

Data Path : Z:\HPCHEM1\BNA\_G\DATA\BG072415\  
 Data File : BG018098.D  
 Acq On : 24 Jul 2015 20:21  
 Operator : TP/UM  
 Sample : G2936-05  
 Misc :  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 C01T7

## 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-BG072315.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         | 2.755       | 6             | 11          | 22           | rBV      | 486396         | 594166        | 25.87%          | 2.853%        |
| 2         | 4.818       | 358           | 362         | 366          | rVB2     | 14182          | 21173         | 0.92%           | 0.102%        |
| 3         | 6.692       | 676           | 681         | 688          | rVB      | 71726          | 108364        | 4.72%           | 0.520%        |
| 4         | 6.851       | 703           | 708         | 717          | rVB      | 217136         | 337215        | 14.69%          | 1.619%        |
| 5         | 7.045       | 735           | 741         | 749          | rVB      | 254000         | 389097        | 16.94%          | 1.868%        |
| 6         | 7.509       | 814           | 820         | 826          | rVB      | 257968         | 386899        | 16.85%          | 1.858%        |
| 7         | 8.225       | 936           | 942         | 951          | rVB      | 218956         | 334777        | 14.58%          | 1.607%        |
| 8         | 8.666       | 1010          | 1017        | 1024         | rVB      | 278203         | 459729        | 20.02%          | 2.207%        |
| 9         | 9.383       | 1132          | 1139        | 1148         | rVB      | 261367         | 419754        | 18.28%          | 2.015%        |
| 10        | 9.918       | 1224          | 1230        | 1242         | rBV      | 385270         | 620945        | 27.04%          | 2.981%        |
| 11        | 10.294      | 1287          | 1294        | 1302         | rVB      | 379478         | 627379        | 27.32%          | 3.012%        |
| 12        | 11.110      | 1428          | 1433        | 1437         | rBV2     | 5649           | 8428          | 0.37%           | 0.040%        |
| 13        | 12.526      | 1669          | 1674        | 1679         | rBV3     | 4881           | 6539          | 0.28%           | 0.031%        |
| 14        | 12.785      | 1714          | 1718        | 1721         | rBV3     | 6155           | 8255          | 0.36%           | 0.040%        |
| 15        | 13.602      | 1850          | 1857        | 1867         | rVB      | 788653         | 1092175       | 47.56%          | 5.244%        |
| 16        | 13.872      | 1895          | 1903        | 1910         | rBV      | 880724         | 1331282       | 57.97%          | 6.392%        |
| 17        | 14.183      | 1949          | 1956        | 1964         | rVB2     | 613418         | 941341        | 40.99%          | 4.520%        |
| 18        | 14.401      | 1988          | 1993        | 2003         | rBV      | 81141          | 121546        | 5.29%           | 0.584%        |
| 19        | 15.182      | 2119          | 2126        | 2133         | rBV      | 1222009        | 1720820       | 74.94%          | 8.262%        |
| 20        | 15.311      | 2142          | 2148        | 2156         | rBV      | 383792         | 521131        | 22.69%          | 2.502%        |
| 21        | 15.417      | 2163          | 2166        | 2171         | rBV5     | 5427           | 7151          | 0.31%           | 0.034%        |
| 22        | 16.721      | 2383          | 2388        | 2392         | rBV2     | 4244           | 5651          | 0.25%           | 0.027%        |
| 23        | 16.815      | 2400          | 2404        | 2408         | rBV4     | 4111           | 5773          | 0.25%           | 0.028%        |
| 24        | 16.939      | 2417          | 2425        | 2435         | rBV      | 885193         | 1182931       | 51.51%          | 5.680%        |
| 25        | 17.039      | 2435          | 2442        | 2453         | rVV      | 1335548        | 1859012       | 80.96%          | 8.926%        |
| 26        | 17.144      | 2457          | 2460        | 2464         | rVB4     | 2894           | 3292          | 0.14%           | 0.016%        |
| 27        | 17.233      | 2473          | 2475        | 2481         | rVB5     | 1889           | 3275          | 0.14%           | 0.016%        |
| 28        | 17.397      | 2500          | 2503        | 2506         | rVB4     | 2188           | 2685          | 0.12%           | 0.013%        |
| 29        | 17.620      | 2537          | 2541        | 2544         | rVB3     | 1960           | 2485          | 0.11%           | 0.012%        |
| 30        | 17.767      | 2561          | 2566        | 2570         | rBV3     | 2404           | 4031          | 0.18%           | 0.019%        |
| 31        | 17.855      | 2578          | 2581        | 2589         | rBV7     | 9816           | 16570         | 0.72%           | 0.080%        |
| 32        | 17.926      | 2589          | 2593        | 2596         | rVV2     | 4727           | 7238          | 0.32%           | 0.035%        |
| 33        | 18.167      | 2629          | 2634        | 2638         | rBV7     | 1871           | 4235          | 0.18%           | 0.020%        |
| 34        | 18.208      | 2638          | 2641        | 2646         | rVB4     | 1512           | 2363          | 0.10%           | 0.011%        |

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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-BG072315.M  
Title : SVOA CALIBRATION

|    |        |      |      |      |      |         |         |         |         |
|----|--------|------|------|------|------|---------|---------|---------|---------|
| 35 | 18.325 | 2658 | 2661 | 2663 | rBV4 | 2531    | 2311    | 0.10%   | 0.011%  |
| 36 | 18.795 | 2738 | 2741 | 2744 | rBV3 | 1786    | 2452    | 0.11%   | 0.012%  |
| 37 | 18.842 | 2746 | 2749 | 2755 | rBV7 | 1921    | 3489    | 0.15%   | 0.017%  |
| 38 | 19.154 | 2799 | 2802 | 2804 | rBV2 | 2951    | 3612    | 0.16%   | 0.017%  |
| 39 | 19.230 | 2812 | 2815 | 2820 | rVB2 | 13317   | 17300   | 0.75%   | 0.083%  |
| 40 | 19.301 | 2820 | 2827 | 2830 | rBV  | 70863   | 86354   | 3.76%   | 0.415%  |
| 41 | 19.348 | 2830 | 2835 | 2845 | rVV  | 1710729 | 2296313 | 100.00% | 11.026% |
| 42 | 19.412 | 2845 | 2846 | 2852 | rVB5 | 8786    | 10402   | 0.45%   | 0.050%  |
| 43 | 19.636 | 2881 | 2884 | 2888 | rBV4 | 2428    | 2794    | 0.12%   | 0.013%  |
| 44 | 19.918 | 2929 | 2932 | 2935 | rBV5 | 4817    | 6929    | 0.30%   | 0.033%  |
| 45 | 20.352 | 3001 | 3006 | 3010 | rBV  | 58760   | 65430   | 2.85%   | 0.314%  |
| 46 | 20.417 | 3014 | 3017 | 3020 | rVV4 | 8674    | 9413    | 0.41%   | 0.045%  |
| 47 | 20.446 | 3020 | 3022 | 3026 | rVB4 | 4253    | 5237    | 0.23%   | 0.025%  |
| 48 | 20.511 | 3030 | 3033 | 3035 | rVB3 | 3525    | 4295    | 0.19%   | 0.021%  |
| 49 | 20.875 | 3090 | 3095 | 3098 | rBV5 | 12117   | 16865   | 0.73%   | 0.081%  |
| 50 | 20.940 | 3103 | 3106 | 3112 | rVB4 | 17252   | 23442   | 1.02%   | 0.113%  |
| 51 | 21.081 | 3126 | 3130 | 3135 | rBV6 | 11253   | 18028   | 0.79%   | 0.087%  |
| 52 | 21.146 | 3135 | 3141 | 3148 | rBV  | 1115387 | 1426695 | 62.13%  | 6.850%  |
| 53 | 21.316 | 3167 | 3170 | 3173 | rBV5 | 11884   | 13351   | 0.58%   | 0.064%  |
| 54 | 23.196 | 3482 | 3490 | 3505 | rBV2 | 1227405 | 2253382 | 98.13%  | 10.819% |
| 55 | 23.337 | 3506 | 3514 | 3521 | rBV  | 777187  | 1401355 | 61.03%  | 6.728%  |

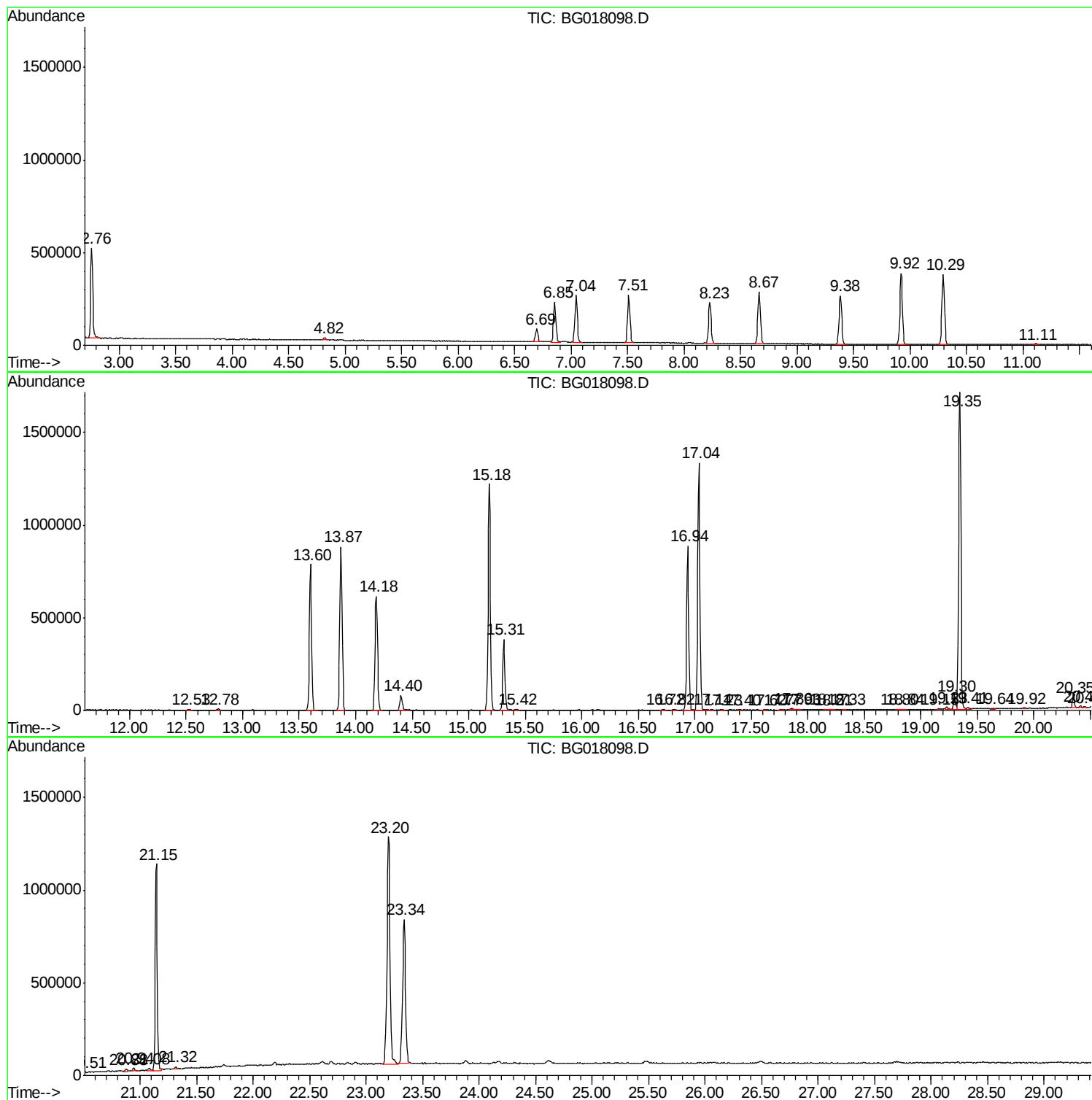
Sum of corrected areas: 20827156

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Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\SOM02.2-EPA-BG072315.M  
Quant Title : SVOA CALIBRATION

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



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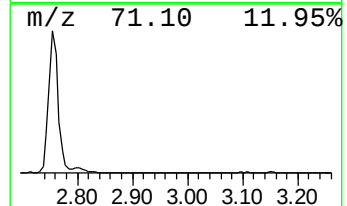
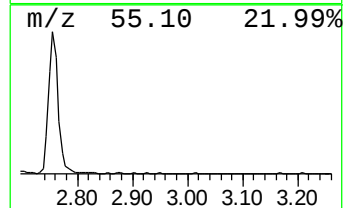
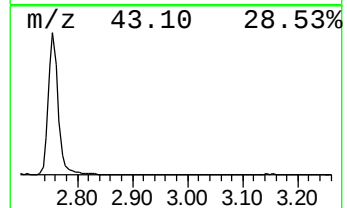
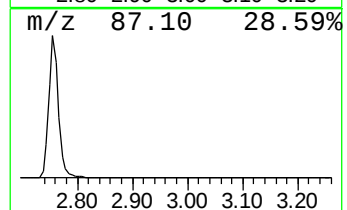
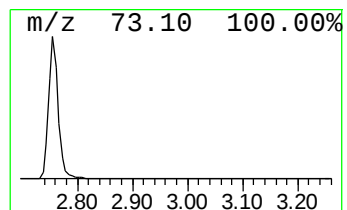
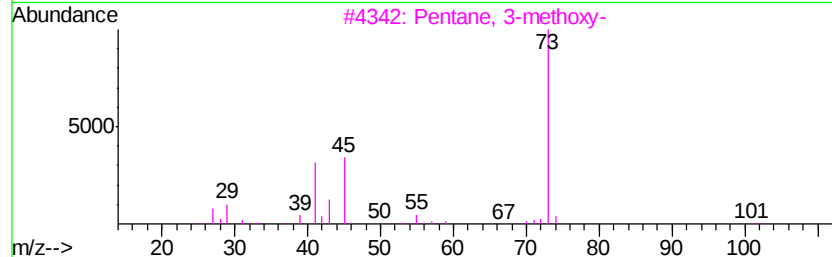
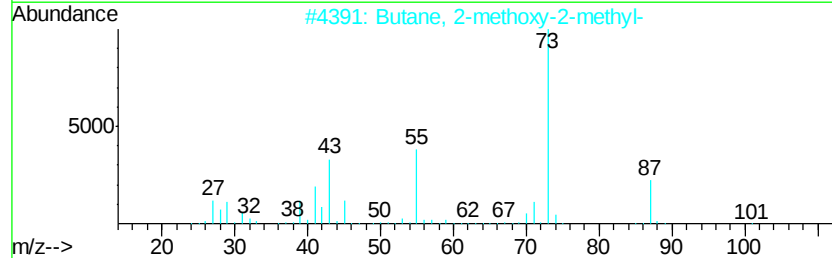
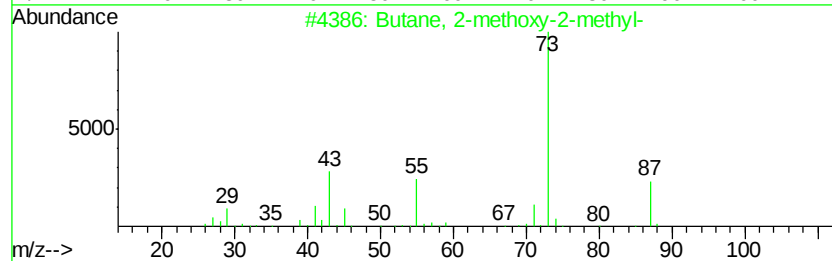
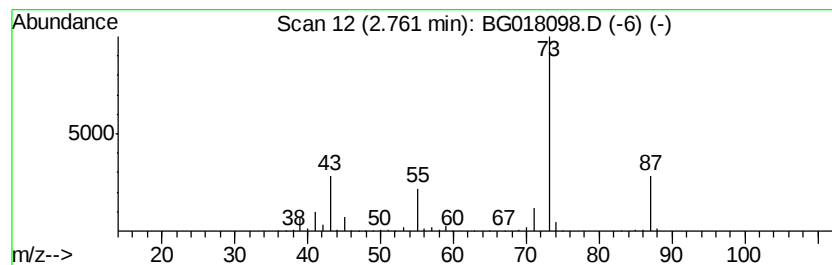
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TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

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

| R.T. | EstConc     | Area   | Relative to ISTD       | R.T. |
|------|-------------|--------|------------------------|------|
| 2.76 | 30.71 ng/ul | 594166 | 1,4-Dichlorobenzene-d4 | 7.51 |

| Hit# | of | 5 | Tentative ID                | MW  | MolForm | CAS#        | Qual |
|------|----|---|-----------------------------|-----|---------|-------------|------|
| 1    |    |   | Butane, 2-methoxy-2-methyl- | 102 | C6H14O  | 000994-05-8 | 86   |
| 2    |    |   | Butane, 2-methoxy-2-methyl- | 102 | C6H14O  | 000994-05-8 | 83   |
| 3    |    |   | Pentane, 3-methoxy-         | 102 | C6H14O  | 036839-67-5 | 23   |
| 4    |    |   | Acetamide, N-ethyl-         | 87  | C4H9NO  | 000625-50-3 | 9    |
| 5    |    |   | N-Ethylformamide            | 73  | C3H7NO  | 000627-45-2 | 9    |



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| TIC Top Hit name     | RT   | EstConc | Units | Response | --Internal Standard-- |      |        |      |
|----------------------|------|---------|-------|----------|-----------------------|------|--------|------|
|                      |      |         |       |          | #                     | RT   | Resp   | Conc |
| Butane, 2-methoxy... | 2.76 | 30.7    | ng/ul | 594166   | 1                     | 7.51 | 386899 | 20.0 |