

Data Path : Z:\SVOASRV\HPCHEM1\BNA\_M\DATA\BM032219\  
 Data File : BM019325.D  
 Acq On : 22 Mar 2019 22:47  
 Operator : JU/SJ  
 Sample : K1968-02  
 Misc :  
 ALS Vial : 11 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 C09B9

## Integration Parameters: LSCINT.P

Integrator: RTE  
 Smoothing : OFF  
 Sampling : 1  
 Start Thrs: 0.2  
 Stop Thrs : 0

Filtering: 5  
 Min Area: 0.1 % of largest Peak  
 Max Peaks: 100  
 Peak Location: TOP

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

Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM032219MA.M  
 Title : SVOA CALIBRATION

Signal : TIC

| peak<br># | R.T.<br>min | first<br>scan | max<br>scan | last<br>scan | PK<br>TY | peak<br>height | corr.<br>area | corr.<br>% max. | % of<br>total |
|-----------|-------------|---------------|-------------|--------------|----------|----------------|---------------|-----------------|---------------|
| 1         | 3.152       | 25            | 28          | 35           | rVB2     | 29451          | 41342         | 1.04%           | 0.123%        |
| 2         | 3.752       | 128           | 130         | 136          | rVB3     | 10358          | 12540         | 0.32%           | 0.037%        |
| 3         | 6.698       | 629           | 631         | 637          | rVB5     | 2660           | 4251          | 0.11%           | 0.013%        |
| 4         | 6.798       | 643           | 648         | 665          | rBV      | 86191          | 192413        | 4.86%           | 0.571%        |
| 5         | 6.963       | 671           | 676         | 700          | rBV      | 428965         | 801500        | 20.23%          | 2.379%        |
| 6         | 7.151       | 700           | 708         | 723          | rBV      | 493390         | 857584        | 21.64%          | 2.545%        |
| 7         | 7.616       | 779           | 787         | 798          | rBV      | 475668         | 797945        | 20.14%          | 2.368%        |
| 8         | 8.328       | 902           | 908         | 929          | rBV      | 314583         | 604974        | 15.27%          | 1.796%        |
| 9         | 8.787       | 978           | 986         | 1000         | rBV      | 556552         | 1008204       | 25.44%          | 2.992%        |
| 10        | 9.110       | 1038          | 1041        | 1047         | rVB3     | 5349           | 8308          | 0.21%           | 0.025%        |
| 11        | 9.498       | 1100          | 1107        | 1123         | rBV      | 475898         | 841005        | 21.22%          | 2.496%        |
| 12        | 10.033      | 1191          | 1198        | 1221         | rBV      | 454426         | 1134251       | 28.62%          | 3.366%        |
| 13        | 10.398      | 1251          | 1260        | 1271         | rBV      | 689130         | 1157324       | 29.21%          | 3.435%        |
| 14        | 12.033      | 1533          | 1538        | 1545         | rVB6     | 5376           | 12147         | 0.31%           | 0.036%        |
| 15        | 13.692      | 1814          | 1820        | 1833         | rBV      | 1310430        | 1908808       | 48.17%          | 5.665%        |
| 16        | 13.963      | 1860          | 1866        | 1881         | rBV      | 1576907        | 2325079       | 58.67%          | 6.901%        |
| 17        | 14.274      | 1912          | 1919        | 1933         | rVB2     | 944730         | 1454950       | 36.72%          | 4.318%        |
| 18        | 14.551      | 1960          | 1966        | 1975         | rBV5     | 15845          | 51982         | 1.31%           | 0.154%        |
| 19        | 15.274      | 2082          | 2089        | 2102         | rBV      | 1951125        | 2853511       | 72.01%          | 8.469%        |
| 20        | 15.363      | 2102          | 2104        | 2107         | rVV2     | 4592           | 5514          | 0.14%           | 0.016%        |
| 21        | 15.415      | 2107          | 2113        | 2124         | rVV      | 486356         | 785399        | 19.82%          | 2.331%        |
| 22        | 15.521      | 2126          | 2131        | 2138         | rVB3     | 23517          | 36846         | 0.93%           | 0.109%        |
| 23        | 16.062      | 2220          | 2223        | 2229         | rVB3     | 5773           | 7430          | 0.19%           | 0.022%        |
| 24        | 17.033      | 2381          | 2388        | 2398         | rBV2     | 1158126        | 1652974       | 41.71%          | 4.906%        |
| 25        | 17.127      | 2398          | 2404        | 2420         | rVV      | 2109779        | 3126914       | 78.91%          | 9.280%        |
| 26        | 17.927      | 2535          | 2540        | 2547         | rBV6     | 9620           | 22075         | 0.56%           | 0.066%        |
| 27        | 18.439      | 2622          | 2627        | 2628         | rBV4     | 2711           | 4433          | 0.11%           | 0.013%        |
| 28        | 18.556      | 2642          | 2647        | 2651         | rBV6     | 2299           | 4228          | 0.11%           | 0.013%        |
| 29        | 19.074      | 2731          | 2735        | 2741         | rBV4     | 13785          | 23593         | 0.60%           | 0.070%        |
| 30        | 19.215      | 2756          | 2759        | 2762         | rBV4     | 6533           | 9510          | 0.24%           | 0.028%        |
| 31        | 19.327      | 2773          | 2778        | 2783         | rBV2     | 16283          | 24030         | 0.61%           | 0.071%        |
| 32        | 19.439      | 2791          | 2797        | 2808         | rBV      | 2490214        | 3453113       | 87.14%          | 10.248%       |
| 33        | 21.239      | 3097          | 3103        | 3115         | rBV      | 1256535        | 1893033       | 47.77%          | 5.618%        |
| 34        | 21.803      | 3196          | 3199        | 3204         | rBV2     | 55893          | 66010         | 1.67%           | 0.196%        |

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Max Peaks: 100  
Peak Location: TOP

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

Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM032219MA.M  
Title : SVOA CALIBRATION

|    |        |      |      |      |     |         |         |         |         |
|----|--------|------|------|------|-----|---------|---------|---------|---------|
| 35 | 22.256 | 3273 | 3276 | 3281 | rVB | 122030  | 153936  | 3.88%   | 0.457%  |
| 36 | 22.756 | 3357 | 3361 | 3368 | rVB | 137610  | 203265  | 5.13%   | 0.603%  |
| 37 | 23.315 | 3449 | 3456 | 3467 | rBV | 2257334 | 3962719 | 100.00% | 11.761% |
| 38 | 23.456 | 3474 | 3480 | 3494 | rVB | 994969  | 1933951 | 48.80%  | 5.740%  |
| 39 | 23.944 | 3560 | 3563 | 3573 | rVB | 147631  | 256798  | 6.48%   | 0.762%  |

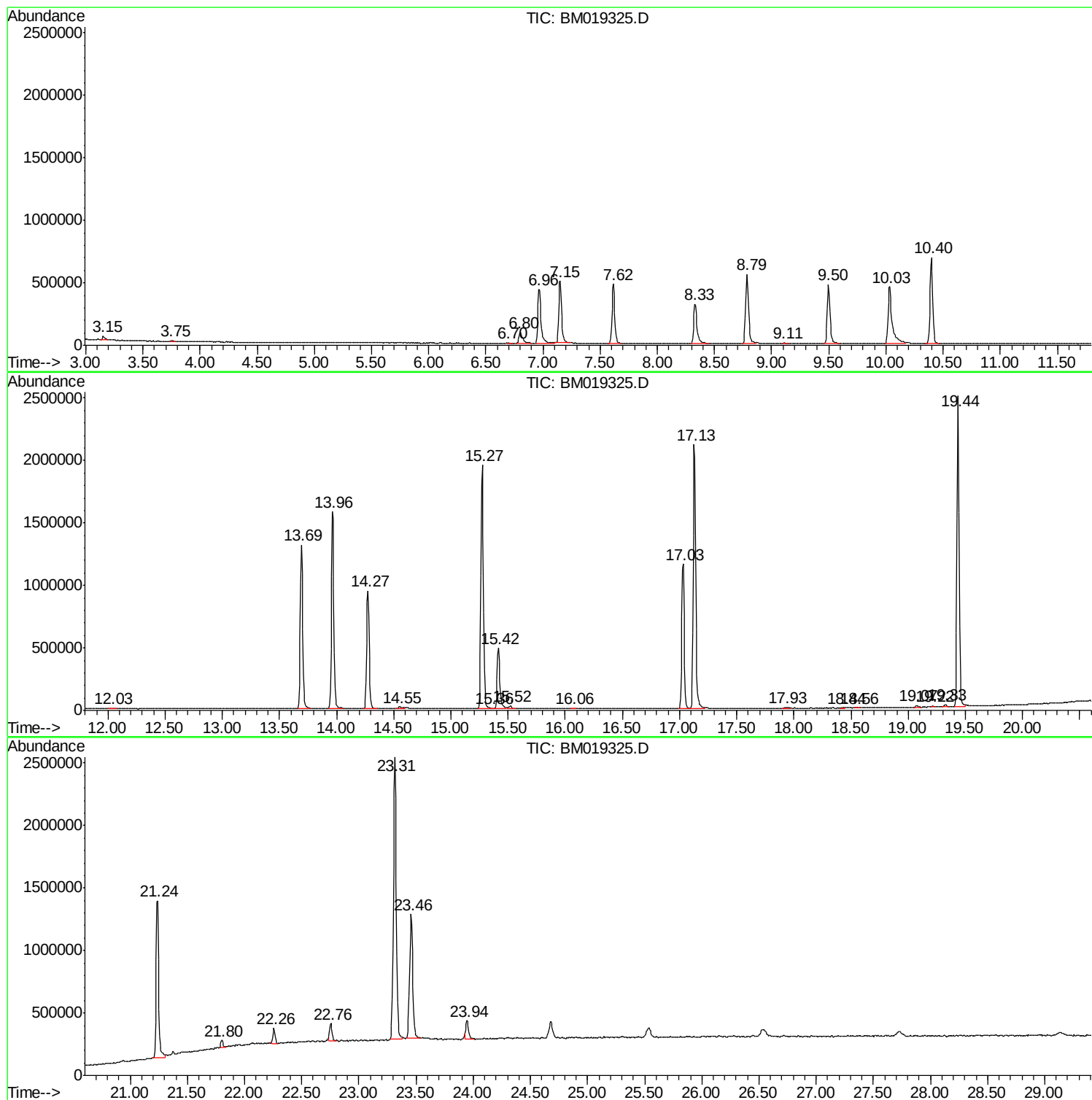
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM032219MA.M  
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P



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Quant Title : SVOA CALIBRATION

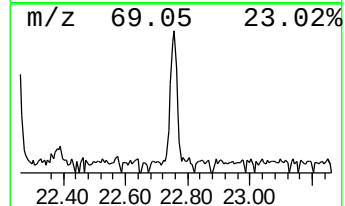
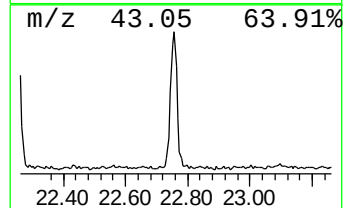
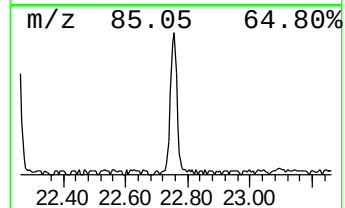
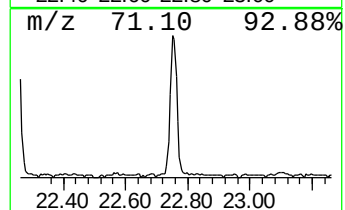
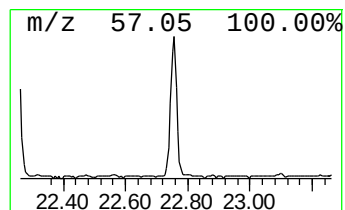
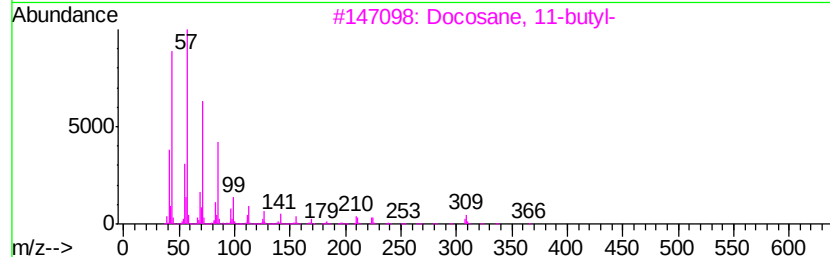
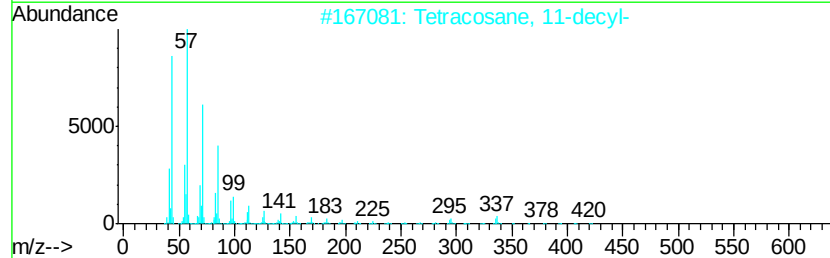
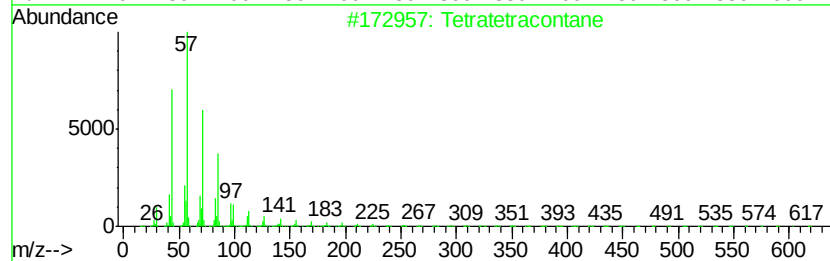
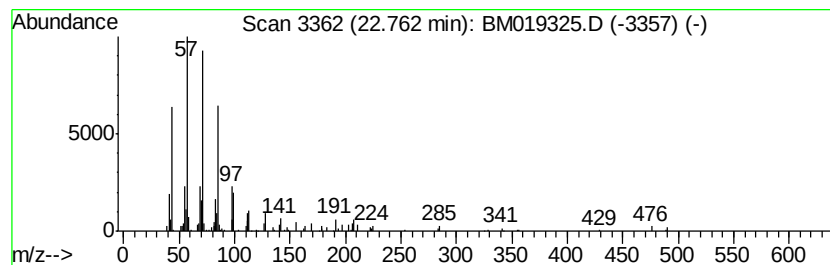
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 1 (DEL) Alkane: Straight-Chai... Concentration Rank 2

| R.T.  | EstConc    | Area   | Relative to ISTD | R.T.  |
|-------|------------|--------|------------------|-------|
| 22.76 | 2.10 ng/ul | 203265 | Perylene-d12     | 23.46 |

| Hit# | of | Tentative ID           | MW  | MolForm | CAS#        | Qual |
|------|----|------------------------|-----|---------|-------------|------|
| 1    | 5  | Tetratetracontane      | 619 | C44H90  | 007098-22-8 | 91   |
| 2    |    | Tetracosane, 11-decyl- | 479 | C34H70  | 055429-84-0 | 91   |
| 3    |    | Docosane, 11-butyl-    | 366 | C26H54  | 013475-76-8 | 91   |
| 4    |    | Heptacosane            | 380 | C27H56  | 000593-49-7 | 91   |
| 5    |    | Docosane, 11-decyl-    | 451 | C32H66  | 055401-55-3 | 91   |



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Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM032219MA.M  
Quant Title : SVOA CALIBRATION

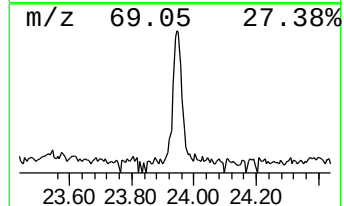
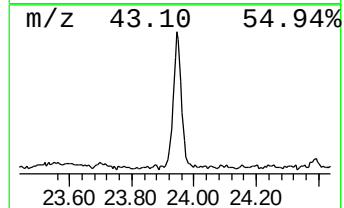
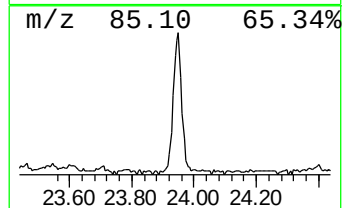
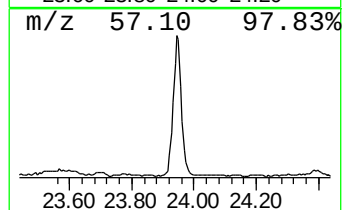
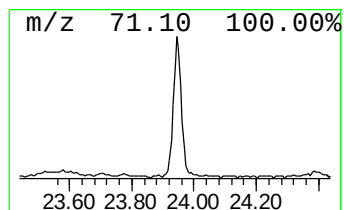
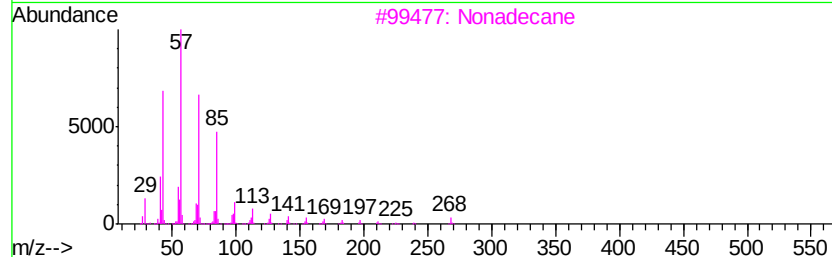
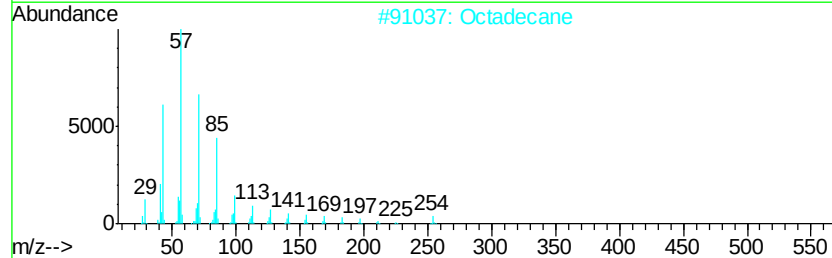
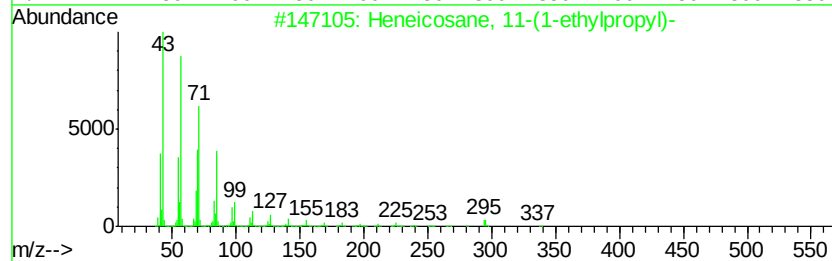
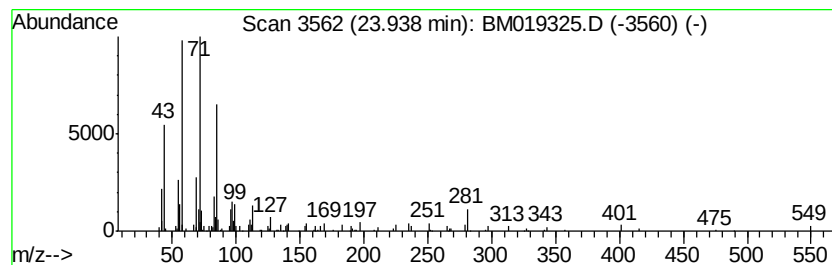
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Peak Number 2 (DEL) Alkane: Straight-Chai... Concentration Rank 1

| R.T.  | EstConc    | Area   | Relative to ISTD | R.T.  |
|-------|------------|--------|------------------|-------|
| 23.94 | 2.66 ng/ul | 256798 | Perylene-d12     | 23.46 |

| Hit# | of | Tentative ID                     | MW  | MolForm | CAS#        | Qual |
|------|----|----------------------------------|-----|---------|-------------|------|
| 1    | 5  | Heneicosane, 11-(1-ethylpropyl)- | 366 | C26H54  | 055282-11-6 | 90   |
| 2    |    | Octadecane                       | 254 | C18H38  | 000593-45-3 | 87   |
| 3    |    | Nonadecane                       | 268 | C19H40  | 000629-92-5 | 86   |
| 4    |    | Heptacosane                      | 380 | C27H56  | 000593-49-7 | 74   |
| 5    |    | Eicosane                         | 282 | C20H42  | 000112-95-8 | 72   |



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|                      |       |         |       |          | --Internal Standard-- |       |         |      |
|----------------------|-------|---------|-------|----------|-----------------------|-------|---------|------|
| TIC Top Hit name     | RT    | EstConc | Units | Response | #                     | RT    | Resp    | Conc |
| (DEL) Alkane: Str... | 22.76 | 2.1     | ng/ul | 203265   | 6                     | 23.46 | 1933950 | 20.0 |
| (DEL) Alkane: Str... | 23.94 | 2.7     | ng/ul | 256798   | 6                     | 23.46 | 1933950 | 20.0 |