

Data Path : Z:\HPCHEM1\BNA\_M\DATA\BM070215\  
 Data File : BM001826.D  
 Acq On : 02 Jul 2015 19:21  
 Operator : TP/UM  
 Sample : G2860-01  
 Misc :  
 ALS Vial : 12 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 G93H8

## 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\_M\METHODS\SOM02.2-EPA-BM061515.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      | 2.728    | 5          | 7        | 16        | rVB2  | 4279        | 5584       | 0.32%        | 0.055%     |
| 2      | 2.810    | 16         | 21       | 24        | rVV   | 68975       | 95193      | 5.49%        | 0.936%     |
| 3      | 2.840    | 24         | 26       | 29        | rVV   | 26212       | 29281      | 1.69%        | 0.288%     |
| 4      | 2.881    | 29         | 33       | 50        | rVB   | 1526810     | 1733323    | 100.00%      | 17.051%    |
| 5      | 3.140    | 73         | 77       | 82        | rVB   | 6404        | 7319       | 0.42%        | 0.072%     |
| 6      | 3.657    | 161        | 165      | 169       | rBV   | 5822        | 6647       | 0.38%        | 0.065%     |
| 7      | 3.775    | 181        | 185      | 188       | rVB   | 1407        | 2105       | 0.12%        | 0.021%     |
| 8      | 4.087    | 234        | 238      | 245       | rBV   | 21000       | 28611      | 1.65%        | 0.281%     |
| 9      | 4.152    | 245        | 249      | 252       | rVB2  | 1247        | 2124       | 0.12%        | 0.021%     |
| 10     | 4.234    | 259        | 263      | 268       | rBV3  | 1323        | 2156       | 0.12%        | 0.021%     |
| 11     | 4.328    | 273        | 279      | 285       | rBV   | 2442        | 5086       | 0.29%        | 0.050%     |
| 12     | 4.499    | 304        | 308      | 312       | rBV   | 13221       | 18332      | 1.06%        | 0.180%     |
| 13     | 4.769    | 349        | 354      | 361       | rVB   | 8387        | 12131      | 0.70%        | 0.119%     |
| 14     | 4.869    | 367        | 371      | 375       | rBB2  | 1897        | 1882       | 0.11%        | 0.019%     |
| 15     | 6.828    | 696        | 704      | 713       | rBV   | 102768      | 167153     | 9.64%        | 1.644%     |
| 16     | 6.998    | 728        | 733      | 739       | rBB   | 79616       | 113791     | 6.56%        | 1.119%     |
| 17     | 7.187    | 760        | 765      | 772       | rBB   | 105438      | 160196     | 9.24%        | 1.576%     |
| 18     | 7.657    | 838        | 845      | 853       | rBB   | 179900      | 283122     | 16.33%       | 2.785%     |
| 19     | 7.881    | 880        | 883      | 885       | rBB   | 1918        | 2071       | 0.12%        | 0.020%     |
| 20     | 8.363    | 959        | 965      | 972       | rVB   | 103651      | 158441     | 9.14%        | 1.559%     |
| 21     | 8.481    | 980        | 985      | 992       | rBB2  | 22421       | 33495      | 1.93%        | 0.330%     |
| 22     | 8.816    | 1036       | 1042     | 1049      | rBB   | 92953       | 146918     | 8.48%        | 1.445%     |
| 23     | 9.498    | 1154       | 1158     | 1159      | rBV   | 1642        | 1756       | 0.10%        | 0.017%     |
| 24     | 9.534    | 1159       | 1164     | 1170      | rVB   | 76277       | 120451     | 6.95%        | 1.185%     |
| 25     | 9.675    | 1182       | 1188     | 1193      | rBB2  | 4480        | 6746       | 0.39%        | 0.066%     |
| 26     | 9.898    | 1222       | 1226     | 1229      | rBB   | 1991        | 2222       | 0.13%        | 0.022%     |
| 27     | 10.069   | 1248       | 1255     | 1262      | rBB2  | 133758      | 208227     | 12.01%       | 2.048%     |
| 28     | 10.451   | 1312       | 1320     | 1328      | rBB   | 252537      | 411879     | 23.76%       | 4.052%     |
| 29     | 10.592   | 1337       | 1344     | 1350      | rBV   | 83503       | 134984     | 7.79%        | 1.328%     |
| 30     | 12.910   | 1734       | 1738     | 1742      | rBV   | 2884        | 3557       | 0.21%        | 0.035%     |
| 31     | 13.727   | 1871       | 1877     | 1881      | rBV   | 201697      | 274926     | 15.86%       | 2.705%     |
| 32     | 13.774   | 1881       | 1885     | 1890      | rVB   | 56981       | 77405      | 4.47%        | 0.761%     |
| 33     | 14.004   | 1918       | 1924     | 1932      | rBV   | 228438      | 333556     | 19.24%       | 3.281%     |
| 34     | 14.210   | 1956       | 1959     | 1963      | rVB   | 3360        | 3407       | 0.20%        | 0.034%     |

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 ClientSampleId :  
 G93H8

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 Peak Location: TOP

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Method : Z:\HPCHEM1\BNA\_M\METHODS\SOM02.2-EPA-BM061515.M  
 Title : SVOA CALIBRATION

|    |        |      |      |      |      |        |        |        |        |
|----|--------|------|------|------|------|--------|--------|--------|--------|
| 35 | 14.316 | 1971 | 1977 | 1985 | rBV2 | 368945 | 560533 | 32.34% | 5.514% |
| 36 | 14.516 | 2005 | 2011 | 2018 | rVB  | 76414  | 109393 | 6.31%  | 1.076% |
| 37 | 14.669 | 2034 | 2037 | 2042 | rVB3 | 2154   | 2541   | 0.15%  | 0.025% |
| 38 | 15.168 | 2118 | 2122 | 2127 | rVB2 | 6395   | 7762   | 0.45%  | 0.076% |
| 39 | 15.310 | 2140 | 2146 | 2153 | rVB  | 310839 | 427882 | 24.69% | 4.209% |
| 40 | 15.427 | 2161 | 2166 | 2171 | rBV  | 67730  | 87475  | 5.05%  | 0.861% |
| 41 | 16.027 | 2265 | 2268 | 2276 | rVB  | 8098   | 12215  | 0.70%  | 0.120% |
| 42 | 16.821 | 2399 | 2403 | 2405 | rBV  | 5429   | 5814   | 0.34%  | 0.057% |
| 43 | 16.845 | 2405 | 2407 | 2409 | rVB2 | 2400   | 2065   | 0.12%  | 0.020% |
| 44 | 17.062 | 2438 | 2444 | 2449 | rBV  | 488387 | 671248 | 38.73% | 6.603% |
| 45 | 17.104 | 2449 | 2451 | 2455 | rVV  | 11797  | 11910  | 0.69%  | 0.117% |
| 46 | 17.157 | 2455 | 2460 | 2470 | rVB2 | 301207 | 435375 | 25.12% | 4.283% |
| 47 | 17.551 | 2525 | 2527 | 2533 | rVB2 | 2259   | 3372   | 0.19%  | 0.033% |
| 48 | 17.833 | 2571 | 2575 | 2578 | rVB  | 1654   | 1971   | 0.11%  | 0.019% |
| 49 | 17.951 | 2589 | 2595 | 2599 | rBV  | 32607  | 38838  | 2.24%  | 0.382% |
| 50 | 17.986 | 2599 | 2601 | 2603 | rVV  | 3732   | 3385   | 0.20%  | 0.033% |
| 51 | 18.027 | 2606 | 2608 | 2613 | rVV  | 1927   | 2031   | 0.12%  | 0.020% |
| 52 | 18.127 | 2621 | 2625 | 2629 | rBV4 | 2546   | 3863   | 0.22%  | 0.038% |
| 53 | 18.245 | 2642 | 2645 | 2647 | rBV2 | 2065   | 1862   | 0.11%  | 0.018% |
| 54 | 18.298 | 2651 | 2654 | 2655 | rVB  | 2702   | 2119   | 0.12%  | 0.021% |
| 55 | 18.374 | 2666 | 2667 | 2672 | rVB3 | 1997   | 2484   | 0.14%  | 0.024% |
| 56 | 18.427 | 2672 | 2676 | 2677 | rBV  | 1933   | 2086   | 0.12%  | 0.021% |
| 57 | 18.492 | 2684 | 2687 | 2689 | rBV2 | 2233   | 2176   | 0.13%  | 0.021% |
| 58 | 18.533 | 2689 | 2694 | 2698 | rVV3 | 6729   | 9128   | 0.53%  | 0.090% |
| 59 | 18.762 | 2730 | 2733 | 2738 | rBV4 | 4455   | 6095   | 0.35%  | 0.060% |
| 60 | 18.804 | 2738 | 2740 | 2745 | rVB4 | 4094   | 4069   | 0.23%  | 0.040% |
| 61 | 18.862 | 2748 | 2750 | 2753 | rVB3 | 1973   | 1744   | 0.10%  | 0.017% |
| 62 | 18.904 | 2755 | 2757 | 2761 | rVB2 | 2044   | 2384   | 0.14%  | 0.023% |
| 63 | 18.933 | 2761 | 2762 | 2764 | rBV2 | 3110   | 2276   | 0.13%  | 0.022% |
| 64 | 19.121 | 2789 | 2794 | 2798 | rBV  | 31110  | 42415  | 2.45%  | 0.417% |
| 65 | 19.239 | 2810 | 2814 | 2819 | rBV  | 22090  | 26965  | 1.56%  | 0.265% |
| 66 | 19.345 | 2830 | 2832 | 2836 | rBV5 | 3417   | 4519   | 0.26%  | 0.044% |
| 67 | 19.456 | 2846 | 2851 | 2862 | rBV  | 419915 | 581037 | 33.52% | 5.716% |
| 68 | 19.556 | 2866 | 2868 | 2875 | rBV7 | 4045   | 9019   | 0.52%  | 0.089% |
| 69 | 19.627 | 2878 | 2880 | 2881 | rBV2 | 4373   | 3357   | 0.19%  | 0.033% |
| 70 | 19.721 | 2892 | 2896 | 2899 | rBV4 | 3624   | 6846   | 0.39%  | 0.067% |
| 71 | 19.762 | 2902 | 2903 | 2905 | rBV2 | 5235   | 4477   | 0.26%  | 0.044% |

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Misc :  
ALS Vial : 12 Sample Multiplier: 1

Instrument :  
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ClientSampleId :  
G93H8

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If leading or trailing edge < 100 prefer < Baseline drop else tangent >  
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Title : SVOA CALIBRATION

|    |        |      |      |      |      |        |        |        |        |
|----|--------|------|------|------|------|--------|--------|--------|--------|
| 72 | 20.051 | 2950 | 2952 | 2959 | rVB7 | 7153   | 10590  | 0.61%  | 0.104% |
| 73 | 20.209 | 2977 | 2979 | 2980 | rBV2 | 6218   | 5308   | 0.31%  | 0.052% |
| 74 | 20.974 | 3106 | 3109 | 3113 | rBV5 | 24218  | 40997  | 2.37%  | 0.403% |
| 75 | 21.250 | 3151 | 3156 | 3161 | rBV  | 688420 | 932972 | 53.83% | 9.178% |
| 76 | 23.339 | 3506 | 3511 | 3516 | rVB2 | 309513 | 549588 | 31.71% | 5.407% |
| 77 | 23.480 | 3530 | 3535 | 3542 | rVB  | 522741 | 929007 | 53.60% | 9.139% |

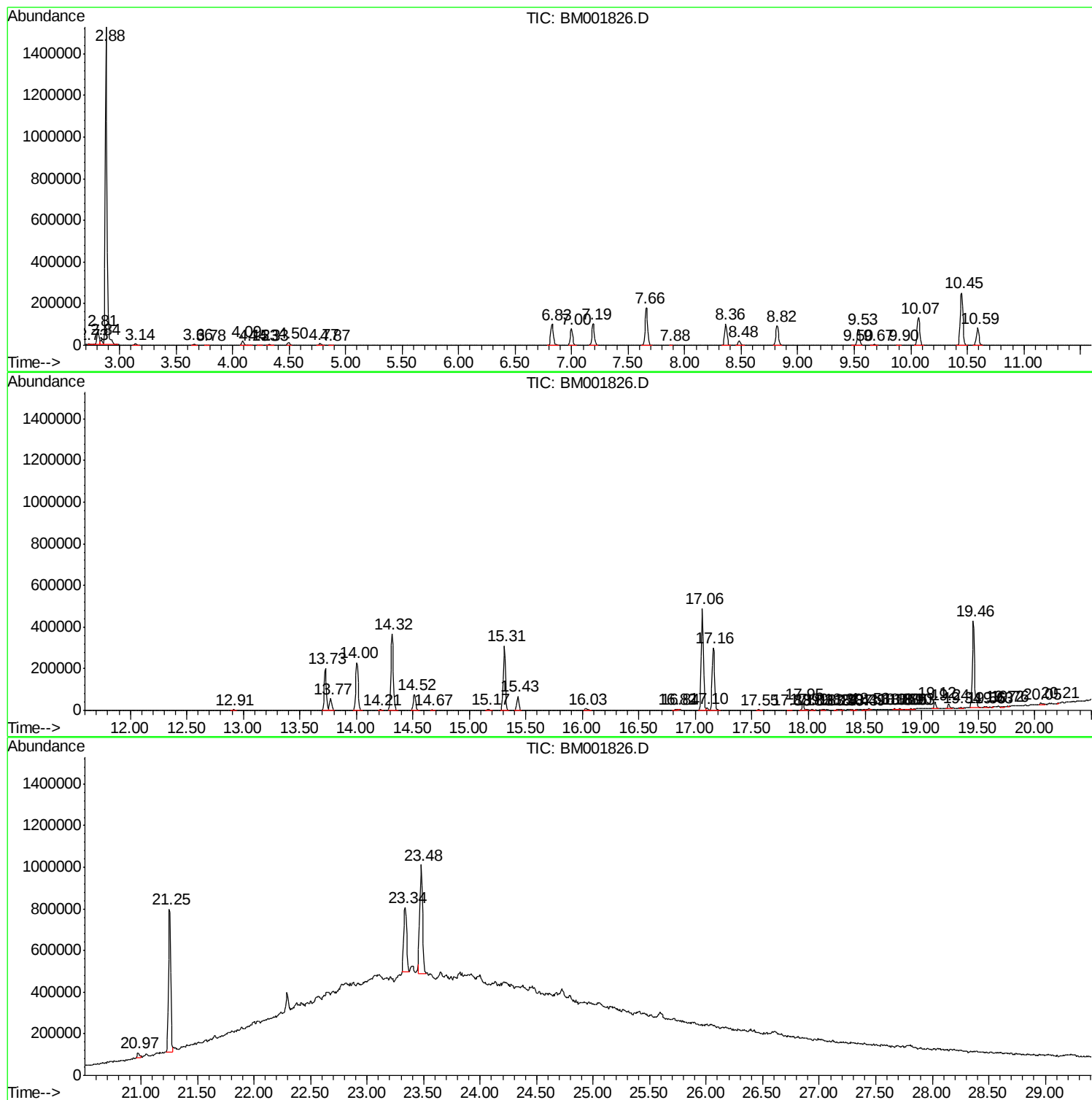
Sum of corrected areas: 10165270

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Instrument :  
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Quant Method : Z:\HPCHEM1\BNA\_M\METHODS\SOM02.2-EPA-BM061515.M  
Quant Title : SVOA CALIBRATION

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



Data Path : Z:\HPCHEM1\BNA\_M\DATA\BM070215\  
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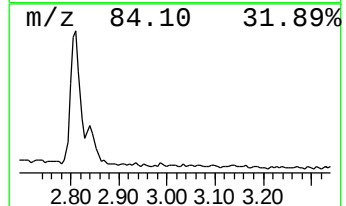
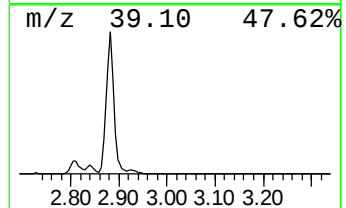
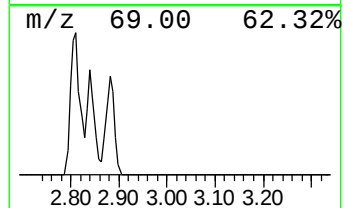
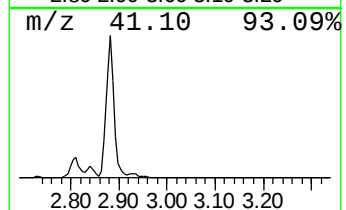
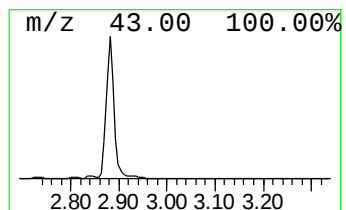
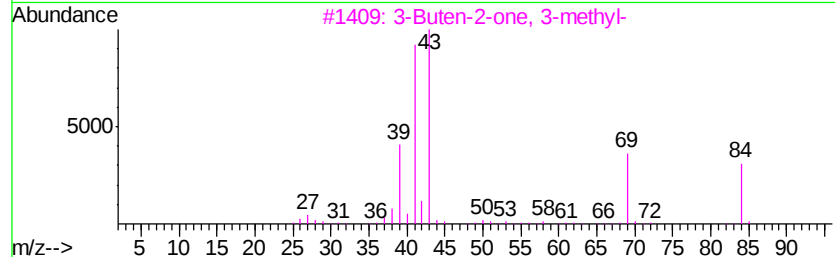
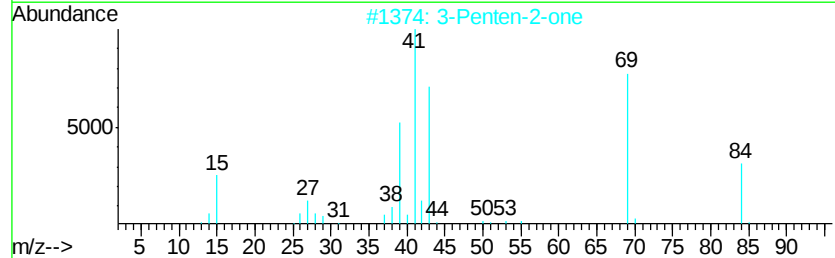
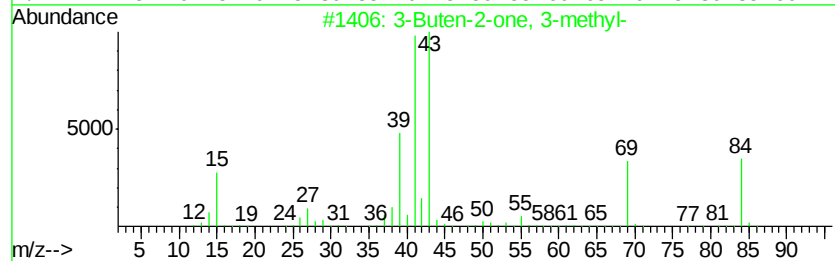
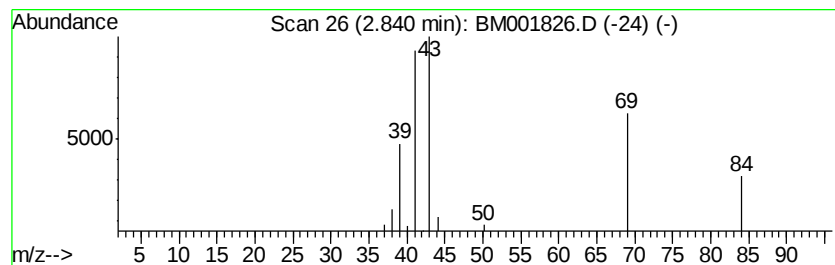
Quant Method : Z:\HPCHEM1\BNA\_M\METHODS\SOM02.2-EPA-BM061515.M  
Quant Title : SVOA CALIBRATION

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

\*\*\*\*\*  
Peak Number 2 3-Buten-2-one, 3-methyl- Concentration Rank 3

| R.T. | EstConc    | Area  | Relative to ISTD       | R.T. |
|------|------------|-------|------------------------|------|
| 2.84 | 2.07 ng/ul | 29281 | 1,4-Dichlorobenzene-d4 | 7.66 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm | CAS#        | Qual |
|------|----|---|-------------------------------------|-----|---------|-------------|------|
| 1    |    |   | 3-Buten-2-one, 3-methyl-            | 84  | C5H8O   | 000814-78-8 | 78   |
| 2    |    |   | 3-Penten-2-one                      | 84  | C5H8O   | 000625-33-2 | 72   |
| 3    |    |   | 3-Buten-2-one, 3-methyl-            | 84  | C5H8O   | 000814-78-8 | 72   |
| 4    |    |   | Cyclopropanecarboxylic acid chlo... | 104 | C4H5ClO | 004023-34-1 | 25   |
| 5    |    |   | Ethanone, 1-cyclopropyl-            | 84  | C5H8O   | 000765-43-5 | 25   |



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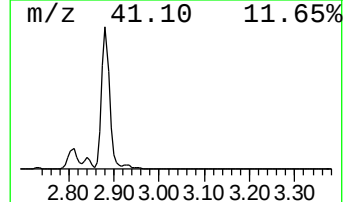
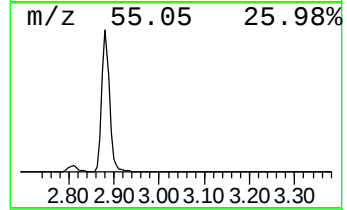
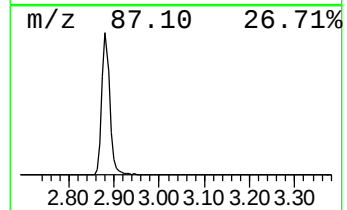
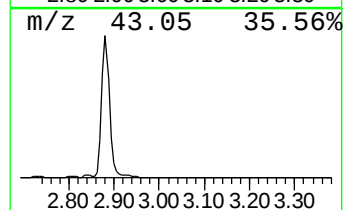
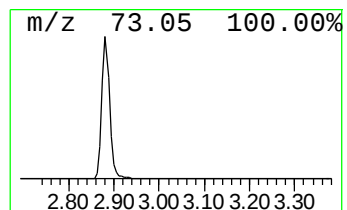
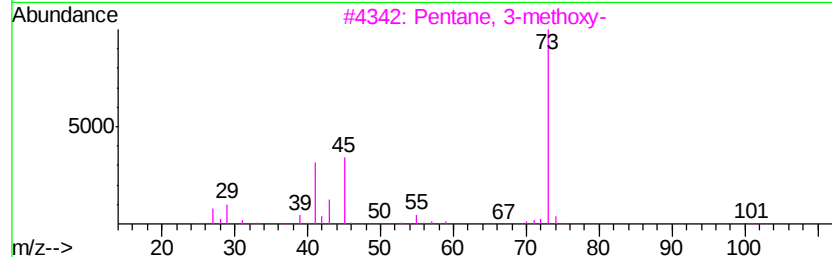
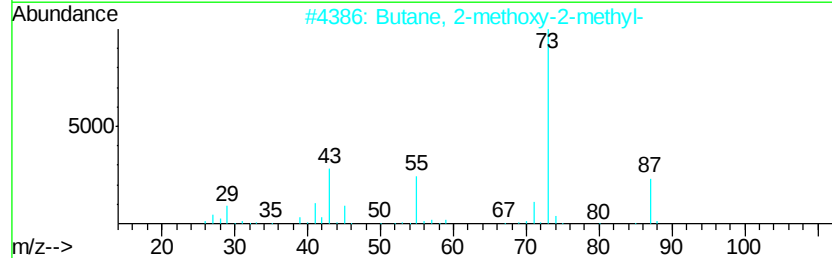
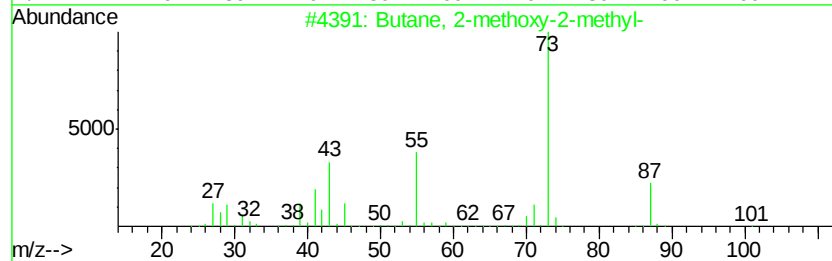
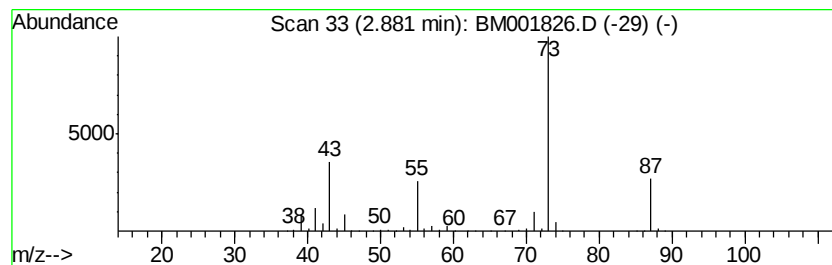
Quant Method : Z:\HPCHEM1\BNA\_M\METHODS\SOM02.2-EPA-BM061515.M  
Quant Title : SVOA CALIBRATION

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

\*\*\*\*\*  
Peak Number 3 Butane, 2-methoxy-2-methyl- Concentration Rank 1

| R.T. | EstConc      | Area    | Relative to ISTD       | R.T. |
|------|--------------|---------|------------------------|------|
| 2.88 | 122.44 ng/ul | 1733320 | 1,4-Dichlorobenzene-d4 | 7.66 |

| Hit# | of | Tentative ID                | MW  | MolForm | CAS#        | Qual |
|------|----|-----------------------------|-----|---------|-------------|------|
| 1    | 5  | Butane, 2-methoxy-2-methyl- | 102 | C6H14O  | 000994-05-8 | 83   |
| 2    |    | Butane, 2-methoxy-2-methyl- | 102 | C6H14O  | 000994-05-8 | 78   |
| 3    |    | Pentane, 3-methoxy-         | 102 | C6H14O  | 036839-67-5 | 23   |
| 4    |    | Acetamide, N-ethyl-         | 87  | C4H9NO  | 000625-50-3 | 22   |
| 5    |    | N-Ethylformamide            | 73  | C3H7NO  | 000627-45-2 | 9    |



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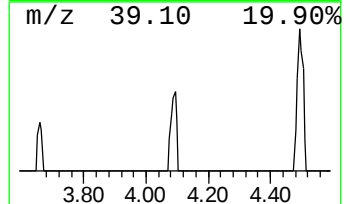
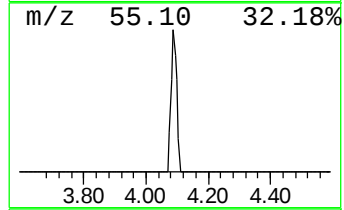
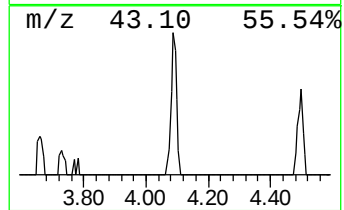
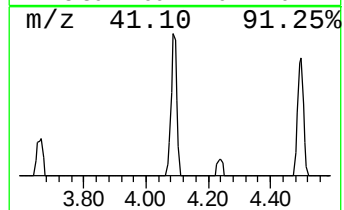
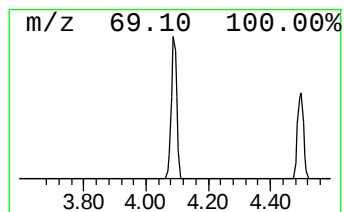
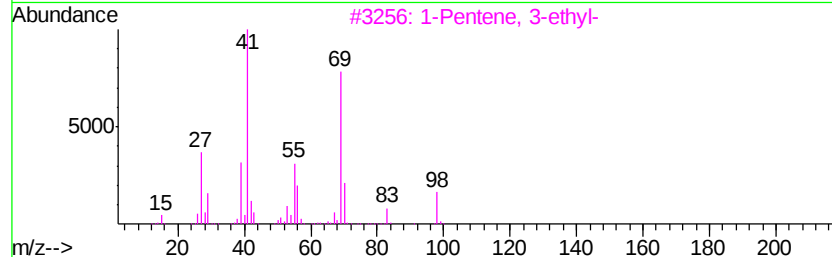
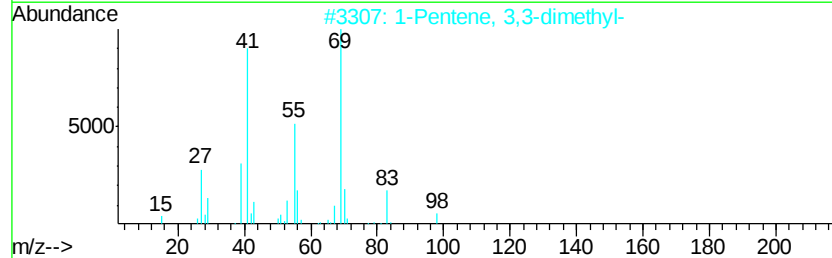
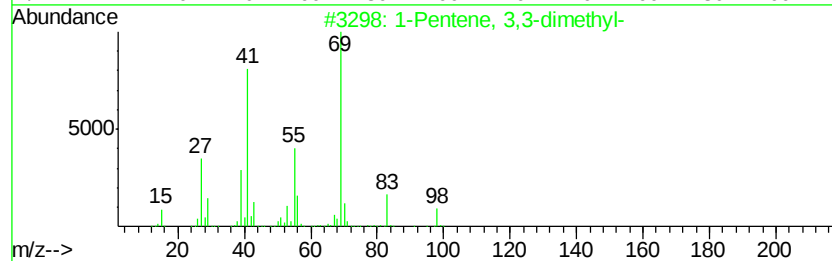
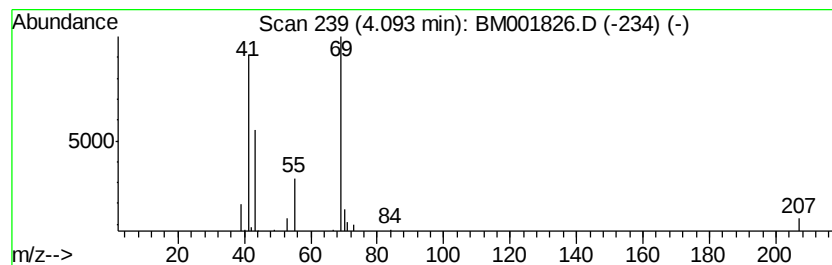
Quant Method : Z:\HPCHEM1\BNA\_M\METHODS\SOM02.2-EPA-BM061515.M  
Quant Title : SVOA CALIBRATION

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

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Peak Number 4 (DEL) Alkane: Cyclic4.09 Concentration Rank 4

| R.T. | EstConc    | Area  | Relative to ISTD       | R.T. |
|------|------------|-------|------------------------|------|
| 4.09 | 2.02 ng/ul | 28611 | 1,4-Dichlorobenzene-d4 | 7.66 |

| Hit# | of | 5 | Tentative ID             | MW  | MolForm | CAS#        | Qual |
|------|----|---|--------------------------|-----|---------|-------------|------|
| 1    |    |   | 1-Pentene, 3,3-dimethyl- | 98  | C7H14   | 003404-73-7 | 50   |
| 2    |    |   | 1-Pentene, 3,3-dimethyl- | 98  | C7H14   | 003404-73-7 | 50   |
| 3    |    |   | 1-Pentene, 3-ethyl-      | 98  | C7H14   | 004038-04-4 | 38   |
| 4    |    |   | 1-Pentene, 2,3-dimethyl- | 98  | C7H14   | 003404-72-6 | 38   |
| 5    |    |   | 2,4,6-Trimethyl-1-nonene | 168 | C12H24  | 055771-40-9 | 22   |



Data Path : Z:\HPCHEM1\BNA\_M\DATA\BM070215\  
Data File : BM001826.D  
Acq On : 02 Jul 2015 19:21  
Operator : TP/UM  
Sample : G2860-01  
Misc :  
ALS Vial : 12 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
G93H8

Quant Method : Z:\HPCHEM1\BNA\_M\METHODS\SOM02.2-EPA-BM061515.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 |
| 3-Buten-2-one, 3-... | 2.84 | 2.1     | ng/ul | 29281    | 1                     | 7.66 | 283122 | 20.0 |
| Butane, 2-methoxy... | 2.88 | 122.4   | ng/ul | 1733320  | 1                     | 7.66 | 283122 | 20.0 |
| (DEL) Alkane: Cyc... | 4.09 | 2.0     | ng/ul | 28611    | 1                     | 7.66 | 283122 | 20.0 |