

Data Path : Z:\HPCHEM1\BNA G\DATA\BG110215\  
 Data File : BG019441.D  
 Acq On : 2 Nov 2015 20:27  
 Operator : UM/NP  
 Sample : G4202-04  
 Misc :  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 BCY54

## 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-BG102815.M  
 Title : SVOA CALIBRATION

Signal : TIC

| peak # | R.T. min | first scan | max scan | last scan | PK TY | peak height | corr. area | corr. % max. | % of total |
|--------|----------|------------|----------|-----------|-------|-------------|------------|--------------|------------|
| 1      | 3.135    | 46         | 50       | 59        | rBV   | 52973       | 91090      | 6.27%        | 0.782%     |
| 2      | 3.217    | 59         | 64       | 74        | rVB   | 209789      | 293639     | 20.20%       | 2.520%     |
| 3      | 3.493    | 106        | 111      | 112       | rBV2  | 2453        | 3441       | 0.24%        | 0.030%     |
| 4      | 5.896    | 516        | 520      | 523       | rVB2  | 1338        | 2002       | 0.14%        | 0.017%     |
| 5      | 7.335    | 757        | 765      | 772       | rBV   | 31407       | 53249      | 3.66%        | 0.457%     |
| 6      | 7.500    | 786        | 793      | 801       | rBV   | 101910      | 169352     | 11.65%       | 1.453%     |
| 7      | 7.606    | 804        | 811      | 814       | rVB   | 1214        | 2568       | 0.18%        | 0.022%     |
| 8      | 7.717    | 823        | 830      | 837       | rVB   | 110587      | 187212     | 12.88%       | 1.607%     |
| 9      | 8.187    | 903        | 910      | 917       | rBV   | 113211      | 191154     | 13.15%       | 1.640%     |
| 10     | 8.892    | 1022       | 1030     | 1039      | rBV   | 90163       | 159105     | 10.95%       | 1.365%     |
| 11     | 9.363    | 1101       | 1110     | 1117      | rBV   | 139390      | 253169     | 17.42%       | 2.173%     |
| 12     | 9.556    | 1137       | 1143     | 1144      | rBV2  | 3404        | 3121       | 0.21%        | 0.027%     |
| 13     | 9.750    | 1172       | 1176     | 1181      | rVB   | 2535        | 3921       | 0.27%        | 0.034%     |
| 14     | 10.091   | 1226       | 1234     | 1244      | rVB   | 136473      | 246888     | 16.99%       | 2.119%     |
| 15     | 10.632   | 1317       | 1326     | 1335      | rBV   | 172886      | 310059     | 21.33%       | 2.661%     |
| 16     | 11.019   | 1383       | 1392     | 1399      | rBV   | 155487      | 268246     | 18.46%       | 2.302%     |
| 17     | 11.143   | 1411       | 1413     | 1419      | rBV2  | 3043        | 4743       | 0.33%        | 0.041%     |
| 18     | 12.247   | 1596       | 1601     | 1605      | rBV3  | 5683        | 7583       | 0.52%        | 0.065%     |
| 19     | 12.570   | 1651       | 1656     | 1657      | rBV2  | 2142        | 2973       | 0.20%        | 0.026%     |
| 20     | 12.594   | 1659       | 1660     | 1665      | rVB2  | 2920        | 2199       | 0.15%        | 0.019%     |
| 21     | 13.428   | 1800       | 1802     | 1805      | rVB   | 2455        | 2435       | 0.17%        | 0.021%     |
| 22     | 14.216   | 1929       | 1936     | 1943      | rVB   | 457177      | 639635     | 44.01%       | 5.489%     |
| 23     | 14.515   | 1980       | 1987     | 1995      | rVB   | 364632      | 577887     | 39.76%       | 4.959%     |
| 24     | 14.821   | 2031       | 2039     | 2045      | rBV2  | 270340      | 423466     | 29.14%       | 3.634%     |
| 25     | 14.880   | 2045       | 2049     | 2055      | rVB3  | 33724       | 51181      | 3.52%        | 0.439%     |
| 26     | 15.003   | 2065       | 2070     | 2078      | rBV   | 54409       | 87304      | 6.01%        | 0.749%     |
| 27     | 15.068   | 2080       | 2081     | 2085      | rVB2  | 2941        | 2325       | 0.16%        | 0.020%     |
| 28     | 15.097   | 2085       | 2086     | 2089      | rBV2  | 1873        | 2096       | 0.14%        | 0.018%     |
| 29     | 15.120   | 2089       | 2090     | 2098      | rVB2  | 1568        | 2662       | 0.18%        | 0.023%     |
| 30     | 15.749   | 2194       | 2197     | 2198      | rBV   | 1728        | 2052       | 0.14%        | 0.018%     |
| 31     | 15.808   | 2200       | 2207     | 2214      | rVB   | 565871      | 840163     | 57.81%       | 7.210%     |
| 32     | 15.914   | 2219       | 2225     | 2233      | rBV   | 168391      | 264622     | 18.21%       | 2.271%     |
| 33     | 16.043   | 2244       | 2247     | 2252      | rVB2  | 6822        | 7015       | 0.48%        | 0.060%     |
| 34     | 16.536   | 2330       | 2331     | 2335      | rVB3  | 3982        | 3503       | 0.24%        | 0.030%     |

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 Title : SVOA CALIBRATION

|    |        |      |      |      |      |         |         |         |         |
|----|--------|------|------|------|------|---------|---------|---------|---------|
| 35 | 16.578 | 2335 | 2338 | 2341 | rBV3 | 1491    | 2103    | 0.14%   | 0.018%  |
| 36 | 16.742 | 2365 | 2366 | 2370 | rBV2 | 2288    | 2441    | 0.17%   | 0.021%  |
| 37 | 17.006 | 2406 | 2411 | 2415 | rBV2 | 1623    | 2500    | 0.17%   | 0.021%  |
| 38 | 17.089 | 2424 | 2425 | 2430 | rVB2 | 2227    | 1991    | 0.14%   | 0.017%  |
| 39 | 17.347 | 2466 | 2469 | 2472 | rBV3 | 2828    | 3024    | 0.21%   | 0.026%  |
| 40 | 17.500 | 2491 | 2495 | 2499 | rVB2 | 2473    | 4103    | 0.28%   | 0.035%  |
| 41 | 17.559 | 2499 | 2505 | 2511 | rBV  | 438188  | 644263  | 44.33%  | 5.529%  |
| 42 | 17.659 | 2514 | 2522 | 2529 | rBV  | 753736  | 1134174 | 78.04%  | 9.733%  |
| 43 | 17.929 | 2564 | 2568 | 2569 | rBV2 | 1696    | 2319    | 0.16%   | 0.020%  |
| 44 | 18.076 | 2591 | 2593 | 2595 | rBV2 | 2039    | 2071    | 0.14%   | 0.018%  |
| 45 | 18.293 | 2627 | 2630 | 2633 | rBV3 | 2321    | 3459    | 0.24%   | 0.030%  |
| 46 | 18.405 | 2645 | 2649 | 2651 | rBV2 | 2091    | 2882    | 0.20%   | 0.025%  |
| 47 | 18.464 | 2656 | 2659 | 2661 | rVB3 | 2319    | 2575    | 0.18%   | 0.022%  |
| 48 | 18.693 | 2695 | 2698 | 2700 | rBV3 | 3213    | 3579    | 0.25%   | 0.031%  |
| 49 | 18.775 | 2710 | 2712 | 2713 | rBV  | 2561    | 2085    | 0.14%   | 0.018%  |
| 50 | 19.568 | 2842 | 2847 | 2851 | rBV  | 12018   | 19403   | 1.34%   | 0.167%  |
| 51 | 19.932 | 2903 | 2909 | 2916 | rBV  | 1020230 | 1453356 | 100.00% | 12.473% |
| 52 | 21.842 | 3228 | 3234 | 3241 | rVB  | 555840  | 932999  | 64.20%  | 8.007%  |
| 53 | 24.974 | 3758 | 3767 | 3778 | rVB  | 520033  | 1440667 | 99.13%  | 12.364% |
| 54 | 25.209 | 3797 | 3807 | 3818 | rVB2 | 272448  | 830310  | 57.13%  | 7.126%  |

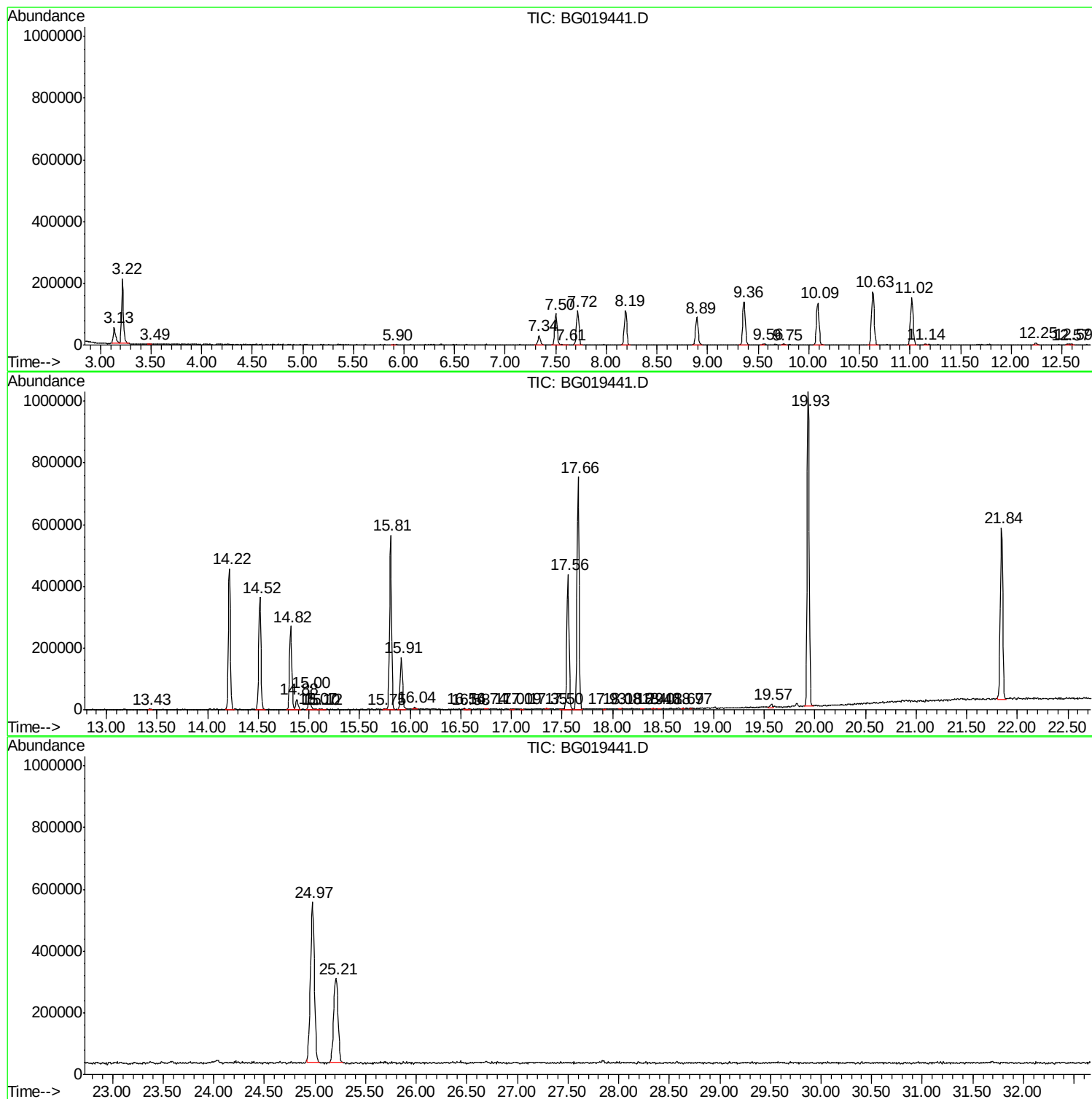
Sum of corrected areas: 11652364

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Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG102815.M  
Quant Title : SVOA CALIBRATION

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



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Quant Title : SVOA CALIBRATION

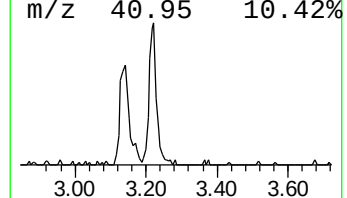
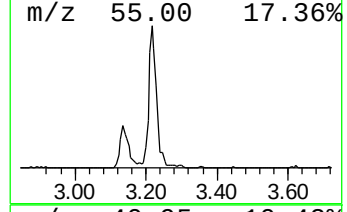
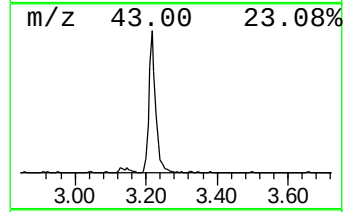
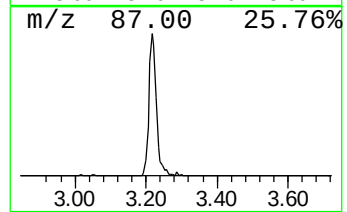
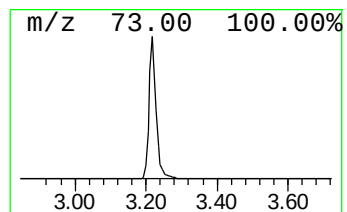
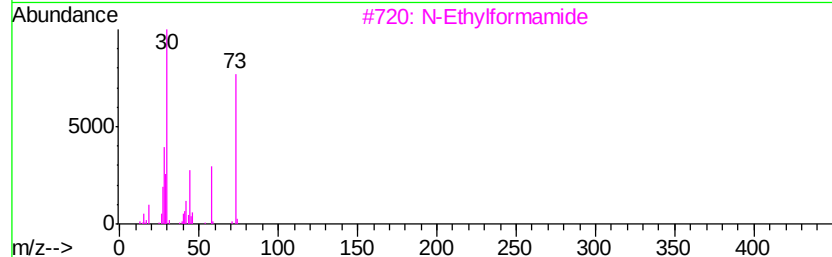
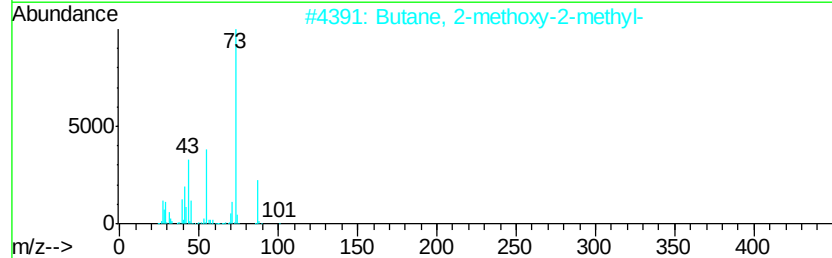
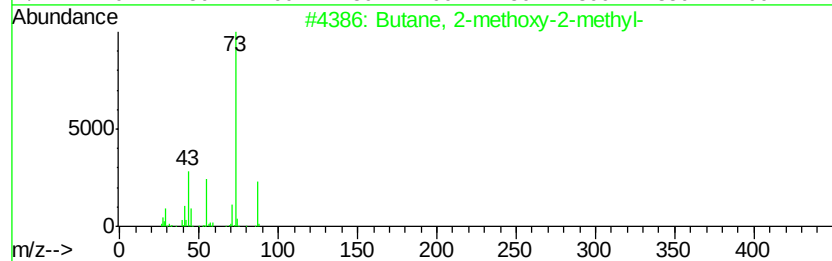
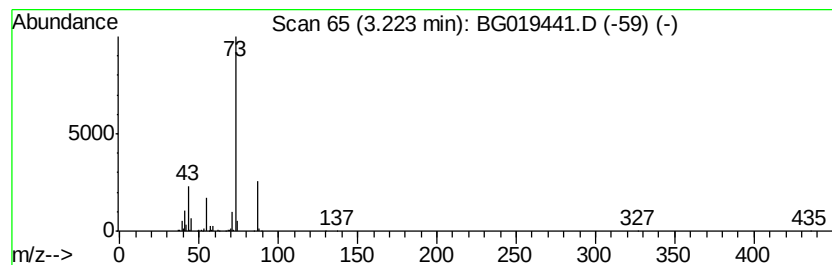
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

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

| R.T. | EstConc     | Area   | Relative to ISTD       | R.T. |
|------|-------------|--------|------------------------|------|
| 3.22 | 30.72 ng/ul | 293639 | 1,4-Dichlorobenzene-d4 | 8.19 |

| 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 | 39   |
| 3    |    | N-Ethylformamide            | 73  | C3H7NO  | 000627-45-2 | 9    |
| 4    |    | Silane, tetramethyl-        | 88  | C4H12Si | 000075-76-3 | 9    |
| 5    |    | 3-Pentanol, 2,4-dimethyl-   | 116 | C7H16O  | 000600-36-2 | 9    |



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| TIC Top Hit name     | RT   | EstConc | Units | Response | --Internal Standard-- |      |        |      |
|----------------------|------|---------|-------|----------|-----------------------|------|--------|------|
|                      |      |         |       |          | #                     | RT   | Resp   | Conc |
| Butane, 2-methoxy... | 3.22 | 30.7    | ng/ul | 293639   | 1                     | 8.19 | 191154 | 20.0 |