

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM060818\  
 Data File : BM015591.D  
 Acq On : 09 Jun 2018 08:06  
 Operator : SJ/JU  
 Sample : J3346-05  
 Misc :  
 ALS Vial : 34 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 DAXG7

## 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:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM060818MA.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         | 7.487       | 707           | 714         | 729          | rBV      | 596685         | 1096784       | 17.63%          | 2.135%        |
| 2         | 7.657       | 736           | 743         | 754          | rBV      | 459182         | 732036        | 11.77%          | 1.425%        |
| 3         | 7.863       | 772           | 778         | 792          | rBV      | 579536         | 992664        | 15.96%          | 1.932%        |
| 4         | 8.345       | 852           | 860         | 873          | rVB      | 390448         | 675497        | 10.86%          | 1.315%        |
| 5         | 9.051       | 972           | 980         | 999          | rBV      | 793251         | 1324669       | 21.29%          | 2.578%        |
| 6         | 9.528       | 1054          | 1061        | 1071         | rBV      | 639899         | 1077352       | 17.32%          | 2.097%        |
| 7         | 10.251      | 1177          | 1184        | 1196         | rBV      | 566128         | 957516        | 15.39%          | 1.864%        |
| 8         | 10.792      | 1269          | 1276        | 1296         | rBV      | 822104         | 1438120       | 23.11%          | 2.799%        |
| 9         | 11.175      | 1334          | 1341        | 1350         | rBV      | 662872         | 1115974       | 17.94%          | 2.172%        |
| 10        | 11.310      | 1357          | 1364        | 1381         | rBV      | 895303         | 1544434       | 24.82%          | 3.006%        |
| 11        | 14.357      | 1876          | 1882        | 1886         | rBV      | 1957592        | 2653713       | 42.65%          | 5.165%        |
| 12        | 14.404      | 1886          | 1890        | 1902         | rVB      | 707641         | 961228        | 15.45%          | 1.871%        |
| 13        | 14.657      | 1927          | 1933        | 1946         | rBV      | 1994356        | 2956787       | 47.52%          | 5.755%        |
| 14        | 14.810      | 1953          | 1959        | 1967         | rVB      | 75590          | 96579         | 1.55%           | 0.188%        |
| 15        | 14.963      | 1978          | 1985        | 1993         | rVB2     | 1068756        | 1702378       | 27.36%          | 3.314%        |
| 16        | 15.151      | 2011          | 2017        | 2030         | rBV      | 906070         | 1431073       | 23.00%          | 2.786%        |
| 17        | 15.751      | 2115          | 2119        | 2124         | rVB      | 113221         | 134122        | 2.16%           | 0.261%        |
| 18        | 15.939      | 2145          | 2151        | 2163         | rBV      | 2623940        | 3906949       | 62.80%          | 7.605%        |
| 19        | 16.068      | 2167          | 2173        | 2180         | rBV      | 808492         | 1168597       | 18.78%          | 2.275%        |
| 20        | 16.604      | 2260          | 2264        | 2271         | rBV      | 97701          | 145797        | 2.34%           | 0.284%        |
| 21        | 17.680      | 2441          | 2447        | 2457         | rBV      | 1620361        | 2233582       | 35.90%          | 4.348%        |
| 22        | 17.780      | 2457          | 2464        | 2475         | rBV      | 3157733        | 4437977       | 71.33%          | 8.639%        |
| 23        | 18.515      | 2584          | 2589        | 2599         | rBV      | 313196         | 448852        | 7.21%           | 0.874%        |
| 24        | 19.674      | 2780          | 2786        | 2791         | rVB      | 40136          | 67919         | 1.09%           | 0.132%        |
| 25        | 19.762      | 2797          | 2801        | 2809         | rBV      | 135182         | 187948        | 3.02%           | 0.366%        |
| 26        | 20.033      | 2841          | 2847        | 2858         | rBV      | 4025424        | 5331999       | 85.70%          | 10.379%       |
| 27        | 21.444      | 3083          | 3087        | 3093         | rVB      | 284438         | 320566        | 5.15%           | 0.624%        |
| 28        | 21.580      | 3107          | 3110        | 3115         | rBV      | 87927          | 102050        | 1.64%           | 0.199%        |
| 29        | 21.786      | 3139          | 3145        | 3152         | rBV      | 2151661        | 2805622       | 45.09%          | 5.461%        |
| 30        | 24.050      | 3522          | 3530        | 3539         | rVB      | 3096378        | 6221588       | 100.00%         | 12.110%       |
| 31        | 24.197      | 3548          | 3555        | 3565         | rVB2     | 1536680        | 3103701       | 49.89%          | 6.041%        |

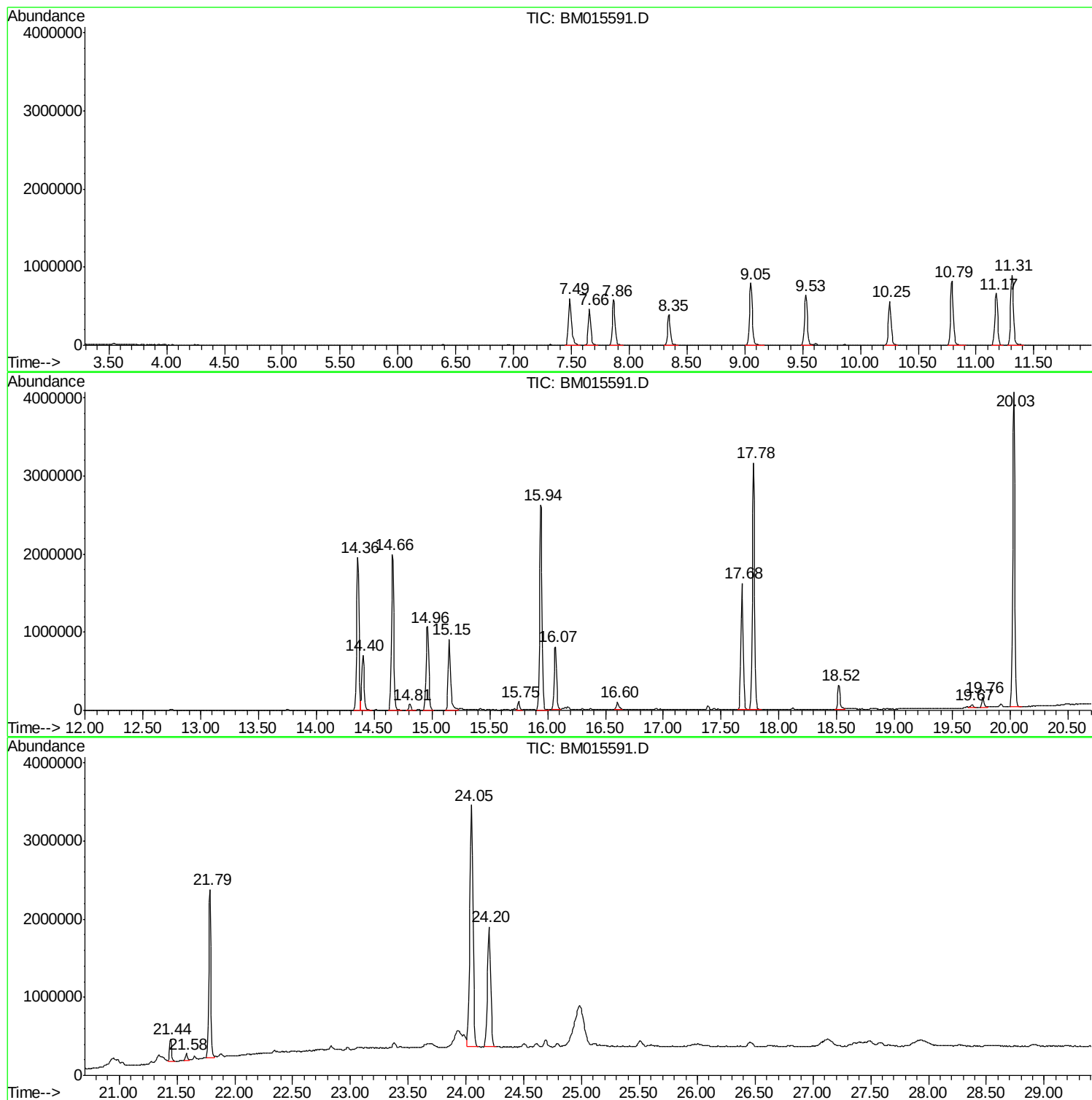
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ClientSampleId :  
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM060818MA.M  
Quant Title : SVOA CALIBRATION

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



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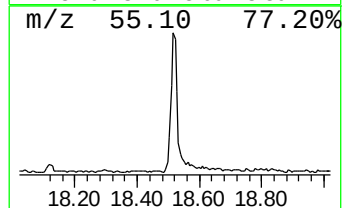
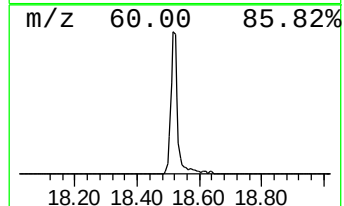
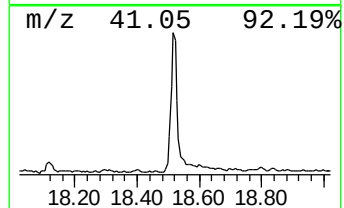
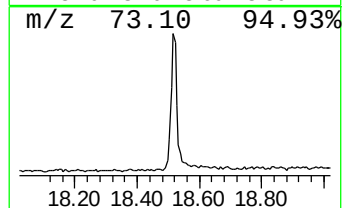
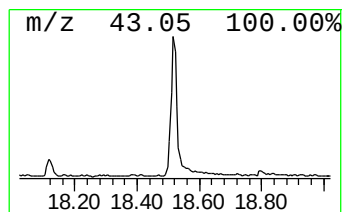
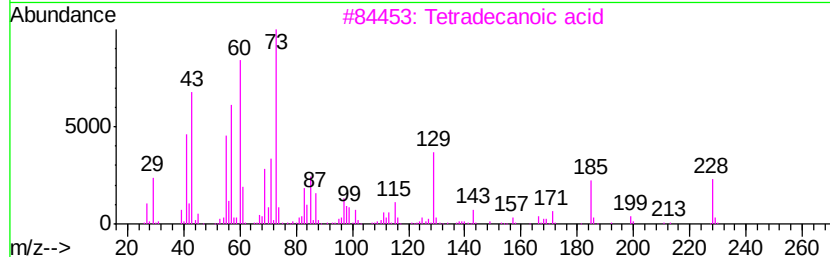
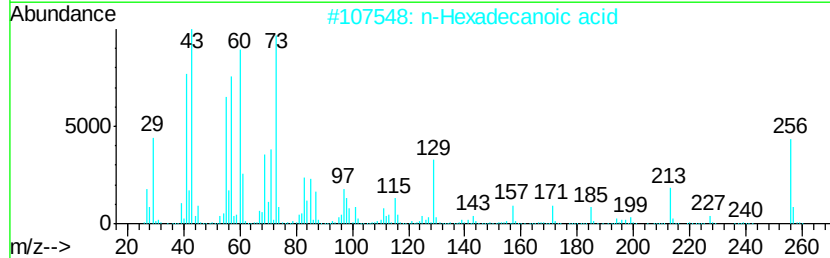
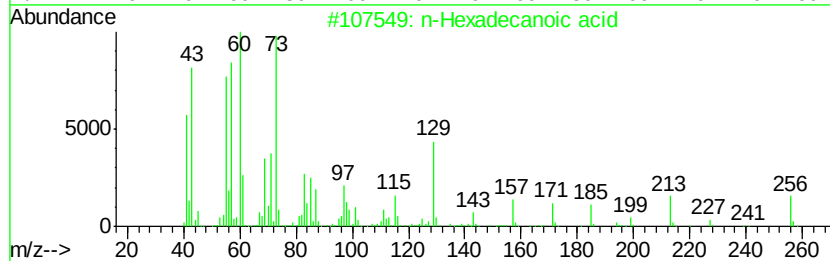
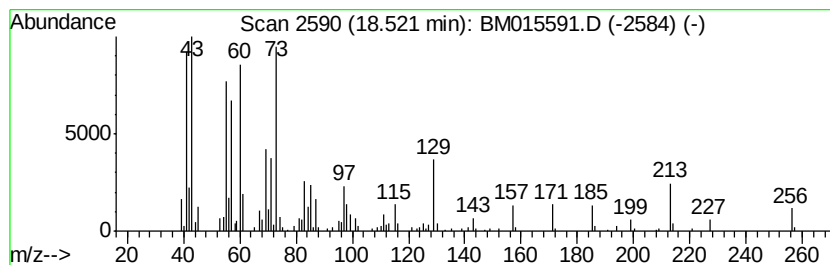
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Peak Number 1 n-Hexadecanoic acid Concentration Rank 1

| R.T.    | EstConc             | Area         | Relative to ISTD | R.T.      |
|---------|---------------------|--------------|------------------|-----------|
| 18.52   | 4.02 ng/ul          | 448852       | Phenanthrene-d10 | 17.68     |
| Hit# of | 5                   | Tentative ID | MW MolForm       | CAS# Qual |
| 1       | n-Hexadecanoic acid | 256 C16H32O2 | 000057-10-3      | 99        |
| 2       | n-Hexadecanoic acid | 256 C16H32O2 | 000057-10-3      | 94        |
| 3       | Tetradecanoic acid  | 228 C14H28O2 | 000544-63-8      | 93        |
| 4       | Pentadecanoic acid  | 242 C15H30O2 | 001002-84-2      | 90        |
| 5       | n-Hexadecanoic acid | 256 C16H32O2 | 000057-10-3      | 86        |



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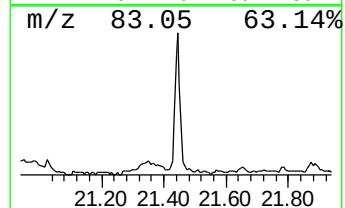
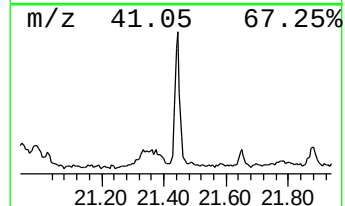
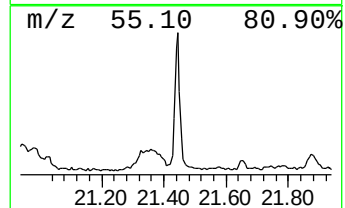
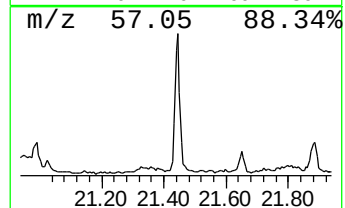
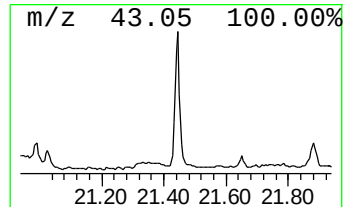
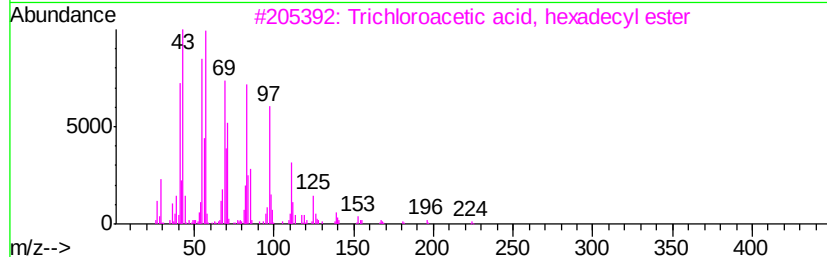
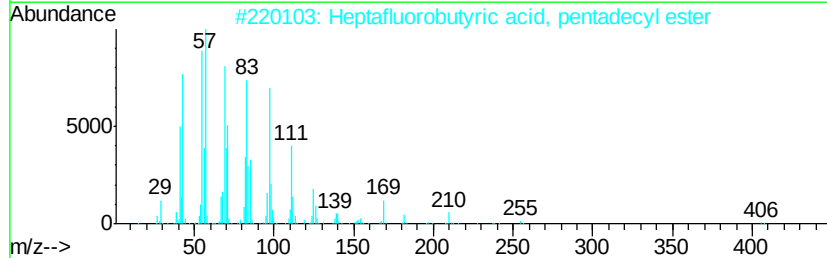
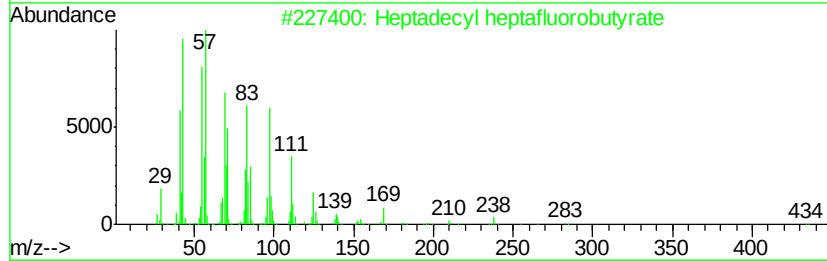
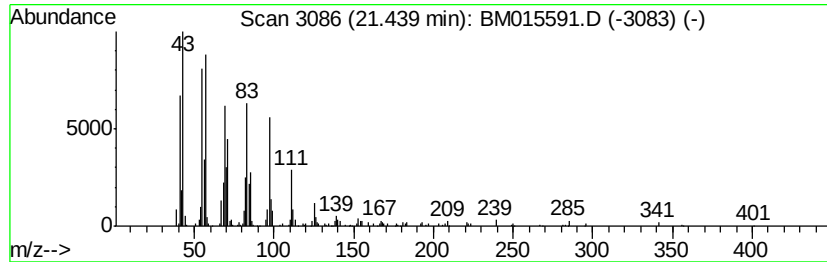
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Peak Number 2 Heptadecyl heptafluorobutyrate Concentration Rank 2

| R.T.    | EstConc    | Area                                | Relative to ISTD |             | R.T.        |      |
|---------|------------|-------------------------------------|------------------|-------------|-------------|------|
| 21.44   | 2.29 ng/ul | 320566                              | Chrysene-d12     |             | 21.79       |      |
| Hit# of | 5          | Tentative ID                        | MW               | MolForm     | CAS#        | Qual |
| 1       |            | Heptadecyl heptafluorobutyrate      | 452              | C21H35F7O2  | 959085-66-6 | 94   |
| 2       |            | Heptafluorobutyric acid, pentade... | 424              | C19H31F7O2  | 959261-23-5 | 94   |
| 3       |            | Trichloroacetic acid, hexadecyl ... | 386              | C18H33Cl3O2 | 074339-54-1 | 93   |
| 4       |            | 8-Heptadecene                       | 238              | C17H34      | 002579-04-6 | 93   |
| 5       |            | Trichloroacetic acid, pentadecyl... | 372              | C17H31Cl3O2 | 074339-53-0 | 93   |



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| TIC Top Hit name     | RT    | EstConc | Units | Response | --Internal Standard-- |       |         |      |
|----------------------|-------|---------|-------|----------|-----------------------|-------|---------|------|
|                      |       |         |       |          | #                     | RT    | Resp    | Conc |
| n-Hexadecanoic acid  | 18.52 | 4.0     | ng/ul | 448852   | 4                     | 17.68 | 2233580 | 20.0 |
| Heptadecyl heptaf... | 21.44 | 2.3     | ng/ul | 320566   | 5                     | 21.79 | 2805620 | 20.0 |