

Data Path : Z:\HPCHEM1\BNA\_G\DATA\BG063016\  
 Data File : BG022742.D  
 Acq On : 1 Jul 2016 1:00  
 Operator : UM/SJ  
 Sample : H3759-14  
 Misc :  
 ALS Vial : 15 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 BDHP4

## 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:\HPCHEM1\BNA\_G\METHODS\SOM02.2-EPA-BG063016.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         | 3.108       | 44            | 46          | 50           | rBV5     | 9161           | 11231         | 0.20%           | 0.021%        |
| 2         | 3.537       | 115           | 119         | 124          | rBV7     | 16033          | 29936         | 0.54%           | 0.055%        |
| 3         | 3.819       | 163           | 167         | 178          | rBV3     | 22109          | 52879         | 0.96%           | 0.098%        |
| 4         | 4.313       | 245           | 251         | 255          | rBV6     | 11501          | 20410         | 0.37%           | 0.038%        |
| 5         | 5.235       | 404           | 408         | 411          | rBV3     | 16445          | 25252         | 0.46%           | 0.047%        |
| 6         | 5.329       | 421           | 424         | 427          | rBV3     | 5160           | 7742          | 0.14%           | 0.014%        |
| 7         | 6.187       | 568           | 570         | 572          | rBV3     | 6725           | 8462          | 0.15%           | 0.016%        |
| 8         | 6.275       | 581           | 585         | 588          | rBV3     | 5880           | 8240          | 0.15%           | 0.015%        |
| 9         | 6.569       | 633           | 635         | 638          | rBV3     | 7038           | 11070         | 0.20%           | 0.021%        |
| 10        | 7.309       | 752           | 761         | 771          | rBV      | 721180         | 1249331       | 22.74%          | 2.314%        |
| 11        | 7.474       | 782           | 789         | 797          | rBV      | 477791         | 805774        | 14.67%          | 1.493%        |
| 12        | 7.685       | 818           | 825         | 833          | rVB      | 656144         | 1124197       | 20.46%          | 2.082%        |
| 13        | 7.756       | 833           | 837         | 838          | rBV4     | 8124           | 9110          | 0.17%           | 0.017%        |
| 14        | 8.155       | 899           | 905         | 916          | rVB      | 395164         | 696933        | 12.69%          | 1.291%        |
| 15        | 8.860       | 1018          | 1025        | 1035         | rBV      | 934057         | 1619939       | 29.49%          | 3.001%        |
| 16        | 9.324       | 1097          | 1104        | 1111         | rBV      | 689321         | 1235586       | 22.49%          | 2.289%        |
| 17        | 9.413       | 1116          | 1119        | 1124         | rVB7     | 13458          | 18398         | 0.33%           | 0.034%        |
| 18        | 9.536       | 1137          | 1140        | 1142         | rVB2     | 6070           | 7276          | 0.13%           | 0.013%        |
| 19        | 9.559       | 1142          | 1144        | 1147         | rBV4     | 6940           | 8175          | 0.15%           | 0.015%        |
| 20        | 9.718       | 1168          | 1171        | 1176         | rVB2     | 13372          | 15582         | 0.28%           | 0.029%        |
| 21        | 10.053      | 1219          | 1228        | 1236         | rBV2     | 647492         | 1168218       | 21.27%          | 2.164%        |
| 22        | 10.188      | 1245          | 1251        | 1256         | rBV5     | 17190          | 36823         | 0.67%           | 0.068%        |
| 23        | 10.599      | 1311          | 1321        | 1332         | rBV      | 974606         | 1794246       | 32.66%          | 3.323%        |
| 24        | 10.981      | 1379          | 1386        | 1394         | rBV      | 619410         | 1100286       | 20.03%          | 2.038%        |
| 25        | 11.116      | 1400          | 1409        | 1420         | rBV2     | 889668         | 1681528       | 30.61%          | 3.115%        |
| 26        | 11.440      | 1461          | 1464        | 1468         | rVB4     | 7821           | 8610          | 0.16%           | 0.016%        |
| 27        | 11.739      | 1511          | 1515        | 1518         | rBV3     | 6855           | 9314          | 0.17%           | 0.017%        |
| 28        | 12.556      | 1648          | 1654        | 1663         | rVB6     | 18459          | 34825         | 0.63%           | 0.065%        |
| 29        | 13.379      | 1789          | 1794        | 1795         | rBV3     | 7018           | 7266          | 0.13%           | 0.013%        |
| 30        | 13.672      | 1841          | 1844        | 1848         | rVB3     | 10458          | 13447         | 0.24%           | 0.025%        |
| 31        | 14.195      | 1926          | 1933        | 1937         | rBV      | 2063594        | 2980384       | 54.25%          | 5.520%        |
| 32        | 14.242      | 1937          | 1941        | 1946         | rVB      | 541975         | 775798        | 14.12%          | 1.437%        |
| 33        | 14.430      | 1971          | 1973        | 1977         | rBV4     | 7703           | 8673          | 0.16%           | 0.016%        |
| 34        | 14.495      | 1977          | 1984        | 1991         | rBV      | 1990440        | 3188528       | 58.04%          | 5.906%        |

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 Title : SVOA CALIBRATION

|    |        |      |      |      |      |         |         |         |         |
|----|--------|------|------|------|------|---------|---------|---------|---------|
| 35 | 14.671 | 2009 | 2014 | 2018 | rBV3 | 22813   | 32282   | 0.59%   | 0.060%  |
| 36 | 14.800 | 2029 | 2036 | 2044 | rBV2 | 1116154 | 1847594 | 33.63%  | 3.422%  |
| 37 | 14.994 | 2062 | 2069 | 2080 | rBV  | 857967  | 1489280 | 27.11%  | 2.759%  |
| 38 | 15.165 | 2096 | 2098 | 2103 | rBV4 | 6890    | 11583   | 0.21%   | 0.021%  |
| 39 | 15.288 | 2116 | 2119 | 2122 | rVB4 | 12639   | 14637   | 0.27%   | 0.027%  |
| 40 | 15.576 | 2164 | 2168 | 2171 | rBV5 | 12749   | 18430   | 0.34%   | 0.034%  |
| 41 | 15.623 | 2171 | 2176 | 2182 | rVB2 | 46020   | 69311   | 1.26%   | 0.128%  |
| 42 | 15.793 | 2198 | 2205 | 2214 | rBV  | 2828441 | 4453889 | 81.07%  | 8.250%  |
| 43 | 15.899 | 2217 | 2223 | 2234 | rBV  | 936882  | 1497801 | 27.26%  | 2.774%  |
| 44 | 16.028 | 2239 | 2245 | 2250 | rVB5 | 48995   | 89944   | 1.64%   | 0.167%  |
| 45 | 16.181 | 2268 | 2271 | 2273 | rBV3 | 12224   | 11616   | 0.21%   | 0.022%  |
| 46 | 16.234 | 2278 | 2280 | 2282 | rBV3 | 8910    | 10117   | 0.18%   | 0.019%  |
| 47 | 16.487 | 2319 | 2323 | 2332 | rBV2 | 91793   | 145066  | 2.64%   | 0.269%  |
| 48 | 16.692 | 2357 | 2358 | 2360 | rBV  | 264942  | 99380   | 1.81%   | 0.184%  |
| 49 | 16.728 | 2361 | 2364 | 2366 | rBV3 | 7481    | 9647    | 0.18%   | 0.018%  |
| 50 | 16.827 | 2379 | 2381 | 2386 | rBV5 | 14367   | 22032   | 0.40%   | 0.041%  |
| 51 | 17.068 | 2418 | 2422 | 2425 | rBV5 | 11710   | 21460   | 0.39%   | 0.040%  |
| 52 | 17.280 | 2454 | 2458 | 2464 | rBV2 | 68504   | 99899   | 1.82%   | 0.185%  |
| 53 | 17.333 | 2465 | 2467 | 2474 | rVB7 | 27280   | 35408   | 0.64%   | 0.066%  |
| 54 | 17.556 | 2498 | 2505 | 2512 | rBV2 | 1592223 | 2497457 | 45.46%  | 4.626%  |
| 55 | 17.656 | 2515 | 2522 | 2530 | rVB2 | 3099087 | 4750958 | 86.48%  | 8.800%  |
| 56 | 17.932 | 2566 | 2569 | 2572 | rVB4 | 10805   | 16116   | 0.29%   | 0.030%  |
| 57 | 18.026 | 2582 | 2585 | 2588 | rVB3 | 20501   | 19741   | 0.36%   | 0.037%  |
| 58 | 18.279 | 2627 | 2628 | 2630 | rBV2 | 9756    | 8317    | 0.15%   | 0.015%  |
| 59 | 18.426 | 2648 | 2653 | 2657 | rBV  | 196293  | 269087  | 4.90%   | 0.498%  |
| 60 | 18.567 | 2675 | 2677 | 2678 | rBV2 | 10478   | 7697    | 0.14%   | 0.014%  |
| 61 | 18.631 | 2686 | 2688 | 2690 | rBV3 | 9275    | 7397    | 0.13%   | 0.014%  |
| 62 | 19.219 | 2784 | 2788 | 2794 | rBV8 | 14796   | 33155   | 0.60%   | 0.061%  |
| 63 | 19.571 | 2844 | 2848 | 2856 | rVB2 | 49748   | 72625   | 1.32%   | 0.135%  |
| 64 | 19.683 | 2865 | 2867 | 2874 | rBV7 | 42603   | 60166   | 1.10%   | 0.111%  |
| 65 | 19.936 | 2904 | 2910 | 2918 | rBV  | 3693416 | 5493605 | 100.00% | 10.176% |
| 66 | 21.851 | 3230 | 3236 | 3244 | rVB2 | 1786626 | 2910097 | 52.97%  | 5.390%  |
| 67 | 24.988 | 3760 | 3770 | 3783 | rVB3 | 1767623 | 5303014 | 96.53%  | 9.823%  |
| 68 | 25.218 | 3800 | 3809 | 3821 | rVB2 | 972304  | 2785738 | 50.71%  | 5.160%  |

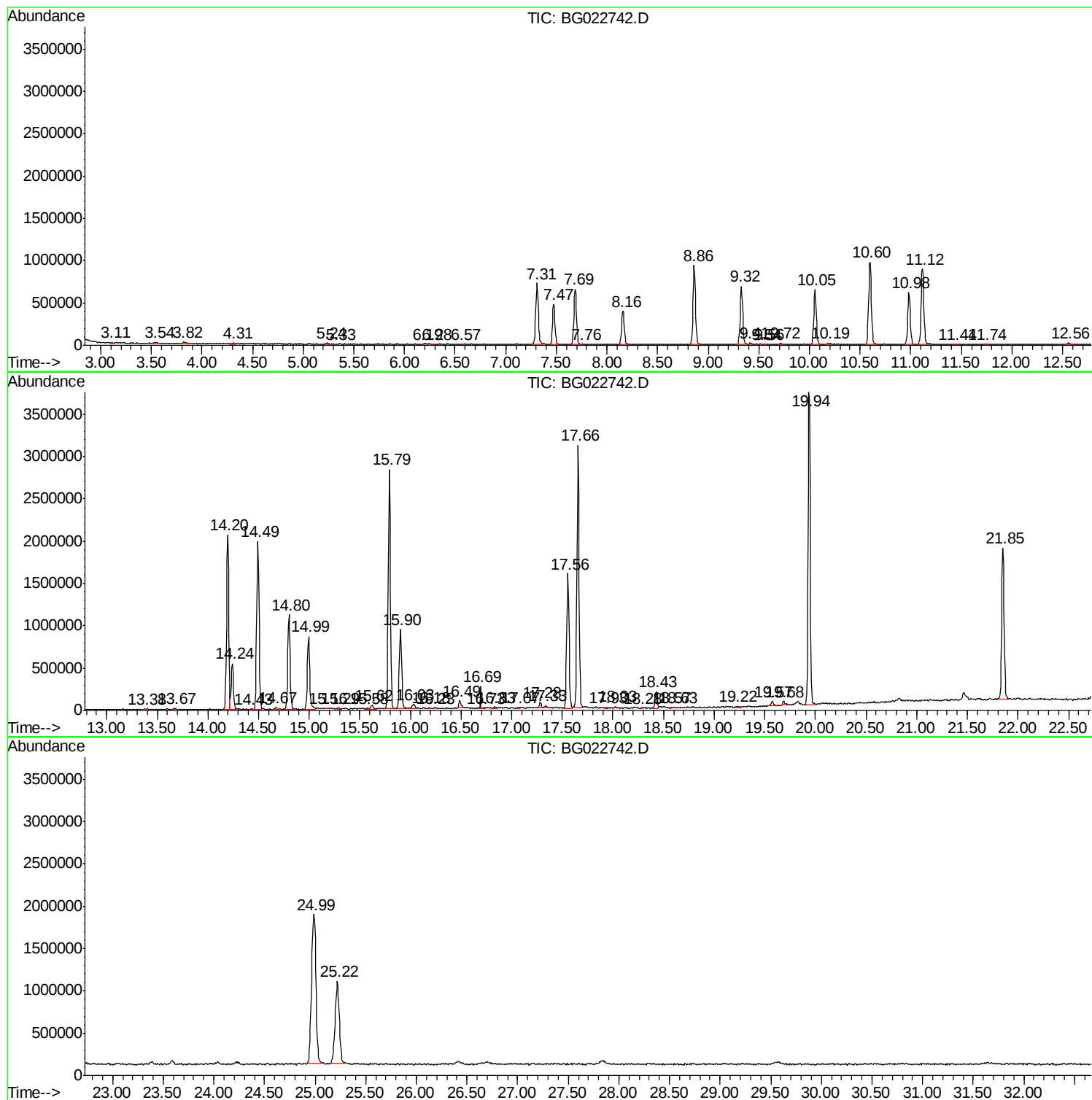
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Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\SOM02.2-EPA-BG063016.M  
Quant Title : SVOA CALIBRATION

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



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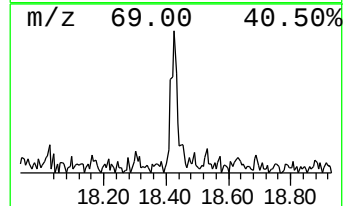
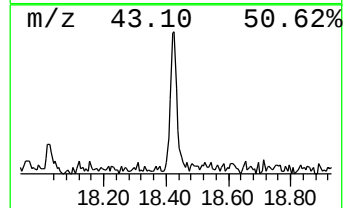
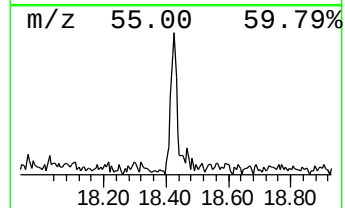
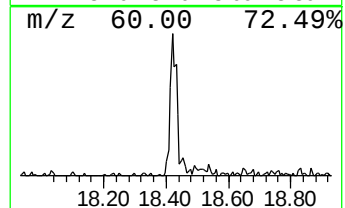
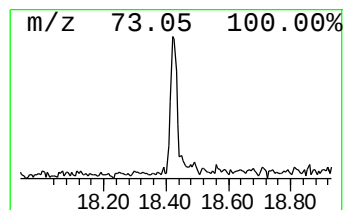
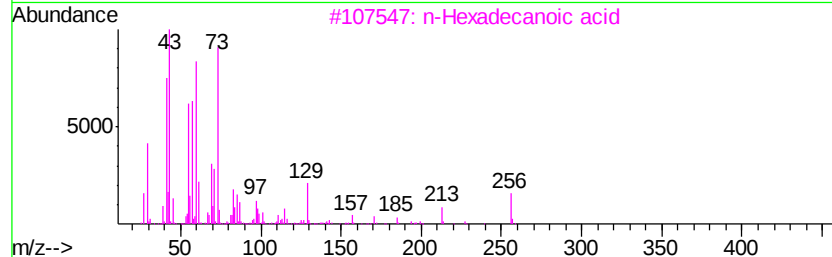
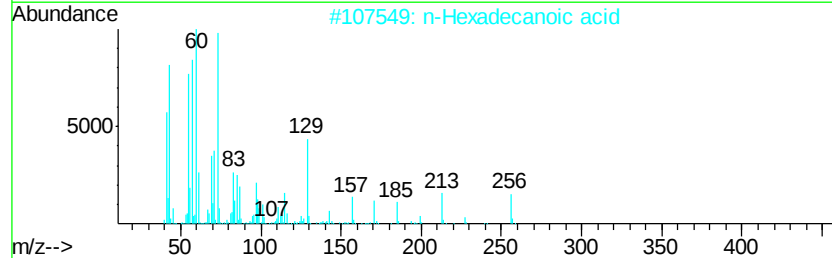
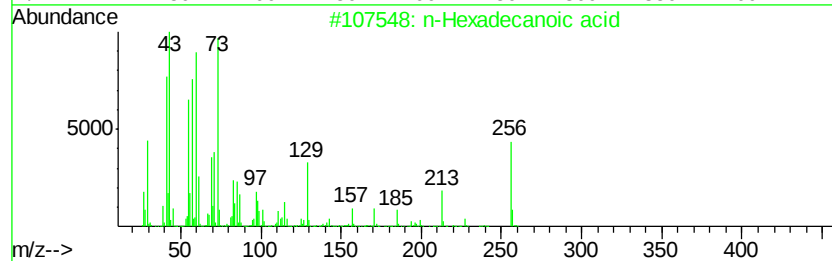
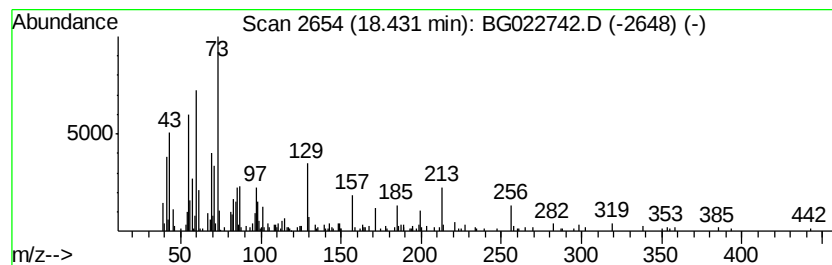
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 1 n-Hexadecanoic acid Concentration Rank 1

| R.T.  | EstConc    | Area   | Relative to ISTD | R.T.  |
|-------|------------|--------|------------------|-------|
| 18.43 | 2.15 ng/ul | 269087 | Phenanthrene-d10 | 17.56 |

| Hit# | of | Tentative ID        | MW  | MolForm  | CAS#        | Qual |
|------|----|---------------------|-----|----------|-------------|------|
| 1    | 5  | n-Hexadecanoic acid | 256 | C16H32O2 | 000057-10-3 | 86   |
| 2    |    | n-Hexadecanoic acid | 256 | C16H32O2 | 000057-10-3 | 83   |
| 3    |    | n-Hexadecanoic acid | 256 | C16H32O2 | 000057-10-3 | 70   |
| 4    |    | Tridecanoic acid    | 214 | C13H26O2 | 000638-53-9 | 53   |
| 5    |    | Octadecanoic acid   | 284 | C18H36O2 | 000057-11-4 | 53   |



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| TIC Top Hit name    | RT    | EstConc | Units | Response | --Internal Standard-- |       |         |      |
|---------------------|-------|---------|-------|----------|-----------------------|-------|---------|------|
|                     |       |         |       |          | #                     | RT    | Resp    | Conc |
| n-Hexadecanoic acid | 18.43 | 2.1     | ng/ul | 269087   | 4                     | 17.56 | 2497460 | 20.0 |