ANALYZED: 11/04/82  
SAMPLE VOLUME (ML): 1.0

| COMPOUND         | AREA   | RESPONSE<br>FACTOR | NG       | μG/G    | RATIOS              |
|------------------|--------|--------------------|----------|---------|---------------------|
| NAPHTHALENE      | 595    | .0122              | 7.2590   | .1596   | RESOL/UNRESOL .0000 |
| PHENANTHRENE     | 13873  | .0112              | 155.3776 | 3.4159  |                     |
| DIBENZOTHIOPHENE | 798    | .0112              | 8.9376   | .1965   | RECOVERY %          |
| PYRENE           | 147    | .0136              | 1.9992   | .0440   | ANDROSTANE .0000    |
| O-TERPHYNEL      | 0      | .0033              | .0000    | .0000   | O-TERPHYNEL .0000   |
| ANDROSTANE       | 0      | .0030              | .0000    | .0000   |                     |
| RESOLVED         | 182070 | .0033              | 549.9681 | 15.9069 |                     |
| UNRESOLVED       | 0      | .0033              | .0000    | .0000   |                     |
| TOTAL            |        |                    |          | .0000   |                     |

SAMPLE: 19  
INTERNAL STANDARDS  
ANDROSTANE (μL): 0.0  
O-TERPHYNEL (μL): 0.0  
DRY WEIGHT EXTRACTED (G): 16.83  
SAMPLE SIZE INJECTED (μL): 1.9

DATE ANALYZED: 11/05/82  
SAMPLE VOLUME (ML): 1.0

| COMPOUND         | AREA   | RESPONSE<br>FACTOR | NG       | μG/G    | RATIOS              |
|------------------|--------|--------------------|----------|---------|---------------------|
| NAPHTHALENE      | 0      | .0122              | .0000    | .0000   | RESOL/UNRESOL .2890 |
| PHENANTHRENE     | 1031   | .0112              | 11.5472  | .3611   |                     |
| DIBENZOTHIOPHENE | 737    | .0112              | 8.2544   | .2581   | RECOVERY %          |
| PYRENE           | 491    | .0136              | 6.6776   | .2088   | ANDROSTANE .0000    |
| O-TERPHYNEL      | 0      | .0033              | .0000    | .0000   | O-TERPHYNEL .0000   |
| ANDROSTANE       | 0      | .0030              | .0000    | .0000   |                     |
| RESOLVED         | 86513  | .0033              | 278.0382 | 9.5230  |                     |
| UNRESOLVED       | 299371 | .0033              | 987.9243 | 30.8948 |                     |
| TOTAL            |        |                    |          | 40.4179 |                     |

SAMPLE: 20  
INTERNAL STANDARDS  
ANDROSTANE (μL): 0.0  
O-TERPHYNEL (μL): 0.0  
DRY WEIGHT EXTRACTED (G): 27.81  
SAMPLE SIZE INJECTED (μL): 1.9

DATE ANALYZED: 11/05/82  
SAMPLE VOLUME (ML): 1.0

| COMPOUND         | AREA  | RESPONSE<br>FACTOR | NG       | μG/G   | RATIOS              |
|------------------|-------|--------------------|----------|--------|---------------------|
| NAPHTHALENE      | 0     | .0122              | .0000    | .0000  | RESOL/UNRESOL .0000 |
| PHENANTHRENE     | 0     | .0112              | .0000    | .0000  |                     |
| DIBENZOTHIOPHENE | 692   | .0112              | 7.7504   | .1477  | RECOVERY %          |
| PYRENE           | 0     | .0136              | .0000    | .0000  | ANDROSTANE .0000    |
| O-TERPHYNEL      | 0     | .0033              | .0000    | .0000  | O-TERPHYNEL .0000   |
| ANDROSTANE       | 0     | .0030              | .0000    | .0000  |                     |
| RESOLVED         | 42796 | .0033              | 138.9432 | 2.7963 |                     |
| UNRESOLVED       | 0     | .0033              | .0000    | .0000  |                     |
| TOTAL            |       |                    |          | 2.7963 |                     |

SAMPLE: 21  
INTERNAL STANDARDS  
ANDROSTANE (μL): 0.0  
O-TERPHYNEL (μL): 0.0  
DRY WEIGHT EXTRACTED (G): 36.29  
SAMPLE SIZE INJECTED (μL): 1.9

DATE ANALYZED: 11/05/82  
SAMPLE VOLUME (ML): 1.0

| COMPOUND         | AREA  | RESPONSE<br>FACTOR | NG       | μG/G   | RATIOS              |
|------------------|-------|--------------------|----------|--------|---------------------|
| NAPHTHALENE      | 0     | .0122              | .0000    | .0000  | RESOL/UNRESOL .0000 |
| PHENANTHRENE     | 0     | .0112              | .0000    | .0000  |                     |
| DIBENZOTHIOPHENE | 60 ?  | .0112              | 1.0880   | .0158  | RECOVERY %          |
| PYRENE           | 0     | .0136              | .0000    | .0000  | ANDROSTANE .0000    |
| O-TERPHYNEL      | 0     | .0033              | .0000    | .0000  | O-TERPHYNEL .0000   |
| ANDROSTANE       | 0     | .0030              | .0000    | .0000  |                     |
| RESOLVED         | 65994 | .0033              | 217.5162 | 3.1704 |                     |
| UNRESOLVED       | 0     | .0033              | .0000    | .0000  |                     |
| TOTAL            |       |                    |          | 3.1704 |                     |

SAMPLE: 22  
INTERNAL STANDARDS  
ANDROSTANE (μL): 0.0  
O-TERPHYNEL (μL): 0.0  
DRY WEIGHT EXTRACTED (G): 40.50  
SAMPLE SIZE INJECTED (μL): 1.9

DATE ANALYZED: 10/25/82  
SAMPLE VOLUME (ML): 1.0

| COMPOUND         | AREA   | RESPONSE<br>FACTOR | NG        | μG/G    | RATIOS        |            |
|------------------|--------|--------------------|-----------|---------|---------------|------------|
| NAPHTHALENE      | 0      | .0122              | .0000     | .0000   | RESOL/UNRESOL | .2300<br>? |
| PHENANTHRENE     | 14012  | .0112              | 157.0352  | 1.0204  |               |            |
| DIBENZOTHIOPHENE | 1626   | .0112              | 18.2112   | .1183   | RECOVERY %    |            |
| PYRENE           | 2091   | .0136              | 28.4376   | .1848   | ANDROSTANE    | .0000      |
| O-TERPHYNEL      | 0      | .0033              | .0000     | .0000   | O-TERPHYNEL   | .0000      |
| ANDROSTANE       | 0      | .0030              | .0000     | .0000   |               |            |
| RESOLVED         | 80080  | .0033              | 205.7286  | 2.6603  |               |            |
| UNRESOLVED       | 348128 | .0033              | 1148.8224 | 7.4647  |               |            |
| TOTAL            |        |                    |           | 10.1250 |               |            |

SAMPLE: 23  
INTERNAL STANDARDS  
ANDROSTANE (μL): 0.0  
O-TERPHYNEL (μL): 0.0  
DRY WEIGHT EXTRACTED (G): 35.64  
SAMPLE SIZE INJECTED (μL): 1.9

DATE ANALYZED: 10/21/82  
SAMPLE VOLUME (ML): 1.0

| COMPOUND         | AREA  | RESPONSE<br>FACTOR | NG       | μG/G   | RATIOS        |       |
|------------------|-------|--------------------|----------|--------|---------------|-------|
| NAPHTHALENE      | 0     | .0122              | .0000    | .0000  | RESOL/UNRESOL | .0000 |
| PHENANTHRENE     | 6796  | .0112              | 76.1152  | 1.1240 |               |       |
| DIBENZOTHIOPHENE | 1713  | .0112              | 19.1856  | .2836  | RECOVERY %    |       |
| PYRENE           | 1340  | .0136              | 18.2240  | .2691  | ANDROSTANE    | .0000 |
| O-TERPHYNEL      | 0     | .0033              | .0000    | .0000  | O-TERPHYNEL   | .0000 |
| ANDROSTANE       | 0     | .0030              | .0000    | .0000  |               |       |
| RESOLVED         | 93297 | .0033              | 275.3784 | 5.7432 |               |       |
| UNRESOLVED       | 0     | .0033              | .0000    | .0000  |               |       |
| TOTAL            |       |                    |          | 5.7432 |               |       |

SAMPLE: 26  
 INTERNAL STANDARDS  
 ANDROSTANE (μL): 0.0  
 O-TERPHYNEL (μL): 0.0  
 DRY WEIGHT EXTRACTED (G): 40.65  
 SAMPLE SIZE INJECTED (μL): 1.9

DATE ANALYZED: 11/05/82  
 SAMPLE VOLUME (ML): 1.0

| COMPOUND         | AREA   | RESPONSE<br>FACTOR | NG       | μG/G    | RATIOS              |
|------------------|--------|--------------------|----------|---------|---------------------|
| NAPHTHALENE      | 0      | .0122              | .0000    | .0000   | RESOL/UNRESOL .0000 |
| PHENANTHRENE     | 7428   | .0112              | 83.1936  | 1.0771  |                     |
| DIBENZOTHIOPHENE | 936    | .0112              | 10.4832  | .1357   | RECOVERY %          |
| PYRENE           | 6496   | .0136              | 129.1456 | 1.6721  | ANDROSTANE .0000    |
| O-TERPHYNEL      | 0      | .0033              | .0000    | .0000   | O-TERPHYNEL .0000   |
| ANDROSTANE       | 0      | .0030              | .0000    | .0000   |                     |
| RESOLVED         | 202727 | .0033              | 610.0611 | 10.7838 |                     |
| UNRESOLVED       | 0      | .0033              | .0000    | .0000   |                     |
| TOTAL            |        |                    |          | 16.7838 |                     |

SAMPLE: 27  
 INTERNAL STANDARDS  
 ANDROSTANE (μL): 0.0  
 O-TERPHYNEL (μL): 0.0  
 DRY WEIGHT EXTRACTED (G): 30.20  
 SAMPLE SIZE INJECTED (μL): 1.9

DATE ANALYZED: 11/06/82  
 SAMPLE VOLUME (ML): 1.0

| COMPOUND         | AREA  | RESPONSE<br>FACTOR | NG       | μG/G   | RATIOS              |
|------------------|-------|--------------------|----------|--------|---------------------|
| NAPHTHALENE      | 0     | .0122              | .0000    | .0000  | RESOL/UNRESOL .0000 |
| PHENANTHRENE     | 0     | .0112              | .0000    | .0000  |                     |
| DIBENZOTHIOPHENE | 0     | .0112              | .0000    | .0000  | RECOVERY %          |
| PYRENE           | 1253  | .0136              | 17.0408  | .2970  | ANDROSTANE .0000    |
| O-TERPHYNEL      | 0     | .0033              | .0000    | .0000  | O-TERPHYNEL .0000   |
| ANDROSTANE       | 0     | .0030              | .0000    | .0000  |                     |
| RESOLVED         | 37210 | .0033              | 118.6581 | 2.3649 |                     |
| UNRESOLVED       | 0     | .0033              | .0000    | .0000  |                     |
| TOTAL            |       |                    |          | 2.3649 |                     |

SAMPLE: 28  
 INTERNAL STANDARDS  
 ANDROSTANE (μL): 0.0  
 O-TERPHYNEL (μL): 0.0  
 DRY WEIGHT EXTRACTED (G): 26.03  
 SAMPLE SIZE INJECTED (μL): 1.9

DATE ANALYZED: 11/06/82  
 SAMPLE VOLUME (ML): 1.0

| COMPOUND         | AREA  | RESPONSE<br>FACTOR | NG       | μG/G   | RATIOS              |
|------------------|-------|--------------------|----------|--------|---------------------|
| NAPHTHALENE      | 0     | .0122              | .0000    | .0000  | RESOL/UNRESOL .0000 |
| PHENANTHRENE     | 0     | .0112              | .0000    | .0000  |                     |
| DIBENZOTHIOPHENE | 0     | .0112              | .0000    | .0000  | RECOVERY %          |
| PYRENE           | 0     | .0136              | .0000    | .0000  | ANDROSTANE .0000    |
| O-TERPHYNEL      | 0     | .0033              | .0000    | .0000  | O-TERPHYNEL .0000   |
| ANDROSTANE       | 0     | .0030              | .0000    | .0000  |                     |
| RESOLVED         | 30310 | .0033              | 100.0230 | 2.0234 |                     |
| UNRESOLVED       | 0     | .0033              | .0000    | .0000  |                     |
| TOTAL            |       |                    |          | 2.0234 |                     |

SAMPLE: 29  
 INTERNAL STANDARDS  
 ANDROSTANE (μL): 0.0  
 O-TERPHYNEL (μL): 0.0  
 DRY WEIGHT EXTRACTED (G): 23.99  
 SAMPLE SIZE INJECTED (μL): 1.9

DATE ANALYZED: 11/06/82  
 SAMPLE VOLUME (ML): 1.0

| COMPOUND         | AREA  | RESPONSE<br>FACTOR | NG       | μG/G   | RATIOS              |
|------------------|-------|--------------------|----------|--------|---------------------|
| NAPHTHALENE      | 0     | .0122              | .0000    | .0000  | RESOL/UNRESOL .0000 |
| PHENANTHRENE     | 3794  | .0112              | 42.4928  | .9322  |                     |
| DIBENZOTHIOPHENE | 672   | .0112              | 7.5268   | .1651  | RECOVERY %          |
| PYRENE           | 7216  | .0136              | 98.1376  | 2.1530 | ANDROSTANE .0000    |
| O-TERPHYNEL      | 0     | .0033              | .0000    | .0000  | O-TERPHYNEL .0000   |
| ANDROSTANE       | 0     | .0030              | .0000    | .0000  |                     |
| RESOLVED         | 98610 | .0033              | 286.8624 | 9.5439 |                     |
| UNRESOLVED       | 0     | .0033              | .0000    | .0000  |                     |
| TOTAL            |       |                    |          | 9.5439 |                     |

SAMPLE: 30  
 INTERNAL STANDARDS  
 ANDROSTANE ( $\mu\text{L}$ ): 0.0  
 O-TERPHYNEL ( $\mu\text{L}$ ): 0.0  
 DRY WEIGHT EXTRACTED (G): 43.64  
 SAMPLE SIZE INJECTED ( $\mu\text{L}$ ): 1.9

DATE ANALYZED: 11/06/82  
 SAMPLE VOLUME (ML): 1.0

| COMPOUND         | AREA  | RESPONSE<br>FACTOR | NG        | $\mu\text{G/G}$ | RATIOS              |
|------------------|-------|--------------------|-----------|-----------------|---------------------|
| NAPHTHALENE      | 0     | .0122              | .0000     | .0000           | RESOL/UNRESOL .0000 |
| PHENANTHRENE     | 1087  | .0112              | 17.1744 ? | .1468           |                     |
| DIBENZOTHIOPHENE | 0     | .0112              | .0000     | .0000           | RECOVERY %          |
| PYRENE           | 0     | .0136              | .0000     | .0000           | ANDROSTANE .0000    |
| O-TERPHYNEL      | 0     | .0033              | .0000     | .0000           | O-TERPHYNEL .0000   |
| ANDROSTANE       | 0     | .0030              | .0000     | .0000           |                     |
| RESOLVED         | 45085 | .0033              | 145.1934  | 1.8979          |                     |
| UNRESOLVED       | 0     | .0033              | .0000     | .0000           |                     |
| TOTAL            |       |                    |           | 1.8979          |                     |

SAMPLE: 31  
 INTERNAL STANDARDS  
 ANDROSTANE ( $\mu\text{L}$ ): 0.0  
 O-TERPHYNEL ( $\mu\text{L}$ ): 0.0  
 DRY WEIGHT EXTRACTED (G): 24.75  
 SAMPLE SIZE INJECTED ( $\mu\text{L}$ ): 1.9

DATE ANALYZED: 10/14/82  
 SAMPLE VOLUME (ML): 1.0

| COMPOUND         | AREA   | RESPONSE<br>FACTOR | NG       | $\mu\text{G/G}$ | RATIOS              |
|------------------|--------|--------------------|----------|-----------------|---------------------|
| NAPHTHALENE      | 0      | .0122              | .0000    | .0000           | RESOL/UNRESOL .0000 |
| PHENANTHRENE     | 527    | .0112              | 5.9024   | .1255           |                     |
| DIBENZOTHIOPHENE | 362    | .0112              | 4.0544   | .0862           | RECOVERY %          |
| PYRENE           | 5451   | .0136              | 74.1336  | 1.5758          | ANDROSTANE .0000    |
| O-TERPHYNEL      | 0      | .0033              | .0000    | .0000           | O-TERPHYNEL .0000   |
| ANDROSTANE       | 0      | .0030              | .0000    | .0000           |                     |
| RESOLVED         | 234230 | .0033              | 752.0370 | 17.7733         |                     |
| UNRESOLVED       | 0      | .0033              | .0000    | .0000           |                     |
| TOTAL            |        |                    |          | 17.7733         |                     |

SAMPLE: 32  
 INTERNAL STANDARDS  
 ANDROSTANE (μL): 0.0  
 O-TERPHYNEL (μL): 0.0  
 DRY WEIGHT EXTRACTED (G): 40.28  
 SAMPLE SIZE INJECTED (μL): 1.9

DATE ANALYZED: 10/22/82  
 SAMPLE VOLUME (ML): 1.0

| COMPOUND         | AREA   | RESPONSE<br>FACTOR | NG        | μG/G    | RATIOS               |
|------------------|--------|--------------------|-----------|---------|----------------------|
| NAPHTHALENE      | 0      | .0122              | .0000     | .0000   | RESOL/UNRESOL 1.1434 |
| PHENANTHRENE     | 360    | .0112              | 4.0320    | .0527   |                      |
| DIBENZOTHIOPHENE | 8948   | .0112              | 100.2176  | 1.3095  | RECOVERY %           |
| PYRENE           | 11637  | .0136              | 158.2632  | 2.0679  | ANDROSTANE .0000     |
| O-TERPHYNEL      | 0      | .0033              | .0000     | .0000   | O-TERPHYNEL .0000    |
| ANDROSTANE       | 0      | .0030              | .0000     | .0000   |                      |
| RESOLVED         | 740348 | .0033              | 2374.0299 | 34.4502 |                      |
| UNRESOLVED       | 647499 | .0033              | 2136.7467 | 27.9197 |                      |
| TOTAL            |        |                    |           | 62.3698 |                      |

SAMPLE: 33  
 INTERNAL STANDARDS  
 ANDROSTANE (μL): 500.0  
 O-TERPHYNEL (μL): 0.0  
 DRY WEIGHT EXTRACTED (G): 10.51  
 SAMPLE SIZE INJECTED (μL): 1.9

DATE ANALYZED: 11/06/82  
 SAMPLE VOLUME (ML): 1.0

| COMPOUND         | AREA   | RESPONSE<br>FACTOR | NG       | μG/G    | RATIOS              |
|------------------|--------|--------------------|----------|---------|---------------------|
| NAPHTHALENE      | 663    | .0122              | 8.0886   | .4051   | RESOL/UNRESOL .0000 |
| PHENANTHRENE     | 263    | .0112              | 2.9546   | .1475   |                     |
| DIBENZOTHIOPHENE | 1604   | .0112              | 17.9648  | .8996   | RECOVERY %          |
| PYRENE           | 3250   | .0136              | 44.2000  | 2.2134  | ANDROSTANE .6347    |
| O-TERPHYNEL      | 0      | .0033              | .0000    | .0000   | O-TERPHYNEL .0000   |
| ANDROSTANE       | 2010   | .0030              | 6.0300   | .3020   |                     |
| RESOLVED         | 162636 | .0033              | 517.6248 | 29.5870 |                     |
| UNRESOLVED       | 0      | .0033              | .0000    | .0000   |                     |
| TOTAL            |        |                    |          | 29.5870 |                     |

SAMPLE: 34  
 INTERNAL STANDARDS  
 ANDROSTANE ( $\mu\text{L}$ ): 500.0  
 O-TERPHYNEL ( $\mu\text{L}$ ): 0.0  
 DRY WEIGHT EXTRACTED (G): 33.71  
 SAMPLE SIZE INJECTED ( $\mu\text{L}$ ): 1.9

DATE ANALYZED: 11/06/82  
 SAMPLE VOLUME (ML): 1.0

| COMPOUND         | AREA  | RESPONSE<br>FACTOR | NG       | $\mu\text{G/G}$ | RATIOS              |
|------------------|-------|--------------------|----------|-----------------|---------------------|
| NAPHTHALENE      | 0     | .0122              | .0000    | .0000           | RESOL/UNRESOL .0000 |
| PHENANTHRENE     | 1386  | .0112              | 15.5232  | .2424           |                     |
| DIBENZOTHIOPHENE | 1633  | .0112              | 18.2896  | .2856           | RECOVERY %          |
| PYRENE           | 1420  | .0136              | 19.3120  | .3015           | ANDROSTANE .0000    |
| O-TERPHYNEL      | 0     | .0033              | .0000    | .0000           | O-TERPHYNEL .0000   |
| ANDROSTANE       | 0     | .0030              | .0000    | .0000           |                     |
| RESOLVED         | 69622 | .0033              | 215.1039 | 4.1879          |                     |
| UNRESOLVED       | 0     | .0033              | .0000    | .0000           |                     |
| TOTAL            |       |                    |          | 4.1879          |                     |

SAMPLE: 35  
 INTERNAL STANDARDS  
 ANDROSTANE ( $\mu\text{L}$ ): 500.0  
 O-TERPHYNEL ( $\mu\text{L}$ ): 0.0  
 DRY WEIGHT EXTRACTED (G): 35.05  
 SAMPLE SIZE INJECTED ( $\mu\text{L}$ ): 1.0

DATE ANALYZED: 11/08/82  
 SAMPLE VOLUME (ML): 1.0

| COMPOUND         | AREA  | RESPONSE<br>FACTOR | NG       | $\mu\text{G/G}$ | RATIOS              |
|------------------|-------|--------------------|----------|-----------------|---------------------|
| NAPHTHALENE      | 0     | .0122              | .0000    | .0000           | RESOL/UNRESOL .0000 |
| PHENANTHRENE     | 2099  | .0112              | 23.5088  | .6707           |                     |
| DIBENZOTHIOPHENE | 1588  | .0112              | 17.7856  | .5074           | RECOVERY %          |
| PYRENE           | 2711  | .0136              | 36.8696  | 1.0519          | ANDROSTANE .0000    |
| O-TERPHYNEL      | 0     | .0033              | .0000    | .0000           | O-TERPHYNEL .0000   |
| ANDROSTANE       | 0     | .0030              | .0000    | .0000           |                     |
| RESOLVED         | 54688 | .0033              | 159.3570 | 6.7766          |                     |
| UNRESOLVED       | 0     | .0033              | .0000    | .0000           |                     |
| TOTAL            |       |                    |          | 6.7766          |                     |



SAMPLE: 36  
INTERNAL STANDARDS  
ANDROSTANE (μL): 0.0  
O-TERPHYNEL (μL): 0.0  
DRY WEIGHT EXTRACTED (G): 41.28  
SAMPLE SIZE INJECTED (μL): 1.9

DATE ANALYZED: 10/25/82  
SAMPLE VOLUME (ML): 1.0

| COMPOUND         | AREA   | RESPONSE<br>FACTOR | NG       | μG/G    | RATIOS              |
|------------------|--------|--------------------|----------|---------|---------------------|
| NAPHTHALENE      | 4690   | .0122              | 57.2180  | .7295   | RESOL/UNRESOL .4210 |
| PHENANTHRENE     | 1650   | .0112              | 18.4800  | .2356   |                     |
| DIBENZOTHIOPHENE | 0      | .0112              | .0000    | .0000   | RECOVERY %          |
| PYRENE           | 14080  | .0136              | 191.4880 | 2.4415  | ANDROSTANE .0000    |
| O-TERPHYNEL      | 0      | .0033              | .0000    | .0000   | O-TERPHYNEL .0000   |
| ANDROSTANE       | 0      | .0030              | .0000    | .0000   |                     |
| RESOLVED         | 71842  | .0033              | 169.6926 | 5.5702  |                     |
| UNRESOLVED       | 170651 | .0033              | 563.1483 | 7.1801  |                     |
| TOTAL            |        |                    |          | 12.7502 |                     |

SAMPLE: 38  
INTERNAL STANDARDS  
ANDROSTANE (μL): 0.0  
O-TERPHYNEL (μL): 0.0  
DRY WEIGHT EXTRACTED (G): 40.89  
SAMPLE SIZE INJECTED (μL): 1.9

DATE ANALYZED: 10/25/82  
SAMPLE VOLUME (ML): 1.0

| COMPOUND         | AREA  | RESPONSE<br>FACTOR | NG       | μG/G   | RATIOS              |
|------------------|-------|--------------------|----------|--------|---------------------|
| NAPHTHALENE      | 0     | .0122              | .0000    | .0000  | RESOL/UNRESOL .0000 |
| PHENANTHRENE     | 541   | .0112              | 6.0582   | .0780  |                     |
| DIBENZOTHIOPHENE | 1218  | .0112              | 13.6416  | .1756  | RECOVERY %          |
| PYRENE           | 3679  | .0136              | 50.0344  | .6440  | ANDROSTANE .0000    |
| O-TERPHYNEL      | 0     | .0033              | .0000    | .0000  | O-TERPHYNEL .0000   |
| ANDROSTANE       | 0     | .0030              | .0000    | .0000  |                     |
| RESOLVED         | 71601 | .0033              | 218.3379 | 3.7079 |                     |
| UNRESOLVED       | 0     | .0033              | .0000    | .0000  |                     |
| TOTAL            |       |                    |          | 3.7079 |                     |

SAMPLE: 40  
 INTERNAL STANDARDS  
 ANDROSTANE ( $\mu\text{L}$ ): 0.0  
 O-TERPHYNEL ( $\mu\text{L}$ ): 0.0  
 DRY WEIGHT EXTRACTED (G): 16.74  
 SAMPLE SIZE INJECTED ( $\mu\text{L}$ ): 1.0

DATE ANALYZED: 11/08/82  
 SAMPLE VOLUME (ML): 1.0

| COMPOUND         | AREA   | RESPONSE<br>FACTOR | NG       | $\mu\text{G/G}$ | RATIOS              |
|------------------|--------|--------------------|----------|-----------------|---------------------|
| NAPHTHALENE      | 303    | .0122              | 3.6966   | .2208           | RESOL/UNRESOL .0000 |
| PHENANTHRENE     | 491    | .0112              | 5.4992   | .3285           |                     |
| DIBENZOTHIOPHENE | 8672   | .0112              | 97.1264  | 5.8021          | RECOVERY %          |
| PYRENE           | 0      | .0136              | .0000    | .0000           | ANDROSTANE .0000    |
| O-TERPHYNEL      | 0      | .0033              | .0000    | .0000           | O-TERPHYNEL .0000   |
| ANDROSTANE       | 0      | .0030              | .0000    | .0000           |                     |
| RESOLVED         | 306956 | .0033              | 981.7170 | 64.9964         |                     |
| UNRESOLVED       | 0      | .0033              | .0000    | .0000           |                     |
| TOTAL            |        |                    |          | 64.9964         |                     |

SAMPLE: 41  
 INTERNAL STANDARDS  
 ANDROSTANE ( $\mu\text{L}$ ): 0.0  
 O-TERPHYNEL ( $\mu\text{L}$ ): 0.0  
 DRY WEIGHT EXTRACTED (G): 33.15  
 SAMPLE SIZE INJECTED ( $\mu\text{L}$ ): 1.9

DATE ANALYZED: 10/27/82  
 SAMPLE VOLUME (ML): 1.0

| COMPOUND         | AREA   | RESPONSE<br>FACTOR | NG       | $\mu\text{G/G}$ | RATIOS              |
|------------------|--------|--------------------|----------|-----------------|---------------------|
| NAPHTHALENE      | 0      | .0122              | .0000    | .0000           | RESOL/UNRESOL .0000 |
| PHENANTHRENE     | 289    | .0112              | 3.2368   | .0514           |                     |
| DIBENZOTHIOPHENE | 6335   | .0112              | 70.9520  | 1.1265          | RECOVERY %          |
| PYRENE           | 3672   | .0136              | 49.9392  | .7929           | ANDROSTANE .0000    |
| O-TERPHYNEL      | 0      | .0033              | .0000    | .0000           | O-TERPHYNEL .0000   |
| ANDROSTANE       | 0      | .0030              | .0000    | .0000           |                     |
| RESOLVED         | 122065 | .0033              | 368.8377 | 7.8267          |                     |
| UNRESOLVED       | 0      | .0033              | .0000    | .0000           |                     |
| TOTAL            |        |                    |          | 7.8267          |                     |

SAMPLE: 42  
 INTERNAL STANDARDS  
 ANDROSTANE (μL): 0.0  
 O-TERPHYNEL (μL): 0.0  
 DRY WEIGHT EXTRACTED (G): 19.77  
 SAMPLE SIZE INJECTED (μL): 1.9

DATE ANALYZED: 11/10/82  
 SAMPLE VOLUME (ML): 1.0

| COMPOUND         | AREA  | RESPONSE<br>FACTOR | NG      | μG/G   | RATIOS              |
|------------------|-------|--------------------|---------|--------|---------------------|
| NAPHTHALENE      | 511   | .0122              | 6.2342  | .1660  | RESOL/UNRESOL .0000 |
| PHENANTHRENE     | 0     | .0112              | .0000   | .0000  |                     |
| DIBENZOTHIOPHENE | 0     | .0112              | .0000   | .0000  | RECOVERY %          |
| PYRENE           | 737   | .0136              | 10.0232 | .2668  | ANDROSTANE .0000    |
| O-TERPHYNEL      | 0     | .0033              | .0000   | .0000  | O-TERPHYNEL .0000   |
| ANDROSTANE       | 0     | .0030              | .0000   | .0000  |                     |
| RESOLVED         | 12246 | .0033              | 36.2934 | 1.3990 |                     |
| UNRESOLVED       | 0     | .0033              | .0000   | .0000  |                     |
| TOTAL            |       |                    |         | 1.3990 |                     |

SAMPLE: 43  
 INTERNAL STANDARDS  
 ANDROSTANE (μL): 0.0  
 O-TERPHYNEL (μL): 0.0  
 DRY WEIGHT EXTRACTED (G): 17.10  
 SAMPLE SIZE INJECTED (μL): 1.9

DATE ANALYZED: 11/12/82  
 SAMPLE VOLUME (ML): 1.0

| COMPOUND         | AREA   | RESPONSE<br>FACTOR | NG       | μG/G    | RATIOS              |
|------------------|--------|--------------------|----------|---------|---------------------|
| NAPHTHALENE      | 0      | .0122              | .0000    | .0000   | RESOL/UNRESOL .0000 |
| PHENANTHRENE     | 685    | .0112              | 7.6720   | .2361   |                     |
| DIBENZOTHIOPHENE | 410    | .0112              | 4.5920   | .1413   | RECOVERY %          |
| PYRENE           | 1928   | .0136              | 26.2208  | .8070   | ANDROSTANE .0000    |
| O-TERPHYNEL      | 0      | .0033              | .0000    | .0000   | O-TERPHYNEL .0000   |
| ANDROSTANE       | 0      | .0030              | .0000    | .0000   |                     |
| RESOLVED         | 180100 | .0033              | 584.3541 | 19.1702 |                     |
| UNRESOLVED       | 0      | .0033              | .0000    | .0000   |                     |
| TOTAL            |        |                    |          | 19.1702 |                     |

SAMPLE: 44  
 INTERNAL STANDARDS  
 ANDROSTANE (μL): 0.0  
 O-TERPHYNEL (μL): 0.0  
 DRY WEIGHT EXTRACTED (G): 41.58  
 SAMPLE SIZE INJECTED (μL): 1.9

DATE ANALYZED: 10/20/82  
 SAMPLE VOLUME (ML): 1.0

| COMPOUND         | AREA   | RESPONSE<br>FACTOR | NG       | μG/G   | RATIOS              |
|------------------|--------|--------------------|----------|--------|---------------------|
| NAPHTHALENE      | 0      | .0122              | .0000    | .0000  | RESOL/UNRESOL .0000 |
| PHENANTHRENE     | 0      | .0112              | .0000    | .0000  |                     |
| DIBENZOTHIOPHENE | 0      | .0112              | .0000    | .0000  | RECOVERY %          |
| PYRENE           | 14213  | .0136              | 193.2968 | 2.4467 | ANDROSTANE .0000    |
| O-TERPHYNEL      | 0      | .0033              | .0000    | .0000  | O-TERPHYNEL .0000   |
| ANDROSTANE       | 0      | .0030              | .0000    | .0000  |                     |
| RESOLVED         | 120640 | .0033              | 351.2091 | 6.8923 |                     |
| UNRESOLVED       | 0      | .0033              | .0000    | .0000  |                     |
| TOTAL            |        |                    |          | 6.8923 |                     |

SAMPLE: 46  
 INTERNAL STANDARDS  
 ANDROSTANE (μL): 0.0  
 O-TERPHYNEL (μL): 0.0  
 DRY WEIGHT EXTRACTED (G): 18.49  
 SAMPLE SIZE INJECTED (μL): 1.9

DATE ANALYZED: 11/09/82  
 SAMPLE VOLUME (ML): 1.0

| COMPOUND         | AREA  | RESPONSE<br>FACTOR | NG       | μG/G   | RATIOS              |
|------------------|-------|--------------------|----------|--------|---------------------|
| NAPHTHALENE      | 0     | .0122              | .0000    | .0000  | RESOL/UNRESOL .0000 |
| PHENANTHRENE     | 1625  | .0112              | 18.2000  | .5181  |                     |
| DIBENZOTHIOPHENE | 0     | .0112              | .0000    | .0000  | RECOVERY %          |
| PYRENE           | 990   | .0136              | 13.4640  | .3833  | ANDROSTANE .0000    |
| O-TERPHYNEL      | 0     | .0033              | .0000    | .0000  | O-TERPHYNEL .0000   |
| ANDROSTANE       | 0     | .0030              | .0000    | .0000  |                     |
| RESOLVED         | 44400 | .0033              | 137.8905 | 4.8263 |                     |
| UNRESOLVED       | 0     | .0033              | .0000    | .0000  |                     |
| TOTAL            |       |                    |          | 4.8263 |                     |

SAMPLE: 47  
INTERNAL STANDARDS  
ANDROSTANE (μL): 0.0  
O-TERPHYNEL (μL): 0.0  
DRY WEIGHT EXTRACTED (G): 28.43  
SAMPLE SIZE INJECTED (μL): 1.9

DATE ANALYZED: 10/27/82  
SAMPLE VOLUME (ML): 1.0

| COMPOUND         | AREA  | RESPONSE<br>FACTOR | NG       | μG/G   | RATIOS              |
|------------------|-------|--------------------|----------|--------|---------------------|
| NAPHTHALENE      | 0     | .0122              | .0000    | .0000  | RESOL/UNRESOL .0000 |
| PHENANTHRENE     | 520   | .0112              | 5.8240   | .1078  |                     |
| DIBENZOTHIOPHENE | 975   | .0112              | 10.9200  | .2022  | RECOVERY %          |
| PYRENE           | 1134  | .0136              | 15.4224  | .2855  | ANDROSTANE .0000    |
| O-TERPHYNEL      | 0     | .0033              | .0000    | .0000  | O-TERPHYNEL .0000   |
| ANDROSTANE       | 0     | .0030              | .0000    | .0000  |                     |
| RESOLVED         | 44556 | .0033              | 138.3591 | 3.1569 |                     |
| UNRESOLVED       | 0     | .0033              | .0000    | .0000  |                     |
| TOTAL            |       |                    |          | 3.1569 |                     |

SAMPLE: 48  
INTERNAL STANDARDS  
ANDROSTANE (μL): 0.0  
O-TERPHYNEL (μL): 0.0  
DRY WEIGHT EXTRACTED (G): 11.12  
SAMPLE SIZE INJECTED (μL): 1.9

DATE ANALYZED: 10/22/82  
SAMPLE VOLUME (ML): 1.0

| COMPOUND         | AREA   | RESPONSE<br>FACTOR | NG        | μG/G    | RATIOS              |
|------------------|--------|--------------------|-----------|---------|---------------------|
| NAPHTHALENE      | 0      | .0122              | .0000     | .0000   | RESOL/UNRESOL .0879 |
| PHENANTHRENE     | 1185   | .0112              | 13.0480   | .1915   |                     |
| DIBENZOTHIOPHENE | 0      | .0112              | .0000     | .0000   | RECOVERY %          |
| PYRENE           | 2906   | .0136              | 39.5216   | .5799   | ANDROSTANE .0000    |
| O-TERPHYNEL      | 0      | .0033              | .0000     | .0000   | O-TERPHYNEL .0000   |
| ANDROSTANE       | 0      | .0030              | .0000     | .0000   |                     |
| RESOLVED         | 59945  | .0033              | 184.3842  | 3.4768  |                     |
| UNRESOLVED       | 681630 | .0033              | 2249.3790 | 33.0048 |                     |
| TOTAL            |        |                    |           | 36.4816 |                     |

SAMPLE: 49  
 INTERNAL STANDARDS  
 ANDROSTANE ( $\mu\text{L}$ ): 0.0  
 O-TERPHYNEL ( $\mu\text{L}$ ): 0.0  
 DRY WEIGHT EXTRACTED (G): 35.87  
 SAMPLE SIZE INJECTED ( $\mu\text{L}$ ): 1.9

DATE ANALYZED: 11/11/82  
 SAMPLE VOLUME (ML): 1.0

| COMPOUND         | AREA  | RESPONSE<br>FACTOR | NG       | $\mu\text{G/G}$ | RATIOS              |
|------------------|-------|--------------------|----------|-----------------|---------------------|
| NAPHTHALENE      | 0     | .0122              | .0000    | .0000           | RESOL/UNRESOL .0000 |
| PHENANTHRENE     | 3318  | .0112              | 37.1616  | 1.7589          |                     |
| DIBENZOTHIOPHENE | 0     | .0112              | .0000    | .0000           | RECOVERY %          |
| PYRENE           | 1574  | .0136              | 21.4064  | 1.0132          | ANDROSTANE .0000    |
| O-TERPHYNEL      | 0     | .0033              | .0000    | .0000           | O-TERPHYNEL .0000   |
| ANDROSTANE       | 0     | .0030              | .0000    | .0000           |                     |
| RESOLVED         | 80329 | .0033              | 248.9421 | 14.5546         |                     |
| UNRESOLVED       | 0     | .0033              | .0000    | .0000           |                     |
| TOTAL            |       |                    |          | 14.5546         |                     |

SAMPLE: 51  
 INTERNAL STANDARDS  
 ANDROSTANE ( $\mu\text{L}$ ): 0.0  
 O-TERPHYNEL ( $\mu\text{L}$ ): 0.0  
 DRY WEIGHT EXTRACTED (G): 31.23  
 SAMPLE SIZE INJECTED ( $\mu\text{L}$ ): 1.9

DATE ANALYZED: 10/27/82  
 SAMPLE VOLUME (ML): 0.5

| COMPOUND         | AREA   | RESPONSE<br>FACTOR | NG        | $\mu\text{G/G}$ | RATIOS              |
|------------------|--------|--------------------|-----------|-----------------|---------------------|
| NAPHTHALENE      | 0      | .0122              | .0000     | .0000           | RESOL/UNRESOL .0000 |
| PHENANTHRENE     | 31648  | .0112              | 354.4576  | 8.8415          |                     |
| DIBENZOTHIOPHENE | 8701   | .0112              | 97.4512   | 2.4308          | RECOVERY %          |
| PYRENE           | 48493  | .0136              | 659.5048  | 16.4506         | ANDROSTANE .0000    |
| O-TERPHYNEL      | 0      | .0033              | .0000     | .0000           | O-TERPHYNEL .0000   |
| ANDROSTANE       | 0      | .0030              | .0000     | .0000           |                     |
| RESOLVED         | 429523 | .0033              | 1124.2473 | 55.7660         |                     |
| UNRESOLVED       | 0      | .0033              | .0000     | .0000           |                     |
| TOTAL            |        |                    |           | 55.7660         |                     |

SAMPLE: 52  
 INTERNAL STANDARDS  
 ANDROSTANE ( $\mu\text{L}$ ): 0.0  
 O-TERPHYNEL ( $\mu\text{L}$ ): 0.0  
 DRY WEIGHT EXTRACTED (G): 21.10  
 SAMPLE SIZE INJECTED ( $\mu\text{L}$ ): 1.9

DATE ANALYZED: 10/21/82  
 SAMPLE VOLUME (ML): 1.0

| COMPOUND         | AREA   | RESPONSE<br>FACTOR | NG        | $\mu\text{G/G}$ | RATIOS               |
|------------------|--------|--------------------|-----------|-----------------|----------------------|
| NAPHTHALENE      | 916    | .0122              | 11.1752   | .0942           | RESOL/UNRESOL 1.0849 |
| PHENANTHRENE     | 20951  | .0112              | 234.6512  | 1.9773          |                      |
| DIBENZOTHIOPHENE | 35814  | .0112              | 401.1168  | 3.3800          | RECOVERY %           |
| PYRENE           | 49467  | .0136              | 672.7512  | 5.6689          | ANDROSTANE .0000     |
| O-TERPHYNEL      | 0      | .0033              | .0000     | .0000           | O-TERPHYNEL .0000    |
| ANDROSTANE       | 0      | .0030              | .0000     | .0000           |                      |
| RESOLVED         | 573384 | .0033              | 1538.5788 | 24.0851         |                      |
| UNRESOLVED       | 528531 | .0033              | 1744.1523 | 14.6970         |                      |
| TOTAL            |        |                    |           | 38.7821         |                      |

SAMPLE: 53  
 INTERNAL STANDARDS  
 ANDROSTANE ( $\mu\text{L}$ ): 0.0  
 O-TERPHYNEL ( $\mu\text{L}$ ): 0.0  
 DRY WEIGHT EXTRACTED (G): 36.62  
 SAMPLE SIZE INJECTED ( $\mu\text{L}$ ): 1.0

DATE ANALYZED: 11/10/82  
 SAMPLE VOLUME (ML): 1.0

| COMPOUND         | AREA  | RESPONSE<br>FACTOR | NG       | $\mu\text{G/G}$ | RATIOS              |
|------------------|-------|--------------------|----------|-----------------|---------------------|
| NAPHTHALENE      | 0     | .0122              | .0000    | .0000           | RESOL/UNRESOL .0000 |
| PHENANTHRENE     | 6732  | .0112              | 75.3984  | 2.0580          |                     |
| DIBENZOTHIOPHENE | 2143  | .0112              | 24.0016  | .6554           | RECOVERY %          |
| PYRENE           | 621   | .0136              | 8.4456   | .2306           | ANDROSTANE .0000    |
| O-TERPHYNEL      | 0     | .0033              | .0000    | .0000           | O-TERPHYNEL .0000   |
| ANDROSTANE       | 0     | .0030              | .0000    | .0000           |                     |
| RESOLVED         | 56485 | .0033              | 155.0637 | 7.1794          |                     |
| UNRESOLVED       | 0     | .0033              | .0000    | .0000           |                     |
| TOTAL            |       |                    |          | 7.1794          |                     |

SAMPLE: 54  
 INTERNAL STANDARDS  
 ANDROSTANE (μL): 0.0  
 O-TERPHYNEL (μL): 0.0  
 DRY WEIGHT EXTRACTED (G): 40.77  
 SAMPLE SIZE INJECTED (μL): 1.9

DATE ANALYZED: 10/28/82  
 SAMPLE VOLUME (ML): 1.0

| COMPOUND         | AREA  | RESPONSE<br>FACTOR | NG      | μG/G    | RATIOS              |
|------------------|-------|--------------------|---------|---------|---------------------|
| NAPHTHALENE      | 0     | .0122              | .0000   | .0000   | RESOL/UNRESOL .0000 |
| PHENANTHRENE     | 2003  | .0112              | 22.4336 | 1.4480  |                     |
| DIBENZOTHIOPHENE | 4729  | .0112              | 52.9648 | 3.4187  | RECOVERY %          |
| PYRENE           | 5433  | .0136              | 73.8888 | 4.7693  | ANDROSTANE .0000    |
| O-TERPHYNEL      | 0     | .0033              | .0000   | .0000   | O-TERPHYNEL .0000   |
| ANDROSTANE       | 0     | .0030              | .0000   | .0000   |                     |
| RESOLVED         | 42190 | .0033              | 99.0825 | 16.0315 |                     |
| UNRESOLVED       | 0     | .0033              | .0000   | .0000   |                     |
| TOTAL            |       |                    |         | 16.0315 |                     |

SAMPLE: 55  
 INTERNAL STANDARDS  
 ANDROSTANE (μL): 0.0  
 O-TERPHYNEL (μL): 0.0  
 DRY WEIGHT EXTRACTED (G): 36.19  
 SAMPLE SIZE INJECTED (μL): 1.0

DATE ANALYZED: 11/10/82  
 SAMPLE VOLUME (ML): 1.0

| COMPOUND         | AREA  | RESPONSE<br>FACTOR | NG       | μG/G   | RATIOS              |
|------------------|-------|--------------------|----------|--------|---------------------|
| NAPHTHALENE      | 0     | .0122              | .0000    | .0000  | RESOL/UNRESOL .0000 |
| PHENANTHRENE     | 179   | .0112              | 2.0048   | .0554  |                     |
| DIBENZOTHIOPHENE | 182   | .0112              | 2.0384   | .0563  | RECOVERY %          |
| PYRENE           | 5993  | .0136              | 81.5048  | 2.2521 | ANDROSTANE .0000    |
| O-TERPHYNEL      | 0     | .0033              | .0000    | .0000  | O-TERPHYNEL .0000   |
| ANDROSTANE       | 0     | .0030              | .0000    | .0000  |                     |
| RESOLVED         | 52309 | .0033              | 151.6515 | 6.5543 |                     |
| UNRESOLVED       | 0     | .0033              | .0000    | .0000  |                     |
| TOTAL            |       |                    |          | 6.5543 |                     |



SAMPLE: 56  
 INTERNAL STANDARDS  
 ANDROSTANE (μL): 0.0  
 O-TERPHYNEL (μL): 0.0  
 DRY WEIGHT EXTRACTED (G): 18.36  
 SAMPLE SIZE INJECTED (μL): 1.9

DATE ANALYZED: 10/29/82  
 SAMPLE VOLUME (ML): 5.0

| COMPOUND         | AREA    | RESPONSE<br>FACTOR | NG        | μG/G      | RATIOS              |
|------------------|---------|--------------------|-----------|-----------|---------------------|
| NAPHTHALENE      | 0       | .0122              | .0000     | .0000     | RESOL/UNRESOL .0548 |
| PHENANTHRENE     | 144     | .0112              | 1.6128    | .2312     |                     |
| DIBENZOTHIOPHENE | 1117    | .0112              | 12.5104   | 1.7931    | RECOVERY %          |
| PYRENE           | 17695   | .0136              | 240.5420  | 34.4932   | ANDROSTANE .0000    |
| O-TERPHYNEL      | 0       | .0033              | .0000     | .0000     | O-TERPHYNEL .0000   |
| ANDROSTANE       | 0       | .0030              | .0000     | .0000     |                     |
| RESOLVED         | 139640  | .0033              | 398.2572  | 93.6006   |                     |
| UNRESOLVED       | 2547092 | .0033              | 8405.4034 | 1204.7648 |                     |
| TOTAL            |         |                    |           | 1298.3654 |                     |

SAMPLE: 57  
 INTERNAL STANDARDS  
 ANDROSTANE (μL): 0.0  
 O-TERPHYNEL (μL): 0.0  
 DRY WEIGHT EXTRACTED (G): 21.13  
 SAMPLE SIZE INJECTED (μL): 1.9

DATE ANALYZED: 11/09/82  
 SAMPLE VOLUME (ML): 5.0

| COMPOUND         | AREA   | RESPONSE<br>FACTOR | NG        | μG/G     | RATIOS              |
|------------------|--------|--------------------|-----------|----------|---------------------|
| NAPHTHALENE      | 0      | .0122              | .0000     | .0000    | RESOL/UNRESOL .1983 |
| PHENANTHRENE     | 278    | .0112              | 3.1136    | .3878    |                     |
| DIBENZOTHIOPHENE | 719    | .0112              | 8.0528    | 1.0029   | RECOVERY %          |
| PYRENE           | 5261   | .0136              | 71.5496   | 8.9110   | ANDROSTANE .0000    |
| O-TERPHYNEL      | 0      | .0033              | .0000     | .0000    | O-TERPHYNEL .0000   |
| ANDROSTANE       | 0      | .0030              | .0000     | .0000    |                     |
| RESOLVED         | 93024  | .0033              | 286.3278  | 45.9616  |                     |
| UNRESOLVED       | 469047 | .0033              | 1547.8551 | 192.7734 |                     |
| TOTAL            |        |                    |           | 238.7350 |                     |

SAMPLE: 58  
 INTERNAL STANDARDS  
 ANDROSTANE (μL): 0.0  
 O-TERPHYNEL (μL): 0.0  
 DRY WEIGHT EXTRACTED (G): 22.99  
 SAMPLE SIZE INJECTED (μL): 1.0

DATE ANALYZED: 10/29/82  
 SAMPLE VOLUME (ML): 5.0

| COMPOUND         | AREA    | RESPONSE<br>FACTOR | NG        | μG/G      | RATIOS              |
|------------------|---------|--------------------|-----------|-----------|---------------------|
| NAPHTHALENE      | 0       | .0122              | .0000     | .0000     | RESOL/UNRESOL .0852 |
| PHENANTHRENE     | 3278    | .0112              | 36.7136   | 7.9847    |                     |
| DIBENZOTHIOPHENE | 698     | .0112              | 7.8176    | 1.7002    | RECOVERY %          |
| PYRENE           | 11809   | .0136              | 160.6024  | 34.9288   | ANDROSTANE .0000    |
| O-TERPHYNEL      | 0       | .0033              | .0000     | .0000     | O-TERPHYNEL .0000   |
| ANDROSTANE       | 0       | .0030              | .0000     | .0000     |                     |
| RESOLVED         | 126569  | .0033              | 365.5872  | 124.1237  |                     |
| UNRESOLVED       | 1485153 | .0033              | .0000     | 1065.8992 |                     |
| TOTAL            |         |                    | 4901.0048 | 1190.0229 |                     |

SAMPLE: 59  
 INTERNAL STANDARDS  
 ANDROSTANE (μL): 0.0  
 O-TERPHYNEL (μL): 0.0  
 DRY WEIGHT EXTRACTED (G): 33.70  
 SAMPLE SIZE INJECTED (μL): 1.0

DATE ANALYZED: 11/13/82  
 SAMPLE VOLUME (ML): 5.0

| COMPOUND         | AREA   | RESPONSE<br>FACTOR | NG        | μG/G     | RATIOS              |
|------------------|--------|--------------------|-----------|----------|---------------------|
| NAPHTHALENE      | 0      | .0122              | .0000     | .0000    | RESOL/UNRESOL .0750 |
| PHENANTHRENE     | 442    | .0112              | 4.9504    | .7345    |                     |
| DIBENZOTHIOPHENE | 1071   | .0112              | 11.9952   | 1.7797   | RECOVERY %          |
| PYRENE           | 0      | .0136              | .0000     | .0000    | ANDROSTANE .0000    |
| O-TERPHYNEL      | 0      | .0033              | .0000     | .0000    | O-TERPHYNEL .0000   |
| ANDROSTANE       | 0      | .0030              | .0000     | .0000    |                     |
| RESOLVED         | 45153  | .0033              | 144.0120  | 23.8809  |                     |
| UNRESOLVED       | 601668 | .0033              | 1985.5044 | 294.5852 |                     |
| TOTAL            |        |                    |           | 318.4662 |                     |

SAMPLE: 60  
 INTERNAL STANDARDS  
 ANDROSTANE (μL): 0.0  
 O-TERPHYNEL (μL): 0.0  
 DRY WEIGHT EXTRACTED (G): 27.02  
 SAMPLE SIZE INJECTED (μL): 1.0

DATE ANALYZED: 10/28/82  
 SAMPLE VOLUME (ML): 9.9

| COMPOUND         | AREA   | RESPONSE<br>FACTOR | NG        | μG/G      | RATIOS              |
|------------------|--------|--------------------|-----------|-----------|---------------------|
| NAPHTHALENE      | 0      | .0122              | .0000     | .0000     | RESOL/UNRESOL .2778 |
| PHENANTHRENE     | 871    | .0112              | 9.7552    | 3.5743    |                     |
| DIBENZOTHIOPHENE | 3107   | .0112              | 34.7984   | 14.7500   | RECOVERY %          |
| PYRENE           | 19140  | .0136              | 260.3040  | 95.3741   | ANDROSTANE .0000    |
| O-TERPHYNEL      | 0      | .0033              | .0000     | .0000     | O-TERPHYNEL .0000   |
| ANDROSTANE       | 0      | .0030              | .0000     | .0000     |                     |
| RESOLVED         | 212139 | .0033              | 623.7693  | 340.2445  |                     |
| UNRESOLVED       | 763542 | .0033              | 2519.6886 | 923.2019  |                     |
| TOTAL            |        |                    |           | 1263.4464 |                     |

SAMPLE: 61  
 INTERNAL STANDARDS  
 ANDROSTANE (μL): 500.0  
 O-TERPHYNEL (μL): 0.0  
 DRY WEIGHT EXTRACTED (G): 20.36  
 SAMPLE SIZE INJECTED (μL): 0.5

DATE ANALYZED: 10/20/82  
 SAMPLE VOLUME (ML): 1.5

| COMPOUND         | AREA   | RESPONSE<br>FACTOR | NG        | μG/G     | RATIOS              |
|------------------|--------|--------------------|-----------|----------|---------------------|
| NAPHTHALENE      | 0      | .0122              | .0000     | .0000    | RESOL/UNRESOL .2238 |
| PHENANTHRENE     | 20049  | .0112              | 224.5488  | 33.0868  |                     |
| DIBENZOTHIOPHENE | 10463  | .0112              | 117.1856  | 17.2670  | RECOVERY %          |
| PYRENE           | 4547   | .0136              | 61.8392   | 9.1119   | ANDROSTANE 43.6014  |
| O-TERPHYNEL      | 0      | .0033              | .0000     | .0000    | O-TERPHYNEL .0000   |
| ANDROSTANE       | 24223  | .0030              | 72.6690   | 10.7076  |                     |
| RESOLVED         | 211470 | .0033              | 582.1563  | 145.2451 |                     |
| UNRESOLVED       | 944920 | .0033              | 3118.2360 | 458.4650 |                     |
| TOTAL            |        |                    |           | 604.7101 |                     |

SAMPLE: 62  
 INTERNAL STANDARDS  
 ANDROSTANE ( $\mu\text{L}$ ): 0.0  
 O-TERPHYNEL ( $\mu\text{L}$ ): 0.0  
 DRY WEIGHT EXTRACTED (G): 29.48  
 SAMPLE SIZE INJECTED ( $\mu\text{L}$ ): 1.9

DATE ANALYZED: 10/21/82  
 SAMPLE VOLUME (ML): 5.0

| COMPOUND         | AREA   | RESPONSE<br>FACTOR | NG        | $\mu\text{G/G}$ | RATIOS              |
|------------------|--------|--------------------|-----------|-----------------|---------------------|
| NAPHTHALENE      | 0      | .0122              | .0000     | .0000           | RESOL/UNRESOL .4724 |
| PHENANTHRENE     | 406    | .0112              | 4.5472    | .4059           |                     |
| DIBENZOTHIOPHENE | 3794   | .0112              | 42.4928   | 3.7932          | RECOVERY %          |
| PYRENE           | 17061  | .0136              | 232.0296  | 20.7125         | ANDROSTANE .0000    |
| O-TERPHYNEL      | 0      | .0033              | .0000     | .0000           | O-TERPHYNEL .0000   |
| ANDROSTANE       | 13252  | .0030              | .0000     | 3.5489          |                     |
| RESOLVED         | 147420 | .0033              | 416.3247  | 62.0755         |                     |
| UNRESOLVED       | 312048 | .0033              | 1029.7584 | 91.9230         |                     |
| TOTAL            |        |                    |           | 153.9985        |                     |

SAMPLE: 63  
 INTERNAL STANDARDS  
 ANDROSTANE ( $\mu\text{L}$ ): 0.0  
 O-TERPHYNEL ( $\mu\text{L}$ ): 0.0  
 DRY WEIGHT EXTRACTED (G): 28.21  
 SAMPLE SIZE INJECTED ( $\mu\text{L}$ ): 1.9

DATE ANALYZED: 10/28/82  
 SAMPLE VOLUME (ML): 1.0

| COMPOUND         | AREA   | RESPONSE<br>FACTOR | NG        | $\mu\text{G/G}$ | RATIOS              |
|------------------|--------|--------------------|-----------|-----------------|---------------------|
| NAPHTHALENE      | 0      | .0122              | .0000     | .0000           | RESOL/UNRESOL .4492 |
| PHENANTHRENE     | ? 23   | .0112              | 10.3376   | .1929           |                     |
| DIBENZOTHIOPHENE | 127    | .0112              | 1.4224    | .0265           | RECOVERY %          |
| PYRENE           | ? 236  | .0136              | 125.6096  | 2.3435          | ANDROSTANE .0000    |
| O-TERPHYNEL      | 0      | .0033              | .0000     | .0000           | O-TERPHYNEL .0000   |
| ANDROSTANE       | 0      | .0030              | .0000     | .0000           |                     |
| RESOLVED         | 287371 | .0033              | 914.3805  | 19.6226         |                     |
| UNRESOLVED       | 639698 | .0033              | 2111.0034 | 39.3851         |                     |
| TOTAL            |        |                    |           | 59.0077         |                     |

SAMPLE: 64  
 INTERNAL STANDARDS  
 ANDROSTANE ( $\mu\text{L}$ ): 0.0  
 O-TERPHYNEL ( $\mu\text{L}$ ): 0.0  
 DRY WEIGHT EXTRACTED (G): 30.34  
 SAMPLE SIZE INJECTED ( $\mu\text{L}$ ): 1.9

DATE ANALYZED: 10/26/82  
 SAMPLE VOLUME (ML): 1.0

| COMPOUND         | AREA  | RESPONSE<br>FACTOR | NG       | $\mu\text{G/G}$ | RATIOS              |
|------------------|-------|--------------------|----------|-----------------|---------------------|
| NAPHTHALENE      | 0     | .0122              | .0000    | .0000           | RESOL/UNRESOL .0000 |
| PHENANTHRENE     | 589   | .0112              | 6.5968   | .1144           |                     |
| DIBENZOTHIOPHENE | 0     | .0112              | .0000    | .0000           | RECOVERY %          |
| PYRENE           | 5326  | .0136              | 72.4336  | 1.2565          | ANDROSTANE .0000    |
| O-TERPHYNEL      | 0     | .0033              | .0000    | .0000           | O-TERPHYNEL .0000   |
| ANDROSTANE       | 0     | .0030              | .0000    | .0000           |                     |
| RESOLVED         | 42074 | .0033              | 119.3247 | 3.4409          |                     |
| UNRESOLVED       | 0     | .0033              | .0000    | .0000           |                     |
| TOTAL            |       |                    |          | 3.4409          |                     |

SAMPLE: 65  
 INTERNAL STANDARDS  
 ANDROSTANE ( $\mu\text{L}$ ): 0.0  
 O-TERPHYNEL ( $\mu\text{L}$ ): 0.0  
 DRY WEIGHT EXTRACTED (G): 31.13  
 SAMPLE SIZE INJECTED ( $\mu\text{L}$ ): 1.9

DATE ANALYZED: 11/09/82  
 SAMPLE VOLUME (ML): 5.0

| COMPOUND         | AREA | RESPONSE<br>FACTOR | NG     | $\mu\text{G/G}$ | RATIOS              |
|------------------|------|--------------------|--------|-----------------|---------------------|
| NAPHTHALENE      | 0    | .0122              | .0000  | .0000           | RESOL/UNRESOL .0000 |
| PHENANTHRENE     | 0    | .0112              | .0000  | .0000           |                     |
| DIBENZOTHIOPHENE | 0    | .0112              | .0000  | .0000           | RECOVERY %          |
| PYRENE           | 0    | .0136              | .0000  | .0000           | ANDROSTANE .0000    |
| O-TERPHYNEL      | 0    | .0033              | .0000  | .0000           | O-TERPHYNEL .0000   |
| ANDROSTANE       | 0    | .0030              | .0000  | .0000           |                     |
| RESOLVED         | 1362 | .0033              | 4.4946 | .3800           |                     |
| UNRESOLVED       | 0    | .0033              | .0000  | .0000           |                     |
| TOTAL            |      |                    |        | .3800           |                     |

SAMPLE: 66  
 INTERNAL STANDARDS  
 ANDROSTANE (μL): 0.0  
 O-TERPHYNEL (μL): 0.0  
 DRY WEIGHT EXTRACTED (G): 15.54  
 SAMPLE SIZE INJECTED (μL): 1.9

DATE ANALYZED: 10/28/82  
 SAMPLE VOLUME (ML): 1.0

| COMPOUND         | AREA   | RESPONSE<br>FACTOR | NG       | μG/G    | RATIOS              |
|------------------|--------|--------------------|----------|---------|---------------------|
| NAPHTHALENE      | 0      | .0122              | .0000    | .0000   | RESOL/UNRESOL .0000 |
| PHENANTHRENE     | 1351   | .0112              | 15.1312  | .5125   |                     |
| DIBENZOTHIOPHENE | 4160   | .0112              | 46.5920  | 1.5780  | RECOVERY %          |
| PYRENE           | 35168  | .0136              | 478.2848 | 16.1988 | ANDROSTANE .0000    |
| O-TERPHYNEL      | 0      | .0033              | .0000    | .0000   | O-TERPHYNEL .0000   |
| ANDROSTANE       | 0      | .0030              | .0000    | .0000   |                     |
| RESOLVED         | 304122 | .0033              | 869.3619 | 47.7332 |                     |
| UNRESOLVED       | 0      | .0033              | .0000    | .0000   |                     |
| TOTAL            |        |                    |          | 47.7332 |                     |

SAMPLE: 67  
 INTERNAL STANDARDS  
 ANDROSTANE (μL): 0.0  
 O-TERPHYNEL (μL): 0.0  
 DRY WEIGHT EXTRACTED (G): 43.19  
 SAMPLE SIZE INJECTED (μL): 1.9

DATE ANALYZED: 10/27/82  
 SAMPLE VOLUME (ML): 2.0

| COMPOUND         | AREA  | RESPONSE<br>FACTOR | NG      | μG/G   | RATIOS              |
|------------------|-------|--------------------|---------|--------|---------------------|
| NAPHTHALENE      | 0     | .0122              | .0000   | .0000  | RESOL/UNRESOL .0000 |
| PHENANTHRENE     | 0     | .0112              | .0000   | .0000  |                     |
| DIBENZOTHIOPHENE | 290   | .0112              | 3.2480  | .0792  | RECOVERY %          |
| PYRENE           | 982   | .0136              | 13.3552 | .3255  | ANDROSTANE .0000    |
| O-TERPHYNEL      | 0     | .0033              | .0000   | .0000  | O-TERPHYNEL .0000   |
| ANDROSTANE       | 0     | .0030              | .0000   | .0000  |                     |
| RESOLVED         | 16175 | .0033              | 49.1799 | 1.6033 |                     |
| UNRESOLVED       | 0     | .0033              | .0000   | .0000  |                     |
| TOTAL            |       |                    |         | 1.6033 |                     |

SAMPLE: 68  
 INTERNAL STANDARDS  
 ANDROSTANE ( $\mu\text{L}$ ): 0.0  
 O-TERPHYNEL ( $\mu\text{L}$ ): 0.0  
 DRY WEIGHT EXTRACTED (G): 11.18  
 SAMPLE SIZE INJECTED ( $\mu\text{L}$ ): 1.9

DATE ANALYZED: 10/21/82  
 SAMPLE VOLUME (ML): 2.0

| COMPOUND         | AREA  | RESPONSE<br>FACTOR | NG      | $\mu\text{G/G}$ | RATIOS              |
|------------------|-------|--------------------|---------|-----------------|---------------------|
| NAPHTHALENE      | 0     | .0122              | .0000   | .0000           | RESOL/UNRESOL .0000 |
| PHENANTHRENE     | 0     | .0112              | .0000   | .0000           |                     |
| DIBENZOTHIOPHENE | 0     | .0112              | .0000   | .0000           | RECOVERY %          |
| PYRENE           | 355   | .0136              | 4.8280  | .4546           | ANDROSTANE .0000    |
| O-TERPHYNEL      | 1667  | .0033              | 5.5011  | .5179           | O-TERPHYNEL .0000   |
| ANDROSTANE       | 0     | .0030              | .0000   | .0000           |                     |
| RESOLVED         | 0     | .0033              | -1.1715 | .3443           |                     |
| UNRESOLVED       | 30180 | .0033              | 99.5940 | 9.3771          |                     |
| TOTAL            |       |                    |         | 9.7214          |                     |

SAMPLE: 69  
 INTERNAL STANDARDS  
 ANDROSTANE ( $\mu\text{L}$ ): 0.0  
 O-TERPHYNEL ( $\mu\text{L}$ ): 0.0  
 DRY WEIGHT EXTRACTED (G): 39.75  
 SAMPLE SIZE INJECTED ( $\mu\text{L}$ ): 1.9

DATE ANALYZED: 10/27/82  
 SAMPLE VOLUME (ML): 3.0

| COMPOUND         | AREA  | RESPONSE<br>FACTOR | NG       | $\mu\text{G/G}$ | RATIOS              |
|------------------|-------|--------------------|----------|-----------------|---------------------|
| NAPHTHALENE      | 0     | .0122              | .0000    | .0000           | RESOL/UNRESOL .0000 |
| PHENANTHRENE     | 691   | .0112              | 7.7392   | .3074           |                     |
| DIBENZOTHIOPHENE | 2123  | .0112              | 23.7776  | .9445           | RECOVERY %          |
| PYRENE           | 12000 | .0136              | 163.2000 | 6.4826          | ANDROSTANE .0000    |
| O-TERPHYNEL      | 0     | .0033              | .0000    | .0000           | O-TERPHYNEL .0000   |
| ANDROSTANE       | 0     | .0030              | .0000    | .0000           |                     |
| RESOLVED         | 93790 | .0033              | 260.6208 | 18.0869         |                     |
| UNRESOLVED       | 0     | .0033              | .0000    | .0000           |                     |
| TOTAL            |       |                    |          | 18.0869         |                     |

SAMPLE: 70  
INTERNAL STANDARDS  
ANDROSTANE (μL): 0.0  
O-TERPHYNEL (μL): 0.0  
DRY WEIGHT EXTRACTED (G): 32.68  
SAMPLE SIZE INJECTED (μL): 1.9

DATE ANALYZED: 11/11/82  
SAMPLE VOLUME (ML): 1.0

| COMPOUND         | AREA  | RESPONSE<br>FACTOR | NG      | μG/G   | RATIOS              |
|------------------|-------|--------------------|---------|--------|---------------------|
| NAPHTHALENE      | 0     | .0122              | .0000   | .0000  | RESOL/UNRESOL .0000 |
| PHENANTHRENE     | 0     | .0112              | .0000   | .0000  |                     |
| DIBENZOTHIOPHENE | 0     | .0112              | .0000   | .0000  | RECOVERY %          |
| PYRENE           | 0     | .0136              | .0000   | .0000  | ANDROSTANE .0000    |
| O-TERPHYNEL      | 0     | .0033              | .0000   | .0000  | O-TERPHYNEL .0000   |
| ANDROSTANE       | 0     | .0030              | .0000   | .0000  |                     |
| RESOLVED         | 24754 | .0033              | 81.6882 | 1.3156 |                     |
| UNRESOLVED       | 0     | .0033              | .0000   | .0000  |                     |
| TOTAL            |       |                    |         | 1.3156 |                     |

SAMPLE: 72  
INTERNAL STANDARDS  
ANDROSTANE (μL): 0.0  
O-TERPHYNEL (μL): 0.0  
DRY WEIGHT EXTRACTED (G): 11.98  
SAMPLE SIZE INJECTED (μL): 1.9

DATE ANALYZED: 11/11/82  
SAMPLE VOLUME (ML): 1.0

| COMPOUND         | AREA   | RESPONSE<br>FACTOR | NG       | μG/G    | RATIOS              |
|------------------|--------|--------------------|----------|---------|---------------------|
| NAPHTHALENE      | 0      | .0122              | .0000    | .0000   | RESOL/UNRESOL .0000 |
| PHENANTHRENE     | 1592   | .0112              | 17.8304  | .7833   |                     |
| DIBENZOTHIOPHENE | 0      | .0112              | .0000    | .0000   | RECOVERY %          |
| PYRENE           | 1059   | .0136              | 14.4024  | .6327   | ANDROSTANE .0000    |
| O-TERPHYNEL      | 0      | .0033              | .0000    | .0000   | O-TERPHYNEL .0000   |
| ANDROSTANE       | 0      | .0030              | .0000    | .0000   |                     |
| RESOLVED         | 142109 | .0033              | 460.2114 | 21.6345 |                     |
| UNRESOLVED       | 0      | .0033              | .0000    | .0000   |                     |
| TOTAL            |        |                    |          | 21.6349 |                     |



SAMPLE: 73  
INTERNAL STANDARDS  
ANDROSTANE (μL): 0.0  
O-TERPHYNEL (μL): 0.0  
DRY WEIGHT EXTRACTED (G): 39.47  
SAMPLE SIZE INJECTED (μL): 1.0

DATE ANALYZED: 11/10/82  
SAMPLE VOLUME (ML): 1.0

| COMPOUND         | AREA  | RESPONSE<br>FACTOR | NG      | μG/G   | RATIOS              |
|------------------|-------|--------------------|---------|--------|---------------------|
| NAPHTHALENE      | 0     | .0122              | .0000   | .0000  | RESOL/UNRESOL .0000 |
| PHENANTHRENE     | 0     | .0112              | .0000   | .0000  |                     |
| DIBENZOTHIOPHENE | 0     | .0112              | .0000   | .0000  | RECOVERY %          |
| PYRENE           | 0     | .0136              | .0000   | .0000  | ANDROSTANE .0000    |
| O-TERPHYNEL      | 0     | .0033              | .0000   | .0000  | O-TERPHYNEL .0000   |
| ANDROSTANE       | 0     | .0030              | .0000   | .0000  |                     |
| RESOLVED         | 24200 | .0033              | 79.8600 | 2.0233 |                     |
| UNRESOLVED       | 0     | .0033              | .0000   | .0000  |                     |
| TOTAL            |       |                    |         | 2.0233 |                     |

SAMPLE: 74  
INTERNAL STANDARDS  
ANDROSTANE (μL): 0.0  
O-TERPHYNEL (μL): 0.0  
DRY WEIGHT EXTRACTED (G): 39.47  
SAMPLE SIZE INJECTED (μL): 1.0

DATE ANALYZED: 11/10/82  
SAMPLE VOLUME (ML): 1.0

| COMPOUND         | AREA  | RESPONSE<br>FACTOR | NG      | μG/G   | RATIOS              |
|------------------|-------|--------------------|---------|--------|---------------------|
| NAPHTHALENE      | 0     | .0122              | .0000   | .0000  | RESOL/UNRESOL .0000 |
| PHENANTHRENE     | 967   | .0112              | 10.8304 | .4134  |                     |
| DIBENZOTHIOPHENE | 0     | .0112              | .0000   | .0000  | RECOVERY %          |
| PYRENE           | 0     | .0136              | .0000   | .0000  | ANDROSTANE .0000    |
| O-TERPHYNEL      | 0     | .0033              | .0000   | .0000  | O-TERPHYNEL .0000   |
| ANDROSTANE       | 0     | .0030              | .0000   | .0000  |                     |
| RESOLVED         | 17300 | .0033              | 53.8989 | 2.4706 |                     |
| UNRESOLVED       | 0     | .0033              | .0000   | .0000  |                     |
| TOTAL            |       |                    |         | 2.4706 |                     |

SAMPLE: 75  
 INTERNAL STANDARDS  
 ANDROSTANE (μL): 0.0  
 O-TERPHYNEL (μL): 0.0  
 DRY WEIGHT EXTRACTED (G): 31.38  
 SAMPLE SIZE INJECTED (μL): 1.9

DATE ANALYZED: 10/29/82  
 SAMPLE VOLUME (ML): 2.0

| COMPOUND         | AREA    | RESPONSE<br>FACTOR | NG        | μG/G     | RATIOS              |
|------------------|---------|--------------------|-----------|----------|---------------------|
| NAPHTHALENE      | 0       | .0122              | .0000     | .0000    | RESOL/UNRESOL .0559 |
| PHENANTHRENE     | 179     | .0112              | 3.1248    | .1048    |                     |
| DIBENZOTHIOPHENE | 310     | .0112              | 3.4720    | .1165    | RECOVERY %          |
| PYRENE           | 6285    | .0136              | 85.4760   | 2.8673   | ANDROSTANE .0000    |
| O-TERPHYNEL      | 0       | .0033              | .0000     | .0000    | O-TERPHYNEL .0000   |
| ANDROSTANE       | 0       | .0030              | .0000     | .0000    |                     |
| RESOLVED         | 57742   | .0033              | 167.8644  | 8.7195   |                     |
| UNRESOLVED       | 1033659 | .0033              | 3411.0747 | 114.4234 |                     |
| TOTAL            |         |                    |           | 123.1429 |                     |

SAMPLE: 76  
 INTERNAL STANDARDS  
 ANDROSTANE (μL): 0.0  
 O-TERPHYNEL (μL): 0.0  
 DRY WEIGHT EXTRACTED (G): 31.38  
 SAMPLE SIZE INJECTED (μL): 1.9

DATE ANALYZED: 10/29/82  
 SAMPLE VOLUME (ML): 2.0

| COMPOUND         | AREA  | RESPONSE<br>FACTOR | NG       | μG/G   | RATIOS              |
|------------------|-------|--------------------|----------|--------|---------------------|
| NAPHTHALENE      | 0     | .0122              | .0000    | .0000  | RESOL/UNRESOL .0000 |
| PHENANTHRENE     | 0     | .0112              | .0000    | .0000  |                     |
| DIBENZOTHIOPHENE | 0     | .0112              | .0000    | .0000  | RECOVERY %          |
| PYRENE           | 0     | .0136              | .0000    | .0000  | ANDROSTANE .0000    |
| O-TERPHYNEL      | 0     | .0033              | .0000    | .0000  | O-TERPHYNEL .0000   |
| ANDROSTANE       | 0     | .0030              | .0000    | .0000  |                     |
| RESOLVED         | 0     | .0033              | .0000    | .0000  |                     |
| UNRESOLVED       | 30440 | .0033              | 100.4520 | 1.3815 |                     |
| TOTAL            |       |                    |          | 1.3815 |                     |

SAMPLE: 77  
INTERNAL STANDARDS  
ANDROSTANE (μL): 0.0  
O-TERPHYNEL (μL): 0.0  
DRY WEIGHT EXTRACTED (G): 23.94  
SAMPLE SIZE INJECTED (μL): 1.9

DATE ANALYZED: 10/20/82  
SAMPLE VOLUME (ML): 1.0

| COMPOUND         | AREA   | RESPONSE<br>FACTOR | NG       | μG/G    | RATIOS              |
|------------------|--------|--------------------|----------|---------|---------------------|
| NAPHTHALENE      | 337    | .0122              | 4.1114   | .0859   | RESOL/UNRESOL .0000 |
| PHENANTHRENE     | 7875   | .0112              | 88.2000  | 1.8428  |                     |
| DIBENZOTHIOPHENE | 772    | .0112              | 8.6464   | .1807   | RECOVERY %          |
| PYRENE           | 37104  | .0136              | 504.6144 | 10.5433 | ANDROSTANE .0000    |
| O-TERPHYNEL      | 0      | .0033              | .0000    | .0000   | O-TERPHYNEL .0000   |
| ANDROSTANE       | 0      | .0030              | .0000    | .0000   |                     |
| RESOLVED         | 275198 | .0033              | 756.0630 | 28.4498 |                     |
| UNRESOLVED       | 0      | .0033              | .0000    | .0000   |                     |
| TOTAL            |        |                    |          | 28.4498 |                     |

SAMPLE: 78  
INTERNAL STANDARDS  
ANDROSTANE (μL): 0.0  
O-TERPHYNEL (μL): 0.0  
DRY WEIGHT EXTRACTED (G): 25.19  
SAMPLE SIZE INJECTED (μL): 1.9

DATE ANALYZED: 10/22/82  
SAMPLE VOLUME (ML): 1.0

| COMPOUND         | AREA   | RESPONSE<br>FACTOR | NG       | μG/G    | RATIOS              |
|------------------|--------|--------------------|----------|---------|---------------------|
| NAPHTHALENE      | 0      | .0122              | .0000    | .0000   | RESOL/UNRESOL .4957 |
| PHENANTHRENE     | 992    | .0112              | 11.1104  | .2443   |                     |
| DIBENZOTHIOPHENE | 163    | .0112              | 1.8256   | .0401   | RECOVERY %          |
| PYRENE           | 3149   | .0136              | 42.8264  | .9415   | ANDROSTANE .0000    |
| O-TERPHYNEL      | 0      | .0033              | .0000    | .0000   | O-TERPHYNEL .0000   |
| ANDROSTANE       | 0      | .0030              | .0000    | .0000   |                     |
| RESOLVED         | 118424 | .0033              | 376.5960 | 9.5053  |                     |
| UNRESOLVED       | 238912 | .0033              | 788.4096 | 17.3330 |                     |
| TOTAL            |        |                    |          | 26.8383 |                     |

SAMPLE: 79  
 INTERNAL STANDARDS  
 ANDROSTANE (μL): 0.0  
 O-TERPHYNEL (μL): 0.0  
 DRY WEIGHT EXTRACTED (G): 25.02  
 SAMPLE SIZE INJECTED (μL): 1.9

DATE ANALYZED: 11/11/82  
 SAMPLE VOLUME (ML): 1.0

| COMPOUND         | AREA    | RESPONSE<br>FACTOR | NG       | μG/G   | RATIOS              |
|------------------|---------|--------------------|----------|--------|---------------------|
| NAPHTHALENE      | 0       | .0122              | .0000    | .0000  | RESOL/UNRESOL .0000 |
| PHENANTHRENE     | 2197    | .0112              | 24.6064  | .5176  |                     |
| DIBENZOTHIOPHENE | 0       | .0112              | .0000    | .0000  | RECOVERY %          |
| PYRENE           | 7026    | .0136              | 95.5536  | 2.0100 | ANDROSTANE .0000    |
| O-TERPHYNEL      | 0       | .0033              | .0000    | .0000  | O-TERPHYNEL .0000   |
| ANDROSTANE       | 0       | .0030              | .0000    | .0000  |                     |
| RESOLVED         | 50790 ? | .0033              | 137.1711 | 5.4132 |                     |
| UNRESOLVED       | 0       | .0033              | .0000    | .0000  |                     |
| TOTAL            |         |                    |          | 5.4132 |                     |

SAMPLE: 80  
 INTERNAL STANDARDS  
 ANDROSTANE (μL): 0.0  
 O-TERPHYNEL (μL): 0.0  
 DRY WEIGHT EXTRACTED (G): 27.50  
 SAMPLE SIZE INJECTED (μL): 1.9

DATE ANALYZED: 11/15/82  
 SAMPLE VOLUME (ML): 1.0

| COMPOUND         | AREA   | RESPONSE<br>FACTOR | NG       | μG/G    | RATIOS              |
|------------------|--------|--------------------|----------|---------|---------------------|
| NAPHTHALENE      | 0      | .0122              | .0000    | .0000   | RESOL/UNRESOL .1290 |
| PHENANTHRENE     | 530    | .0112              | 5.9360   | .1136   |                     |
| DIBENZOTHIOPHENE | 0      | .0112              | .0000    | .0000   | RECOVERY %          |
| PYRENE           | 2525   | .0136              | 34.3400  | .6572   | ANDROSTANE .0000    |
| O-TERPHYNEL      | 0      | .0033              | .0000    | .0000   | O-TERPHYNEL .0000   |
| ANDROSTANE       | 0      | .0030              | .0000    | .0000   |                     |
| RESOLVED         | 29518  | .0033              | 87.3279  | 2.4422  |                     |
| UNRESOLVED       | 228769 | .0033              | 754.9377 | 14.4486 |                     |
| TOTAL            |        |                    |          | 16.8907 |                     |

SAMPLE: 81

DATE ANALYZED: 10/27/82

INTERNAL STANDARDS

SAMPLE VOLUME (ML): 1.0

ANDROSTANE ( $\mu\text{L}$ ): 0.0O-TERPHYNEL ( $\mu\text{L}$ ): 0.0

DRY WEIGHT EXTRACTED (G): 16.41

SAMPLE SIZE INJECTED ( $\mu\text{L}$ ): 1.9

| COMPOUND         | AREA     | RESPONSE<br>FACTOR | NG       | $\mu\text{G/G}$ | RATIOS              |
|------------------|----------|--------------------|----------|-----------------|---------------------|
| NAPHTHALENE      | 0        | .0122              | .0000    | .0000           | RESOL/UNRESOL .0000 |
| PHENANTHRENE     | 416      | .0112              | 4.6592   | .1494           |                     |
| DIBENZOTHIOPHENE | 934      | .0112              | 10.4608  | .3355           | RECOVERY %          |
| PYRENE           | 18817    | .0136              | 355.9112 | 8.2078          | ANDROSTANE .0000    |
| O-TERPHYNEL      | 0        | .0033              | .0000    | .0000           | O-TERPHYNEL .0000   |
| ANDROSTANE       | 0        | .0030              | .0000    | .0000           |                     |
| RESOLVED         | 260090 ? | .0033              | 791.7459 | 34.0863         |                     |
| UNRESOLVED       | 0        | .0033              | .0000    | .0000           |                     |
| TOTAL            |          |                    |          | 34.0863         |                     |

SAMPLE: 82

DATE ANALYZED: 11/01/82

INTERNAL STANDARDS

SAMPLE VOLUME (ML): 1.0

ANDROSTANE ( $\mu\text{L}$ ): 500.0O-TERPHYNEL ( $\mu\text{L}$ ): 0.0

DRY WEIGHT EXTRACTED (G): 19.23

SAMPLE SIZE INJECTED ( $\mu\text{L}$ ): 1.9

| COMPOUND         | AREA   | RESPONSE<br>FACTOR | NG        | $\mu\text{G/G}$ | RATIOS              |
|------------------|--------|--------------------|-----------|-----------------|---------------------|
| NAPHTHALENE      | 839    | .0122              | 10.2358   | .2801           | RESOL/UNRESOL .0000 |
| PHENANTHRENE     | 1700   | .0112              | 19.0400   | .5211           |                     |
| DIBENZOTHIOPHENE | 6700   | .0112              | 75.0400   | 2.0538          | RECOVERY %          |
| PYRENE           | 33566  | .0136              | 456.4976  | 12.4941         | ANDROSTANE .3644    |
| O-TERPHYNEL      | 0      | .0033              | .0000     | .0000           | O-TERPHYNEL .0000   |
| ANDROSTANE       | 1154   | .0030              | 3.4620    | .0948           |                     |
| RESOLVED         | 348908 | .0033              | 1010.1399 | 42.9962         |                     |
| UNRESOLVED       | 0      | .0033              | .0000     | .0000           |                     |
| TOTAL            |        |                    |           | 42.9962         |                     |

SAMPLE: 83  
INTERNAL STANDARDS  
ANDROSTANE (μL): 500.0  
O-TERPHYNEL (μL): 0.0  
DRY WEIGHT EXTRACTED (G): 28.13  
SAMPLE SIZE INJECTED (μL): 1.9

DATE ANALYZED: 11/11/82  
SAMPLE VOLUME (ML): 1.0

| COMPOUND         | AREA  | RESPONSE<br>FACTOR | NG       | μG/G   | RATIOS              |
|------------------|-------|--------------------|----------|--------|---------------------|
| NAPHTHALENE      | 0     | .0122              | .0000    | .0000  | RESOL/UNRESOL .0000 |
| PHENANTHRENE     | 0     | .0112              | .0000    | .0000  |                     |
| DIBENZOTHIOPHENE | 2246  | .0112              | 25.1552  | .4707  | RECOVERY %          |
| PYRENE           | 2976  | .0136              | 40.4736  | .7573  | ANDROSTANE 1.1065   |
| O-TERPHYNEL      | 0     | .0033              | .0000    | .0000  | O-TERPHYNEL .0000   |
| ANDROSTANE       | 3504  | .0030              | 10.5120  | .1967  |                     |
| RESOLVED         | 95204 | .0033              | 296.9406 | 6.7837 |                     |
| UNRESOLVED       | 0     | .0033              | .0000    | .0000  |                     |
| TOTAL            |       |                    |          | 3.7837 |                     |

SAMPLE: 84  
INTERNAL STANDARDS  
ANDROSTANE (μL): 500.0  
O-TERPHYNEL (μL): 0.0  
DRY WEIGHT EXTRACTED (G): 19.91  
SAMPLE SIZE INJECTED (μL): 1.0

DATE ANALYZED: 11/11/82  
SAMPLE VOLUME (ML): 0.5

| COMPOUND         | AREA   | RESPONSE<br>FACTOR | NG       | μG/G    | RATIOS              |
|------------------|--------|--------------------|----------|---------|---------------------|
| NAPHTHALENE      | 0      | .0122              | .0000    | .0000   | RESOL/UNRESOL .0000 |
| PHENANTHRENE     | 723    | .0112              | 8.0976   | .2034   |                     |
| DIBENZOTHIOPHENE | 4462   | .0112              | 49.9744  | 1.2550  | RECOVERY %          |
| PYRENE           | 4996   | .0136              | 67.9456  | 1.7063  | ANDROSTANE .8517    |
| O-TERPHYNEL      | 0      | .0033              | .0000    | .0000   | O-TERPHYNEL .0000   |
| ANDROSTANE       | 2839   | .0030              | 8.5170   | .2139   |                     |
| RESOLVED         | 129053 | .0033              | 392.2776 | 13.0160 |                     |
| UNRESOLVED       | 0      | .0033              | .0000    | .0000   |                     |
| TOTAL            |        |                    |          | 13.0160 |                     |

SAMPLE: 86  
 INTERNAL STANDARDS  
 ANDROSTANE (μL): 0.0  
 O-TERPHYNEL (μL): 0.0  
 DRY WEIGHT EXTRACTED (G): 34.34  
 SAMPLE SIZE INJECTED (μL): 1.9

DATE ANALYZED: 10/31/82  
 SAMPLE VOLUME (ML): 3.5

| COMPOUND         | AREA  | RESPONSE<br>FACTOR | NG      | μG/G   | RATIOS              |
|------------------|-------|--------------------|---------|--------|---------------------|
| NAPHTHALENE      | 0     | .0122              | .0000   | .0000  | RESOL/UNRESOL .0000 |
| PHENANTHRENE     | 0     | .0112              | .0000   | .0000  |                     |
| DIBENZOTHIOPHENE | 0     | .0112              | .0000   | .0000  | RECOVERY %          |
| PYRENE           | 0     | .0136              | .0000   | .0000  | ANDROSTANE .0000    |
| O-TERPHYNEL      | 0     | .0033              | .0000   | .0000  | O-TERPHYNEL .0000   |
| ANDROSTANE       | 0     | .0030              | .0000   | .0000  |                     |
| RESOLVED         | 18600 | .0033              | 81.3800 | 3.2928 |                     |
| UNRESOLVED       | 0     | .0033              | .0000   | .0000  |                     |
| TOTAL            |       |                    |         | 3.2928 |                     |

SAMPLE: 87  
 INTERNAL STANDARDS  
 ANDROSTANE (μL): 0.0  
 O-TERPHYNEL (μL): 0.0  
 DRY WEIGHT EXTRACTED (G): 34.22  
 SAMPLE SIZE INJECTED (μL): 1.9

DATE ANALYZED: 10/26/82  
 SAMPLE VOLUME (ML): 3.5

| COMPOUND         | AREA  | RESPONSE<br>FACTOR | NG       | μG/G   | RATIOS              |
|------------------|-------|--------------------|----------|--------|---------------------|
| NAPHTHALENE      | 0     | .0122              | .0000    | .0000  | RESOL/UNRESOL .0000 |
| PHENANTHRENE     | 936   | .0112              | 10.4832  | .1612  |                     |
| DIBENZOTHIOPHENE | 0     | .0112              | .0000    | .0000  | RECOVERY %          |
| PYRENE           | 2527  | .0136              | 34.3672  | .5286  | ANDROSTANE .0000    |
| O-TERPHYNEL      | 0     | .0033              | .0000    | .0000  | O-TERPHYNEL .0000   |
| ANDROSTANE       | 0     | .0030              | .0000    | .0000  |                     |
| RESOLVED         | 50119 | .0033              | 153.9648 | 3.0578 |                     |
| UNRESOLVED       | 0     | .0033              | .0000    | .0000  |                     |
| TOTAL            |       |                    |          | 3.0578 |                     |

SAMPLE: 88  
 INTERNAL STANDARDS  
 ANDROSTANE (μL): 0.0  
 O-TERPHYNEL (μL): 0.0  
 DRY WEIGHT EXTRACTED (G): 34.22  
 SAMPLE SIZE INJECTED (μL): 1.9

DATE ANALYZED: 10/26/82  
 SAMPLE VOLUME (ML): 3.5

| COMPOUND         | AREA   | RESPONSE<br>FACTOR | NG        | μG/G    | RATIOS              |
|------------------|--------|--------------------|-----------|---------|---------------------|
| NAPHTHALENE      | 0      | .0122              | .0000     | .0000   | RESOL/UNRESOL .2463 |
| PHENANTHRENE     | 113    | .0112              | 1.2656    | .0190   |                     |
| DIBENZOTHIOPHENE | 8548   | .0112              | 95.7376   | 1.4397  | RECOVERY %          |
| PYRENE           | 10888  | .0136              | 148.0768  | 2.2267  | ANDROSTANE .0000    |
| O-TERPHYNEL      | 0      | .0033              | .0000     | .0000   | O-TERPHYNEL .0000   |
| ANDROSTANE       | 0      | .0030              | .0000     | .0000   |                     |
| RESOLVED         | 185880 | .0033              | 548.8923  | 11.9394 |                     |
| UNRESOLVED       | 754766 | .0033              | 2490.7278 | 37.4546 |                     |
| TOTAL            |        |                    |           | 49.3940 |                     |

SAMPLE: 89  
 INTERNAL STANDARDS  
 ANDROSTANE (μL): 500.0  
 O-TERPHYNEL (μL): 0.0  
 DRY WEIGHT EXTRACTED (G): 52.02  
 SAMPLE SIZE INJECTED (μL): 1.9

DATE ANALYZED: 11/12/82  
 SAMPLE VOLUME (ML): 5.0

| COMPOUND         | AREA | RESPONSE<br>FACTOR | NG     | μG/G  | RATIOS              |
|------------------|------|--------------------|--------|-------|---------------------|
| NAPHTHALENE      | 0    | .0122              | .0000  | .0000 | RESOL/UNRESOL .0000 |
| PHENANTHRENE     | 0    | .0112              | .0000  | .0000 |                     |
| DIBENZOTHIOPHENE | 0    | .0112              | .0000  | .0000 | RECOVERY %          |
| PYRENE           | 0    | .0136              | .0000  | .0000 | ANDROSTANE .0000    |
| O-TERPHYNEL      | 0    | .0033              | .0000  | .0000 | O-TERPHYNEL .0000   |
| ANDROSTANE       | 0    | .0030              | .0000  | .0000 |                     |
| RESOLVED         | 2270 | .0033              | 7.4918 | .3790 |                     |
| UNRESOLVED       | 0    | .0033              | .0000  | .0000 |                     |
| TOTAL            |      |                    |        | .3790 |                     |



SAMPLE: 90  
 INTERNAL STANDARDS  
 ANDROSTANE ( $\mu\text{L}$ ): 500.0  
 O-TERPHYNEL ( $\mu\text{L}$ ): 0.0  
 DRY WEIGHT EXTRACTED (G): 30.59  
 SAMPLE SIZE INJECTED ( $\mu\text{L}$ ): 1.0

DATE ANALYZED: 11/10/82  
 SAMPLE VOLUME (ML): 1.0

| COMPOUND         | AREA  | RESPONSE<br>FACTOR | NG       | $\mu\text{G/G}$ | RATIOS              |
|------------------|-------|--------------------|----------|-----------------|---------------------|
| NAPHTHALENE      | 0     | .0122              | .0000    | .0000           | RESOL/UNRESOL .0000 |
| PHENANTHRENE     | 784   | .0112              | 8.7808   | .2870           |                     |
| DIBENZOTHIOPHENE | 0     | .0112              | .0000    | .0000           | RECOVERY %          |
| PYRENE           | 2095  | .0136              | 28.4920  | .9314           | ANDROSTANE 4.3800   |
| O-TERPHYNEL      | 0     | .0033              | .0000    | .0000           | O-TERPHYNEL .0000   |
| ANDROSTANE       | 7300  | .0030              | 21.9000  | .7159           |                     |
| RESOLVED         | 66272 | .0033              | 209.1969 | 8.0572          |                     |
| UNRESOLVED       | 0     | .0033              | .0000    | .0000           |                     |
| TOTAL            |       |                    |          | 8.0572          |                     |

SAMPLE: 91  
 INTERNAL STANDARDS  
 ANDROSTANE ( $\mu\text{L}$ ): 500.0  
 O-TERPHYNEL ( $\mu\text{L}$ ): 0.0  
 DRY WEIGHT EXTRACTED (G): 35.12  
 SAMPLE SIZE INJECTED ( $\mu\text{L}$ ): 1.9

DATE ANALYZED: 11/12/82  
 SAMPLE VOLUME (ML): 0.5

| COMPOUND         | AREA  | RESPONSE<br>FACTOR | NG      | $\mu\text{G/G}$ | RATIOS              |
|------------------|-------|--------------------|---------|-----------------|---------------------|
| NAPHTHALENE      | 0     | .0122              | .0000   | .0000           | RESOL/UNRESOL .0000 |
| PHENANTHRENE     | 0     | .0112              | .0000   | .0000           |                     |
| DIBENZOTHIOPHENE | 0     | .0112              | .0000   | .0000           | RECOVERY %          |
| PYRENE           | 0     | .0136              | .0000   | .0000           | ANDROSTANE .0000    |
| O-TERPHYNEL      | 0     | .0033              | .0000   | .0000           | O-TERPHYNEL .0000   |
| ANDROSTANE       | 0     | .0030              | .0000   | .0000           |                     |
| RESOLVED         | 17421 | .0033              | 57.4893 | .4308           |                     |
| UNRESOLVED       | 0     | .0033              | .0000   | .0000           |                     |
| TOTAL            |       |                    |         | .4308           |                     |

SAMPLE: 92  
 INTERNAL STANDARDS  
 ANDROSTANE ( $\mu\text{L}$ ): 0.0  
 O-TERPHYNEL ( $\mu\text{L}$ ): 0.0  
 DRY WEIGHT EXTRACTED (G): 27.58  
 SAMPLE SIZE INJECTED ( $\mu\text{L}$ ): 1.9

DATE ANALYZED: 11/15/82  
 SAMPLE VOLUME (ML): 1.0

| COMPOUND         | AREA | RESPONSE<br>FACTOR | NG      | $\mu\text{G/G}$ | RATIOS              |
|------------------|------|--------------------|---------|-----------------|---------------------|
| NAPHTHALENE      | 0    | .0122              | .0000   | .0000           | RESOL/UNRESOL .0000 |
| PHENANTHRENE     | 0    | .0112              | .0000   | .0000           |                     |
| DIBENZOTHIOPHENE | 0    | .0112              | .0000   | .0000           | RECOVERY %          |
| PYRENE           | 0    | .0136              | .0000   | .0000           | ANDROSTANE .0000    |
| O-TERPHYNEL      | 0    | .0033              | .0000   | .0000           | O-TERPHYNEL .0000   |
| ANDROSTANE       | 0    | .0030              | .0000   | .0000           |                     |
| RESOLVED         | 7212 | .0033              | 23.7996 | .4542           |                     |
| UNRESOLVED       | 0    | .0033              | .0000   | .0000           |                     |
| TOTAL            |      |                    |         | .4542           |                     |

SAMPLE: 93  
 INTERNAL STANDARDS  
 ANDROSTANE ( $\mu\text{L}$ ): 500.0  
 O-TERPHYNEL ( $\mu\text{L}$ ): 0.0  
 DRY WEIGHT EXTRACTED (G): 30.64  
 SAMPLE SIZE INJECTED ( $\mu\text{L}$ ): 1.9

DATE ANALYZED: 10/22/82  
 SAMPLE VOLUME (ML): 1.0

| COMPOUND         | AREA   | RESPONSE<br>FACTOR | NG       | $\mu\text{G/G}$ | RATIOS              |
|------------------|--------|--------------------|----------|-----------------|---------------------|
| NAPHTHALENE      | 0      | .0122              | .0000    | .0000           | RESOL/UNRESOL .0000 |
| PHENANTHRENE     | 400    | .0112              | 4.4800   | .0770           |                     |
| DIBENZOTHIOPHENE | 2566   | .0112              | 28.7392  | .4937           | RECOVERY %          |
| PYRENE           | 5580   | .0136              | 75.8800  | 1.3036          | ANDROSTANE 1.0519   |
| O-TERPHYNEL      | 0      | .0033              | .0000    | .0000           | O-TERPHYNEL .0000   |
| ANDROSTANE       | 3331   | .0030              | 9.9930   | .1717           |                     |
| RESOLVED         | 206400 | .0033              | 652.9182 | 13.0896         |                     |
| UNRESOLVED       | 0      | .0033              | .0000    | .0000           |                     |
| TOTAL            |        |                    |          | 13.0896         |                     |

SAMPLE: 94  
INTERNAL STANDARDS  
ANDROSTANE (μL): 500.0  
O-TERPHYNEL (μL): 0.0  
DRY WEIGHT EXTRACTED (G): 21.16  
SAMPLE SIZE INJECTED (μL): 1.9

DATE ANALYZED: 11/02/82  
SAMPLE VOLUME (ML): 1.0

| COMPOUND         | AREA  | RESPONSE<br>FACTOR | NG      | μG/G   | RATIOS              |
|------------------|-------|--------------------|---------|--------|---------------------|
| NAPHTHALENE      | 0     | .0122              | .0000   | .0000  | RESOL/UNRESOL .0000 |
| PHENANTHRENE     | 0     | .0112              | .0000   | .0000  |                     |
| DIBENZOTHIOPHENE | 226   | .0112              | 2.5312  | .0630  | RECOVERY %          |
| PYRENE           | 1746  | .0136              | 23.7456 | .5906  | ANDROSTANE .3635    |
| O-TERPHYNEL      | 0     | .0033              | .0000   | .0000  | O-TERPHYNEL .0000   |
| ANDROSTANE       | 1151  | .0030              | 3.4530  | .0859  |                     |
| RESOLVED         | 57648 | .0033              | 18.7308 | 5.2235 |                     |
| UNRESOLVED       | 0     | .0033              | .0000   | .0000  |                     |
| TOTAL            |       |                    |         | 5.2235 |                     |

SAMPLE: 95  
INTERNAL STANDARDS  
ANDROSTANE (μL): 500.0  
O-TERPHYNEL (μL): 0.0  
DRY WEIGHT EXTRACTED (G): 10.86  
SAMPLE SIZE INJECTED (μL): 1.9

DATE ANALYZED: 11/03/82  
SAMPLE VOLUME (ML): 1.0

| COMPOUND         | AREA   | RESPONSE<br>FACTOR | NG       | μG/G    | RATIOS              |
|------------------|--------|--------------------|----------|---------|---------------------|
| NAPHTHALENE      | 0      | .0122              | .0000    | .0000   | RESOL/UNRESOL .0000 |
| PHENANTHRENE     | 20523  | .0112              | 229.8576 | 11.1397 |                     |
| DIBENZOTHIOPHENE | 5362   | .0112              | 60.0544  | 2.9105  | RECOVERY %          |
| PYRENE           | 6577   | .0136              | 89.4472  | 4.3349  | ANDROSTANE 2.4278   |
| O-TERPHYNEL      | 0      | .0033              | .0000    | .0000   | O-TERPHYNEL .0000   |
| ANDROSTANE       | 7688   | .0030              | 23.0640  | 1.1178  |                     |
| RESOLVED         | 149900 | .0033              | 387.5454 | 37.1670 |                     |
| UNRESOLVED       | 0      | .0033              | .0000    | .0000   |                     |
| TOTAL            |        |                    |          | 37.1670 |                     |

SAMPLE: 96  
INTERNAL STANDARDS  
ANDROSTANE ( $\mu\text{L}$ ): 500.0  
O-TERPHYNEL ( $\mu\text{L}$ ): 0.0  
DRY WEIGHT EXTRACTED (G): 22.71  
SAMPLE SIZE INJECTED ( $\mu\text{L}$ ): 1.9

DATE ANALYZED: 10/25/82  
SAMPLE VOLUME (ML): 1.0

| COMPOUND         | AREA   | RESPONSE<br>FACTOR | NG        | $\mu\text{G/G}$ | RATIOS              |
|------------------|--------|--------------------|-----------|-----------------|---------------------|
| NAPHTHALENE      | 1523   | .0122              | 18.5806   | .4306           | RESOL/UNRESOL .2366 |
| PHENANTHRENE     | 1244   | .0112              | 13.9328   | .3229           |                     |
| DIBENZOTHIOPHENE | 7245   | .0112              | 81.1440   | 1.8806          | RECOVERY %          |
| PYRENE           | 16646  | .0136              | 226.3856  | 5.2466          | ANDROSTANE .2387    |
| O-TERPHYNEL      | 0      | .0033              | .0000     | .0000           | O-TERPHYNEL .0000   |
| ANDROSTANE       | 756    | .0030              | 2.2680    | .0526           |                     |
| RESOLVED         | 189848 | .0033              | 538.5270  | 20.3613         |                     |
| UNRESOLVED       | 802548 | .0033              | 2648.4084 | 61.3782         |                     |
| TOTAL            |        |                    |           | 81.7395         |                     |

SAMPLE: 97  
INTERNAL STANDARDS  
ANDROSTANE ( $\mu\text{L}$ ): 0.0  
O-TERPHYNEL ( $\mu\text{L}$ ): 0.0  
DRY WEIGHT EXTRACTED (G): 27.65  
SAMPLE SIZE INJECTED ( $\mu\text{L}$ ): 1.9

DATE ANALYZED: 10/23/82  
SAMPLE VOLUME (ML): 1.0

| COMPOUND         | AREA   | RESPONSE<br>FACTOR | NG        | $\mu\text{G/G}$ | RATIOS              |
|------------------|--------|--------------------|-----------|-----------------|---------------------|
| NAPHTHALENE      | 0      | .0122              | .0000     | .0000           | RESOL/UNRESOL .0000 |
| PHENANTHRENE     | 1266   | .0112              | 14.1792   | .2699           |                     |
| DIBENZOTHIOPHENE | 290    | .0112              | 3.2480    | .0618           | RECOVERY %          |
| PYRENE           | 2979   | .0136              | 40.5144   | .7712           | ANDROSTANE .0000    |
| O-TERPHYNEL      | 0      | .0033              | .0000     | .0000           | O-TERPHYNEL .0000   |
| ANDROSTANE       | 0      | .0030              | .0000     | .0000           |                     |
| RESOLVED         | 380880 | .0033              | 1241.9385 | 24.7431         |                     |
| UNRESOLVED       | 0      | .0033              | .0000     | .0000           |                     |
| TOTAL            |        |                    |           | 24.7431         |                     |

SAMPLE: 99  
INTERNAL STANDARDS  
ANDROSTANE (μL): 500.0  
O-TERPHYNEL (μL): 0.0  
DRY WEIGHT EXTRACTED (G): 28.99  
SAMPLE SIZE INJECTED (μL): 1.9

DATE ANALYZED: 11/11/82  
SAMPLE VOLUME (ML): 1.0

| COMPOUND         | AREA | RESPONSE<br>FACTOR | NG     | μG/G  | RATIOS              |
|------------------|------|--------------------|--------|-------|---------------------|
| NAPHTHALENE      | 0    | .0122              | .0000  | .0000 | RESOL/UNRESOL .0000 |
| PHENANTHRENE     | 0    | .0112              | .0000  | .0000 |                     |
| DIBENZOTHIOPHENE | 0    | .0112              | .0000  | .0000 | RECOVERY %          |
| PYRENE           | 0    | .0136              | .0000  | .0000 | ANDROSTANE .2861    |
| O-TERPHYNEL      | 0    | .0033              | .0000  | .0000 | O-TERPHYNEL .0000   |
| ANDROSTANE       | 906  | .0030              | 2.7180 | .0493 |                     |
| RESOLVED         | 1120 | .0033              | 3.6960 | .0671 |                     |
| UNRESOLVED       | 0    | .0033              | .0000  | .0000 |                     |
| TOTAL            |      |                    |        | .0671 |                     |

SAMPLE: 100  
INTERNAL STANDARDS  
ANDROSTANE (μL): 500.0  
O-TERPHYNEL (μL): 0.0  
DRY WEIGHT EXTRACTED (G): 13.18  
SAMPLE SIZE INJECTED (μL): 1.0

DATE ANALYZED: 11/10/82  
SAMPLE VOLUME (ML): 1.0

| COMPOUND         | AREA   | RESPONSE<br>FACTOR | NG       | μG/G    | RATIOS              |
|------------------|--------|--------------------|----------|---------|---------------------|
| NAPHTHALENE      | 0      | .0122              | .0000    | .0000   | RESOL/UNRESOL .0000 |
| PHENANTHRENE     | 1011   | .0112              | 11.3232  | .8591   |                     |
| DIBENZOTHIOPHENE | 9089   | .0112              | 101.7968 | 7.7236  | RECOVERY %          |
| PYRENE           | 4207   | .0136              | 57.2152  | 4.3411  | ANDROSTANE 13.2120  |
| O-TERPHYNEL      | 0      | .0033              | .0000    | .0000   | O-TERPHYNEL .0000   |
| ANDROSTANE       | 22020  | .0030              | 66.0600  | 5.0121  |                     |
| RESOLVED         | 237072 | .0033              | 735.1245 | 68.6995 |                     |
| UNRESOLVED       | 0      | .0033              | .0000    | .0000   |                     |
| TOTAL            |        |                    |          | 68.6995 |                     |

SAMPLE: 101  
INTERNAL STANDARDS  
ANDROSTANE (μL): 500.0  
O-TERPHYNEL (μL): 0.0  
DRY WEIGHT EXTRACTED (G): 14.89  
SAMPLE SIZE INJECTED (μL): 1.9

DATE ANALYZED: 10/31/82  
SAMPLE VOLUME (ML): 0.5

| COMPOUND         | AREA   | RESPONSE<br>FACTOR | NG       | μG/G    | RATIOS              |
|------------------|--------|--------------------|----------|---------|---------------------|
| NAPHTHALENE      | 565    | .0122              | 6.8930   | .1218   | RESOL/UNRESOL .7255 |
| PHENANTHRENE     | 712    | .0112              | 7.9744   | .1409   |                     |
| DIBENZOTHIOPHENE | 1376   | .0112              | 15.4112  | .2724   | RECOVERY %          |
| PYRENE           | 4800   | .0136              | 65.2800  | 1.1537  | ANDROSTANE 4.2272   |
| O-TERPHYNEL      | 0      | .0033              | .0000    | .0000   | O-TERPHYNEL .0000   |
| ANDROSTANE       | 26772  | .0030              | 80.3160  | 1.4195  |                     |
| RESOLVED         | 210821 | .0033              | 671.1144 | 13.5498 |                     |
| UNRESOLVED       | 290595 | .0033              | 958.9635 | 16.9482 |                     |
| TOTAL            |        |                    |          | 30.4980 |                     |

SAMPLE: 102  
INTERNAL STANDARDS  
ANDROSTANE (μL): 500.0  
O-TERPHYNEL (μL): 0.0  
DRY WEIGHT EXTRACTED (G): 10.21  
SAMPLE SIZE INJECTED (μL): 1.9

DATE ANALYZED: 10/14/82  
SAMPLE VOLUME (ML): 1.0

| COMPOUND         | AREA  | RESPONSE<br>FACTOR | NG       | μG/G    | RATIOS              |
|------------------|-------|--------------------|----------|---------|---------------------|
| NAPHTHALENE      | 0     | .0122              | .0000    | .0000   | RESOL/UNRESOL .0000 |
| PHENANTHRENE     | 389   | .0112              | 4.3568   | .2246   |                     |
| DIBENZOTHIOPHENE | 2603  | .0112              | 29.1536  | 1.5028  | RECOVERY %          |
| PYRENE           | 1152  | .0136              | 15.6672  | .8076   | ANDROSTANE .1367    |
| O-TERPHYNEL      | 0     | .0033              | .0000    | .0000   | O-TERPHYNEL .0000   |
| ANDROSTANE       | 433   | .0030              | 1.2990   | .0670   |                     |
| RESOLVED         | 77447 | .0033              | 241.8999 | 15.0048 |                     |
| UNRESOLVED       | 0     | .0033              | .0000    | .0000   |                     |
| TOTAL            |       |                    |          | 15.0048 |                     |

SAMPLE: 103  
INTERNAL STANDARDS  
ANDROSTANE ( $\mu\text{L}$ ): 500.0  
O-TERPHYNEL ( $\mu\text{L}$ ): 0.0  
DRY WEIGHT EXTRACTED (G): 7.75  
SAMPLE SIZE INJECTED ( $\mu\text{L}$ ): 1.9

DATE ANALYZED: 11/13/82  
SAMPLE VOLUME (ML): 1.0

| COMPOUND         | AREA  | RESPONSE<br>FACTOR | NG       | $\mu\text{G/G}$ | RATIOS              |
|------------------|-------|--------------------|----------|-----------------|---------------------|
| NAPHTHALENE      | 0     | .0122              | .0000    | .0000           | RESOL/UNRESOL .0000 |
| PHENANTHRENE     | 858   | .0112              | 9.6096   | .6526           |                     |
| DIBENZOTHIOPHENE | 369   | .0112              | 4.1328   | .2807           | RECOVERY %          |
| PYRENE           | 511   | .0136              | 6.9496   | .4720           | ANDROSTANE .7437    |
| O-TERPHYNEL      | 0     | .0033              | .0000    | .0000           | O-TERPHYNEL .0000   |
| ANDROSTANE       | 2355  | .0030              | 7.0650   | .4798           |                     |
| RESOLVED         | 75897 | .0033              | 244.7247 | 18.0249         |                     |
| UNRESOLVED       | 0     | .0033              | .0000    | .0000           |                     |
| TOTAL            |       |                    |          | 18.0249         |                     |

SAMPLE: 104  
INTERNAL STANDARDS  
ANDROSTANE ( $\mu\text{L}$ ): 0.0  
O-TERPHYNEL ( $\mu\text{L}$ ): 0.0  
DRY WEIGHT EXTRACTED (G): 24.20  
SAMPLE SIZE INJECTED ( $\mu\text{L}$ ): 1.9

DATE ANALYZED: 10/29/82  
SAMPLE VOLUME (ML): 1.0

| COMPOUND         | AREA   | RESPONSE<br>FACTOR | NG       | $\mu\text{G/G}$ | RATIOS              |
|------------------|--------|--------------------|----------|-----------------|---------------------|
| NAPHTHALENE      | 0      | .0122              | .0000    | .0000           | RESOL/UNRESOL .2417 |
| PHENANTHRENE     | 346    | .0112              | 3.8752   | .0843           |                     |
| DIBENZOTHIOPHENE | 1145   | .0112              | 12.8240  | .2789           | RECOVERY %          |
| PYRENE           | 2713   | .0136              | 36.8968  | .8025           | ANDROSTANE .0000    |
| O-TERPHYNEL      | 0      | .0033              | .0000    | .0000           | O-TERPHYNEL .0000   |
| ANDROSTANE       | 0      | .0030              | .0000    | .0000           |                     |
| RESOLVED         | 72600  | .0033              | 225.7068 | 6.0744          |                     |
| UNRESOLVED       | 300346 | .0033              | 991.1418 | 21.5559         |                     |
| TOTAL            |        |                    |          | 27.6304         |                     |

SAMPLE: 105  
INTERNAL STANDARDS  
ANDROSTANE (μL): 500.0  
O-TERPHYNEL (μL): 0.0  
DRY WEIGHT EXTRACTED (G): 13.57  
SAMPLE SIZE INJECTED (μL): 1.9

DATE ANALYZED: 11/13/82  
SAMPLE VOLUME (ML): 1.0

| COMPOUND         | AREA  | RESPONSE<br>FACTOR | NG       | μG/G   | RATIOS              |
|------------------|-------|--------------------|----------|--------|---------------------|
| NAPHTHALENE      | 0     | .0122              | .0000    | .0000  | RESOL/UNRESOL .0000 |
| PHENANTHRENE     | 0     | .0112              | .0000    | .0000  |                     |
| DIBENZOTHIOPHENE | 12518 | .0112              | 140.2018 | 5.4378 | RECOVERY %          |
| PYRENE           | 0     | .0136              | .0000    | .0000  | ANDROSTANE 2.2399   |
| O-TERPHYNEL      | 0     | .0033              | .0000    | .0000  | O-TERPHYNEL .0000   |
| ANDROSTANE       | 7093  | .0030              | 21.2790  | .8253  |                     |
| RESOLVED         | 30700 | .0033              | 60.0006  | 7.7649 |                     |
| UNRESOLVED       | 0     | .0033              | .0000    | .0000  |                     |
| TOTAL            |       |                    |          | 7.7649 |                     |

SAMPLE: 106  
INTERNAL STANDARDS  
ANDROSTANE (μL): 500.0  
O-TERPHYNEL (μL): 0.0  
DRY WEIGHT EXTRACTED (G): 26.57  
SAMPLE SIZE INJECTED (μL): 1.9

DATE ANALYZED: 10/21/82  
SAMPLE VOLUME (ML): 1.0

| COMPOUND         | AREA   | RESPONSE<br>FACTOR | NG       | μG/G    | RATIOS              |
|------------------|--------|--------------------|----------|---------|---------------------|
| NAPHTHALENE      | 0      | .0122              | .0000    | .0000   | RESOL/UNRESOL .0000 |
| PHENANTHRENE     | 1236   | .0112              | 13.8432  | .2742   |                     |
| DIBENZOTHIOPHENE | 3681   | .0112              | 41.2272  | .8167   | RECOVERY %          |
| PYRENE           | 2720   | .0136              | 36.9920  | .7328   | ANDROSTANE .3798    |
| O-TERPHYNEL      | 0      | .0033              | .0000    | .0000   | O-TERPHYNEL .0000   |
| ANDROSTANE       | 1202   | .0030              | 3.6060   | .0714   |                     |
| RESOLVED         | 155511 | .0033              | 819.9842 | 14.1047 |                     |
| UNRESOLVED       | 0      | .0033              | .0000    | .0000   |                     |
| TOTAL            |        |                    |          | 14.1047 |                     |



SAMPLE: 107  
INTERNAL STANDARDS  
ANDROSTANE (μL): 0.0  
O-TERPHYNEL (μL): 0.0  
DRY WEIGHT EXTRACTED (G): 8.02  
SAMPLE SIZE INJECTED (μL): 1.9

DATE ANALYZED: 11/13/82  
SAMPLE VOLUME (ML): 1.0

| COMPOUND         | AREA  | RESPONSE<br>FACTOR | NG      | μG/G   | RATIOS              |
|------------------|-------|--------------------|---------|--------|---------------------|
| NAPHTHALENE      | 0     | .0122              | .0000   | .0000  | RESOL/UNRESOL .0000 |
| PHENANTHRENE     | 0     | .0112              | .0000   | .0000  |                     |
| DIBENZOTHIOPHENE | 0     | .0112              | .0000   | .0000  | RECOVERY %          |
| PYRENE           | 0     | .0136              | .0000   | .0000  | ANDROSTANE .0000    |
| O-TERPHYNEL      | 0     | .0033              | .0000   | .0000  | O-TERPHYNEL .0000   |
| ANDROSTANE       | 0     | .0030              | .0000   | .0000  |                     |
| RESOLVED         | 13796 | .0033              | 45.5268 | 2.9877 |                     |
| UNRESOLVED       | 0     | .0033              | .0000   | .0000  |                     |
| TOTAL            |       |                    |         | 2.9877 |                     |

SAMPLE: 108  
INTERNAL STANDARDS  
ANDROSTANE (μL): 0.0  
O-TERPHYNEL (μL): 0.0  
DRY WEIGHT EXTRACTED (G): 27.20  
SAMPLE SIZE INJECTED (μL): 1.9

DATE ANALYZED: 10/31/82  
SAMPLE VOLUME (ML): 5.0

| COMPOUND         | AREA    | RESPONSE<br>FACTOR | NG        | μG/G     | RATIOS              |
|------------------|---------|--------------------|-----------|----------|---------------------|
| NAPHTHALENE      | 0       | .0122              | .0000     | .0000    | RESOL/UNRESOL .0128 |
| PHENANTHRENE     | 523     | .0112              | 5.8576    | .5667    |                     |
| DIBENZOTHIOPHENE | 0       | .0112              | .0000     | .0000    | RECOVERY %          |
| PYRENE           | 543     | .0136              | 7.3848    | .7145    | ANDROSTANE .0000    |
| O-TERPHYNEL      | 0       | .0033              | .0000     | .0000    | O-TERPHYNEL .0000   |
| ANDROSTANE       | 0       | .0030              | .0000     | .0000    |                     |
| RESOLVED         | 27519   | .0033              | 87.2949   | 9.7269   |                     |
| UNRESOLVED       | 2142404 | .0033              | 7069.9331 | 684.0106 |                     |
| TOTAL            |         |                    |           | 693.7374 |                     |

SAMPLE: 109  
 INTERNAL STANDARDS  
 ANDROSTANE ( $\mu\text{L}$ ): 0.0  
 O-TERPHYNEL ( $\mu\text{L}$ ): 0.0  
 DRY WEIGHT EXTRACTED (G): 24.33  
 SAMPLE SIZE INJECTED ( $\mu\text{L}$ ): 1.9

DATE ANALYZED: 11/12/82  
 SAMPLE VOLUME (ML): 3.0

| COMPOUND         | AREA  | RESPONSE<br>FACTOR | NG       | $\mu\text{G/G}$ | RATIOS              |
|------------------|-------|--------------------|----------|-----------------|---------------------|
| NAPHTHALENE      | 0     | .0122              | .0000    | .0000           | RESOL/UNRESOL .0000 |
| PHENANTHRENE     | 912   | .0112              | 10.2144  | .6629           |                     |
| DIBENZOTHIOPHENE | 0     | .0112              | .0000    | .0000           | RECOVERY %          |
| PYRENE           | 1984  | .0136              | 26.9824  | 1.7511          | ANDROSTANE .0000    |
| O-TERPHYNEL      | 0     | .0033              | .0000    | .0000           | O-TERPHYNEL .0000   |
| ANDROSTANE       | 0     | .0030              | .0000    | .0000           |                     |
| RESOLVED         | 36660 | .0033              | 111.4212 | 9.6449          |                     |
| UNRESOLVED       | 0     | .0033              | .0000    | .0000           |                     |
| TOTAL            |       |                    |          | 9.6449          |                     |

SAMPLE: 110  
 INTERNAL STANDARDS  
 ANDROSTANE ( $\mu\text{L}$ ): 500.0  
 O-TERPHYNEL ( $\mu\text{L}$ ): 0.0  
 DRY WEIGHT EXTRACTED (G): 11.02  
 SAMPLE SIZE INJECTED ( $\mu\text{L}$ ): 1.9

DATE ANALYZED: 10/31/82  
 SAMPLE VOLUME (ML): 1.0

| COMPOUND         | AREA   | RESPONSE<br>FACTOR | NG       | $\mu\text{G/G}$ | RATIOS              |
|------------------|--------|--------------------|----------|-----------------|---------------------|
| NAPHTHALENE      | 968    | .0122              | 11.8096  | .5640           | RESOL/UNRESOL .0000 |
| PHENANTHRENE     | 239    | .0112              | 2.6768   | .1278           |                     |
| DIBENZOTHIOPHENE | 1143   | .0112              | 12.8016  | .6114           | RECOVERY %          |
| PYRENE           | 3624   | .0136              | 49.2864  | 2.3539          | ANDROSTANE 4.5221   |
| O-TERPHYNEL      | 0      | .0033              | .0000    | .0000           | O-TERPHYNEL .0000   |
| ANDROSTANE       | 14320  | .0030              | 42.9600  | 2.0518          |                     |
| RESOLVED         | 211565 | .0033              | 678.4503 | 36.0600         |                     |
| UNRESOLVED       | 0      | .0033              | .0000    | .0000           |                     |
| TOTAL            |        |                    |          | 36.0600         |                     |

SAMPLE: 111

DATE ANALYZED: 11/13/82

INTERNAL STANDARDS

SAMPLE VOLUME (ML): 1.0

ANDROSTANE ( $\mu\text{L}$ ): 0.0O-TERPHYNEL ( $\mu\text{L}$ ): 0.0

DRY WEIGHT EXTRACTED (G): 27.20

SAMPLE SIZE INJECTED ( $\mu\text{L}$ ): 1.9

| COMPOUND         | AREA | RESPONSE<br>FACTOR | NG      | $\mu\text{G/G}$ | RATIOS              |
|------------------|------|--------------------|---------|-----------------|---------------------|
| NAPHTHALENE      | 0    | .0122              | .0000   | .0000           | RESOL/UNRESOL .0000 |
| PHENANTHRENE     | 0    | .0112              | .0000   | .0000           |                     |
| DIBENZOTHIOPHENE | 0    | .0112              | .0000   | .0000           | RECOVERY %          |
| PYRENE           | 0    | .0136              | .0000   | .0000           | ANDROSTANE .0000    |
| O-TERPHYNEL      | 0    | .0033              | .0000   | .0000           | O-TERPHYNEL .0000   |
| ANDROSTANE       | 0    | .0030              | .0000   | .0000           |                     |
| RESOLVED         | 6800 | .0033              | 22.4400 | .5386           |                     |
| UNRESOLVED       | 0    | .0033              | .0000   | .0000           |                     |
| TOTAL            |      |                    |         | .5386           |                     |

SAMPLE: 112

DATE ANALYZED: 11/12/82

INTERNAL STANDARDS

SAMPLE VOLUME (ML): 1.0

ANDROSTANE ( $\mu\text{L}$ ): 500.0O-TERPHYNEL ( $\mu\text{L}$ ): 0.0

DRY WEIGHT EXTRACTED (G): 17.87

SAMPLE SIZE INJECTED ( $\mu\text{L}$ ): 1.9

| COMPOUND         | AREA  | RESPONSE<br>FACTOR | NG       | $\mu\text{G/G}$ | RATIOS              |
|------------------|-------|--------------------|----------|-----------------|---------------------|
| NAPHTHALENE      | 0     | .0122              | .0000    | .0000           | RESOL/UNRESOL .0000 |
| PHENANTHRENE     | 340   | .0112              | 3.8080   | .1134           |                     |
| DIBENZOTHIOPHENE | 1179  | .0112              | 13.2048  | .3933           | RECOVERY %          |
| PYRENE           | 881   | .0136              | 11.9816  | .3569           | ANDROSTANE .3584    |
| O-TERPHYNEL      | 0     | .0033              | .0000    | .0000           | O-TERPHYNEL .0000   |
| ANDROSTANE       | 1135  | .0030              | 3.4050   | .1014           |                     |
| RESOLVED         | 37500 | .0033              | 115.8300 | 4.3137          |                     |
| UNRESOLVED       | 0     | .0033              | .0000    | .0000           |                     |
| TOTAL            |       |                    |          | 4.3137          |                     |

SAMPLE: 113  
 INTERNAL STANDARDS  
 ANDROSTANE ( $\mu\text{L}$ ): 0.0  
 O-TERPHYNEL ( $\mu\text{L}$ ): 0.0  
 DRY WEIGHT EXTRACTED (G): 20.69  
 SAMPLE SIZE INJECTED ( $\mu\text{L}$ ): 1.9

DATE ANALYZED: 11/13/82  
 SAMPLE VOLUME (ML): 1.0

| COMPOUND         | AREA   | RESPONSE<br>FACTOR | NG       | $\mu\text{G/G}$ | RATIOS              |
|------------------|--------|--------------------|----------|-----------------|---------------------|
| NAPHTHALENE      | 0      | .0122              | .0000    | .0000           | RESOL/UNRESOL .0000 |
| PHENANTHRENE     | 450    | .0112              | 5.0400   | .1282           |                     |
| DIBENZOTHIOPHENE | 0      | .0112              | .0000    | .0000           | RECOVERY %          |
| PYRENE           | 779    | .0136              | 10.5944  | .2695           | ANDROSTANE .0000    |
| O-TERPHYNEL      | 0      | .0033              | .0000    | .0000           | O-TERPHYNEL .0000   |
| ANDROSTANE       | 0      | .0030              | .0000    | .0000           |                     |
| RESOLVED         | 186100 | .0033              | 610.0743 | 15.9169         |                     |
| UNRESOLVED       | 0      | .0033              | .0000    | .0000           |                     |
| TOTAL            |        |                    |          | 15.9169         |                     |

SAMPLE: 114  
 INTERNAL STANDARDS  
 ANDROSTANE ( $\mu\text{L}$ ): 500.0  
 O-TERPHYNEL ( $\mu\text{L}$ ): 0.0  
 DRY WEIGHT EXTRACTED (G): 20.00  
 SAMPLE SIZE INJECTED ( $\mu\text{L}$ ): 1.9

DATE ANALYZED: 11/12/82  
 SAMPLE VOLUME (ML): 1.0

| COMPOUND         | AREA  | RESPONSE<br>FACTOR | NG       | $\mu\text{G/G}$ | RATIOS              |
|------------------|-------|--------------------|----------|-----------------|---------------------|
| NAPHTHALENE      | 0     | .0122              | .0000    | .0000           | RESOL/UNRESOL .0000 |
| PHENANTHRENE     | 324   | .0112              | 3.6288   | .0955           |                     |
| DIBENZOTHIOPHENE | 5008  | .0112              | 56.0896  | 1.4760          | RECOVERY %          |
| PYRENE           | 31285 | .0136              | 425.4760 | 11.1967         | ANDROSTANE 1.5341   |
| O-TERPHYNEL      | 0     | .0033              | .0000    | .0000           | O-TERPHYNEL .0000   |
| ANDROSTANE       | 4858  | .0030              | 14.5740  | .3833           |                     |
| RESOLVED         | 28227 | .0033              | -27.6870 | 12.0397         |                     |
| UNRESOLVED       | 0     | .0033              | .0000    | .0000           |                     |
| TOTAL            |       |                    |          | 12.0397         |                     |

SAMPLE: 115  
 INTERNAL STANDARDS  
 ANDROSTANE (μL): 0.0  
 O-TERPHYNEL (μL): 0.0  
 DRY WEIGHT EXTRACTED (G): 17.03  
 SAMPLE SIZE INJECTED (μL): 1.9

DATE ANALYZED: 11/13/82  
 SAMPLE VOLUME (ML): 1.0

| COMPOUND         | AREA  | RESPONSE<br>FACTOR | NG      | μG/G   | RATIOS              |
|------------------|-------|--------------------|---------|--------|---------------------|
| NAPHTHALENE      | 0     | .0122              | .0000   | .0000  | RESOL/UNRESOL .0000 |
| PHENANTHRENE     | 0     | .0112              | .0000   | .0000  |                     |
| DIBENZOTHIOPHENE | 233   | .0112              | 2.6096  | .0807  | RECOVERY %          |
| PYRENE           | 0     | .0136              | .0000   | .0000  | ANDROSTANE .0000    |
| O-TERPHYNEL      | 0     | .0033              | .0000   | .0000  | O-TERPHYNEL .0000   |
| ANDROSTANE       | 0     | .0030              | .0000   | .0000  |                     |
| RESOLVED         | 25896 | .0033              | 84.6879 | 2.6979 |                     |
| UNRESOLVED       | 0     | .0033              | .0000   | .0000  |                     |
| TOTAL            |       |                    |         | 2.6979 |                     |

SAMPLE: 116  
 INTERNAL STANDARDS  
 ANDROSTANE (μL): 500.0  
 O-TERPHYNEL (μL): 0.0  
 DRY WEIGHT EXTRACTED (G): 23.19  
 SAMPLE SIZE INJECTED (μL): 1.9

DATE ANALYZED: 11/02/82  
 SAMPLE VOLUME (ML): 1.0

| COMPOUND         | AREA   | RESPONSE<br>FACTOR | NG       | μG/G    | RATIOS              |
|------------------|--------|--------------------|----------|---------|---------------------|
| NAPHTHALENE      | 0      | .0122              | .0000    | .0000   | RESOL/UNRESOL .0000 |
| PHENANTHRENE     | 2586   | .0112              | 28.9632  | .6573   |                     |
| DIBENZOTHIOPHENE | 1750   | .0112              | 19.6000  | .4448   | RECOVERY %          |
| PYRENE           | 16556  | .0136              | 225.1616 | 5.1102  | ANDROSTANE .1481    |
| O-TERPHYNEL      | 0      | .0033              | .0000    | .0000   | O-TERPHYNEL .0000   |
| ANDROSTANE       | 469    | .0030              | 1.4070   | .0319   |                     |
| RESOLVED         | 182192 | .0033              | 532.2900 | 18.2932 |                     |
| UNRESOLVED       | 0      | .0033              | .0000    | .0000   |                     |
| TOTAL            |        |                    |          | 18.2932 |                     |

SAMPLE: 117

DATE ANALYZED: 10/26/82

INTERNAL STANDARDS

SAMPLE VOLUME (ML): 4.0

ANDROSTANE ( $\mu$ L): 0.0O-TERPHYNEL ( $\mu$ L): 0.0

DRY WEIGHT EXTRACTED (G): 25.25

SAMPLE SIZE INJECTED ( $\mu$ L): 1.9

| COMPOUND         | AREA  | RESPONSE<br>FACTOR | NG       | $\mu$ G/G | RATIOS              |
|------------------|-------|--------------------|----------|-----------|---------------------|
| NAPHTHALENE      | 0     | .0122              | .0000    | .0000     | RESOL/UNRESOL .0000 |
| PHENANTHRENE     | 395   | .0112              | 4.4240   | .3689     |                     |
| DIBENZOTHIOPHENE | 0     | .0112              | .0000    | .0000     | RECOVERY %          |
| PYRENE           | 4221  | .0136              | 57.4056  | 4.7863    | ANDROSTANE .0000    |
| O-TERPHYNEL      | 0     | .0033              | .0000    | .0000     | O-TERPHYNEL .0000   |
| ANDROSTANE       | 0     | .0030              | .0000    | .0000     |                     |
| RESOLVED         | 61252 | .0033              | 186.8988 | 10.7382   |                     |
| UNRESOLVED       | 0     | .0033              | .0000    | .0000     |                     |
| TOTAL            |       |                    |          | 10.7382   |                     |

SAMPLE: 119

DATE ANALYZED: 11/01/82

INTERNAL STANDARDS

SAMPLE VOLUME (ML): 3.0

ANDROSTANE ( $\mu$ L): 0.0O-TERPHYNEL ( $\mu$ L): 0.0

DRY WEIGHT EXTRACTED (G): 32.14

SAMPLE SIZE INJECTED ( $\mu$ L): 1.9

| COMPOUND         | AREA  | RESPONSE<br>FACTOR | NG      | $\mu$ G/G | RATIOS              |
|------------------|-------|--------------------|---------|-----------|---------------------|
| NAPHTHALENE      | 0     | .0122              | .0000   | .0000     | RESOL/UNRESOL .0000 |
| PHENANTHRENE     | 462   | .0112              | 5.1744  | .2542     |                     |
| DIBENZOTHIOPHENE | 5199  | .0112              | 58.2288 | 2.8606    | RECOVERY %          |
| PYRENE           | 0     | .0136              | .0000   | .0000     | ANDROSTANE .0000    |
| O-TERPHYNEL      | 0     | .0033              | .0000   | .0000     | O-TERPHYNEL .0000   |
| ANDROSTANE       | 0     | .0030              | .0000   | .0000     |                     |
| RESOLVED         | 16352 | .0033              | 35.2803 | 4.8480    |                     |
| UNRESOLVED       | 0     | .0033              | .0000   | .0000     |                     |
| TOTAL            |       |                    |         | 4.8480    |                     |

SAMPLE: 120  
INTERNAL STANDARDS  
ANDROSTANE ( $\mu\text{L}$ ): 0.0  
O-TERPHYNEL ( $\mu\text{L}$ ): 0.0  
DRY WEIGHT EXTRACTED (G): 5.50  
SAMPLE SIZE INJECTED ( $\mu\text{L}$ ): 1.9

DATE ANALYZED: 11/14/82  
SAMPLE VOLUME (ML): 1.0

| COMPOUND         | AREA  | RESPONSE<br>FACTOR | NG       | $\mu\text{G/G}$ | RATIOS              |
|------------------|-------|--------------------|----------|-----------------|---------------------|
| NAPHTHALENE      | 561   | .0122              | 6.8442   | .6549           | RESOL/UNRESOL .0000 |
| PHENANTHRENE     | 727   | .0112              | 8.1424   | .7792           |                     |
| DIBENZOTHIOPHENE | 1608  | .0112              | 18.0096  | 1.7234          | RECOVERY %          |
| PYRENE           | 0     | .0136              | .0000    | .0000           | ANDROSTANE .0000    |
| O-TERPHYNEL      | 0     | .0033              | .0000    | .0000           | O-TERPHYNEL .0000   |
| ANDROSTANE       | 0     | .0030              | .0000    | .0000           |                     |
| RESOLVED         | 84953 | .0033              | 270.8211 | 29.0734         |                     |
| UNRESOLVED       | 0     | .0033              | .0000    | .0000           |                     |
| TOTAL            |       |                    |          | 29.0734         |                     |

SAMPLE: 121  
INTERNAL STANDARDS  
ANDROSTANE ( $\mu\text{L}$ ): 0.0  
O-TERPHYNEL ( $\mu\text{L}$ ): 0.0  
DRY WEIGHT EXTRACTED (G): 10.69  
SAMPLE SIZE INJECTED ( $\mu\text{L}$ ): 1.9

DATE ANALYZED: 10/25/82  
SAMPLE VOLUME (ML): 1.0

| COMPOUND         | AREA  | RESPONSE<br>FACTOR | NG       | $\mu\text{G/G}$ | RATIOS              |
|------------------|-------|--------------------|----------|-----------------|---------------------|
| NAPHTHALENE      | 0     | .0122              | .0000    | .0000           | RESOL/UNRESOL .0000 |
| PHENANTHRENE     | 429   | .0112              | 4.8048   | .2366           |                     |
| DIBENZOTHIOPHENE | 1235  | .0112              | 13.8320  | .6810           | RECOVERY %          |
| PYRENE           | 2417  | .0136              | 35.5912  | 1.7523          | ANDROSTANE .0000    |
| O-TERPHYNEL      | 0     | .0033              | .0000    | .0000           | O-TERPHYNEL .0000   |
| ANDROSTANE       | 0     | .0030              | .0000    | .0000           |                     |
| RESOLVED         | 67025 | .0033              | 207.0552 | 12.8641         |                     |
| UNRESOLVED       | 0     | .0033              | .0000    | .0000           |                     |
| TOTAL            |       |                    |          | 12.8641         |                     |

SAMPLE: 123  
 INTERNAL STANDARDS  
 ANDROSTANE ( $\mu\text{L}$ ): 0.0  
 O-TERPHYNEL ( $\mu\text{L}$ ): 0.0  
 DRY WEIGHT EXTRACTED (G): 21.90  
 SAMPLE SIZE INJECTED ( $\mu\text{L}$ ): 1.9

DATE ANALYZED: 10/26/82  
 SAMPLE VOLUME (ML): 0.5

| COMPOUND         | AREA   | RESPONSE<br>FACTOR | NG        | $\mu\text{G/G}$ | RATIOS              |
|------------------|--------|--------------------|-----------|-----------------|---------------------|
| NAPHTHALENE      | 0      | .0122              | .0000     | .0000           | RESOL/UNRESOL .0000 |
| PHENANTHRENE     | 1411   | .0112              | 15.8032   | .1899           |                     |
| DIBENZOTHIOPHENE | 2835   | .0112              | 31.7520   | .3815           | RECOVERY %          |
| PYRENE           | 10442  | .0136              | 142.0112  | 1.7065          | ANDROSTANE .0000    |
| O-TERPHYNEL      | 0      | .0033              | .0000     | .0000           | O-TERPHYNEL .0000   |
| ANDROSTANE       | 0      | .0030              | .0000     | .0000           |                     |
| RESOLVED         | 410659 | .0033              | 1306.7043 | 17.9797         |                     |
| UNRESOLVED       | 0      | .0033              | .0000     | .0000           |                     |
| TOTAL            |        |                    |           | 17.9797         |                     |

SAMPLE: 124  
 INTERNAL STANDARDS  
 ANDROSTANE ( $\mu\text{L}$ ): 500.0  
 O-TERPHYNEL ( $\mu\text{L}$ ): 0.0  
 DRY WEIGHT EXTRACTED (G): 9.45  
 SAMPLE SIZE INJECTED ( $\mu\text{L}$ ): 1.9

DATE ANALYZED: 11/15/82  
 SAMPLE VOLUME (ML): 1.0

| COMPOUND         | AREA   | RESPONSE<br>FACTOR | NG       | $\mu\text{G/G}$ | RATIOS              |
|------------------|--------|--------------------|----------|-----------------|---------------------|
| NAPHTHALENE      | 0      | .0122              | .0000    | .0000           | RESOL/UNRESOL .0000 |
| PHENANTHRENE     | 587    | .0112              | 6.5744   | .3662           |                     |
| DIBENZOTHIOPHENE | 1604   | .0112              | 17.9648  | 1.0005          | RECOVERY %          |
| PYRENE           | 4432   | .0136              | 60.2752  | 3.3570          | ANDROSTANE 1.4795   |
| O-TERPHYNEL      | 0      | .0033              | .0000    | .0000           | O-TERPHYNEL .0000   |
| ANDROSTANE       | 4685   | .0030              | 14.0550  | .7828           |                     |
| RESOLVED         | 113212 | .0033              | 351.7437 | 24.3140         |                     |
| UNRESOLVED       | 0      | .0033              | .0000    | .0000           |                     |
| TOTAL            |        |                    |          | 24.3140         |                     |



SAMPLE: 125  
 INTERNAL STANDARDS  
 ANDROSTANE ( $\mu\text{L}$ ): 0.0  
 O-TERPHYNEL ( $\mu\text{L}$ ): 0.0  
 DRY WEIGHT EXTRACTED (G): 26.34  
 SAMPLE SIZE INJECTED ( $\mu\text{L}$ ): 1.0

DATE ANALYZED: 11/10/82  
 SAMPLE VOLUME (ML): 1.0

| COMPOUND         | AREA  | RESPONSE<br>FACTOR | NG       | $\mu\text{G/G}$ | RATIOS              |
|------------------|-------|--------------------|----------|-----------------|---------------------|
| NAPHTHALENE      | 0     | .0122              | .0000    | .0000           | RESOL/UNRESOL .0000 |
| PHENANTHRENE     | 1433  | .0112              | 16.0496  | .6093           |                     |
| DIBENZOTHIOPHENE | 0     | .0112              | .0000    | .0000           | RECOVERY %          |
| PYRENE           | 2542  | .0136              | 34.5712  | 1.3125          | ANDROSTANE .0000    |
| O-TERPHYNEL      | 0     | .0033              | .0000    | .0000           | O-TERPHYNEL .0000   |
| ANDROSTANE       | 0     | .0030              | .0000    | .0000           |                     |
| RESOLVED         | 40955 | .0033              | 133.0340 | 6.5549          |                     |
| UNRESOLVED       | 0     | .0033              | .0000    | .0000           |                     |
| TOTAL            |       |                    |          | 6.5549          |                     |

SAMPLE: 126  
 INTERNAL STANDARDS  
 ANDROSTANE ( $\mu\text{L}$ ): 0.0  
 O-TERPHYNEL ( $\mu\text{L}$ ): 0.0  
 DRY WEIGHT EXTRACTED (G): 26.34  
 SAMPLE SIZE INJECTED ( $\mu\text{L}$ ): 1.0

DATE ANALYZED: 11/10/82  
 SAMPLE VOLUME (ML): 1.0

| COMPOUND         | AREA  | RESPONSE<br>FACTOR | NG       | $\mu\text{G/G}$ | RATIOS              |
|------------------|-------|--------------------|----------|-----------------|---------------------|
| NAPHTHALENE      | 0     | .0122              | .0000    | .0000           | RESOL/UNRESOL .0000 |
| PHENANTHRENE     | 0     | .0112              | .0000    | .0000           |                     |
| DIBENZOTHIOPHENE | 0     | .0112              | .0000    | .0000           | RECOVERY %          |
| PYRENE           | 552   | .0136              | 7.5072   | .2356           | ANDROSTANE 9.4674   |
| O-TERPHYNEL      | 0     | .0033              | .0000    | .0000           | O-TERPHYNEL .0000   |
| ANDROSTANE       | 29980 | .0030              | 89.9400  | 2.8227          |                     |
| RESOLVED         | 71300 | .0033              | 233.4684 | 7.5629          |                     |
| UNRESOLVED       | 0     | .0033              | .0000    | .0000           |                     |
| TOTAL            |       |                    |          | 7.5629          |                     |

SAMPLE: 127  
 INTERNAL STANDARDS  
 ANDROSTANE (μL): 500.0  
 O-TERPHYNEL (μL): 0.0  
 DRY WEIGHT EXTRACTED (G): 29.66  
 SAMPLE SIZE INJECTED (μL): 1.9

DATE ANALYZED: 11/01/82  
 SAMPLE VOLUME (ML): 0.5

| COMPOUND         | AREA   | RESPONSE<br>FACTOR | NG        | μG/G    | RATIOS        |       |
|------------------|--------|--------------------|-----------|---------|---------------|-------|
| NAPHTHALENE      | 0      | .0122              | .0000     | .0000   | RESOL/UNRESOL | .0000 |
| PHENANTHRENE     | 827    | .0112              | 9.2624    | .0822   |               |       |
| DIBENZOTHIOPHENE | 11560  | .0112              | 129.4720  | 1.1487  | RECOVERY %    |       |
| PYRENE           | 11144  | .0136              | 151.5584  | 1.3447  | ANDROSTANE    | .0804 |
| O-TERPHYNEL      | 0      | .0033              | .0000     | .0000   | O-TERPHYNEL   | .0000 |
| ANDROSTANE       | 509    | .0030              | 1.5270    | .0135   |               |       |
| RESOLVED         | 429265 | .0033              | 1338.9222 | 14.4552 |               |       |
| UNRESOLVED       | 0      | .0033              | .0000     | .0000   |               |       |
| TOTAL            |        |                    |           | 14.4552 |               |       |

SAMPLE: 128  
 INTERNAL STANDARDS  
 ANDROSTANE (μL): 0.0  
 O-TERPHYNEL (μL): 0.0  
 DRY WEIGHT EXTRACTED (G): 35.75  
 SAMPLE SIZE INJECTED (μL): 1.9

DATE ANALYZED: 11/14/82  
 SAMPLE VOLUME (ML): 0.5

| COMPOUND         | AREA | RESPONSE<br>FACTOR | NG      | μG/G  | RATIOS        |       |
|------------------|------|--------------------|---------|-------|---------------|-------|
| NAPHTHALENE      | 0    | .0122              | .0000   | .0000 | RESOL/UNRESOL | .0000 |
| PHENANTHRENE     | 0    | .0112              | .0000   | .0000 |               |       |
| DIBENZOTHIOPHENE | 0    | .0112              | .0000   | .0000 | RECOVERY %    |       |
| PYRENE           | 0    | .0136              | .0000   | .0000 | ANDROSTANE    | .0000 |
| O-TERPHYNEL      | 0    | .0033              | .0000   | .0000 | O-TERPHYNEL   | .0000 |
| ANDROSTANE       | 0    | .0030              | .0000   | .0000 |               |       |
| RESOLVED         | 7800 | .0033              | 25.7400 | .3789 |               |       |
| UNRESOLVED       | 0    | .0033              | .0000   | .0000 |               |       |
| TOTAL            |      |                    |         | .3789 |               |       |

SAMPLE: 129

DATE ANALYZED: 11/14/82

INTERNAL STANDARDS

SAMPLE VOLUME (ML): 1.0

ANDROSTANE ( $\mu\text{L}$ ): 0.0O-TERPHYNEL ( $\mu\text{L}$ ): 0.0

DRY WEIGHT EXTRACTED (G): 36.65

SAMPLE SIZE INJECTED ( $\mu\text{L}$ ): 1.9

| COMPOUND         | AREA  | RESPONSE<br>FACTOR | NG      | $\mu\text{G/G}$ | RATIOS              |
|------------------|-------|--------------------|---------|-----------------|---------------------|
| NAPHTHALENE      | 0     | .0122              | .0000   | .0000           | RESOL/UNRESOL .0000 |
| PHENANTHRENE     | 0     | .0112              | .0000   | .0000           |                     |
| DIBENZOTHIOPHENE | 0     | .0112              | .0000   | .0000           | RECOVERY %          |
| PYRENE           | 0     | .0136              | .0000   | .0000           | ANDROSTANE .0000    |
| O-TERPHYNEL      | 0     | .0033              | .0000   | .0000           | O-TERPHYNEL .0000   |
| ANDROSTANE       | 0     | .0030              | .0000   | .0000           |                     |
| RESOLVED         | 13851 | .0033              | 45.7083 | .6564           |                     |
| UNRESOLVED       | 0     | .0033              | .0000   | .0000           |                     |
| TOTAL            |       |                    |         | .6564           |                     |

SAMPLE: 130

DATE ANALYZED: 11/14/82

INTERNAL STANDARDS

SAMPLE VOLUME (ML): 1.0

ANDROSTANE ( $\mu\text{L}$ ): 0.0O-TERPHYNEL ( $\mu\text{L}$ ): 0.0

DRY WEIGHT EXTRACTED (G): 35.30

SAMPLE SIZE INJECTED ( $\mu\text{L}$ ): 1.9

| COMPOUND         | AREA  | RESPONSE<br>FACTOR | NG      | $\mu\text{G/G}$ | RATIOS              |
|------------------|-------|--------------------|---------|-----------------|---------------------|
| NAPHTHALENE      | 0     | .0122              | .0000   | .0000           | RESOL/UNRESOL .0000 |
| PHENANTHRENE     | 0     | .0112              | .0000   | .0000           |                     |
| DIBENZOTHIOPHENE | 0     | .0112              | .0000   | .0000           | RECOVERY %          |
| PYRENE           | 0     | .0136              | .0000   | .0000           | ANDROSTANE .0000    |
| O-TERPHYNEL      | 0     | .0033              | .0000   | .0000           | O-TERPHYNEL .0000   |
| ANDROSTANE       | 0     | .0030              | .0000   | .0000           |                     |
| RESOLVED         | 11432 | .0033              | 37.7256 | .5625           |                     |
| UNRESOLVED       | 0     | .0033              | .0000   | .0000           |                     |
| TOTAL            |       |                    |         | .5625           |                     |

SAMPLE: 132  
 INTERNAL STANDARDS  
 ANDROSTANE ( $\mu\text{L}$ ): 500.0  
 O-TERPHYNEL ( $\mu\text{L}$ ): 0.0  
 DRY WEIGHT EXTRACTED (G): 25.54  
 SAMPLE SIZE INJECTED ( $\mu\text{L}$ ): 1.9

DATE ANALYZED: 11/14/82  
 SAMPLE VOLUME (ML): 1.0

| COMPOUND         | AREA   | RESPONSE<br>FACTOR | NG        | $\mu\text{G/G}$ | RATIOS              |
|------------------|--------|--------------------|-----------|-----------------|---------------------|
| NAPHTHALENE      | 0      | .0122              | .0000     | .0000           | RESOL/UNRESOL .0000 |
| PHENANTHRENE     | 2718   | .0112              | 30.4418   | .6806           |                     |
| DIBENZOTHIOPHENE | 9809   | .0112              | 109.8608  | 1.4563          | RECOVERY %          |
| PYRENE           | 11221  | .0136              | 152.6056  | 3.4120          | ANDROSTANE 8.1900   |
| O-TERPHYNEL      | 0      | .0033              | .0000     | .0000           | O-TERPHYNEL .0000   |
| ANDROSTANE       | 25935  | .0030              | 77.8050   | 1.7396          |                     |
| RESOLVED         | 660494 | .0033              | 2101.2618 | 52.5297         |                     |
| UNRESOLVED       | 0      | .0033              | .0000     | .0000           |                     |
| TOTAL            |        |                    |           | 53.5297         |                     |

SAMPLE: 134  
 INTERNAL STANDARDS  
 ANDROSTANE ( $\mu\text{L}$ ): 0.0  
 O-TERPHYNEL ( $\mu\text{L}$ ): 0.0  
 DRY WEIGHT EXTRACTED (G): 22.05  
 SAMPLE SIZE INJECTED ( $\mu\text{L}$ ): 1.9

DATE ANALYZED: 10/22/82  
 SAMPLE VOLUME (ML): 1.0

| COMPOUND         | AREA   | RESPONSE<br>FACTOR | NG        | $\mu\text{G/G}$ | RATIOS              |
|------------------|--------|--------------------|-----------|-----------------|---------------------|
| NAPHTHALENE      | 0      | .0122              | .0000     | .0000           | RESOL/UNRESOL .0000 |
| PHENANTHRENE     | 683    | .0112              | 7.6496    | .1826           |                     |
| DIBENZOTHIOPHENE | 2334   | .0112              | 26.1408   | .6240           | RECOVERY %          |
| PYRENE           | 2288   | .0136              | 31.1168   | .7427           | ANDROSTANE .0000    |
| O-TERPHYNEL      | 0      | .0033              | .0000     | .0000           | O-TERPHYNEL .0000   |
| ANDROSTANE       | 0      | .0030              | .0000     | .0000           |                     |
| RESOLVED         | 601774 | .0033              | 1968.3477 | 48.5322         |                     |
| UNRESOLVED       | 0      | .0033              | .0000     | .0000           |                     |
| TOTAL            |        |                    |           | 48.5322         |                     |

SAMPLE: 135  
 INTERNAL STANDARDS  
 ANDROSTANE ( $\mu\text{L}$ ): 0.0  
 O-TERPHYNEL ( $\mu\text{L}$ ): 0.0  
 DRY WEIGHT EXTRACTED (G): 12.47  
 SAMPLE SIZE INJECTED ( $\mu\text{L}$ ): 1.9

DATE ANALYZED: 11/14/82  
 SAMPLE VOLUME (ML): 1.0

| COMPOUND         | AREA   | RESPONSE<br>FACTOR | NG       | $\mu\text{G/G}$ | RATIOS              |
|------------------|--------|--------------------|----------|-----------------|---------------------|
| NAPHTHALENE      | 453    | .0122              | 5.5266   | .2333           | RESOL/UNRESOL .0000 |
| PHENANTHRENE     | 1021   | .0112              | 11.4352  | .4826           |                     |
| DIBENZOTHIOPHENE | 1089   | .0112              | 12.1968  | .5148           | RECOVERY %          |
| PYRENE           | 5142   | .0136              | 69.9312  | 2.9516          | ANDROSTANE .0000    |
| O-TERPHYNEL      | 0      | .0033              | .0000    | .0000           | O-TERPHYNEL .0000   |
| ANDROSTANE       | 0      | .0030              | .0000    | .0000           |                     |
| RESOLVED         | 113700 | .0033              | 349.7835 | 18.9454         |                     |
| UNRESOLVED       | 0      | .0033              | .0000    | .0000           |                     |
| TOTAL            |        |                    |          | 18.9454         |                     |

SAMPLE: 136  
 INTERNAL STANDARDS  
 ANDROSTANE ( $\mu\text{L}$ ): 0.0  
 O-TERPHYNEL ( $\mu\text{L}$ ): 0.0  
 DRY WEIGHT EXTRACTED (G): 15.62  
 SAMPLE SIZE INJECTED ( $\mu\text{L}$ ): 1.9

DATE ANALYZED: 11/14/82  
 SAMPLE VOLUME (ML): 1.0

| COMPOUND         | AREA   | RESPONSE<br>FACTOR | NG        | $\mu\text{G/G}$ | RATIOS              |
|------------------|--------|--------------------|-----------|-----------------|---------------------|
| NAPHTHALENE      | 2280   | .0122              | 27.8160   | .9373           | RESOL/UNRESOL .0000 |
| PHENANTHRENE     | 1564   | .0112              | 17.5168   | .5902           |                     |
| DIBENZOTHIOPHENE | 1564   | .0112              | 17.5168   | .5902           | RECOVERY %          |
| PYRENE           | 5464   | .0136              | 74.3104   | 2.5039          | ANDROSTANE .0000    |
| O-TERPHYNEL      | 0      | .0033              | .0000     | .0000           | O-TERPHYNEL .0000   |
| ANDROSTANE       | 0      | .0030              | .0000     | .0000           |                     |
| RESOLVED         | 363006 | .0033              | 1182.0423 | 43.7766         |                     |
| UNRESOLVED       | 0      | .0033              | .0000     | .0000           |                     |
| TOTAL            |        |                    |           | 43.7766         |                     |

SAMPLE: 137

DATE ANALYZED: 10/28/82

INTERNAL STANDARDS

SAMPLE VOLUME (ML): 1.0

ANDROSTANE ( $\mu\text{L}$ ): 500.0O-TERPHYNEL ( $\mu\text{L}$ ): 0.0

DRY WEIGHT EXTRACTED (G): 17.23

SAMPLE SIZE INJECTED ( $\mu\text{L}$ ): 1.9

| COMPOUND         | AREA   | RESPONSE<br>FACTOR | NG       | $\mu\text{G/G}$ | RATIOS              |
|------------------|--------|--------------------|----------|-----------------|---------------------|
| NAPHTHALENE      | 0      | .0122              | .0000    | .0000           | RESOL/UNRESOL .0000 |
| PHENANTHRENE     | 911    | .0112              | 10.2032  | .3117           |                     |
| DIBENZOTHIOPHENE | 3789   | .0112              | 42.4368  | 1.2963          | RECOVERY %          |
| PYRENE           | 2383   | .0136              | 32.4088  | .9900           | ANDROSTANE 2.4098   |
| O-TERPHYNEL      | 0      | .0033              | .0000    | .0000           | O-TERPHYNEL .0000   |
| ANDROSTANE       | 7631   | .0030              | 22.8930  | .6993           |                     |
| RESOLVED         | 131273 | .0033              | 409.8270 | 15.1167         |                     |
| UNRESOLVED       | 0      | .0033              | .0000    | .0000           |                     |
| TOTAL            |        |                    |          | 15.1167         |                     |

SAMPLE: 139

DATE ANALYZED: 11/13/82

INTERNAL STANDARDS

SAMPLE VOLUME (ML): 1.0

ANDROSTANE ( $\mu\text{L}$ ): 500.0O-TERPHYNEL ( $\mu\text{L}$ ): 0.0

DRY WEIGHT EXTRACTED (G): 36.81

SAMPLE SIZE INJECTED ( $\mu\text{L}$ ): 1.9

| COMPOUND         | AREA  | RESPONSE<br>FACTOR | NG       | $\mu\text{G/G}$ | RATIOS              |
|------------------|-------|--------------------|----------|-----------------|---------------------|
| NAPHTHALENE      | 709   | .0122              | 8.6498   | .1237           | RESOL/UNRESOL .0000 |
| PHENANTHRENE     | 661   | .0112              | 7.4032   | .1059           |                     |
| DIBENZOTHIOPHENE | 858   | .0112              | 9.6096   | .1374           | RECOVERY %          |
| PYRENE           | 2398  | .0136              | 32.3128  | .4663           | ANDROSTANE .6395    |
| O-TERPHYNEL      | 0     | .0033              | .0000    | .0000           | O-TERPHYNEL .0000   |
| ANDROSTANE       | 2025  | .0030              | 6.0750   | .0869           |                     |
| RESOLVED         | 88769 | .0033              | 277.6719 | 4.8034          |                     |
| UNRESOLVED       | 0     | .0033              | .0000    | .0000           |                     |
| TOTAL            |       |                    |          | 4.8034          |                     |

SAMPLE: 140  
 INTERNAL STANDARDS  
 ANDROSTANE ( $\mu\text{L}$ ): 0.0  
 O-TERPHYNEL ( $\mu\text{L}$ ): 0.0  
 DRY WEIGHT EXTRACTED (G): 26.55  
 SAMPLE SIZE INJECTED ( $\mu\text{L}$ ): 1.9

DATE ANALYZED: 10/21/82  
 SAMPLE VOLUME (ML): 1.0

| COMPOUND         | AREA   | RESPONSE<br>FACTOR | NG        | $\mu\text{G/G}$ | RATIOS              |
|------------------|--------|--------------------|-----------|-----------------|---------------------|
| NAPHTHALENE      | 0      | .0122              | .0000     | .0000           | RESOL/UNRESOL .4953 |
| PHENANTHRENE     | 1232   | .0112              | 13.7984   | .2735           |                     |
| DIBENZOTHIOPHENE | 2785   | .0112              | 31.1920   | .6183           | RECOVERY %          |
| PYRENE           | 20214  | .0136              | 274.9104  | 5.4497          | ANDROSTANE .0000    |
| O-TERPHYNEL      | 0      | .0033              | .0000     | .0000           | O-TERPHYNEL .0000   |
| ANDROSTANE       | 0      | .0030              | .0000     | .0000           |                     |
| RESOLVED         | 262772 | .0033              | 787.1853  | 21.9464         |                     |
| UNRESOLVED       | 530482 | .0033              | 1750.5906 | 34.7030         |                     |
| TOTAL            |        |                    |           | 56.6494         |                     |

SAMPLE: 142  
 INTERNAL STANDARDS  
 ANDROSTANE ( $\mu\text{L}$ ): 0.0  
 O-TERPHYNEL ( $\mu\text{L}$ ): 0.0  
 DRY WEIGHT EXTRACTED (G): 16.92  
 SAMPLE SIZE INJECTED ( $\mu\text{L}$ ): 1.9

DATE ANALYZED: 10/28/82  
 SAMPLE VOLUME (ML): 1.0

| COMPOUND         | AREA   | RESPONSE<br>FACTOR | NG       | $\mu\text{G/G}$ | RATIOS              |
|------------------|--------|--------------------|----------|-----------------|---------------------|
| NAPHTHALENE      | 0      | .0122              | .0000    | .0000           | RESOL/UNRESOL .0000 |
| PHENANTHRENE     | 1814   | .0112              | 20.3168  | .6320           |                     |
| DIBENZOTHIOPHENE | 2080   | .0112              | 23.2960  | .7246           | RECOVERY %          |
| PYRENE           | 6321   | .0136              | 85.9656  | 2.6741          | ANDROSTANE .0000    |
| O-TERPHYNEL      | 0      | .0033              | .0000    | .0000           | O-TERPHYNEL .0000   |
| ANDROSTANE       | 0      | .0030              | .0000    | .0000           |                     |
| RESOLVED         | 127362 | .0033              | 386.5851 | 16.0559         |                     |
| UNRESOLVED       | 0      | .0033              | .0000    | .0000           |                     |
| TOTAL            |        |                    |          | 16.0559         |                     |

SAMPLE: 143  
 INTERNAL STANDARDS  
 ANDROSTANE ( $\mu\text{L}$ ): 0.0  
 O-TERPHYNEL ( $\mu\text{L}$ ): 0.0  
 DRY WEIGHT EXTRACTED (G): 29.57  
 SAMPLE SIZE INJECTED ( $\mu\text{L}$ ): 1.9

DATE ANALYZED: 10/21/82  
 SAMPLE VOLUME (ML): 1.0

| COMPOUND         | AREA   | RESPONSE<br>FACTOR | NG       | $\mu\text{G/G}$ | RATIOS              |
|------------------|--------|--------------------|----------|-----------------|---------------------|
| NAPHTHALENE      | 0      | .0122              | .0000    | .0000           | RESOL/UNRESOL .0000 |
| PHENANTHRENE     | 262    | .0112              | 2.9344   | .0522           |                     |
| DIBENZOTHIOPHENE | 10327  | .0112              | 115.6624 | 2.0587          | RECOVERY %          |
| PYRENE           | 1903   | .0136              | 25.8808  | 25.8808         | ANDROSTANE .0000    |
| O-TERPHYNEL      | 0      | .0033              | .0000    | .0000           | O-TERPHYNEL .0000   |
| ANDROSTANE       | 0      | .0030              | .0000    | .0000           |                     |
| RESOLVED         | 165770 | .0033              | 505.8174 | 11.5746         |                     |
| UNRESOLVED       | 0      | .0033              | .0000    | .0000           |                     |
| TOTAL            |        |                    |          | 11.5746         |                     |

SAMPLE: 144  
 INTERNAL STANDARDS  
 ANDROSTANE ( $\mu\text{L}$ ): 0.0  
 O-TERPHYNEL ( $\mu\text{L}$ ): 0.0  
 DRY WEIGHT EXTRACTED (G): 34.88  
 SAMPLE SIZE INJECTED ( $\mu\text{L}$ ): 1.9

DATE ANALYZED: 10/29/82  
 SAMPLE VOLUME (ML): 3.5

| COMPOUND         | AREA  | RESPONSE<br>FACTOR | NG       | $\mu\text{G/G}$ | RATIOS              |
|------------------|-------|--------------------|----------|-----------------|---------------------|
| NAPHTHALENE      | 0     | .0122              | .0000    | .0000           | RESOL/UNRESOL .0000 |
| PHENANTHRENE     | 1983  | .0112              | 22.2096  | 1.1729          |                     |
| DIBENZOTHIOPHENE | 208   | .0112              | 2.3296   | .1230           | RECOVERY %          |
| PYRENE           | 2618  | .0136              | 35.6048  | 1.8804          | ANDROSTANE .0000    |
| O-TERPHYNEL      | 0     | .0033              | .0000    | .0000           | O-TERPHYNEL .0000   |
| ANDROSTANE       | 0     | .0030              | .0000    | .0000           |                     |
| RESOLVED         | 61857 | .0033              | 188.2584 | 13.1188         |                     |
| UNRESOLVED       | 0     | .0033              | .0000    | 13.1188         |                     |
| TOTAL            |       |                    |          | .0000           |                     |



SAMPLE: 145  
 INTERNAL STANDARDS  
 ANDROSTANE (μL): 500.0  
 O-TERPHYNEL (μL): 0.0  
 DRY WEIGHT EXTRACTED (G): 22.97  
 SAMPLE SIZE INJECTED (μL): 1.9

DATE ANALYZED: 10/21/82  
 SAMPLE VOLUME (ML): 3.5

| COMPOUND         | AREA   | RESPONSE<br>FACTOR | NG       | μG/G    | RATIOS              |
|------------------|--------|--------------------|----------|---------|---------------------|
| NAPHTHALENE      | 0      | .0122              | .0000    | .0000   | RESOL/UNRESOL .0000 |
| PHENANTHRENE     | 16693  | .0112              | 186.9616 | 4.2839  |                     |
| DIBENZOTHIOPHENE | 1962   | .0112              | 21.9744  | .5035   | RECOVERY %          |
| PYRENE           | 25491  | .0136              | 346.6776 | 7.9435  | ANDROSTANE 7.2761   |
| O-TERPHYNEL      | 0      | .0033              | .0000    | .0000   | O-TERPHYNEL .0000   |
| ANDROSTANE       | 23041  | .0030              | 69.1230  | 1.5838  |                     |
| RESOLVED         | 227917 | .0033              | 606.4443 | 36.6264 |                     |
| UNRESOLVED       | 0      | .0033              | .0000    | .0000   |                     |
| TOTAL            |        |                    |          | 36.6264 |                     |

SAMPLE: 147  
 INTERNAL STANDARDS  
 ANDROSTANE (μL): 0.0  
 O-TERPHYNEL (μL): 0.0  
 DRY WEIGHT EXTRACTED (G): 17.25  
 SAMPLE SIZE INJECTED (μL): 1.9

DATE ANALYZED: 11/01/82  
 SAMPLE VOLUME (ML): 1.0

| COMPOUND         | AREA   | RESPONSE<br>FACTOR | NG       | μG/G    | RATIOS              |
|------------------|--------|--------------------|----------|---------|---------------------|
| NAPHTHALENE      | 0      | .0122              | .0000    | .0000   | RESOL/UNRESOL .0000 |
| PHENANTHRENE     | 602    | .0112              | 6.7424   | .2057   |                     |
| DIBENZOTHIOPHENE | 649    | .0112              | 7.2688   | .2218   | RECOVERY %          |
| PYRENE           | 8277   | .0136              | 112.5672 | 3.4345  | ANDROSTANE .0000    |
| O-TERPHYNEL      | 0      | .0033              | .0000    | .0000   | O-TERPHYNEL .0000   |
| ANDROSTANE       | 0      | .0030              | .0000    | .0000   |                     |
| RESOLVED         | 111578 | .0033              | 336.7650 | 14.1371 |                     |
| UNRESOLVED       | 0      | .0033              | .0000    | .0000   |                     |
| TOTAL            |        |                    |          | 14.1371 |                     |

SAMPLE: 148

DATE ANALYZED: 11/15/82

INTERNAL STANDARDS

SAMPLE VOLUME (ML): 3.0

ANDROSTANE ( $\mu\text{L}$ ): 0.0O-TERPHYNEL ( $\mu\text{L}$ ): 0.0

DRY WEIGHT EXTRACTED (G): 25.42

SAMPLE SIZE INJECTED ( $\mu\text{L}$ ): 1.0

| COMPOUND         | AREA   | RESPONSE<br>FACTOR | NG        | $\mu\text{G/G}$ | RATIOS              |
|------------------|--------|--------------------|-----------|-----------------|---------------------|
| NAPHTHALENE      | 573    | .0122              | 6.9906    | .8250           | RESOL/UNRESOL .7618 |
| PHENANTHRENE     | 16433  | .0112              | 184.0496  | 21.7210         |                     |
| DIBENZOTHIOPHENE | 102520 | .0112              | 1148.2240 | 135.5103        | RECOVERY %          |
| PYRENE           | 40194  | .0136              | 546.6384  | 64.5128         | ANDROSTANE .0000    |
| O-TERPHYNEL      | 0      | .0033              | .0000     | .0000           | O-TERPHYNEL .0000   |
| ANDROSTANE       | 0      | .0030              | .0000     | .0000           |                     |
| RESOLVED         | 584408 | .0033              | 1401.4704 | 387.9669        |                     |
| UNRESOLVED       | 767107 | .0033              | 2531.4531 | 298.7553        |                     |
| TOTAL            |        |                    |           | 686.7222        |                     |

SAMPLE: 149

DATE ANALYZED: 11/15/82

INTERNAL STANDARDS

SAMPLE VOLUME (ML): 4.0

ANDROSTANE ( $\mu\text{L}$ ): 0.0O-TERPHYNEL ( $\mu\text{L}$ ): 0.0

DRY WEIGHT EXTRACTED (G): 19.74

SAMPLE SIZE INJECTED ( $\mu\text{L}$ ): 1.0

| COMPOUND         | AREA | RESPONSE<br>FACTOR | NG      | $\mu\text{G/G}$ | RATIOS              |
|------------------|------|--------------------|---------|-----------------|---------------------|
| NAPHTHALENE      | 0    | .0122              | .0000   | .0000           | RESOL/UNRESOL .0000 |
| PHENANTHRENE     | 0    | .0112              | .0000   | .0000           |                     |
| DIBENZOTHIOPHENE | 0    | .0112              | .0000   | .0000           | RECOVERY %          |
| PYRENE           | 0    | .0136              | .0000   | .0000           | ANDROSTANE .0000    |
| O-TERPHYNEL      | 0    | .0033              | .0000   | .0000           | O-TERPHYNEL .0000   |
| ANDROSTANE       | 0    | .0030              | .0000   | .0000           |                     |
| RESOLVED         | 0    | .0033              | .0000   | .0000           |                     |
| UNRESOLVED       | 8660 | .0033              | 28.5780 | 5.7909          |                     |
| TOTAL            |      |                    |         | 5.7909          |                     |

SAMPLE: 150  
 INTERNAL STANDARDS  
 ANDROSTANE ( $\mu\text{L}$ ): 0.0  
 O-TERPHYNEL ( $\mu\text{L}$ ): 0.0  
 DRY WEIGHT EXTRACTED (G): 17.10  
 SAMPLE SIZE INJECTED ( $\mu\text{L}$ ): 1.9

DATE ANALYZED: 11/15/82  
 SAMPLE VOLUME (ML): 3.0

| COMPOUND         | AREA | RESPONSE<br>FACTOR | NG      | $\mu\text{G/G}$ | RATIOS              |
|------------------|------|--------------------|---------|-----------------|---------------------|
| NAPHTHALENE      | 0    | .0122              | .0000   | .0000           | RESOL/UNRESOL .0000 |
| PHENANTHRENE     | 0    | .0112              | .0000   | .0000           |                     |
| DIBENZOTHIOPHENE | 0    | .0112              | .0000   | .0000           | RECOVERY %          |
| PYRENE           | 376  | .0136              | 7.8336  | .7233           | ANDROSTANE .0000    |
| O-TERPHYNEL      | 0    | .0033              | .0000   | .0000           | O-TERPHYNEL .0000   |
| ANDROSTANE       | 0    | .0030              | .0000   | .0000           |                     |
| RESOLVED         | 0    | .0033              | -1.9008 | .5478           |                     |
| UNRESOLVED       | 8913 | .0033              | 29.4129 | 2.7159          |                     |
| TOTAL            |      |                    |         | 3.2637          |                     |

SAMPLE: 151  
 INTERNAL STANDARDS  
 ANDROSTANE ( $\mu\text{L}$ ): 0.0  
 O-TERPHYNEL ( $\mu\text{L}$ ): 0.0  
 DRY WEIGHT EXTRACTED (G): 20.00  
 SAMPLE SIZE INJECTED ( $\mu\text{L}$ ): 1.9

DATE ANALYZED: 11/15/82  
 SAMPLE VOLUME (ML): 1.0

| COMPOUND         | AREA  | RESPONSE<br>FACTOR | NG       | $\mu\text{G/G}$ | RATIOS              |
|------------------|-------|--------------------|----------|-----------------|---------------------|
| NAPHTHALENE      | 0     | .0122              | .0000    | .0000           | RESOL/UNRESOL .0000 |
| PHENANTHRENE     | 0     | .0112              | .0000    | .0000           |                     |
| DIBENZOTHIOPHENE | 950   | .0112              | 10.6400  | .2800           | RECOVERY %          |
| PYRENE           | 13563 | .0136              | 184.4568 | 4.8541          | ANDROSTANE .0000    |
| O-TERPHYNEL      | 0     | .0033              | .0000    | .0000           | O-TERPHYNEL .0000   |
| ANDROSTANE       | 2326  | .0030              | 6.9780   | .1836           |                     |
| RESOLVED         | 0     | .0033              | 229.0893 | 11.1628         |                     |
| UNRESOLVED       | 83934 | .0033              | .0000    | .0000           |                     |
| TOTAL            |       |                    |          | 11.1628         |                     |

SAMPLE: 152  
 INTERNAL STANDARDS  
 ANDROSTANE (μL): 0.0  
 O-TERPHYNEL (μL): 0.0  
 DRY WEIGHT EXTRACTED (G): 25.12  
 SAMPLE SIZE INJECTED (μL): 1.9

DATE ANALYZED: 11/12/82  
 SAMPLE VOLUME (ML): 4.0

| COMPOUND         | AREA | RESPONSE<br>FACTOR | NG      | μG/G   | RATIOS              |
|------------------|------|--------------------|---------|--------|---------------------|
| NAPHTHALENE      | 0    | .0122              | .0000   | .0000  | RESOL/UNRESOL .0000 |
| PHENANTHRENE     | 0    | .0112              | .0000   | .0000  |                     |
| DIBENZOTHIOPHENE | 0    | .0112              | .0000   | .0000  | RECOVERY %          |
| PYRENE           | 0    | .0136              | .0000   | .0000  | ANDROSTANE .0000    |
| O-TERPHYNEL      | 0    | .0033              | .0000   | .0000  | O-TERPHYNEL .0000   |
| ANDROSTANE       | 0    | .0030              | .0000   | .0000  |                     |
| RESOLVED         | 8134 | .0033              | 26.7762 | 2.2441 |                     |
| UNRESOLVED       | 0    | .0033              | .0000   | .0000  |                     |
| TOTAL            |      |                    |         | 2.2441 |                     |

SAMPLE: 153  
 INTERNAL STANDARDS  
 ANDROSTANE (μL): 0.0  
 O-TERPHYNEL (μL): 0.0  
 DRY WEIGHT EXTRACTED (G): 27.44  
 SAMPLE SIZE INJECTED (μL): 1.9

DATE ANALYZED: 10/23/82  
 SAMPLE VOLUME (ML): 1.0

| COMPOUND         | AREA     | RESPONSE<br>FACTOR | NG       | μG/G    | RATIOS              |
|------------------|----------|--------------------|----------|---------|---------------------|
| NAPHTHALENE      | 0        | .0122              | .0000    | .0000   | RESOL/UNRESOL .0000 |
| PHENANTHRENE     | 588      | .0112              | 6.5856   | .1263   |                     |
| DIBENZOTHIOPHENE | 422      | .0112              | 4.7264   | .0907   | RECOVERY %          |
| PYRENE           | 526      | .0136              | 7.1536   | .1372   | ANDROSTANE .0000    |
| O-TERPHYNEL      | 0        | .0033              | .0000    | .0000   | O-TERPHYNEL .0000   |
| ANDROSTANE       | 0        | .0030              | .0000    | .0000   |                     |
| RESOLVED         | 222143 ? | .0033              | 728.0031 | 14.3177 |                     |
| UNRESOLVED       | 0        | .0033              | .0000    | .0000   |                     |
| TOTAL            |          |                    |          | 14.3177 |                     |

SAMPLE: 154  
 INTERNAL STANDARDS  
 ANDROSTANE ( $\mu\text{L}$ ): 0.0  
 O-TERPHYNEL ( $\mu\text{L}$ ): 0.0  
 DRY WEIGHT EXTRACTED (G): 26.99  
 SAMPLE SIZE INJECTED ( $\mu\text{L}$ ): 1.9

DATE ANALYZED: 10/22/82  
 SAMPLE VOLUME (ML): 1.0

| COMPOUND         | AREA  | RESPONSE<br>FACTOR | NG      | $\mu\text{G/G}$ | RATIOS              |
|------------------|-------|--------------------|---------|-----------------|---------------------|
| NAPHTHALENE      | 0     | .0122              | .0000   | .0000           | RESOL/UNRESOL .0000 |
| PHENANTHRENE     | 0     | .0112              | .0000   | .0000           |                     |
| DIBENZOTHIOPHENE | 0     | .0112              | .0000   | .0000           | RECOVERY %          |
| PYRENE           | 441   | .0136              | 5.9976  | .1170           | ANDROSTANE .0000    |
| O-TERPHYNEL      | 0     | .0033              | .0000   | .0000           | O-TERPHYNEL .0000   |
| ANDROSTANE       | 0     | .0030              | .0000   | .0000           |                     |
| RESOLVED         | 20740 | .0033              | 66.9867 | 1.4232          |                     |
| UNRESOLVED       | 0     | .0033              | .0000   | .0000           |                     |
| TOTAL            |       |                    |         | 1.4232          |                     |

SAMPLE: (301) C14-152-P2  
 INTERNAL STANDARDS  
 ANDROSTANE ( $\mu\text{L}$ ): 0.0  
 O-TERPHYNEL ( $\mu\text{L}$ ): 0.0  
 DRY WEIGHT EXTRACTED (G): 11.X0 ?  
 SAMPLE SIZE INJECTED ( $\mu\text{L}$ ): 1.9

DATE ANALYZED: 11/16/82  
 SAMPLE VOLUME (ML): 1.0

| COMPOUND         | AREA  | RESPONSE<br>FACTOR | NG       | $\mu\text{G/G}$ | RATIOS              |
|------------------|-------|--------------------|----------|-----------------|---------------------|
| NAPHTHALENE      | 0     | .0122              | .0000    | .0000           | RESOL/UNRESOL .0000 |
| PHENANTHRENE     | 657   | .0112              | 7.3584   | .3458           |                     |
| DIBENZOTHIOPHENE | 3620  | .0112              | 49.2320  | 2.3135          | RECOVERY %          |
| PYRENE           | 0     | .0136              | .0000    | .0000           | ANDROSTANE .0000    |
| O-TERPHYNEL      | 0     | .0033              | .0000    | .0000           | O-TERPHYNEL .0000   |
| ANDROSTANE       | 0     | .0030              | .0000    | .0000           |                     |
| RESOLVED         | 47940 | .0033              | 144.0879 | 9.4304          |                     |
| UNRESOLVED       | 0     | .0033              | .0000    | .0000           |                     |
| TOTAL            |       |                    |          | 9.4304          |                     |

SAMPLE: (305) C14-74-P3

DATE ANALYZED: 10/25/82

INTERNAL STANDARDS

SAMPLE VOLUME (ML): 1.0

ANDROSTANE (μL): 0.0

O-TERPHYNEL (μL): 0.0

DRY WEIGHT EXTRACTED (G): 12.45

SAMPLE SIZE INJECTED (μL): 1.9

| COMPOUND         | AREA  | RESPONSE<br>FACTOR | NG      | μG/G   | RATIOS              |
|------------------|-------|--------------------|---------|--------|---------------------|
| NAPHTHALENE      | 0     | .0122              | .0000   | .0000  | RESOL/UNRESOL .0000 |
| PHENANTHRENE     | 0     | .0112              | .0000   | .0000  |                     |
| DIBENZOTHIOPHENE | 0     | .0112              | .0000   | .0000  | RECOVERY %          |
| PYRENE           | 0     | .0136              | .0000   | .0000  | ANDROSTANE .0000    |
| O-TERPHYNEL      | 0     | .0033              | .0000   | .0000  | O-TERPHYNEL .0000   |
| ANDROSTANE       | 0     | .0030              | .0000   | .0000  |                     |
| RESOLVED         | 16899 | .0033              | 55.7667 | 2.3575 |                     |
| UNRESOLVED       | 0     | .0033              | .0000   | .0000  |                     |
| TOTAL            |       |                    |         | 2.3575 |                     |

SAMPLE: (302) C14-72

DATE ANALYZED: 11/16/82

INTERNAL STANDARDS

SAMPLE VOLUME (ML): 1.0

ANDROSTANE (μL): 0.0

O-TERPHYNEL (μL): 0.0

DRY WEIGHT EXTRACTED (G): 11.17

SAMPLE SIZE INJECTED (μL): 1.9

| COMPOUND         | AREA   | RESPONSE<br>FACTOR | NG        | μG/G    | RATIOS               |
|------------------|--------|--------------------|-----------|---------|----------------------|
| NAPHTHALENE      | 0      | .0122              | .0000     | .0000   | RESOL/UNRESOL 1.2906 |
| PHENANTHRENE     | 317    | .0112              | 3.5504    | .1673   |                      |
| DIBENZOTHIOPHENE | 14185  | .0112              | 158.8720  | 7.4858  | RECOVERY %           |
| PYRENE           | 4979   | .0136              | 67.7144   | 3.1906  | ANDROSTANE .0000     |
| O-TERPHYNEL      | 0      | .0033              | .0000     | .0000   | O-TERPHYNEL .0000    |
| ANDROSTANE       | 0      | .0030              | .0000     | .0000   |                      |
| RESOLVED         | 330430 | .0033              | 1026.1317 | 59.1937 |                      |
| UNRESOLVED       | 256027 | .0033              | 844.8891  | 39.8101 |                      |
| TOTAL            |        |                    |           | 99.0038 |                      |

SAMPLE: (308) C14-74-P2

DATE ANALYZED: 10/23/82

INTERNAL STANDARDS

SAMPLE VOLUME (ML): 1.0

ANDROSTANE ( $\mu$ L): 0.0  
 O-TERPHYNEL ( $\mu$ L): 0.0  
 DRY WEIGHT EXTRACTED (G): 3.88  
 SAMPLE SIZE INJECTED ( $\mu$ L): 1.9

| COMPOUND         | AREA  | RESPONSE<br>FACTOR | NG       | $\mu$ G/G | RATIOS              |
|------------------|-------|--------------------|----------|-----------|---------------------|
| NAPHTHALENE      | 0     | .0122              | .0000    | .0000     | RESOL/UNRESOL .0000 |
| PHENANTHRENE     | 1002  | .0112              | 11.2224  | 1.5223    |                     |
| DIBENZOTHIOPHENE | 2308  | .0112              | 25.8496  | 3.5065    | RECOVERY %          |
| PYRENE           | 6370  | .0136              | 86.6320  | 11.7515   | ANDROSTANE .0000    |
| O-TERPHYNEL      | 0     | .0033              | .0000    | .0000     | O-TERPHYNEL .0000   |
| ANDROSTANE       | 0     | .0030              | .0000    | .0000     |                     |
| RESOLVED         | 94173 | .0033              | 278.8269 | 54.6027   |                     |
| UNRESOLVED       | 0     | .0033              | .0000    | .0000     |                     |
| TOTAL            |       |                    |          | 54.6027   |                     |

SAMPLE: (309) C14-152-P1

DATE ANALYZED: 11/16/82

INTERNAL STANDARDS

SAMPLE VOLUME (ML): 1.0

ANDROSTANE ( $\mu$ L): 0.0  
 O-TERPHYNEL ( $\mu$ L): 0.0  
 DRY WEIGHT EXTRACTED (G): 17.70  
 SAMPLE SIZE INJECTED ( $\mu$ L): 1.9

| COMPOUND         | AREA  | RESPONSE<br>FACTOR | NG       | $\mu$ G/G | RATIOS              |
|------------------|-------|--------------------|----------|-----------|---------------------|
| NAPHTHALENE      | 0     | .0122              | .0000    | .0000     | RESOL/UNRESOL .0000 |
| PHENANTHRENE     | 2950  | .0112              | 33.0400  | .9825     |                     |
| DIBENZOTHIOPHENE | 984   | .0112              | 11.0208  | .3277     | RECOVERY %          |
| PYRENE           | 8162  | .0136              | 111.0032 | 3.3007    | ANDROSTANE .0000    |
| O-TERPHYNEL      | 0     | .0033              | .0000    | .0000     | O-TERPHYNEL .0000   |
| ANDROSTANE       | 0     | .0030              | .0000    | .0000     |                     |
| RESOLVED         | 81697 | .0033              | 229.6833 | 11.4406   |                     |
| UNRESOLVED       | 0     | .0033              | .0000    | .0000     |                     |
| TOTAL            |       |                    |          | 11.4406   |                     |

SAMPLE: (306) C14-81

DATE ANALYZED: 10/23/82

INTERNAL STANDARDS

SAMPLE VOLUME (ML): 1.0

ANDROSTANE ( $\mu$ L): 0.0

O-TERPHYNEL ( $\mu$ L): 0.0

DRY WEIGHT EXTRACTED (G): 14.92

SAMPLE SIZE INJECTED ( $\mu$ L): 1.9

| COMPOUND         | AREA   | RESPONSE<br>FACTOR | NG       | $\mu$ G/G | RATIOS              |
|------------------|--------|--------------------|----------|-----------|---------------------|
| NAPHTHALENE      | 0      | .0122              | .0000    | .0000     | RESOL/UNRESOL .0000 |
| PHENANTHRENE     | 0      | .0112              | .0000    | .0000     |                     |
| DIBENZOTHIOPHENE | 0      | .0112              | .0000    | .0000     | RECOVERY %          |
| PYRENE           | 5980   | .0136              | 81.3280  | 2.8698    | ANDROSTANE .0000    |
| O-TERPHYNEL      | 0      | .0033              | .0000    | .0000     | O-TERPHYNEL .0000   |
| ANDROSTANE       | 0      | .0030              | .0000    | .0000     |                     |
| RESOLVED         | 126150 | .0033              | 396.5610 | 16.8579   |                     |
| UNRESOLVED       | 0      | .0033              | .0000    | .0000     |                     |
| TOTAL            |        |                    |          | 16.8579   |                     |

SAMPLE: (307) C14-80

DATE ANALYZED: 10/25/82

INTERNAL STANDARDS

SAMPLE VOLUME (ML): 1.0

ANDROSTANE ( $\mu$ L): 0.0

O-TERPHYNEL ( $\mu$ L): 0.0

DRY WEIGHT EXTRACTED (G): 23.39

SAMPLE SIZE INJECTED ( $\mu$ L): 1.9

| COMPOUND         | AREA  | RESPONSE<br>FACTOR | NG      | $\mu$ G/G | RATIOS              |
|------------------|-------|--------------------|---------|-----------|---------------------|
| NAPHTHALENE      | 0     | .0122              | .0000   | .0000     | RESOL/UNRESOL .0000 |
| PHENANTHRENE     | 0     | .0112              | .0000   | .0000     |                     |
| DIBENZOTHIOPHENE | 0     | .0112              | .0000   | .0000     | RECOVERY %          |
| PYRENE           | 0     | .0136              | .0000   | .0000     | ANDROSTANE .0000    |
| O-TERPHYNEL      | 0     | .0033              | .0000   | .0000     | O-TERPHYNEL .0000   |
| ANDROSTANE       | 0     | .0030              | .0000   | .0000     |                     |
| RESOLVED         | 22300 | .0033              | 73.5900 | 1.6559    |                     |
| UNRESOLVED       | 0     | .0033              | .0000   | .0000     |                     |
| TOTAL            |       |                    |         | 1.6559    |                     |



SAMPLE: (312) C14-78-P2

DATE ANALYZED: 11/15/82

INTERNAL STANDARDS

SAMPLE VOLUME (ML): 1.0

ANDROSTANE ( $\mu$ L): 0.0  
 O-TERPHYNEL ( $\mu$ L): 0.0  
 DRY WEIGHT EXTRACTED (G): 8.17  
 SAMPLE SIZE INJECTED ( $\mu$ L): 1.9

| COMPOUND         | AREA  | RESPONSE<br>FACTOR | NG      | $\mu$ G/G | RATIOS              |
|------------------|-------|--------------------|---------|-----------|---------------------|
| NAPHTHALENE      | 0     | .0122              | .0000   | .0000     | RESOL/UNRESOL .0000 |
| PHENANTHRENE     | 972   | .0112              | 10.8864 | .7013     |                     |
| DIBENZOTHIOPHENE | 0     | .0112              | .0000   | .0000     | RECOVERY %          |
| PYRENE           | 0     | .0136              | .0000   | .0000     | ANDROSTANE .0000    |
| O-TERPHYNEL      | 0     | .0033              | .0000   | .0000     | O-TERPHYNEL .0000   |
| ANDROSTANE       | 0     | .0030              | .0000   | .0000     |                     |
| RESOLVED         | 25400 | .0033              | 80.6124 | 5.8944    |                     |
| UNRESOLVED       | 0     | .0033              | .0000   | .0000     |                     |
| TOTAL            |       |                    |         | 5.8944    |                     |

SAMPLE: (310) C14-74-P1

DATE ANALYZED: 11/15/82

INTERNAL STANDARDS

SAMPLE VOLUME (ML): 1.0

ANDROSTANE ( $\mu$ L): 0.0  
 O-TERPHYNEL ( $\mu$ L): 0.0  
 DRY WEIGHT EXTRACTED (G): 6.49  
 SAMPLE SIZE INJECTED ( $\mu$ L): 1.9

| COMPOUND         | AREA    | RESPONSE<br>FACTOR | NG       | $\mu$ G/G | RATIOS              |
|------------------|---------|--------------------|----------|-----------|---------------------|
| NAPHTHALENE      | 0       | .0122              | .0000    | .0000     | RESOL/UNRESOL .0000 |
| PHENANTHRENE     | 4782    | .0112              | 53.5584  | 4.3434    |                     |
| DIBENZOTHIOPHENE | 935     | .0112              | 10.4720  | .8492     | RECOVERY %          |
| PYRENE           | 4525    | .0136              | 61.5400  | 4.9907    | ANDROSTANE .0000    |
| O-TERPHYNEL      | 0       | .0033              | .0000    | .0000     | O-TERPHYNEL .0000   |
| ANDROSTANE       | 0       | .0030              | .0000    | .0000     |                     |
| RESOLVED         | 63792 ? | .0033              | 176.7150 | 24.5143   |                     |
| UNRESOLVED       | 0       | .0033              | .0000    | .0000     |                     |
| TOTAL            |         |                    |          | 24.5143   |                     |

SAMPLE: (311) C14-78-P1

DATE ANALYZED: 11/18/82

INTERNAL STANDARDS

SAMPLE VOLUME (ML): 1.0

ANDROSTANE ( $\mu$ L): 0.0

O-TERPHYNEL ( $\mu$ L): 0.0

DRY WEIGHT EXTRACTED (G): 5.70

SAMPLE SIZE INJECTED ( $\mu$ L): 1.9

| COMPOUND         | AREA  | RESPONSE<br>FACTOR | NG       | $\mu$ G/G | RATIOS              |
|------------------|-------|--------------------|----------|-----------|---------------------|
| NAPHTHALENE      | 0     | .0122              | .0000    | .0000     | RESOL/UNRESOL .0000 |
| PHENANTHRENE     | 1744  | .0112              | 19.5328  | 1.8036    |                     |
| DIBENZOTHIOPHENE | 623   | .0112              | 6.9776   | .6443     | RECOVERY %          |
| PYRENE           | 2233  | .0136              | 30.3688  | 2.8041    | ANDROSTANE .0000    |
| O-TERPHYNEL      | 0     | .0033              | .0000    | .0000     | O-TERPHYNEL .0000   |
| ANDROSTANE       | 0     | .0030              | .0000    | .0000     |                     |
| RESOLVED         | 46860 | .0033              | 139.4580 | 18.1290   |                     |
| UNRESOLVED       | 0     | .0033              | .0000    | .0000     |                     |
| TOTAL            |       |                    |          | 18.1290   |                     |

SAMPLE: (318) SEA TROUT #1 (WHOLE)

DATE ANALYZED: 12/10/82

INTERNAL STANDARDS

SAMPLE VOLUME (ML): 1.0

ANDROSTANE ( $\mu$ L): 0.0

O-TERPHYNEL ( $\mu$ L): 50.0

DRY WEIGHT EXTRACTED (G): 0.60

SAMPLE SIZE INJECTED ( $\mu$ L): 1.9

| COMPOUND         | AREA  | RESPONSE<br>FACTOR | NG      | $\mu$ G/G | RATIOS              |
|------------------|-------|--------------------|---------|-----------|---------------------|
| NAPHTHALENE      | 0     | .0122              | .0000   | .0000     | RESOL/UNRESOL .0000 |
| PHENANTHRENE     | 0     | .0112              | .0000   | .0000     |                     |
| DIBENZOTHIOPHENE | 0     | .0112              | .0000   | .0000     | RECOVERY %          |
| PYRENE           | 0     | .0136              | .0000   | .0000     | ANDROSTANE .0000    |
| O-TERPHYNEL      | 4625  | .0033              | 15.2625 | 13.3882   | O-TERPHYNEL 16.0658 |
| ANDROSTANE       | 0     | .0030              | .0000   | .0000     |                     |
| RESOLVED         | 21185 | .0033              | 69.9105 | 61.3250   |                     |
| UNRESOLVED       | 0     | .0033              | .0000   | .0000     |                     |
| TOTAL            |       |                    |         | 61.3250   |                     |

SAMPLE: (319) PINFISH (WHOLE)  
INTERNAL STANDARDS  
ANDROSTANE ( $\mu\text{L}$ ): 0.0  
O-TERPHYNEL ( $\mu\text{L}$ ): 50.0  
DRY WEIGHT EXTRACTED (G): 1.78  
SAMPLE SIZE INJECTED ( $\mu\text{L}$ ): 1.9

DATE ANALYZED: 12/10/82  
SAMPLE VOLUME (ML): 1.0

| COMPOUND         | AREA  | RESPONSE<br>FACTOR | NG      | $\mu\text{G/G}$ | RATIOS              |
|------------------|-------|--------------------|---------|-----------------|---------------------|
| NAPHTHALENE      | 0     | .0122              | .0000   | .0000           | RESOL/UNRESOL .0000 |
| PHENANTHRENE     | 0     | .0112              | .0000   | .0000           |                     |
| DIBENZOTHIOPHENE | 0     | .0112              | .0000   | .0000           | RECOVERY %          |
| PYRENE           | 0     | .0136              | .0000   | .0000           | ANDROSTANE .0000    |
| O-TERPHYNEL      | 14743 | .0033              | 48.6519 | 14.3855         | O-TERPHYNEL 51.2125 |
| ANDROSTANE       | 0     | .0030              | .0000   | .0000           |                     |
| RESOLVED         | 15580 | .0033              | 51.4140 | 15.2022         |                     |
| UNRESOLVED       | 0     | .0033              | .0000   | .0000           |                     |
| TOTAL            |       |                    |         | 15.2022         |                     |

SAMPLE: (319) GREY SNAPPER (WHOLE)  
INTERNAL STANDARDS  
ANDROSTANE ( $\mu\text{L}$ ): 0.0  
O-TERPHYNEL ( $\mu\text{L}$ ): 50.0  
DRY WEIGHT EXTRACTED (G): 2.37  
SAMPLE SIZE INJECTED ( $\mu\text{L}$ ): 1.9

DATE ANALYZED: 12/14/82  
SAMPLE VOLUME (ML): 1.0

| COMPOUND         | AREA  | RESPONSE<br>FACTOR | NG       | $\mu\text{G/G}$ | RATIOS              |
|------------------|-------|--------------------|----------|-----------------|---------------------|
| NAPHTHALENE      | 1297  | .0122              | 15.8234  | 3.5140          | RESOL/UNRESOL .0000 |
| PHENANTHRENE     | 0     | .0112              | .0000    | .0000           |                     |
| DIBENZOTHIOPHENE | 0     | .0112              | .0000    | .0000           | RECOVERY %          |
| PYRENE           | 0     | .0136              | .0000    | .0000           | ANDROSTANE .0000    |
| O-TERPHYNEL      | 16054 | .0033              | 52.9782  | 11.7651         | O-TERPHYNEL 55.7665 |
| ANDROSTANE       | 0     | .0030              | .0000    | .0000           |                     |
| RESOLVED         | 36009 | .0033              | 114.5496 | 28.9525         |                     |
| UNRESOLVED       | 0     | .0033              | .0000    | .0000           |                     |
| TOTAL            |       |                    |          | 28.9525         |                     |

SAMPLE: (321) SCALLOPS (WHOLE)  
 INTERNAL STANDARDS  
 ANDROSTANE (μL): 0.0  
 O-TERPHYNEL (μL): 50.0  
 DRY WEIGHT EXTRACTED (G): 1.03  
 SAMPLE SIZE INJECTED (μL): 1.9

DATE ANALYZED: 12/14/82  
 SAMPLE VOLUME (ML): 1.0

| COMPOUND         | AREA  | RESPONSE<br>FACTOR | NG       | μG/G    | RATIOS              |
|------------------|-------|--------------------|----------|---------|---------------------|
| NAPHTHALENE      | 0     | .0122              | .0000    | .0000   | RESOL/UNRESOL .0000 |
| PHENANTHRENE     | 0     | .0112              | .0000    | .0000   |                     |
| DIBENZOTHIOPHENE | 0     | .0112              | .0000    | .0000   | RECOVERY %          |
| PYRENE           | 0     | .0136              | .0000    | .0000   | ANDROSTANE .0000    |
| O-TERPHYNEL      | 10376 | .0033              | 34.2408  | 17.1633 | O-TERPHYNEL 36.0429 |
| ANDROSTANE       | 0     | .0030              | .0000    | .0000   |                     |
| RESOLVED         | 32585 | .0033              | 107.5305 | 53.9000 |                     |
| UNRESOLVED       | 0     | .0033              | .0000    | .0000   |                     |
| TOTAL            |       |                    |          | 53.9000 |                     |

SAMPLE: (322) TOADFISH (WHOLE)  
 INTERNAL STANDARDS  
 ANDROSTANE (μL): 0.0  
 O-TERPHYNEL (μL): 50.0  
 DRY WEIGHT EXTRACTED (G): 1.61  
 SAMPLE SIZE INJECTED (μL): 1.9

DATE ANALYZED: 12/14/82  
 SAMPLE VOLUME (ML): 1.0

| COMPOUND         | AREA  | RESPONSE<br>FACTOR | NG      | μG/G    | RATIOS              |
|------------------|-------|--------------------|---------|---------|---------------------|
| NAPHTHALENE      | 0     | .0122              | .0000   | .0000   | RESOL/UNRESOL .0000 |
| PHENANTHRENE     | 0     | .0112              | .0000   | .0000   |                     |
| DIBENZOTHIOPHENE | 0     | .0112              | .0000   | .0000   | RECOVERY %          |
| PYRENE           | 0     | .0136              | .0000   | .0000   | ANDROSTANE .0000    |
| O-TERPHYNEL      | 13120 | .0033              | 43.2960 | 14.1536 | O-TERPHYNEL 45.5747 |
| ANDROSTANE       | 0     | .0030              | .0000   | .0000   |                     |
| RESOLVED         | 17480 | .0033              | 90.6840 | 29.6450 |                     |
| UNRESOLVED       | 0     | .0033              | .0000   | .0000   |                     |
| TOTAL            |       |                    |         | 29.6450 |                     |

SAMPLE: (323) SHRIMP (WHOLE)  
 INTERNAL STANDARDS  
 ANDROSTANE ( $\mu\text{L}$ ): 0.0  
 O-TERPHYNEL ( $\mu\text{L}$ ): 50.0  
 DRY WEIGHT EXTRACTED (G): 1.66  
 SAMPLE SIZE INJECTED ( $\mu\text{L}$ ): 1.9

DATE ANALYZED: 12/14/82  
 SAMPLE VOLUME (ML): 1.0

| COMPOUND         | AREA  | RESPONSE<br>FACTOR | NG       | $\mu\text{G/G}$ | RATIOS              |
|------------------|-------|--------------------|----------|-----------------|---------------------|
| NAPHTHALENE      | 0     | .0122              | .0000    | .0000           | RESOL/UNRESOL .0000 |
| PHENANTHRENE     | 0     | .0112              | .0000    | .0000           |                     |
| DIBENZOTHIOPHENE | 0     | .0112              | .0000    | .0000           | RECOVERY %          |
| PYRENE           | 0     | .0136              | .0000    | .0000           | ANDROSTANE .0000    |
| O-TERPHYNEL      | 1880  | .0033              | 5.5440   | 1.7578          | O-TERPHYNEL 5.8358  |
| ANDROSTANE       | 0     | .0030              | .0000    | .0000           |                     |
| RESOLVED         | 49458 | .0033              | 163.2114 | 51.7474         |                     |
| UNRESOLVED       | 0     | .0033              | .0000    | .0000           |                     |
| TOTAL            |       |                    |          | 51.7474         |                     |

SAMPLE: (324) GRUNT (WHOLE)  
 INTERNAL STANDARDS  
 ANDROSTANE ( $\mu\text{L}$ ): 0.0  
 O-TERPHYNEL ( $\mu\text{L}$ ): 50.0  
 DRY WEIGHT EXTRACTED (G): 1.93  
 SAMPLE SIZE INJECTED ( $\mu\text{L}$ ): 1.9

DATE ANALYZED: 12/14/82  
 SAMPLE VOLUME (ML): 1.0

| COMPOUND         | AREA  | RESPONSE<br>FACTOR | NG      | $\mu\text{G/G}$ | RATIOS              |
|------------------|-------|--------------------|---------|-----------------|---------------------|
| NAPHTHALENE      | 3584  | .0122              | 43.7248 | 11.9239         | RESOL/UNRESOL .0000 |
| PHENANTHRENE     | 1705  | .0112              | 19.0960 | 5.2075          |                     |
| DIBENZOTHIOPHENE | 0     | .0112              | .0000   | .0000           | RECOVERY %          |
| PYRENE           | 2778  | .0136              | 37.7808 | 10.3029         | ANDROSTANE .0000    |
| O-TERPHYNEL      | 13047 | .0033              | 43.0551 | 11.7412         | O-TERPHYNEL 45.3212 |
| ANDROSTANE       | 0     | .0030              | .0000   | .0000           |                     |
| RESOLVED         | 22463 | .0033              | 47.5068 | 40.3895         |                     |
| UNRESOLVED       | 0     | .0033              | .0000   | .0000           |                     |
| TOTAL            |       |                    |         | 40.3895         |                     |

SAMPLE: (326) STONE CRAB (HEPATO-PANCREAS) DATE ANALYZED: 12/15/82  
INTERNAL STANDARDS SAMPLE VOLUME (ML): 1.0  
ANDROSTANE (μL): 0.0  
O-TERPHYNEL (μL): 50.0  
DRY WEIGHT EXTRACTED (G): 1.04  
SAMPLE SIZE INJECTED (μL): 1.9

| COMPOUND         | AREA  | RESPONSE<br>FACTOR | NG       | μG/G    | RATIOS              |
|------------------|-------|--------------------|----------|---------|---------------------|
| NAPHTHALENE      | 0     | .0122              | .0000    | .0000   | RESOL/UNRESOL .0000 |
| PHENANTHRENE     | 0     | .0112              | .0000    | .0000   |                     |
| DIBENZOTHIOPHENE | 0     | .0112              | .0000    | .0000   | RECOVERY %          |
| PYRENE           | 0     | .0136              | .0000    | .0000   | ANDROSTANE .0000    |
| O-TERPHYNEL      | 17813 | .0033              | 58.7829  | 29.7484 | O-TERPHYNEL 61.8767 |
| ANDROSTANE       | 0     | .0030              | .0000    | .0000   |                     |
| RESOLVED         | 38386 | .0033              | 126.6738 | 64.1062 |                     |
| UNRESOLVED       | 0     | .0033              | .0000    | .0000   |                     |
| TOTAL            |       |                    |          | 64.1062 |                     |

SAMPLE: (327) BLUE CRAB (CLAW MUSCLE) DATE ANALYZED: 12/15/82  
INTERNAL STANDARDS SAMPLE VOLUME (ML): 1.0  
ANDROSTANE (μL): 0.0  
O-TERPHYNEL (μL): 50.0  
DRY WEIGHT EXTRACTED (G): 0.65  
SAMPLE SIZE INJECTED (μL): 1.9

| COMPOUND         | AREA   | RESPONSE<br>FACTOR | NG       | μG/G     | RATIOS               |
|------------------|--------|--------------------|----------|----------|----------------------|
| NAPHTHALENE      | 3453   | .0122              | 42.1266  | 34.1106  | RESOL/UNRESOL .0000  |
| PHENANTHRENE     | 0      | .0112              | .0000    | .0000    |                      |
| DIBENZOTHIOPHENE | 0      | .0112              | .0000    | .0000    | RECOVERY %           |
| PYRENE           | 1491   | .0136              | 20.2776  | 16.4191  | ANDROSTANE .0000     |
| O-TERPHYNEL      | 33796  | .0033              | 111.5268 | 90.3051  | O-TERPHYNEL 117.3966 |
| ANDROSTANE       | 0      | .0030              | .0000    | .0000    |                      |
| RESOLVED         | 129359 | .0033              | 410.5695 | 382.9746 |                      |
| UNRESOLVED       | 0      | .0033              | .0000    | .0000    |                      |
| TOTAL            |        |                    |          | 382.9746 |                      |

SAMPLE: (328) SCHOOL MASTER (WHOLE)

DATE ANALYZED: 12/16/82

INTERNAL STANDARDS

SAMPLE VOLUME (ML): 1.0

ANDROSTANE ( $\mu$ L): 0.0  
 O-TERPHYNEL ( $\mu$ L): 50.0  
 DRY WEIGHT EXTRACTED (G): 0.87  
 SAMPLE SIZE INJECTED ( $\mu$ L): 1.9

| COMPOUND         | AREA   | RESPONSE<br>FACTOR | NG       | $\mu$ G/G | RATIOS              |
|------------------|--------|--------------------|----------|-----------|---------------------|
| NAPHTHALENE      | 0      | .0122              | .0000    | .0000     | RESOL/UNRESOL .0000 |
| PHENANTHRENE     | 0      | .0112              | .0000    | .0000     |                     |
| DIBENZOTHIOPHENE | 3892   | .0112              | 43.5904  | 26.3705   | RECOVERY %          |
| PYRENE           | 6772   | .0136              | 92.0992  | 55.7164   | ANDROSTANE .0000    |
| O-TERPHYNEL      | 11197  | .0033              | 36.9501  | 22.3534   | O-TERPHYNEL 38.8948 |
| ANDROSTANE       | 0      | .0030              | .0000    | .0000     |                     |
| RESOLVED         | 107560 | .0033              | 319.7568 | 275.5272  |                     |
| UNRESOLVED       | 0      | .0033              | .0000    | .0000     |                     |
| TOTAL            |        |                    |          | 275.5272  |                     |

SAMPLE: (329) SEA TROUT #2 (WHOLE)

DATE ANALYZED: 12/16/82

INTERNAL STANDARDS

SAMPLE VOLUME (ML): 1.0

ANDROSTANE ( $\mu$ L): 0.0  
 O-TERPHYNEL ( $\mu$ L): 50.0  
 DRY WEIGHT EXTRACTED (G): 0.87  
 SAMPLE SIZE INJECTED ( $\mu$ L): 1.9

| COMPOUND         | AREA  | RESPONSE<br>FACTOR | NG      | $\mu$ G/G | RATIOS              |
|------------------|-------|--------------------|---------|-----------|---------------------|
| NAPHTHALENE      | 0     | .0122              | .0000   | .0000     | RESOL/UNRESOL .0000 |
| PHENANTHRENE     | 0     | .0112              | .0000   | .0000     |                     |
| DIBENZOTHIOPHENE | 0     | .0112              | .0000   | .0000     | RECOVERY %          |
| PYRENE           | 0     | .0136              | .0000   | .0000     | ANDROSTANE .0000    |
| O-TERPHYNEL      | 10064 | .0033              | 33.2112 | 24.9708   | O-TERPHYNEL 34.9592 |
| ANDROSTANE       | 0     | .0030              | .0000   | .0000     |                     |
| RESOLVED         | 19193 | .0033              | 63.3369 | 47.6217   |                     |
| UNRESOLVED       | 0     | .0033              | .0000   | .0000     |                     |
| TOTAL            |       |                    |         | 47.6217   |                     |

SAMPLE: (330) BLUE CRAB (HEPATO-PANCREAS)

DATE ANALYZED: 12/16/82

INTERNAL STANDARDS

SAMPLE VOLUME (ML): 1.0

ANDROSTANE ( $\mu$ L): 0.0

O-TERPHYNEL ( $\mu$ L): 50.0

DRY WEIGHT EXTRACTED (G): 2.80

SAMPLE SIZE INJECTED ( $\mu$ L): 1.9

| COMPOUND         | AREA   | RESPONSE<br>FACTOR | NG        | $\mu$ G/G | RATIOS              |
|------------------|--------|--------------------|-----------|-----------|---------------------|
| NAPHTHALENE      | 0      | .0122              | .0000     | .0000     | RESOL/UNRESOL .0000 |
| PHENANTHRENE     | 110    | .0112              | 1.2320    | .2316     |                     |
| DIBENZOTHIOPHENE | 988    | .0112              | 11.0656   | 2.0800    | RECOVERY %          |
| PYRENE           | 10171  | .0136              | 138.3256  | 26.0011   | ANDROSTANE .0000    |
| O-TERPHYNEL      | 13015  | .0033              | 42.9495   | 8.0732    | O-TERPHYNEL 45.2100 |
| ANDROSTANE       | 0      | .0030              | .0000     | .0000     |                     |
| RESOLVED         | 645348 | .0033              | 2092.4607 | 421.6323  |                     |
| UNRESOLVED       | 0      | .0033              | .0000     | .0000     |                     |
| TOTAL            |        |                    |           | 421.6323  |                     |

SAMPLE: (330) STONE CRAB (CLAW MUSCLE)

DATE ANALYZED: 12/16/82

INTERNAL STANDARDS

SAMPLE VOLUME (ML): 1.0

ANDROSTANE ( $\mu$ L): 0.0

O-TERPHYNEL ( $\mu$ L): 50.0

DRY WEIGHT EXTRACTED (G): 0.45

SAMPLE SIZE INJECTED ( $\mu$ L): 1.9

| COMPOUND         | AREA  | RESPONSE<br>FACTOR | NG       | $\mu$ G/G | RATIOS              |
|------------------|-------|--------------------|----------|-----------|---------------------|
| NAPHTHALENE      | 0     | .0122              | .0000    | .0000     | RESOL/UNRESOL .0000 |
| PHENANTHRENE     | 0     | .0112              | .0000    | .0000     |                     |
| DIBENZOTHIOPHENE | 0     | .0112              | .0000    | .0000     | RECOVERY %          |
| PYRENE           | 0     | .0136              | .0000    | .0000     | ANDROSTANE .0000    |
| O-TERPHYNEL      | 10096 | .0033              | 33.3168  | 38.9670   | O-TERPHYNEL 35.0703 |
| ANDROSTANE       | 0     | .0030              | .0000    | .0000     |                     |
| RESOLVED         | 39602 | .0033              | 130.6866 | 152.8498  |                     |
| UNRESOLVED       | 0     | .0033              | .0000    | .0000     |                     |
| TOTAL            |       |                    |          | 152.8498  |                     |