

Data Path : Z:\SVOASRV\HPCHEM1\BNA\_N\DATA\BN030520\  
 Data File : BN010112.D  
 Acq On : 05 Mar 2020 19:36  
 Operator : CG/JU  
 Sample : L1641-17  
 Misc :  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 CB700

## 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:\SVOASRV\HPCHEM1\BNA\_N\METHODS\SOM-EPA-BN021220MA.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         | 2.905       | 18            | 20          | 22           | rVB3     | 3558           | 2651          | 0.14%           | 0.012%        |
| 2         | 3.011       | 34            | 38          | 42           | rBV      | 21854          | 32398         | 1.68%           | 0.146%        |
| 3         | 3.499       | 119           | 121         | 125          | rVB4     | 2935           | 3495          | 0.18%           | 0.016%        |
| 4         | 3.558       | 130           | 131         | 134          | rBV3     | 3335           | 2347          | 0.12%           | 0.011%        |
| 5         | 3.605       | 134           | 139         | 143          | rBV4     | 4712           | 8455          | 0.44%           | 0.038%        |
| 6         | 3.687       | 148           | 153         | 159          | rBV4     | 6953           | 11665         | 0.61%           | 0.052%        |
| 7         | 3.905       | 187           | 190         | 191          | rBV2     | 2143           | 2628          | 0.14%           | 0.012%        |
| 8         | 4.175       | 232           | 236         | 239          | rVB4     | 2354           | 2272          | 0.12%           | 0.010%        |
| 9         | 4.217       | 239           | 243         | 247          | rBV3     | 2498           | 3592          | 0.19%           | 0.016%        |
| 10        | 4.375       | 268           | 270         | 275          | rVV4     | 1627           | 2037          | 0.11%           | 0.009%        |
| 11        | 4.434       | 278           | 280         | 284          | rVB5     | 1880           | 2376          | 0.12%           | 0.011%        |
| 12        | 4.558       | 297           | 301         | 306          | rBV      | 15286          | 23014         | 1.20%           | 0.104%        |
| 13        | 4.599       | 306           | 308         | 312          | rVV5     | 5194           | 7383          | 0.38%           | 0.033%        |
| 14        | 4.658       | 317           | 318         | 322          | rVV3     | 3206           | 3081          | 0.16%           | 0.014%        |
| 15        | 5.128       | 397           | 398         | 401          | rBV3     | 1796           | 2137          | 0.11%           | 0.010%        |
| 16        | 5.346       | 429           | 435         | 440          | rVB3     | 1595           | 3478          | 0.18%           | 0.016%        |
| 17        | 5.746       | 501           | 503         | 506          | rBV3     | 1588           | 2254          | 0.12%           | 0.010%        |
| 18        | 6.405       | 610           | 615         | 617          | rBV3     | 1426           | 2343          | 0.12%           | 0.011%        |
| 19        | 6.564       | 636           | 642         | 660          | rBV      | 326181         | 596929        | 31.00%          | 2.686%        |
| 20        | 6.716       | 663           | 668         | 683          | rVV      | 238683         | 412280        | 21.41%          | 1.855%        |
| 21        | 6.828       | 685           | 687         | 690          | rVV4     | 2046           | 2332          | 0.12%           | 0.010%        |
| 22        | 6.899       | 692           | 699         | 711          | rVV      | 341315         | 582773        | 30.27%          | 2.622%        |
| 23        | 6.993       | 711           | 715         | 719          | rVB6     | 4450           | 7204          | 0.37%           | 0.032%        |
| 24        | 7.358       | 769           | 777         | 791          | rBV      | 268903         | 469625        | 24.39%          | 2.113%        |
| 25        | 8.075       | 893           | 899         | 911          | rBV      | 382573         | 679970        | 35.32%          | 3.059%        |
| 26        | 8.181       | 915           | 917         | 919          | rBV2     | 2859           | 2639          | 0.14%           | 0.012%        |
| 27        | 8.499       | 964           | 971         | 990          | rVV      | 334389         | 624248        | 32.42%          | 2.809%        |
| 28        | 8.934       | 1039          | 1045        | 1048         | rVB3     | 4366           | 6518          | 0.34%           | 0.029%        |
| 29        | 9.210       | 1086          | 1092        | 1104         | rBV      | 288932         | 521597        | 27.09%          | 2.347%        |
| 30        | 9.746       | 1177          | 1183        | 1196         | rBV      | 334279         | 694296        | 36.06%          | 3.124%        |
| 31        | 9.875       | 1203          | 1205        | 1213         | rVB4     | 4079           | 6349          | 0.33%           | 0.029%        |
| 32        | 10.099      | 1237          | 1243        | 1259         | rBV      | 417100         | 680822        | 35.36%          | 3.063%        |
| 33        | 10.263      | 1264          | 1271        | 1293         | rBV      | 296859         | 726792        | 37.75%          | 3.270%        |
| 34        | 11.404      | 1462          | 1465        | 1468         | rBV2     | 1382           | 2185          | 0.11%           | 0.010%        |

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|    |        |      |      |      |      |         |         |        |        |
|----|--------|------|------|------|------|---------|---------|--------|--------|
| 35 | 11.822 | 1534 | 1536 | 1540 | rVV2 | 2113    | 2053    | 0.11%  | 0.009% |
| 36 | 13.428 | 1803 | 1809 | 1823 | rBV  | 724836  | 1081917 | 56.20% | 4.868% |
| 37 | 13.687 | 1846 | 1853 | 1869 | rBV  | 851628  | 1252435 | 65.05% | 5.635% |
| 38 | 13.998 | 1900 | 1906 | 1914 | rVV2 | 610880  | 890820  | 46.27% | 4.008% |
| 39 | 14.063 | 1914 | 1917 | 1921 | rVB4 | 4468    | 6693    | 0.35%  | 0.030% |
| 40 | 14.263 | 1946 | 1951 | 1973 | rBV  | 168322  | 470675  | 24.45% | 2.118% |
| 41 | 14.428 | 1977 | 1979 | 1982 | rVV4 | 7536    | 8623    | 0.45%  | 0.039% |
| 42 | 14.481 | 1982 | 1988 | 1989 | rVV5 | 5807    | 10069   | 0.52%  | 0.045% |
| 43 | 14.492 | 1989 | 1990 | 1997 | rVB5 | 3185    | 4558    | 0.24%  | 0.021% |
| 44 | 15.004 | 2071 | 2077 | 2086 | rBV  | 997601  | 1511922 | 78.53% | 6.803% |
| 45 | 15.104 | 2093 | 2094 | 2097 | rBV2 | 1650    | 2053    | 0.11%  | 0.009% |
| 46 | 15.175 | 2101 | 2106 | 2116 | rBV  | 270709  | 477783  | 24.82% | 2.150% |
| 47 | 15.251 | 2116 | 2119 | 2124 | rVB4 | 16534   | 25189   | 1.31%  | 0.113% |
| 48 | 15.369 | 2138 | 2139 | 2144 | rVB  | 2879    | 3016    | 0.16%  | 0.014% |
| 49 | 15.798 | 2209 | 2212 | 2215 | rVB3 | 3903    | 3691    | 0.19%  | 0.017% |
| 50 | 16.204 | 2280 | 2281 | 2286 | rBV2 | 1734    | 3112    | 0.16%  | 0.014% |
| 51 | 16.339 | 2301 | 2304 | 2306 | rBV3 | 2222    | 2110    | 0.11%  | 0.009% |
| 52 | 16.557 | 2337 | 2341 | 2343 | rBV  | 2187    | 3563    | 0.19%  | 0.016% |
| 53 | 16.763 | 2369 | 2376 | 2380 | rBV  | 730745  | 1023990 | 53.19% | 4.607% |
| 54 | 16.804 | 2380 | 2383 | 2387 | rVV  | 62619   | 82949   | 4.31%  | 0.373% |
| 55 | 16.863 | 2387 | 2393 | 2406 | rVV  | 1107832 | 1629030 | 84.61% | 7.330% |
| 56 | 16.957 | 2406 | 2409 | 2412 | rVV2 | 2237    | 3113    | 0.16%  | 0.014% |
| 57 | 17.004 | 2415 | 2417 | 2421 | rVB3 | 2276    | 3228    | 0.17%  | 0.015% |
| 58 | 17.204 | 2444 | 2451 | 2454 | rBV2 | 2269    | 4037    | 0.21%  | 0.018% |
| 59 | 17.292 | 2463 | 2466 | 2469 | rBV  | 2752    | 2989    | 0.16%  | 0.013% |
| 60 | 17.492 | 2497 | 2500 | 2501 | rBV2 | 2215    | 2218    | 0.12%  | 0.010% |
| 61 | 17.651 | 2523 | 2527 | 2530 | rBV3 | 4715    | 6771    | 0.35%  | 0.030% |
| 62 | 17.698 | 2530 | 2535 | 2542 | rVV4 | 10581   | 15721   | 0.82%  | 0.071% |
| 63 | 17.786 | 2546 | 2550 | 2554 | rVB6 | 3279    | 6102    | 0.32%  | 0.027% |
| 64 | 17.845 | 2554 | 2560 | 2563 | rBV6 | 8980    | 17444   | 0.91%  | 0.078% |
| 65 | 17.881 | 2564 | 2566 | 2571 | rVB3 | 4873    | 5644    | 0.29%  | 0.025% |
| 66 | 17.986 | 2581 | 2584 | 2587 | rBV4 | 3152    | 3351    | 0.17%  | 0.015% |
| 67 | 18.163 | 2612 | 2614 | 2616 | rVV3 | 3483    | 3402    | 0.18%  | 0.015% |
| 68 | 18.575 | 2682 | 2684 | 2688 | rVB5 | 4518    | 5043    | 0.26%  | 0.023% |
| 69 | 18.633 | 2691 | 2694 | 2699 | rBV4 | 3068    | 6277    | 0.33%  | 0.028% |
| 70 | 18.804 | 2719 | 2723 | 2724 | rVB3 | 2629    | 2387    | 0.12%  | 0.011% |
| 71 | 18.839 | 2724 | 2729 | 2734 | rBV  | 80267   | 109184  | 5.67%  | 0.491% |

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 Title : SVOA CALIBRATION

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|----|--------|------|------|------|------|---------|---------|---------|--------|
| 72 | 18.969 | 2750 | 2751 | 2753 | rBV2 | 2922    | 2407    | 0.13%   | 0.011% |
| 73 | 19.057 | 2763 | 2766 | 2772 | rBV2 | 7854    | 12162   | 0.63%   | 0.055% |
| 74 | 19.175 | 2779 | 2786 | 2797 | rBV  | 1257158 | 1925275 | 100.00% | 8.663% |
| 75 | 19.286 | 2803 | 2805 | 2806 | rBV2 | 3333    | 1928    | 0.10%   | 0.009% |
| 76 | 19.345 | 2813 | 2815 | 2816 | rBV2 | 5412    | 3635    | 0.19%   | 0.016% |
| 77 | 19.539 | 2844 | 2848 | 2849 | rBV4 | 5525    | 6656    | 0.35%   | 0.030% |
| 78 | 19.722 | 2875 | 2879 | 2883 | rBV4 | 8945    | 10795   | 0.56%   | 0.049% |
| 79 | 19.757 | 2883 | 2885 | 2891 | rVB5 | 6331    | 8082    | 0.42%   | 0.036% |
| 80 | 19.822 | 2894 | 2896 | 2898 | rBV3 | 7894    | 4770    | 0.25%   | 0.021% |
| 81 | 19.880 | 2902 | 2906 | 2907 | rBV3 | 8971    | 9147    | 0.48%   | 0.041% |
| 82 | 20.016 | 2927 | 2929 | 2934 | rVB5 | 6762    | 8184    | 0.43%   | 0.037% |
| 83 | 20.198 | 2959 | 2960 | 2961 | rBV  | 5331    | 2238    | 0.12%   | 0.010% |
| 84 | 20.263 | 2969 | 2971 | 2975 | rVB5 | 9182    | 6514    | 0.34%   | 0.029% |
| 85 | 20.727 | 3046 | 3050 | 3055 | rBV4 | 56928   | 80940   | 4.20%   | 0.364% |
| 86 | 20.786 | 3056 | 3060 | 3067 | rVB  | 70794   | 101961  | 5.30%   | 0.459% |
| 87 | 20.986 | 3088 | 3094 | 3107 | rBV  | 826051  | 1213512 | 63.03%  | 5.460% |
| 88 | 21.110 | 3112 | 3115 | 3119 | rBV  | 38108   | 48804   | 2.53%   | 0.220% |
| 89 | 21.174 | 3122 | 3126 | 3129 | rVV6 | 21052   | 27550   | 1.43%   | 0.124% |
| 90 | 21.586 | 3193 | 3196 | 3202 | rBV3 | 60139   | 85033   | 4.42%   | 0.383% |
| 91 | 22.016 | 3266 | 3269 | 3278 | rBV  | 82131   | 87534   | 4.55%   | 0.394% |
| 92 | 22.480 | 3343 | 3348 | 3352 | rBV2 | 174262  | 266329  | 13.83%  | 1.198% |
| 93 | 22.945 | 3421 | 3427 | 3432 | rBV  | 955898  | 1655358 | 85.98%  | 7.448% |
| 94 | 22.992 | 3432 | 3435 | 3442 | rVB  | 198961  | 276492  | 14.36%  | 1.244% |
| 95 | 23.074 | 3444 | 3449 | 3457 | rBV  | 627450  | 1039026 | 53.97%  | 4.675% |
| 96 | 23.568 | 3528 | 3533 | 3539 | rBV  | 161343  | 270222  | 14.04%  | 1.216% |
| 97 | 24.233 | 3641 | 3646 | 3654 | rVB2 | 121349  | 243361  | 12.64%  | 1.095% |

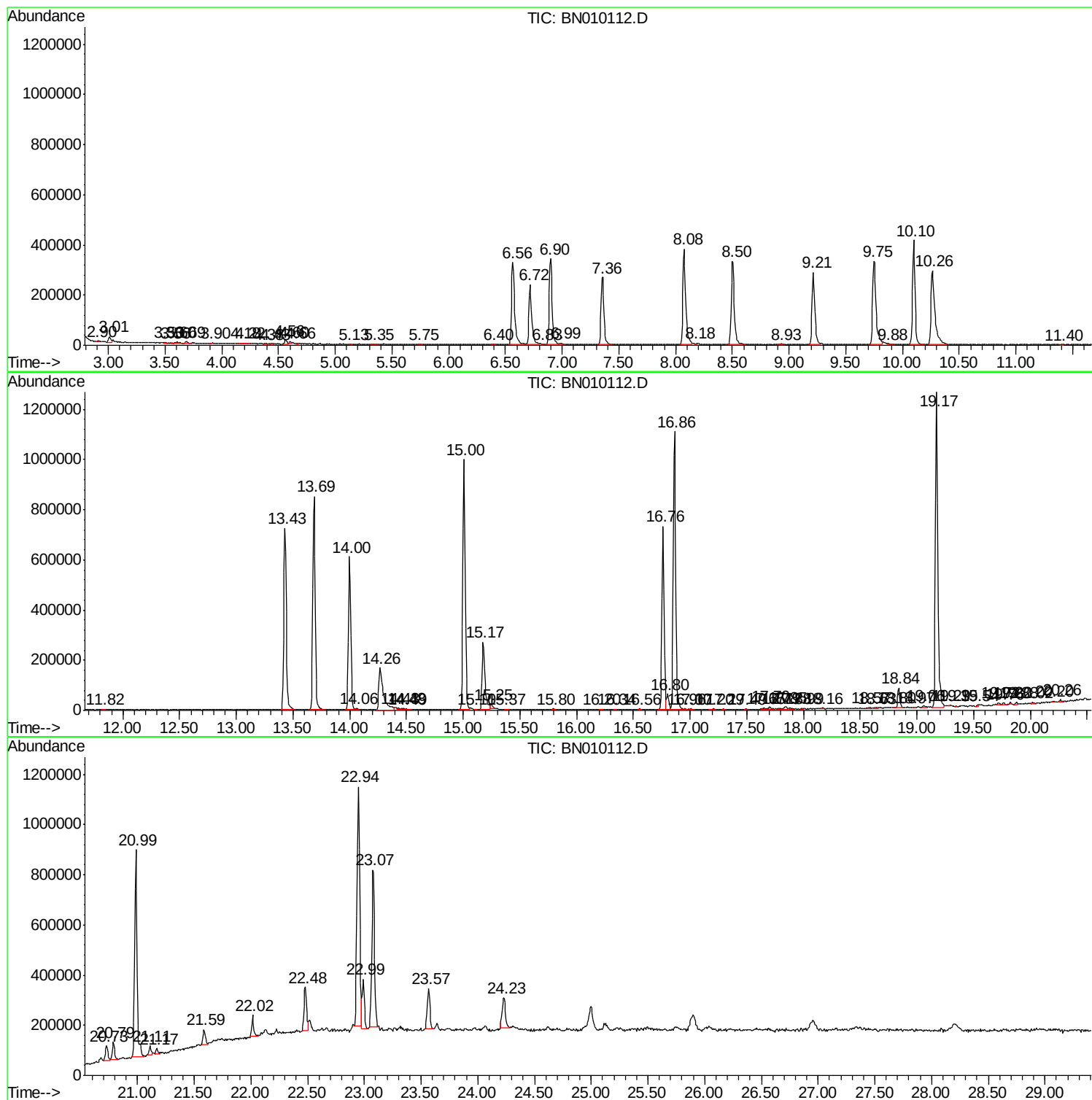
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\SOM-EPA-BN021220MA.M  
Quant Title : SVOA CALIBRATION

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



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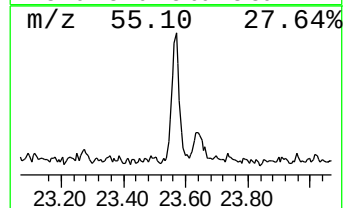
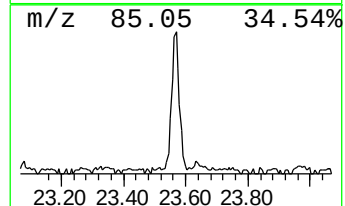
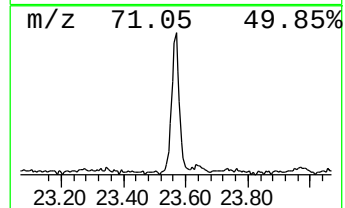
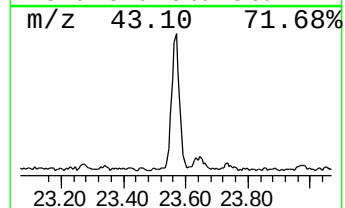
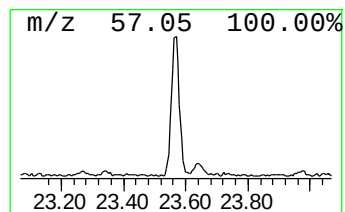
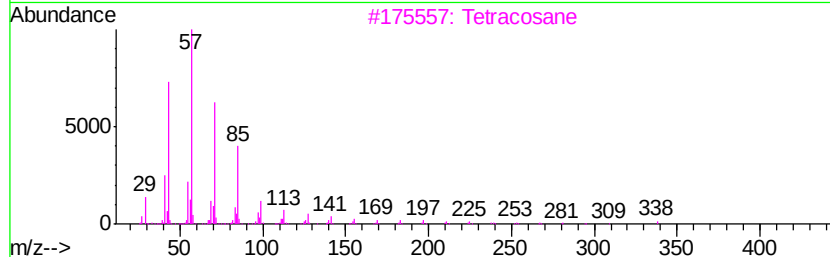
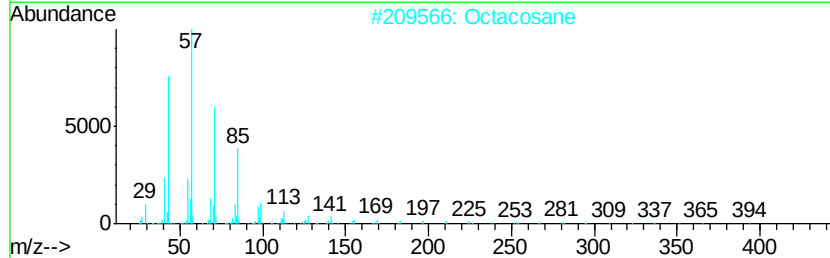
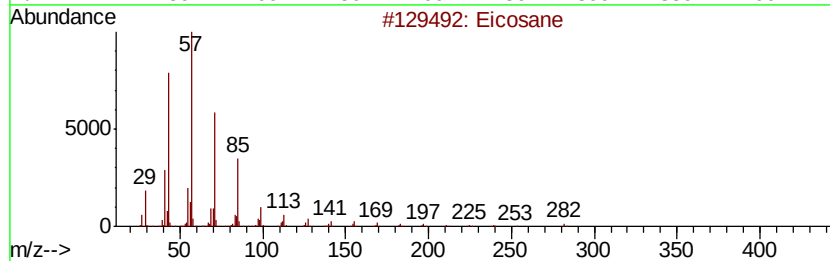
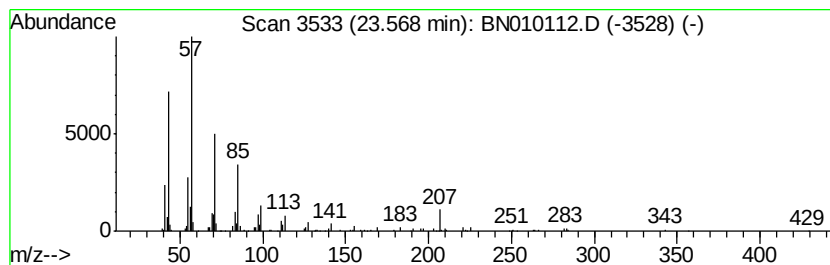
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 1 (DEL) Alkane: Straight-Chai... Concentration Rank 1

| R.T.  | EstConc    | Area   | Relative to ISTD | R.T.  |
|-------|------------|--------|------------------|-------|
| 23.57 | 5.20 ng/ul | 270222 | Perylene-d12     | 23.08 |

| Hit# | of | Tentative ID          | MW  | MolForm | CAS#        | Qual |
|------|----|-----------------------|-----|---------|-------------|------|
| 1    | 5  | Eicosane              | 282 | C20H42  | 000112-95-8 | 98   |
| 2    |    | Octacosane            | 394 | C28H58  | 000630-02-4 | 87   |
| 3    |    | Tetracosane           | 338 | C24H50  | 000646-31-1 | 87   |
| 4    |    | Docosane, 11-butyl-   | 366 | C26H54  | 013475-76-8 | 83   |
| 5    |    | Nonadecane, 2-methyl- | 282 | C20H42  | 001560-86-7 | 83   |



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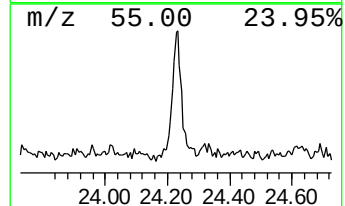
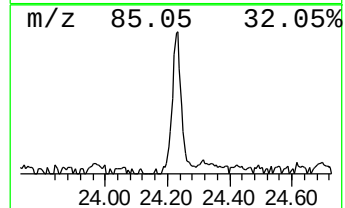
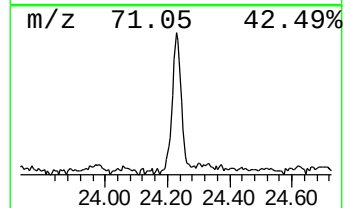
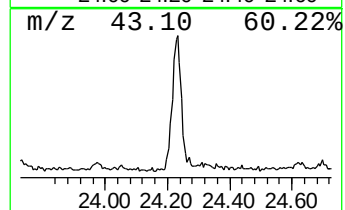
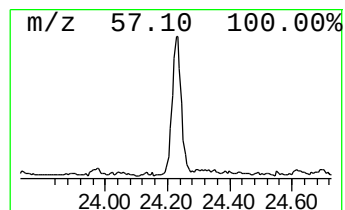
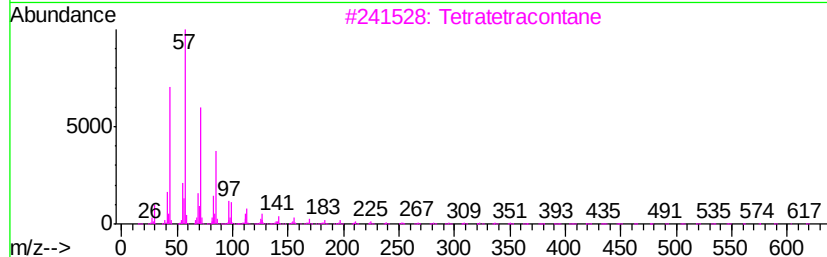
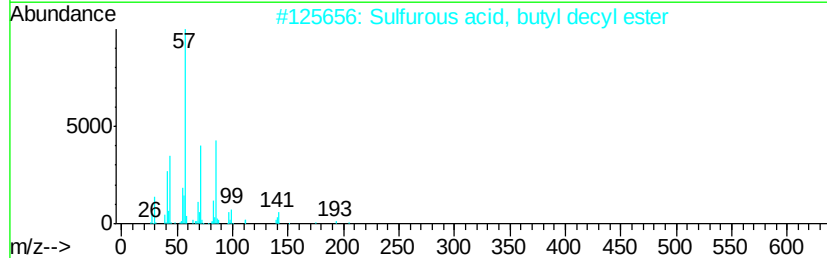
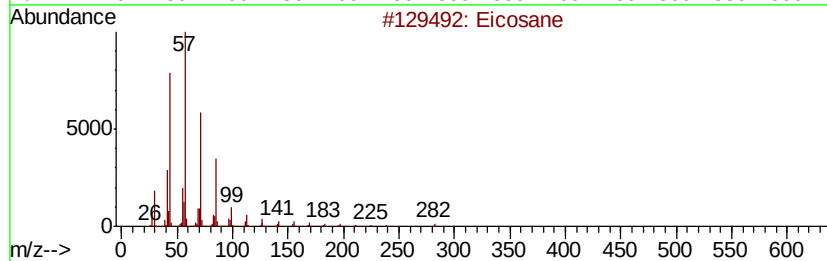
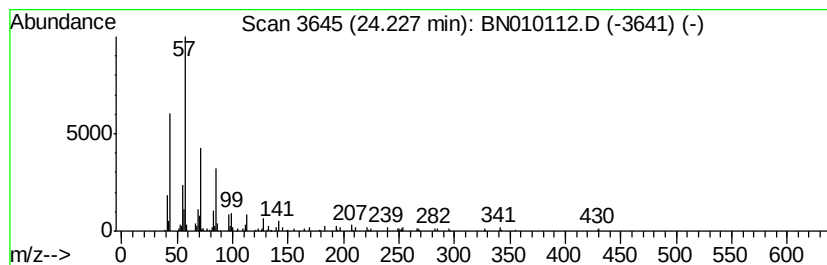
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 2 (DEL) Alkane: Straight-Chain Concentration Rank 2

| R.T.  | EstConc    | Area   | Relative to ISTD | R.T.  |
|-------|------------|--------|------------------|-------|
| 24.23 | 4.68 ng/ul | 243361 | Perylene-d12     | 23.08 |

| Hit# | of | Tentative ID                        | MW  | MolForm   | CAS#         | Qual |
|------|----|-------------------------------------|-----|-----------|--------------|------|
| 1    | 5  | Eicosane                            | 282 | C20H42    | 000112-95-8  | 89   |
| 2    |    | Sulfurous acid, butyl decyl ester   | 278 | C14H30O3S | 1000309-17-7 | 72   |
| 3    |    | Tetratetracontane                   | 619 | C44H90    | 007098-22-8  | 70   |
| 4    |    | Octadecane, 3-ethyl-5-(2-ethylbu... | 366 | C26H54    | 055282-12-7  | 64   |
| 5    |    | Docosane                            | 310 | C22H46    | 000629-97-0  | 62   |



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Quant Title : SVOA CALIBRATION

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

|                      |       |         |       |          | --Internal Standard-- |       |         |      |
|----------------------|-------|---------|-------|----------|-----------------------|-------|---------|------|
| TIC Top Hit name     | RT    | EstConc | Units | Response | #                     | RT    | Resp    | Conc |
| (DEL) Alkane: Str... | 23.57 | 5.2     | ng/ul | 270222   | 6                     | 23.08 | 1039030 | 20.0 |
| (DEL) Alkane: Str... | 24.23 | 4.7     | ng/ul | 243361   | 6                     | 23.08 | 1039030 | 20.0 |