

Data Path : Z:\HPCHEM1\BNA M\DATA\BM020118\  
 Data File : BM014086.D  
 Acq On : 01 Feb 2018 22:46  
 Operator : SJ/JU  
 Sample : J1317-12  
 Misc :  
 ALS Vial : 17 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 F6D08

## 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         | 3.122       | 20            | 23          | 28           | rVB3     | 27099          | 33515         | 1.24%           | 0.102%        |
| 2         | 6.745       | 633           | 639         | 654          | rBV2     | 419264         | 848849        | 31.28%          | 2.585%        |
| 3         | 6.904       | 660           | 666         | 680          | rVB      | 318463         | 516495        | 19.04%          | 1.573%        |
| 4         | 7.093       | 691           | 698         | 714          | rBV      | 481651         | 791036        | 29.15%          | 2.409%        |
| 5         | 7.557       | 771           | 777         | 793          | rVB      | 482226         | 837475        | 30.86%          | 2.550%        |
| 6         | 8.275       | 891           | 899         | 909          | rBV      | 506603         | 959976        | 35.38%          | 2.923%        |
| 7         | 8.716       | 967           | 974         | 984          | rBV      | 460880         | 815094        | 30.04%          | 2.482%        |
| 8         | 8.851       | 992           | 997         | 1004         | rBV6     | 17977          | 35656         | 1.31%           | 0.109%        |
| 9         | 9.428       | 1089          | 1095        | 1109         | rBV2     | 392769         | 740943        | 27.31%          | 2.256%        |
| 10        | 9.969       | 1178          | 1187        | 1199         | rBV      | 511973         | 1023138       | 37.71%          | 3.115%        |
| 11        | 10.328      | 1240          | 1248        | 1256         | rBV      | 684968         | 1133842       | 41.79%          | 3.453%        |
| 12        | 10.481      | 1265          | 1274        | 1295         | rBV      | 413996         | 926917        | 34.16%          | 2.822%        |
| 13        | 13.033      | 1698          | 1708        | 1713         | rBV5     | 21278          | 39036         | 1.44%           | 0.119%        |
| 14        | 13.633      | 1802          | 1810        | 1814         | rBV      | 1067380        | 1522538       | 56.11%          | 4.636%        |
| 15        | 13.680      | 1814          | 1818        | 1825         | rVB      | 286066         | 460054        | 16.96%          | 1.401%        |
| 16        | 13.904      | 1849          | 1856        | 1866         | rBV      | 1176580        | 1798653       | 66.29%          | 5.477%        |
| 17        | 14.116      | 1888          | 1892        | 1897         | rBV2     | 61227          | 85595         | 3.15%           | 0.261%        |
| 18        | 14.210      | 1900          | 1908        | 1918         | rBV2     | 981509         | 1524997       | 56.20%          | 4.644%        |
| 19        | 14.463      | 1944          | 1951        | 1967         | rBV2     | 194637         | 577474        | 21.28%          | 1.758%        |
| 20        | 15.021      | 2041          | 2046        | 2050         | rBV      | 31670          | 41115         | 1.52%           | 0.125%        |
| 21        | 15.074      | 2050          | 2055        | 2061         | rBV      | 76102          | 98418         | 3.63%           | 0.300%        |
| 22        | 15.216      | 2073          | 2079        | 2088         | rBV      | 1420723        | 2162001       | 79.68%          | 6.583%        |
| 23        | 15.363      | 2098          | 2104        | 2117         | rBV2     | 324575         | 583261        | 21.50%          | 1.776%        |
| 24        | 15.457      | 2117          | 2120        | 2122         | rBV3     | 22555          | 29698         | 1.09%           | 0.090%        |
| 25        | 15.939      | 2197          | 2202        | 2211         | rBV3     | 63869          | 117268        | 4.32%           | 0.357%        |
| 26        | 16.733      | 2333          | 2337        | 2342         | rBV      | 46872          | 64445         | 2.38%           | 0.196%        |
| 27        | 16.786      | 2342          | 2346        | 2351         | rVB5     | 17777          | 28004         | 1.03%           | 0.085%        |
| 28        | 16.968      | 2371          | 2377        | 2387         | rBV      | 1309869        | 1858534       | 68.50%          | 5.659%        |
| 29        | 17.068      | 2387          | 2394        | 2409         | rVV      | 1633463        | 2360631       | 87.00%          | 7.188%        |
| 30        | 17.474      | 2459          | 2463        | 2467         | rBV2     | 31855          | 41193         | 1.52%           | 0.125%        |
| 31        | 17.874      | 2524          | 2531        | 2546         | rBV2     | 227091         | 435180        | 16.04%          | 1.325%        |
| 32        | 18.162      | 2577          | 2580        | 2585         | rVB6     | 30615          | 41191         | 1.52%           | 0.125%        |
| 33        | 19.021      | 2720          | 2726        | 2729         | rBV4     | 27536          | 56655         | 2.09%           | 0.173%        |
| 34        | 19.162      | 2747          | 2750        | 2759         | rBV4     | 114291         | 195571        | 7.21%           | 0.596%        |

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Misc :  
ALS Vial : 17 Sample Multiplier: 1

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Sampling : 1  
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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

|    |        |      |      |      |      |         |         |         |        |
|----|--------|------|------|------|------|---------|---------|---------|--------|
| 35 | 19.374 | 2780 | 2786 | 2793 | rBV  | 1813826 | 2635085 | 97.12%  | 8.024% |
| 36 | 19.433 | 2793 | 2796 | 2800 | rVB4 | 27113   | 28846   | 1.06%   | 0.088% |
| 37 | 20.303 | 2940 | 2944 | 2945 | rBV4 | 25434   | 32318   | 1.19%   | 0.098% |
| 38 | 20.892 | 3039 | 3044 | 3057 | rBV  | 260175  | 460250  | 16.96%  | 1.401% |
| 39 | 21.092 | 3075 | 3078 | 3082 | rVB4 | 37216   | 47124   | 1.74%   | 0.143% |
| 40 | 21.174 | 3087 | 3092 | 3099 | rBV  | 1552358 | 2090190 | 77.03%  | 6.365% |
| 41 | 21.750 | 3188 | 3190 | 3193 | rBV4 | 37618   | 44537   | 1.64%   | 0.136% |
| 42 | 23.215 | 3432 | 3439 | 3451 | rVB  | 1506963 | 2713361 | 100.00% | 8.262% |
| 43 | 23.356 | 3456 | 3463 | 3473 | rVB  | 1013910 | 2004784 | 73.89%  | 6.105% |

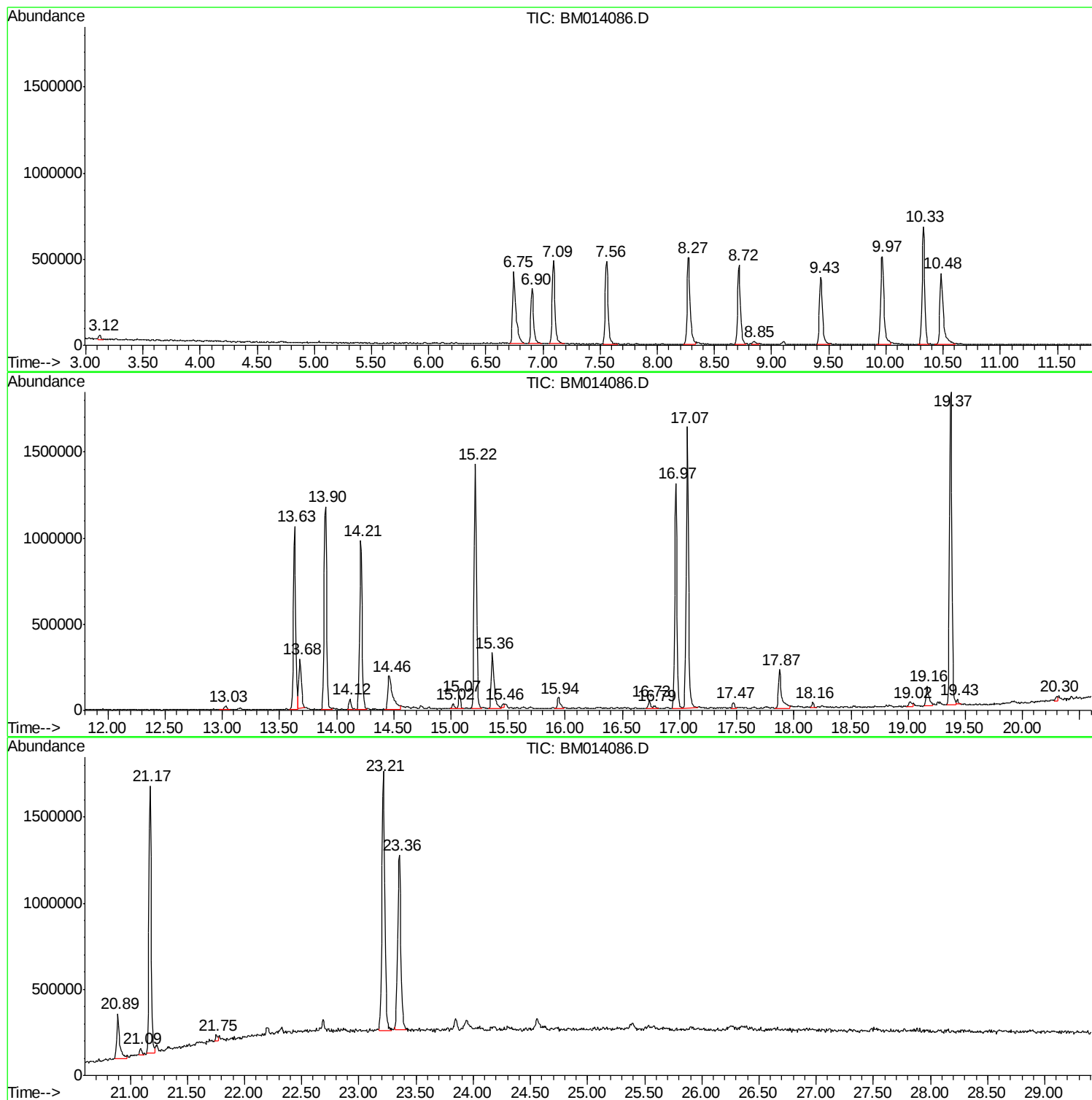
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Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM013118.M  
Quant Title : SVOA CALIBRATION

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



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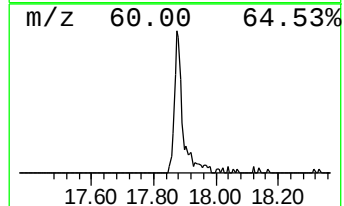
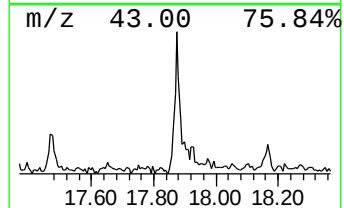
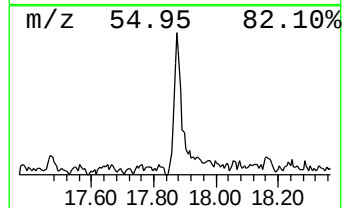
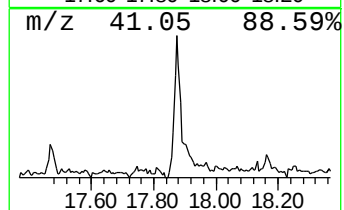
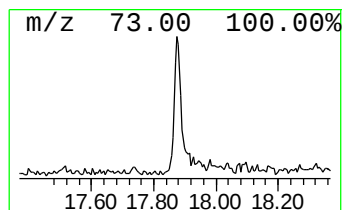
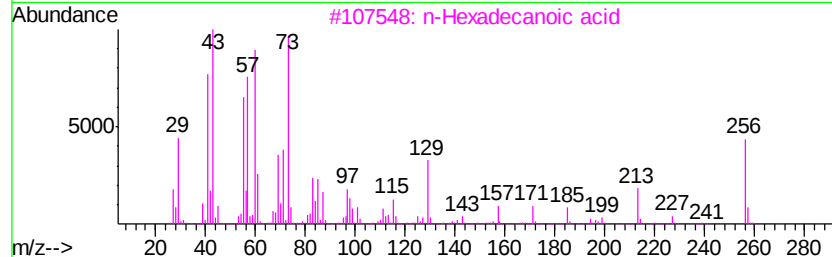
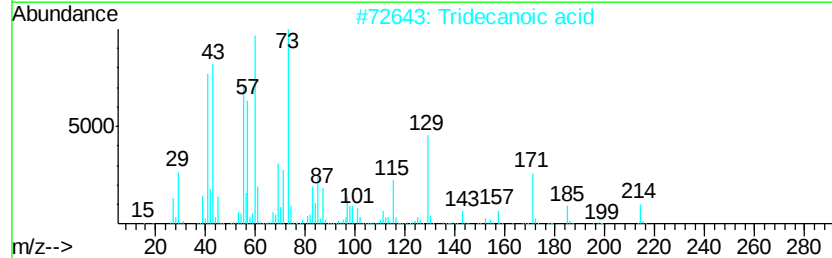
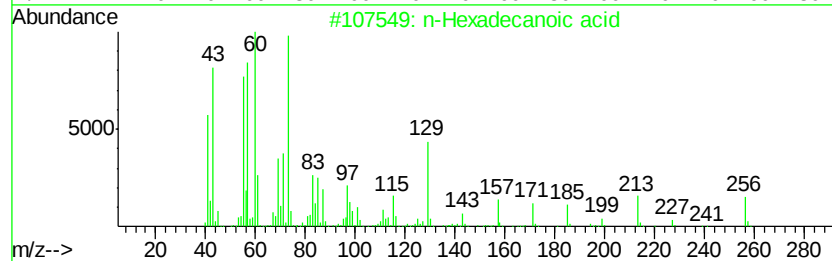
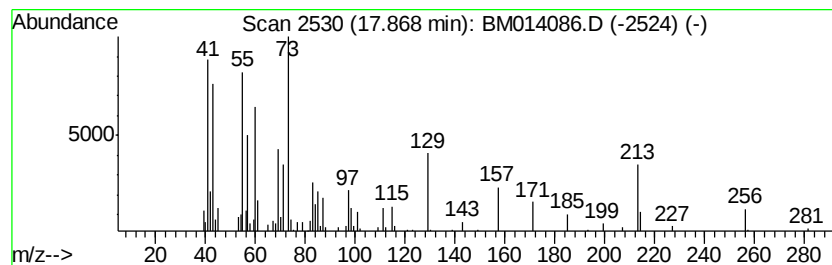
Instrument :  
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Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM013118.M  
Quant Title : SVOA CALIBRATION

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

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Peak Number 1 n-Hexadecanoic acid Concentration Rank 1

| R.T.      | EstConc             | Area   | Relative to ISTD | R.T.        |      |
|-----------|---------------------|--------|------------------|-------------|------|
| 17.87     | 4.68 ng/ul          | 435180 | Phenanthrene-d10 | 16.97       |      |
| Hit# of 5 | Tentative ID        | MW     | MolForm          | CAS#        | Qual |
| 1         | n-Hexadecanoic acid | 256    | C16H32O2         | 000057-10-3 | 95   |
| 2         | Tridecanoic acid    | 214    | C13H26O2         | 000638-53-9 | 62   |
| 3         | n-Hexadecanoic acid | 256    | C16H32O2         | 000057-10-3 | 60   |
| 4         | Tridecanoic acid    | 214    | C13H26O2         | 000638-53-9 | 58   |
| 5         | Tetradecanoic acid  | 228    | C14H28O2         | 000544-63-8 | 58   |



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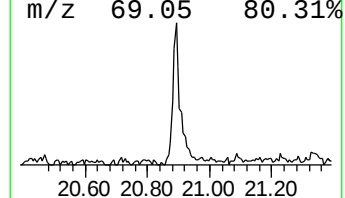
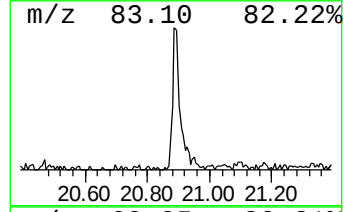
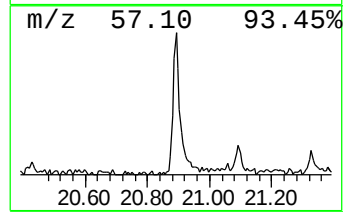
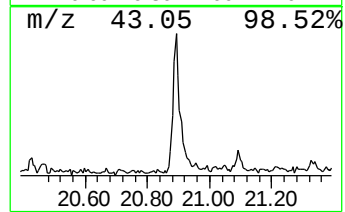
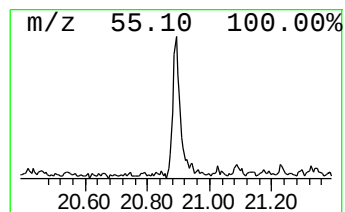
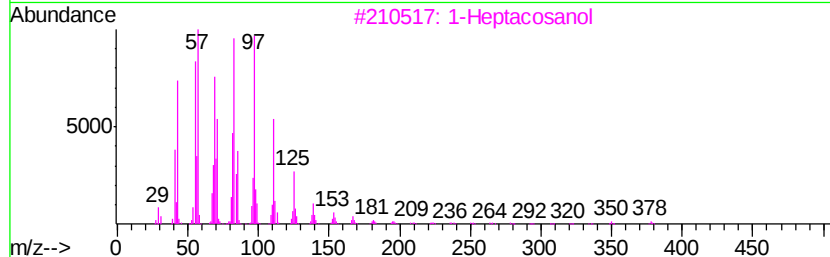
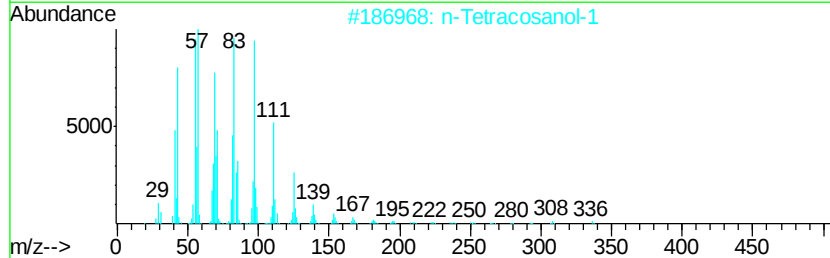
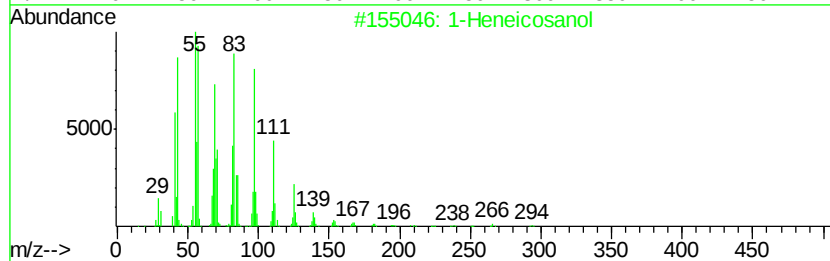
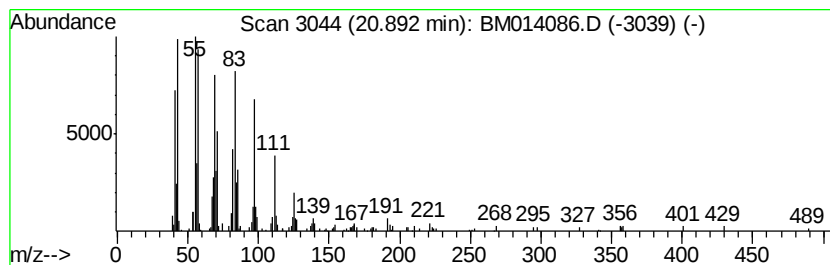
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 2 1-Heneicosanol Concentration Rank 2

| R.T.  | EstConc    | Area   | Relative to ISTD | R.T.  |
|-------|------------|--------|------------------|-------|
| 20.89 | 4.40 ng/ul | 460250 | Chrysene-d12     | 21.17 |

| Hit# of | 5                           | Tentative ID | MW  | MolForm    | CAS#        | Qual |
|---------|-----------------------------|--------------|-----|------------|-------------|------|
| 1       | 1-Heneicosanol              |              | 312 | C21H44O    | 015594-90-8 | 91   |
| 2       | n-Tetracosanol-1            |              | 354 | C24H50O    | 000506-51-4 | 91   |
| 3       | 1-Heptacosanol              |              | 396 | C27H56O    | 002004-39-9 | 91   |
| 4       | Trifluoroacetoxy hexadecane |              | 338 | C18H33F3O2 | 006222-03-3 | 91   |
| 5       | n-Tetracosanol-1            |              | 354 | C24H50O    | 000506-51-4 | 87   |



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| TIC Top Hit name    | RT    | EstConc | Units | Response | --Internal Standard-- |       |         |      |
|---------------------|-------|---------|-------|----------|-----------------------|-------|---------|------|
|                     |       |         |       |          | #                     | RT    | Resp    | Conc |
| n-Hexadecanoic acid | 17.87 | 4.7     | ng/ul | 435180   | 4                     | 16.97 | 1858530 | 20.0 |
| 1-Heneicosanol      | 20.89 | 4.4     | ng/ul | 460250   | 5                     | 21.17 | 2090190 | 20.0 |