

Data Path : Z:\HPCHEM1\BNA M\DATA\BM111715\  
 Data File : BM003147.D  
 Acq On : 16 Nov 2015 17:48  
 Operator : UM/IZ  
 Sample : G4309-23  
 Misc :  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 D9KL5

## 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\_M\METHODS\SOM02.2-EPA-BM103015.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         | 3.205       | 16            | 20          | 26           | rBV      | 26733          | 32011         | 1.20%           | 0.116%        |
| 2         | 3.475       | 63            | 66          | 71           | rBV      | 4560           | 5606          | 0.21%           | 0.020%        |
| 3         | 4.046       | 159           | 163         | 167          | rBV2     | 3758           | 4329          | 0.16%           | 0.016%        |
| 4         | 4.163       | 179           | 183         | 187          | rVB2     | 3789           | 4755          | 0.18%           | 0.017%        |
| 5         | 4.575       | 249           | 253         | 257          | rBV3     | 3114           | 4468          | 0.17%           | 0.016%        |
| 6         | 4.857       | 296           | 301         | 308          | rBV3     | 12891          | 21745         | 0.81%           | 0.079%        |
| 7         | 6.140       | 515           | 519         | 523          | rBV2     | 2864           | 3476          | 0.13%           | 0.013%        |
| 8         | 6.269       | 538           | 541         | 546          | rBV      | 4473           | 5951          | 0.22%           | 0.022%        |
| 9         | 6.434       | 566           | 569         | 574          | rVB      | 2986           | 3627          | 0.14%           | 0.013%        |
| 10        | 6.904       | 643           | 649         | 660          | rVB      | 423070         | 650952        | 24.34%          | 2.355%        |
| 11        | 7.081       | 671           | 679         | 690          | rBV      | 348200         | 540643        | 20.21%          | 1.956%        |
| 12        | 7.275       | 705           | 712         | 720          | rBV      | 464489         | 710408        | 26.56%          | 2.570%        |
| 13        | 7.340       | 720           | 723         | 730          | rVB      | 2572           | 4411          | 0.16%           | 0.016%        |
| 14        | 7.745       | 785           | 792         | 799          | rBV      | 409133         | 631943        | 23.63%          | 2.286%        |
| 15        | 7.804       | 799           | 802         | 806          | rVB      | 3672           | 4471          | 0.17%           | 0.016%        |
| 16        | 8.445       | 904           | 911         | 920          | rVB      | 548459         | 851742        | 31.84%          | 3.081%        |
| 17        | 8.898       | 981           | 988         | 996          | rVB      | 394861         | 618424        | 23.12%          | 2.237%        |
| 18        | 9.004       | 1001          | 1006        | 1011         | rVB2     | 2751           | 3982          | 0.15%           | 0.014%        |
| 19        | 9.622       | 1104          | 1111        | 1119         | rBB      | 315888         | 507457        | 18.97%          | 1.836%        |
| 20        | 9.834       | 1143          | 1147        | 1156         | rBV2     | 5994           | 8973          | 0.34%           | 0.032%        |
| 21        | 10.151      | 1194          | 1201        | 1210         | rBV      | 521688         | 850755        | 31.81%          | 3.077%        |
| 22        | 10.534      | 1259          | 1266        | 1274         | rBV      | 550269         | 922180        | 34.48%          | 3.336%        |
| 23        | 10.669      | 1282          | 1289        | 1299         | rBV      | 527940         | 859449        | 32.13%          | 3.109%        |
| 24        | 11.739      | 1467          | 1471        | 1477         | rBV3     | 2932           | 4150          | 0.16%           | 0.015%        |
| 25        | 12.128      | 1533          | 1537        | 1542         | rVB      | 7552           | 10415         | 0.39%           | 0.038%        |
| 26        | 12.739      | 1637          | 1641        | 1646         | rVB      | 13364          | 18124         | 0.68%           | 0.066%        |
| 27        | 12.992      | 1679          | 1684        | 1688         | rBV      | 22418          | 30642         | 1.15%           | 0.111%        |
| 28        | 13.610      | 1786          | 1789        | 1795         | rVB      | 2559           | 3479          | 0.13%           | 0.013%        |
| 29        | 13.798      | 1815          | 1821        | 1826         | rBV      | 920993         | 1259310       | 47.08%          | 4.555%        |
| 30        | 13.845      | 1826          | 1829        | 1835         | rVB      | 290476         | 366377        | 13.70%          | 1.325%        |
| 31        | 14.080      | 1863          | 1869        | 1882         | rBV      | 1021933        | 1531500       | 57.26%          | 5.540%        |
| 32        | 14.292      | 1902          | 1905        | 1911         | rBV      | 7024           | 9830          | 0.37%           | 0.036%        |
| 33        | 14.392      | 1915          | 1922        | 1931         | rVB2     | 783878         | 1181659       | 44.18%          | 4.274%        |
| 34        | 14.580      | 1948          | 1954        | 1961         | rBV      | 417425         | 560400        | 20.95%          | 2.027%        |

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 Title : SVOA CALIBRATION

|    |        |      |      |      |      |         |         |        |        |
|----|--------|------|------|------|------|---------|---------|--------|--------|
| 35 | 14.798 | 1988 | 1991 | 1994 | rBV2 | 2931    | 2835    | 0.11%  | 0.010% |
| 36 | 15.192 | 2054 | 2058 | 2063 | rVV2 | 7090    | 9080    | 0.34%  | 0.033% |
| 37 | 15.245 | 2063 | 2067 | 2071 | rVB  | 13953   | 17340   | 0.65%  | 0.063% |
| 38 | 15.386 | 2084 | 2091 | 2099 | rVB  | 1341542 | 1927276 | 72.05% | 6.971% |
| 39 | 15.498 | 2104 | 2110 | 2116 | rVB  | 343751  | 449042  | 16.79% | 1.624% |
| 40 | 15.627 | 2127 | 2132 | 2135 | rBV  | 11913   | 16506   | 0.62%  | 0.060% |
| 41 | 16.110 | 2209 | 2214 | 2223 | rVB  | 17155   | 30512   | 1.14%  | 0.110% |
| 42 | 16.280 | 2239 | 2243 | 2249 | rVB  | 26776   | 32413   | 1.21%  | 0.117% |
| 43 | 16.451 | 2269 | 2272 | 2276 | rBV2 | 2123    | 2811    | 0.11%  | 0.010% |
| 44 | 16.533 | 2284 | 2286 | 2291 | rVV3 | 3825    | 3537    | 0.13%  | 0.013% |
| 45 | 16.615 | 2297 | 2300 | 2305 | rBV2 | 2173    | 2894    | 0.11%  | 0.010% |
| 46 | 16.898 | 2344 | 2348 | 2354 | rBV2 | 18935   | 27199   | 1.02%  | 0.098% |
| 47 | 16.951 | 2354 | 2357 | 2361 | rVB2 | 4556    | 6879    | 0.26%  | 0.025% |
| 48 | 17.133 | 2382 | 2388 | 2396 | rBV2 | 972596  | 1365012 | 51.03% | 4.938% |
| 49 | 17.233 | 2398 | 2405 | 2415 | rBV2 | 1453808 | 2029070 | 75.86% | 7.340% |
| 50 | 17.515 | 2449 | 2453 | 2457 | rBV3 | 7243    | 10182   | 0.38%  | 0.037% |
| 51 | 17.639 | 2470 | 2474 | 2479 | rVB  | 11016   | 13524   | 0.51%  | 0.049% |
| 52 | 17.904 | 2514 | 2519 | 2523 | rVB4 | 3060    | 5320    | 0.20%  | 0.019% |
| 53 | 18.027 | 2535 | 2540 | 2549 | rBV  | 109278  | 147119  | 5.50%  | 0.532% |
| 54 | 18.333 | 2588 | 2592 | 2595 | rBV2 | 5060    | 6415    | 0.24%  | 0.023% |
| 55 | 18.462 | 2610 | 2614 | 2619 | rVB4 | 3895    | 5380    | 0.20%  | 0.019% |
| 56 | 18.704 | 2651 | 2655 | 2656 | rBV3 | 2626    | 2959    | 0.11%  | 0.011% |
| 57 | 18.898 | 2684 | 2688 | 2692 | rBV3 | 3287    | 5550    | 0.21%  | 0.020% |
| 58 | 18.962 | 2697 | 2699 | 2704 | rBV3 | 2693    | 3022    | 0.11%  | 0.011% |
| 59 | 19.168 | 2726 | 2734 | 2736 | rBV  | 19749   | 27232   | 1.02%  | 0.099% |
| 60 | 19.192 | 2736 | 2738 | 2746 | rVB4 | 9544    | 15141   | 0.57%  | 0.055% |
| 61 | 19.315 | 2755 | 2759 | 2766 | rBV2 | 39095   | 51781   | 1.94%  | 0.187% |
| 62 | 19.421 | 2773 | 2777 | 2781 | rVB2 | 11406   | 13631   | 0.51%  | 0.049% |
| 63 | 19.533 | 2790 | 2796 | 2802 | rBV2 | 1779431 | 2387434 | 89.26% | 8.636% |
| 64 | 19.574 | 2802 | 2803 | 2808 | rVB2 | 4196    | 4718    | 0.18%  | 0.017% |
| 65 | 20.051 | 2880 | 2884 | 2887 | rBV2 | 5178    | 7952    | 0.30%  | 0.029% |
| 66 | 20.080 | 2887 | 2889 | 2894 | rVV4 | 2939    | 4330    | 0.16%  | 0.016% |
| 67 | 20.351 | 2931 | 2935 | 2939 | rBV2 | 13757   | 17800   | 0.67%  | 0.064% |
| 68 | 20.456 | 2951 | 2953 | 2957 | rVB2 | 10633   | 11817   | 0.44%  | 0.043% |
| 69 | 20.562 | 2969 | 2971 | 2977 | rVB7 | 3182    | 4437    | 0.17%  | 0.016% |
| 70 | 20.686 | 2990 | 2992 | 2997 | rVB3 | 3019    | 3525    | 0.13%  | 0.013% |
| 71 | 21.039 | 3048 | 3052 | 3064 | rVB  | 124510  | 149732  | 5.60%  | 0.542% |

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|----|--------|------|------|------|------|---------|---------|---------|--------|
| 72 | 21.245 | 3084 | 3087 | 3089 | rBV  | 10778   | 10679   | 0.40%   | 0.039% |
| 73 | 21.274 | 3089 | 3092 | 3096 | rVV  | 21471   | 26855   | 1.00%   | 0.097% |
| 74 | 21.327 | 3096 | 3101 | 3107 | rVV  | 1328963 | 1707262 | 63.83%  | 6.176% |
| 75 | 21.374 | 3107 | 3109 | 3113 | rVB3 | 21648   | 21929   | 0.82%   | 0.079% |
| 76 | 21.486 | 3126 | 3128 | 3131 | rBV3 | 6358    | 5326    | 0.20%   | 0.019% |
| 77 | 22.380 | 3277 | 3280 | 3285 | rVB3 | 29535   | 37959   | 1.42%   | 0.137% |
| 78 | 22.521 | 3299 | 3304 | 3310 | rVB  | 52616   | 72118   | 2.70%   | 0.261% |
| 79 | 22.839 | 3356 | 3358 | 3364 | rVB3 | 13505   | 20533   | 0.77%   | 0.074% |
| 80 | 22.903 | 3365 | 3369 | 3372 | rVB  | 19490   | 27424   | 1.03%   | 0.099% |
| 81 | 23.074 | 3394 | 3398 | 3407 | rVB  | 41648   | 67062   | 2.51%   | 0.243% |
| 82 | 23.444 | 3454 | 3461 | 3475 | rBV  | 1417563 | 2674805 | 100.00% | 9.675% |
| 83 | 23.592 | 3479 | 3486 | 3499 | rVB  | 908086  | 1740044 | 65.05%  | 6.294% |
| 84 | 24.127 | 3574 | 3577 | 3584 | rVB2 | 25107   | 40503   | 1.51%   | 0.147% |
| 85 | 24.209 | 3586 | 3591 | 3596 | rVV6 | 25616   | 54378   | 2.03%   | 0.197% |
| 86 | 24.274 | 3597 | 3602 | 3608 | rVB  | 43833   | 89433   | 3.34%   | 0.324% |

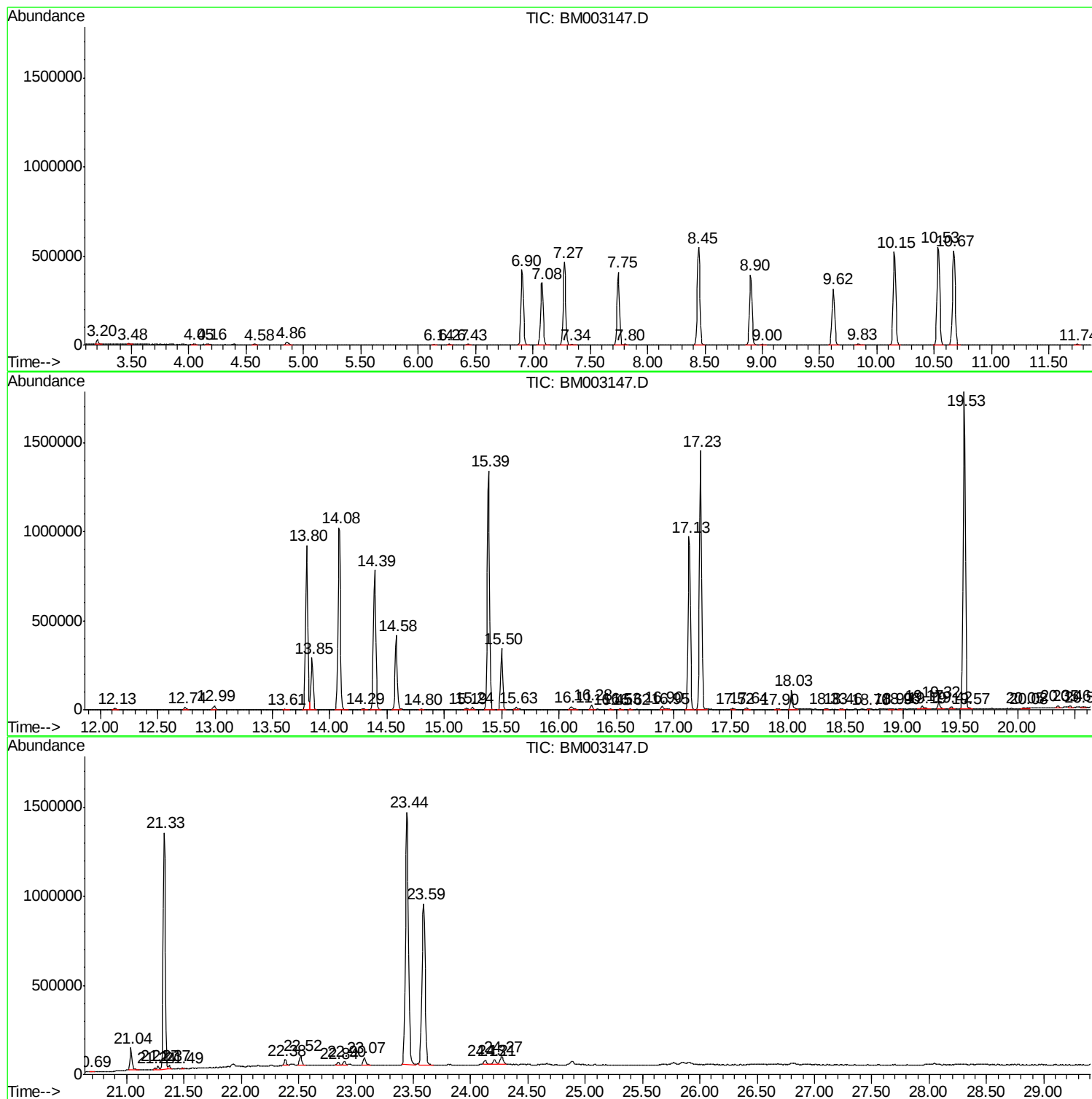
Sum of corrected areas: 27645361

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Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM02.2-EPA-BM103015.M  
Quant Title : SVOA CALIBRATION

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



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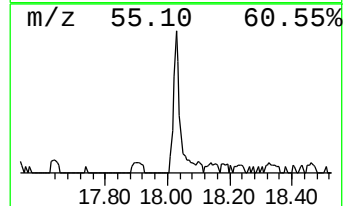
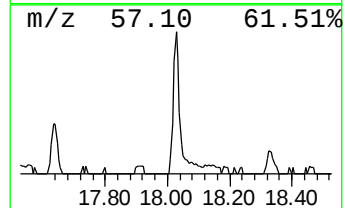
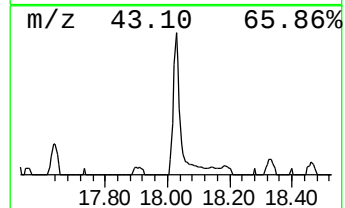
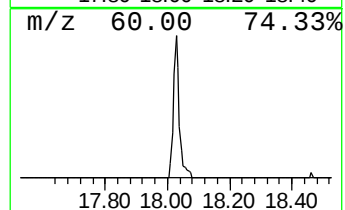
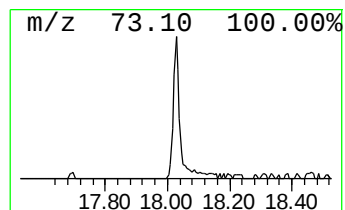
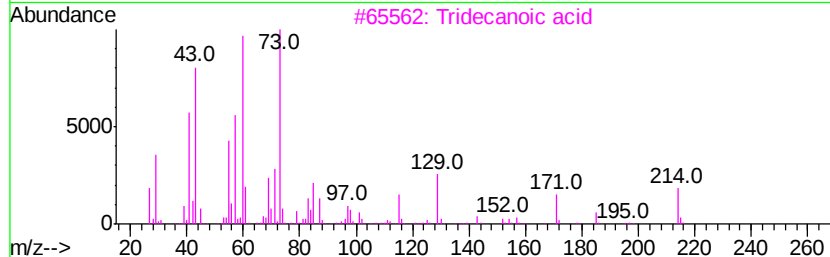
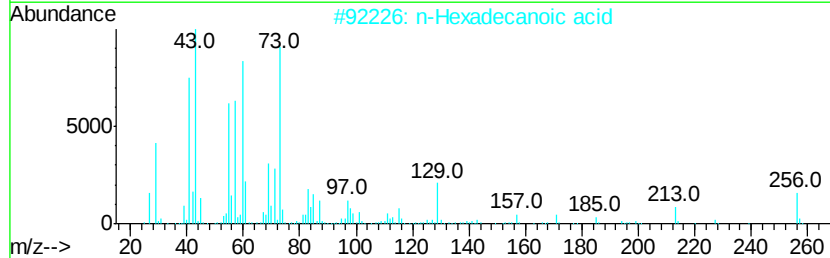
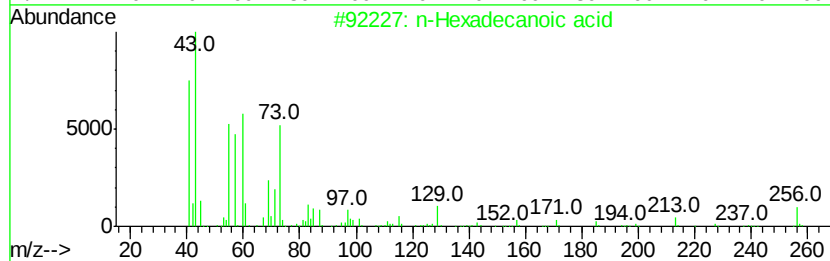
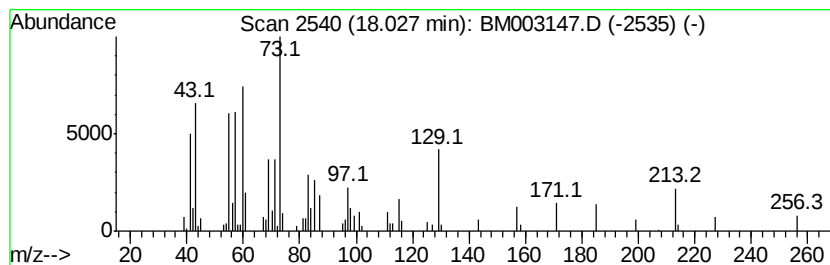
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 1 n-Hexadecanoic acid Concentration Rank 1

| R.T.  | EstConc    | Area   | Relative to ISTD | R.T.  |
|-------|------------|--------|------------------|-------|
| 18.03 | 2.16 ng/ul | 147119 | Phenanthrene-d10 | 17.13 |

| Hit# | of | 5 | Tentative ID        | MW  | MolForm  | CAS#        | Qual |
|------|----|---|---------------------|-----|----------|-------------|------|
| 1    |    |   | n-Hexadecanoic acid | 256 | C16H32O2 | 000057-10-3 | 93   |
| 2    |    |   | n-Hexadecanoic acid | 256 | C16H32O2 | 000057-10-3 | 90   |
| 3    |    |   | Tridecanoic acid    | 214 | C13H26O2 | 000638-53-9 | 76   |
| 4    |    |   | Tridecanoic acid    | 214 | C13H26O2 | 000638-53-9 | 70   |
| 5    |    |   | Tetradecanoic acid  | 228 | C14H28O2 | 000544-63-8 | 64   |



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| TIC Top Hit name    | RT    | EstConc | Units | Response | --Internal Standard-- |       |         |      |
|---------------------|-------|---------|-------|----------|-----------------------|-------|---------|------|
|                     |       |         |       |          | #                     | RT    | Resp    | Conc |
| n-Hexadecanoic acid | 18.03 | 2.2     | ng/ul | 147119   | 4                     | 17.13 | 1365010 | 20.0 |