

Data Path : Z:\HPCHEM1\BNA\_M\DATA\BM061017\  
 Data File : BM010519.D  
 Acq On : 11 Jun 2017 11:22  
 Operator : SJ/MA  
 Sample : I3522-17  
 Misc :  
 ALS Vial : 44 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 F5B23

## 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-BM052717.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         | 7.075       | 671           | 678         | 688          | rBV      | 608964         | 1059823       | 19.11%          | 1.839%        |
| 2         | 7.234       | 696           | 705         | 716          | rBV      | 443172         | 682209        | 12.30%          | 1.184%        |
| 3         | 7.428       | 731           | 738         | 748          | rBV      | 739229         | 1176163       | 21.21%          | 2.041%        |
| 4         | 7.892       | 810           | 817         | 828          | rVB      | 793165         | 1293188       | 23.31%          | 2.244%        |
| 5         | 8.616       | 931           | 940         | 946          | rBV      | 744526         | 1253072       | 22.59%          | 2.174%        |
| 6         | 9.075       | 1012          | 1018        | 1026         | rBV      | 648904         | 1049372       | 18.92%          | 1.821%        |
| 7         | 9.786       | 1132          | 1139        | 1149         | rBV      | 596642         | 1028359       | 18.54%          | 1.784%        |
| 8         | 10.322      | 1222          | 1230        | 1240         | rBV      | 966062         | 1655558       | 29.85%          | 2.872%        |
| 9         | 10.692      | 1286          | 1293        | 1299         | rBV      | 971610         | 1650414       | 29.76%          | 2.863%        |
| 10        | 10.745      | 1299          | 1302        | 1309         | rVB      | 42647          | 66526         | 1.20%           | 0.115%        |
| 11        | 10.857      | 1314          | 1321        | 1331         | rBV      | 745665         | 1318771       | 23.78%          | 2.288%        |
| 12        | 13.939      | 1839          | 1845        | 1850         | rBV      | 1740288        | 2498335       | 45.04%          | 4.334%        |
| 13        | 13.986      | 1850          | 1853        | 1861         | rVB      | 958049         | 1300096       | 23.44%          | 2.256%        |
| 14        | 14.227      | 1887          | 1894        | 1906         | rVB      | 1787629        | 2720755       | 49.05%          | 4.720%        |
| 15        | 14.527      | 1938          | 1945        | 1953         | rBV2     | 1493495        | 2257065       | 40.69%          | 3.916%        |
| 16        | 14.768      | 1980          | 1986        | 1998         | rBV      | 421202         | 784137        | 14.14%          | 1.360%        |
| 17        | 14.927      | 2007          | 2013        | 2018         | rVB4     | 25541          | 55646         | 1.00%           | 0.097%        |
| 18        | 15.521      | 2107          | 2114        | 2121         | rBV      | 2346076        | 3368208       | 60.73%          | 5.844%        |
| 19        | 15.645      | 2130          | 2135        | 2141         | rBV      | 533041         | 761250        | 13.72%          | 1.321%        |
| 20        | 16.168      | 2220          | 2224        | 2229         | rBV5     | 40560          | 58586         | 1.06%           | 0.102%        |
| 21        | 17.274      | 2405          | 2412        | 2417         | rBV      | 2007309        | 2832122       | 51.06%          | 4.914%        |
| 22        | 17.315      | 2417          | 2419        | 2423         | rVV      | 109284         | 138789        | 2.50%           | 0.241%        |
| 23        | 17.374      | 2423          | 2429        | 2441         | rVB      | 2775361        | 3864230       | 69.67%          | 6.704%        |
| 24        | 17.698      | 2481          | 2484        | 2489         | rVB3     | 50020          | 72603         | 1.31%           | 0.126%        |
| 25        | 17.992      | 2527          | 2534        | 2538         | rBV9     | 29855          | 72605         | 1.31%           | 0.126%        |
| 26        | 18.121      | 2552          | 2556        | 2565         | rVV3     | 378492         | 514420        | 9.27%           | 0.892%        |
| 27        | 18.345      | 2589          | 2594        | 2598         | rBV5     | 33783          | 57027         | 1.03%           | 0.099%        |
| 28        | 19.209      | 2739          | 2741        | 2746         | rVB2     | 54851          | 63770         | 1.15%           | 0.111%        |
| 29        | 19.327      | 2750          | 2761        | 2767         | rVV      | 582831         | 940392        | 16.95%          | 1.632%        |
| 30        | 19.392      | 2768          | 2772        | 2782         | rVV10    | 185530         | 333941        | 6.02%           | 0.579%        |
| 31        | 19.662      | 2812          | 2818        | 2830         | rBV2     | 3402691        | 5546620       | 100.00%         | 9.623%        |
| 32        | 19.750      | 2830          | 2833        | 2838         | rBV6     | 53779          | 89310         | 1.61%           | 0.155%        |
| 33        | 19.803      | 2838          | 2842        | 2846         | rBV5     | 113893         | 147982        | 2.67%           | 0.257%        |
| 34        | 20.003      | 2873          | 2876        | 2884         | rVB6     | 104061         | 227118        | 4.09%           | 0.394%        |

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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

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Title : SVOA CALIBRATION

|    |        |      |      |      |      |         |         |        |        |
|----|--------|------|------|------|------|---------|---------|--------|--------|
| 35 | 20.315 | 2926 | 2929 | 2930 | rBV2 | 77819   | 81522   | 1.47%  | 0.141% |
| 36 | 20.474 | 2954 | 2956 | 2960 | rBV2 | 88644   | 117928  | 2.13%  | 0.205% |
| 37 | 21.097 | 3058 | 3062 | 3065 | rBV5 | 215927  | 351181  | 6.33%  | 0.609% |
| 38 | 21.168 | 3071 | 3074 | 3078 | rVB2 | 132674  | 158323  | 2.85%  | 0.275% |
| 39 | 21.439 | 3114 | 3120 | 3125 | rBV2 | 3153228 | 4742851 | 85.51% | 8.229% |
| 40 | 21.480 | 3125 | 3127 | 3132 | rVB  | 630575  | 681993  | 12.30% | 1.183% |
| 41 | 23.062 | 3392 | 3396 | 3410 | rVB  | 955963  | 2829590 | 51.01% | 4.909% |
| 42 | 23.627 | 3487 | 3492 | 3498 | rBV2 | 2376035 | 4290038 | 77.35% | 7.443% |
| 43 | 23.780 | 3512 | 3518 | 3524 | rBV  | 1778133 | 3447113 | 62.15% | 5.981% |

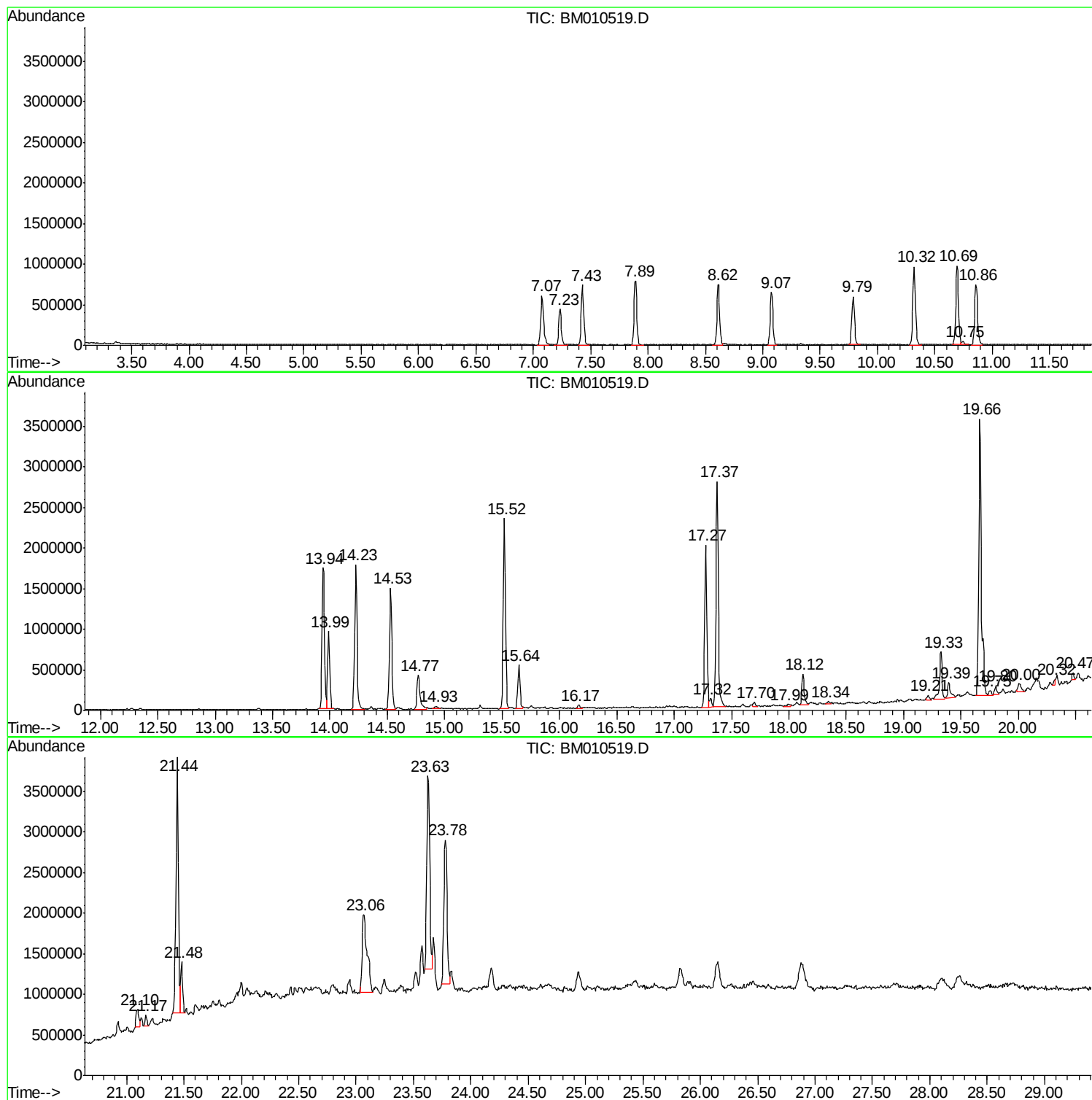
Sum of corrected areas: 57639001

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Quant Method : Z:\HPCHEM1\BNA\_M\Methods\SOM-EPA-BM052717.M  
Quant Title : SVOA CALIBRATION

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



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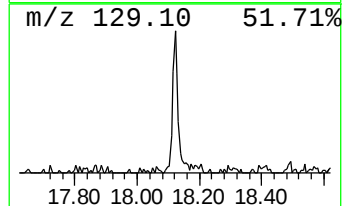
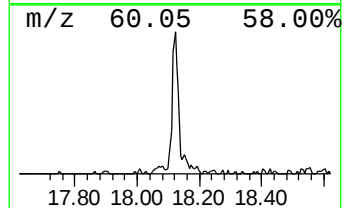
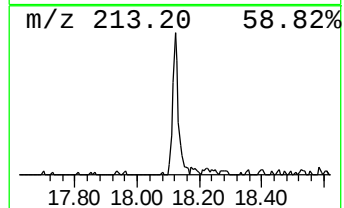
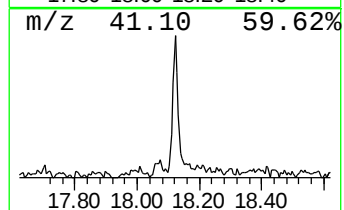
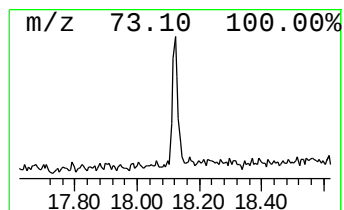
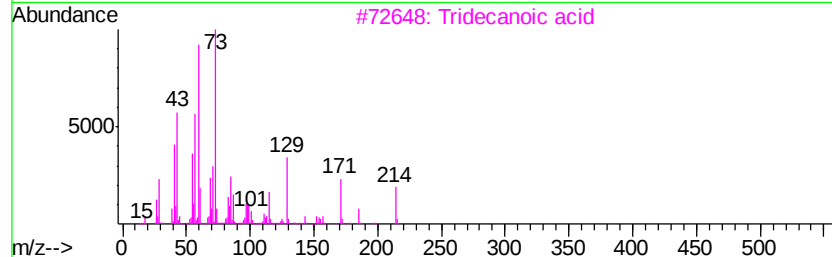
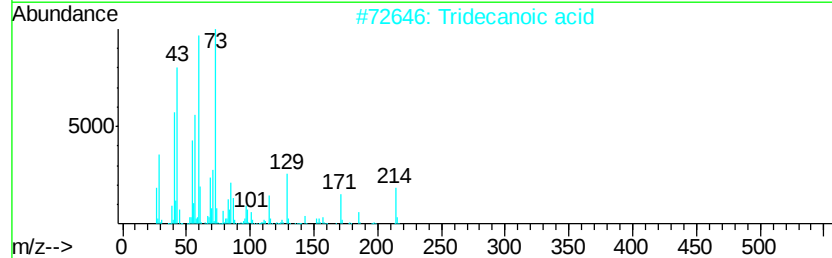
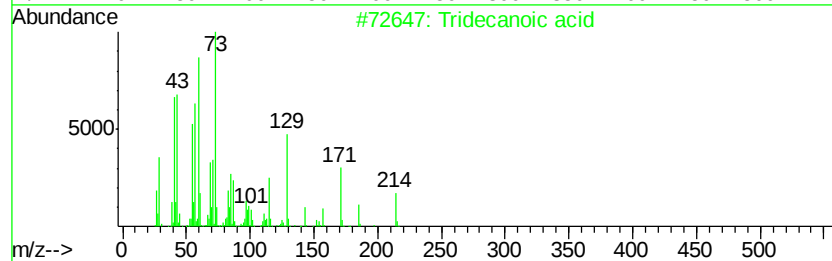
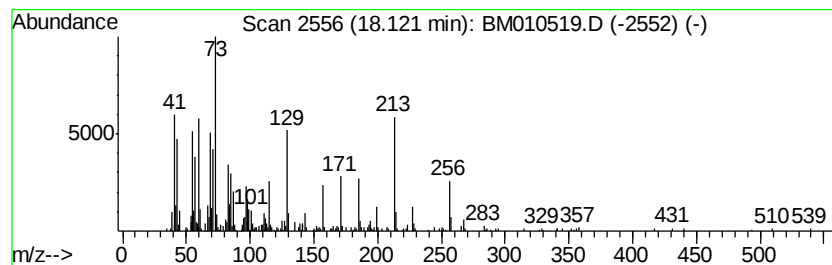
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 1 Tridecanoic acid Concentration Rank 1

| R.T.  | EstConc    | Area   | Relative to ISTD | R.T.  |
|-------|------------|--------|------------------|-------|
| 18.12 | 3.63 ng/ul | 514420 | Phenanthrene-d10 | 17.27 |

| Hit# | of | 5 | Tentative ID        | MW  | MolForm  | CAS#        | Qual |
|------|----|---|---------------------|-----|----------|-------------|------|
| 1    |    |   | Tridecanoic acid    | 214 | C13H26O2 | 000638-53-9 | 95   |
| 2    |    |   | Tridecanoic acid    | 214 | C13H26O2 | 000638-53-9 | 90   |
| 3    |    |   | Tridecanoic acid    | 214 | C13H26O2 | 000638-53-9 | 70   |
| 4    |    |   | Tridecanoic acid    | 214 | C13H26O2 | 000638-53-9 | 64   |
| 5    |    |   | n-Hexadecanoic acid | 256 | C16H32O2 | 000057-10-3 | 55   |



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| TIC Top Hit name | RT    | EstConc | Units | Response | ---Internal Standard--- |       |         |      |
|------------------|-------|---------|-------|----------|-------------------------|-------|---------|------|
|                  |       |         |       |          | #                       | RT    | Resp    | Conc |
| Tridecanoic acid | 18.12 | 3.6     | ng/ul | 514420   | 4                       | 17.27 | 2832120 | 20.0 |