

Data Path : Z:\HPCHEM1\BNA\_G\DATA\BG080717\  
 Data File : BG028161.D  
 Acq On : 7 Aug 2017 18:23  
 Operator : SJ/JU  
 Sample : I4578-09  
 Misc :  
 ALS Vial : 13 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 C02S7

## 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         | 3.846       | 40            | 44          | 47           | rBV4     | 8065           | 13280         | 1.26%           | 0.123%        |
| 2         | 3.875       | 47            | 49          | 55           | rVB3     | 11220          | 15908         | 1.51%           | 0.148%        |
| 3         | 4.351       | 128           | 130         | 137          | rVB3     | 2974           | 3727          | 0.35%           | 0.035%        |
| 4         | 4.751       | 196           | 198         | 201          | rVV4     | 1740           | 2305          | 0.22%           | 0.021%        |
| 5         | 4.780       | 201           | 203         | 205          | rVB2     | 2226           | 2146          | 0.20%           | 0.020%        |
| 6         | 5.044       | 246           | 248         | 253          | rVB3     | 2271           | 2453          | 0.23%           | 0.023%        |
| 7         | 5.914       | 394           | 396         | 402          | rVB3     | 1820           | 3463          | 0.33%           | 0.032%        |
| 8         | 6.161       | 435           | 438         | 445          | rVB5     | 2081           | 3668          | 0.35%           | 0.034%        |
| 9         | 6.231       | 445           | 450         | 458          | rBV2     | 1836           | 4697          | 0.44%           | 0.044%        |
| 10        | 6.337       | 467           | 468         | 474          | rBV4     | 2473           | 3499          | 0.33%           | 0.033%        |
| 11        | 7.506       | 660           | 667         | 677          | rVB2     | 29597          | 60924         | 5.77%           | 0.566%        |
| 12        | 7.677       | 688           | 696         | 708          | rBV      | 82717          | 151271        | 14.32%          | 1.405%        |
| 13        | 7.759       | 708           | 710         | 718          | rVB6     | 1641           | 2999          | 0.28%           | 0.028%        |
| 14        | 7.888       | 724           | 732         | 750          | rVB      | 91166          | 176186        | 16.67%          | 1.637%        |
| 15        | 8.076       | 761           | 764         | 769          | rVB3     | 1496           | 2529          | 0.24%           | 0.023%        |
| 16        | 8.111       | 769           | 770         | 781          | rVB3     | 1248           | 3792          | 0.36%           | 0.035%        |
| 17        | 8.182       | 781           | 782         | 788          | rBV      | 1908           | 2420          | 0.23%           | 0.022%        |
| 18        | 8.229       | 788           | 790         | 796          | rBV4     | 1952           | 3098          | 0.29%           | 0.029%        |
| 19        | 8.358       | 805           | 812         | 825          | rBV      | 145411         | 257505        | 24.37%          | 2.392%        |
| 20        | 9.051       | 922           | 930         | 943          | rVB      | 77982          | 146694        | 13.88%          | 1.363%        |
| 21        | 9.521       | 1002          | 1010        | 1024         | rBV      | 116299         | 226859        | 21.47%          | 2.108%        |
| 22        | 10.115      | 1103          | 1111        | 1114         | rBV3     | 1648           | 4336          | 0.41%           | 0.040%        |
| 23        | 10.250      | 1124          | 1134        | 1144         | rBV2     | 99253          | 196278        | 18.57%          | 1.823%        |
| 24        | 10.432      | 1160          | 1165        | 1167         | rVB3     | 1703           | 2220          | 0.21%           | 0.021%        |
| 25        | 10.661      | 1198          | 1204        | 1207         | rVB3     | 1568           | 3613          | 0.34%           | 0.034%        |
| 26        | 10.685      | 1207          | 1208        | 1213         | rBV2     | 2290           | 2642          | 0.25%           | 0.025%        |
| 27        | 10.791      | 1217          | 1226        | 1239         | rBV2     | 121289         | 253577        | 24.00%          | 2.356%        |
| 28        | 10.885      | 1239          | 1242        | 1246         | rVB3     | 1792           | 2758          | 0.26%           | 0.026%        |
| 29        | 10.955      | 1252          | 1254        | 1258         | rVB2     | 1685           | 2406          | 0.23%           | 0.022%        |
| 30        | 11.108      | 1275          | 1280        | 1283         | rBV4     | 2835           | 4372          | 0.41%           | 0.041%        |
| 31        | 11.172      | 1283          | 1291        | 1302         | rVV      | 201995         | 384399        | 36.38%          | 3.571%        |
| 32        | 11.302      | 1310          | 1313        | 1317         | rVV3     | 1697           | 2478          | 0.23%           | 0.023%        |
| 33        | 11.801      | 1393          | 1398        | 1400         | rVB3     | 1888           | 2498          | 0.24%           | 0.023%        |
| 34        | 12.042      | 1435          | 1439        | 1442         | rBV2     | 1395           | 2320          | 0.22%           | 0.022%        |

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 Title : SVOA CALIBRATION

|    |        |      |      |      |      |        |        |        |        |
|----|--------|------|------|------|------|--------|--------|--------|--------|
| 35 | 12.735 | 1554 | 1557 | 1564 | rVB3 | 2498   | 4667   | 0.44%  | 0.043% |
| 36 | 12.976 | 1592 | 1598 | 1600 | rVB2 | 1215   | 2526   | 0.24%  | 0.023% |
| 37 | 13.317 | 1652 | 1656 | 1661 | rVB4 | 2303   | 3495   | 0.33%  | 0.032% |
| 38 | 13.558 | 1692 | 1697 | 1699 | rBV  | 2053   | 3355   | 0.32%  | 0.031% |
| 39 | 13.599 | 1699 | 1704 | 1710 | rVB5 | 2743   | 5999   | 0.57%  | 0.056% |
| 40 | 13.758 | 1727 | 1731 | 1736 | rVB5 | 2144   | 3212   | 0.30%  | 0.030% |
| 41 | 13.858 | 1744 | 1748 | 1750 | rVB3 | 2409   | 2320   | 0.22%  | 0.022% |
| 42 | 13.899 | 1750 | 1755 | 1762 | rBV2 | 1937   | 4211   | 0.40%  | 0.039% |
| 43 | 14.257 | 1811 | 1816 | 1819 | rBV2 | 1301   | 2223   | 0.21%  | 0.021% |
| 44 | 14.351 | 1825 | 1832 | 1844 | rBV  | 358299 | 542858 | 51.37% | 5.043% |
| 45 | 14.657 | 1874 | 1884 | 1893 | rBV  | 312901 | 513562 | 48.60% | 4.771% |
| 46 | 14.727 | 1893 | 1896 | 1899 | rVB4 | 1797   | 2433   | 0.23%  | 0.023% |
| 47 | 14.962 | 1928 | 1936 | 1947 | rBV2 | 342473 | 589812 | 55.82% | 5.479% |
| 48 | 15.162 | 1963 | 1970 | 1979 | rBV4 | 18868  | 46422  | 4.39%  | 0.431% |
| 49 | 15.591 | 2039 | 2043 | 2047 | rBV3 | 1739   | 3154   | 0.30%  | 0.029% |
| 50 | 15.749 | 2068 | 2070 | 2079 | rVB2 | 3459   | 5115   | 0.48%  | 0.048% |
| 51 | 15.838 | 2079 | 2085 | 2087 | rBV  | 1108   | 2203   | 0.21%  | 0.020% |
| 52 | 15.949 | 2096 | 2104 | 2115 | rVB  | 473150 | 733913 | 69.45% | 6.818% |
| 53 | 16.061 | 2117 | 2123 | 2134 | rBV  | 181284 | 282873 | 26.77% | 2.628% |
| 54 | 16.190 | 2140 | 2145 | 2151 | rVB2 | 4765   | 6890   | 0.65%  | 0.064% |
| 55 | 16.519 | 2198 | 2201 | 2210 | rVB4 | 2130   | 5588   | 0.53%  | 0.052% |
| 56 | 16.607 | 2210 | 2216 | 2218 | rBV2 | 2459   | 3576   | 0.34%  | 0.033% |
| 57 | 16.654 | 2218 | 2224 | 2230 | rVB3 | 2414   | 4507   | 0.43%  | 0.042% |
| 58 | 16.719 | 2230 | 2235 | 2241 | rBV2 | 1601   | 3123   | 0.30%  | 0.029% |
| 59 | 16.807 | 2247 | 2250 | 2253 | rBV2 | 1929   | 2285   | 0.22%  | 0.021% |
| 60 | 16.848 | 2253 | 2257 | 2260 | rVB2 | 1553   | 2270   | 0.21%  | 0.021% |
| 61 | 16.919 | 2260 | 2269 | 2274 | rBV3 | 2667   | 6380   | 0.60%  | 0.059% |
| 62 | 17.036 | 2284 | 2289 | 2292 | rBV2 | 1400   | 2448   | 0.23%  | 0.023% |
| 63 | 17.500 | 2366 | 2368 | 2372 | rVB2 | 2134   | 2647   | 0.25%  | 0.025% |
| 64 | 17.624 | 2386 | 2389 | 2395 | rVB4 | 1535   | 3026   | 0.29%  | 0.028% |
| 65 | 17.712 | 2395 | 2404 | 2413 | rBV2 | 540101 | 815034 | 77.13% | 7.572% |
| 66 | 17.812 | 2413 | 2421 | 2430 | rBV  | 567937 | 890060 | 84.23% | 8.269% |
| 67 | 18.111 | 2468 | 2472 | 2474 | rBV2 | 1608   | 2316   | 0.22%  | 0.022% |
| 68 | 18.587 | 2549 | 2553 | 2558 | rBV4 | 1802   | 3756   | 0.36%  | 0.035% |
| 69 | 18.646 | 2560 | 2563 | 2567 | rVB3 | 1745   | 2320   | 0.22%  | 0.022% |
| 70 | 18.764 | 2579 | 2583 | 2588 | rBV5 | 2025   | 3622   | 0.34%  | 0.034% |
| 71 | 18.887 | 2599 | 2604 | 2609 | rVB4 | 2228   | 4862   | 0.46%  | 0.045% |

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|-----|--------|------|------|------|------|--------|---------|---------|--------|
| 72  | 19.381 | 2687 | 2688 | 2695 | rBV3 | 2313   | 4694    | 0.44%   | 0.044% |
| 73  | 19.504 | 2704 | 2709 | 2710 | rVB2 | 2474   | 3245    | 0.31%   | 0.030% |
| 74  | 19.651 | 2731 | 2734 | 2738 | rBV4 | 1855   | 2907    | 0.28%   | 0.027% |
| 75  | 19.715 | 2742 | 2745 | 2751 | rBV3 | 8292   | 13502   | 1.28%   | 0.125% |
| 76  | 19.862 | 2767 | 2770 | 2772 | rVB4 | 2446   | 2844    | 0.27%   | 0.026% |
| 77  | 19.909 | 2775 | 2778 | 2781 | rVV5 | 3011   | 3331    | 0.32%   | 0.031% |
| 78  | 19.968 | 2785 | 2788 | 2795 | rVB4 | 6354   | 10293   | 0.97%   | 0.096% |
| 79  | 20.086 | 2800 | 2808 | 2819 | rBV  | 733728 | 1056680 | 100.00% | 9.817% |
| 80  | 20.238 | 2831 | 2834 | 2835 | rBV2 | 2669   | 2326    | 0.22%   | 0.022% |
| 81  | 20.297 | 2842 | 2844 | 2846 | rBV3 | 2503   | 2391    | 0.23%   | 0.022% |
| 82  | 20.432 | 2866 | 2867 | 2870 | rBV3 | 2632   | 2451    | 0.23%   | 0.023% |
| 83  | 20.509 | 2877 | 2880 | 2884 | rVB5 | 3386   | 4629    | 0.44%   | 0.043% |
| 84  | 20.567 | 2885 | 2890 | 2892 | rBV3 | 2639   | 4112    | 0.39%   | 0.038% |
| 85  | 20.650 | 2902 | 2904 | 2908 | rBV5 | 2829   | 2418    | 0.23%   | 0.022% |
| 86  | 20.738 | 2916 | 2919 | 2922 | rVB4 | 3529   | 4154    | 0.39%   | 0.039% |
| 87  | 20.814 | 2929 | 2932 | 2935 | rVB4 | 4677   | 5176    | 0.49%   | 0.048% |
| 88  | 21.390 | 3027 | 3030 | 3041 | rBV4 | 8127   | 18698   | 1.77%   | 0.174% |
| 89  | 22.042 | 3131 | 3141 | 3152 | rBV  | 492683 | 928931  | 87.91%  | 8.630% |
| 90  | 22.342 | 3190 | 3192 | 3194 | rBV3 | 4066   | 3769    | 0.36%   | 0.035% |
| 91  | 22.465 | 3210 | 3213 | 3216 | rBV5 | 5345   | 8104    | 0.77%   | 0.075% |
| 92  | 23.264 | 3347 | 3349 | 3353 | rBV4 | 7021   | 5163    | 0.49%   | 0.048% |
| 93  | 23.605 | 3402 | 3407 | 3412 | rVB4 | 11903  | 22402   | 2.12%   | 0.208% |
| 94  | 23.981 | 3470 | 3471 | 3475 | rBV4 | 4325   | 4734    | 0.45%   | 0.044% |
| 95  | 24.475 | 3548 | 3555 | 3561 | rBV6 | 21238  | 43699   | 4.14%   | 0.406% |
| 96  | 25.315 | 3684 | 3698 | 3709 | rBV2 | 299169 | 928022  | 87.82%  | 8.622% |
| 97  | 25.550 | 3723 | 3738 | 3754 | rVB3 | 270521 | 915304  | 86.62%  | 8.503% |
| 98  | 26.731 | 3932 | 3939 | 3953 | rVB5 | 26168  | 89653   | 8.48%   | 0.833% |
| 99  | 28.217 | 4183 | 4192 | 4202 | rVB3 | 29633  | 106553  | 10.08%  | 0.990% |
| 100 | 30.003 | 4482 | 4496 | 4512 | rVB5 | 20717  | 91447   | 8.65%   | 0.850% |

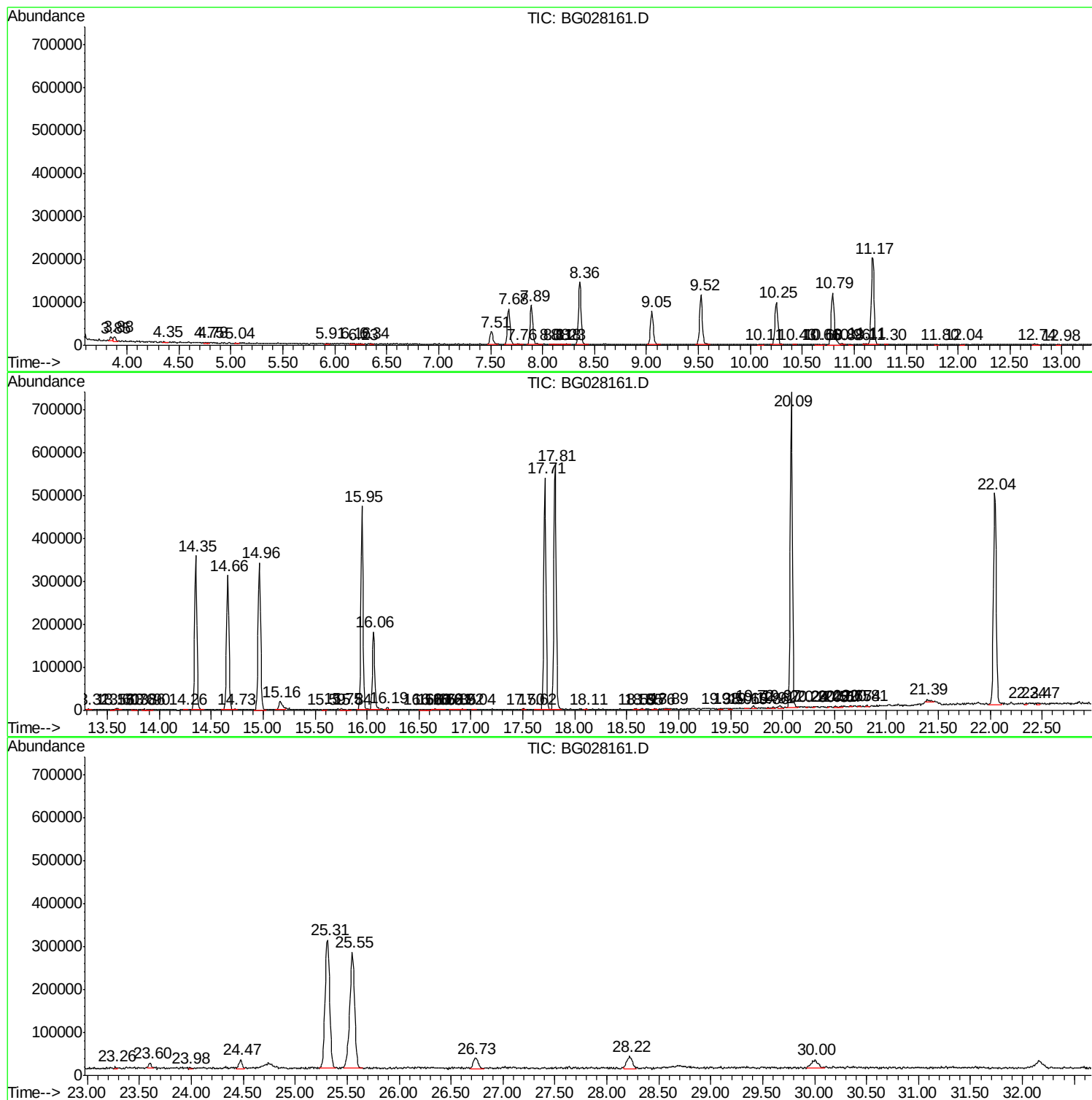
Sum of corrected areas: 10764015

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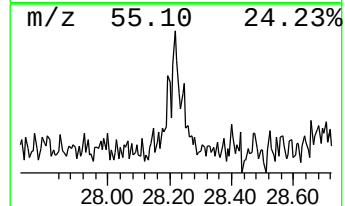
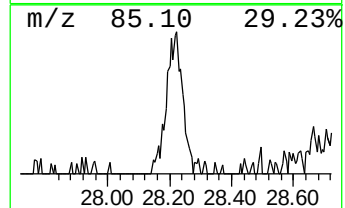
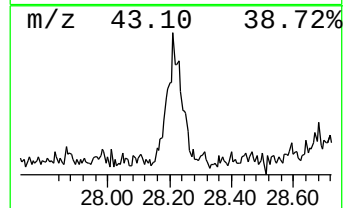
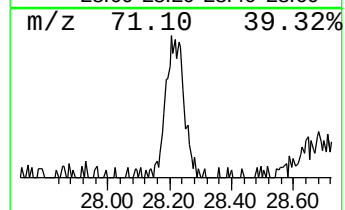
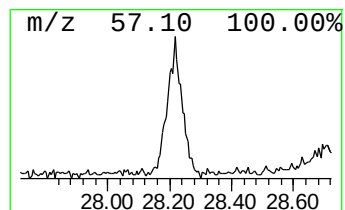
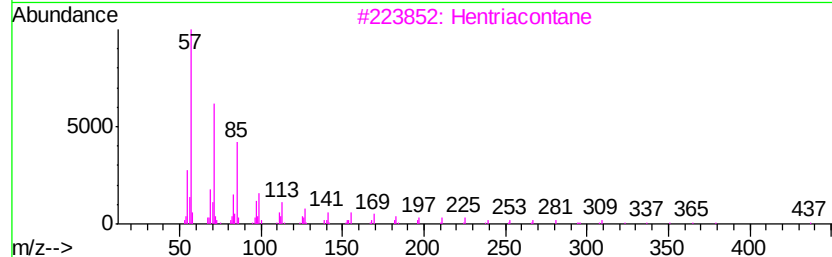
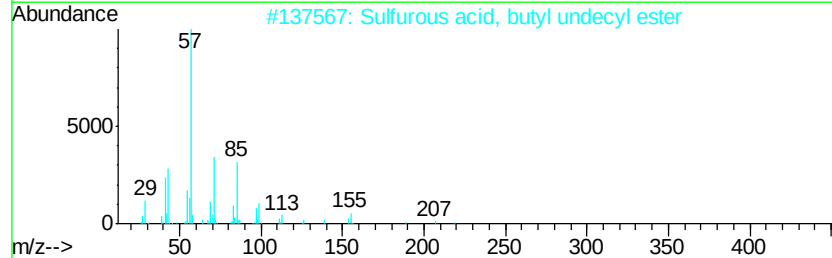
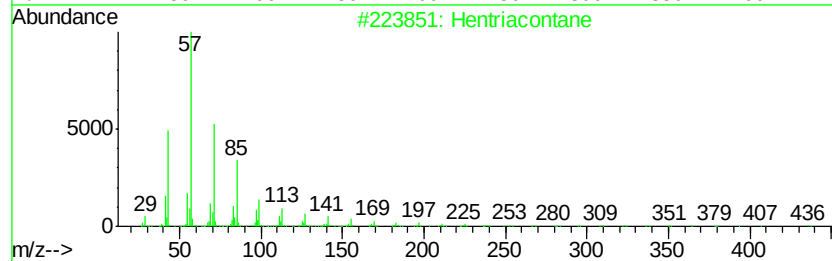
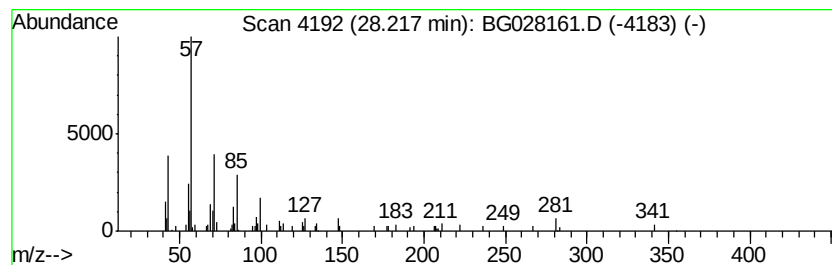
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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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 | 2.33 ng/ul | 106553 | Perylene-d12     | 25.55 |

| Hit# | of | Tentative ID                        | MW  | MolForm   | CAS#         | Qual |
|------|----|-------------------------------------|-----|-----------|--------------|------|
| 1    | 5  | Hentriacontane                      | 437 | C31H64    | 000630-04-6  | 64   |
| 2    |    | Sulfurous acid, butyl undecyl ester | 292 | C15H32O3S | 1000309-17-8 | 59   |
| 3    |    | Hentriacontane                      | 437 | C31H64    | 000630-04-6  | 58   |
| 4    |    | Eicosane, 7-hexyl-                  | 366 | C26H54    | 055333-99-8  | 58   |
| 5    |    | Sulfurous acid, butyl decyl ester   | 278 | C14H30O3S | 1000309-17-7 | 53   |



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| TIC Top Hit name     | RT    | EstConc | Units | Response | --Internal Standard-- |       |        |      |
|----------------------|-------|---------|-------|----------|-----------------------|-------|--------|------|
|                      |       |         |       |          | #                     | RT    | Resp   | Conc |
| (DEL) Alkane: Str... | 28.22 | 2.3     | ng/ul | 106553   | 6                     | 25.55 | 915304 | 20.0 |