

Data Path : Z:\HPCHEM1\BNA\_G\DATA\BG081915\  
 Data File : BG018481.D  
 Acq On : 19 Aug 2015 19:35  
 Operator : UM/MA  
 Sample : G3302-12  
 Misc :  
 ALS Vial : 16 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 C0550

## 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           | 16           | rVB4     | 25289          | 41860         | 1.19%           | 0.124%        |
| 2         | 3.114       | 41            | 47          | 54           | rBV      | 138274         | 234699        | 6.69%           | 0.693%        |
| 3         | 3.184       | 54            | 59          | 75           | rVB      | 1438652        | 2055075       | 58.59%          | 6.072%        |
| 4         | 3.448       | 102           | 104         | 106          | rVB3     | 7843           | 5469          | 0.16%           | 0.016%        |
| 5         | 3.595       | 127           | 129         | 134          | rVB5     | 3787           | 5231          | 0.15%           | 0.015%        |
| 6         | 3.966       | 189           | 192         | 193          | rBV3     | 3966           | 5078          | 0.14%           | 0.015%        |
| 7         | 4.201       | 229           | 232         | 235          | rBV5     | 5995           | 8131          | 0.23%           | 0.024%        |
| 8         | 4.295       | 244           | 248         | 253          | rBV7     | 6882           | 13094         | 0.37%           | 0.039%        |
| 9         | 4.436       | 270           | 272         | 275          | rBV4     | 3381           | 4952          | 0.14%           | 0.015%        |
| 10        | 4.729       | 319           | 322         | 324          | rBV3     | 6643           | 6451          | 0.18%           | 0.019%        |
| 11        | 4.888       | 347           | 349         | 356          | rBV5     | 2954           | 6639          | 0.19%           | 0.020%        |
| 12        | 6.216       | 570           | 575         | 579          | rBV6     | 6130           | 12516         | 0.36%           | 0.037%        |
| 13        | 6.404       | 605           | 607         | 612          | rVB4     | 3869           | 5394          | 0.15%           | 0.016%        |
| 14        | 6.609       | 639           | 642         | 645          | rBV4     | 4786           | 5482          | 0.16%           | 0.016%        |
| 15        | 7.168       | 732           | 737         | 745          | rBV2     | 85250          | 148069        | 4.22%           | 0.438%        |
| 16        | 7.332       | 757           | 765         | 774          | rBV      | 316651         | 526531        | 15.01%          | 1.556%        |
| 17        | 7.544       | 793           | 801         | 809          | rBV      | 308660         | 521582        | 14.87%          | 1.541%        |
| 18        | 8.014       | 874           | 881         | 889          | rVB      | 367910         | 616992        | 17.59%          | 1.823%        |
| 19        | 8.249       | 918           | 921         | 926          | rVB5     | 4981           | 9030          | 0.26%           | 0.027%        |
| 20        | 8.560       | 968           | 974         | 978          | rBV5     | 7166           | 11434         | 0.33%           | 0.034%        |
| 21        | 8.713       | 993           | 1000        | 1007         | rBV      | 258100         | 440140        | 12.55%          | 1.300%        |
| 22        | 9.060       | 1055          | 1059        | 1062         | rVB4     | 3149           | 4802          | 0.14%           | 0.014%        |
| 23        | 9.171       | 1071          | 1078        | 1085         | rBV      | 377474         | 671130        | 19.13%          | 1.983%        |
| 24        | 9.894       | 1193          | 1201        | 1210         | rBV2     | 314032         | 546178        | 15.57%          | 1.614%        |
| 25        | 10.434      | 1286          | 1293        | 1301         | rBV      | 479247         | 857327        | 24.44%          | 2.533%        |
| 26        | 10.816      | 1350          | 1358        | 1366         | rBV      | 556666         | 1008329       | 28.75%          | 2.979%        |
| 27        | 10.951      | 1376          | 1381        | 1386         | rBV4     | 22433          | 40701         | 1.16%           | 0.120%        |
| 28        | 11.680      | 1503          | 1505        | 1510         | rVB4     | 4521           | 5741          | 0.16%           | 0.017%        |
| 29        | 11.862      | 1532          | 1536        | 1539         | rBV5     | 3723           | 5171          | 0.15%           | 0.015%        |
| 30        | 12.097      | 1571          | 1576        | 1580         | rBV      | 16310          | 21457         | 0.61%           | 0.063%        |
| 31        | 12.826      | 1696          | 1700        | 1701         | rBV3     | 3775           | 5086          | 0.15%           | 0.015%        |
| 32        | 14.042      | 1901          | 1907        | 1917         | rVB      | 1073935        | 1580641       | 45.07%          | 4.670%        |
| 33        | 14.336      | 1949          | 1957        | 1963         | rVB      | 1232884        | 1971650       | 56.21%          | 5.826%        |
| 34        | 14.641      | 2002          | 2009        | 2017         | rVB2     | 1036586        | 1634759       | 46.61%          | 4.830%        |

Data Path : Z:\HPCHEM1\BNA\_G\DATA\BG081915\  
 Data File : BG018481.D  
 Acq On : 19 Aug 2015 19:35  
 Operator : UM/MA  
 Sample : G3302-12  
 Misc :  
 ALS Vial : 16 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 C0550

## 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

|    |        |      |      |      |      |         |         |         |         |
|----|--------|------|------|------|------|---------|---------|---------|---------|
| 35 | 14.823 | 2034 | 2040 | 2050 | rBV2 | 113186  | 211129  | 6.02%   | 0.624%  |
| 36 | 15.335 | 2125 | 2127 | 2130 | rVB4 | 5049    | 5385    | 0.15%   | 0.016%  |
| 37 | 15.376 | 2130 | 2134 | 2136 | rBV5 | 5384    | 6135    | 0.17%   | 0.018%  |
| 38 | 15.411 | 2136 | 2140 | 2142 | rBV4 | 5326    | 4807    | 0.14%   | 0.014%  |
| 39 | 15.628 | 2169 | 2177 | 2184 | rVB  | 1729601 | 2590838 | 73.87%  | 7.655%  |
| 40 | 15.740 | 2190 | 2196 | 2206 | rBV  | 457546  | 689377  | 19.65%  | 2.037%  |
| 41 | 15.875 | 2213 | 2219 | 2221 | rVB5 | 10343   | 17529   | 0.50%   | 0.052%  |
| 42 | 16.445 | 2315 | 2316 | 2322 | rVB6 | 5804    | 5807    | 0.17%   | 0.017%  |
| 43 | 16.580 | 2333 | 2339 | 2344 | rBV6 | 6339    | 11693   | 0.33%   | 0.035%  |
| 44 | 16.862 | 2381 | 2387 | 2391 | rBV2 | 33746   | 48481   | 1.38%   | 0.143%  |
| 45 | 17.050 | 2416 | 2419 | 2421 | rBV4 | 5527    | 5381    | 0.15%   | 0.016%  |
| 46 | 17.168 | 2435 | 2439 | 2443 | rBV3 | 8868    | 13782   | 0.39%   | 0.041%  |
| 47 | 17.385 | 2467 | 2476 | 2482 | rBV  | 1424260 | 2257331 | 64.36%  | 6.670%  |
| 48 | 17.479 | 2486 | 2492 | 2501 | rVB2 | 1922239 | 2995203 | 85.40%  | 8.850%  |
| 49 | 17.749 | 2535 | 2538 | 2540 | rBV4 | 5748    | 7451    | 0.21%   | 0.022%  |
| 50 | 18.026 | 2580 | 2585 | 2587 | rBV5 | 5329    | 7455    | 0.21%   | 0.022%  |
| 51 | 18.202 | 2614 | 2615 | 2619 | rVB3 | 7022    | 5659    | 0.16%   | 0.017%  |
| 52 | 18.266 | 2619 | 2626 | 2632 | rBV7 | 22563   | 46259   | 1.32%   | 0.137%  |
| 53 | 18.460 | 2654 | 2659 | 2660 | rBV5 | 5360    | 7583    | 0.22%   | 0.022%  |
| 54 | 18.601 | 2679 | 2683 | 2686 | rBV5 | 4434    | 6095    | 0.17%   | 0.018%  |
| 55 | 18.942 | 2739 | 2741 | 2746 | rVB6 | 5132    | 7009    | 0.20%   | 0.021%  |
| 56 | 19.330 | 2804 | 2807 | 2810 | rBV5 | 8283    | 9614    | 0.27%   | 0.028%  |
| 57 | 19.412 | 2819 | 2821 | 2822 | rBV2 | 6536    | 5997    | 0.17%   | 0.018%  |
| 58 | 19.647 | 2858 | 2861 | 2866 | rVB2 | 22988   | 29185   | 0.83%   | 0.086%  |
| 59 | 19.765 | 2874 | 2881 | 2892 | rBV  | 2499376 | 3507400 | 100.00% | 10.363% |
| 60 | 20.111 | 2938 | 2940 | 2944 | rBV4 | 5474    | 5166    | 0.15%   | 0.015%  |
| 61 | 21.369 | 3151 | 3154 | 3157 | rVB  | 19297   | 22262   | 0.63%   | 0.066%  |
| 62 | 21.539 | 3179 | 3183 | 3186 | rVB3 | 21883   | 30892   | 0.88%   | 0.091%  |
| 63 | 21.639 | 3193 | 3200 | 3210 | rBV  | 1516426 | 2523424 | 71.95%  | 7.456%  |
| 64 | 24.618 | 3697 | 3707 | 3720 | rVB  | 1184268 | 3198985 | 91.21%  | 9.452%  |
| 65 | 24.841 | 3734 | 3745 | 3762 | rVB2 | 879918  | 2524198 | 71.97%  | 7.458%  |

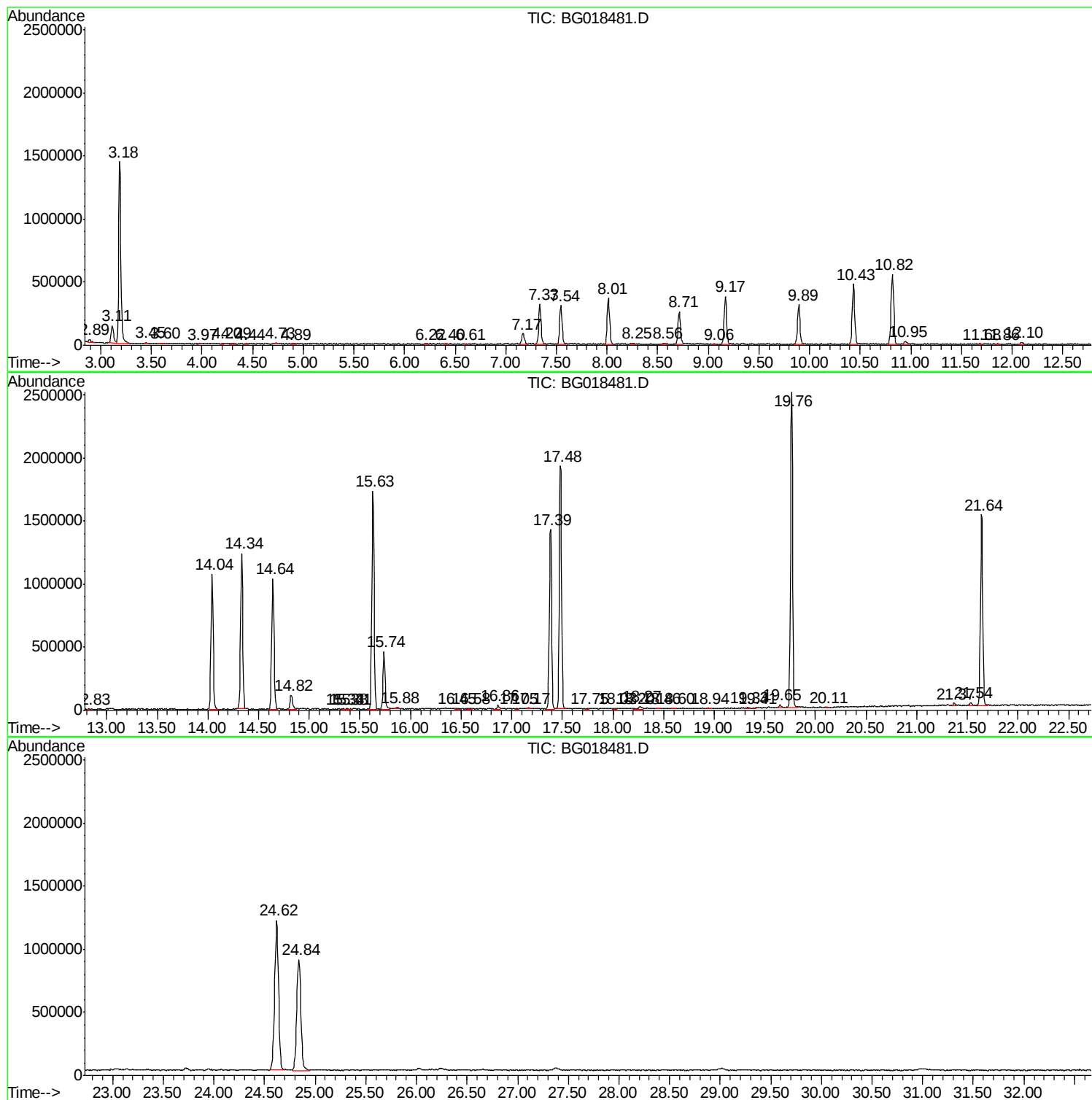
Sum of corrected areas: 33844333

Data Path : Z:\HPCHEM1\BNA\_G\DATA\BG081915\  
Data File : BG018481.D  
Acq On : 19 Aug 2015 19:35  
Operator : UM/MA  
Sample : G3302-12  
Misc :  
ALS Vial : 16 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
C0550

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



Data Path : Z:\HPCHEM1\BNA\_G\DATA\BG081915\  
Data File : BG018481.D  
Acq On : 19 Aug 2015 19:35  
Operator : UM/MA  
Sample : G3302-12  
Misc :  
ALS Vial : 16 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
C0550

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

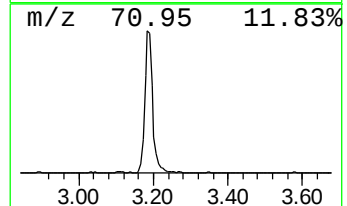
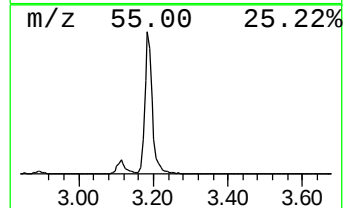
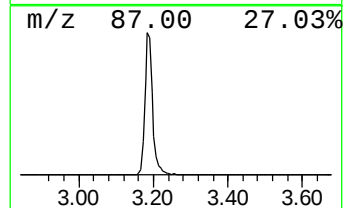
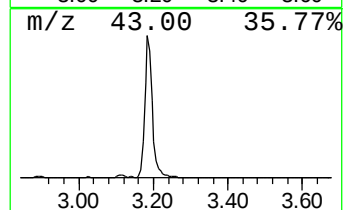
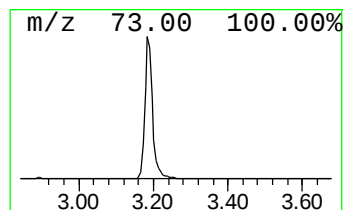
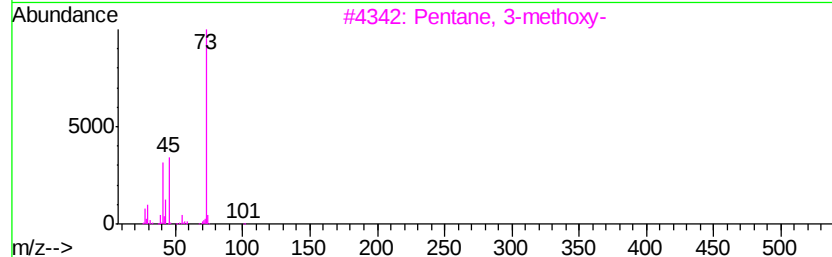
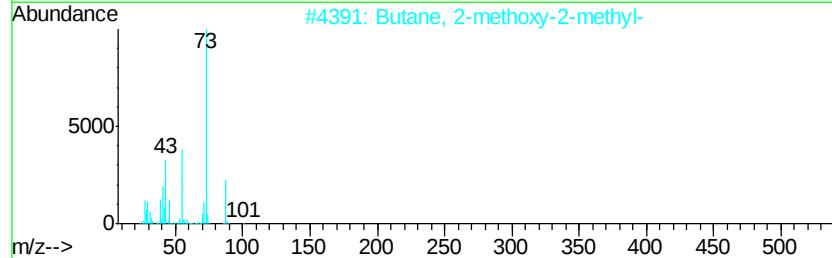
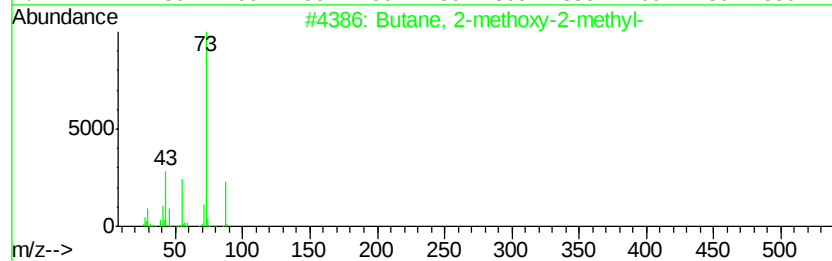
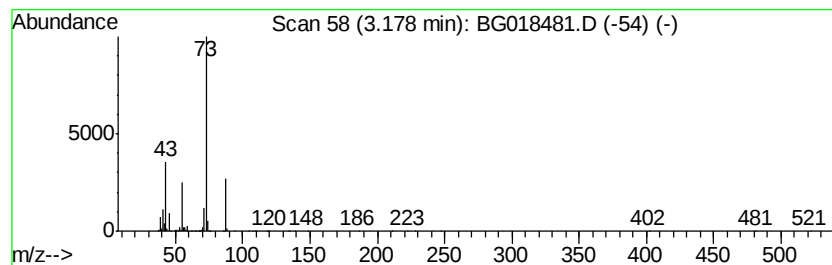
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

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

| R.T. | EstConc     | Area    | Relative to ISTD       | R.T. |
|------|-------------|---------|------------------------|------|
| 3.18 | 66.62 ng/ul | 2055080 | 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    |    | Pentane, 3-methoxy-         | 102 | C6H14O  | 036839-67-5 | 25   |
| 4    |    | Acetamide, N-ethyl-         | 87  | C4H9NO  | 000625-50-3 | 9    |
| 5    |    | Acetamide, N-ethyl-         | 87  | C4H9NO  | 000625-50-3 | 9    |



Data Path : Z:\HPCHEM1\BNA\_G\DATA\BG081915\  
Data File : BG018481.D  
Acq On : 19 Aug 2015 19:35  
Operator : UM/MA  
Sample : G3302-12  
Misc :  
ALS Vial : 16 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
C0550

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

| TIC Top Hit name     | RT   | EstConc | Units | Response | --Internal Standard-- |      |        |      |
|----------------------|------|---------|-------|----------|-----------------------|------|--------|------|
|                      |      |         |       |          | #                     | RT   | Resp   | Conc |
| Butane, 2-methoxy... | 3.18 | 66.6    | ng/ul | 2055080  | 1                     | 8.01 | 616992 | 20.0 |