

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA M\DATA\BM121317\  
 Data File : BM013380.D  
 Acq On : 13 Dec 2017 18:59  
 Operator : SJ/JU  
 Sample : I6801-08  
 Misc :  
 ALS Vial : 16 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 F9A38

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-BM113017.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         | 6.857       | 635           | 641         | 654          | rVB2     | 466989         | 886849        | 17.57%          | 2.055%        |
| 2         | 7.022       | 662           | 669         | 680          | rVB      | 353620         | 572303        | 11.34%          | 1.326%        |
| 3         | 7.216       | 694           | 702         | 714          | rVB      | 504647         | 810319        | 16.05%          | 1.878%        |
| 4         | 7.681       | 774           | 781         | 788          | rBV      | 408433         | 655916        | 13.00%          | 1.520%        |
| 5         | 8.387       | 896           | 901         | 912          | rVB      | 641706         | 1027272       | 20.35%          | 2.380%        |
| 6         | 8.834       | 971           | 977         | 984          | rBV      | 544984         | 888127        | 17.60%          | 2.058%        |
| 7         | 9.551       | 1092          | 1099        | 1108         | rBV      | 452031         | 763616        | 15.13%          | 1.769%        |
| 8         | 10.086      | 1183          | 1190        | 1204         | rBV      | 691011         | 1191217       | 23.60%          | 2.760%        |
| 9         | 10.463      | 1247          | 1254        | 1261         | rBV      | 602373         | 982120        | 19.46%          | 2.276%        |
| 10        | 10.604      | 1271          | 1278        | 1287         | rBV      | 661352         | 1133192       | 22.45%          | 2.626%        |
| 11        | 13.739      | 1804          | 1811        | 1816         | rBV      | 1518644        | 2051376       | 40.64%          | 4.753%        |
| 12        | 13.786      | 1816          | 1819        | 1829         | rVB      | 277154         | 355090        | 7.04%           | 0.823%        |
| 13        | 14.016      | 1851          | 1858        | 1865         | rBV      | 1627614        | 2368292       | 46.92%          | 5.487%        |
| 14        | 14.321      | 1904          | 1910        | 1919         | rVB2     | 960863         | 1494462       | 29.61%          | 3.463%        |
| 15        | 14.539      | 1939          | 1947        | 1959         | rBV      | 641694         | 1126898       | 22.33%          | 2.611%        |
| 16        | 15.321      | 2074          | 2080        | 2087         | rBV      | 2224488        | 3032780       | 60.09%          | 7.027%        |
| 17        | 15.445      | 2095          | 2101        | 2112         | rBV      | 579219         | 847570        | 16.79%          | 1.964%        |
| 18        | 17.074      | 2372          | 2378        | 2388         | rBV      | 1548770        | 2134766       | 42.30%          | 4.946%        |
| 19        | 17.174      | 2388          | 2395        | 2402         | rBV      | 2716439        | 3744079       | 74.18%          | 8.675%        |
| 20        | 17.974      | 2524          | 2531        | 2542         | rBV      | 212431         | 330451        | 6.55%           | 0.766%        |
| 21        | 19.262      | 2744          | 2750        | 2759         | rBV4     | 101487         | 171394        | 3.40%           | 0.397%        |
| 22        | 19.468      | 2779          | 2785        | 2792         | rBV      | 3537785        | 4915827       | 97.40%          | 11.390%       |
| 23        | 20.980      | 3037          | 3042        | 3051         | rBV      | 550716         | 729640        | 14.46%          | 1.691%        |
| 24        | 21.262      | 3085          | 3090        | 3098         | rBV      | 2358176        | 2951964       | 58.49%          | 6.840%        |
| 25        | 21.380      | 3107          | 3110        | 3115         | rVB5     | 47718          | 51635         | 1.02%           | 0.120%        |
| 26        | 23.350      | 3438          | 3445        | 3455         | rVB      | 2794367        | 5047308       | 100.00%         | 11.695%       |
| 27        | 23.486      | 3462          | 3468        | 3478         | rVB      | 1416576        | 2690134       | 53.30%          | 6.233%        |
| 28        | 24.097      | 3569          | 3572        | 3581         | rVB7     | 98195          | 203862        | 4.04%           | 0.472%        |

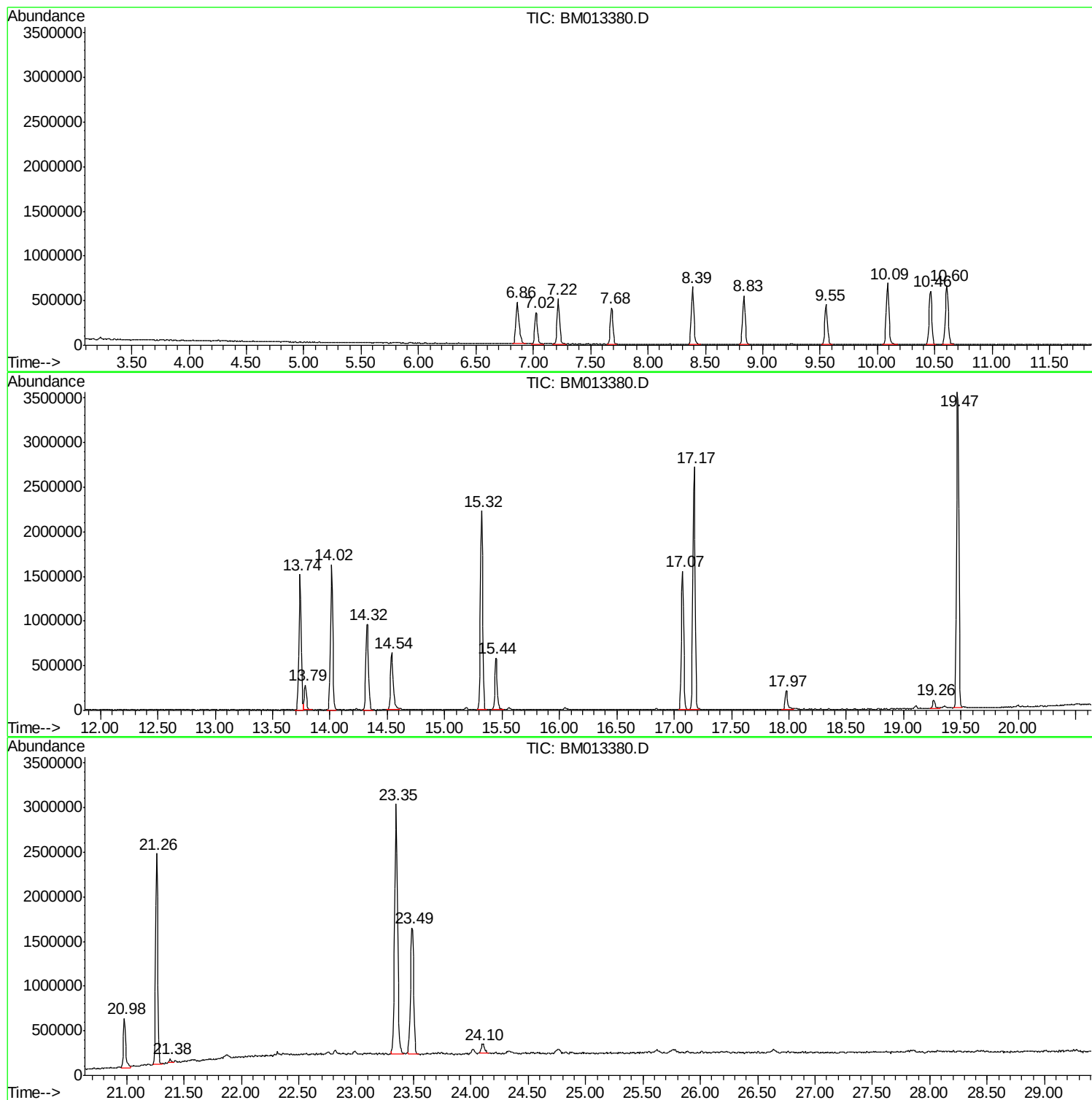
Sum of corrected areas: 43158459

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



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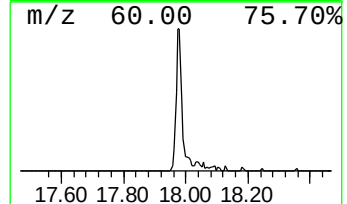
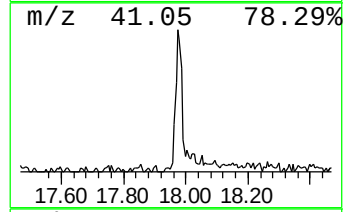
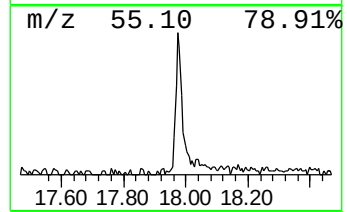
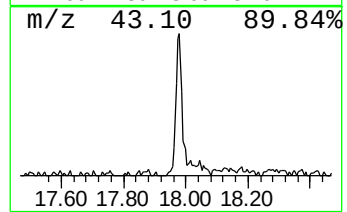
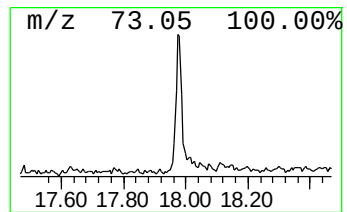
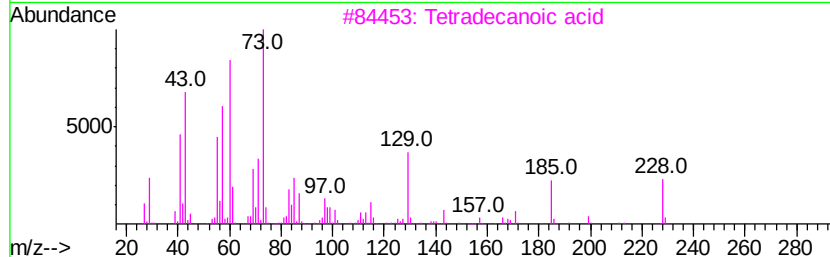
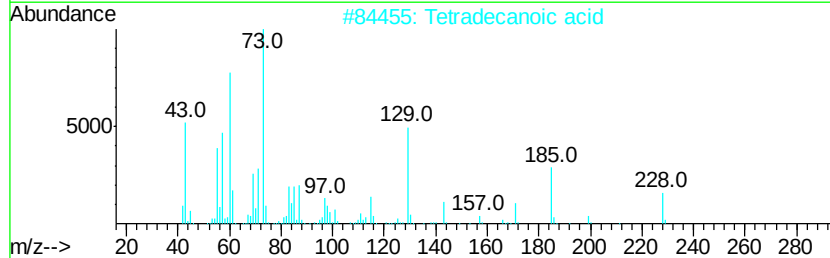
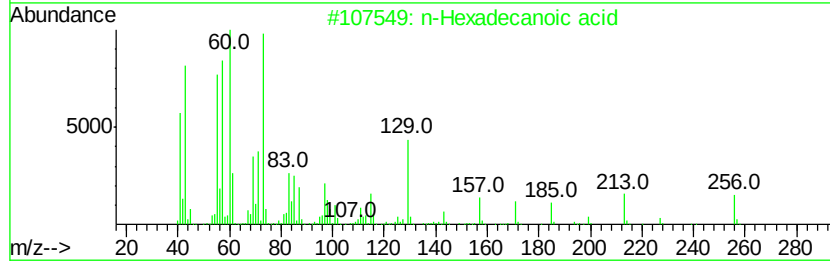
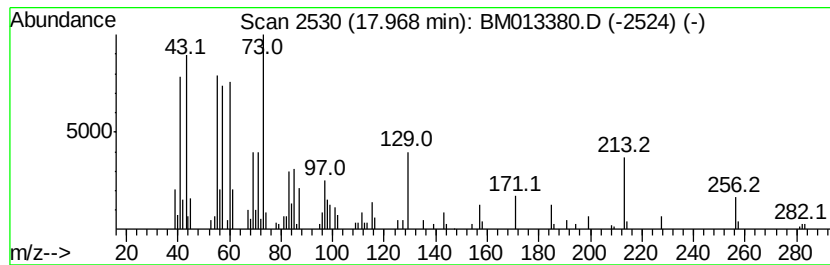
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Peak Number 1 n-Hexadecanoic acid Concentration Rank 2

| R.T.    | EstConc    | Area                | Relative to ISTD | R.T.     |             |      |
|---------|------------|---------------------|------------------|----------|-------------|------|
| 17.97   | 3.10 ng/ul | 330451              | Phenanthrene-d10 | 17.07    |             |      |
| Hit# of | 5          | Tentative ID        | MW               | MolForm  | CAS#        | Qual |
| 1       |            | n-Hexadecanoic acid | 256              | C16H32O2 | 000057-10-3 | 98   |
| 2       |            | Tetradecanoic acid  | 228              | C14H28O2 | 000544-63-8 | 93   |
| 3       |            | Tetradecanoic acid  | 228              | C14H28O2 | 000544-63-8 | 89   |
| 4       |            | Dodecanoic acid     | 200              | C12H24O2 | 000143-07-7 | 89   |
| 5       |            | Pentadecanoic acid  | 242              | C15H30O2 | 001002-84-2 | 81   |



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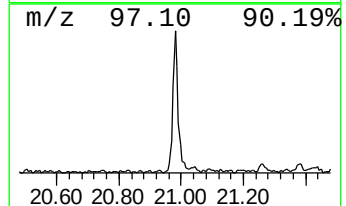
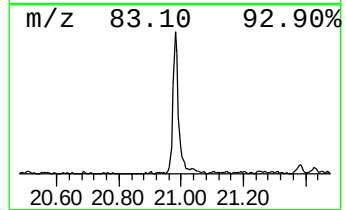
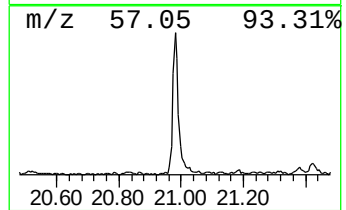
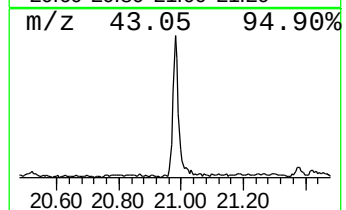
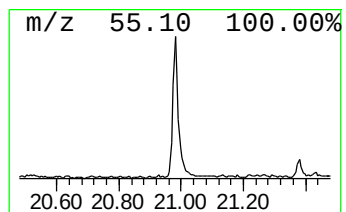
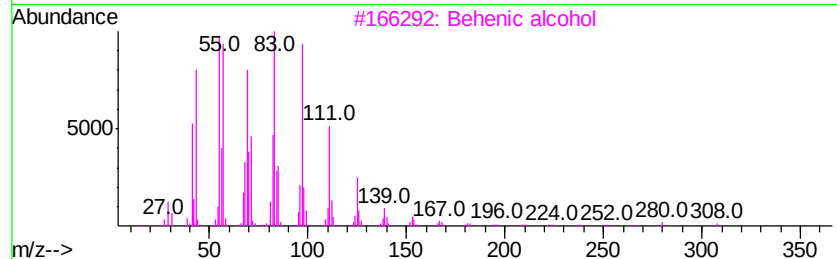
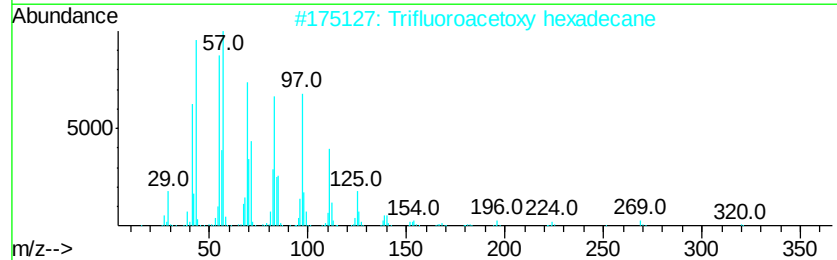
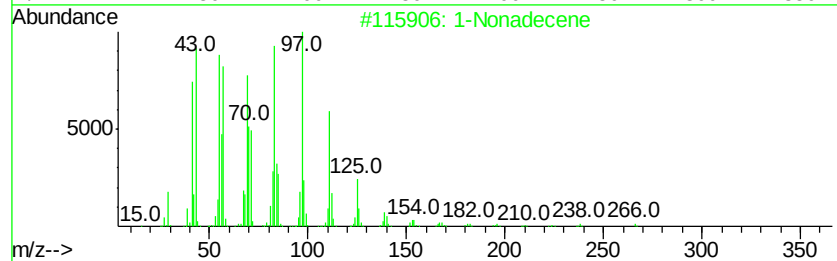
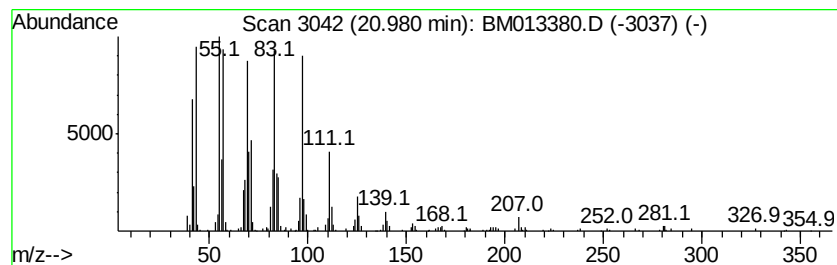
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Peak Number 2 (DEL) Alkane: Cyclic20.98 Concentration Rank 1

| R.T.  | EstConc    | Area   | Relative to ISTD | R.T.  |
|-------|------------|--------|------------------|-------|
| 20.98 | 4.94 ng/ul | 729640 | Chrysene-d12     | 21.26 |

| Hit# | of | Tentative ID                | MW  | MolForm    | CAS#        | Qual |
|------|----|-----------------------------|-----|------------|-------------|------|
| 1    | 5  | 1-Nonadecene                | 266 | C19H38     | 018435-45-5 | 98   |
| 2    |    | Trifluoroacetoxy hexadecane | 338 | C18H33F3O2 | 006222-03-3 | 94   |
| 3    |    | Behenic alcohol             | 326 | C22H46O    | 000661-19-8 | 93   |
| 4    |    | 3-Eicosene, (E)-            | 280 | C20H40     | 074685-33-9 | 93   |
| 5    |    | n-Tetracosanol-1            | 354 | C24H50O    | 000506-51-4 | 93   |



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| TIC Top Hit name     | RT    | EstConc | Units | Response | --Internal Standard-- |       |         |      |
|----------------------|-------|---------|-------|----------|-----------------------|-------|---------|------|
|                      |       |         |       |          | #                     | RT    | Resp    | Conc |
| n-Hexadecanoic acid  | 17.97 | 3.1     | ng/ul | 330451   | 4                     | 17.07 | 2134770 | 20.0 |
| (DEL) Alkane: Cyc... | 20.98 | 4.9     | ng/ul | 729640   | 5                     | 21.26 | 2951960 | 20.0 |