

Data Path : Z:\HPCHEM1\BNA\_G\DATA\BG081915\  
 Data File : BG018468.D  
 Acq On : 19 Aug 2015 11:16  
 Operator : UM/MA  
 Sample : G3302-01  
 Misc :  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 C0538

## 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-BG080915.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         | 2.890       | 6             | 9           | 13           | rVB      | 38295          | 46452         | 1.16%           | 0.124%        |
| 2         | 3.108       | 42            | 46          | 54           | rBV      | 142772         | 245400        | 6.11%           | 0.656%        |
| 3         | 3.184       | 54            | 59          | 78           | rVB      | 1838439        | 2542006       | 63.34%          | 6.797%        |
| 4         | 3.454       | 101           | 105         | 107          | rBV4     | 8691           | 11913         | 0.30%           | 0.032%        |
| 5         | 4.189       | 227           | 230         | 233          | rBV5     | 5880           | 7079          | 0.18%           | 0.019%        |
| 6         | 4.735       | 317           | 323         | 327          | rBV6     | 10836          | 18392         | 0.46%           | 0.049%        |
| 7         | 6.210       | 570           | 574         | 576          | rBV5     | 4566           | 5662          | 0.14%           | 0.015%        |
| 8         | 7.009       | 706           | 710         | 714          | rVB6     | 8137           | 11637         | 0.29%           | 0.031%        |
| 9         | 7.168       | 731           | 737         | 746          | rBV      | 99298          | 176368        | 4.39%           | 0.472%        |
| 10        | 7.338       | 758           | 766         | 775          | rBV      | 387015         | 637703        | 15.89%          | 1.705%        |
| 11        | 7.544       | 794           | 801         | 812          | rBV      | 377919         | 631974        | 15.75%          | 1.690%        |
| 12        | 8.014       | 873           | 881         | 890          | rBV      | 364376         | 617122        | 15.38%          | 1.650%        |
| 13        | 8.231       | 915           | 918         | 919          | rBV3     | 6355           | 5264          | 0.13%           | 0.014%        |
| 14        | 8.249       | 919           | 921         | 928          | rVB7     | 7155           | 10422         | 0.26%           | 0.028%        |
| 15        | 8.560       | 971           | 974         | 978          | rVB4     | 5858           | 7861          | 0.20%           | 0.021%        |
| 16        | 8.713       | 990           | 1000        | 1012         | rBV2     | 304398         | 545393        | 13.59%          | 1.458%        |
| 17        | 9.054       | 1054          | 1058        | 1061         | rBV5     | 5038           | 7349          | 0.18%           | 0.020%        |
| 18        | 9.171       | 1070          | 1078        | 1086         | rBV      | 458229         | 799509        | 19.92%          | 2.138%        |
| 19        | 9.894       | 1195          | 1201        | 1210         | rBV      | 336624         | 627723        | 15.64%          | 1.678%        |
| 20        | 10.164      | 1245          | 1247        | 1251         | rBV4     | 3904           | 6144          | 0.15%           | 0.016%        |
| 21        | 10.434      | 1285          | 1293        | 1302         | rBV      | 577203         | 1006400       | 25.08%          | 2.691%        |
| 22        | 10.499      | 1302          | 1304        | 1310         | rVB6     | 5361           | 8648          | 0.22%           | 0.023%        |
| 23        | 10.634      | 1325          | 1327        | 1334         | rVB6     | 3054           | 5264          | 0.13%           | 0.014%        |
| 24        | 10.822      | 1350          | 1359        | 1366         | rBV      | 554267         | 987384        | 24.60%          | 2.640%        |
| 25        | 10.951      | 1376          | 1381        | 1388         | rBV6     | 16010          | 27953         | 0.70%           | 0.075%        |
| 26        | 11.198      | 1422          | 1423        | 1427         | rBV4     | 4316           | 5996          | 0.15%           | 0.016%        |
| 27        | 11.868      | 1532          | 1537        | 1539         | rBV4     | 3735           | 5477          | 0.14%           | 0.015%        |
| 28        | 12.097      | 1573          | 1576        | 1582         | rVB      | 13248          | 17459         | 0.44%           | 0.047%        |
| 29        | 12.632      | 1665          | 1667        | 1672         | rVB4     | 4892           | 6335          | 0.16%           | 0.017%        |
| 30        | 14.042      | 1901          | 1907        | 1916         | rBV      | 1248883        | 1792231       | 44.66%          | 4.792%        |
| 31        | 14.271      | 1945          | 1946        | 1950         | rBV3     | 4247           | 5301          | 0.13%           | 0.014%        |
| 32        | 14.336      | 1950          | 1957        | 1964         | rVV      | 1401428        | 2228364       | 55.52%          | 5.958%        |
| 33        | 14.641      | 2001          | 2009        | 2017         | rBV2     | 985024         | 1617898       | 40.31%          | 4.326%        |
| 34        | 14.823      | 2035          | 2040        | 2047         | rBV2     | 125879         | 209330        | 5.22%           | 0.560%        |

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Method : Z:\HPCHEM1\BNA\_G\METHODS\SOM02.2-EPA-BG080915.M  
 Title : SVOA CALIBRATION

|    |        |      |      |      |      |         |         |         |         |
|----|--------|------|------|------|------|---------|---------|---------|---------|
| 35 | 15.370 | 2128 | 2133 | 2136 | rBV7 | 5529    | 9404    | 0.23%   | 0.025%  |
| 36 | 15.452 | 2143 | 2147 | 2152 | rVB7 | 5593    | 8047    | 0.20%   | 0.022%  |
| 37 | 15.634 | 2171 | 2178 | 2185 | rBV  | 1900071 | 2889571 | 72.00%  | 7.726%  |
| 38 | 15.740 | 2190 | 2196 | 2203 | rBV  | 513943  | 756913  | 18.86%  | 2.024%  |
| 39 | 15.875 | 2213 | 2219 | 2222 | rBV4 | 13262   | 22091   | 0.55%   | 0.059%  |
| 40 | 16.322 | 2292 | 2295 | 2296 | rBV2 | 7240    | 7252    | 0.18%   | 0.019%  |
| 41 | 16.580 | 2337 | 2339 | 2344 | rVB5 | 6664    | 7989    | 0.20%   | 0.021%  |
| 42 | 16.868 | 2383 | 2388 | 2395 | rVB3 | 38089   | 51740   | 1.29%   | 0.138%  |
| 43 | 17.138 | 2430 | 2434 | 2435 | rBV4 | 4922    | 6081    | 0.15%   | 0.016%  |
| 44 | 17.174 | 2436 | 2440 | 2445 | rVB3 | 9854    | 16513   | 0.41%   | 0.044%  |
| 45 | 17.385 | 2468 | 2476 | 2483 | rBV  | 1477964 | 2195802 | 54.71%  | 5.871%  |
| 46 | 17.485 | 2486 | 2493 | 2500 | rVV2 | 2193583 | 3375374 | 84.10%  | 9.025%  |
| 47 | 17.667 | 2519 | 2524 | 2526 | rBV6 | 6001    | 9969    | 0.25%   | 0.027%  |
| 48 | 18.272 | 2622 | 2627 | 2633 | rBV  | 56655   | 84676   | 2.11%   | 0.226%  |
| 49 | 18.490 | 2659 | 2664 | 2666 | rBV4 | 5338    | 7342    | 0.18%   | 0.020%  |
| 50 | 18.566 | 2675 | 2677 | 2682 | rVB6 | 5069    | 7573    | 0.19%   | 0.020%  |
| 51 | 18.848 | 2724 | 2725 | 2728 | rBV3 | 5623    | 5535    | 0.14%   | 0.015%  |
| 52 | 18.907 | 2732 | 2735 | 2736 | rVV3 | 7501    | 6780    | 0.17%   | 0.018%  |
| 53 | 18.948 | 2740 | 2742 | 2744 | rBV3 | 5373    | 6163    | 0.15%   | 0.016%  |
| 54 | 19.330 | 2805 | 2807 | 2809 | rBV3 | 5600    | 5890    | 0.15%   | 0.016%  |
| 55 | 19.541 | 2840 | 2843 | 2849 | rBV6 | 38109   | 59253   | 1.48%   | 0.158%  |
| 56 | 19.653 | 2858 | 2862 | 2867 | rBV2 | 25209   | 39311   | 0.98%   | 0.105%  |
| 57 | 19.765 | 2875 | 2881 | 2892 | rBV2 | 2735966 | 4013459 | 100.00% | 10.731% |
| 58 | 21.539 | 3179 | 3183 | 3189 | rVB  | 74298   | 106729  | 2.66%   | 0.285%  |
| 59 | 21.645 | 3194 | 3201 | 3209 | rBV  | 1633033 | 2542861 | 63.36%  | 6.799%  |
| 60 | 24.624 | 3698 | 3708 | 3719 | rVB  | 1397345 | 3740099 | 93.19%  | 10.000% |
| 61 | 24.847 | 3736 | 3746 | 3765 | rVB2 | 870468  | 2531473 | 63.07%  | 6.769%  |

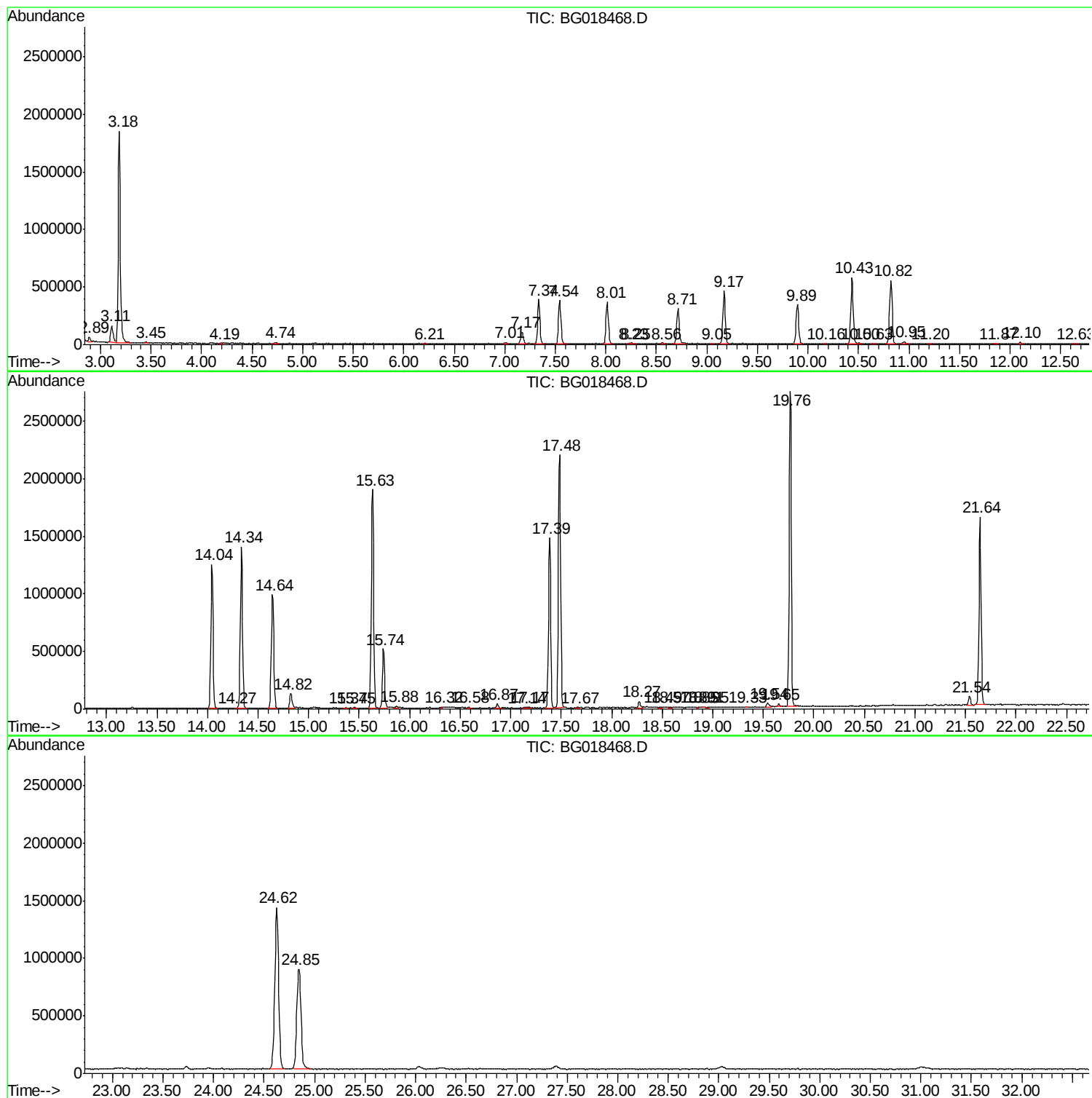
Sum of corrected areas: 37399303

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Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\SOM02.2-EPA-BG080915.M  
Quant Title : SVOA CALIBRATION

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



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Quant Title : SVOA CALIBRATION

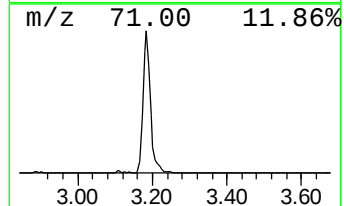
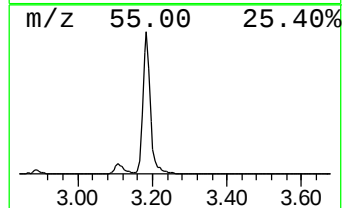
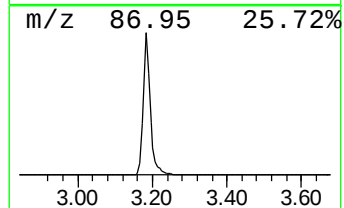
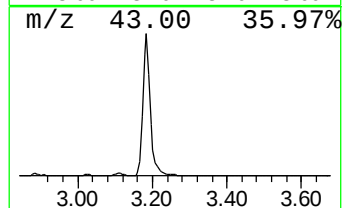
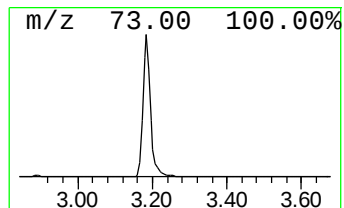
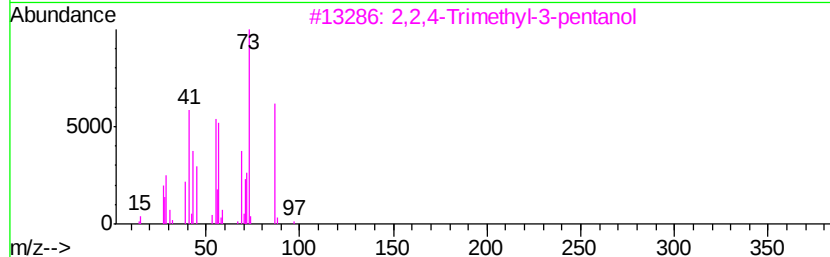
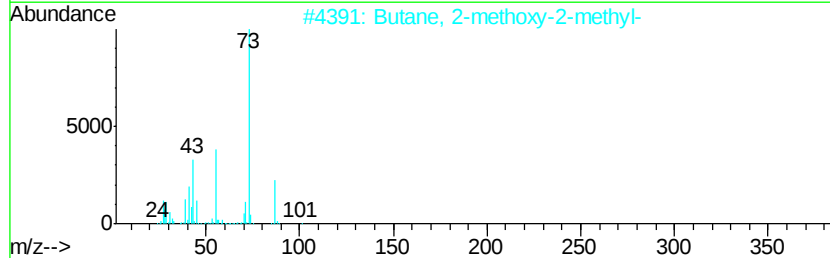
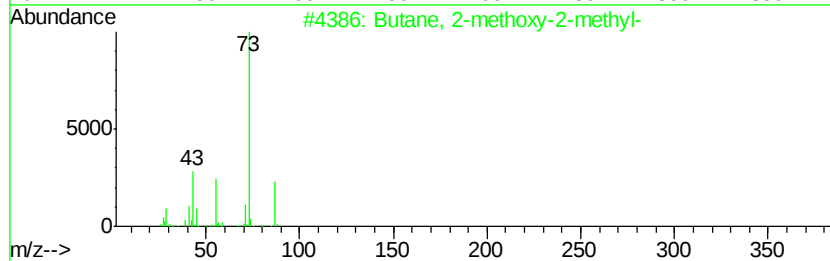
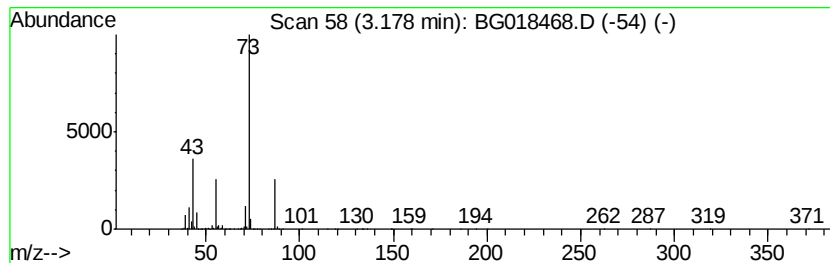
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

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

| R.T. | EstConc     | Area    | Relative to ISTD       | R.T. |
|------|-------------|---------|------------------------|------|
| 3.18 | 82.38 ng/ul | 2542010 | 1,4-Dichlorobenzene-d4 | 8.01 |

| Hit# | of | Tentative ID                | MW  | MolForm | CAS#        | Qual |
|------|----|-----------------------------|-----|---------|-------------|------|
| 1    | 5  | Butane, 2-methoxy-2-methyl- | 102 | C6H14O  | 000994-05-8 | 78   |
| 2    |    | Butane, 2-methoxy-2-methyl- | 102 | C6H14O  | 000994-05-8 | 74   |
| 3    |    | 2,2,4-Trimethyl-3-pentanol  | 130 | C8H18O  | 005162-48-1 | 40   |
| 4    |    | Pentane, 3-methoxy-         | 102 | C6H14O  | 036839-67-5 | 17   |
| 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... | 3.18 | 82.4    | ng/ul | 2542010  | 1                     | 8.01 | 617122 | 20.0 |