

Data Path : Z:\HPCHEM1\BNA M\DATA\BM121716\  
 Data File : BM008390.D  
 Acq On : 17 Dec 2016 01:15  
 Operator : UM/SJ  
 Sample : H6067-01  
 Misc :  
 ALS Vial : 16 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 DA791

## 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-2016\SOM02.2-EPA-BM121416.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         | 2.893       | 47            | 52          | 55           | rBV      | 33953          | 45654         | 1.19%           | 0.128%        |
| 2         | 3.228       | 106           | 109         | 115          | rBV      | 33595          | 47188         | 1.23%           | 0.132%        |
| 3         | 6.852       | 719           | 725         | 744          | rBV      | 486293         | 1015262       | 26.51%          | 2.842%        |
| 4         | 7.010       | 746           | 752         | 764          | rVV      | 426014         | 699477        | 18.26%          | 1.958%        |
| 5         | 7.199       | 778           | 784         | 796          | rBV      | 587861         | 990360        | 25.86%          | 2.772%        |
| 6         | 7.663       | 857           | 863         | 874          | rBV      | 401783         | 685566        | 17.90%          | 1.919%        |
| 7         | 8.375       | 978           | 984         | 999          | rBV      | 605856         | 1150218       | 30.03%          | 3.220%        |
| 8         | 8.822       | 1054          | 1060        | 1073         | rBV      | 513656         | 936940        | 24.46%          | 2.623%        |
| 9         | 9.540       | 1175          | 1182        | 1199         | rBV      | 439267         | 808649        | 21.11%          | 2.264%        |
| 10        | 10.075      | 1267          | 1273        | 1297         | rBV      | 519852         | 1188321       | 31.03%          | 3.327%        |
| 11        | 10.434      | 1328          | 1334        | 1349         | rVB      | 541190         | 953922        | 24.91%          | 2.670%        |
| 12        | 10.598      | 1355          | 1362        | 1381         | rBV      | 424723         | 1028431       | 26.85%          | 2.879%        |
| 13        | 13.722      | 1885          | 1893        | 1898         | rBV      | 1205958        | 1756836       | 45.87%          | 4.918%        |
| 14        | 13.769      | 1898          | 1901        | 1916         | rVB      | 236919         | 381378        | 9.96%           | 1.068%        |
| 15        | 13.992      | 1932          | 1939        | 1953         | rBV      | 1366368        | 2108740       | 55.06%          | 5.903%        |
| 16        | 14.304      | 1985          | 1992        | 1999         | rBV      | 794457         | 1223022       | 31.93%          | 3.424%        |
| 17        | 14.569      | 2032          | 2037        | 2057         | rBV      | 181799         | 639666        | 16.70%          | 1.791%        |
| 18        | 14.722      | 2061          | 2063        | 2074         | rVB5     | 15942          | 38937         | 1.02%           | 0.109%        |
| 19        | 15.151      | 2131          | 2136        | 2141         | rVB2     | 48557          | 63996         | 1.67%           | 0.179%        |
| 20        | 15.304      | 2155          | 2162        | 2169         | rBV      | 1698238        | 2574824       | 67.23%          | 7.208%        |
| 21        | 15.463      | 2184          | 2189        | 2199         | rBV      | 374430         | 667616        | 17.43%          | 1.869%        |
| 22        | 15.545      | 2199          | 2203        | 2216         | rVB4     | 44120          | 99164         | 2.59%           | 0.278%        |
| 23        | 16.010      | 2278          | 2282        | 2290         | rBV      | 57870          | 100115        | 2.61%           | 0.280%        |
| 24        | 16.804      | 2413          | 2417        | 2421         | rBV      | 53586          | 65032         | 1.70%           | 0.182%        |
| 25        | 17.057      | 2454          | 2460        | 2471         | rBV      | 1027278        | 1474270       | 38.49%          | 4.127%        |
| 26        | 17.157      | 2471          | 2477        | 2489         | rVV2     | 1906717        | 2892686       | 75.53%          | 8.098%        |
| 27        | 17.545      | 2538          | 2543        | 2547         | rVB2     | 39968          | 51716         | 1.35%           | 0.145%        |
| 28        | 17.951      | 2606          | 2612        | 2620         | rBV2     | 72146          | 124384        | 3.25%           | 0.348%        |
| 29        | 19.233      | 2826          | 2830        | 2837         | rBV7     | 30376          | 52499         | 1.37%           | 0.147%        |
| 30        | 19.457      | 2862          | 2868        | 2878         | rBV      | 2421067        | 3576361       | 93.38%          | 10.012%       |
| 31        | 20.951      | 3119          | 3122        | 3128         | rBV2     | 132461         | 197263        | 5.15%           | 0.552%        |
| 32        | 21.256      | 3169          | 3174        | 3184         | rBV      | 1387714        | 2030435       | 53.01%          | 5.684%        |
| 33        | 22.403      | 3365          | 3369        | 3375         | rVB      | 199679         | 267479        | 6.98%           | 0.749%        |
| 34        | 23.345      | 3522          | 3529        | 3540         | rVB2     | 1964471        | 3830030       | 100.00%         | 10.722%       |

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Max Peaks: 100  
Peak Location: TOP

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Peak separation: 5

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|    |        |      |      |      |     |        |         |        |        |
|----|--------|------|------|------|-----|--------|---------|--------|--------|
| 35 | 23.486 | 3547 | 3553 | 3563 | rVB | 949145 | 1955402 | 51.05% | 5.474% |
|----|--------|------|------|------|-----|--------|---------|--------|--------|

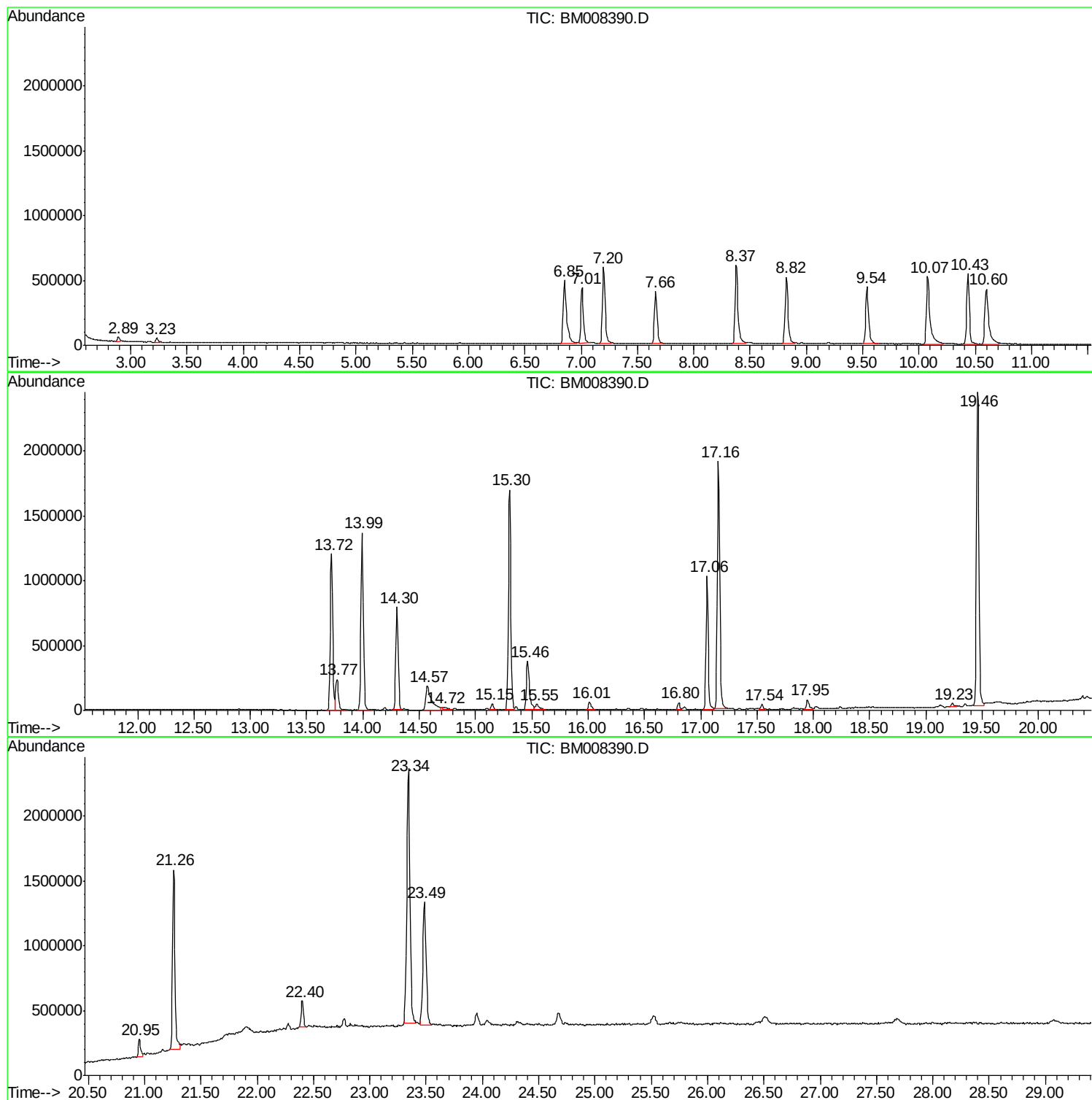
Sum of corrected areas: 35721839

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Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM02.2-EPA-2016\SOM02.2-EPA-BM121416.M  
Quant Title : SVOA CALIBRATION

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



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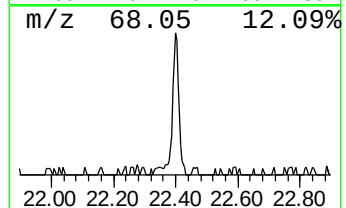
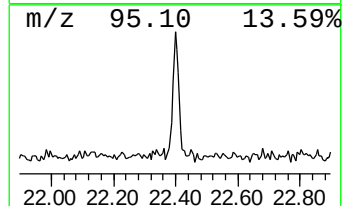
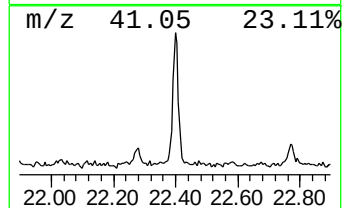
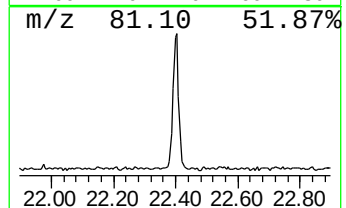
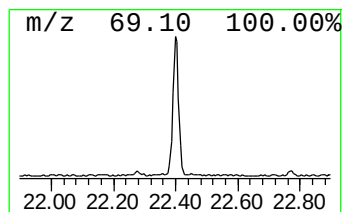
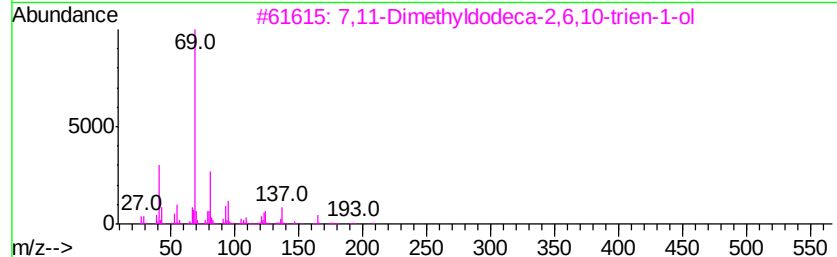
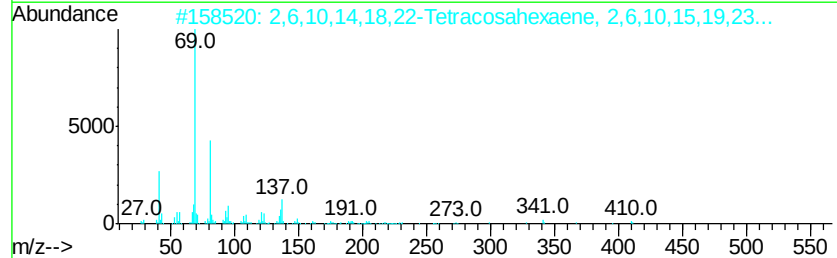
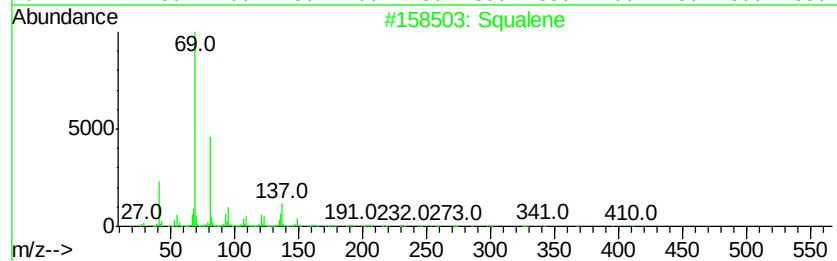
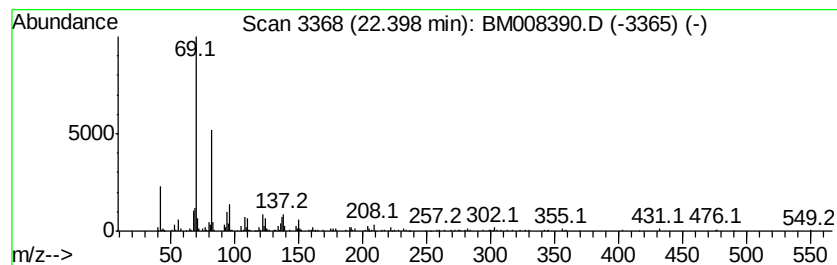
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Peak Number 1 Squalene Concentration Rank 1

| R.T.    | EstConc                             | Area         | Relative to ISTD | R.T.           |
|---------|-------------------------------------|--------------|------------------|----------------|
| 22.40   | 2.74 ng/ul                          | 267479       | Perylene-d12     | 23.49          |
| Hit# of | 5                                   | Tentative ID | MW MolForm       | CAS# Qual      |
| 1       | Squalene                            |              | 410 C30H50       | 007683-64-9 83 |
| 2       | 2,6,10,14,18,22-Tetracosahexaene... |              | 410 C30H50       | 000111-02-4 80 |
| 3       | 7,11-Dimethyldodeca-2,6,10-trien... |              | 208 C14H240      | 125529-10-4 72 |
| 4       | 4,8,12-Tetradecatrienal, 5,9,13-... |              | 248 C17H280      | 066408-55-7 72 |
| 5       | Hexadeca-2,6,10,14-tetraen-1-ol,... |              | 290 C20H340      | 007614-21-3 64 |



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| TIC Top Hit name | RT    | EstConc | Units | Response | --Internal Standard-- |       |         |      |
|------------------|-------|---------|-------|----------|-----------------------|-------|---------|------|
|                  |       |         |       |          | #                     | RT    | Resp    | Conc |
| Squalene         | 22.40 | 2.7     | ng/ul | 267479   | 6                     | 23.49 | 1955400 | 20.0 |