

Data Path : Z:\HPCHEM1\BNA\_M\DATA\BM110517\  
 Data File : BM012774.D  
 Acq On : 06 Nov 2017 13:11  
 Operator : SJ/JU  
 Sample : I5825-02DL 5X  
 Misc :  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 B-63(0-1)-101117DL

## 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-BM110417MA.M  
 Title : SVOA CALIBRATION

Signal : TIC

| peak # | R.T. min | first scan | max scan | last scan | PK TY | peak height | corr. area | corr. % max. | % of total |
|--------|----------|------------|----------|-----------|-------|-------------|------------|--------------|------------|
| 1      | 6.987    | 659        | 663      | 676       | rVB   | 50118       | 92828      | 4.02%        | 0.507%     |
| 2      | 7.145    | 683        | 690      | 696       | rBV   | 41412       | 62610      | 2.71%        | 0.342%     |
| 3      | 7.345    | 719        | 724      | 731       | rVB   | 56770       | 90981      | 3.94%        | 0.497%     |
| 4      | 7.810    | 793        | 803      | 810       | rBV   | 334784      | 535085     | 23.16%       | 2.925%     |
| 5      | 8.522    | 919        | 924      | 932       | rBV   | 67192       | 109645     | 4.75%        | 0.599%     |
| 6      | 8.969    | 993        | 1000     | 1006      | rBV   | 53211       | 85706      | 3.71%        | 0.468%     |
| 7      | 9.686    | 1116       | 1122     | 1132      | rBV   | 46753       | 78566      | 3.40%        | 0.429%     |
| 8      | 10.233   | 1210       | 1215     | 1224      | rBV   | 74492       | 123890     | 5.36%        | 0.677%     |
| 9      | 10.598   | 1269       | 1277     | 1284      | rBV   | 476477      | 823108     | 35.63%       | 4.499%     |
| 10     | 13.857   | 1825       | 1831     | 1836      | rBV   | 164038      | 228623     | 9.90%        | 1.250%     |
| 11     | 13.904   | 1836       | 1839     | 1849      | rVB   | 28304       | 37742      | 1.63%        | 0.206%     |
| 12     | 14.139   | 1873       | 1879     | 1889      | rVB   | 190288      | 280251     | 12.13%       | 1.532%     |
| 13     | 14.451   | 1925       | 1932     | 1939      | rBV2  | 825217      | 1254181    | 54.29%       | 6.855%     |
| 14     | 14.510   | 1939       | 1942     | 1947      | rVB   | 23738       | 30975      | 1.34%        | 0.169%     |
| 15     | 14.680   | 1963       | 1971     | 1981      | rBV2  | 31021       | 58409      | 2.53%        | 0.319%     |
| 16     | 15.439   | 2095       | 2100     | 2106      | rBV   | 258270      | 367457     | 15.91%       | 2.008%     |
| 17     | 15.498   | 2106       | 2110     | 2117      | rVB2  | 22107       | 33771      | 1.46%        | 0.185%     |
| 18     | 15.580   | 2120       | 2124     | 2130      | rBV   | 46431       | 64678      | 2.80%        | 0.353%     |
| 19     | 15.686   | 2134       | 2142     | 2150      | rBV7  | 13423       | 33331      | 1.44%        | 0.182%     |
| 20     | 15.804   | 2155       | 2162     | 2169      | rVB2  | 38169       | 58102      | 2.51%        | 0.318%     |
| 21     | 16.039   | 2198       | 2202     | 2206      | rBV3  | 17774       | 27903      | 1.21%        | 0.153%     |
| 22     | 16.180   | 2219       | 2226     | 2234      | rBV5  | 14871       | 31710      | 1.37%        | 0.173%     |
| 23     | 16.945   | 2350       | 2356     | 2360      | rBV7  | 13440       | 24446      | 1.06%        | 0.134%     |
| 24     | 17.009   | 2360       | 2367     | 2374      | rVB4  | 19570       | 37093      | 1.61%        | 0.203%     |
| 25     | 17.198   | 2392       | 2399     | 2403      | rBV2  | 1106545     | 1646711    | 71.28%       | 9.000%     |
| 26     | 17.233   | 2403       | 2405     | 2410      | rVV   | 350697      | 448919     | 19.43%       | 2.454%     |
| 27     | 17.292   | 2410       | 2415     | 2419      | rVV   | 293912      | 420759     | 18.21%       | 2.300%     |
| 28     | 17.327   | 2419       | 2421     | 2426      | rVB   | 79176       | 91273      | 3.95%        | 0.499%     |
| 29     | 17.603   | 2461       | 2468     | 2473      | rBV   | 37716       | 62065      | 2.69%        | 0.339%     |
| 30     | 18.027   | 2536       | 2540     | 2543      | rBV2  | 46511       | 58789      | 2.54%        | 0.321%     |
| 31     | 18.086   | 2543       | 2550     | 2553      | rVV2  | 148407      | 233414     | 10.10%       | 1.276%     |
| 32     | 18.115   | 2553       | 2555     | 2558      | rVV   | 61511       | 81298      | 3.52%        | 0.444%     |
| 33     | 18.156   | 2558       | 2562     | 2567      | rVV   | 1272127     | 1480481    | 64.08%       | 8.092%     |
| 34     | 18.198   | 2567       | 2569     | 2574      | rVB3  | 35289       | 43706      | 1.89%        | 0.239%     |

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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-BM110417MA.M  
 Title : SVOA CALIBRATION

|    |        |      |      |      |      |         |         |         |         |
|----|--------|------|------|------|------|---------|---------|---------|---------|
| 35 | 18.268 | 2574 | 2581 | 2584 | rBV4 | 80786   | 142400  | 6.16%   | 0.778%  |
| 36 | 18.474 | 2611 | 2616 | 2620 | rBV6 | 35693   | 46183   | 2.00%   | 0.252%  |
| 37 | 18.521 | 2620 | 2624 | 2628 | rVB3 | 18017   | 24986   | 1.08%   | 0.137%  |
| 38 | 18.568 | 2628 | 2632 | 2636 | rBV  | 40330   | 57472   | 2.49%   | 0.314%  |
| 39 | 18.615 | 2636 | 2640 | 2646 | rVV3 | 33313   | 49299   | 2.13%   | 0.269%  |
| 40 | 18.874 | 2678 | 2684 | 2688 | rBV  | 103032  | 164192  | 7.11%   | 0.897%  |
| 41 | 18.986 | 2700 | 2703 | 2711 | rBV3 | 22222   | 46793   | 2.03%   | 0.256%  |
| 42 | 19.133 | 2724 | 2728 | 2735 | rVB3 | 23932   | 45388   | 1.96%   | 0.248%  |
| 43 | 19.250 | 2740 | 2748 | 2754 | rBV  | 893993  | 1229997 | 53.24%  | 6.723%  |
| 44 | 19.362 | 2763 | 2767 | 2772 | rBV4 | 84512   | 122919  | 5.32%   | 0.672%  |
| 45 | 19.586 | 2800 | 2805 | 2807 | rBV2 | 528295  | 721997  | 31.25%  | 3.946%  |
| 46 | 19.615 | 2807 | 2810 | 2818 | rVB  | 682328  | 924825  | 40.03%  | 5.055%  |
| 47 | 19.797 | 2837 | 2841 | 2844 | rBV  | 35893   | 54094   | 2.34%   | 0.296%  |
| 48 | 19.939 | 2861 | 2865 | 2872 | rBV3 | 42155   | 106187  | 4.60%   | 0.580%  |
| 49 | 20.109 | 2891 | 2894 | 2899 | rVB  | 118673  | 170704  | 7.39%   | 0.933%  |
| 50 | 20.209 | 2908 | 2911 | 2915 | rBV2 | 100181  | 124026  | 5.37%   | 0.678%  |
| 51 | 20.509 | 2959 | 2962 | 2965 | rVB  | 118682  | 128489  | 5.56%   | 0.702%  |
| 52 | 21.280 | 3091 | 3093 | 3097 | rVB  | 106124  | 115508  | 5.00%   | 0.631%  |
| 53 | 21.374 | 3103 | 3109 | 3113 | rBV2 | 1456258 | 2310233 | 100.00% | 12.627% |
| 54 | 21.409 | 3113 | 3115 | 3121 | rVB  | 347991  | 382540  | 16.56%  | 2.091%  |
| 55 | 22.950 | 3373 | 3377 | 3382 | rBV2 | 465320  | 1005022 | 43.50%  | 5.493%  |
| 56 | 23.662 | 3493 | 3498 | 3504 | rVB  | 688711  | 1184798 | 51.28%  | 6.476%  |

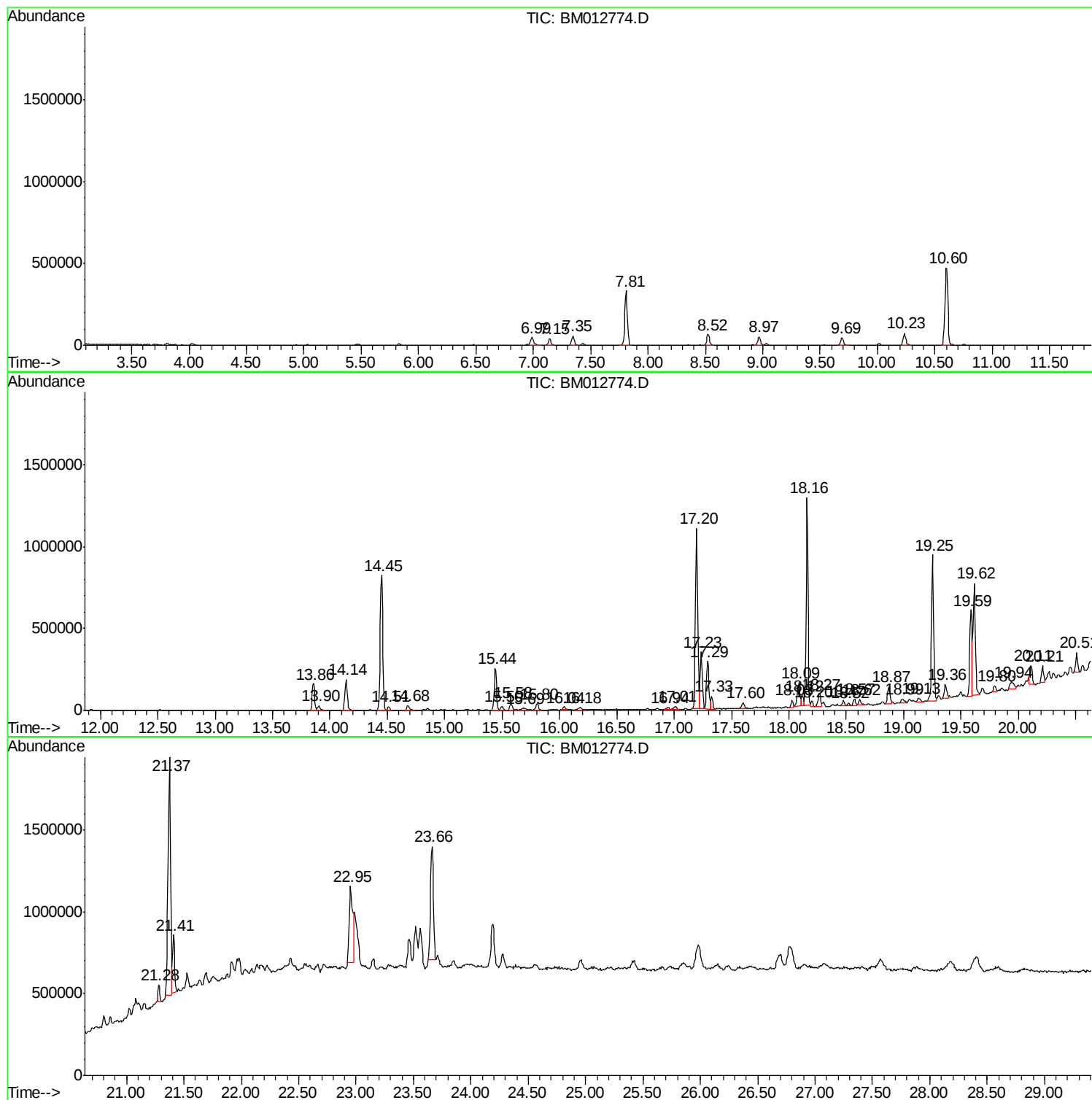
Sum of corrected areas: 18296558

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Quant Method : Z:\HPCHEM1\BNA\_M\Methods\SOM-EPA-BM110417MA.M  
Quant Title : SVOA CALIBRATION

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



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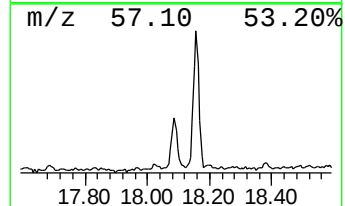
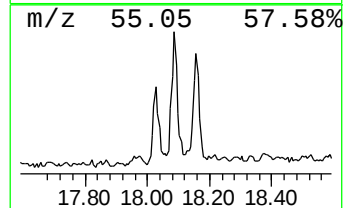
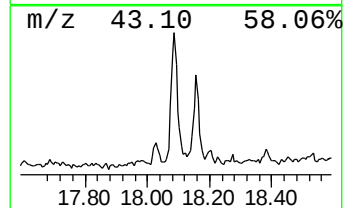
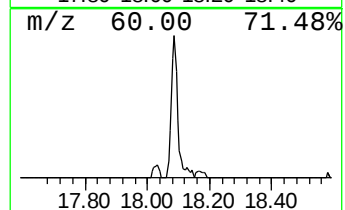
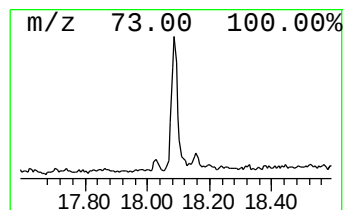
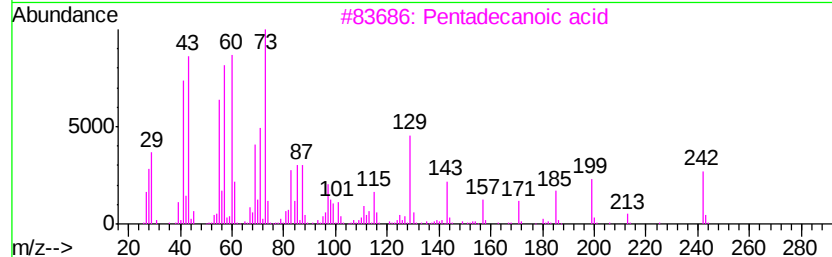
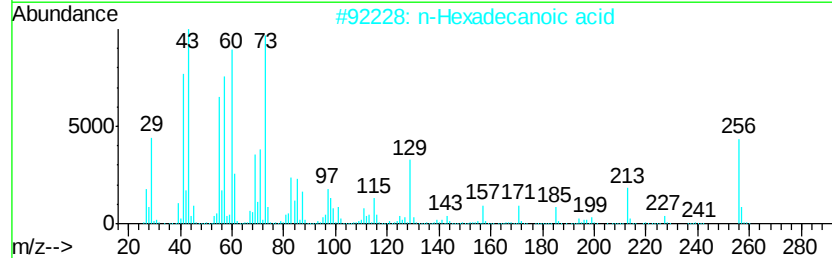
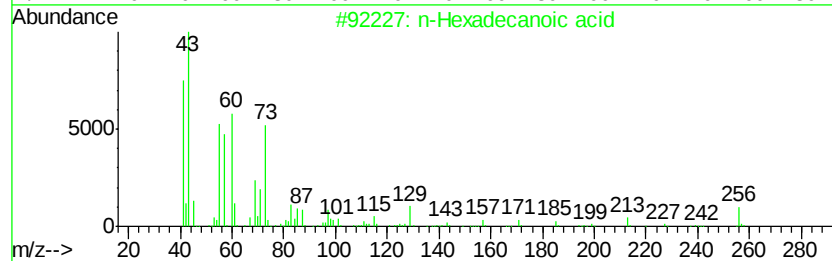
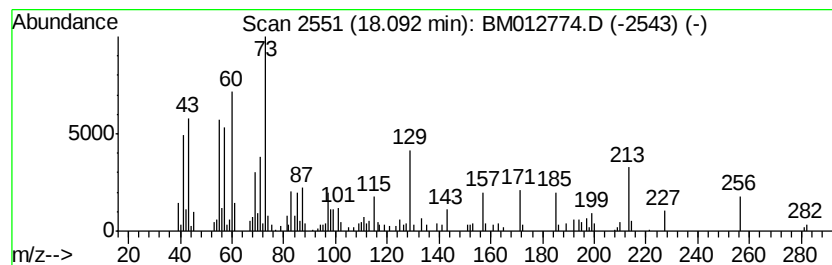
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TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 1 n-Hexadecanoic acid Concentration Rank 1

| R.T.    | EstConc             | Area         | Relative to ISTD | R.T.        |      |      |
|---------|---------------------|--------------|------------------|-------------|------|------|
| 18.09   | 2.83 ng/ul          | 233414       | Phenanthrene-d10 | 17.20       |      |      |
| Hit# of | 5                   | Tentative ID | MW               | MolForm     | CAS# | Qual |
| 1       | n-Hexadecanoic acid | 256          | C16H32O2         | 000057-10-3 | 97   |      |
| 2       | n-Hexadecanoic acid | 256          | C16H32O2         | 000057-10-3 | 93   |      |
| 3       | Pentadecanoic acid  | 242          | C15H30O2         | 001002-84-2 | 74   |      |
| 4       | Tetradecanoic acid  | 228          | C14H28O2         | 000544-63-8 | 64   |      |
| 5       | n-Hexadecanoic acid | 256          | C16H32O2         | 000057-10-3 | 64   |      |



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

| TIC Top Hit name    | RT    | EstConc | Units | Response | ---Internal Standard--- |       |         |      |
|---------------------|-------|---------|-------|----------|-------------------------|-------|---------|------|
|                     |       |         |       |          | #                       | RT    | Resp    | Conc |
| n-Hexadecanoic acid | 18.09 | 2.8     | ng/ul | 233414   | 4                       | 17.20 | 1646710 | 20.0 |