

Data Path : Z:\HPCHEM1\BNA\_M\DATA\BM070216\  
 Data File : BM006215.D  
 Acq On : 03 Jul 2016 00:44  
 Operator : UM/SJ  
 Sample : H3797-21  
 Misc :  
 ALS Vial : 25 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 BDHS0

## Integration Parameters: LSCINT.P

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

Filtering: 5  
 Min Area: 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:\HPCHEM1\BNA\_M\METHODS\SOM02.2-EPA-BM070216.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         | 6.828       | 710           | 721         | 736          | rBV      | 1207399        | 2146097       | 30.85%          | 2.526%        |
| 2         | 6.986       | 741           | 748         | 760          | rVB      | 983731         | 1532158       | 22.03%          | 1.803%        |
| 3         | 7.181       | 774           | 781         | 790          | rBV      | 1238026        | 1999307       | 28.74%          | 2.353%        |
| 4         | 7.645       | 853           | 860         | 877          | rVB      | 1229506        | 2046366       | 29.42%          | 2.409%        |
| 5         | 8.357       | 974           | 981         | 996          | rVB      | 1525933        | 2609379       | 37.51%          | 3.071%        |
| 6         | 8.804       | 1049          | 1057        | 1071         | rBV      | 1241085        | 2143898       | 30.82%          | 2.524%        |
| 7         | 9.516       | 1171          | 1178        | 1192         | rBV      | 1040977        | 1858121       | 26.71%          | 2.187%        |
| 8         | 10.057      | 1262          | 1270        | 1285         | rVB      | 1492751        | 2668215       | 38.36%          | 3.141%        |
| 9         | 10.427      | 1325          | 1333        | 1346         | rBV      | 1869359        | 3280895       | 47.17%          | 3.862%        |
| 10        | 10.569      | 1349          | 1357        | 1374         | rBV      | 1494749        | 2747163       | 39.49%          | 3.234%        |
| 11        | 13.710      | 1884          | 1891        | 1895         | rBV      | 2737873        | 4110729       | 59.10%          | 4.839%        |
| 12        | 13.757      | 1895          | 1899        | 1910         | rVB      | 1219628        | 1783824       | 25.65%          | 2.100%        |
| 13        | 13.992      | 1927          | 1939        | 1953         | rBV      | 2960239        | 4883388       | 70.21%          | 5.748%        |
| 14        | 14.298      | 1984          | 1991        | 2002         | rVB2     | 2661774        | 4446943       | 63.93%          | 5.234%        |
| 15        | 14.515      | 2021          | 2028        | 2040         | rBV      | 1209994        | 1985971       | 28.55%          | 2.338%        |
| 16        | 14.727      | 2058          | 2064        | 2069         | rBV      | 60952          | 92608         | 1.33%           | 0.109%        |
| 17        | 15.298      | 2154          | 2161        | 2168         | rBV      | 3885701        | 5916289       | 85.06%          | 6.964%        |
| 18        | 15.427      | 2177          | 2183        | 2194         | rBV      | 1143843        | 1678688       | 24.13%          | 1.976%        |
| 19        | 15.539      | 2197          | 2202        | 2206         | rBV2     | 49569          | 83347         | 1.20%           | 0.098%        |
| 20        | 16.021      | 2280          | 2284        | 2287         | rBV      | 68964          | 107346        | 1.54%           | 0.126%        |
| 21        | 16.815      | 2415          | 2419        | 2425         | rBV2     | 144508         | 232899        | 3.35%           | 0.274%        |
| 22        | 17.051      | 2452          | 2459        | 2467         | rBV      | 3555506        | 5303107       | 76.24%          | 6.242%        |
| 23        | 17.151      | 2468          | 2476        | 2486         | rVB2     | 3987022        | 6290728       | 90.44%          | 7.405%        |
| 24        | 17.550      | 2540          | 2544        | 2554         | rVB      | 91363          | 142816        | 2.05%           | 0.168%        |
| 25        | 18.021      | 2619          | 2624        | 2628         | rBV      | 62179          | 77540         | 1.11%           | 0.091%        |
| 26        | 19.080      | 2800          | 2804        | 2807         | rBV      | 58984          | 77206         | 1.11%           | 0.091%        |
| 27        | 19.333      | 2842          | 2847        | 2853         | rBV2     | 53003          | 85548         | 1.23%           | 0.101%        |
| 28        | 19.450      | 2860          | 2867        | 2874         | rBV      | 4790466        | 6955812       | 100.00%         | 8.188%        |
| 29        | 20.962      | 3120          | 3124        | 3133         | rBV      | 296460         | 476564        | 6.85%           | 0.561%        |
| 30        | 21.162      | 3154          | 3158        | 3162         | rBV      | 199413         | 237431        | 3.41%           | 0.279%        |
| 31        | 21.244      | 3166          | 3172        | 3177         | rBV      | 4241023        | 5817677       | 83.64%          | 6.848%        |
| 32        | 22.280      | 3346          | 3348        | 3354         | rVB      | 95964          | 125443        | 1.80%           | 0.148%        |
| 33        | 22.409      | 3366          | 3370        | 3377         | rVB      | 400232         | 536856        | 7.72%           | 0.632%        |
| 34        | 22.785      | 3430          | 3434        | 3440         | rBV2     | 109469         | 168715        | 2.43%           | 0.199%        |

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Max Peaks: 100  
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|    |        |      |      |      |      |         |         |        |        |
|----|--------|------|------|------|------|---------|---------|--------|--------|
| 35 | 23.321 | 3518 | 3525 | 3537 | rVB2 | 2751714 | 5429961 | 78.06% | 6.392% |
| 36 | 23.462 | 3542 | 3549 | 3556 | rVB  | 2395706 | 4574270 | 65.76% | 5.384% |
| 37 | 23.968 | 3632 | 3635 | 3646 | rVB2 | 160556  | 302130  | 4.34%  | 0.356% |

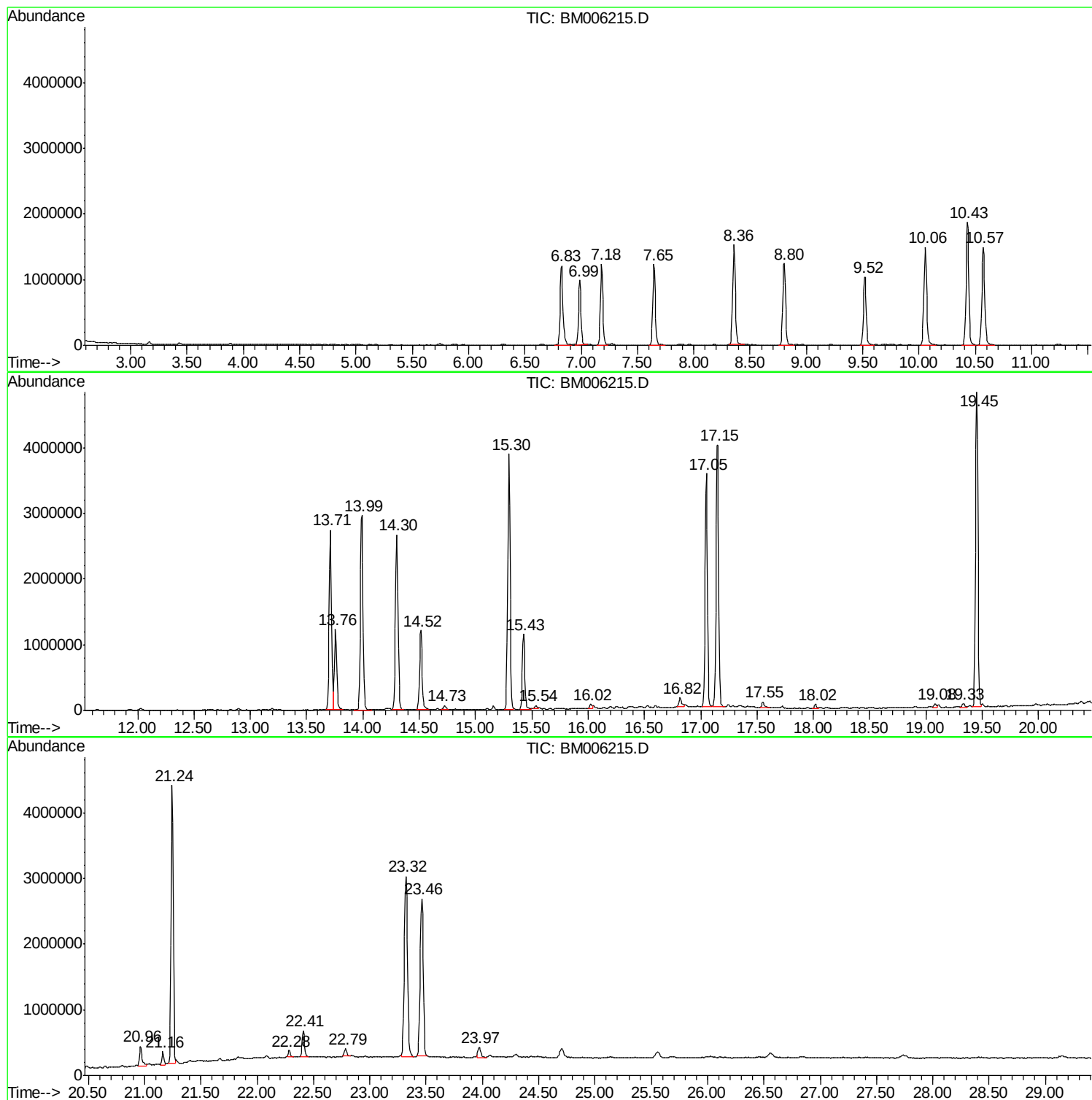
Sum of corrected areas: 84955435

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Quant Method : Z:\HPCHEM1\BNA\_M\METHODS\SOM02.2-EPA-BM070216.M  
Quant Title : SVOA CALIBRATION

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



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Peak Number 1 Squalene Concentration Rank 1

| R.T.  | EstConc    | Area   | Relative to ISTD | R.T.  |
|-------|------------|--------|------------------|-------|
| 22.41 | 2.35 ng/ul | 536856 | Perylene-d12     | 23.46 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm | CAS#        | Qual |
|------|----|---|-------------------------------------|-----|---------|-------------|------|
| 1    |    |   | Squalene                            | 410 | C30H50  | 007683-64-9 | 91   |
| 2    |    |   | Squalene                            | 410 | C30H50  | 007683-64-9 | 91   |
| 3    |    |   | 2,6,10,14,18,22-Tetracosahexaene... | 410 | C30H50  | 000111-02-4 | 90   |
| 4    |    |   | 4,9,13,17-Tetramethyl-4,8,12,16-... | 316 | C22H36O | 056882-09-8 | 83   |
| 5    |    |   | 2,6,10,14,18,22-Tetracosahexaene... | 410 | C30H50  | 000111-02-4 | 78   |

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| TIC Top Hit name | RT    | EstConc | Units | Response | --Internal Standard-- |       |         |      |
|------------------|-------|---------|-------|----------|-----------------------|-------|---------|------|
|                  |       |         |       |          | #                     | RT    | Resp    | Conc |
| Squalene         | 22.41 | 2.4     | ng/ul | 536856   | 6                     | 23.46 | 4574270 | 20.0 |