

Data Path : Z:\HPCHEM1\BNA M\DATA\BM020118\  
 Data File : BM014081.D  
 Acq On : 01 Feb 2018 19:46  
 Operator : SJ/JU  
 Sample : J1316-10  
 Misc :  
 ALS Vial : 12 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 F6D41

## 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\SOM-EPA-BM013118.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         | 6.746       | 633           | 639         | 651          | rBV      | 271548         | 560554        | 24.96%          | 2.378%        |
| 2         | 6.904       | 660           | 666         | 676          | rBV      | 210376         | 364623        | 16.23%          | 1.547%        |
| 3         | 7.093       | 691           | 698         | 713          | rVB      | 325866         | 560398        | 24.95%          | 2.378%        |
| 4         | 7.557       | 771           | 777         | 790          | rBV      | 342936         | 583982        | 26.00%          | 2.478%        |
| 5         | 8.275       | 893           | 899         | 911          | rBV      | 348012         | 651551        | 29.01%          | 2.764%        |
| 6         | 8.716       | 968           | 974         | 990          | rBV2     | 302955         | 590210        | 26.28%          | 2.504%        |
| 7         | 9.104       | 1035          | 1040        | 1046         | rVB3     | 17117          | 26416         | 1.18%           | 0.112%        |
| 8         | 9.434       | 1089          | 1096        | 1108         | rBV2     | 269063         | 518336        | 23.08%          | 2.199%        |
| 9         | 9.969       | 1180          | 1187        | 1204         | rBV2     | 347128         | 693984        | 30.90%          | 2.944%        |
| 10        | 10.328      | 1242          | 1248        | 1259         | rVB      | 488701         | 804705        | 35.83%          | 3.414%        |
| 11        | 10.487      | 1269          | 1275        | 1290         | rBV2     | 271031         | 638376        | 28.42%          | 2.708%        |
| 12        | 13.633      | 1803          | 1810        | 1815         | rBV      | 800333         | 1156941       | 51.51%          | 4.909%        |
| 13        | 13.680      | 1815          | 1818        | 1826         | rVB2     | 145106         | 246969        | 11.00%          | 1.048%        |
| 14        | 13.904      | 1849          | 1856        | 1868         | rBV      | 882058         | 1336081       | 59.49%          | 5.669%        |
| 15        | 14.122      | 1886          | 1893        | 1898         | rBV2     | 44115          | 68976         | 3.07%           | 0.293%        |
| 16        | 14.210      | 1902          | 1908        | 1922         | rVB2     | 719676         | 1108319       | 49.35%          | 4.702%        |
| 17        | 14.469      | 1946          | 1952        | 1961         | rBV2     | 125526         | 348791        | 15.53%          | 1.480%        |
| 18        | 15.074      | 2051          | 2055        | 2061         | rBV      | 58764          | 71591         | 3.19%           | 0.304%        |
| 19        | 15.216      | 2073          | 2079        | 2089         | rVB      | 1087132        | 1657601       | 73.81%          | 7.033%        |
| 20        | 15.363      | 2099          | 2104        | 2115         | rBV3     | 225590         | 425946        | 18.97%          | 1.807%        |
| 21        | 15.939      | 2197          | 2202        | 2211         | rBV4     | 52572          | 89941         | 4.00%           | 0.382%        |
| 22        | 16.733      | 2334          | 2337        | 2341         | rBV4     | 16594          | 25006         | 1.11%           | 0.106%        |
| 23        | 16.968      | 2371          | 2377        | 2385         | rBV      | 992146         | 1322679       | 58.89%          | 5.612%        |
| 24        | 17.068      | 2388          | 2394        | 2409         | rBV2     | 1209592        | 1820396       | 81.05%          | 7.724%        |
| 25        | 17.874      | 2526          | 2531        | 2541         | rBV4     | 98803          | 186487        | 8.30%           | 0.791%        |
| 26        | 19.021      | 2720          | 2726        | 2729         | rBV5     | 20363          | 35679         | 1.59%           | 0.151%        |
| 27        | 19.168      | 2747          | 2751        | 2756         | rBV4     | 57455          | 95967         | 4.27%           | 0.407%        |
| 28        | 19.374      | 2780          | 2786        | 2794         | rBV      | 1473072        | 2124776       | 94.61%          | 9.015%        |
| 29        | 20.892      | 3040          | 3044        | 3055         | rBV6     | 114203         | 198375        | 8.83%           | 0.842%        |
| 30        | 21.174      | 3087          | 3092        | 3101         | rBV      | 1090926        | 1529768       | 68.11%          | 6.490%        |
| 31        | 23.215      | 3432          | 3439        | 3452         | rBV      | 1195355        | 2245907       | 100.00%         | 9.529%        |
| 32        | 23.356      | 3457          | 3463        | 3473         | rVB      | 772899         | 1480239       | 65.91%          | 6.280%        |

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Stop Thrs : 0 Peak Location: TOP

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Title : SVOA CALIBRATION

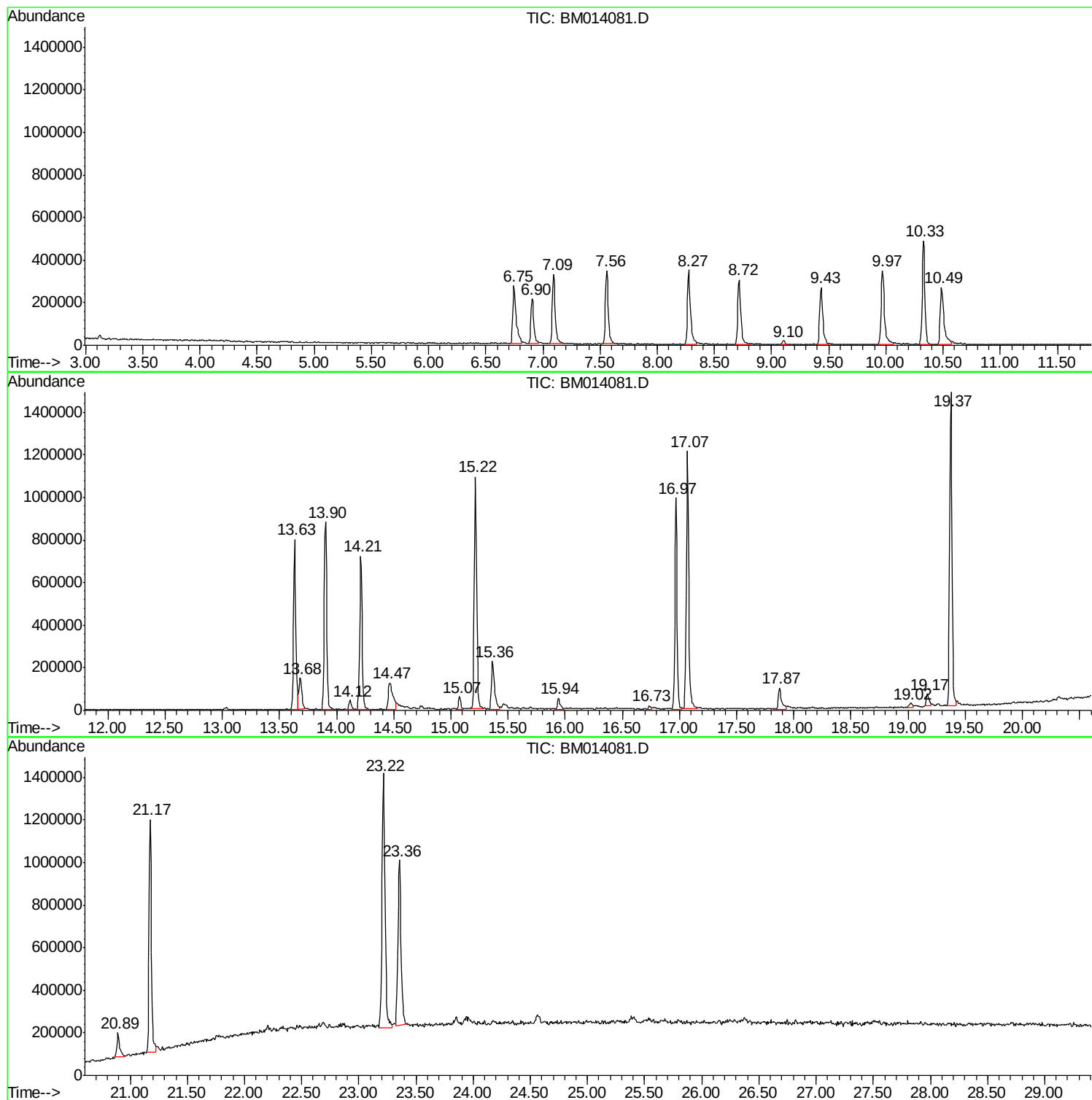
Sum of corrected areas: 23569570

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Quant Method : Z:\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM013118.M  
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P



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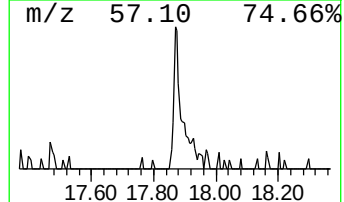
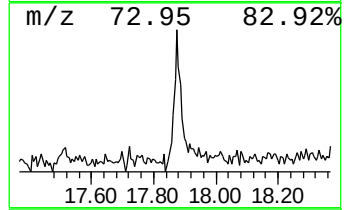
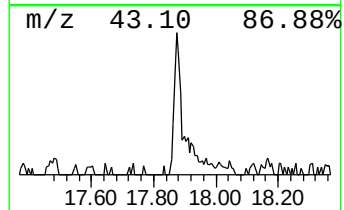
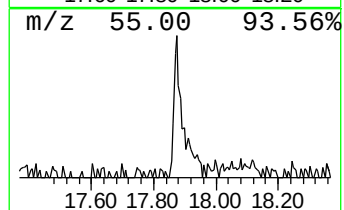
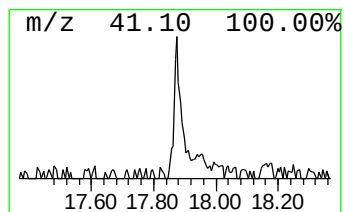
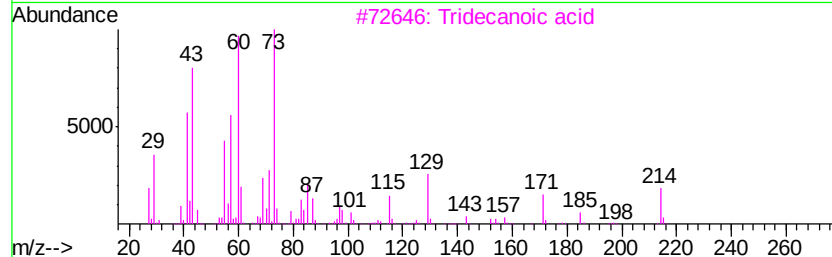
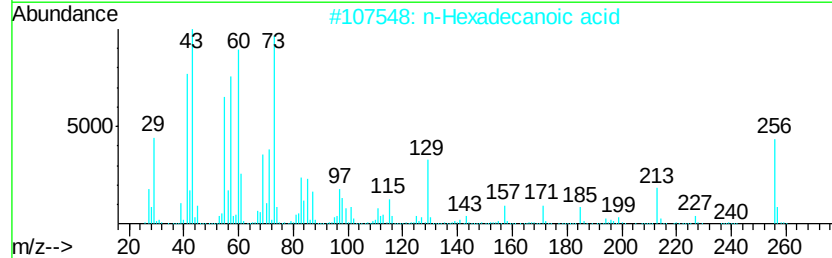
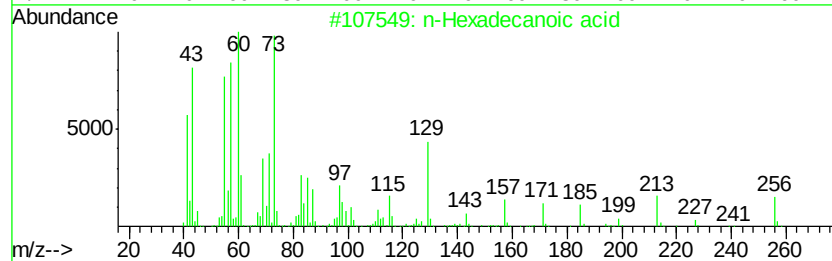
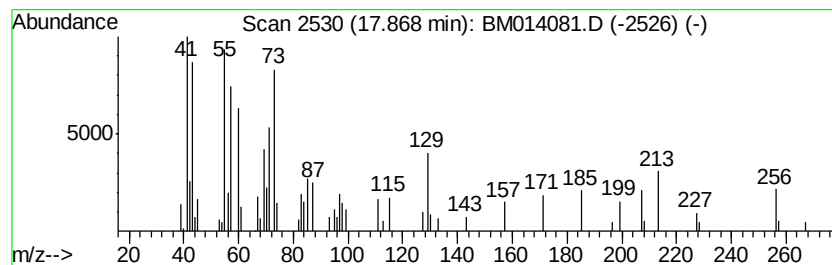
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 1 n-Hexadecanoic acid Concentration Rank 1

| R.T.  | EstConc    | Area   | Relative to ISTD | R.T.  |
|-------|------------|--------|------------------|-------|
| 17.87 | 2.82 ng/ul | 186487 | Phenanthrene-d10 | 16.97 |

| Hit# | of | 5 | Tentative ID        | MW  | MolForm  | CAS#        | Qual |
|------|----|---|---------------------|-----|----------|-------------|------|
| 1    |    |   | n-Hexadecanoic acid | 256 | C16H32O2 | 000057-10-3 | 96   |
| 2    |    |   | n-Hexadecanoic acid | 256 | C16H32O2 | 000057-10-3 | 92   |
| 3    |    |   | Tridecanoic acid    | 214 | C13H26O2 | 000638-53-9 | 53   |
| 4    |    |   | Tetradecanoic acid  | 228 | C14H28O2 | 000544-63-8 | 52   |
| 5    |    |   | n-Hexadecanoic acid | 256 | C16H32O2 | 000057-10-3 | 50   |



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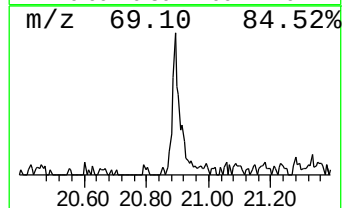
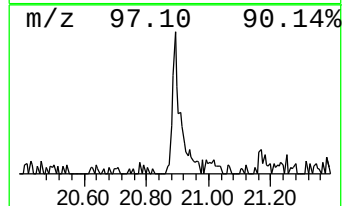
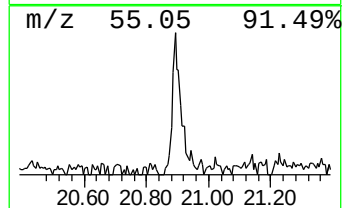
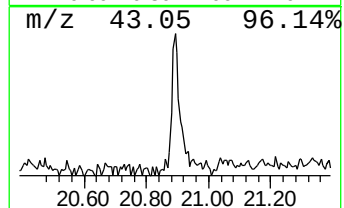
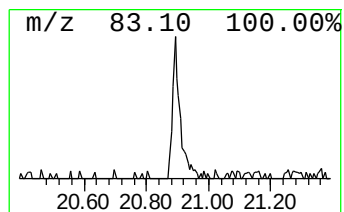
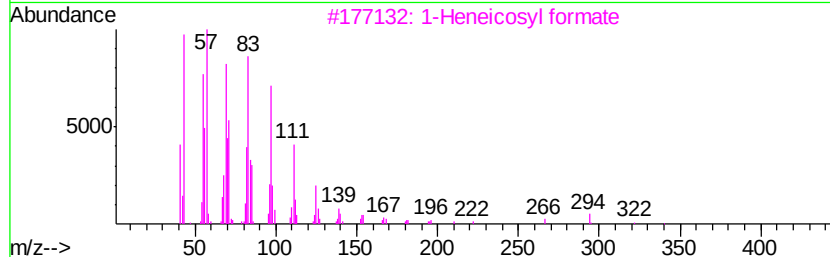
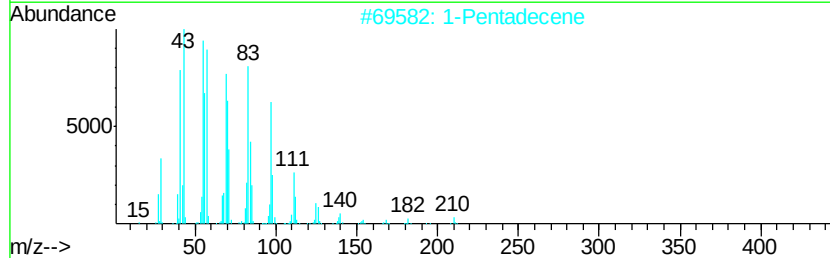
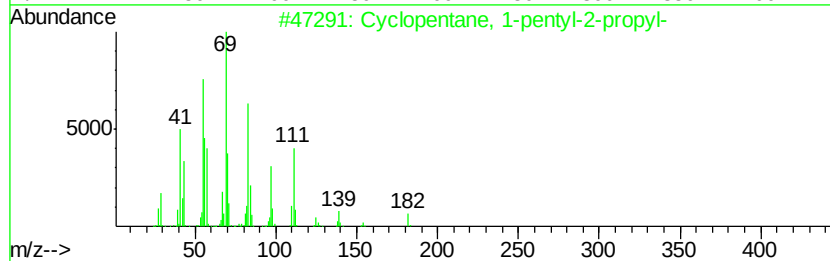
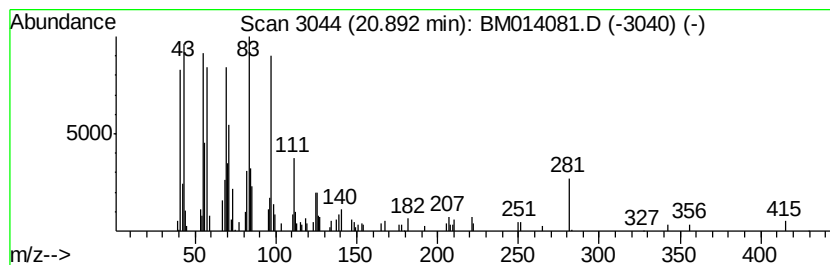
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Peak Number 2 (DEL) Alkane: Cyclic20.89 Concentration Rank 2

| R.T.    | EstConc    | Area                                | Relative to ISTD | R.T.           |
|---------|------------|-------------------------------------|------------------|----------------|
| 20.89   | 2.59 ng/ul | 198375                              | Chrysene-d12     | 21.17          |
| Hit# of | 5          | Tentative ID                        | MW MolForm       | CAS# Qual      |
| 1       |            | Cyclopentane, 1-pentyl-2-propyl-    | 182 C13H26       | 062199-51-3 83 |
| 2       |            | 1-Pentadecene                       | 210 C15H30       | 013360-61-7 76 |
| 3       |            | 1-Heneicosyl formate                | 340 C22H44O2     | 077899-03-7 60 |
| 4       |            | Trichloroacetic acid, pentadecyl... | 372 C17H31Cl3O2  | 074339-53-0 60 |
| 5       |            | Trichloroacetic acid, tetradecyl... | 358 C16H29Cl3O2  | 074339-52-9 60 |



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| TIC Top Hit name     | RT    | EstConc | Units | Response | --Internal Standard-- |       |         |      |
|----------------------|-------|---------|-------|----------|-----------------------|-------|---------|------|
|                      |       |         |       |          | #                     | RT    | Resp    | Conc |
| n-Hexadecanoic acid  | 17.87 | 2.8     | ng/ul | 186487   | 4                     | 16.97 | 1322680 | 20.0 |
| (DEL) Alkane: Cyc... | 20.89 | 2.6     | ng/ul | 198375   | 5                     | 21.17 | 1529770 | 20.0 |