

Data Path : Z:\HPCHEM1\BNA\_G\DATA\BG071315\  
 Data File : BG017836.D  
 Acq On : 13 Jul 2015 23:52  
 Operator : TP/UM  
 Sample : PB84445BL  
 Misc : SBLK90  
 ALS Vial : 13 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 SBLK90

## 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-BG070915.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         | 2.870       | 27            | 31          | 38           | rVB      | 249036         | 364922        | 16.89%          | 1.518%        |
| 2         | 3.117       | 71            | 73          | 77           | rBV3     | 25589          | 32636         | 1.51%           | 0.136%        |
| 3         | 6.766       | 688           | 694         | 706          | rVB      | 441103         | 672631        | 31.13%          | 2.798%        |
| 4         | 6.936       | 717           | 723         | 730          | rBV      | 330949         | 527535        | 24.42%          | 2.195%        |
| 5         | 7.124       | 749           | 755         | 765          | rVB      | 440409         | 686120        | 31.75%          | 2.855%        |
| 6         | 7.371       | 795           | 797         | 801          | rVB3     | 2614           | 3047          | 0.14%           | 0.013%        |
| 7         | 7.588       | 827           | 834         | 841          | rBV      | 335410         | 526857        | 24.38%          | 2.192%        |
| 8         | 7.706       | 851           | 854         | 856          | rBV5     | 2016           | 2343          | 0.11%           | 0.010%        |
| 9         | 7.994       | 900           | 903         | 906          | rBV4     | 1801           | 2745          | 0.13%           | 0.011%        |
| 10        | 8.293       | 947           | 954         | 963          | rBV      | 497638         | 796353        | 36.86%          | 3.313%        |
| 11        | 8.428       | 974           | 977         | 980          | rVB3     | 2348           | 2804          | 0.13%           | 0.012%        |
| 12        | 8.740       | 1023          | 1030        | 1037         | rBV      | 404905         | 656893        | 30.40%          | 2.733%        |
| 13        | 9.310       | 1124          | 1127        | 1132         | rVB4     | 2496           | 3453          | 0.16%           | 0.014%        |
| 14        | 9.351       | 1132          | 1134        | 1135         | rBV      | 4019           | 2296          | 0.11%           | 0.010%        |
| 15        | 9.404       | 1141          | 1143        | 1146         | rBV4     | 2176           | 2345          | 0.11%           | 0.010%        |
| 16        | 9.457       | 1146          | 1152        | 1160         | rVV      | 315021         | 505698        | 23.40%          | 2.104%        |
| 17        | 9.915       | 1228          | 1230        | 1234         | rBV3     | 1803           | 2430          | 0.11%           | 0.010%        |
| 18        | 9.991       | 1236          | 1243        | 1254         | rVV      | 473481         | 760598        | 35.20%          | 3.164%        |
| 19        | 10.367      | 1300          | 1307        | 1316         | rVV      | 471125         | 790112        | 36.57%          | 3.287%        |
| 20        | 10.508      | 1324          | 1331        | 1341         | rBV      | 517276         | 873763        | 40.44%          | 3.635%        |
| 21        | 11.613      | 1514          | 1519        | 1522         | rBV4     | 2175           | 2768          | 0.13%           | 0.012%        |
| 22        | 12.148      | 1606          | 1610        | 1613         | rVB3     | 2002           | 2740          | 0.13%           | 0.011%        |
| 23        | 12.283      | 1626          | 1633        | 1636         | rVB3     | 2182           | 3748          | 0.17%           | 0.016%        |
| 24        | 12.506      | 1667          | 1671        | 1673         | rVB3     | 2043           | 2248          | 0.10%           | 0.009%        |
| 25        | 13.164      | 1778          | 1783        | 1784         | rBV4     | 2223           | 2859          | 0.13%           | 0.012%        |
| 26        | 13.593      | 1851          | 1856        | 1858         | rBV3     | 1559           | 2664          | 0.12%           | 0.011%        |
| 27        | 13.664      | 1861          | 1868        | 1878         | rVV      | 861544         | 1195908       | 55.35%          | 4.976%        |
| 28        | 13.934      | 1907          | 1914        | 1923         | rVB      | 975645         | 1391505       | 64.40%          | 5.789%        |
| 29        | 14.245      | 1959          | 1967        | 1977         | rVB2     | 703750         | 1040405       | 48.15%          | 4.329%        |
| 30        | 14.451      | 1994          | 2002        | 2010         | rBV      | 425034         | 619422        | 28.67%          | 2.577%        |
| 31        | 14.533      | 2015          | 2016        | 2019         | rVV3     | 4783           | 4371          | 0.20%           | 0.018%        |
| 32        | 14.557      | 2019          | 2020        | 2024         | rVB3     | 3179           | 2902          | 0.13%           | 0.012%        |
| 33        | 14.621      | 2029          | 2031        | 2036         | rVB5     | 1757           | 2542          | 0.12%           | 0.011%        |
| 34        | 14.709      | 2045          | 2046        | 2051         | rBV4     | 2093           | 2183          | 0.10%           | 0.009%        |

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 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-BG070915.M  
 Title : SVOA CALIBRATION

|    |        |      |      |      |      |         |         |         |        |
|----|--------|------|------|------|------|---------|---------|---------|--------|
| 35 | 14.874 | 2070 | 2074 | 2076 | rVV4 | 1477    | 2277    | 0.11%   | 0.009% |
| 36 | 14.915 | 2079 | 2081 | 2088 | rVB4 | 1219    | 2399    | 0.11%   | 0.010% |
| 37 | 15.244 | 2130 | 2137 | 2146 | rVB  | 1197352 | 1698165 | 78.59%  | 7.065% |
| 38 | 15.362 | 2150 | 2157 | 2169 | rBV  | 347217  | 493656  | 22.85%  | 2.054% |
| 39 | 15.479 | 2174 | 2177 | 2180 | rVV4 | 6471    | 8732    | 0.40%   | 0.036% |
| 40 | 15.538 | 2183 | 2187 | 2189 | rBV3 | 2669    | 2639    | 0.12%   | 0.011% |
| 41 | 15.726 | 2215 | 2219 | 2221 | rBV3 | 2236    | 2242    | 0.10%   | 0.009% |
| 42 | 16.778 | 2393 | 2398 | 2402 | rBV4 | 4502    | 6870    | 0.32%   | 0.029% |
| 43 | 16.907 | 2418 | 2420 | 2425 | rBV3 | 2246    | 3246    | 0.15%   | 0.014% |
| 44 | 16.995 | 2429 | 2435 | 2445 | rVV2 | 893406  | 1223363 | 56.62%  | 5.090% |
| 45 | 17.095 | 2445 | 2452 | 2460 | rBV2 | 1341821 | 1883288 | 87.16%  | 7.835% |
| 46 | 17.177 | 2465 | 2466 | 2469 | rVV2 | 2847    | 2349    | 0.11%   | 0.010% |
| 47 | 17.253 | 2473 | 2479 | 2481 | rBV4 | 3994    | 5151    | 0.24%   | 0.021% |
| 48 | 17.300 | 2483 | 2487 | 2493 | rVB3 | 2860    | 3927    | 0.18%   | 0.016% |
| 49 | 17.682 | 2551 | 2552 | 2557 | rVB3 | 2380    | 2648    | 0.12%   | 0.011% |
| 50 | 17.735 | 2557 | 2561 | 2565 | rBV3 | 2946    | 4036    | 0.19%   | 0.017% |
| 51 | 18.141 | 2627 | 2630 | 2633 | rVB3 | 2232    | 2351    | 0.11%   | 0.010% |
| 52 | 18.399 | 2670 | 2674 | 2677 | rVB4 | 2100    | 2257    | 0.10%   | 0.009% |
| 53 | 18.640 | 2714 | 2715 | 2718 | rBV2 | 2596    | 2683    | 0.12%   | 0.011% |
| 54 | 18.705 | 2724 | 2726 | 2730 | rBV4 | 1664    | 2269    | 0.11%   | 0.009% |
| 55 | 18.940 | 2764 | 2766 | 2770 | rBV4 | 1563    | 2303    | 0.11%   | 0.010% |
| 56 | 19.145 | 2799 | 2801 | 2804 | rVB4 | 2599    | 2436    | 0.11%   | 0.010% |
| 57 | 19.292 | 2821 | 2826 | 2829 | rBV3 | 11492   | 15045   | 0.70%   | 0.063% |
| 58 | 19.404 | 2839 | 2845 | 2851 | rVV  | 1590568 | 2160698 | 100.00% | 8.990% |
| 59 | 19.445 | 2851 | 2852 | 2859 | rVB5 | 5232    | 6752    | 0.31%   | 0.028% |
| 60 | 19.792 | 2909 | 2911 | 2914 | rVB3 | 2462    | 2690    | 0.12%   | 0.011% |
| 61 | 19.880 | 2924 | 2926 | 2928 | rBV3 | 2535    | 2501    | 0.12%   | 0.010% |
| 62 | 20.003 | 2945 | 2947 | 2948 | rBV2 | 3024    | 2578    | 0.12%   | 0.011% |
| 63 | 20.221 | 2982 | 2984 | 2989 | rVB5 | 2883    | 3829    | 0.18%   | 0.016% |
| 64 | 20.262 | 2989 | 2991 | 2994 | rBV3 | 2962    | 2570    | 0.12%   | 0.011% |
| 65 | 20.315 | 2999 | 3000 | 3002 | rBV2 | 3086    | 3093    | 0.14%   | 0.013% |
| 66 | 20.391 | 3011 | 3013 | 3015 | rBV3 | 1722    | 2220    | 0.10%   | 0.009% |
| 67 | 20.456 | 3021 | 3024 | 3025 | rBV3 | 3702    | 3915    | 0.18%   | 0.016% |
| 68 | 20.585 | 3043 | 3046 | 3048 | rVB4 | 2798    | 2760    | 0.13%   | 0.011% |
| 69 | 20.614 | 3048 | 3051 | 3052 | rBV3 | 2998    | 2327    | 0.11%   | 0.010% |
| 70 | 20.837 | 3087 | 3089 | 3092 | rBV3 | 3967    | 6300    | 0.29%   | 0.026% |
| 71 | 20.996 | 3112 | 3116 | 3121 | rVB8 | 15484   | 18174   | 0.84%   | 0.076% |

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Method : Z:\HPCHEM1\BNA\_G\METHODS\SOM02.2-EPA-BG070915.M  
 Title : SVOA CALIBRATION

|    |        |      |      |      |      |         |         |        |        |
|----|--------|------|------|------|------|---------|---------|--------|--------|
| 72 | 21.055 | 3124 | 3126 | 3127 | rBV2 | 2644    | 2247    | 0.10%  | 0.009% |
| 73 | 21.131 | 3137 | 3139 | 3142 | rBV5 | 3412    | 3691    | 0.17%  | 0.015% |
| 74 | 21.196 | 3145 | 3150 | 3161 | rVV  | 1191352 | 1402103 | 64.89% | 5.833% |
| 75 | 21.619 | 3220 | 3222 | 3226 | rBV5 | 3905    | 7603    | 0.35%  | 0.032% |
| 76 | 22.253 | 3329 | 3330 | 3333 | rBV3 | 5075    | 5064    | 0.23%  | 0.021% |
| 77 | 22.682 | 3399 | 3403 | 3410 | rBV7 | 14977   | 26653   | 1.23%  | 0.111% |
| 78 | 23.117 | 3474 | 3477 | 3478 | rBV3 | 5237    | 5863    | 0.27%  | 0.024% |
| 79 | 23.276 | 3496 | 3504 | 3520 | rBV2 | 1151895 | 2087287 | 96.60% | 8.684% |
| 80 | 23.417 | 3520 | 3528 | 3539 | rVV  | 732938  | 1357542 | 62.83% | 5.648% |
| 81 | 23.558 | 3550 | 3552 | 3555 | rVB4 | 6762    | 7091    | 0.33%  | 0.030% |
| 82 | 23.587 | 3555 | 3557 | 3558 | rBV  | 6949    | 3540    | 0.16%  | 0.015% |
| 83 | 23.622 | 3561 | 3563 | 3564 | rBV2 | 5354    | 2903    | 0.13%  | 0.012% |
| 84 | 23.963 | 3619 | 3621 | 3622 | rBV2 | 5373    | 4064    | 0.19%  | 0.017% |
| 85 | 23.981 | 3622 | 3624 | 3625 | rVV2 | 5796    | 3357    | 0.16%  | 0.014% |
| 86 | 24.251 | 3668 | 3670 | 3671 | rBV2 | 4640    | 2978    | 0.14%  | 0.012% |
| 87 | 24.374 | 3689 | 3691 | 3692 | rBV2 | 5206    | 4431    | 0.21%  | 0.018% |
| 88 | 26.631 | 4073 | 4075 | 4078 | rBV4 | 6242    | 7590    | 0.35%  | 0.032% |
| 89 | 27.060 | 4146 | 4148 | 4150 | rBV3 | 5146    | 5338    | 0.25%  | 0.022% |
| 90 | 28.023 | 4311 | 4312 | 4313 | rBV  | 7265    | 2941    | 0.14%  | 0.012% |
| 91 | 28.270 | 4352 | 4354 | 4355 | rBV2 | 5248    | 3532    | 0.16%  | 0.015% |
| 92 | 28.758 | 4435 | 4437 | 4438 | rBV2 | 4436    | 3093    | 0.14%  | 0.013% |

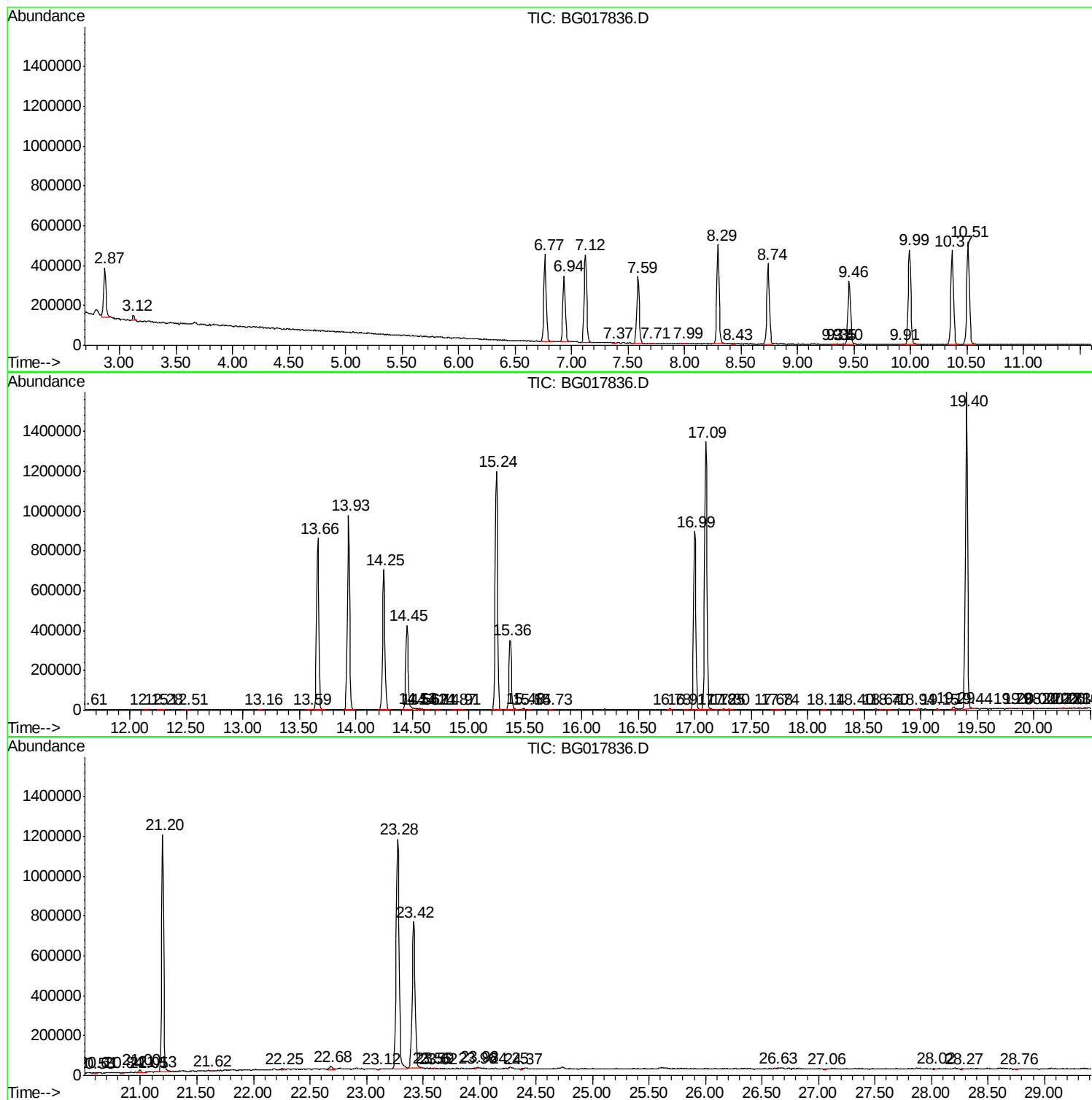
Sum of corrected areas: 24035496

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Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\SOM02.2-EPA-BG070915.M  
Quant Title : SVOA CALIBRATION

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



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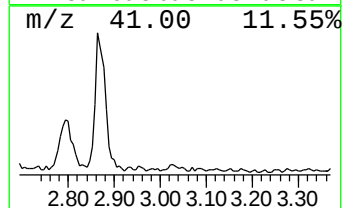
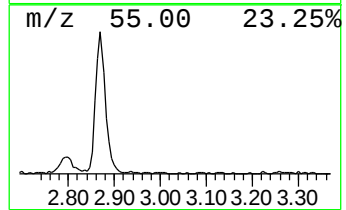
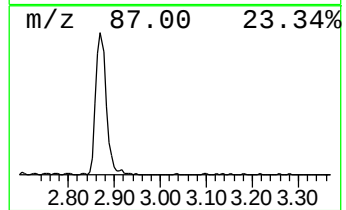
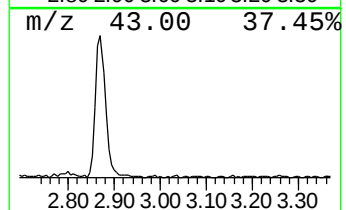
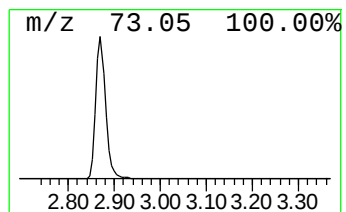
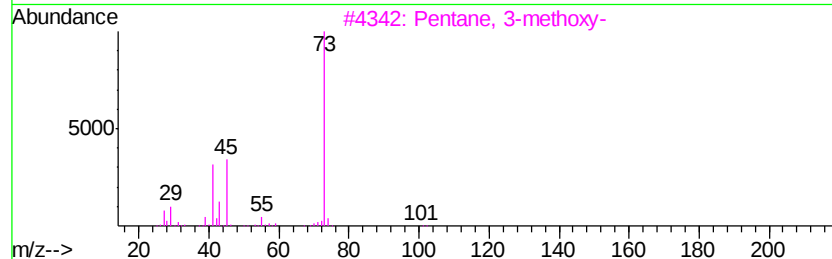
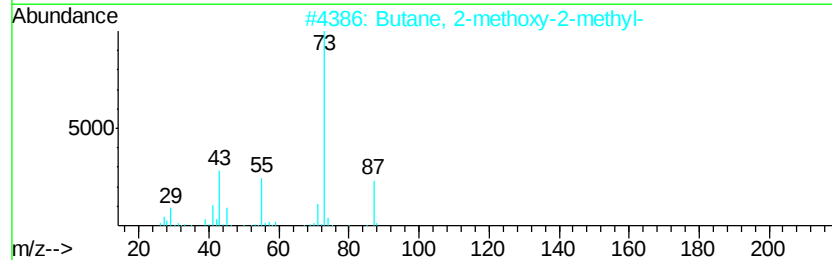
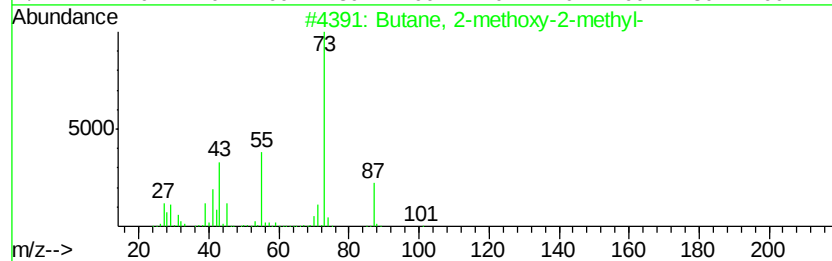
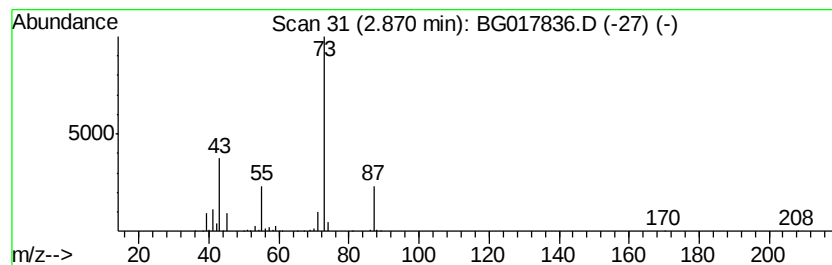
Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\SOM02.2-EPA-BG070915.M  
Quant Title : SVOA CALIBRATION

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

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

| R.T. | EstConc     | Area   | Relative to ISTD       | R.T. |
|------|-------------|--------|------------------------|------|
| 2.87 | 13.85 ng/ul | 364922 | 1,4-Dichlorobenzene-d4 | 7.59 |

| Hit# | of | Tentative ID                | MW  | MolForm | CAS#        | Qual |
|------|----|-----------------------------|-----|---------|-------------|------|
| 1    | 5  | Butane, 2-methoxy-2-methyl- | 102 | C6H14O  | 000994-05-8 | 72   |
| 2    |    | Butane, 2-methoxy-2-methyl- | 102 | C6H14O  | 000994-05-8 | 38   |
| 3    |    | Pentane, 3-methoxy-         | 102 | C6H14O  | 036839-67-5 | 17   |
| 4    |    | Silane, tetramethyl-        | 88  | C4H12Si | 000075-76-3 | 12   |
| 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... | 2.87 | 13.9    | ng/ul | 364922   | 1                     | 7.59 | 526857 | 20.0 |