

Data Path : Z:\HPCHEM1\BNA G\DATA\BG083017\  
 Data File : BG028564.D  
 Acq On : 30 Aug 2017 22:19  
 Operator : SJ/JU  
 Sample : I4917-04  
 Misc :  
 ALS Vial : 17 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 B0B38

## Integration Parameters: LSCINT.P

Integrator: RTE  
 Smoothing : ON  
 Sampling : 1  
 Start Thrs: 0.1  
 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: 1

Method : Z:\HPCHEM1\BNA\_G\METHODS\SOM-EPA-BG080217.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         | 3.823       | 35            | 40          | 46           | rVB      | 10709          | 17489         | 0.90%           | 0.091%        |
| 2         | 4.311       | 117           | 123         | 128          | rVB4     | 1471           | 3793          | 0.19%           | 0.020%        |
| 3         | 4.758       | 193           | 199         | 204          | rBV2     | 7135           | 9009          | 0.46%           | 0.047%        |
| 4         | 5.163       | 263           | 268         | 273          | rBV5     | 3153           | 5483          | 0.28%           | 0.029%        |
| 5         | 5.328       | 292           | 296         | 300          | rVB4     | 1973           | 3530          | 0.18%           | 0.018%        |
| 6         | 6.420       | 476           | 482         | 486          | rVB2     | 2631           | 5340          | 0.27%           | 0.028%        |
| 7         | 6.556       | 495           | 505         | 511          | rBV5     | 2635           | 7020          | 0.36%           | 0.037%        |
| 8         | 6.973       | 571           | 576         | 580          | rBV4     | 2157           | 2905          | 0.15%           | 0.015%        |
| 9         | 7.331       | 633           | 637         | 641          | rBV3     | 2997           | 5678          | 0.29%           | 0.030%        |
| 10        | 7.496       | 657           | 665         | 679          | rBV      | 263190         | 523348        | 26.81%          | 2.730%        |
| 11        | 7.654       | 684           | 692         | 703          | rVB      | 179068         | 313339        | 16.05%          | 1.635%        |
| 12        | 7.878       | 723           | 730         | 744          | rVB      | 238947         | 435252        | 22.30%          | 2.271%        |
| 13        | 8.342       | 801           | 809         | 821          | rBV      | 150168         | 266622        | 13.66%          | 1.391%        |
| 14        | 8.671       | 863           | 865         | 872          | rBV2     | 1668           | 3273          | 0.17%           | 0.017%        |
| 15        | 9.041       | 920           | 928         | 945          | rVB      | 345865         | 632360        | 32.40%          | 3.299%        |
| 16        | 9.346       | 973           | 980         | 984          | rVB3     | 1556           | 3571          | 0.18%           | 0.019%        |
| 17        | 9.511       | 996           | 1008        | 1017         | rBV      | 266143         | 505935        | 25.92%          | 2.639%        |
| 18        | 9.605       | 1020          | 1024        | 1036         | rVB4     | 4457           | 10013         | 0.51%           | 0.052%        |
| 19        | 9.858       | 1065          | 1067        | 1073         | rBV3     | 2095           | 3475          | 0.18%           | 0.018%        |
| 20        | 10.234      | 1121          | 1131        | 1141         | rBV      | 240330         | 453575        | 23.24%          | 2.366%        |
| 21        | 10.780      | 1214          | 1224        | 1241         | rBV      | 357122         | 681254        | 34.91%          | 3.554%        |
| 22        | 11.162      | 1278          | 1289        | 1300         | rVB      | 213170         | 394409        | 20.21%          | 2.058%        |
| 23        | 11.297      | 1300          | 1312        | 1327         | rBV      | 311744         | 624061        | 31.97%          | 3.256%        |
| 24        | 11.532      | 1347          | 1352        | 1357         | rBV2     | 1378           | 2966          | 0.15%           | 0.015%        |
| 25        | 12.613      | 1529          | 1536        | 1540         | rBV2     | 1889           | 3429          | 0.18%           | 0.018%        |
| 26        | 12.725      | 1550          | 1555        | 1562         | rBV3     | 5631           | 11363         | 0.58%           | 0.059%        |
| 27        | 13.295      | 1649          | 1652        | 1656         | rBV4     | 1905           | 3181          | 0.16%           | 0.017%        |
| 28        | 13.600      | 1699          | 1704        | 1711         | rBV5     | 2288           | 3995          | 0.20%           | 0.021%        |
| 29        | 13.730      | 1724          | 1726        | 1735         | rVB3     | 2107           | 4203          | 0.22%           | 0.022%        |
| 30        | 13.824      | 1735          | 1742        | 1745         | rBV4     | 2107           | 3227          | 0.17%           | 0.017%        |
| 31        | 14.341      | 1820          | 1830        | 1835         | rVV      | 725452         | 1079819       | 55.33%          | 5.633%        |
| 32        | 14.388      | 1835          | 1838        | 1852         | rVB      | 178652         | 242951        | 12.45%          | 1.267%        |
| 33        | 14.652      | 1870          | 1883        | 1892         | rVB      | 754220         | 1223973       | 62.71%          | 6.385%        |
| 34        | 14.805      | 1901          | 1909        | 1913         | rBV2     | 10820          | 15776         | 0.81%           | 0.082%        |

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 Title : SVOA CALIBRATION

|    |        |      |      |      |      |         |         |        |        |
|----|--------|------|------|------|------|---------|---------|--------|--------|
| 35 | 14.952 | 1926 | 1934 | 1945 | rVB2 | 324893  | 541050  | 27.72% | 2.823% |
| 36 | 15.157 | 1960 | 1969 | 1990 | rBV  | 225106  | 487690  | 24.99% | 2.544% |
| 37 | 15.292 | 1990 | 1992 | 1997 | rVV4 | 3067    | 4853    | 0.25%  | 0.025% |
| 38 | 15.357 | 2001 | 2003 | 2009 | rVB2 | 5972    | 6858    | 0.35%  | 0.036% |
| 39 | 15.416 | 2009 | 2013 | 2020 | rVB4 | 4231    | 7858    | 0.40%  | 0.041% |
| 40 | 15.492 | 2022 | 2026 | 2034 | rBV8 | 2180    | 4410    | 0.23%  | 0.023% |
| 41 | 15.710 | 2057 | 2063 | 2065 | rBV5 | 3197    | 4972    | 0.25%  | 0.026% |
| 42 | 15.751 | 2065 | 2070 | 2076 | rVB  | 23973   | 30193   | 1.55%  | 0.158% |
| 43 | 15.815 | 2076 | 2081 | 2084 | rBV6 | 2724    | 3944    | 0.20%  | 0.021% |
| 44 | 15.868 | 2087 | 2090 | 2093 | rVB3 | 2379    | 3112    | 0.16%  | 0.016% |
| 45 | 15.945 | 2093 | 2103 | 2113 | rBV  | 999797  | 1560830 | 79.97% | 8.143% |
| 46 | 16.068 | 2117 | 2124 | 2133 | rBV  | 331158  | 529250  | 27.12% | 2.761% |
| 47 | 16.180 | 2138 | 2143 | 2148 | rVB6 | 11480   | 22550   | 1.16%  | 0.118% |
| 48 | 16.244 | 2153 | 2154 | 2160 | rVB3 | 2628    | 3956    | 0.20%  | 0.021% |
| 49 | 16.309 | 2161 | 2165 | 2170 | rVB4 | 3999    | 4187    | 0.21%  | 0.022% |
| 50 | 16.373 | 2173 | 2176 | 2181 | rVB4 | 4503    | 5899    | 0.30%  | 0.031% |
| 51 | 16.503 | 2195 | 2198 | 2204 | rVB7 | 2688    | 6142    | 0.31%  | 0.032% |
| 52 | 16.550 | 2204 | 2206 | 2211 | rBV5 | 3654    | 5558    | 0.28%  | 0.029% |
| 53 | 16.614 | 2212 | 2217 | 2227 | rBV  | 22172   | 40034   | 2.05%  | 0.209% |
| 54 | 16.808 | 2246 | 2250 | 2256 | rVB8 | 5178    | 11061   | 0.57%  | 0.058% |
| 55 | 16.855 | 2256 | 2258 | 2261 | rBV3 | 2830    | 3639    | 0.19%  | 0.019% |
| 56 | 16.890 | 2261 | 2264 | 2267 | rVV5 | 3355    | 4496    | 0.23%  | 0.023% |
| 57 | 16.926 | 2267 | 2270 | 2272 | rVV4 | 2595    | 3368    | 0.17%  | 0.018% |
| 58 | 16.961 | 2272 | 2276 | 2277 | rVB4 | 2924    | 3661    | 0.19%  | 0.019% |
| 59 | 17.020 | 2282 | 2286 | 2288 | rVV4 | 2529    | 3825    | 0.20%  | 0.020% |
| 60 | 17.073 | 2288 | 2295 | 2299 | rVV7 | 3148    | 7404    | 0.38%  | 0.039% |
| 61 | 17.126 | 2299 | 2304 | 2306 | rVV4 | 3964    | 5018    | 0.26%  | 0.026% |
| 62 | 17.184 | 2309 | 2314 | 2319 | rVB6 | 3106    | 7051    | 0.36%  | 0.037% |
| 63 | 17.272 | 2328 | 2329 | 2337 | rBV6 | 3175    | 4311    | 0.22%  | 0.022% |
| 64 | 17.343 | 2337 | 2341 | 2344 | rVB4 | 2059    | 3051    | 0.16%  | 0.016% |
| 65 | 17.372 | 2344 | 2346 | 2348 | rBV3 | 3760    | 3033    | 0.16%  | 0.016% |
| 66 | 17.408 | 2348 | 2352 | 2358 | rVB  | 14911   | 17623   | 0.90%  | 0.092% |
| 67 | 17.460 | 2358 | 2361 | 2364 | rBV4 | 3390    | 4567    | 0.23%  | 0.024% |
| 68 | 17.584 | 2379 | 2382 | 2383 | rVB3 | 4321    | 3424    | 0.18%  | 0.018% |
| 69 | 17.596 | 2383 | 2384 | 2388 | rBV4 | 3799    | 4299    | 0.22%  | 0.022% |
| 70 | 17.701 | 2393 | 2402 | 2412 | rBV2 | 402887  | 655847  | 33.60% | 3.421% |
| 71 | 17.807 | 2412 | 2420 | 2429 | rVV  | 1050231 | 1667957 | 85.46% | 8.702% |

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Method : Z:\HPCHEM1\BNA\_G\METHODS\SOM-EPA-BG080217.M  
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|     |        |      |      |      |       |         |         |         |         |
|-----|--------|------|------|------|-------|---------|---------|---------|---------|
| 72  | 17.883 | 2429 | 2433 | 2439 | rVB7  | 5472    | 9540    | 0.49%   | 0.050%  |
| 73  | 17.948 | 2440 | 2444 | 2448 | rVB4  | 3266    | 4871    | 0.25%   | 0.025%  |
| 74  | 18.083 | 2461 | 2467 | 2471 | rVB7  | 3568    | 5442    | 0.28%   | 0.028%  |
| 75  | 18.154 | 2472 | 2479 | 2482 | rBV7  | 4472    | 8428    | 0.43%   | 0.044%  |
| 76  | 18.189 | 2484 | 2485 | 2488 | rBV3  | 3279    | 3054    | 0.16%   | 0.016%  |
| 77  | 18.218 | 2489 | 2490 | 2494 | rVB4  | 3319    | 4441    | 0.23%   | 0.023%  |
| 78  | 18.283 | 2496 | 2501 | 2503 | rBV5  | 3932    | 6301    | 0.32%   | 0.033%  |
| 79  | 18.307 | 2503 | 2505 | 2506 | rBV2  | 4591    | 3586    | 0.18%   | 0.019%  |
| 80  | 18.512 | 2538 | 2540 | 2541 | rVV2  | 4667    | 3189    | 0.16%   | 0.017%  |
| 81  | 18.547 | 2541 | 2546 | 2558 | rVV2  | 98743   | 170413  | 8.73%   | 0.889%  |
| 82  | 18.630 | 2558 | 2560 | 2568 | rVB5  | 7422    | 13009   | 0.67%   | 0.068%  |
| 83  | 18.753 | 2576 | 2581 | 2588 | rVB9  | 5810    | 11134   | 0.57%   | 0.058%  |
| 84  | 18.947 | 2605 | 2614 | 2617 | rBV10 | 9777    | 25594   | 1.31%   | 0.134%  |
| 85  | 19.076 | 2633 | 2636 | 2639 | rVB5  | 4788    | 6640    | 0.34%   | 0.035%  |
| 86  | 19.153 | 2647 | 2649 | 2651 | rBV3  | 5565    | 3128    | 0.16%   | 0.016%  |
| 87  | 19.182 | 2651 | 2654 | 2655 | rBV3  | 6814    | 4983    | 0.26%   | 0.026%  |
| 88  | 19.270 | 2667 | 2669 | 2670 | rBV2  | 9323    | 6686    | 0.34%   | 0.035%  |
| 89  | 19.341 | 2679 | 2681 | 2684 | rBV4  | 7311    | 6146    | 0.31%   | 0.032%  |
| 90  | 19.634 | 2729 | 2731 | 2735 | rBV5  | 10049   | 8661    | 0.44%   | 0.045%  |
| 91  | 19.664 | 2735 | 2736 | 2739 | rBV3  | 6647    | 7955    | 0.41%   | 0.042%  |
| 92  | 19.717 | 2740 | 2745 | 2752 | rVV2  | 19381   | 38907   | 1.99%   | 0.203%  |
| 93  | 19.811 | 2756 | 2761 | 2764 | rBV6  | 34429   | 48536   | 2.49%   | 0.253%  |
| 94  | 19.952 | 2780 | 2785 | 2793 | rBV7  | 31073   | 67214   | 3.44%   | 0.351%  |
| 95  | 20.081 | 2799 | 2807 | 2817 | rBV   | 1308658 | 1951727 | 100.00% | 10.182% |
| 96  | 20.334 | 2845 | 2850 | 2854 | rBV8  | 13499   | 28943   | 1.48%   | 0.151%  |
| 97  | 21.608 | 3063 | 3067 | 3074 | rVB10 | 27653   | 51201   | 2.62%   | 0.267%  |
| 98  | 22.037 | 3134 | 3140 | 3147 | rVB   | 426130  | 759009  | 38.89%  | 3.960%  |
| 99  | 25.322 | 3687 | 3699 | 3713 | rVB3  | 614275  | 1929433 | 98.86%  | 10.066% |
| 100 | 25.557 | 3729 | 3739 | 3756 | rVB2  | 251377  | 787703  | 40.36%  | 4.109%  |

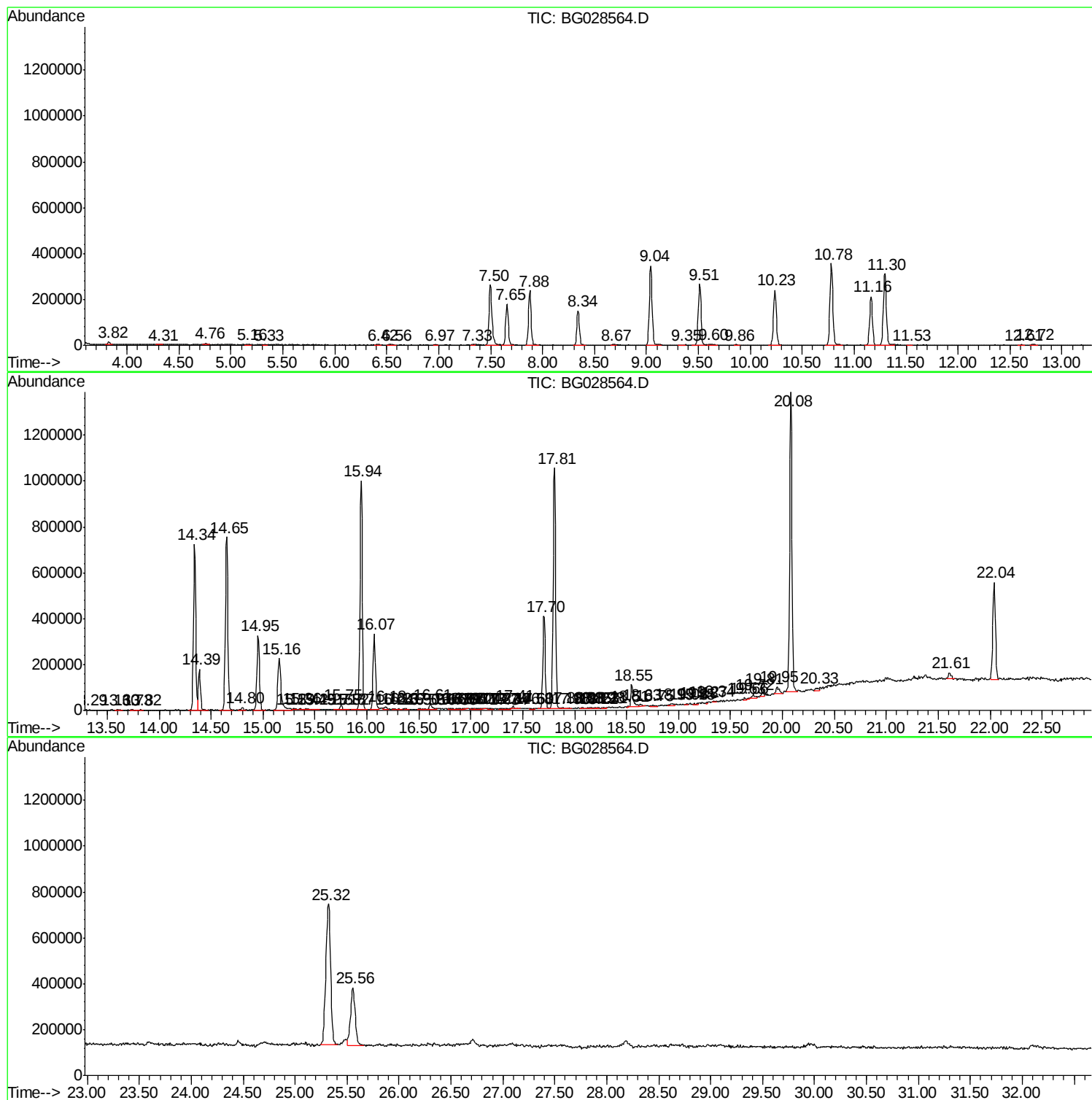
Sum of corrected areas: 19168472

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Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM-EPA-BG080217.M  
Quant Title : SVOA CALIBRATION

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



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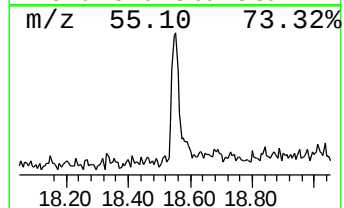
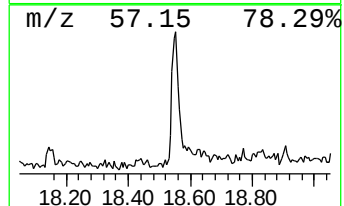
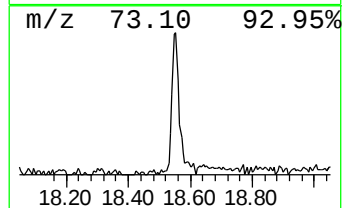
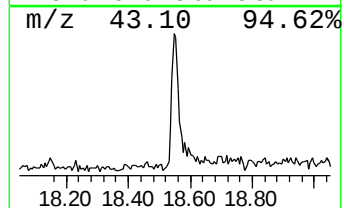
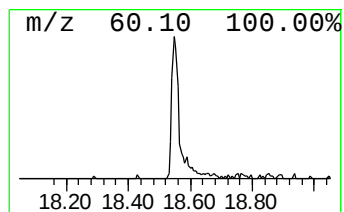
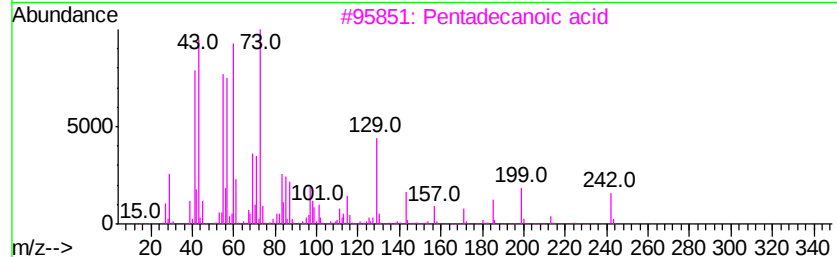
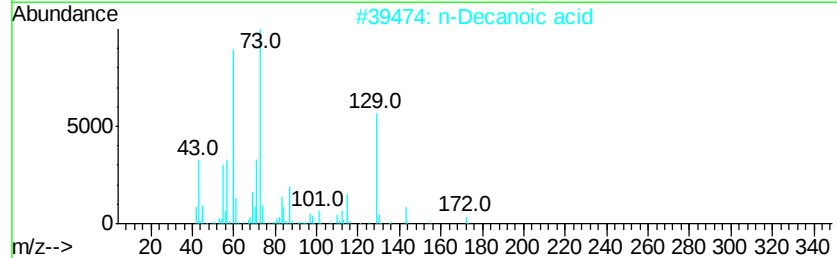
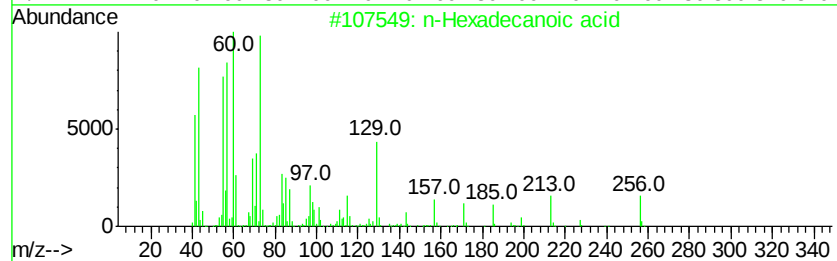
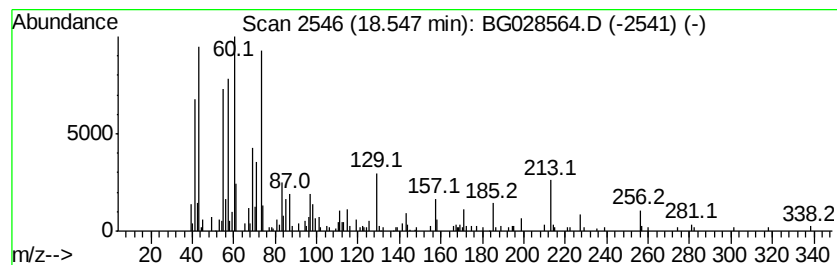
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 1 n-Hexadecanoic acid Concentration Rank 1

| R.T.  | EstConc    | Area   | Relative to ISTD | R.T.  |
|-------|------------|--------|------------------|-------|
| 18.55 | 5.20 ng/ul | 170413 | Phenanthrene-d10 | 17.70 |

| Hit# | of | Tentative ID        | MW  | MolForm  | CAS#        | Qual |
|------|----|---------------------|-----|----------|-------------|------|
| 1    | 5  | n-Hexadecanoic acid | 256 | C16H32O2 | 000057-10-3 | 99   |
| 2    |    | n-Decanoic acid     | 172 | C10H20O2 | 000334-48-5 | 83   |
| 3    |    | Pentadecanoic acid  | 242 | C15H30O2 | 001002-84-2 | 76   |
| 4    |    | n-Hexadecanoic acid | 256 | C16H32O2 | 000057-10-3 | 74   |
| 5    |    | n-Decanoic acid     | 172 | C10H20O2 | 000334-48-5 | 64   |



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| TIC Top Hit name    | RT    | EstConc | Units | Response | --Internal Standard-- |       |        |      |
|---------------------|-------|---------|-------|----------|-----------------------|-------|--------|------|
|                     |       |         |       |          | #                     | RT    | Resp   | Conc |
| n-Hexadecanoic acid | 18.55 | 5.2     | ng/ul | 170413   | 4                     | 17.70 | 655847 | 20.0 |