

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG100919\  
 Data File : BG043131.D  
 Acq On : 10 Oct 2019 10:59  
 Operator : JU  
 Sample : K5097-14  
 Misc :  
 ALS Vial : 28 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 JLMF1

## 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\_G\METHODS\SOM-EPA-BG100919MA.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      | 3.158    | 7          | 12       | 21        | rBV   | 90686       | 164623     | 9.33%        | 0.998%     |
| 2      | 3.235    | 21         | 25       | 36        | rVB   | 108652      | 164461     | 9.32%        | 0.997%     |
| 3      | 3.499    | 67         | 70       | 77        | rVB3  | 10649       | 14087      | 0.80%        | 0.085%     |
| 4      | 3.746    | 111        | 112      | 115       | rBV2  | 2351        | 2592       | 0.15%        | 0.016%     |
| 5      | 4.140    | 177        | 179      | 185       | rVB4  | 2103        | 3840       | 0.22%        | 0.023%     |
| 6      | 4.933    | 310        | 314      | 315       | rBV2  | 2126        | 2293       | 0.13%        | 0.014%     |
| 7      | 5.779    | 455        | 458      | 460       | rVB2  | 2556        | 2720       | 0.15%        | 0.016%     |
| 8      | 7.224    | 697        | 704      | 720       | rBV2  | 138692      | 341823     | 19.37%       | 2.071%     |
| 9      | 7.377    | 724        | 730      | 743       | rVV   | 112015      | 211652     | 11.99%       | 1.283%     |
| 10     | 7.588    | 760        | 766      | 780       | rBV   | 166413      | 323210     | 18.31%       | 1.959%     |
| 11     | 8.053    | 838        | 845      | 855       | rBV   | 145329      | 270547     | 15.33%       | 1.640%     |
| 12     | 8.764    | 959        | 966      | 982       | rBV2  | 170702      | 402299     | 22.79%       | 2.438%     |
| 13     | 9.216    | 1034       | 1043     | 1059      | rBV   | 160467      | 331246     | 18.77%       | 2.007%     |
| 14     | 9.322    | 1059       | 1061     | 1066      | rVB   | 2422        | 2963       | 0.17%        | 0.018%     |
| 15     | 9.633    | 1113       | 1114     | 1121      | rVB3  | 2999        | 4202       | 0.24%        | 0.025%     |
| 16     | 9.939    | 1159       | 1166     | 1179      | rBV2  | 137827      | 294623     | 16.69%       | 1.785%     |
| 17     | 10.485   | 1251       | 1259     | 1276      | rBV   | 186565      | 426758     | 24.18%       | 2.586%     |
| 18     | 10.861   | 1313       | 1323     | 1333      | rBV   | 213387      | 408127     | 23.12%       | 2.473%     |
| 19     | 10.996   | 1339       | 1346     | 1355      | rBV   | 159825      | 375348     | 21.26%       | 2.275%     |
| 20     | 12.442   | 1589       | 1592     | 1594      | rBV2  | 2348        | 2496       | 0.14%        | 0.015%     |
| 21     | 14.075   | 1862       | 1870     | 1875      | rBV   | 507660      | 790005     | 44.76%       | 4.787%     |
| 22     | 14.122   | 1875       | 1878     | 1888      | rVB   | 160191      | 254920     | 14.44%       | 1.545%     |
| 23     | 14.369   | 1913       | 1920     | 1937      | rBV   | 539105      | 929629     | 52.67%       | 5.634%     |
| 24     | 14.674   | 1966       | 1972     | 1985      | rBV   | 386905      | 639826     | 36.25%       | 3.877%     |
| 25     | 14.892   | 2003       | 2009     | 2031      | rBV3  | 53724       | 232783     | 13.19%       | 1.411%     |
| 26     | 15.268   | 2071       | 2073     | 2077      | rVB4  | 2727        | 2539       | 0.14%        | 0.015%     |
| 27     | 15.515   | 2112       | 2115     | 2119      | rVB5  | 2854        | 3907       | 0.22%        | 0.024%     |
| 28     | 15.667   | 2134       | 2141     | 2154      | rBV   | 708002      | 1190144    | 67.42%       | 7.212%     |
| 29     | 15.779   | 2154       | 2160     | 2169      | rVB   | 168077      | 281231     | 15.93%       | 1.704%     |
| 30     | 15.908   | 2178       | 2182     | 2186      | rVB2  | 10321       | 14722      | 0.83%        | 0.089%     |
| 31     | 16.073   | 2208       | 2210     | 2215      | rBV2  | 2000        | 2521       | 0.14%        | 0.015%     |
| 32     | 16.337   | 2251       | 2255     | 2257      | rBV3  | 2272        | 2576       | 0.15%        | 0.016%     |
| 33     | 16.455   | 2270       | 2275     | 2277      | rBV3  | 3402        | 4976       | 0.28%        | 0.030%     |
| 34     | 16.654   | 2306       | 2309     | 2314      | rBV   | 1988        | 3154       | 0.18%        | 0.019%     |

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|    |        |      |      |      |      |         |         |         |         |
|----|--------|------|------|------|------|---------|---------|---------|---------|
| 35 | 17.101 | 2381 | 2385 | 2387 | rVB2 | 2237    | 2519    | 0.14%   | 0.015%  |
| 36 | 17.218 | 2404 | 2405 | 2410 | rVB2 | 2713    | 2233    | 0.13%   | 0.014%  |
| 37 | 17.336 | 2422 | 2425 | 2432 | rBV2 | 1711    | 2738    | 0.16%   | 0.017%  |
| 38 | 17.418 | 2432 | 2439 | 2449 | rBV2 | 532250  | 863628  | 48.93%  | 5.234%  |
| 39 | 17.518 | 2449 | 2456 | 2470 | rVV  | 796167  | 1348796 | 76.41%  | 8.174%  |
| 40 | 18.311 | 2587 | 2591 | 2596 | rBV5 | 24987   | 53493   | 3.03%   | 0.324%  |
| 41 | 18.734 | 2658 | 2663 | 2666 | rBV5 | 5229    | 7117    | 0.40%   | 0.043%  |
| 42 | 19.222 | 2743 | 2746 | 2749 | rBV4 | 3614    | 4782    | 0.27%   | 0.029%  |
| 43 | 19.310 | 2758 | 2761 | 2763 | rBV4 | 2777    | 2901    | 0.16%   | 0.018%  |
| 44 | 19.439 | 2779 | 2783 | 2788 | rBV3 | 9726    | 15075   | 0.85%   | 0.091%  |
| 45 | 19.692 | 2821 | 2826 | 2833 | rBV  | 7569    | 14373   | 0.81%   | 0.087%  |
| 46 | 19.804 | 2838 | 2845 | 2859 | rBV  | 1107536 | 1719618 | 97.42%  | 10.421% |
| 47 | 20.556 | 2971 | 2973 | 2976 | rBV4 | 4551    | 3953    | 0.22%   | 0.024%  |
| 48 | 20.826 | 3017 | 3019 | 3024 | rVB5 | 12704   | 11855   | 0.67%   | 0.072%  |
| 49 | 21.331 | 3101 | 3105 | 3111 | rBV2 | 75580   | 142164  | 8.05%   | 0.862%  |
| 50 | 21.578 | 3142 | 3147 | 3155 | rVB2 | 64813   | 99255   | 5.62%   | 0.601%  |
| 51 | 21.690 | 3159 | 3166 | 3174 | rBV2 | 565274  | 1013224 | 57.40%  | 6.140%  |
| 52 | 21.878 | 3196 | 3198 | 3205 | rVB5 | 20350   | 25176   | 1.43%   | 0.153%  |
| 53 | 23.981 | 3551 | 3556 | 3566 | rVB3 | 32018   | 68493   | 3.88%   | 0.415%  |
| 54 | 24.686 | 3665 | 3676 | 3689 | rBV2 | 620360  | 1765142 | 100.00% | 10.697% |
| 55 | 24.904 | 3703 | 3713 | 3727 | rBV2 | 381013  | 1164991 | 66.00%  | 7.060%  |
| 56 | 26.061 | 3905 | 3910 | 3920 | rVB6 | 26036   | 67041   | 3.80%   | 0.406%  |

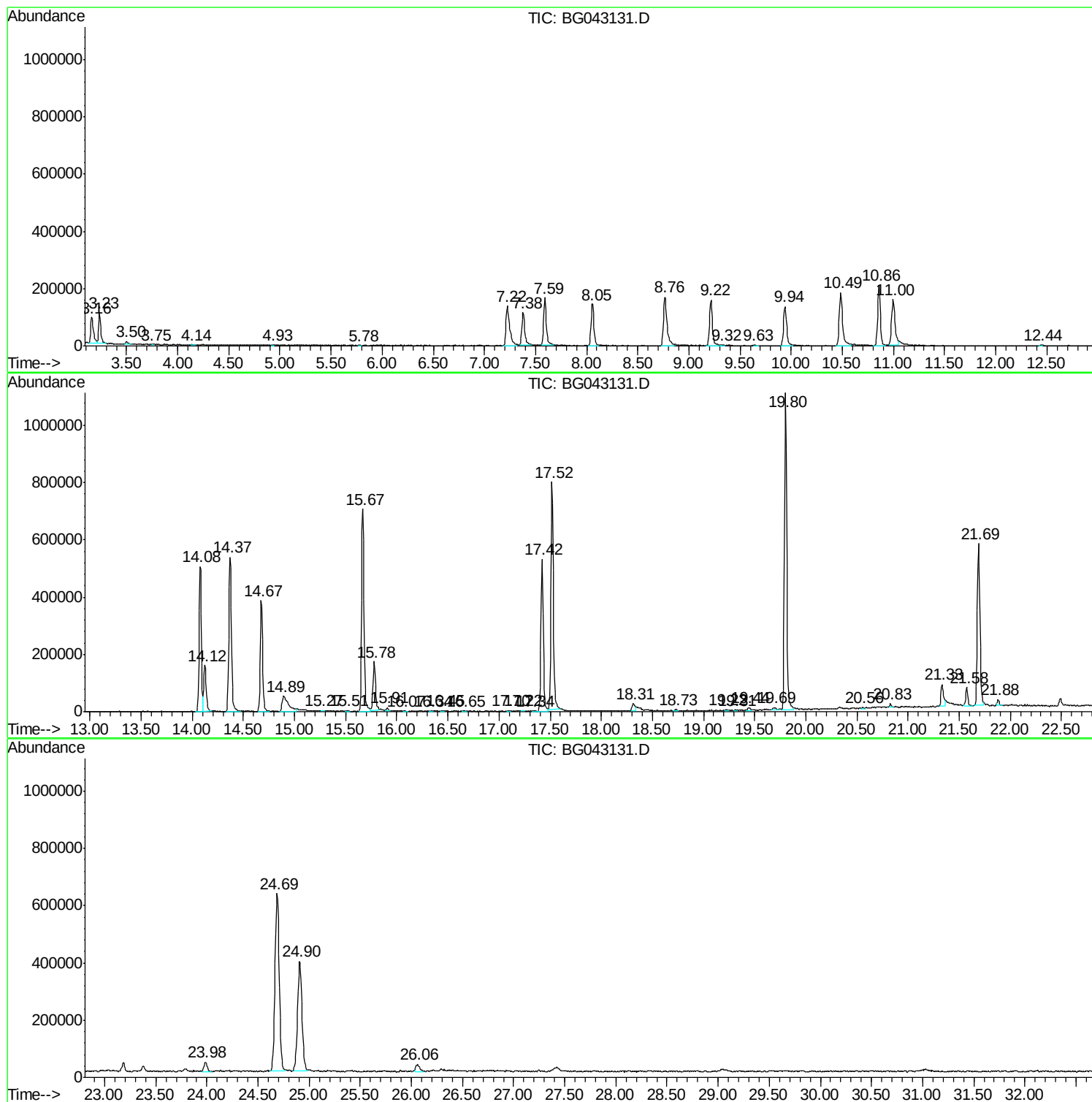
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_G\METHODS\SOM-EPA-BG100919MA.M  
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P



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Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_G\METHODS\SOM-EPA-BG100919MA.M  
Quant Title : SVOA CALIBRATION

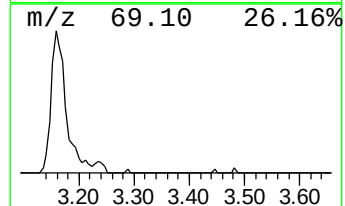
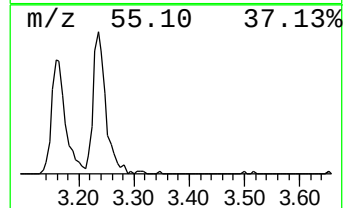
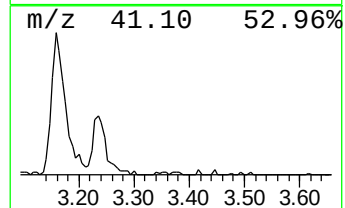
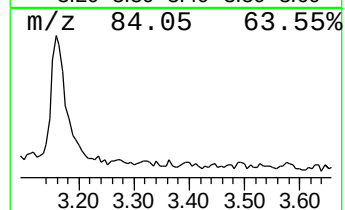
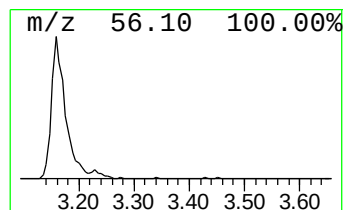
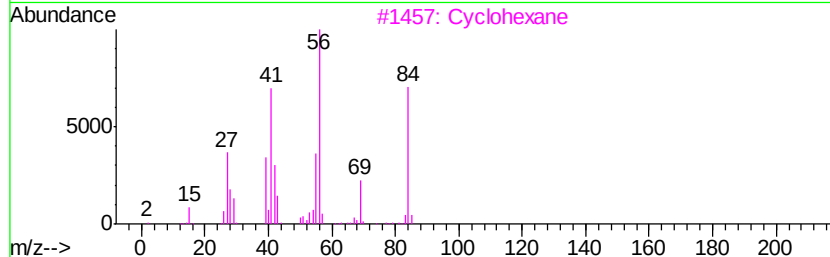
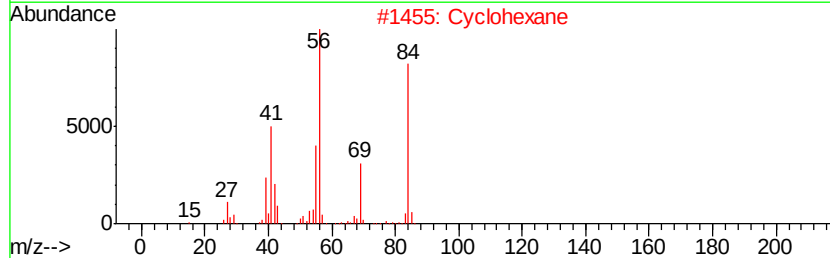
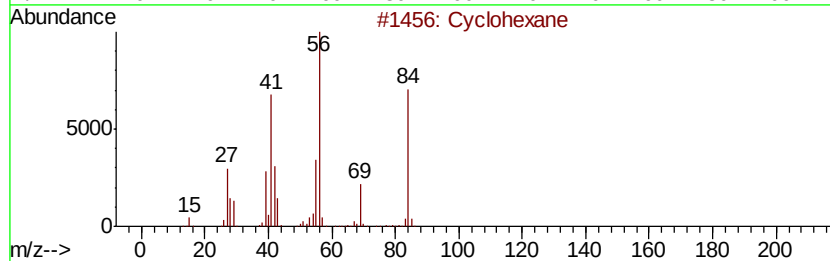
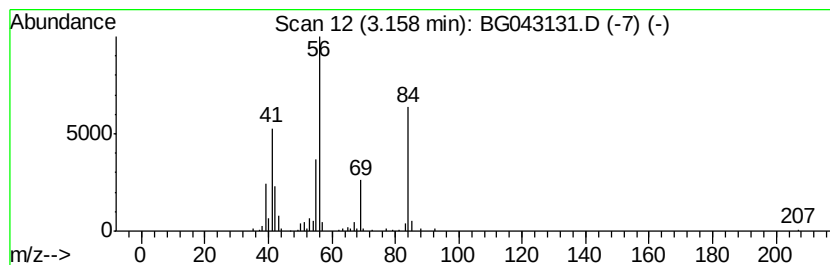
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 1 (DEL) Alkane: Cyclic3.16 Concentration Rank 1

| R.T. | EstConc     | Area   | Relative to ISTD       | R.T. |
|------|-------------|--------|------------------------|------|
| 3.16 | 12.17 ng/ul | 164623 | 1,4-Dichlorobenzene-d4 | 8.06 |

| Hit# | of | Tentative ID         | MW | MolForm | CAS#        | Qual |
|------|----|----------------------|----|---------|-------------|------|
| 1    | 5  | Cyclohexane          | 84 | C6H12   | 000110-82-7 | 91   |
| 2    |    | Cyclohexane          | 84 | C6H12   | 000110-82-7 | 90   |
| 3    |    | Cyclohexane          | 84 | C6H12   | 000110-82-7 | 90   |
| 4    |    | 1-Pentene, 2-methyl- | 84 | C6H12   | 000763-29-1 | 86   |
| 5    |    | Cyclohexane          | 84 | C6H12   | 000110-82-7 | 80   |



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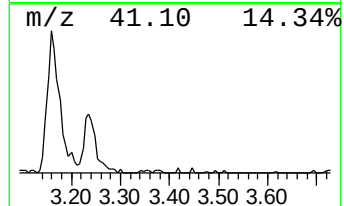
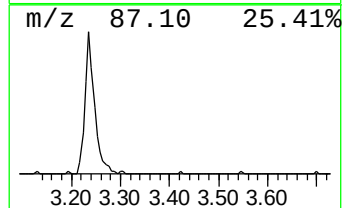
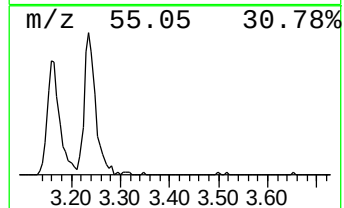
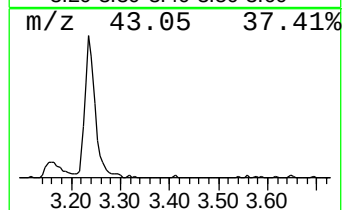
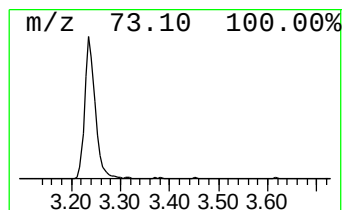
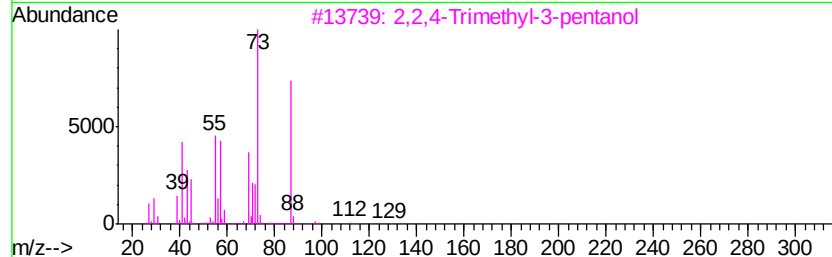
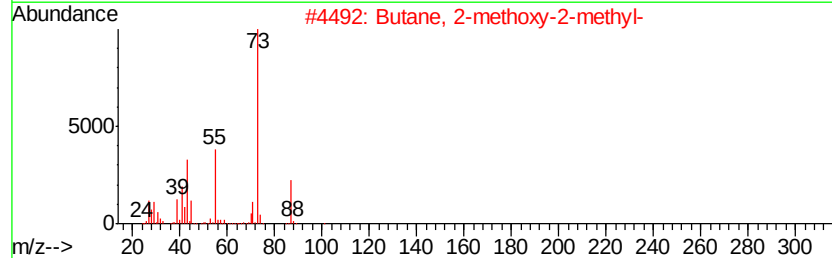
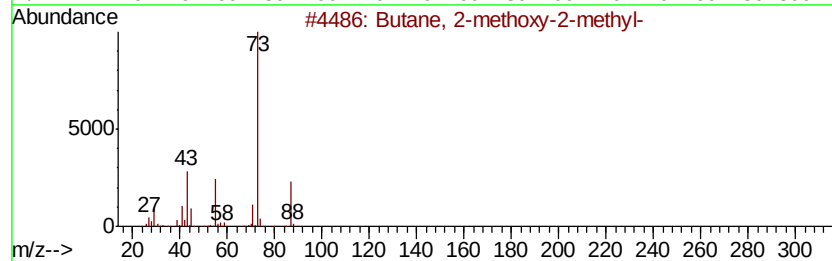
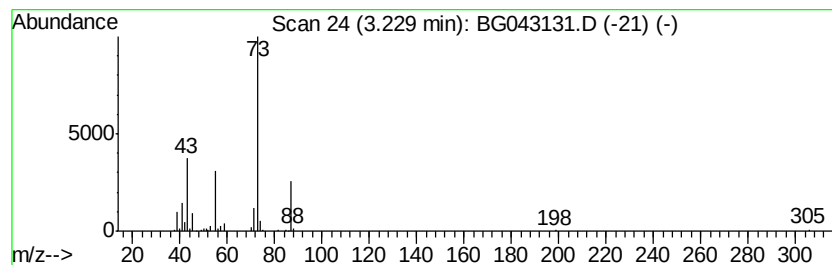
Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_G\METHODS\SOM-EPA-BG100919MA.M  
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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

| R.T. | EstConc     | Area   | Relative to ISTD       | R.T. |
|------|-------------|--------|------------------------|------|
| 3.23 | 12.16 ng/ul | 164461 | 1,4-Dichlorobenzene-d4 | 8.06 |

| 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 | 64   |
| 3    |    | 2,2,4-Trimethyl-3-pentanol  | 130 | C8H18O  | 005162-48-1 | 45   |
| 4    |    | N-Ethylformamide            | 73  | C3H7NO  | 000627-45-2 | 9    |
| 5    |    | Pentane, 3-methoxy-         | 102 | C6H14O  | 036839-67-5 | 9    |



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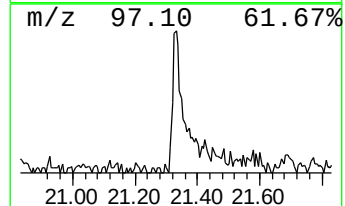
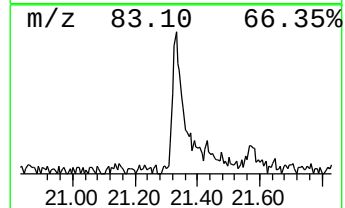
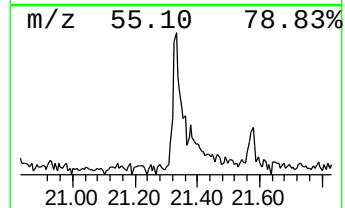
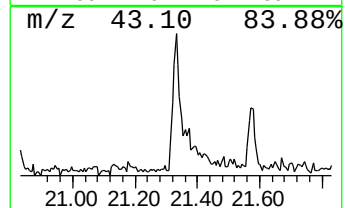
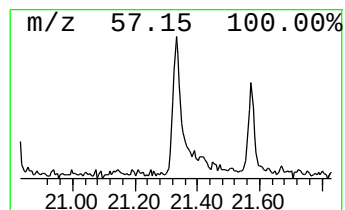
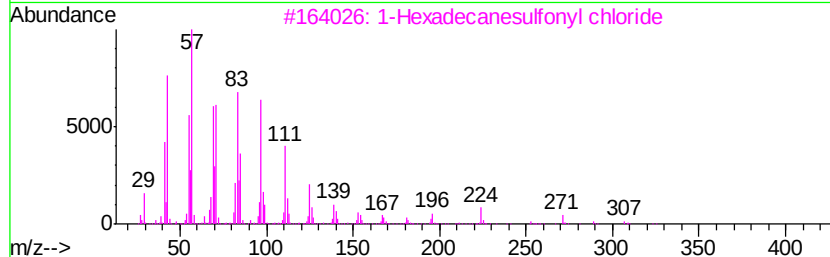
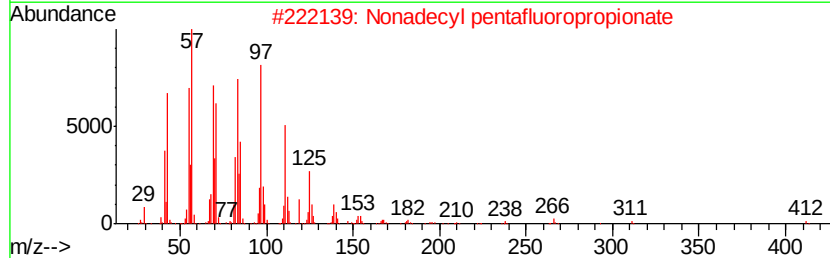
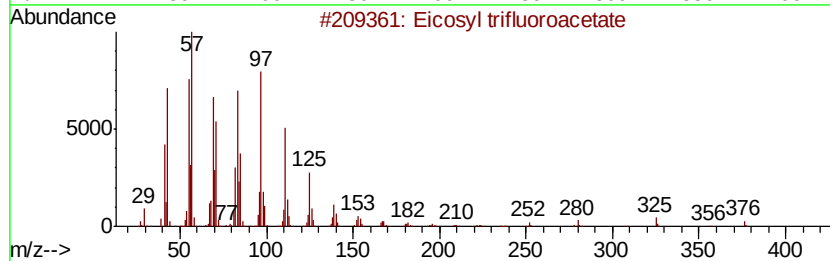
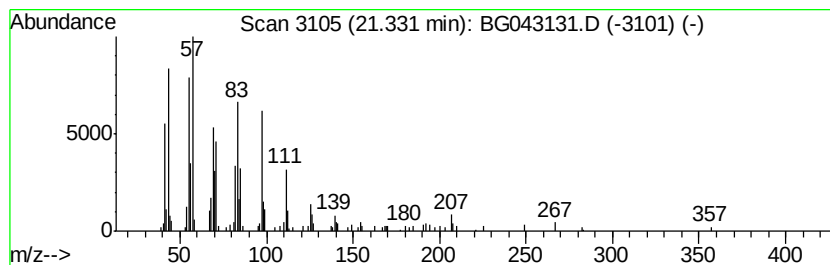
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TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 3 Eicosyl trifluoroacetate Concentration Rank 3

| R.T.    | EstConc                    | Area                  | Relative to ISTD | R.T.        |              |      |
|---------|----------------------------|-----------------------|------------------|-------------|--------------|------|
| 21.33   | 2.81 ng/ul                 | 142164                | Chrysene-d12     | 21.69       |              |      |
| Hit# of | 5                          | Tentative ID          | MW               | MolForm     | CAS#         | Qual |
| 1       | Eicosyl                    | trifluoroacetate      | 394              | C22H41F3O2  | 1000351-75-2 | 91   |
| 2       | Nonadecyl                  | pentafluoropropionate | 430              | C22H39F5O2  | 1000351-88-8 | 91   |
| 3       | 1-Hexadecanesulfonyl       | chloride              | 324              | C16H33ClO2S | 038775-38-1  | 91   |
| 4       | Pentafluoropropionic acid, | octad...              | 416              | C21H37F5O2  | 959261-25-7  | 91   |
| 5       | 17-Pentatriacontene        |                       | 491              | C35H70      | 006971-40-0  | 91   |



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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

| TIC Top Hit name     | RT    | EstConc | Units | Response | --Internal Standard-- |       |         |      |
|----------------------|-------|---------|-------|----------|-----------------------|-------|---------|------|
|                      |       |         |       |          | #                     | RT    | Resp    | Conc |
| (DEL) Alkane: Cyc... | 3.16  | 12.2    | ng/ul | 164623   | 1                     | 8.06  | 270547  | 20.0 |
| Butane, 2-methoxy... | 3.23  | 12.2    | ng/ul | 164461   | 1                     | 8.06  | 270547  | 20.0 |
| Eicosyl trifluoro... | 21.33 | 2.8     | ng/ul | 142164   | 5                     | 21.69 | 1013220 | 20.0 |