

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM051719\  
 Data File : BM020379.D  
 Acq On : 17 May 2019 23:44  
 Operator : JU/SJ  
 Sample : K2633-05  
 Misc :  
 ALS Vial : 24 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 GAJ97

## Integration Parameters: LSCINT.P

Integrator: RTE  
 Smoothing : OFF  
 Sampling : 1  
 Start Thrs: 0.2  
 Stop Thrs : 0

Filtering: 5  
 Min Area: 0.1 % 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-BM051619MA.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         | 3.222       | 38            | 40          | 51           | rVB2     | 23594          | 36556         | 2.46%           | 0.250%        |
| 2         | 6.898       | 659           | 665         | 681          | rVB      | 219619         | 396029        | 26.67%          | 2.713%        |
| 3         | 7.075       | 689           | 695         | 708          | rBV      | 169282         | 286073        | 19.26%          | 1.960%        |
| 4         | 7.263       | 721           | 727         | 737          | rBV      | 254801         | 411709        | 27.73%          | 2.821%        |
| 5         | 7.734       | 801           | 807         | 821          | rVB      | 221054         | 371498        | 25.02%          | 2.545%        |
| 6         | 8.039       | 857           | 859         | 861          | rBV      | 2038           | 1663          | 0.11%           | 0.011%        |
| 7         | 8.433       | 921           | 926         | 937          | rBV      | 242235         | 420695        | 28.33%          | 2.882%        |
| 8         | 8.551       | 944           | 946         | 948          | rVB      | 2576           | 1916          | 0.13%           | 0.013%        |
| 9         | 8.898       | 998           | 1005        | 1016         | rBV      | 210274         | 365889        | 24.64%          | 2.507%        |
| 10        | 9.245       | 1060          | 1064        | 1067         | rVB3     | 2678           | 4380          | 0.29%           | 0.030%        |
| 11        | 9.616       | 1120          | 1127        | 1137         | rBV      | 165153         | 281910        | 18.98%          | 1.931%        |
| 12        | 10.145      | 1211          | 1217        | 1231         | rBV      | 260931         | 463198        | 31.19%          | 3.173%        |
| 13        | 10.522      | 1274          | 1281        | 1297         | rVB      | 277539         | 463566        | 31.22%          | 3.176%        |
| 14        | 10.674      | 1299          | 1307        | 1324         | rBV      | 181972         | 385482        | 25.96%          | 2.641%        |
| 15        | 12.121      | 1551          | 1553        | 1559         | rVB3     | 2230           | 3138          | 0.21%           | 0.021%        |
| 16        | 12.198      | 1561          | 1566        | 1571         | rVB3     | 3068           | 5764          | 0.39%           | 0.039%        |
| 17        | 12.416      | 1598          | 1603        | 1608         | rBV2     | 4707           | 7660          | 0.52%           | 0.052%        |
| 18        | 13.545      | 1790          | 1795        | 1796         | rBV3     | 1709           | 1827          | 0.12%           | 0.013%        |
| 19        | 13.704      | 1817          | 1822        | 1825         | rVB3     | 3300           | 5193          | 0.35%           | 0.036%        |
| 20        | 13.751      | 1825          | 1830        | 1832         | rVV2     | 2160           | 2755          | 0.19%           | 0.019%        |
| 21        | 13.792      | 1832          | 1837        | 1842         | rVV      | 507038         | 710464        | 47.84%          | 4.867%        |
| 22        | 13.839      | 1842          | 1845        | 1858         | rVV      | 155897         | 219810        | 14.80%          | 1.506%        |
| 23        | 14.074      | 1879          | 1885        | 1899         | rBV      | 580342         | 830646        | 55.94%          | 5.691%        |
| 24        | 14.380      | 1931          | 1937        | 1948         | rBV2     | 400923         | 619090        | 41.69%          | 4.241%        |
| 25        | 14.604      | 1969          | 1975        | 1983         | rBV2     | 69314          | 156258        | 10.52%          | 1.071%        |
| 26        | 15.221      | 2074          | 2080        | 2084         | rVV2     | 1461           | 2451          | 0.17%           | 0.017%        |
| 27        | 15.374      | 2100          | 2106        | 2120         | rBV      | 684797         | 1034037       | 69.63%          | 7.084%        |
| 28        | 15.504      | 2123          | 2128        | 2137         | rVV      | 146224         | 199033        | 13.40%          | 1.364%        |
| 29        | 15.615      | 2143          | 2147        | 2152         | rVB2     | 5105           | 8008          | 0.54%           | 0.055%        |
| 30        | 15.956      | 2201          | 2205        | 2210         | rBV      | 891            | 1584          | 0.11%           | 0.011%        |
| 31        | 16.168      | 2238          | 2241        | 2243         | rVB      | 1862           | 1511          | 0.10%           | 0.010%        |
| 32        | 16.268      | 2253          | 2258        | 2259         | rBV2     | 1441           | 1688          | 0.11%           | 0.012%        |
| 33        | 16.874      | 2358          | 2361        | 2363         | rBV      | 2075           | 1761          | 0.12%           | 0.012%        |
| 34        | 17.133      | 2399          | 2405        | 2410         | rBV2     | 556835         | 752220        | 50.66%          | 5.153%        |

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 Peak separation: 5

Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM051619MA.M  
 Title : SVOA CALIBRATION

|    |        |      |      |      |      |        |         |         |         |
|----|--------|------|------|------|------|--------|---------|---------|---------|
| 35 | 17.168 | 2410 | 2411 | 2416 | rVV  | 24993  | 30881   | 2.08%   | 0.212%  |
| 36 | 17.233 | 2416 | 2422 | 2438 | rVB  | 756134 | 1079607 | 72.70%  | 7.396%  |
| 37 | 17.509 | 2467 | 2469 | 2473 | rBV  | 1895   | 1643    | 0.11%   | 0.011%  |
| 38 | 18.015 | 2551 | 2555 | 2560 | rBV2 | 51150  | 73483   | 4.95%   | 0.503%  |
| 39 | 18.086 | 2565 | 2567 | 2571 | rVV2 | 2987   | 3796    | 0.26%   | 0.026%  |
| 40 | 18.209 | 2582 | 2588 | 2591 | rBV4 | 3565   | 6665    | 0.45%   | 0.046%  |
| 41 | 18.298 | 2602 | 2603 | 2608 | rVB2 | 2316   | 2530    | 0.17%   | 0.017%  |
| 42 | 18.345 | 2608 | 2611 | 2613 | rBV  | 2823   | 2088    | 0.14%   | 0.014%  |
| 43 | 18.521 | 2638 | 2641 | 2643 | rVV2 | 1731   | 1999    | 0.13%   | 0.014%  |
| 44 | 18.586 | 2644 | 2652 | 2654 | rVV5 | 1173   | 3269    | 0.22%   | 0.022%  |
| 45 | 18.809 | 2689 | 2690 | 2692 | rBV2 | 1796   | 1605    | 0.11%   | 0.011%  |
| 46 | 18.892 | 2700 | 2704 | 2705 | rBV3 | 1691   | 1489    | 0.10%   | 0.010%  |
| 47 | 18.945 | 2709 | 2713 | 2716 | rVV4 | 3122   | 4713    | 0.32%   | 0.032%  |
| 48 | 19.168 | 2747 | 2751 | 2754 | rBV2 | 8624   | 13186   | 0.89%   | 0.090%  |
| 49 | 19.197 | 2754 | 2756 | 2760 | rVV3 | 6087   | 6739    | 0.45%   | 0.046%  |
| 50 | 19.250 | 2762 | 2765 | 2767 | rBV3 | 3157   | 2419    | 0.16%   | 0.017%  |
| 51 | 19.297 | 2769 | 2773 | 2779 | rBV6 | 14606  | 23755   | 1.60%   | 0.163%  |
| 52 | 19.339 | 2779 | 2780 | 2783 | rVB3 | 2893   | 1645    | 0.11%   | 0.011%  |
| 53 | 19.368 | 2783 | 2785 | 2786 | rBV  | 2213   | 1579    | 0.11%   | 0.011%  |
| 54 | 19.415 | 2790 | 2793 | 2798 | rBV2 | 5825   | 8438    | 0.57%   | 0.058%  |
| 55 | 19.492 | 2804 | 2806 | 2807 | rBV2 | 3485   | 2405    | 0.16%   | 0.016%  |
| 56 | 19.533 | 2807 | 2813 | 2821 | rVV  | 969606 | 1382920 | 93.13%  | 9.474%  |
| 57 | 19.656 | 2832 | 2834 | 2838 | rBV4 | 2711   | 2667    | 0.18%   | 0.018%  |
| 58 | 19.709 | 2838 | 2843 | 2846 | rBV6 | 3558   | 7922    | 0.53%   | 0.054%  |
| 59 | 19.739 | 2846 | 2848 | 2851 | rVB4 | 2794   | 2182    | 0.15%   | 0.015%  |
| 60 | 19.809 | 2859 | 2860 | 2863 | rBV3 | 2535   | 2181    | 0.15%   | 0.015%  |
| 61 | 19.862 | 2867 | 2869 | 2870 | rBV  | 2775   | 1724    | 0.12%   | 0.012%  |
| 62 | 20.003 | 2891 | 2893 | 2894 | rBV  | 3038   | 1652    | 0.11%   | 0.011%  |
| 63 | 20.115 | 2910 | 2912 | 2913 | rBV2 | 3879   | 2305    | 0.16%   | 0.016%  |
| 64 | 20.356 | 2951 | 2953 | 2954 | rBV  | 4600   | 2688    | 0.18%   | 0.018%  |
| 65 | 21.021 | 3062 | 3066 | 3073 | rBV2 | 59197  | 101476  | 6.83%   | 0.695%  |
| 66 | 21.321 | 3112 | 3117 | 3131 | rBV  | 661083 | 956387  | 64.41%  | 6.552%  |
| 67 | 23.450 | 3472 | 3479 | 3490 | rVB  | 785481 | 1484950 | 100.00% | 10.173% |
| 68 | 23.591 | 3497 | 3503 | 3513 | rBV  | 483533 | 918016  | 61.82%  | 6.289%  |

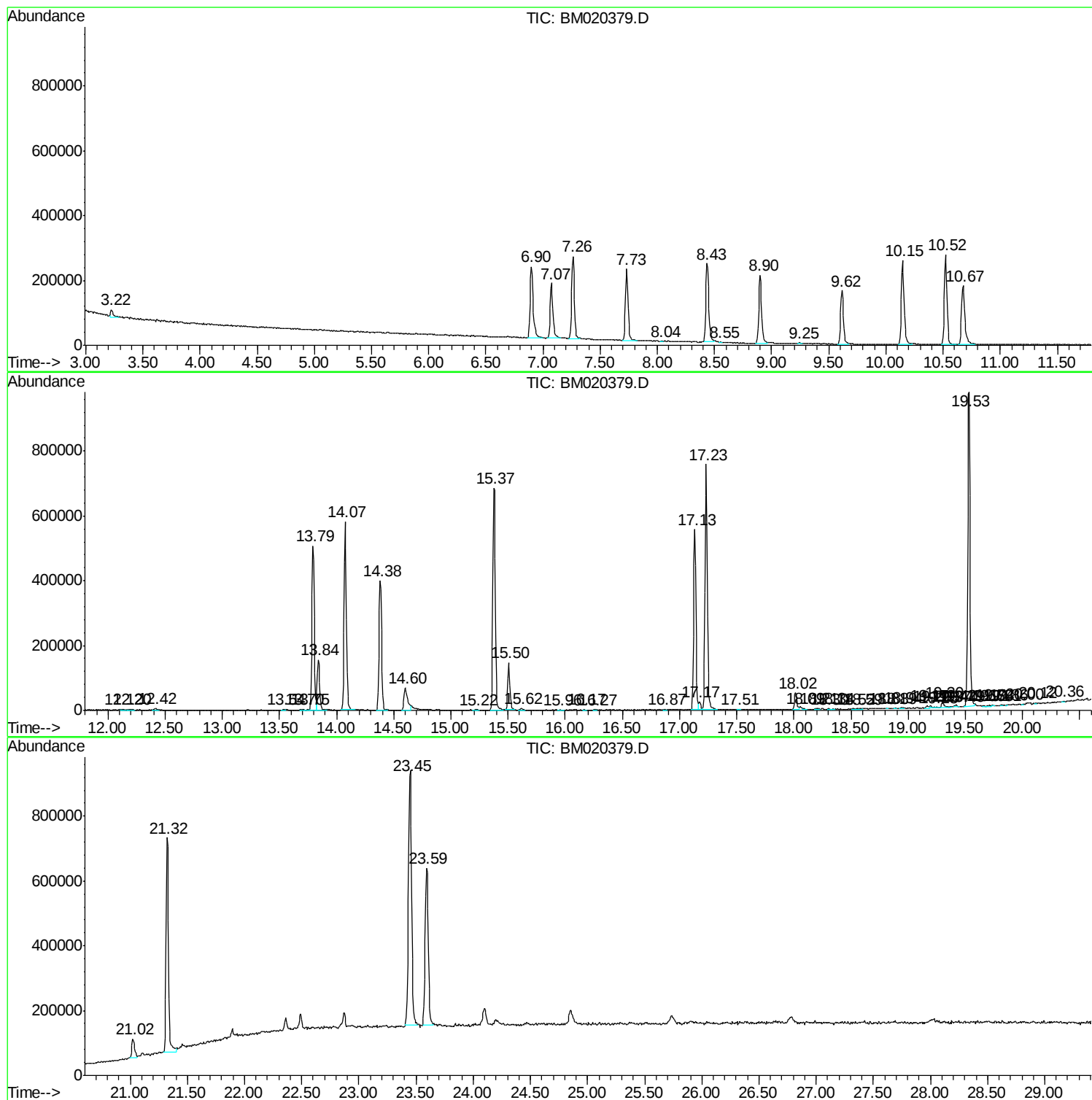
Sum of corrected areas: 14596466

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Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM051619MA.M  
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P



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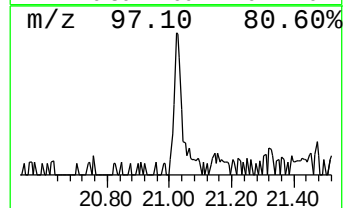
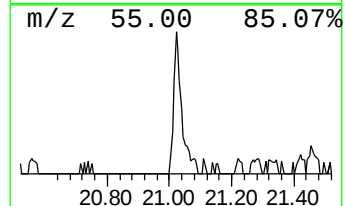
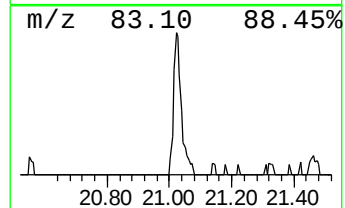
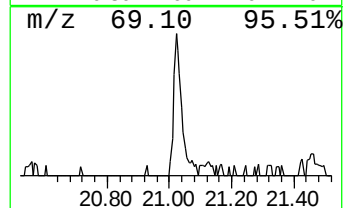
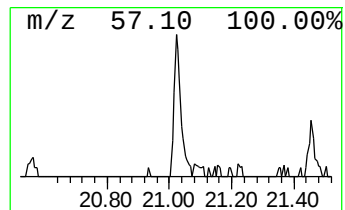
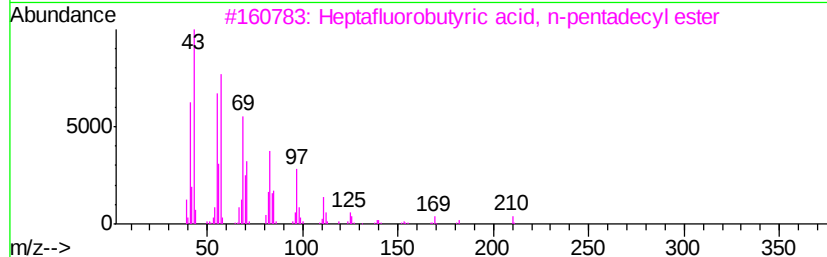
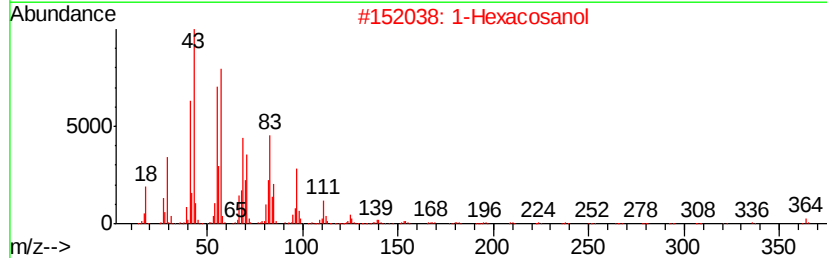
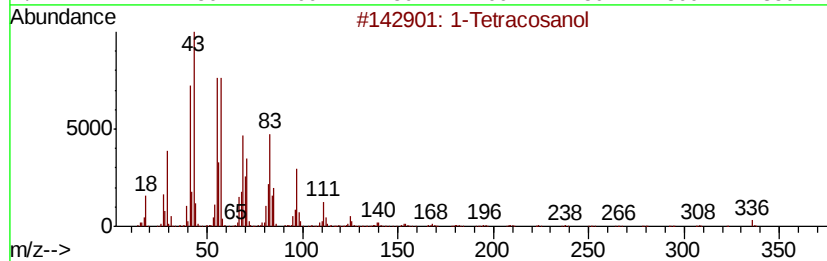
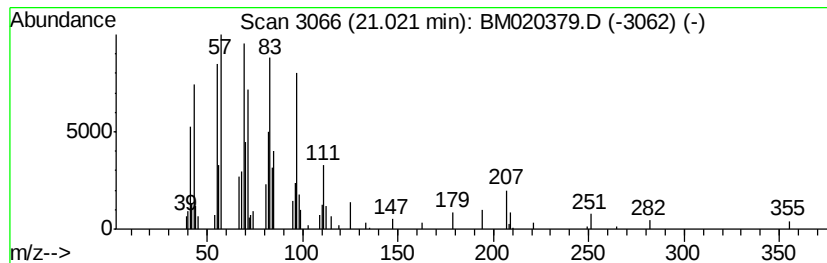
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM051619MA.M  
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 1 1-Tetracosanol Concentration Rank 1

| R.T.    | EstConc                             | Area           | Relative to ISTD | R.T.      |
|---------|-------------------------------------|----------------|------------------|-----------|
| 21.02   | 2.12 ng/ul                          | 101476         | Chrysene-d12     | 21.32     |
| Hit# of | 5                                   | Tentative ID   | MW MolForm       | CAS# Qual |
| 1       | 1-Tetracosanol                      | 354 C24H50O    | 000506-51-4      | 90        |
| 2       | 1-Hexacosanol                       | 382 C26H54O    | 000506-52-5      | 90        |
| 3       | Heptafluorobutyric acid, n-penta... | 424 C19H31F7O2 | 1000216-79-3     | 87        |
| 4       | Bromoacetic acid, pentadecyl ester  | 348 C17H33BrO2 | 131143-01-6      | 87        |
| 5       | 17-Pentatriacontene                 | 491 C35H70     | 006971-40-0      | 83        |



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| TIC Top Hit name | RT    | EstConc | Units | Response | --Internal Standard-- |       |        |      |
|------------------|-------|---------|-------|----------|-----------------------|-------|--------|------|
|                  |       |         |       |          | #                     | RT    | Resp   | Conc |
| 1-Tetracosanol   | 21.02 | 2.1     | ng/ul | 101476   | 5                     | 21.32 | 956387 | 20.0 |