

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA\_M\DATA\BM013018\  
 Data File : BM014020.D  
 Acq On : 31 Jan 2018 05:09  
 Operator : SJ/JU  
 Sample : J1314-11  
 Misc :  
 ALS Vial : 21 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 F6C48

## 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-BM011018.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         | 3.122       | 20            | 23          | 29           | rBV4     | 22077          | 32920         | 1.06%           | 0.107%        |
| 2         | 6.751       | 634           | 640         | 655          | rBV      | 387231         | 721877        | 23.31%          | 2.338%        |
| 3         | 6.910       | 662           | 667         | 679          | rVB      | 301994         | 482657        | 15.59%          | 1.563%        |
| 4         | 7.099       | 693           | 699         | 709          | rBV      | 455741         | 770237        | 24.88%          | 2.494%        |
| 5         | 7.563       | 772           | 778         | 791          | rBV      | 400278         | 681563        | 22.01%          | 2.207%        |
| 6         | 8.281       | 893           | 900         | 917          | rBV      | 476253         | 909360        | 29.37%          | 2.945%        |
| 7         | 8.722       | 968           | 975         | 986          | rBV      | 446784         | 798216        | 25.78%          | 2.585%        |
| 8         | 9.434       | 1090          | 1096        | 1111         | rBV      | 362293         | 708733        | 22.89%          | 2.295%        |
| 9         | 9.975       | 1182          | 1188        | 1203         | rBV      | 496629         | 955743        | 30.87%          | 3.095%        |
| 10        | 10.334      | 1240          | 1249        | 1258         | rBV      | 544649         | 931798        | 30.09%          | 3.017%        |
| 11        | 10.492      | 1269          | 1276        | 1290         | rBV      | 376177         | 855169        | 27.62%          | 2.769%        |
| 12        | 13.639      | 1802          | 1811        | 1815         | rBV      | 970721         | 1456222       | 47.03%          | 4.716%        |
| 13        | 13.686      | 1815          | 1819        | 1827         | rVB      | 197493         | 341593        | 11.03%          | 1.106%        |
| 14        | 13.910      | 1850          | 1857        | 1870         | rBV      | 1142145        | 1770836       | 57.19%          | 5.734%        |
| 15        | 14.122      | 1889          | 1893        | 1899         | rBV3     | 33216          | 46704         | 1.51%           | 0.151%        |
| 16        | 14.216      | 1902          | 1909        | 1922         | rBV2     | 789367         | 1238402       | 40.00%          | 4.010%        |
| 17        | 14.463      | 1946          | 1951        | 1975         | rBV2     | 186000         | 573976        | 18.54%          | 1.859%        |
| 18        | 15.080      | 2050          | 2056        | 2060         | rVV2     | 61862          | 72722         | 2.35%           | 0.235%        |
| 19        | 15.216      | 2074          | 2079        | 2091         | rBV      | 1403868        | 2140660       | 69.14%          | 6.932%        |
| 20        | 15.363      | 2099          | 2104        | 2118         | rBV      | 296134         | 555730        | 17.95%          | 1.800%        |
| 21        | 15.463      | 2118          | 2121        | 2130         | rVB5     | 20035          | 46635         | 1.51%           | 0.151%        |
| 22        | 15.945      | 2198          | 2203        | 2210         | rBV2     | 62990          | 99558         | 3.22%           | 0.322%        |
| 23        | 16.739      | 2334          | 2338        | 2341         | rBV3     | 43045          | 56501         | 1.82%           | 0.183%        |
| 24        | 16.974      | 2371          | 2378        | 2388         | rBV2     | 1058590        | 1524772       | 49.24%          | 4.937%        |
| 25        | 17.074      | 2388          | 2395        | 2407         | rVV      | 1556285        | 2350284       | 75.91%          | 7.611%        |
| 26        | 17.480      | 2459          | 2464        | 2468         | rBV4     | 25886          | 31655         | 1.02%           | 0.103%        |
| 27        | 17.880      | 2526          | 2532        | 2542         | rBV2     | 179045         | 331381        | 10.70%          | 1.073%        |
| 28        | 19.174      | 2747          | 2752        | 2759         | rBV8     | 52981          | 99728         | 3.22%           | 0.323%        |
| 29        | 19.374      | 2780          | 2786        | 2796         | rBV      | 1936573        | 2810767       | 90.78%          | 9.102%        |
| 30        | 20.898      | 3040          | 3045        | 3055         | rBV3     | 283415         | 580311        | 18.74%          | 1.879%        |
| 31        | 21.180      | 3087          | 3093        | 3101         | rBV      | 1318374        | 1928605       | 62.29%          | 6.245%        |
| 32        | 21.286      | 3109          | 3111        | 3116         | rBV4     | 35865          | 39989         | 1.29%           | 0.129%        |
| 33        | 23.221      | 3433          | 3440        | 3452         | rBV      | 1696434        | 3096330       | 100.00%         | 10.026%       |
| 34        | 23.356      | 3457          | 3463        | 3474         | rVB      | 902904         | 1839850       | 59.42%          | 5.958%        |

## LSC Area Percent Report

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ALS Vial : 21 Sample Multiplier: 1

Instrument :  
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ClientSampleId :  
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Integration Parameters: LSCINT.P  
Integrator: RTE  
Smoothing : OFF Filtering: 5  
Sampling : 1 Min Area: 1 % of largest Peak  
Start Thrs: 0.2 Max Peaks: 100  
Stop Thrs : 0 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-BM011018.M  
Title : SVOA CALIBRATION

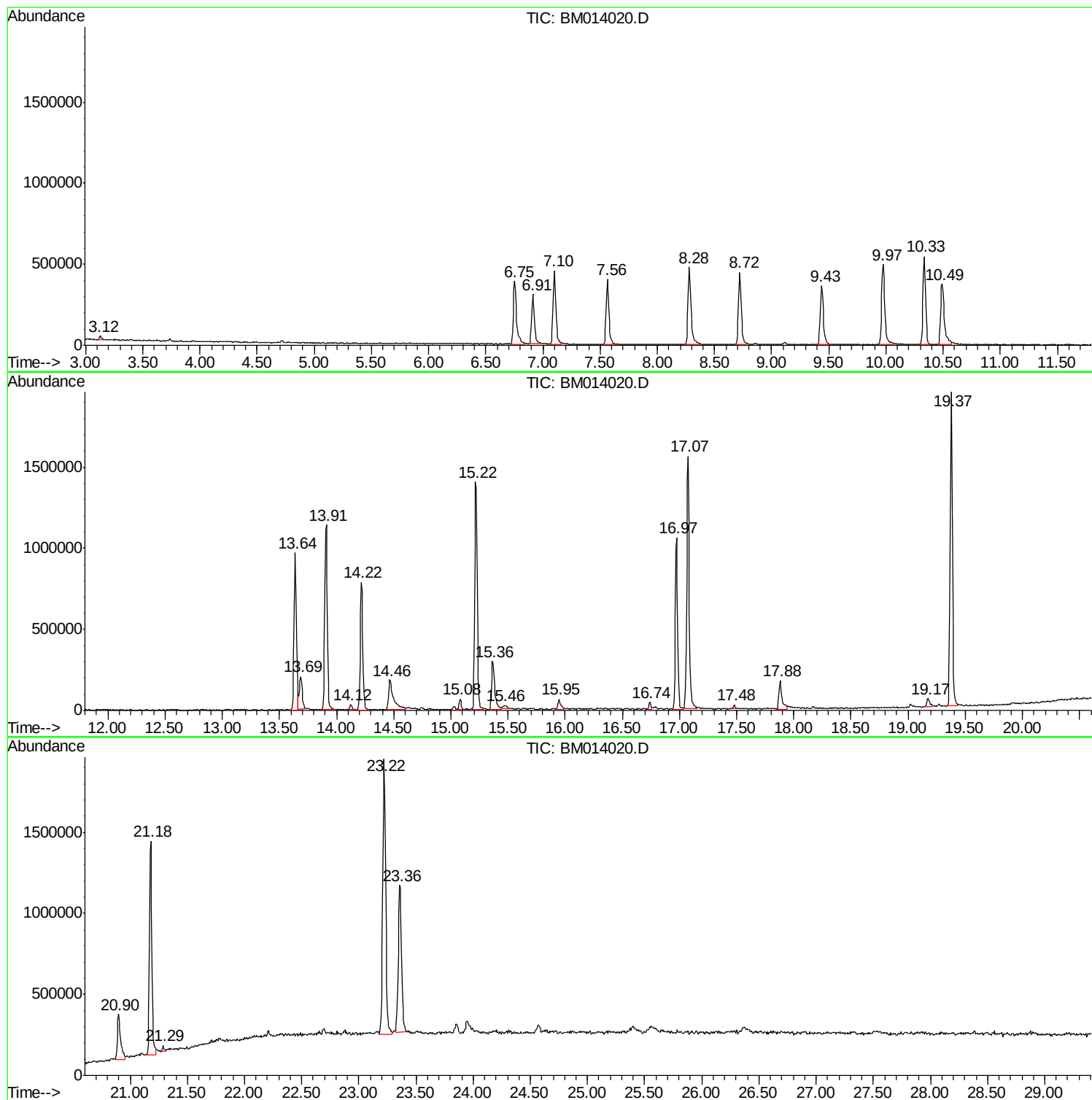
Sum of corrected areas: 30881484

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Quant Method : Z:\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM011018.M  
Quant Title : SVOA CALIBRATION

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



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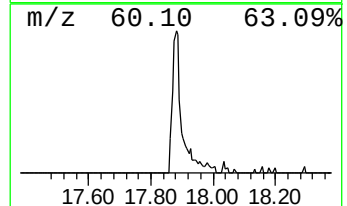
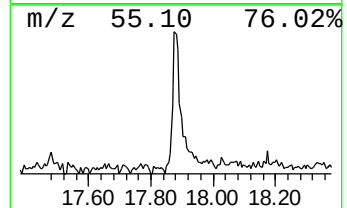
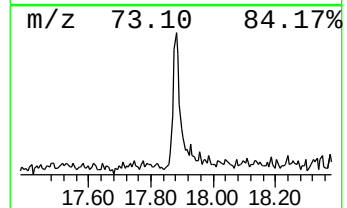
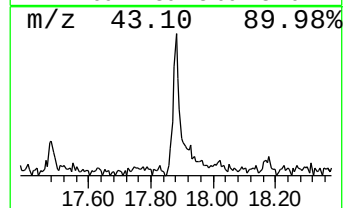
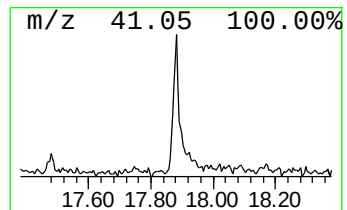
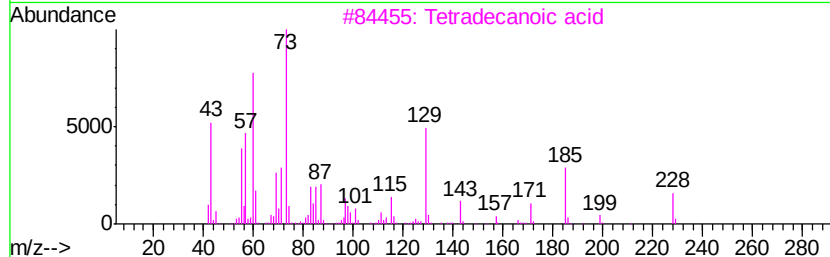
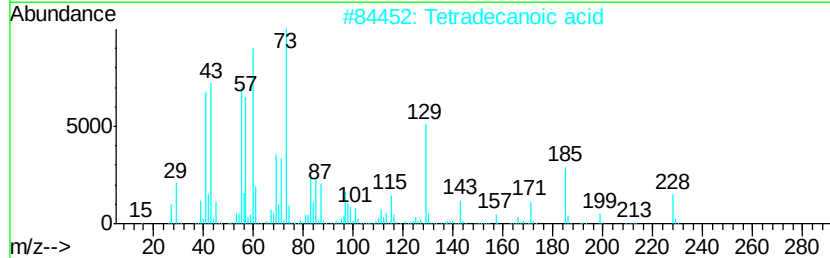
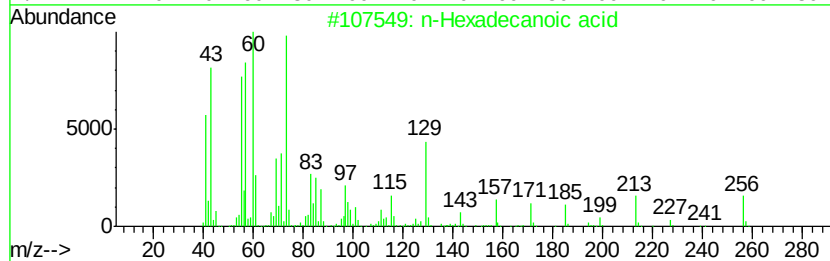
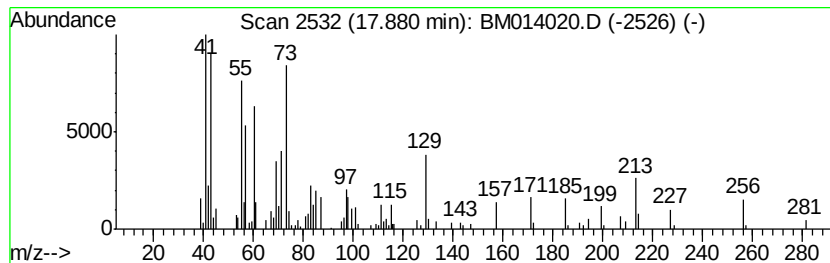
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Quant Method : Z:\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM011018.M  
Quant Title : SVOA CALIBRATION

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

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Peak Number 1 n-Hexadecanoic acid Concentration Rank 2

| R.T.    | EstConc    | Area                | Relative to ISTD | R.T.     |             |      |
|---------|------------|---------------------|------------------|----------|-------------|------|
| 17.88   | 4.35 ng/ul | 331381              | Phenanthrene-d10 | 16.97    |             |      |
| Hit# of | 5          | Tentative ID        | MW               | MolForm  | CAS#        | Qual |
| 1       |            | n-Hexadecanoic acid | 256              | C16H32O2 | 000057-10-3 | 95   |
| 2       |            | Tetradecanoic acid  | 228              | C14H28O2 | 000544-63-8 | 83   |
| 3       |            | Tetradecanoic acid  | 228              | C14H28O2 | 000544-63-8 | 83   |
| 4       |            | Tridecanoic acid    | 214              | C13H26O2 | 000638-53-9 | 78   |
| 5       |            | Tridecanoic acid    | 214              | C13H26O2 | 000638-53-9 | 64   |



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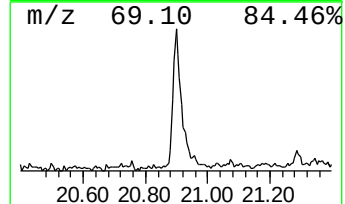
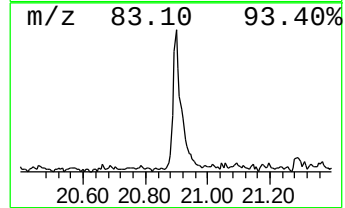
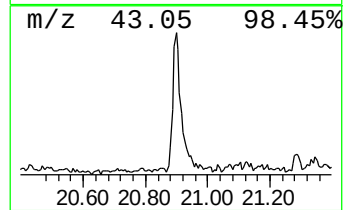
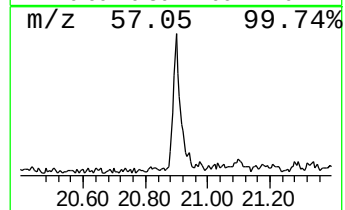
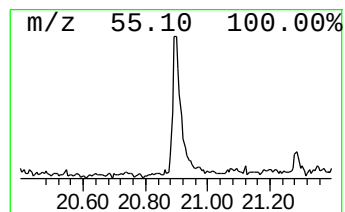
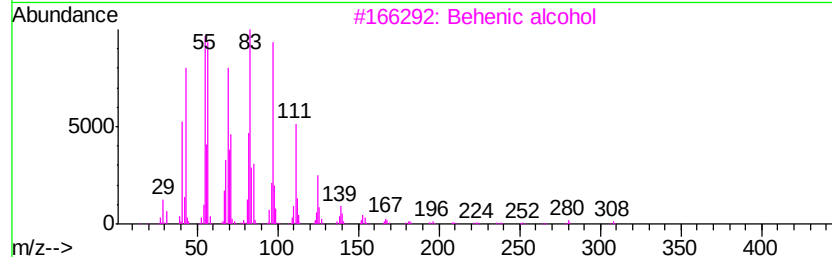
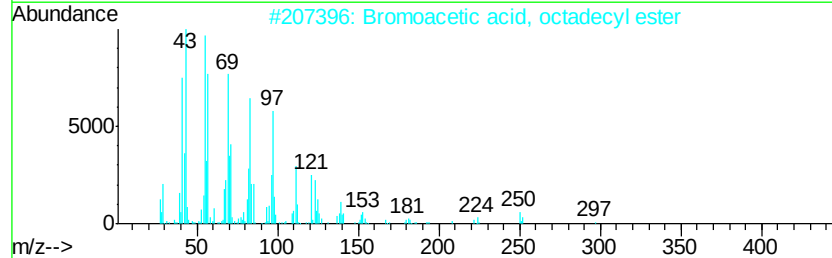
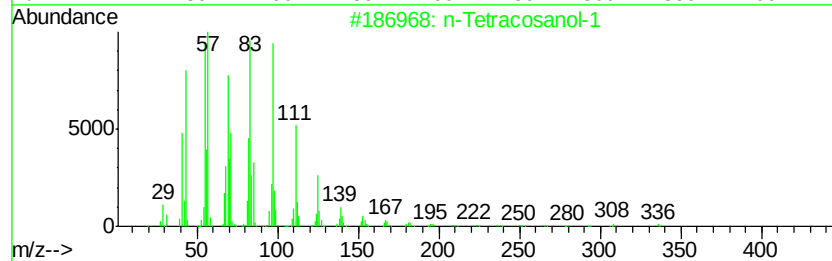
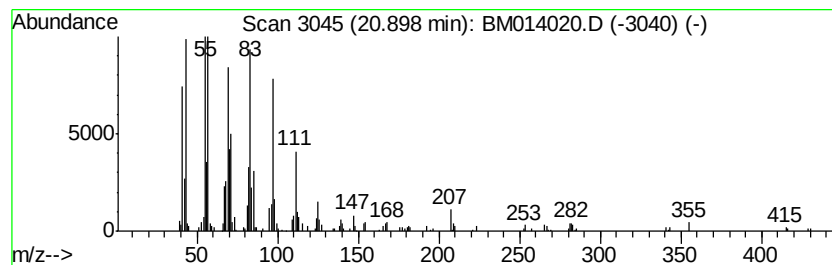
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Peak Number 2 n-Tetracosanol-1 Concentration Rank 1

| R.T.    | EstConc                           | Area           | Relative to ISTD | R.T.      |
|---------|-----------------------------------|----------------|------------------|-----------|
| 20.90   | 6.02 ng/ul                        | 580311         | Chrysene-d12     | 21.18     |
| Hit# of | 5                                 | Tentative ID   | MW MolForm       | CAS# Qual |
| 1       | n-Tetracosanol-1                  | 354 C24H50O    | 000506-51-4      | 93        |
| 2       | Bromoacetic acid, octadecyl ester | 390 C20H39BrO2 | 018992-03-5      | 91        |
| 3       | Behenic alcohol                   | 326 C22H46O    | 000661-19-8      | 91        |
| 4       | 3-Eicosene, (E)-                  | 280 C20H40     | 074685-33-9      | 91        |
| 5       | Heptadecyl heptafluorobutyrate    | 452 C21H35F7O2 | 959085-66-6      | 91        |



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| TIC Top Hit name    | RT    | EstConc | Units | Response | --Internal Standard-- |       |         |      |
|---------------------|-------|---------|-------|----------|-----------------------|-------|---------|------|
|                     |       |         |       |          | #                     | RT    | Resp    | Conc |
| n-Hexadecanoic acid | 17.88 | 4.3     | ng/ul | 331381   | 4                     | 16.97 | 1524770 | 20.0 |
| n-Tetracosanol-1    | 20.90 | 6.0     | ng/ul | 580311   | 5                     | 21.18 | 1928610 | 20.0 |