

Data Path : Z:\HPCHEM1\BNA\_G\DATA\BG080817\  
 Data File : BG028195.D  
 Acq On : 8 Aug 2017 18:24  
 Operator : SJ/JU  
 Sample : I4600-14  
 Misc :  
 ALS Vial : 15 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 C02Y9

## 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         | 3.840       | 39            | 43          | 51           | rVB5     | 9465           | 17031         | 1.03%           | 0.131%        |
| 2         | 4.128       | 89            | 92          | 98           | rVB5     | 2331           | 4404          | 0.27%           | 0.034%        |
| 3         | 4.569       | 164           | 167         | 173          | rBV6     | 2728           | 3844          | 0.23%           | 0.030%        |
| 4         | 6.161       | 432           | 438         | 441          | rBV4     | 1881           | 4113          | 0.25%           | 0.032%        |
| 5         | 6.208       | 443           | 446         | 453          | rVB5     | 1259           | 2791          | 0.17%           | 0.021%        |
| 6         | 6.379       | 467           | 475         | 478          | rBV5     | 2084           | 3934          | 0.24%           | 0.030%        |
| 7         | 6.467       | 489           | 490         | 502          | rVB5     | 1862           | 3714          | 0.22%           | 0.029%        |
| 8         | 6.561       | 502           | 506         | 512          | rBV6     | 1493           | 3693          | 0.22%           | 0.028%        |
| 9         | 6.878       | 557           | 560         | 563          | rVB3     | 1496           | 2274          | 0.14%           | 0.017%        |
| 10        | 7.048       | 587           | 589         | 593          | rVB3     | 2446           | 2495          | 0.15%           | 0.019%        |
| 11        | 7.501       | 658           | 666         | 678          | rBV3     | 36426          | 72098         | 4.34%           | 0.553%        |
| 12        | 7.595       | 678           | 682         | 686          | rVB4     | 1575           | 2511          | 0.15%           | 0.019%        |
| 13        | 7.671       | 686           | 695         | 705          | rBV      | 102954         | 185489        | 11.17%          | 1.424%        |
| 14        | 7.818       | 713           | 720         | 723          | rBV3     | 1318           | 3148          | 0.19%           | 0.024%        |
| 15        | 7.889       | 723           | 732         | 746          | rVB2     | 108082         | 210777        | 12.69%          | 1.618%        |
| 16        | 8.118       | 769           | 771         | 776          | rVB2     | 2772           | 3691          | 0.22%           | 0.028%        |
| 17        | 8.353       | 802           | 811         | 823          | rVB      | 108143         | 202019        | 12.16%          | 1.551%        |
| 18        | 8.652       | 859           | 862         | 869          | rBV4     | 1828           | 3399          | 0.20%           | 0.026%        |
| 19        | 9.046       | 920           | 929         | 938          | rBV      | 92648          | 175385        | 10.56%          | 1.346%        |
| 20        | 9.252       | 961           | 964         | 970          | rBV4     | 1362           | 2317          | 0.14%           | 0.018%        |
| 21        | 9.522       | 999           | 1010        | 1027         | rBV      | 146244         | 284072        | 17.10%          | 2.180%        |
| 22        | 9.974       | 1084          | 1087        | 1090         | rBV2     | 1574           | 2199          | 0.13%           | 0.017%        |
| 23        | 10.245      | 1126          | 1133        | 1143         | rBV      | 118093         | 233875        | 14.08%          | 1.795%        |
| 24        | 10.791      | 1217          | 1226        | 1241         | rBV      | 147509         | 299267        | 18.01%          | 2.297%        |
| 25        | 11.026      | 1263          | 1266        | 1269         | rBV3     | 2006           | 2302          | 0.14%           | 0.018%        |
| 26        | 11.179      | 1284          | 1292        | 1301         | rVB2     | 157706         | 306567        | 18.45%          | 2.353%        |
| 27        | 11.320      | 1308          | 1316        | 1320         | rBV7     | 6088           | 12034         | 0.72%           | 0.092%        |
| 28        | 12.066      | 1437          | 1443        | 1448         | rBV4     | 1533           | 3462          | 0.21%           | 0.027%        |
| 29        | 12.695      | 1545          | 1550        | 1552         | rBV3     | 1853           | 2354          | 0.14%           | 0.018%        |
| 30        | 12.748      | 1554          | 1559        | 1561         | rBV2     | 2324           | 3320          | 0.20%           | 0.025%        |
| 31        | 12.930      | 1584          | 1590        | 1594         | rBV3     | 1458           | 2943          | 0.18%           | 0.023%        |
| 32        | 13.118      | 1616          | 1622        | 1624         | rVB3     | 1784           | 2669          | 0.16%           | 0.020%        |
| 33        | 13.559      | 1692          | 1697        | 1703         | rBV4     | 1521           | 3228          | 0.19%           | 0.025%        |
| 34        | 13.811      | 1734          | 1740        | 1741         | rVB3     | 1659           | 2590          | 0.16%           | 0.020%        |

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|    |        |      |      |      |      |         |         |         |         |
|----|--------|------|------|------|------|---------|---------|---------|---------|
| 35 | 13.923 | 1752 | 1759 | 1763 | rVB4 | 1158    | 3113    | 0.19%   | 0.024%  |
| 36 | 14.105 | 1788 | 1790 | 1798 | rVB3 | 1282    | 2859    | 0.17%   | 0.022%  |
| 37 | 14.352 | 1824 | 1832 | 1849 | rBV  | 516565  | 735329  | 44.26%  | 5.644%  |
| 38 | 14.657 | 1874 | 1884 | 1893 | rBV  | 429896  | 681773  | 41.04%  | 5.233%  |
| 39 | 14.963 | 1928 | 1936 | 1946 | rBV2 | 296180  | 486847  | 29.30%  | 3.737%  |
| 40 | 15.157 | 1961 | 1969 | 1979 | rBV4 | 28841   | 68389   | 4.12%   | 0.525%  |
| 41 | 15.721 | 2062 | 2065 | 2068 | rBV3 | 2121    | 2237    | 0.13%   | 0.017%  |
| 42 | 15.950 | 2097 | 2104 | 2115 | rBV  | 652470  | 1009579 | 60.77%  | 7.749%  |
| 43 | 16.061 | 2115 | 2123 | 2139 | rVV  | 282865  | 449955  | 27.08%  | 3.454%  |
| 44 | 16.197 | 2139 | 2146 | 2150 | rVB5 | 6050    | 10543   | 0.63%   | 0.081%  |
| 45 | 16.255 | 2154 | 2156 | 2161 | rVB2 | 1576    | 2832    | 0.17%   | 0.022%  |
| 46 | 16.314 | 2161 | 2166 | 2169 | rBV2 | 1918    | 3706    | 0.22%   | 0.028%  |
| 47 | 16.549 | 2203 | 2206 | 2212 | rVB2 | 1713    | 2992    | 0.18%   | 0.023%  |
| 48 | 16.902 | 2262 | 2266 | 2271 | rVB4 | 1572    | 2721    | 0.16%   | 0.021%  |
| 49 | 17.137 | 2305 | 2306 | 2314 | rBV3 | 1271    | 2950    | 0.18%   | 0.023%  |
| 50 | 17.712 | 2396 | 2404 | 2411 | rBV  | 465305  | 718588  | 43.25%  | 5.516%  |
| 51 | 17.812 | 2413 | 2421 | 2433 | rBV2 | 849719  | 1353316 | 81.46%  | 10.388% |
| 52 | 17.971 | 2445 | 2448 | 2451 | rBV2 | 1747    | 2517    | 0.15%   | 0.019%  |
| 53 | 18.118 | 2467 | 2473 | 2475 | rBV4 | 1660    | 3224    | 0.19%   | 0.025%  |
| 54 | 18.247 | 2489 | 2495 | 2497 | rVB5 | 1902    | 3456    | 0.21%   | 0.027%  |
| 55 | 18.459 | 2526 | 2531 | 2532 | rVB  | 1454    | 2327    | 0.14%   | 0.018%  |
| 56 | 18.512 | 2532 | 2540 | 2541 | rBV3 | 1780    | 4266    | 0.26%   | 0.033%  |
| 57 | 18.647 | 2558 | 2563 | 2567 | rVB4 | 2431    | 4255    | 0.26%   | 0.033%  |
| 58 | 19.234 | 2658 | 2663 | 2665 | rBV3 | 1812    | 2299    | 0.14%   | 0.018%  |
| 59 | 19.399 | 2690 | 2691 | 2694 | rBV3 | 2003    | 2250    | 0.14%   | 0.017%  |
| 60 | 19.528 | 2710 | 2713 | 2717 | rBV4 | 2185    | 2597    | 0.16%   | 0.020%  |
| 61 | 19.581 | 2720 | 2722 | 2725 | rBV3 | 2667    | 2866    | 0.17%   | 0.022%  |
| 62 | 19.628 | 2725 | 2730 | 2732 | rVB2 | 1974    | 2997    | 0.18%   | 0.023%  |
| 63 | 19.716 | 2738 | 2745 | 2751 | rBV2 | 9873    | 18235   | 1.10%   | 0.140%  |
| 64 | 19.974 | 2782 | 2789 | 2793 | rBV3 | 10018   | 17861   | 1.08%   | 0.137%  |
| 65 | 20.086 | 2797 | 2808 | 2817 | rBV  | 1152648 | 1661334 | 100.00% | 12.752% |
| 66 | 20.903 | 2945 | 2947 | 2951 | rBV3 | 4032    | 4910    | 0.30%   | 0.038%  |
| 67 | 21.014 | 2963 | 2966 | 2973 | rBV6 | 2823    | 3471    | 0.21%   | 0.027%  |
| 68 | 21.296 | 3012 | 3014 | 3016 | rVB3 | 2933    | 2325    | 0.14%   | 0.018%  |
| 69 | 21.408 | 3022 | 3033 | 3035 | rBV9 | 7100    | 20156   | 1.21%   | 0.155%  |
| 70 | 21.714 | 3083 | 3085 | 3088 | rBV3 | 4041    | 4042    | 0.24%   | 0.031%  |
| 71 | 21.884 | 3111 | 3114 | 3118 | rVB5 | 4247    | 4329    | 0.26%   | 0.033%  |

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|-----|--------|------|------|------|------|--------|---------|--------|---------|
| 72  | 22.043 | 3133 | 3141 | 3152 | rVB  | 473224 | 860932  | 51.82% | 6.608%  |
| 73  | 22.201 | 3161 | 3168 | 3172 | rBV9 | 4577   | 8802    | 0.53%  | 0.068%  |
| 74  | 22.295 | 3182 | 3184 | 3186 | rVB3 | 3438   | 2388    | 0.14%  | 0.018%  |
| 75  | 22.331 | 3189 | 3190 | 3194 | rBV4 | 5206   | 4942    | 0.30%  | 0.038%  |
| 76  | 22.571 | 3230 | 3231 | 3233 | rBV2 | 4098   | 3593    | 0.22%  | 0.028%  |
| 77  | 22.848 | 3274 | 3278 | 3284 | rBV8 | 4464   | 9496    | 0.57%  | 0.073%  |
| 78  | 22.953 | 3294 | 3296 | 3300 | rBV5 | 3635   | 3748    | 0.23%  | 0.029%  |
| 79  | 23.523 | 3391 | 3393 | 3395 | rBV2 | 3272   | 2973    | 0.18%  | 0.023%  |
| 80  | 23.611 | 3401 | 3408 | 3412 | rVB7 | 9376   | 22868   | 1.38%  | 0.176%  |
| 81  | 23.811 | 3439 | 3442 | 3445 | rVB5 | 3605   | 4822    | 0.29%  | 0.037%  |
| 82  | 24.475 | 3549 | 3555 | 3562 | rVB4 | 14084  | 30603   | 1.84%  | 0.235%  |
| 83  | 25.186 | 3673 | 3676 | 3678 | rBV4 | 4271   | 4423    | 0.27%  | 0.034%  |
| 84  | 25.309 | 3685 | 3697 | 3714 | rVB2 | 530801 | 1523316 | 91.69% | 11.693% |
| 85  | 25.550 | 3724 | 3738 | 3753 | rVB2 | 259135 | 856251  | 51.54% | 6.572%  |
| 86  | 26.120 | 3832 | 3835 | 3841 | rBV7 | 3804   | 7342    | 0.44%  | 0.056%  |
| 87  | 26.526 | 3902 | 3904 | 3906 | rVB3 | 3723   | 2699    | 0.16%  | 0.021%  |
| 88  | 26.731 | 3930 | 3939 | 3950 | rBV7 | 21052  | 71277   | 4.29%  | 0.547%  |
| 89  | 26.849 | 3957 | 3959 | 3962 | rBV3 | 3375   | 2601    | 0.16%  | 0.020%  |
| 90  | 28.224 | 4181 | 4193 | 4207 | rVB5 | 20835  | 89396   | 5.38%  | 0.686%  |
| 91  | 28.318 | 4207 | 4209 | 4211 | rBV2 | 4181   | 3241    | 0.20%  | 0.025%  |
| 92  | 28.606 | 4255 | 4258 | 4260 | rBV4 | 3097   | 3363    | 0.20%  | 0.026%  |
| 93  | 28.629 | 4260 | 4262 | 4264 | rVV3 | 3604   | 3324    | 0.20%  | 0.026%  |
| 94  | 29.264 | 4369 | 4370 | 4374 | rBV4 | 3446   | 4782    | 0.29%  | 0.037%  |
| 95  | 29.463 | 4402 | 4404 | 4411 | rVB6 | 4392   | 7419    | 0.45%  | 0.057%  |
| 96  | 29.992 | 4486 | 4494 | 4495 | rBV6 | 10062  | 20854   | 1.26%  | 0.160%  |
| 97  | 30.198 | 4527 | 4529 | 4532 | rVB3 | 4418   | 4101    | 0.25%  | 0.031%  |
| 98  | 31.808 | 4797 | 4803 | 4810 | rBV8 | 4394   | 11873   | 0.71%  | 0.091%  |
| 99  | 32.160 | 4847 | 4863 | 4876 | rVB8 | 14093  | 71667   | 4.31%  | 0.550%  |
| 100 | 32.483 | 4915 | 4918 | 4925 | rBV8 | 2846   | 7591    | 0.46%  | 0.058%  |

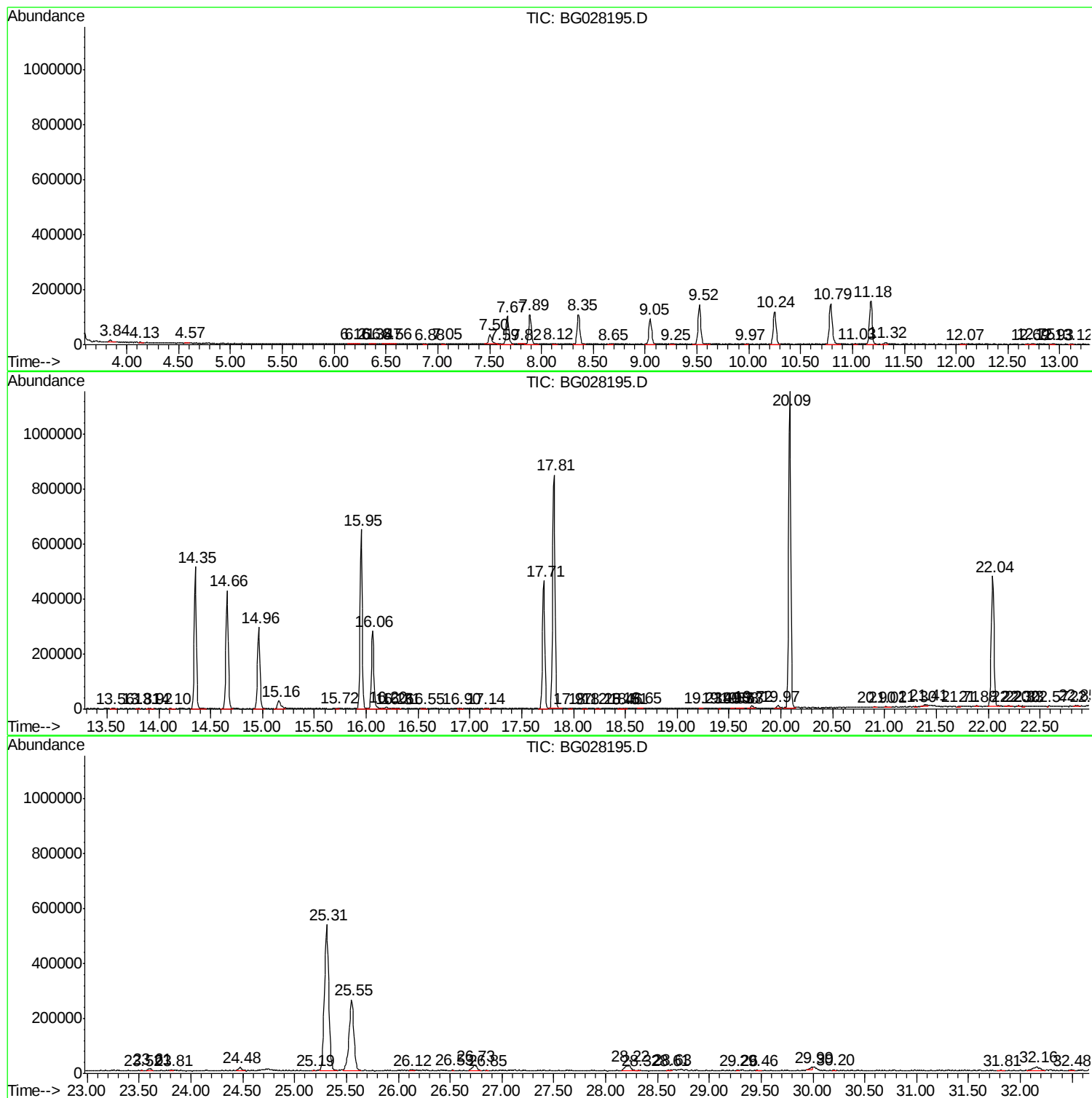
Sum of corrected areas: 13028142

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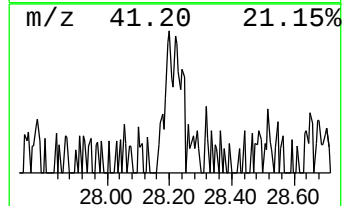
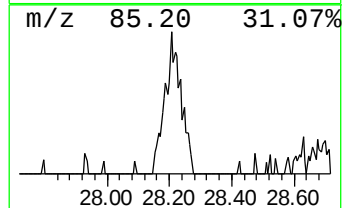
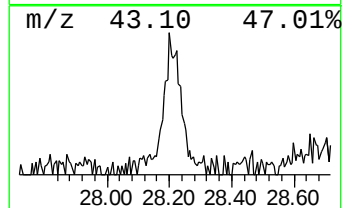
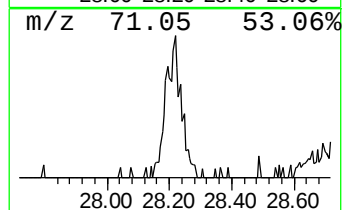
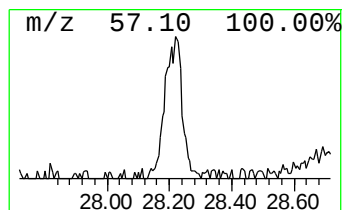
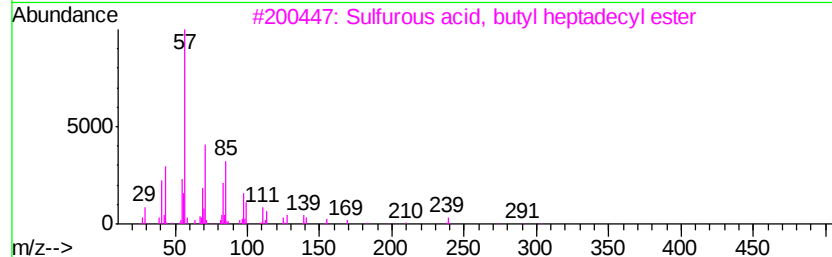
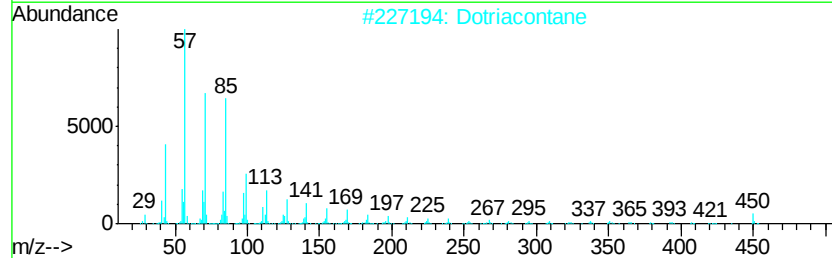
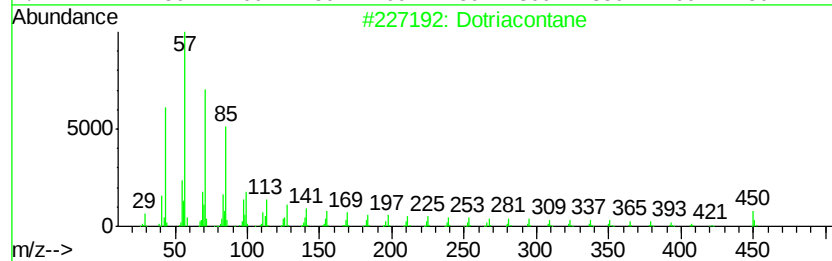
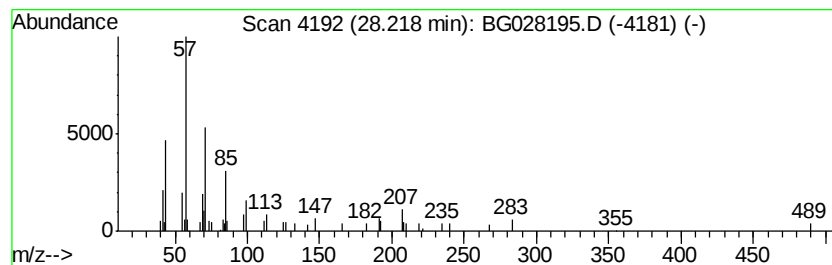
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TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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

| R.T.    | EstConc    | Area                                | Relative to ISTD | R.T.            |
|---------|------------|-------------------------------------|------------------|-----------------|
| 28.22   | 2.09 ng/ul | 89396                               | Perylene-d12     | 25.55           |
| Hit# of | 5          | Tentative ID                        | MW MolForm       | CAS# Qual       |
| 1       |            | Dotriacontane                       | 451 C32H66       | 000544-85-4 47  |
| 2       |            | Dotriacontane                       | 451 C32H66       | 000544-85-4 47  |
| 3       |            | Sulfurous acid, butyl heptadecyl... | 376 C21H44O3S    | 1000309-18-4 43 |
| 4       |            | Pentadecane                         | 212 C15H32       | 000629-62-9 43  |
| 5       |            | Hexacosane                          | 366 C26H54       | 000630-01-3 43  |



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| TIC Top Hit name     | RT    | EstConc | Units | Response | --Internal Standard-- |       |        |      |
|----------------------|-------|---------|-------|----------|-----------------------|-------|--------|------|
|                      |       |         |       |          | #                     | RT    | Resp   | Conc |
| (DEL) Alkane: Str... | 28.22 | 2.1     | ng/ul | 89396    | 6                     | 25.55 | 856251 | 20.0 |