

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM061319\  
 Data File : BM020930.D  
 Acq On : 13 Jun 2019 15:36  
 Operator : HP/JU  
 Sample : K3215-06DL 5X  
 Misc :  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 DB8J0DL

## 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:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM060619MA.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         | 3.040       | 6             | 9           | 19           | rVB      | 224241         | 310601        | 8.21%           | 0.849%        |
| 2         | 3.269       | 44            | 48          | 61           | rVB      | 195249         | 289647        | 7.66%           | 0.792%        |
| 3         | 4.022       | 174           | 176         | 182          | rVB4     | 13405          | 18525         | 0.49%           | 0.051%        |
| 4         | 4.281       | 217           | 220         | 225          | rVB2     | 25150          | 30767         | 0.81%           | 0.084%        |
| 5         | 4.540       | 259           | 264         | 274          | rVB      | 319262         | 470143        | 12.43%          | 1.285%        |
| 6         | 4.881       | 320           | 322         | 327          | rVB3     | 9534           | 11921         | 0.32%           | 0.033%        |
| 7         | 5.140       | 360           | 366         | 377          | rVB      | 193488         | 294816        | 7.80%           | 0.806%        |
| 8         | 5.822       | 477           | 482         | 486          | rBV2     | 15425          | 25987         | 0.69%           | 0.071%        |
| 9         | 6.292       | 558           | 562         | 567          | rVB      | 37235          | 50072         | 1.32%           | 0.137%        |
| 10        | 6.781       | 640           | 645         | 655          | rVB      | 33927          | 56482         | 1.49%           | 0.154%        |
| 11        | 6.887       | 660           | 663         | 667          | rVV2     | 14588          | 22517         | 0.60%           | 0.062%        |
| 12        | 6.969       | 670           | 677         | 683          | rVV      | 73333          | 137959        | 3.65%           | 0.377%        |
| 13        | 7.016       | 683           | 685         | 692          | rVB4     | 10366          | 16529         | 0.44%           | 0.045%        |
| 14        | 7.139       | 699           | 706         | 711          | rBV      | 222299         | 337601        | 8.93%           | 0.923%        |
| 15        | 7.186       | 711           | 714         | 717          | rVV2     | 35271          | 52501         | 1.39%           | 0.143%        |
| 16        | 7.222       | 717           | 720         | 727          | rVB3     | 34991          | 54160         | 1.43%           | 0.148%        |
| 17        | 7.334       | 732           | 739         | 747          | rBV      | 255555         | 408676        | 10.81%          | 1.117%        |
| 18        | 7.445       | 752           | 758         | 764          | rVB      | 27161          | 47600         | 1.26%           | 0.130%        |
| 19        | 7.669       | 790           | 796         | 797          | rBV3     | 9010           | 11866         | 0.31%           | 0.032%        |
| 20        | 7.686       | 797           | 799         | 805          | rVB6     | 11054          | 18976         | 0.50%           | 0.052%        |
| 21        | 7.804       | 812           | 819         | 831          | rBV      | 969123         | 1681867       | 44.48%          | 4.596%        |
| 22        | 7.910       | 831           | 837         | 843          | rBV4     | 19458          | 34834         | 0.92%           | 0.095%        |
| 23        | 8.039       | 852           | 859         | 865          | rBV      | 101091         | 160634        | 4.25%           | 0.439%        |
| 24        | 8.163       | 873           | 880         | 886          | rBV2     | 67205          | 149817        | 3.96%           | 0.409%        |
| 25        | 8.233       | 886           | 892         | 898          | rVV      | 100407         | 170251        | 4.50%           | 0.465%        |
| 26        | 8.281       | 898           | 900         | 905          | rVV3     | 10169          | 13172         | 0.35%           | 0.036%        |
| 27        | 8.433       | 922           | 926         | 931          | rBV6     | 14347          | 22551         | 0.60%           | 0.062%        |
| 28        | 8.504       | 931           | 938         | 946          | rVV      | 191890         | 318257        | 8.42%           | 0.870%        |
| 29        | 8.598       | 948           | 954         | 962          | rVB5     | 20450          | 40532         | 1.07%           | 0.111%        |
| 30        | 8.798       | 982           | 988         | 990          | rBV6     | 9640           | 16478         | 0.44%           | 0.045%        |
| 31        | 8.898       | 1000          | 1005        | 1010         | rBV2     | 59953          | 103217        | 2.73%           | 0.282%        |
| 32        | 8.963       | 1010          | 1016        | 1023         | rVB      | 261956         | 430824        | 11.39%          | 1.177%        |
| 33        | 9.228       | 1055          | 1061        | 1062         | rBV6     | 7525           | 11963         | 0.32%           | 0.033%        |
| 34        | 9.386       | 1085          | 1088        | 1093         | rVB5     | 14853          | 21866         | 0.58%           | 0.060%        |

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 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:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM060619MA.M  
 Title : SVOA CALIBRATION

|    |        |      |      |      |      |         |         |        |        |
|----|--------|------|------|------|------|---------|---------|--------|--------|
| 35 | 9.486  | 1098 | 1105 | 1107 | rBV6 | 7723    | 15653   | 0.41%  | 0.043% |
| 36 | 9.528  | 1107 | 1112 | 1117 | rBV  | 23021   | 49151   | 1.30%  | 0.134% |
| 37 | 9.680  | 1128 | 1138 | 1145 | rBV2 | 200570  | 380561  | 10.06% | 1.040% |
| 38 | 9.845  | 1160 | 1166 | 1170 | rBV5 | 10748   | 17129   | 0.45%  | 0.047% |
| 39 | 9.886  | 1170 | 1173 | 1179 | rVB3 | 13266   | 20610   | 0.55%  | 0.056% |
| 40 | 9.945  | 1179 | 1183 | 1187 | rBV6 | 6877    | 11908   | 0.31%  | 0.033% |
| 41 | 9.992  | 1187 | 1191 | 1193 | rVV5 | 11638   | 15702   | 0.42%  | 0.043% |
| 42 | 10.027 | 1195 | 1197 | 1203 | rVV7 | 12561   | 16973   | 0.45%  | 0.046% |
| 43 | 10.127 | 1209 | 1214 | 1218 | rVV4 | 13859   | 29332   | 0.78%  | 0.080% |
| 44 | 10.210 | 1220 | 1228 | 1235 | rVV  | 337359  | 607735  | 16.07% | 1.661% |
| 45 | 10.280 | 1235 | 1240 | 1247 | rVB4 | 72575   | 160500  | 4.24%  | 0.439% |
| 46 | 10.463 | 1265 | 1271 | 1274 | rVV4 | 25783   | 51850   | 1.37%  | 0.142% |
| 47 | 10.522 | 1278 | 1281 | 1286 | rVB3 | 12804   | 19844   | 0.52%  | 0.054% |
| 48 | 10.592 | 1286 | 1293 | 1300 | rBV  | 1300050 | 2179494 | 57.64% | 5.956% |
| 49 | 10.639 | 1300 | 1301 | 1307 | rVB  | 20397   | 22876   | 0.60%  | 0.063% |
| 50 | 10.722 | 1312 | 1315 | 1327 | rVB8 | 11861   | 30054   | 0.79%  | 0.082% |
| 51 | 10.816 | 1327 | 1331 | 1333 | rBV3 | 27020   | 39316   | 1.04%  | 0.107% |
| 52 | 10.927 | 1346 | 1350 | 1352 | rBV4 | 11796   | 16828   | 0.45%  | 0.046% |
| 53 | 11.045 | 1364 | 1370 | 1376 | rVB8 | 10366   | 19187   | 0.51%  | 0.052% |
| 54 | 11.486 | 1437 | 1445 | 1451 | rBV3 | 53970   | 109540  | 2.90%  | 0.299% |
| 55 | 11.533 | 1451 | 1453 | 1457 | rVV5 | 9639    | 16623   | 0.44%  | 0.045% |
| 56 | 11.733 | 1484 | 1487 | 1491 | rVV6 | 8469    | 13222   | 0.35%  | 0.036% |
| 57 | 12.004 | 1528 | 1533 | 1537 | rVV6 | 13492   | 23957   | 0.63%  | 0.065% |
| 58 | 12.133 | 1550 | 1555 | 1560 | rBV7 | 14082   | 32134   | 0.85%  | 0.088% |
| 59 | 12.186 | 1560 | 1564 | 1569 | rVV7 | 7690    | 12807   | 0.34%  | 0.035% |
| 60 | 12.251 | 1569 | 1575 | 1581 | rVB5 | 6903    | 13566   | 0.36%  | 0.037% |
| 61 | 12.416 | 1598 | 1603 | 1610 | rBV5 | 23139   | 34931   | 0.92%  | 0.095% |
| 62 | 12.551 | 1620 | 1626 | 1630 | rVV6 | 12355   | 19740   | 0.52%  | 0.054% |
| 63 | 12.692 | 1645 | 1650 | 1654 | rBV6 | 8096    | 12808   | 0.34%  | 0.035% |
| 64 | 12.868 | 1674 | 1680 | 1687 | rVB  | 47560   | 77678   | 2.05%  | 0.212% |
| 65 | 12.939 | 1687 | 1692 | 1700 | rBV2 | 69334   | 123750  | 3.27%  | 0.338% |
| 66 | 13.145 | 1720 | 1727 | 1735 | rBV3 | 40730   | 83674   | 2.21%  | 0.229% |
| 67 | 13.251 | 1741 | 1745 | 1752 | rVB7 | 13463   | 26954   | 0.71%  | 0.074% |
| 68 | 13.457 | 1773 | 1780 | 1789 | rVB6 | 24259   | 57075   | 1.51%  | 0.156% |
| 69 | 13.645 | 1807 | 1812 | 1816 | rVB7 | 6368    | 13476   | 0.36%  | 0.037% |
| 70 | 13.851 | 1841 | 1847 | 1860 | rVB  | 618247  | 863239  | 22.83% | 2.359% |
| 71 | 14.045 | 1875 | 1880 | 1885 | rVV7 | 12031   | 19993   | 0.53%  | 0.055% |

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 DB8J0DL

## Integration Parameters: LSCINT.P

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 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:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM060619MA.M  
 Title : SVOA CALIBRATION

|     |        |      |      |      |      |         |         |         |         |
|-----|--------|------|------|------|------|---------|---------|---------|---------|
| 72  | 14.133 | 1888 | 1895 | 1903 | rBV  | 685238  | 1019308 | 26.96%  | 2.786%  |
| 73  | 14.439 | 1939 | 1947 | 1956 | rVB2 | 1862393 | 2790723 | 73.80%  | 7.626%  |
| 74  | 14.651 | 1972 | 1983 | 1987 | rBV8 | 38682   | 84015   | 2.22%   | 0.230%  |
| 75  | 14.751 | 1992 | 2000 | 2006 | rVV2 | 61522   | 95522   | 2.53%   | 0.261%  |
| 76  | 14.898 | 2019 | 2025 | 2031 | rBV6 | 9406    | 21804   | 0.58%   | 0.060%  |
| 77  | 14.951 | 2031 | 2034 | 2036 | rBV3 | 24064   | 30001   | 0.79%   | 0.082%  |
| 78  | 14.986 | 2036 | 2040 | 2042 | rVV2 | 24283   | 32884   | 0.87%   | 0.090%  |
| 79  | 15.027 | 2042 | 2047 | 2050 | rVV  | 85079   | 134873  | 3.57%   | 0.369%  |
| 80  | 15.062 | 2050 | 2053 | 2059 | rVB  | 185029  | 251540  | 6.65%   | 0.687%  |
| 81  | 15.227 | 2077 | 2081 | 2085 | rVV2 | 12550   | 19188   | 0.51%   | 0.052%  |
| 82  | 15.298 | 2089 | 2093 | 2098 | rVB8 | 7072    | 12471   | 0.33%   | 0.034%  |
| 83  | 15.433 | 2109 | 2116 | 2126 | rVB  | 921647  | 1339228 | 35.42%  | 3.660%  |
| 84  | 15.568 | 2132 | 2139 | 2145 | rBV  | 349965  | 580251  | 15.34%  | 1.586%  |
| 85  | 15.615 | 2145 | 2147 | 2153 | rVV3 | 22845   | 33232   | 0.88%   | 0.091%  |
| 86  | 15.680 | 2153 | 2158 | 2166 | rVB6 | 16781   | 32656   | 0.86%   | 0.089%  |
| 87  | 16.256 | 2251 | 2256 | 2261 | rBV2 | 70627   | 100539  | 2.66%   | 0.275%  |
| 88  | 16.404 | 2276 | 2281 | 2286 | rVB5 | 44299   | 63547   | 1.68%   | 0.174%  |
| 89  | 16.833 | 2348 | 2354 | 2368 | rBV  | 2290868 | 3297250 | 87.19%  | 9.011%  |
| 90  | 16.939 | 2368 | 2372 | 2376 | rVB5 | 34887   | 51112   | 1.35%   | 0.140%  |
| 91  | 17.186 | 2407 | 2414 | 2421 | rVV  | 2338773 | 3276113 | 86.64%  | 8.953%  |
| 92  | 17.286 | 2425 | 2431 | 2436 | rVV  | 949335  | 1359753 | 35.96%  | 3.716%  |
| 93  | 17.339 | 2436 | 2440 | 2447 | rVB2 | 85141   | 116186  | 3.07%   | 0.318%  |
| 94  | 17.539 | 2470 | 2474 | 2481 | rVV  | 48005   | 70841   | 1.87%   | 0.194%  |
| 95  | 18.068 | 2561 | 2564 | 2569 | rBV7 | 10298   | 13868   | 0.37%   | 0.038%  |
| 96  | 19.215 | 2755 | 2759 | 2761 | rBV2 | 13639   | 16110   | 0.43%   | 0.044%  |
| 97  | 19.574 | 2815 | 2820 | 2827 | rBV  | 1147757 | 1581692 | 41.83%  | 4.322%  |
| 98  | 21.368 | 3120 | 3125 | 3131 | rBV  | 2830849 | 3613242 | 95.55%  | 9.874%  |
| 99  | 23.503 | 3482 | 3488 | 3499 | rVB  | 861854  | 1669810 | 44.16%  | 4.563%  |
| 100 | 23.650 | 3506 | 3513 | 3523 | rVB2 | 1960848 | 3781485 | 100.00% | 10.334% |

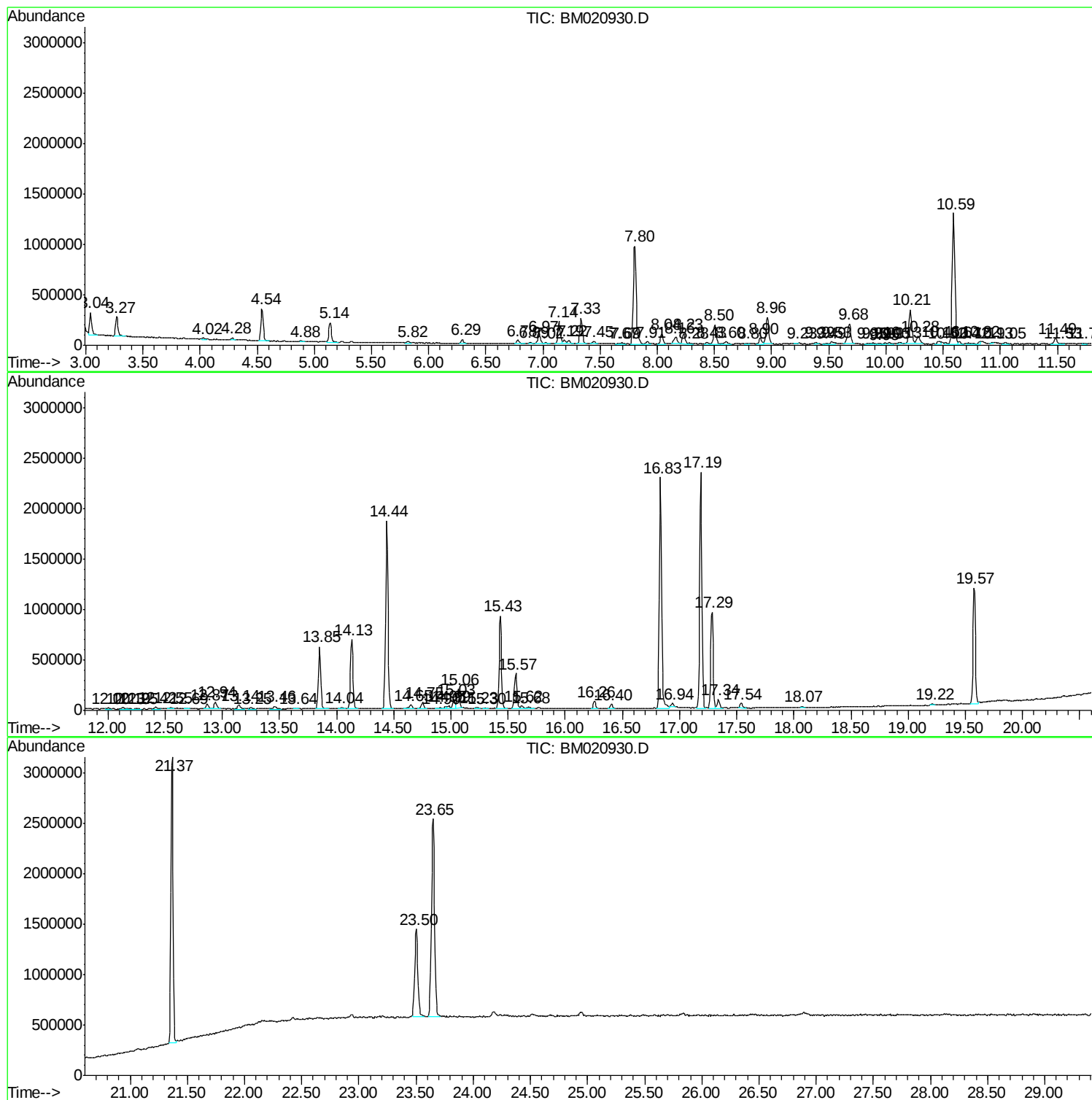
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM060619MA.M  
Quant Title : SVOA CALIBRATION

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



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM061319\  
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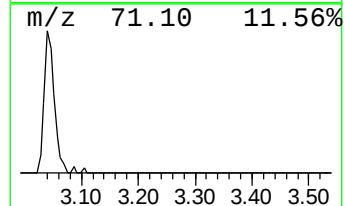
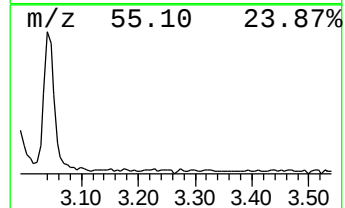
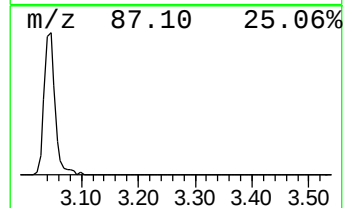
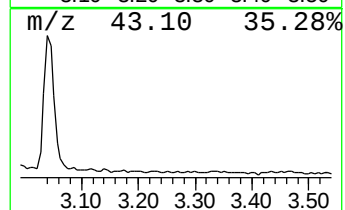
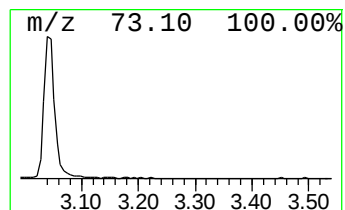
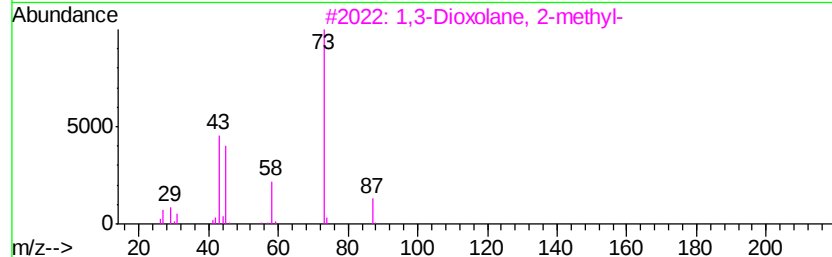
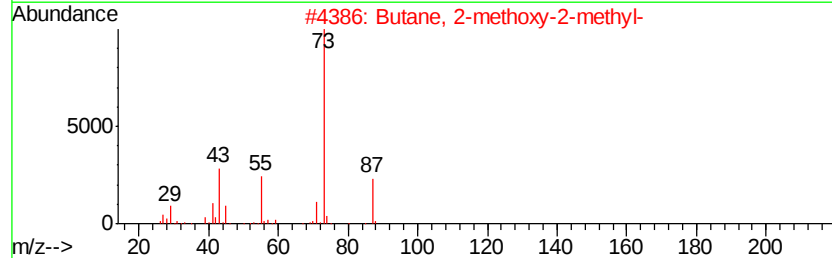
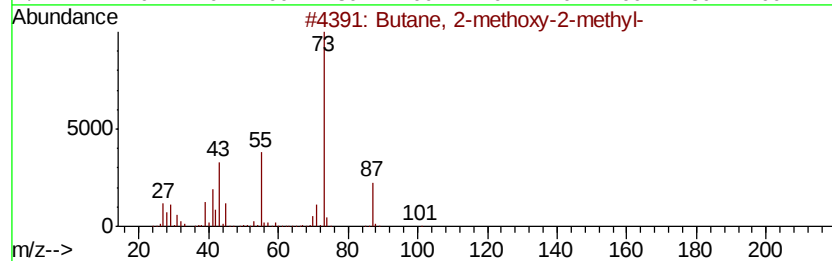
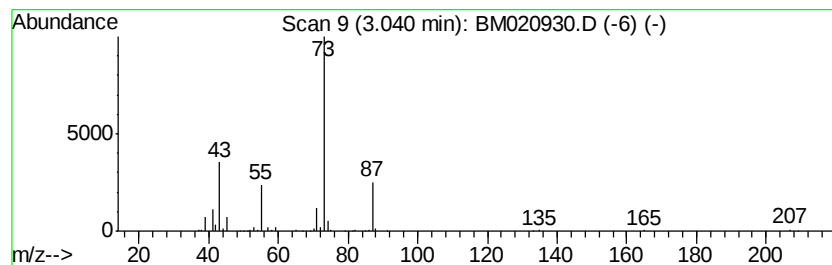
Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM060619MA.M  
Quant Title : SVOA CALIBRATION

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

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

| R.T. | EstConc    | Area   | Relative to ISTD       | R.T. |
|------|------------|--------|------------------------|------|
| 3.04 | 3.69 ng/ul | 310601 | 1,4-Dichlorobenzene-d4 | 7.80 |

| 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 | 78   |
| 3    |    | 1,3-Dioxolane, 2-methyl-    | 88  | C4H8O2  | 000497-26-7 | 23   |
| 4    |    | Pentane, 3-methoxy-         | 102 | C6H14O  | 036839-67-5 | 17   |
| 5    |    | Silane, tetramethyl-        | 88  | C4H12Si | 000075-76-3 | 12   |



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Quant Title : SVOA CALIBRATION

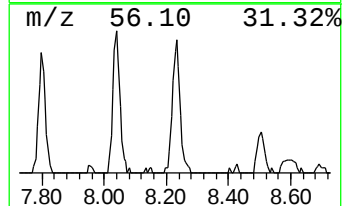
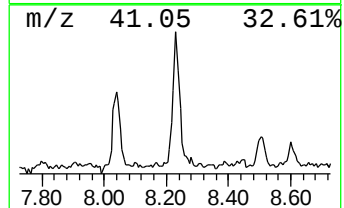
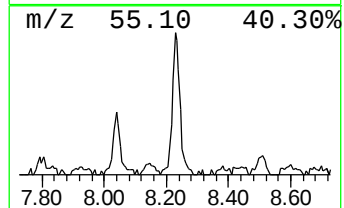
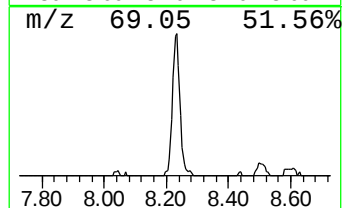
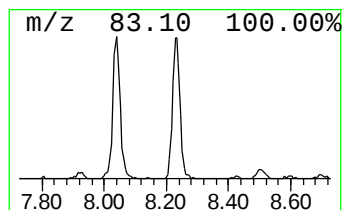
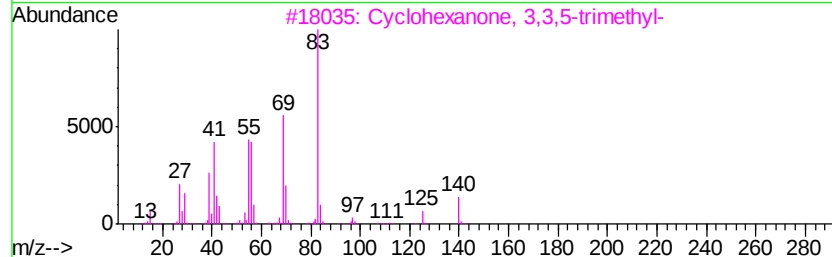
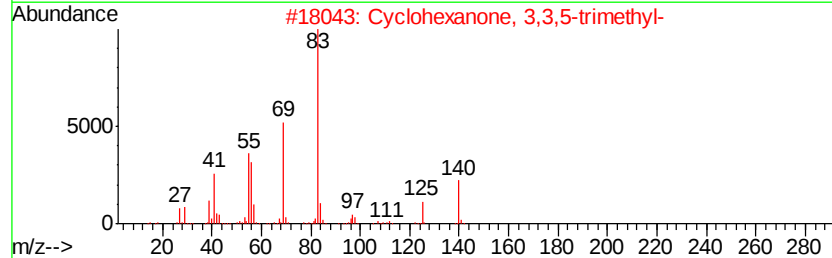
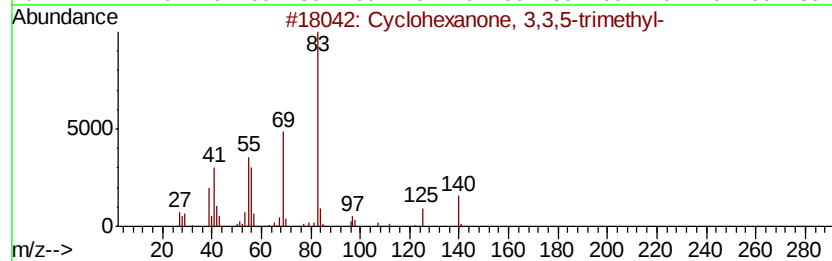
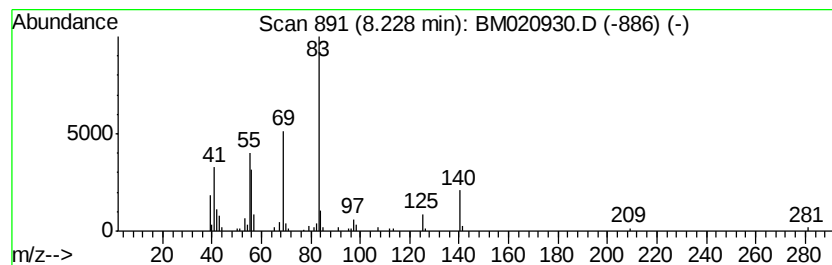
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 5 Cyclohexanone, 3,3,5-trimet... Concentration Rank 5

| R.T. | EstConc    | Area   | Relative to ISTD       | R.T. |
|------|------------|--------|------------------------|------|
| 8.23 | 2.02 ng/ul | 170251 | 1,4-Dichlorobenzene-d4 | 7.80 |

| Hit# | of | Tentative ID                    | MW  | MolForm | CAS#        | Qual |
|------|----|---------------------------------|-----|---------|-------------|------|
| 1    | 5  | Cyclohexanone, 3,3,5-trimethyl- | 140 | C9H16O  | 000873-94-9 | 91   |
| 2    |    | Cyclohexanone, 3,3,5-trimethyl- | 140 | C9H16O  | 000873-94-9 | 91   |
| 3    |    | Cyclohexanone, 3,3,5-trimethyl- | 140 | C9H16O  | 000873-94-9 | 91   |
| 4    |    | Cyclohexanone, 3,3,5-trimethyl- | 140 | C9H16O  | 000873-94-9 | 83   |
| 5    |    | Cyclohexane, decyl-             | 224 | C16H32  | 001795-16-0 | 53   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA\_M\DATA\BM061319\  
Data File : BM020930.D  
Acq On : 13 Jun 2019 15:36  
Operator : HP/JU  
Sample : K3215-06DL 5X  
Misc :  
ALS Vial : 8 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
DB8J0DL

Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM060619MA.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... | 3.04 | 3.7     | ng/ul | 310601   | 1                     | 7.80 | 1681870 | 20.0 |
| Cyclohexanone, 3,... | 8.23 | 2.0     | ng/ul | 170251   | 1                     | 7.80 | 1681870 | 20.0 |