

Data Path : Z:\HPCHEM1\BNA\_G\DATA\BG071315\  
 Data File : BG017830.D  
 Acq On : 13 Jul 2015 19:47  
 Operator : TP/UM  
 Sample : G2936-11  
 Misc :  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 C01W3

## 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\_G\METHODS\SOM02.2-EPA-BG070915.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         | 2.794       | 14            | 18          | 25           | rVB3     | 81554          | 154510        | 7.55%           | 0.703%        |
| 2         | 2.871       | 26            | 31          | 43           | rVB      | 1033689        | 1511653       | 73.88%          | 6.879%        |
| 3         | 5.926       | 549           | 551         | 552          | rBV      | 4681           | 2973          | 0.15%           | 0.014%        |
| 4         | 6.502       | 646           | 649         | 650          | rBV3     | 3604           | 2774          | 0.14%           | 0.013%        |
| 5         | 6.766       | 685           | 694         | 703          | rVB      | 115034         | 179346        | 8.77%           | 0.816%        |
| 6         | 6.931       | 716           | 722         | 731          | rVV      | 307978         | 478504        | 23.39%          | 2.177%        |
| 7         | 7.019       | 735           | 737         | 742          | rBV5     | 4149           | 5137          | 0.25%           | 0.023%        |
| 8         | 7.125       | 748           | 755         | 761          | rBV      | 343271         | 536130        | 26.20%          | 2.440%        |
| 9         | 7.219       | 769           | 771         | 774          | rVB3     | 4683           | 4806          | 0.23%           | 0.022%        |
| 10        | 7.424       | 803           | 806         | 807          | rBV3     | 3158           | 2614          | 0.13%           | 0.012%        |
| 11        | 7.459       | 810           | 812         | 815          | rVB3     | 2500           | 2526          | 0.12%           | 0.011%        |
| 12        | 7.589       | 827           | 834         | 840          | rBV      | 315397         | 500903        | 24.48%          | 2.279%        |
| 13        | 7.671       | 844           | 848         | 849          | rBV4     | 3302           | 3709          | 0.18%           | 0.017%        |
| 14        | 7.706       | 852           | 854         | 858          | rVB4     | 2070           | 2565          | 0.13%           | 0.012%        |
| 15        | 7.736       | 858           | 859         | 862          | rBV3     | 2521           | 2511          | 0.12%           | 0.011%        |
| 16        | 7.929       | 888           | 892         | 896          | rBV5     | 2599           | 3788          | 0.19%           | 0.017%        |
| 17        | 7.971       | 896           | 899         | 906          | rVB6     | 1945           | 4374          | 0.21%           | 0.020%        |
| 18        | 8.029       | 906           | 909         | 910          | rBV3     | 3648           | 2360          | 0.12%           | 0.011%        |
| 19        | 8.065       | 914           | 915         | 919          | rBV3     | 1929           | 2470          | 0.12%           | 0.011%        |
| 20        | 8.294       | 947           | 954         | 963          | rVB      | 281057         | 432487        | 21.14%          | 1.968%        |
| 21        | 8.364       | 963           | 966         | 967          | rVB2     | 3028           | 2479          | 0.12%           | 0.011%        |
| 22        | 8.740       | 1021          | 1030        | 1038         | rBV      | 390068         | 632777        | 30.93%          | 2.879%        |
| 23        | 9.287       | 1120          | 1123        | 1125         | rVV2     | 2391           | 3045          | 0.15%           | 0.014%        |
| 24        | 9.316       | 1125          | 1128        | 1131         | rVB3     | 2106           | 2357          | 0.12%           | 0.011%        |
| 25        | 9.457       | 1143          | 1152        | 1160         | rBV      | 303303         | 495003        | 24.19%          | 2.253%        |
| 26        | 9.622       | 1179          | 1180        | 1185         | rVB3     | 1832           | 2804          | 0.14%           | 0.013%        |
| 27        | 9.663       | 1185          | 1187        | 1190         | rBV4     | 1867           | 2758          | 0.13%           | 0.013%        |
| 28        | 9.992       | 1236          | 1243        | 1253         | rBV      | 431320         | 697261        | 34.08%          | 3.173%        |
| 29        | 10.368      | 1299          | 1307        | 1315         | rVV      | 443509         | 738826        | 36.11%          | 3.362%        |
| 30        | 10.509      | 1326          | 1331        | 1337         | rBV2     | 12266          | 20741         | 1.01%           | 0.094%        |
| 31        | 10.996      | 1410          | 1414        | 1420         | rVB4     | 1533           | 2924          | 0.14%           | 0.013%        |
| 32        | 11.314      | 1465          | 1468        | 1470         | rBV2     | 1985           | 2334          | 0.11%           | 0.011%        |
| 33        | 12.072      | 1595          | 1597        | 1600         | rBV3     | 2111           | 2651          | 0.13%           | 0.012%        |
| 34        | 12.595      | 1683          | 1686        | 1688         | rBV3     | 4100           | 3914          | 0.19%           | 0.018%        |

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 Title : SVOA CALIBRATION

|    |        |      |      |      |      |         |         |        |        |
|----|--------|------|------|------|------|---------|---------|--------|--------|
| 35 | 12.853 | 1723 | 1730 | 1734 | rBV5 | 5411    | 10596   | 0.52%  | 0.048% |
| 36 | 13.153 | 1776 | 1781 | 1785 | rBV2 | 3258    | 4899    | 0.24%  | 0.022% |
| 37 | 13.664 | 1861 | 1868 | 1876 | rBV  | 807681  | 1143971 | 55.91% | 5.206% |
| 38 | 13.934 | 1906 | 1914 | 1924 | rVV  | 916467  | 1364387 | 66.68% | 6.209% |
| 39 | 14.246 | 1960 | 1967 | 1978 | rBV2 | 638323  | 971828  | 47.50% | 4.422% |
| 40 | 14.445 | 1994 | 2001 | 2016 | rBV  | 84817   | 144310  | 7.05%  | 0.657% |
| 41 | 14.786 | 2054 | 2059 | 2060 | rVV3 | 2098    | 2675    | 0.13%  | 0.012% |
| 42 | 14.968 | 2086 | 2090 | 2093 | rBV3 | 1982    | 2975    | 0.15%  | 0.014% |
| 43 | 15.244 | 2131 | 2137 | 2144 | rVV  | 1209144 | 1664262 | 81.34% | 7.573% |
| 44 | 15.362 | 2152 | 2157 | 2165 | rBV  | 327761  | 467179  | 22.83% | 2.126% |
| 45 | 15.479 | 2174 | 2177 | 2181 | rVB3 | 6168    | 8613    | 0.42%  | 0.039% |
| 46 | 15.979 | 2258 | 2262 | 2265 | rVB4 | 2016    | 2485    | 0.12%  | 0.011% |
| 47 | 16.120 | 2281 | 2286 | 2288 | rBV4 | 1671    | 2712    | 0.13%  | 0.012% |
| 48 | 16.161 | 2288 | 2293 | 2295 | rVV4 | 2153    | 3563    | 0.17%  | 0.016% |
| 49 | 16.202 | 2296 | 2300 | 2305 | rVB6 | 4028    | 7017    | 0.34%  | 0.032% |
| 50 | 16.760 | 2391 | 2395 | 2396 | rBV  | 2901    | 2914    | 0.14%  | 0.013% |
| 51 | 16.784 | 2396 | 2399 | 2401 | rVV4 | 4092    | 4577    | 0.22%  | 0.021% |
| 52 | 16.919 | 2419 | 2422 | 2425 | rVB3 | 2282    | 2423    | 0.12%  | 0.011% |
| 53 | 16.995 | 2429 | 2435 | 2442 | rBV2 | 825536  | 1145503 | 55.98% | 5.213% |
| 54 | 17.095 | 2445 | 2452 | 2460 | rBV  | 1299643 | 1800017 | 87.97% | 8.191% |
| 55 | 17.301 | 2480 | 2487 | 2494 | rVB  | 76169   | 103039  | 5.04%  | 0.469% |
| 56 | 17.407 | 2503 | 2505 | 2509 | rBV3 | 2561    | 3767    | 0.18%  | 0.017% |
| 57 | 17.524 | 2522 | 2525 | 2529 | rVB5 | 3083    | 4411    | 0.22%  | 0.020% |
| 58 | 17.683 | 2549 | 2552 | 2554 | rBV3 | 3065    | 4107    | 0.20%  | 0.019% |
| 59 | 17.918 | 2587 | 2592 | 2595 | rVV4 | 12185   | 20714   | 1.01%  | 0.094% |
| 60 | 17.947 | 2595 | 2597 | 2599 | rVV3 | 3774    | 3688    | 0.18%  | 0.017% |
| 61 | 17.982 | 2599 | 2603 | 2607 | rVV2 | 5182    | 8696    | 0.42%  | 0.040% |
| 62 | 18.059 | 2613 | 2616 | 2617 | rVV3 | 2860    | 2463    | 0.12%  | 0.011% |
| 63 | 18.112 | 2620 | 2625 | 2626 | rBV2 | 2318    | 2765    | 0.14%  | 0.013% |
| 64 | 18.217 | 2640 | 2643 | 2645 | rBV3 | 2606    | 2503    | 0.12%  | 0.011% |
| 65 | 18.282 | 2651 | 2654 | 2657 | rBV5 | 2005    | 2594    | 0.13%  | 0.012% |
| 66 | 18.347 | 2663 | 2665 | 2667 | rBV  | 2319    | 2708    | 0.13%  | 0.012% |
| 67 | 18.593 | 2703 | 2707 | 2709 | rVB3 | 2109    | 3449    | 0.17%  | 0.016% |
| 68 | 18.623 | 2709 | 2712 | 2714 | rVB3 | 3195    | 3217    | 0.16%  | 0.015% |
| 69 | 18.729 | 2726 | 2730 | 2732 | rBV4 | 2760    | 2850    | 0.14%  | 0.013% |
| 70 | 18.799 | 2740 | 2742 | 2745 | rVB3 | 2800    | 2749    | 0.13%  | 0.013% |
| 71 | 18.840 | 2747 | 2749 | 2754 | rVV4 | 2269    | 3212    | 0.16%  | 0.015% |

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Method : Z:\HPCHEM1\BNA\_G\METHODS\SOM02.2-EPA-BG070915.M  
 Title : SVOA CALIBRATION

|     |        |      |      |      |      |         |         |         |        |
|-----|--------|------|------|------|------|---------|---------|---------|--------|
| 72  | 19.022 | 2777 | 2780 | 2785 | rBV3 | 2391    | 4911    | 0.24%   | 0.022% |
| 73  | 19.204 | 2808 | 2811 | 2815 | rBV4 | 9540    | 11607   | 0.57%   | 0.053% |
| 74  | 19.263 | 2818 | 2821 | 2822 | rVV3 | 2234    | 2467    | 0.12%   | 0.011% |
| 75  | 19.287 | 2822 | 2825 | 2829 | rVB2 | 12389   | 13774   | 0.67%   | 0.063% |
| 76  | 19.404 | 2838 | 2845 | 2857 | rVB2 | 1433090 | 2046147 | 100.00% | 9.311% |
| 77  | 19.487 | 2857 | 2859 | 2861 | rBV2 | 3228    | 2790    | 0.14%   | 0.013% |
| 78  | 19.539 | 2865 | 2868 | 2870 | rBV3 | 3784    | 3262    | 0.16%   | 0.015% |
| 79  | 19.863 | 2921 | 2923 | 2926 | rVB3 | 2886    | 2421    | 0.12%   | 0.011% |
| 80  | 20.098 | 2961 | 2963 | 2965 | rBV2 | 2634    | 3163    | 0.15%   | 0.014% |
| 81  | 20.121 | 2965 | 2967 | 2968 | rVV2 | 4373    | 2991    | 0.15%   | 0.014% |
| 82  | 20.409 | 3012 | 3016 | 3017 | rBV4 | 4436    | 5147    | 0.25%   | 0.023% |
| 83  | 20.432 | 3017 | 3020 | 3023 | rVV5 | 1982    | 2650    | 0.13%   | 0.012% |
| 84  | 20.456 | 3023 | 3024 | 3026 | rBV  | 2887    | 2415    | 0.12%   | 0.011% |
| 85  | 20.773 | 3077 | 3078 | 3080 | rBV2 | 5063    | 2377    | 0.12%   | 0.011% |
| 86  | 20.885 | 3095 | 3097 | 3099 | rBV2 | 4592    | 2894    | 0.14%   | 0.013% |
| 87  | 20.926 | 3102 | 3104 | 3107 | rVV3 | 3338    | 3352    | 0.16%   | 0.015% |
| 88  | 20.961 | 3108 | 3110 | 3112 | rVV3 | 3998    | 3046    | 0.15%   | 0.014% |
| 89  | 20.997 | 3112 | 3116 | 3120 | rVB4 | 17550   | 21271   | 1.04%   | 0.097% |
| 90  | 21.108 | 3133 | 3135 | 3136 | rBV2 | 2764    | 2682    | 0.13%   | 0.012% |
| 91  | 21.132 | 3136 | 3139 | 3142 | rVV5 | 7207    | 8816    | 0.43%   | 0.040% |
| 92  | 21.196 | 3145 | 3150 | 3160 | rVV  | 1063771 | 1270974 | 62.12%  | 5.784% |
| 93  | 21.613 | 3217 | 3221 | 3222 | rBV4 | 4890    | 6322    | 0.31%   | 0.029% |
| 94  | 21.754 | 3243 | 3245 | 3247 | rBV2 | 6113    | 5210    | 0.25%   | 0.024% |
| 95  | 22.254 | 3325 | 3330 | 3335 | rBV8 | 21865   | 46654   | 2.28%   | 0.212% |
| 96  | 22.683 | 3400 | 3403 | 3409 | rVB8 | 12712   | 17189   | 0.84%   | 0.078% |
| 97  | 23.276 | 3496 | 3504 | 3516 | rBV  | 1011368 | 1862475 | 91.02%  | 8.475% |
| 98  | 23.417 | 3520 | 3528 | 3538 | rBV  | 660703  | 1231391 | 60.18%  | 5.603% |
| 99  | 23.952 | 3617 | 3619 | 3620 | rBV2 | 6396    | 4228    | 0.21%   | 0.019% |
| 100 | 28.705 | 4426 | 4428 | 4429 | rBV2 | 5746    | 3026    | 0.15%   | 0.014% |

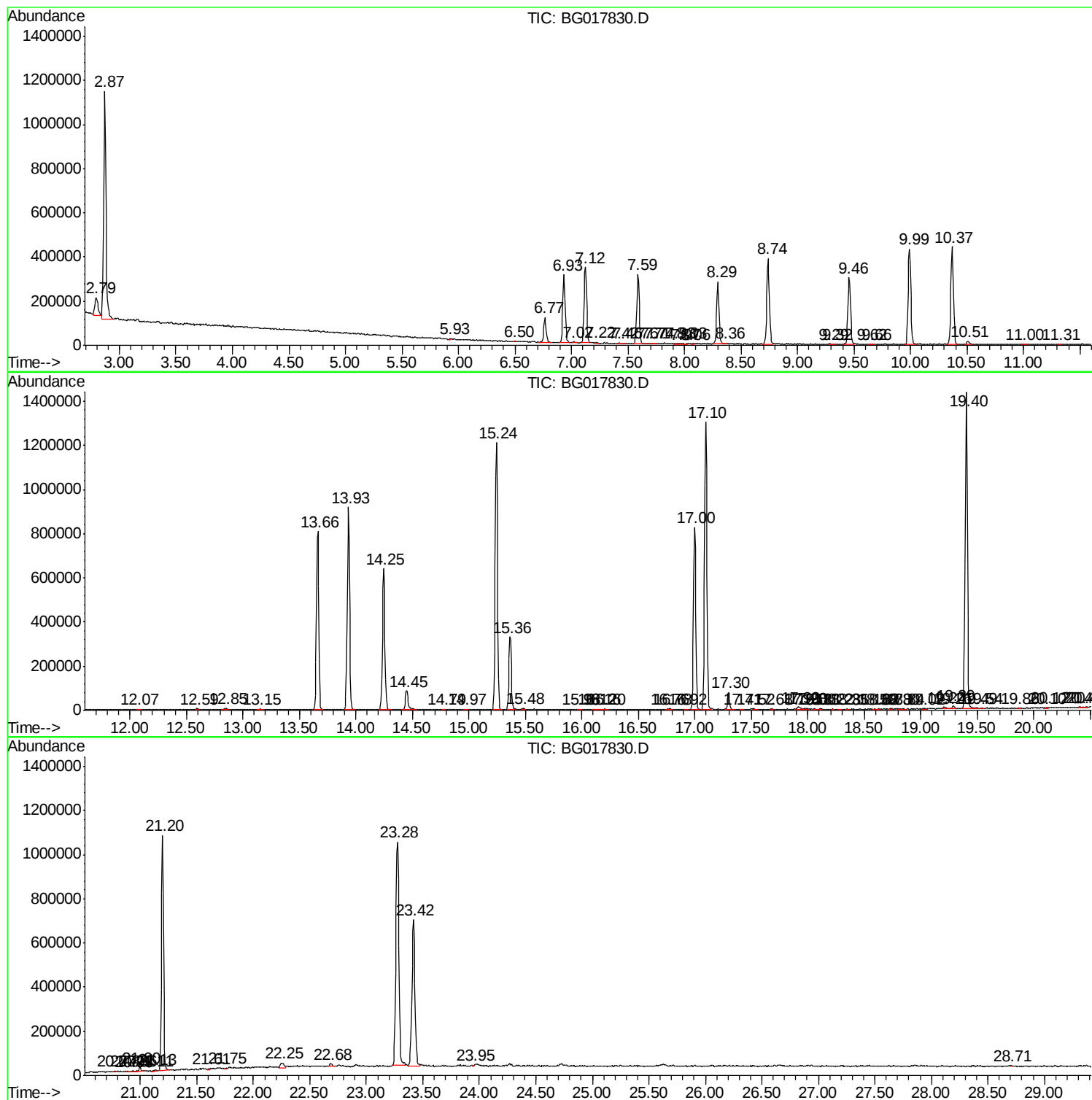
Sum of corrected areas: 21975504

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Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\SOM02.2-EPA-BG070915.M  
Quant Title : SVOA CALIBRATION

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



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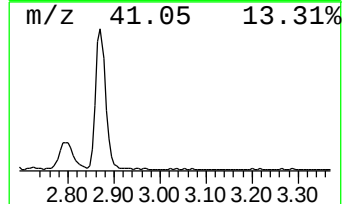
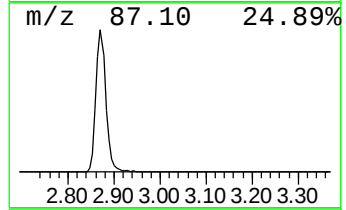
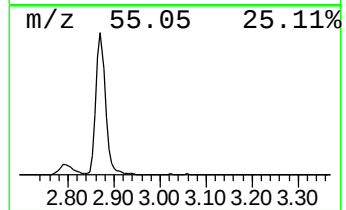
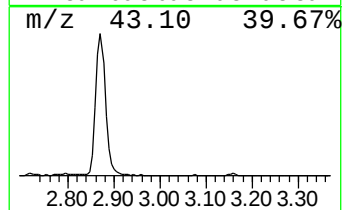
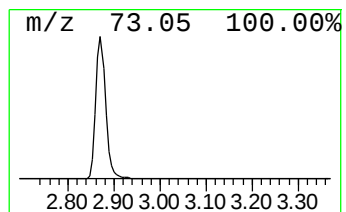
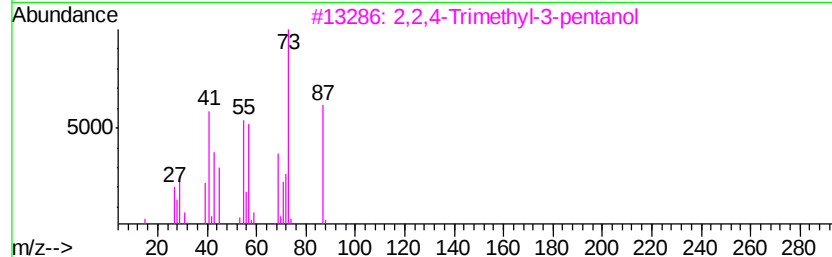
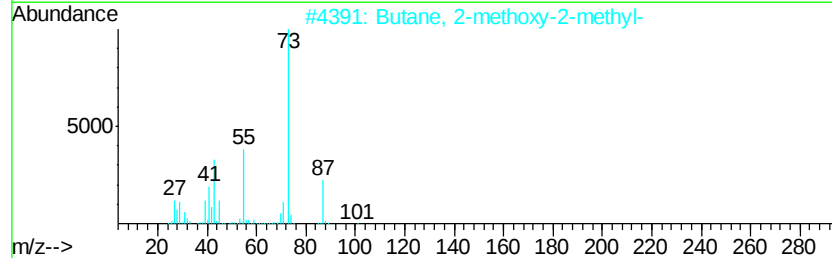
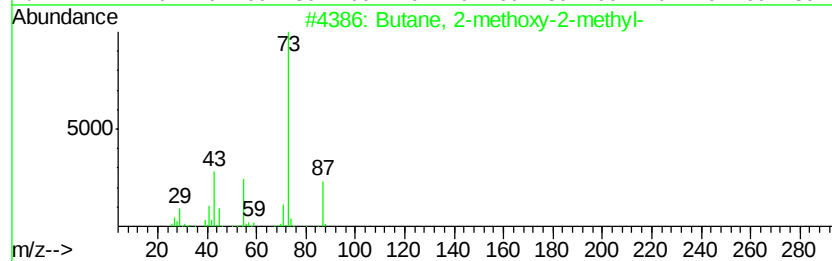
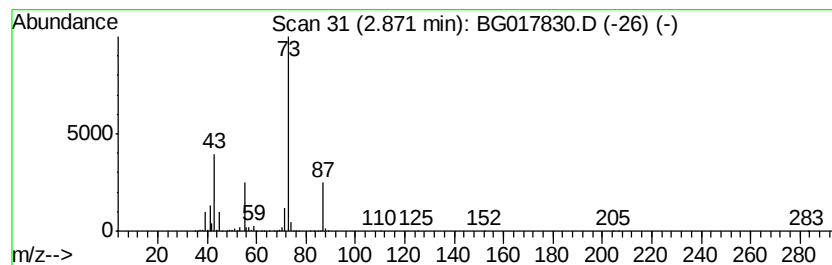
Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\SOM02.2-EPA-BG070915.M  
Quant Title : SVOA CALIBRATION

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

\*\*\*\*\*  
Peak Number 2 Butane, 2-methoxy-2-methyl- Concentration Rank 1

| R.T. | EstConc     | Area    | Relative to ISTD       | R.T. |
|------|-------------|---------|------------------------|------|
| 2.87 | 60.36 ng/ul | 1511650 | 1,4-Dichlorobenzene-d4 | 7.59 |

| Hit# | of | Tentative ID                | MW  | MolForm | CAS#        | Qual |
|------|----|-----------------------------|-----|---------|-------------|------|
| 1    | 5  | Butane, 2-methoxy-2-methyl- | 102 | C6H14O  | 000994-05-8 | 83   |
| 2    |    | Butane, 2-methoxy-2-methyl- | 102 | C6H14O  | 000994-05-8 | 56   |
| 3    |    | 2,2,4-Trimethyl-3-pentanol  | 130 | C8H18O  | 005162-48-1 | 50   |
| 4    |    | Acetamide, N-ethyl-         | 87  | C4H9NO  | 000625-50-3 | 27   |
| 5    |    | Pentane, 3-methoxy-         | 102 | C6H14O  | 036839-67-5 | 12   |



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| TIC Top Hit name     | RT   | EstConc | Units | Response | --Internal Standard-- |      |        |      |
|----------------------|------|---------|-------|----------|-----------------------|------|--------|------|
|                      |      |         |       |          | #                     | RT   | Resp   | Conc |
| Butane, 2-methoxy... | 2.87 | 60.4    | ng/ul | 1511650  | 1                     | 7.59 | 500903 | 20.0 |