

Data Path : Z:\HPCHEM1\BNA G\DATA\BG093015\  
 Data File : BG018963.D  
 Acq On : 30 Sep 2015 2:46  
 Operator : UM/NP  
 Sample : G3803-18  
 Misc :  
 ALS Vial : 21 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 E43K6

## 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-BG091015.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         | 2.867       | 3             | 5           | 11           | rVB3     | 9271           | 13570         | 0.93%           | 0.127%        |
| 2         | 3.084       | 37            | 42          | 50           | rBV      | 83118          | 153138        | 10.53%          | 1.434%        |
| 3         | 3.161       | 50            | 55          | 65           | rVB      | 203459         | 275653        | 18.95%          | 2.582%        |
| 4         | 3.425       | 97            | 100         | 103          | rBV3     | 3307           | 3289          | 0.23%           | 0.031%        |
| 5         | 4.171       | 224           | 227         | 230          | rVV4     | 3073           | 3934          | 0.27%           | 0.037%        |
| 6         | 4.271       | 240           | 244         | 248          | rBV4     | 1614           | 1969          | 0.14%           | 0.018%        |
| 7         | 4.465       | 274           | 277         | 280          | rVV2     | 1604           | 2154          | 0.15%           | 0.020%        |
| 8         | 5.094       | 378           | 384         | 392          | rBV2     | 15466          | 26742         | 1.84%           | 0.250%        |
| 9         | 5.775       | 498           | 500         | 503          | rVB4     | 1281           | 1682          | 0.12%           | 0.016%        |
| 10        | 5.816       | 503           | 507         | 508          | rBV3     | 1396           | 1932          | 0.13%           | 0.018%        |
| 11        | 7.109       | 723           | 727         | 730          | rBV3     | 3429           | 5751          | 0.40%           | 0.054%        |
| 12        | 7.156       | 730           | 735         | 743          | rVV      | 40357          | 66964         | 4.60%           | 0.627%        |
| 13        | 7.309       | 753           | 761         | 769          | rBV      | 149104         | 239153        | 16.44%          | 2.240%        |
| 14        | 7.520       | 791           | 797         | 809          | rVB      | 142942         | 245975        | 16.91%          | 2.304%        |
| 15        | 7.984       | 869           | 876         | 884          | rBV      | 163141         | 278600        | 19.15%          | 2.609%        |
| 16        | 8.695       | 991           | 997         | 1005         | rBV      | 119009         | 204690        | 14.07%          | 1.917%        |
| 17        | 8.801       | 1013          | 1015        | 1022         | rVB4     | 1215           | 2622          | 0.18%           | 0.025%        |
| 18        | 9.148       | 1066          | 1074        | 1085         | rBV      | 152284         | 275844        | 18.96%          | 2.583%        |
| 19        | 9.306       | 1097          | 1101        | 1106         | rVB3     | 3284           | 4557          | 0.31%           | 0.043%        |
| 20        | 9.559       | 1138          | 1144        | 1149         | rVB2     | 21591          | 30913         | 2.12%           | 0.290%        |
| 21        | 9.870       | 1189          | 1197        | 1204         | rBV      | 128653         | 236290        | 16.24%          | 2.213%        |
| 22        | 10.411      | 1281          | 1289        | 1304         | rBV      | 207368         | 391514        | 26.91%          | 3.667%        |
| 23        | 10.787      | 1344          | 1353        | 1363         | rBV      | 239884         | 421332        | 28.96%          | 3.946%        |
| 24        | 12.050      | 1563          | 1568        | 1573         | rBV3     | 17157          | 23900         | 1.64%           | 0.224%        |
| 25        | 12.420      | 1630          | 1631        | 1635         | rBV3     | 1482           | 1935          | 0.13%           | 0.018%        |
| 26        | 12.573      | 1652          | 1657        | 1660         | rVB3     | 1036           | 1887          | 0.13%           | 0.018%        |
| 27        | 14.013      | 1895          | 1902        | 1909         | rBV      | 456730         | 661334        | 45.46%          | 6.194%        |
| 28        | 14.306      | 1945          | 1952        | 1960         | rVV      | 343453         | 535974        | 36.84%          | 5.020%        |
| 29        | 14.612      | 1998          | 2004        | 2012         | rVB2     | 404165         | 656879        | 45.15%          | 6.152%        |
| 30        | 14.823      | 2035          | 2040        | 2052         | rBV2     | 29326          | 65981         | 4.54%           | 0.618%        |
| 31        | 15.605      | 2166          | 2173        | 2180         | rBV      | 341056         | 512000        | 35.19%          | 4.795%        |
| 32        | 15.722      | 2187          | 2193        | 2208         | rVV      | 112262         | 180764        | 12.42%          | 1.693%        |
| 33        | 15.840      | 2208          | 2213        | 2217         | rVB6     | 3891           | 6038          | 0.42%           | 0.057%        |
| 34        | 16.551      | 2331          | 2334        | 2335         | rBV2     | 1751           | 1648          | 0.11%           | 0.015%        |

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Method : Z:\HPCHEM1\BNA\_G\METHODS\SOM02.2-EPA-BG091015.M  
 Title : SVOA CALIBRATION

|    |        |      |      |      |      |        |         |        |        |
|----|--------|------|------|------|------|--------|---------|--------|--------|
| 35 | 16.786 | 2371 | 2374 | 2377 | rBV  | 1824   | 1755    | 0.12%  | 0.016% |
| 36 | 17.103 | 2424 | 2428 | 2431 | rBV2 | 1548   | 2101    | 0.14%  | 0.020% |
| 37 | 17.144 | 2431 | 2435 | 2439 | rBV3 | 3044   | 4917    | 0.34%  | 0.046% |
| 38 | 17.356 | 2464 | 2471 | 2479 | rVV  | 662693 | 1003586 | 68.98% | 9.399% |
| 39 | 17.456 | 2482 | 2488 | 2494 | rVB  | 91920  | 138384  | 9.51%  | 1.296% |
| 40 | 17.632 | 2515 | 2518 | 2521 | rBV3 | 1265   | 1860    | 0.13%  | 0.017% |
| 41 | 17.732 | 2530 | 2535 | 2536 | rBV3 | 2074   | 2110    | 0.15%  | 0.020% |
| 42 | 17.967 | 2572 | 2575 | 2578 | rVB2 | 3327   | 4176    | 0.29%  | 0.039% |
| 43 | 18.014 | 2580 | 2583 | 2586 | rVB5 | 3167   | 3193    | 0.22%  | 0.030% |
| 44 | 18.308 | 2629 | 2633 | 2637 | rVV  | 3576   | 5120    | 0.35%  | 0.048% |
| 45 | 19.030 | 2754 | 2756 | 2759 | rVB3 | 1687   | 1924    | 0.13%  | 0.018% |
| 46 | 19.060 | 2759 | 2761 | 2763 | rBV2 | 1376   | 1697    | 0.12%  | 0.016% |
| 47 | 19.124 | 2771 | 2772 | 2775 | rBV2 | 1564   | 2046    | 0.14%  | 0.019% |
| 48 | 19.212 | 2786 | 2787 | 2789 | rBV2 | 2041   | 1638    | 0.11%  | 0.015% |
| 49 | 19.389 | 2815 | 2817 | 2818 | rBV  | 2728   | 1821    | 0.13%  | 0.017% |
| 50 | 19.406 | 2818 | 2820 | 2823 | rVV4 | 2633   | 2761    | 0.19%  | 0.026% |
| 51 | 19.453 | 2827 | 2828 | 2831 | rVV3 | 2553   | 2204    | 0.15%  | 0.021% |
| 52 | 19.506 | 2835 | 2837 | 2838 | rVB2 | 2844   | 1751    | 0.12%  | 0.016% |
| 53 | 19.524 | 2838 | 2840 | 2841 | rBV2 | 2606   | 2388    | 0.16%  | 0.022% |
| 54 | 19.535 | 2841 | 2842 | 2844 | rVV2 | 3162   | 2266    | 0.16%  | 0.021% |
| 55 | 19.553 | 2844 | 2845 | 2848 | rVV2 | 1952   | 2462    | 0.17%  | 0.023% |
| 56 | 19.600 | 2848 | 2853 | 2855 | rVV4 | 4665   | 8570    | 0.59%  | 0.080% |
| 57 | 19.647 | 2855 | 2861 | 2865 | rVV3 | 31753  | 43024   | 2.96%  | 0.403% |
| 58 | 19.676 | 2865 | 2866 | 2869 | rVV3 | 2452   | 2226    | 0.15%  | 0.021% |
| 59 | 19.735 | 2871 | 2876 | 2885 | rVV2 | 375624 | 563246  | 38.71% | 5.275% |
| 60 | 19.917 | 2904 | 2907 | 2909 | rVB4 | 2730   | 2594    | 0.18%  | 0.024% |
| 61 | 19.947 | 2909 | 2912 | 2913 | rBV3 | 2608   | 2954    | 0.20%  | 0.028% |
| 62 | 20.058 | 2928 | 2931 | 2932 | rBV2 | 2078   | 2437    | 0.17%  | 0.023% |
| 63 | 20.105 | 2937 | 2939 | 2944 | rVV5 | 2508   | 3557    | 0.24%  | 0.033% |
| 64 | 20.205 | 2954 | 2956 | 2960 | rBV5 | 1350   | 1975    | 0.14%  | 0.018% |
| 65 | 20.258 | 2962 | 2965 | 2967 | rBV4 | 2790   | 3109    | 0.21%  | 0.029% |
| 66 | 20.335 | 2976 | 2978 | 2979 | rVB2 | 3372   | 1804    | 0.12%  | 0.017% |
| 67 | 20.358 | 2979 | 2982 | 2984 | rBV3 | 2708   | 2636    | 0.18%  | 0.025% |
| 68 | 20.546 | 3011 | 3014 | 3015 | rBV3 | 2344   | 1892    | 0.13%  | 0.018% |
| 69 | 20.564 | 3015 | 3017 | 3020 | rBV4 | 2838   | 3219    | 0.22%  | 0.030% |
| 70 | 20.605 | 3022 | 3024 | 3027 | rVB4 | 2710   | 2286    | 0.16%  | 0.021% |
| 71 | 20.634 | 3027 | 3029 | 3030 | rBV2 | 3268   | 2368    | 0.16%  | 0.022% |

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Method : Z:\HPCHEM1\BNA\_G\METHODS\SOM02.2-EPA-BG091015.M  
 Title : SVOA CALIBRATION

|     |        |      |      |      |       |        |         |         |         |
|-----|--------|------|------|------|-------|--------|---------|---------|---------|
| 72  | 20.687 | 3034 | 3038 | 3041 | rBV2  | 30485  | 33359   | 2.29%   | 0.312%  |
| 73  | 20.793 | 3052 | 3056 | 3058 | rVB5  | 4691   | 5819    | 0.40%   | 0.054%  |
| 74  | 20.922 | 3076 | 3078 | 3080 | rBV3  | 2969   | 1749    | 0.12%   | 0.016%  |
| 75  | 20.940 | 3080 | 3081 | 3083 | rBV2  | 3633   | 3394    | 0.23%   | 0.032%  |
| 76  | 21.175 | 3119 | 3121 | 3122 | rBV2  | 4247   | 4348    | 0.30%   | 0.041%  |
| 77  | 21.204 | 3124 | 3126 | 3128 | rVV3  | 4959   | 4695    | 0.32%   | 0.044%  |
| 78  | 21.245 | 3131 | 3133 | 3139 | rVV7  | 5205   | 9146    | 0.63%   | 0.086%  |
| 79  | 21.310 | 3142 | 3144 | 3147 | rBV4  | 3057   | 3827    | 0.26%   | 0.036%  |
| 80  | 21.615 | 3188 | 3196 | 3204 | rBV   | 883792 | 1436039 | 98.70%  | 13.449% |
| 81  | 21.780 | 3222 | 3224 | 3227 | rBV4  | 5307   | 6822    | 0.47%   | 0.064%  |
| 82  | 22.238 | 3300 | 3302 | 3303 | rBV2  | 3610   | 2252    | 0.15%   | 0.021%  |
| 83  | 22.385 | 3324 | 3327 | 3331 | rVB6  | 9909   | 15520   | 1.07%   | 0.145%  |
| 84  | 22.420 | 3331 | 3333 | 3334 | rBV2  | 5413   | 4919    | 0.34%   | 0.046%  |
| 85  | 23.061 | 3439 | 3442 | 3454 | rVB10 | 14474  | 29162   | 2.00%   | 0.273%  |
| 86  | 23.854 | 3574 | 3577 | 3583 | rVB7  | 13674  | 20554   | 1.41%   | 0.192%  |
| 87  | 24.565 | 3690 | 3698 | 3710 | rVB2  | 77970  | 209379  | 14.39%  | 1.961%  |
| 88  | 24.794 | 3725 | 3737 | 3750 | rBV2  | 520893 | 1454888 | 100.00% | 13.625% |
| 89  | 26.063 | 3951 | 3953 | 3956 | rVB4  | 5570   | 4264    | 0.29%   | 0.040%  |
| 90  | 26.557 | 4035 | 4037 | 4038 | rBV   | 4451   | 2528    | 0.17%   | 0.024%  |
| 91  | 26.639 | 4049 | 4051 | 4052 | rBV2  | 5080   | 3426    | 0.24%   | 0.032%  |
| 92  | 27.191 | 4142 | 4145 | 4146 | rBV3  | 7852   | 6785    | 0.47%   | 0.064%  |
| 93  | 27.461 | 4189 | 4191 | 4194 | rBV4  | 4250   | 6833    | 0.47%   | 0.064%  |
| 94  | 27.749 | 4238 | 4240 | 4241 | rBV2  | 4451   | 3810    | 0.26%   | 0.036%  |
| 95  | 28.190 | 4313 | 4315 | 4318 | rBV4  | 5020   | 5532    | 0.38%   | 0.052%  |
| 96  | 30.246 | 4663 | 4665 | 4668 | rBV4  | 5023   | 5082    | 0.35%   | 0.048%  |
| 97  | 30.640 | 4731 | 4732 | 4736 | rBV4  | 5557   | 7318    | 0.50%   | 0.069%  |
| 98  | 31.328 | 4847 | 4849 | 4853 | rBV5  | 3767   | 5812    | 0.40%   | 0.054%  |
| 99  | 31.874 | 4940 | 4942 | 4944 | rBV3  | 4197   | 3509    | 0.24%   | 0.033%  |
| 100 | 32.379 | 5026 | 5028 | 5029 | rBV2  | 4262   | 2253    | 0.15%   | 0.021%  |

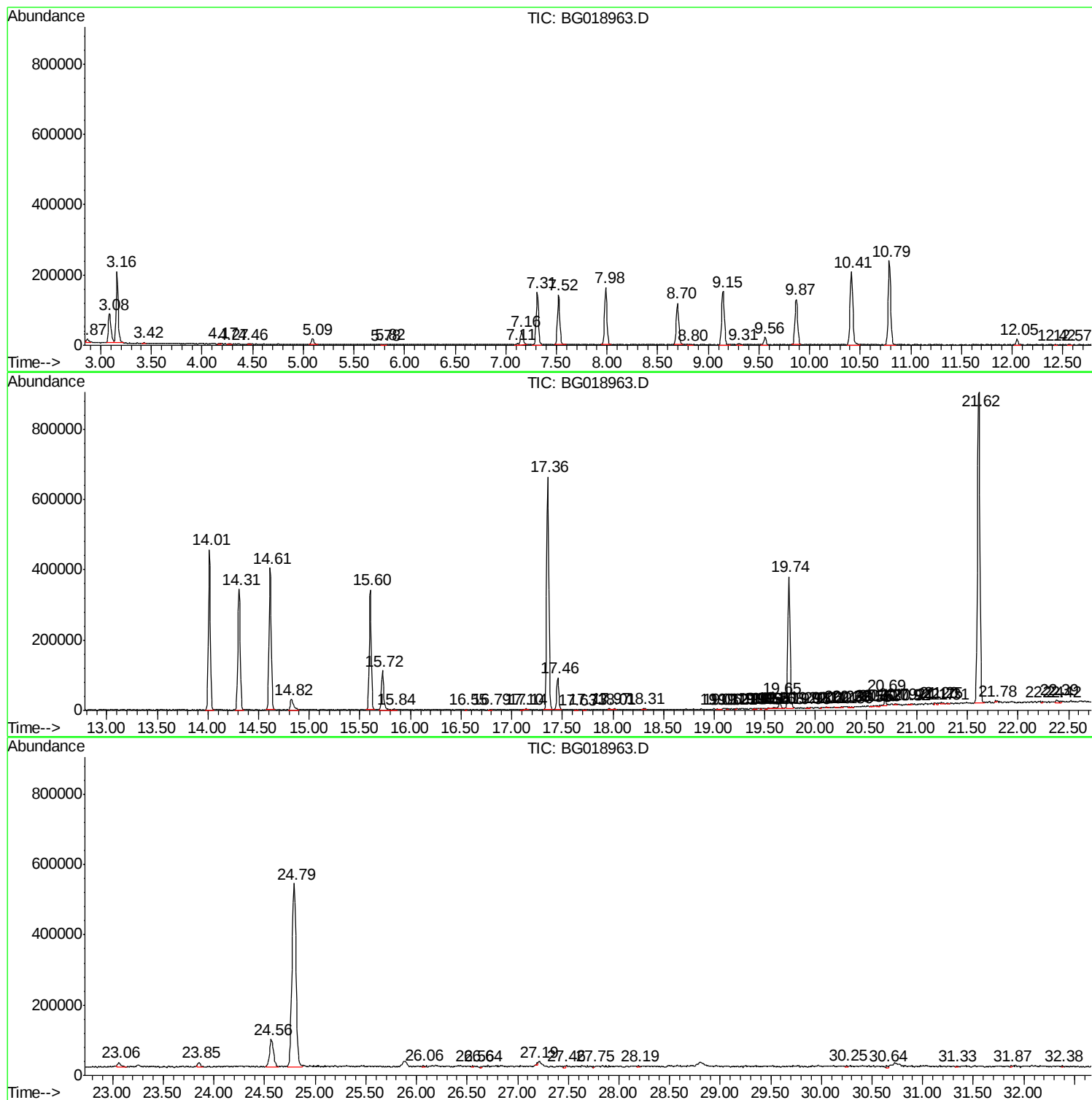
Sum of corrected areas: 10677689

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Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG091015.M  
Quant Title : SVOA CALIBRATION

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



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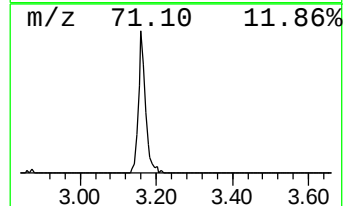
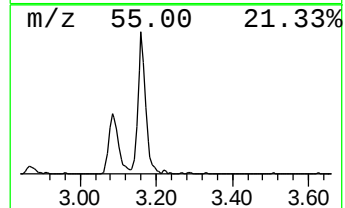
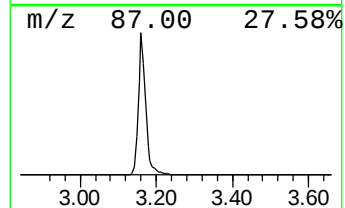
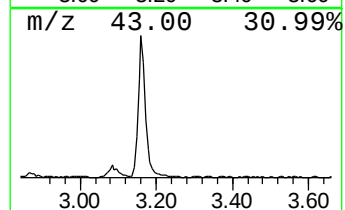
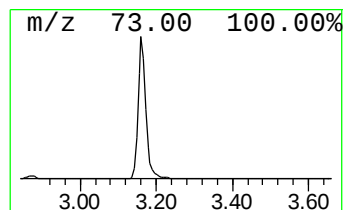
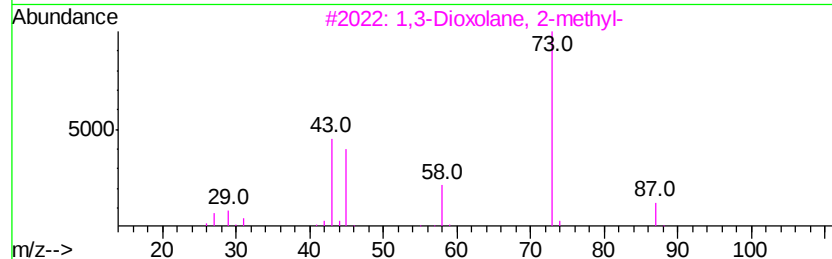
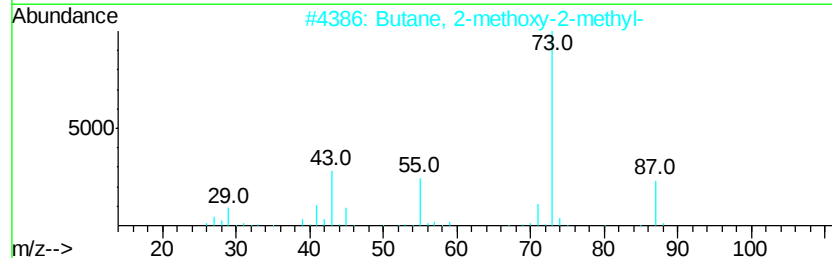
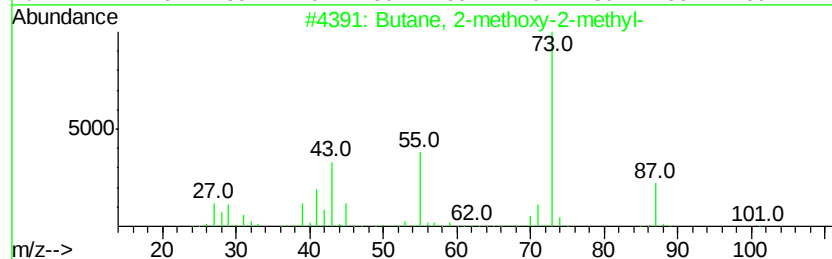
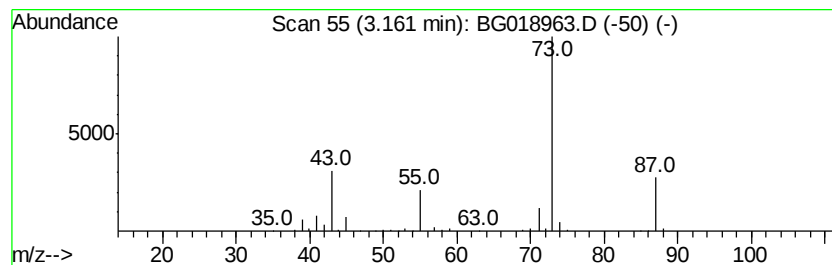
Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG091015.M  
Quant Title : SVOA CALIBRATION

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. |
|------|-------------|--------|------------------------|------|
| 3.16 | 19.79 ng/ul | 275653 | 1,4-Dichlorobenzene-d4 | 7.98 |

| Hit# | of | Tentative ID                | MW  | MolForm | CAS#        | Qual |
|------|----|-----------------------------|-----|---------|-------------|------|
| 1    | 5  | Butane, 2-methoxy-2-methyl- | 102 | C6H14O  | 000994-05-8 | 64   |
| 2    |    | Butane, 2-methoxy-2-methyl- | 102 | C6H14O  | 000994-05-8 | 59   |
| 3    |    | 1,3-Dioxolane, 2-methyl-    | 88  | C4H8O2  | 000497-26-7 | 23   |
| 4    |    | Pentane, 3-methoxy-         | 102 | C6H14O  | 036839-67-5 | 23   |
| 5    |    | Acetamide, N-ethyl-         | 87  | C4H9NO  | 000625-50-3 | 9    |



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| TIC Top Hit name     | RT   | EstConc | Units | Response | --Internal Standard-- |      |        |      |
|----------------------|------|---------|-------|----------|-----------------------|------|--------|------|
|                      |      |         |       |          | #                     | RT   | Resp   | Conc |
| Butane, 2-methoxy... | 3.16 | 19.8    | ng/ul | 275653   | 1                     | 7.98 | 278600 | 20.0 |