

Data Path : V:\HPCHEM1\BNA G\DATA\BG112015\  
 Data File : BG019760.D  
 Acq On : 21 Nov 2015 18:51  
 Operator : UM/NP  
 Sample : G4310-10  
 Misc :  
 ALS Vial : 16 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 D9KM5

## 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-BG111615.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         | 3.039       | 29            | 34          | 43           | rBV      | 23774          | 49235         | 3.77%           | 0.377%        |
| 2         | 3.122       | 43            | 48          | 60           | rVB      | 90182          | 145190        | 11.12%          | 1.110%        |
| 3         | 3.409       | 92            | 97          | 102          | rVB3     | 6237           | 9542          | 0.73%           | 0.073%        |
| 4         | 5.149       | 387           | 393         | 399          | rBV3     | 6152           | 11190         | 0.86%           | 0.086%        |
| 5         | 5.959       | 528           | 531         | 535          | rBV2     | 3612           | 4203          | 0.32%           | 0.032%        |
| 6         | 6.776       | 664           | 670         | 677          | rVB      | 100071         | 160013        | 12.25%          | 1.224%        |
| 7         | 7.264       | 746           | 753         | 763          | rVB      | 144368         | 250398        | 19.17%          | 1.915%        |
| 8         | 7.428       | 775           | 781         | 792          | rVB      | 108076         | 173985        | 13.32%          | 1.331%        |
| 9         | 7.546       | 795           | 801         | 808          | rVB2     | 21717          | 37423         | 2.87%           | 0.286%        |
| 10        | 7.640       | 811           | 817         | 824          | rBV      | 139660         | 227521        | 17.42%          | 1.740%        |
| 11        | 8.116       | 892           | 898         | 905          | rBV      | 96605          | 152924        | 11.71%          | 1.170%        |
| 12        | 8.821       | 1011          | 1018        | 1026         | rBV      | 183922         | 311142        | 23.83%          | 2.380%        |
| 13        | 9.291       | 1090          | 1098        | 1107         | rBV      | 141600         | 246758        | 18.90%          | 1.887%        |
| 14        | 10.014      | 1214          | 1221        | 1229         | rBV      | 126932         | 227274        | 17.40%          | 1.738%        |
| 15        | 10.243      | 1256          | 1260        | 1268         | rBV3     | 18729          | 37999         | 2.91%           | 0.291%        |
| 16        | 10.560      | 1306          | 1314        | 1322         | rBV      | 193023         | 338919        | 25.95%          | 2.592%        |
| 17        | 10.701      | 1333          | 1338        | 1342         | rBV3     | 2452           | 4399          | 0.34%           | 0.034%        |
| 18        | 10.942      | 1372          | 1379        | 1390         | rVB      | 123854         | 216695        | 16.59%          | 1.657%        |
| 19        | 11.077      | 1395          | 1402        | 1411         | rBV      | 153893         | 284312        | 21.77%          | 2.174%        |
| 20        | 11.723      | 1506          | 1512        | 1519         | rBV4     | 5093           | 9319          | 0.71%           | 0.071%        |
| 21        | 11.947      | 1544          | 1550        | 1555         | rBV3     | 3539           | 6619          | 0.51%           | 0.051%        |
| 22        | 12.516      | 1644          | 1647        | 1652         | rVB2     | 2372           | 3585          | 0.27%           | 0.027%        |
| 23        | 13.022      | 1727          | 1733        | 1741         | rBV3     | 11587          | 21345         | 1.63%           | 0.163%        |
| 24        | 13.104      | 1745          | 1747        | 1754         | rVB2     | 5890           | 9024          | 0.69%           | 0.069%        |
| 25        | 13.204      | 1760          | 1764        | 1768         | rBV      | 2149           | 3467          | 0.27%           | 0.027%        |
| 26        | 13.351      | 1784          | 1789        | 1794         | rVB2     | 8203           | 11611         | 0.89%           | 0.089%        |
| 27        | 13.556      | 1819          | 1824        | 1831         | rBV2     | 3474           | 4781          | 0.37%           | 0.037%        |
| 28        | 13.674      | 1839          | 1844        | 1849         | rVB2     | 3231           | 5072          | 0.39%           | 0.039%        |
| 29        | 14.150      | 1918          | 1925        | 1929         | rBV      | 397519         | 567211        | 43.43%          | 4.338%        |
| 30        | 14.197      | 1929          | 1933        | 1939         | rVB      | 168509         | 229335        | 17.56%          | 1.754%        |
| 31        | 14.373      | 1959          | 1963        | 1966         | rBV2     | 3120           | 3945          | 0.30%           | 0.030%        |
| 32        | 14.449      | 1969          | 1976        | 1983         | rBV      | 404146         | 610020        | 46.71%          | 4.666%        |
| 33        | 14.626      | 2000          | 2006        | 2011         | rBV2     | 13540          | 19377         | 1.48%           | 0.148%        |
| 34        | 14.755      | 2022          | 2028        | 2035         | rVB2     | 226236         | 361446        | 27.68%          | 2.764%        |

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## Integration Parameters: LSCINT.P

Integrator: RTE  
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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:\HPCHEM1\BNA\_G\METHODS\SOM02.2-EPA-BG111615.M  
 Title : SVOA CALIBRATION

|    |        |      |      |      |      |        |         |        |        |
|----|--------|------|------|------|------|--------|---------|--------|--------|
| 35 | 14.943 | 2054 | 2060 | 2069 | rBV  | 214025 | 330041  | 25.27% | 2.524% |
| 36 | 15.078 | 2077 | 2083 | 2084 | rBV4 | 2352   | 4301    | 0.33%  | 0.033% |
| 37 | 15.237 | 2107 | 2110 | 2118 | rVB5 | 4561   | 6091    | 0.47%  | 0.047% |
| 38 | 15.307 | 2118 | 2122 | 2129 | rBV3 | 2544   | 3676    | 0.28%  | 0.028% |
| 39 | 15.531 | 2154 | 2160 | 2162 | rBV  | 3607   | 5388    | 0.41%  | 0.041% |
| 40 | 15.572 | 2162 | 2167 | 2172 | rVB2 | 21468  | 28407   | 2.18%  | 0.217% |
| 41 | 15.742 | 2190 | 2196 | 2204 | rVB  | 572562 | 848027  | 64.94% | 6.486% |
| 42 | 15.854 | 2210 | 2215 | 2223 | rVB  | 225245 | 321733  | 24.64% | 2.461% |
| 43 | 15.983 | 2226 | 2237 | 2240 | rBV5 | 11258  | 21684   | 1.66%  | 0.166% |
| 44 | 16.071 | 2247 | 2252 | 2257 | rVB4 | 5185   | 5912    | 0.45%  | 0.045% |
| 45 | 16.124 | 2257 | 2261 | 2265 | rBV3 | 3241   | 5588    | 0.43%  | 0.043% |
| 46 | 16.195 | 2270 | 2273 | 2275 | rVB3 | 3646   | 3703    | 0.28%  | 0.028% |
| 47 | 16.430 | 2309 | 2313 | 2316 | rBV2 | 21417  | 28031   | 2.15%  | 0.214% |
| 48 | 16.559 | 2331 | 2335 | 2340 | rVB2 | 6965   | 8342    | 0.64%  | 0.064% |
| 49 | 16.618 | 2341 | 2345 | 2351 | rVV5 | 7530   | 13003   | 1.00%  | 0.099% |
| 50 | 16.682 | 2351 | 2356 | 2361 | rVV5 | 8104   | 11492   | 0.88%  | 0.088% |
| 51 | 16.723 | 2361 | 2363 | 2368 | rVB3 | 3597   | 4303    | 0.33%  | 0.033% |
| 52 | 16.776 | 2368 | 2372 | 2374 | rBV4 | 4924   | 6197    | 0.47%  | 0.047% |
| 53 | 16.829 | 2378 | 2381 | 2384 | rVV4 | 4136   | 5127    | 0.39%  | 0.039% |
| 54 | 16.882 | 2384 | 2390 | 2394 | rVB7 | 7636   | 16918   | 1.30%  | 0.129% |
| 55 | 16.947 | 2395 | 2401 | 2406 | rBV3 | 10147  | 16595   | 1.27%  | 0.127% |
| 56 | 17.017 | 2411 | 2413 | 2420 | rVB4 | 4878   | 7993    | 0.61%  | 0.061% |
| 57 | 17.223 | 2443 | 2448 | 2451 | rBV2 | 12636  | 16147   | 1.24%  | 0.123% |
| 58 | 17.276 | 2454 | 2457 | 2462 | rVB4 | 5580   | 9243    | 0.71%  | 0.071% |
| 59 | 17.493 | 2487 | 2494 | 2500 | rBV2 | 343049 | 523581  | 40.09% | 4.004% |
| 60 | 17.540 | 2500 | 2502 | 2505 | rVV4 | 4030   | 5519    | 0.42%  | 0.042% |
| 61 | 17.593 | 2505 | 2511 | 2521 | rVB2 | 703603 | 1031314 | 78.97% | 7.888% |
| 62 | 17.757 | 2535 | 2539 | 2542 | rVB2 | 2758   | 3564    | 0.27%  | 0.027% |
| 63 | 17.851 | 2549 | 2555 | 2558 | rBV5 | 3360   | 5818    | 0.45%  | 0.044% |
| 64 | 18.263 | 2621 | 2625 | 2630 | rVB5 | 4711   | 7758    | 0.59%  | 0.059% |
| 65 | 18.357 | 2637 | 2641 | 2648 | rBV2 | 32577  | 47082   | 3.61%  | 0.360% |
| 66 | 18.650 | 2688 | 2691 | 2697 | rBV7 | 3302   | 6104    | 0.47%  | 0.047% |
| 67 | 18.721 | 2699 | 2703 | 2704 | rBV3 | 3974   | 4256    | 0.33%  | 0.033% |
| 68 | 18.809 | 2715 | 2718 | 2722 | rVB2 | 4140   | 6380    | 0.49%  | 0.049% |
| 69 | 18.874 | 2723 | 2729 | 2732 | rBV2 | 8781   | 14193   | 1.09%  | 0.109% |
| 70 | 18.956 | 2741 | 2743 | 2747 | rBV4 | 4598   | 5188    | 0.40%  | 0.040% |
| 71 | 19.126 | 2768 | 2772 | 2774 | rBV4 | 7477   | 9272    | 0.71%  | 0.071% |

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ClientSampleId :  
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## Integration Parameters: LSCINT.P

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Sampling : 1  
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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-BG111615.M  
Title : SVOA CALIBRATION

|     |        |      |      |      |      |        |         |         |        |
|-----|--------|------|------|------|------|--------|---------|---------|--------|
| 72  | 19.209 | 2781 | 2786 | 2790 | rBV  | 22755  | 29486   | 2.26%   | 0.226% |
| 73  | 19.279 | 2794 | 2798 | 2799 | rBV4 | 6275   | 6858    | 0.53%   | 0.052% |
| 74  | 19.508 | 2833 | 2837 | 2839 | rBV2 | 9949   | 14694   | 1.13%   | 0.112% |
| 75  | 19.626 | 2853 | 2857 | 2860 | rBV6 | 5112   | 8441    | 0.65%   | 0.065% |
| 76  | 19.708 | 2867 | 2871 | 2873 | rBV5 | 5877   | 8796    | 0.67%   | 0.067% |
| 77  | 19.749 | 2875 | 2878 | 2886 | rVB2 | 24596  | 37837   | 2.90%   | 0.289% |
| 78  | 19.873 | 2893 | 2899 | 2907 | rVB  | 929410 | 1284845 | 98.38%  | 9.827% |
| 79  | 20.278 | 2964 | 2968 | 2972 | rBV  | 27111  | 35013   | 2.68%   | 0.268% |
| 80  | 20.713 | 3039 | 3042 | 3045 | rBV5 | 17712  | 22068   | 1.69%   | 0.169% |
| 81  | 20.754 | 3046 | 3049 | 3054 | rVB  | 40954  | 54367   | 4.16%   | 0.416% |
| 82  | 20.824 | 3056 | 3061 | 3071 | rVB6 | 19385  | 35570   | 2.72%   | 0.272% |
| 83  | 20.965 | 3082 | 3085 | 3088 | rBV2 | 22141  | 24159   | 1.85%   | 0.185% |
| 84  | 21.018 | 3090 | 3094 | 3097 | rVB  | 45813  | 53520   | 4.10%   | 0.409% |
| 85  | 21.083 | 3102 | 3105 | 3114 | rVB4 | 19860  | 32451   | 2.48%   | 0.248% |
| 86  | 21.377 | 3150 | 3155 | 3168 | rVB2 | 65089  | 117295  | 8.98%   | 0.897% |
| 87  | 21.524 | 3176 | 3180 | 3188 | rVB  | 32530  | 49074   | 3.76%   | 0.375% |
| 88  | 21.764 | 3214 | 3221 | 3231 | rVB  | 439673 | 772775  | 59.17%  | 5.910% |
| 89  | 21.853 | 3234 | 3236 | 3237 | rBV2 | 5987   | 4652    | 0.36%   | 0.036% |
| 90  | 22.693 | 3375 | 3379 | 3386 | rVB2 | 13575  | 26014   | 1.99%   | 0.199% |
| 91  | 22.810 | 3397 | 3399 | 3405 | rVB5 | 17827  | 25509   | 1.95%   | 0.195% |
| 92  | 22.992 | 3428 | 3430 | 3431 | rBV  | 5941   | 4654    | 0.36%   | 0.036% |
| 93  | 23.251 | 3471 | 3474 | 3480 | rVB4 | 14716  | 21851   | 1.67%   | 0.167% |
| 94  | 23.445 | 3504 | 3507 | 3513 | rVB3 | 18679  | 31914   | 2.44%   | 0.244% |
| 95  | 24.073 | 3606 | 3614 | 3619 | rVB6 | 17997  | 40985   | 3.14%   | 0.313% |
| 96  | 24.361 | 3658 | 3663 | 3670 | rBV5 | 10400  | 20966   | 1.61%   | 0.160% |
| 97  | 24.837 | 3732 | 3744 | 3756 | rBV  | 481976 | 1305941 | 100.00% | 9.988% |
| 98  | 25.061 | 3770 | 3782 | 3793 | rBV2 | 242161 | 720421  | 55.16%  | 5.510% |
| 99  | 26.200 | 3969 | 3976 | 3983 | rVB4 | 20337  | 52851   | 4.05%   | 0.404% |
| 100 | 27.593 | 4205 | 4213 | 4223 | rVB4 | 24751  | 78715   | 6.03%   | 0.602% |

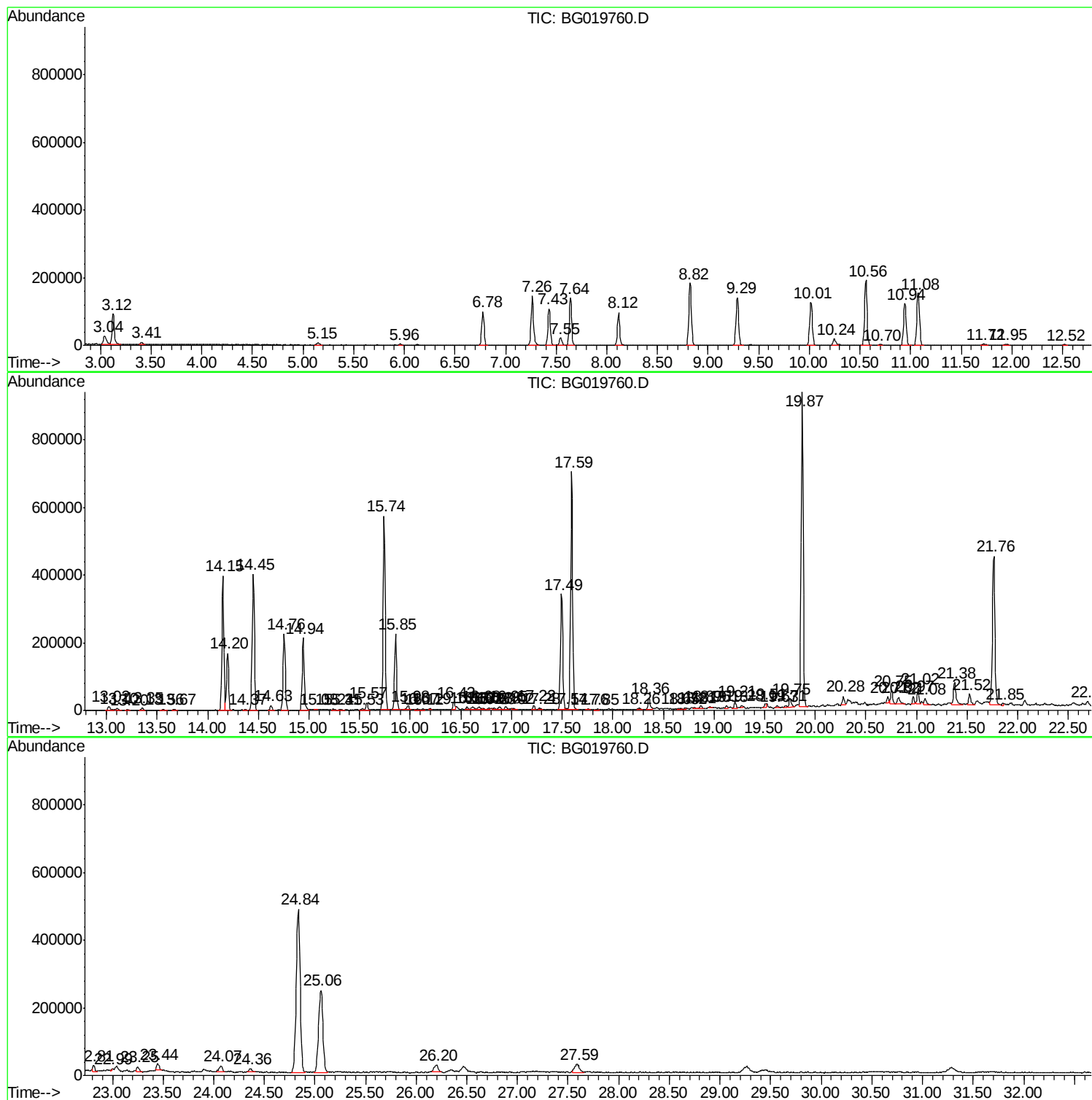
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Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG111615.M  
Quant Title : SVOA CALIBRATION

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



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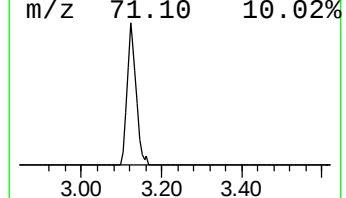
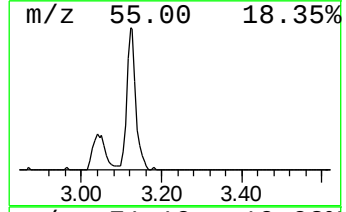
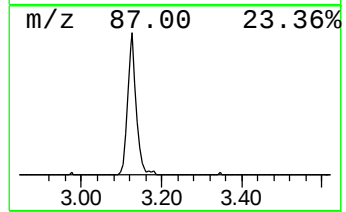
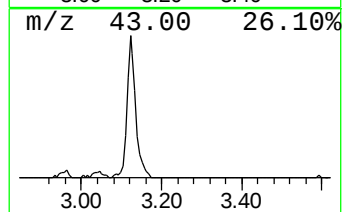
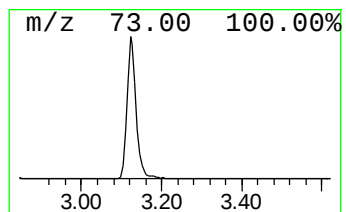
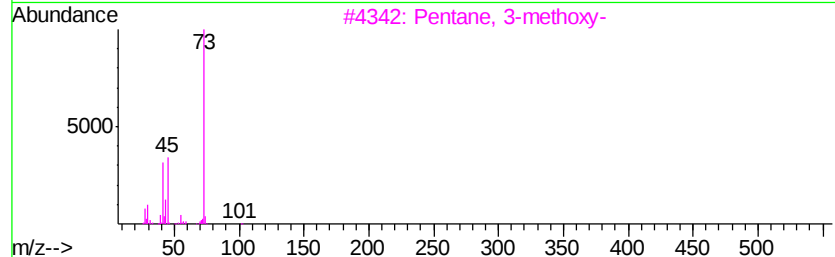
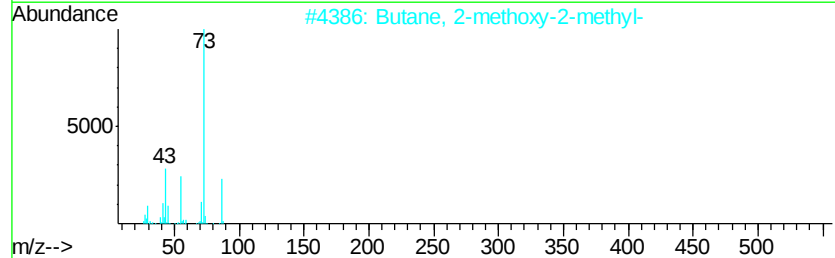
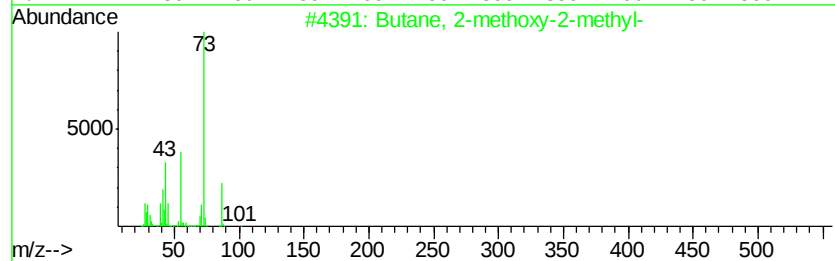
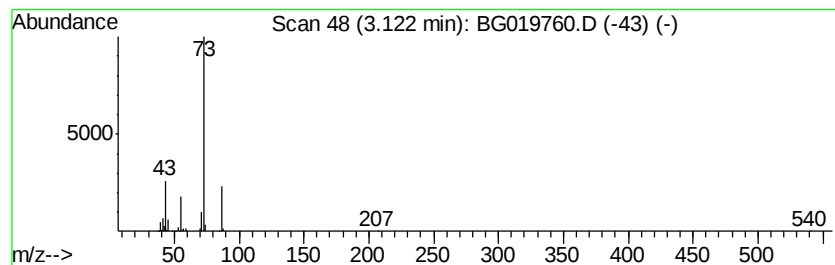
Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG111615.M  
Quant Title : SVOA CALIBRATION

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

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

| R.T. | EstConc     | Area   | Relative to ISTD       | R.T. |
|------|-------------|--------|------------------------|------|
| 3.12 | 18.99 ng/ul | 145190 | 1,4-Dichlorobenzene-d4 | 8.12 |

| 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 | 72   |
| 3    |    | Pentane, 3-methoxy-         | 102 | C6H14O  | 036839-67-5 | 12   |
| 4    |    | N-Ethylformamide            | 73  | C3H7NO  | 000627-45-2 | 9    |
| 5    |    | Acetamide, N-ethyl-         | 87  | C4H9NO  | 000625-50-3 | 9    |



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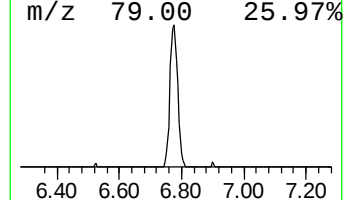
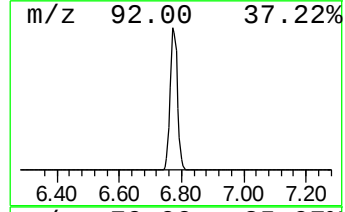
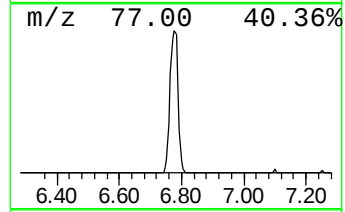
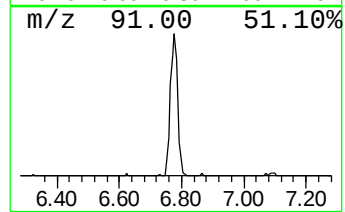
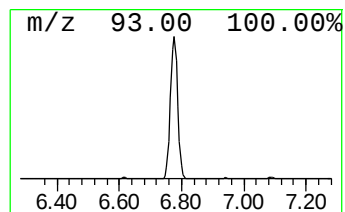
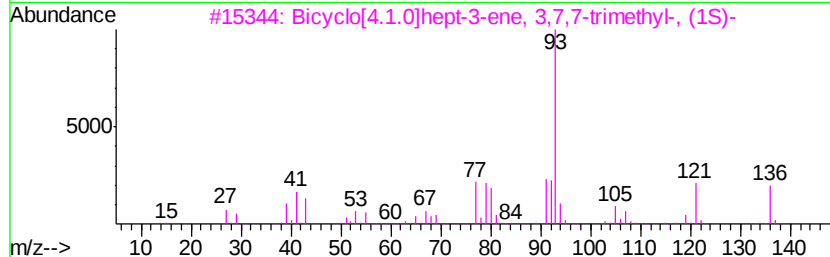
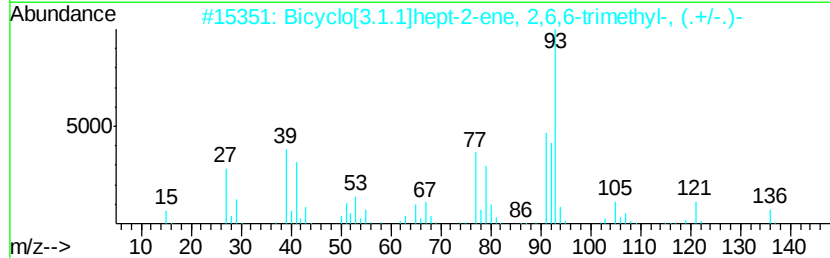
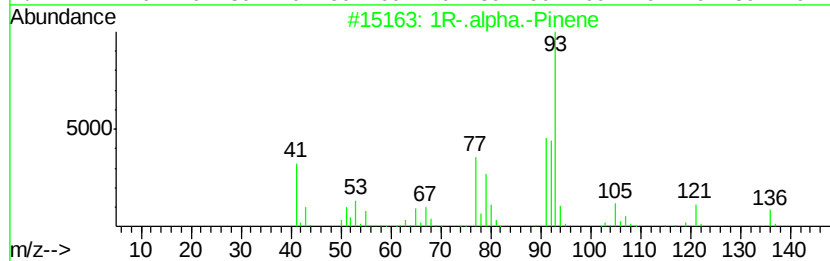
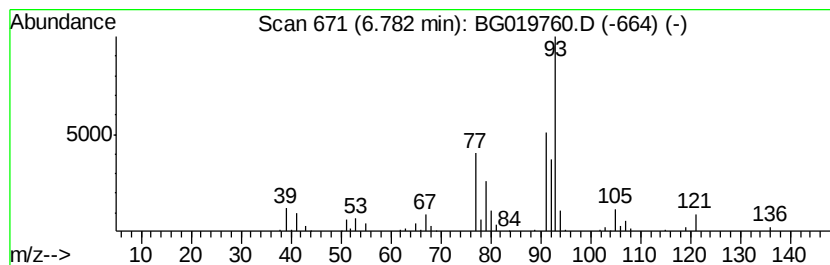
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 3 1R-.alpha.-Pinene Concentration Rank 1

| R.T. | EstConc     | Area   | Relative to ISTD       | R.T. |
|------|-------------|--------|------------------------|------|
| 6.78 | 20.93 ng/ul | 160013 | 1,4-Dichlorobenzene-d4 | 8.12 |

| Hit# | of | Tentative ID                        | MW  | MolForm | CAS#        | Qual |
|------|----|-------------------------------------|-----|---------|-------------|------|
| 1    | 5  | 1R-.alpha.-Pinene                   | 136 | C10H16  | 007785-70-8 | 95   |
| 2    |    | Bicyclo[3.1.1]hept-2-ene, 2,6,6-... | 136 | C10H16  | 002437-95-8 | 95   |
| 3    |    | Bicyclo[4.1.0]hept-3-ene, 3,7,7-... | 136 | C10H16  | 000498-15-7 | 91   |
| 4    |    | Bicyclo[3.1.1]hept-2-ene, 3,6,6-... | 136 | C10H16  | 004889-83-2 | 91   |
| 5    |    | 1S-.alpha.-Pinene                   | 136 | C10H16  | 007785-26-4 | 90   |



Data Path : V:\HPCHEM1\BNA G\DATA\BG112015\  
Data File : BG019760.D  
Acq On : 21 Nov 2015 18:51  
Operator : UM/NP  
Sample : G4310-10  
Misc :  
ALS Vial : 16 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
D9KM5

Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG111615.M  
Quant Title : SVOA CALIBRATION

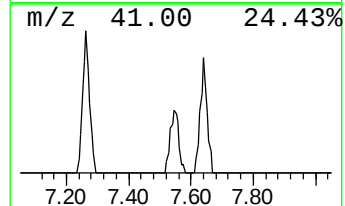
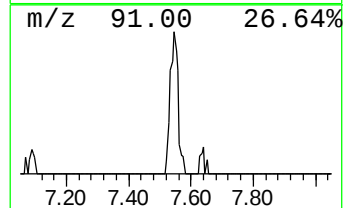
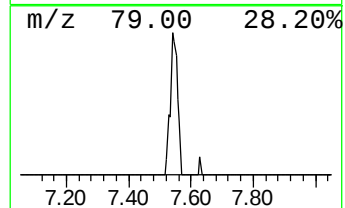
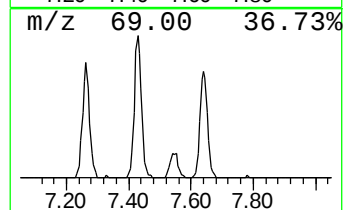
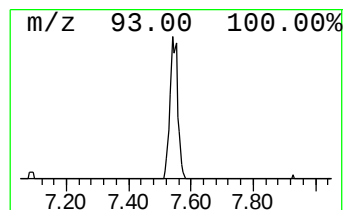
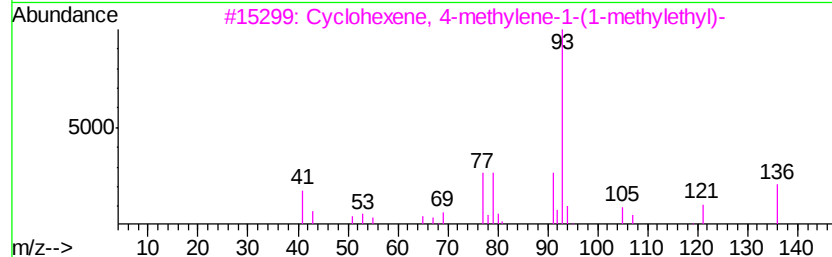
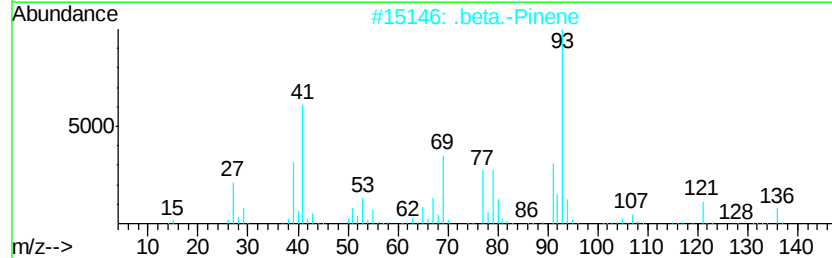
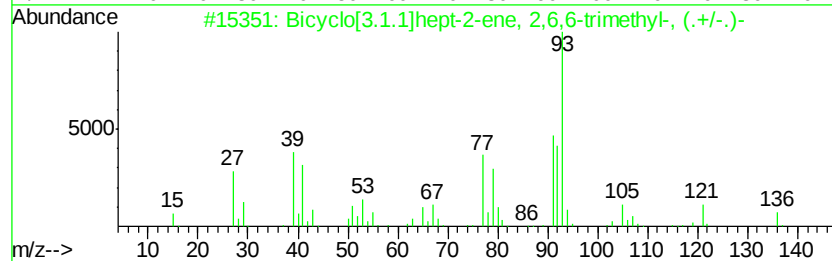
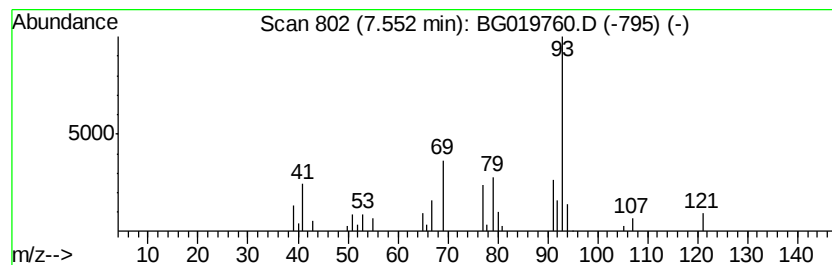
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 4 Bicyclo[3.1.1]hept-2-ene, 2... Concentration Rank 4

| R.T. | EstConc    | Area  | Relative to ISTD       | R.T. |
|------|------------|-------|------------------------|------|
| 7.55 | 4.89 ng/ul | 37423 | 1,4-Dichlorobenzene-d4 | 8.12 |

| Hit# | of | 5 | Tentative ID                           | MW  | MolForm | CAS#        | Qual |
|------|----|---|----------------------------------------|-----|---------|-------------|------|
| 1    |    |   | Bicyclo[3.1.1]hept-2-ene, 2,6,6-...    | 136 | C10H16  | 002437-95-8 | 91   |
| 2    |    |   | .beta.-Pinene                          | 136 | C10H16  | 000127-91-3 | 90   |
| 3    |    |   | Cyclohexene, 4-methylene-1-(1-methyl-) | 136 | C10H16  | 000099-84-3 | 83   |
| 4    |    |   | .beta.-Phellandrene                    | 136 | C10H16  | 000555-10-2 | 72   |
| 5    |    |   | 1R-.alpha.-Pinene                      | 136 | C10H16  | 007785-70-8 | 72   |



Data Path : V:\HPCHEM1\BNA G\DATA\BG112015\  
Data File : BG019760.D  
Acq On : 21 Nov 2015 18:51  
Operator : UM/NP  
Sample : G4310-10  
Misc :  
ALS Vial : 16 Sample Multiplier: 1

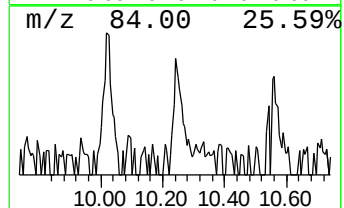
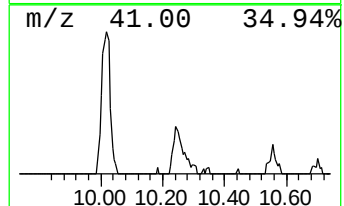
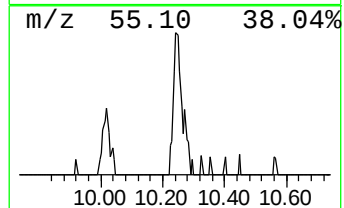
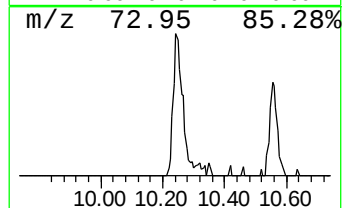
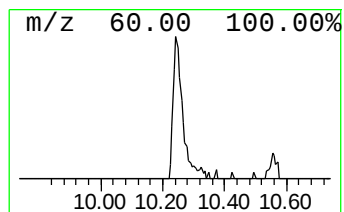
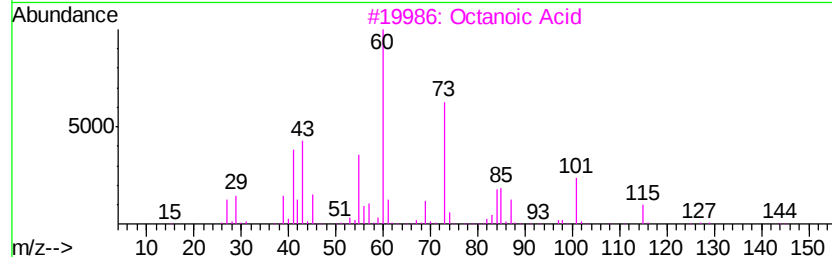
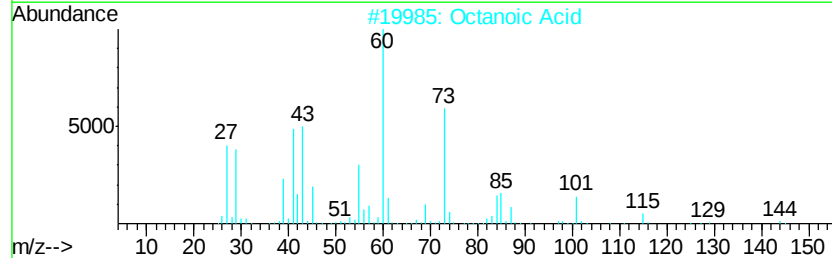
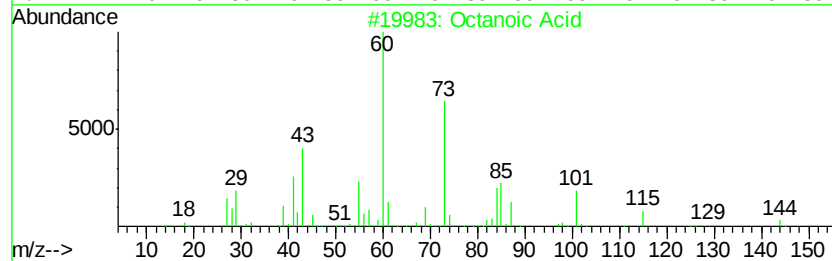
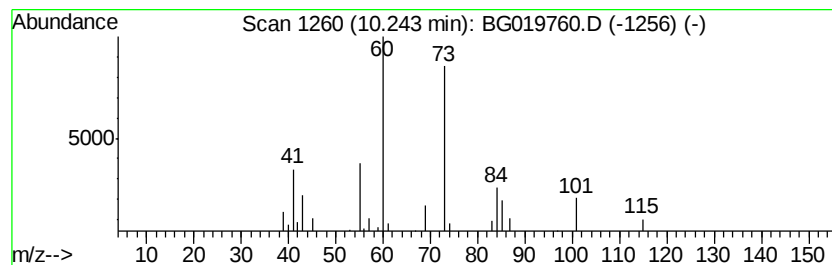
Instrument :  
BNA\_G  
ClientSampleId :  
D9KM5

Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG111615.M  
Quant Title : SVOA CALIBRATION

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

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Peak Number 5 Octanoic Acid Concentration Rank 5

| R.T.      | EstConc        | Area  | Relative to ISTD | R.T.        |      |
|-----------|----------------|-------|------------------|-------------|------|
| 10.24     | 3.51 ng/ul     | 37999 | Naphthalene-d8   | 10.94       |      |
| Hit# of 5 | Tentative ID   | MW    | MolForm          | CAS#        | Qual |
| 1         | Octanoic Acid  | 144   | C8H16O2          | 000124-07-2 | 64   |
| 2         | Octanoic Acid  | 144   | C8H16O2          | 000124-07-2 | 47   |
| 3         | Octanoic Acid  | 144   | C8H16O2          | 000124-07-2 | 38   |
| 4         | Pentanoic acid | 102   | C5H10O2          | 000109-52-4 | 32   |
| 5         | Hexanoic acid  | 116   | C6H12O2          | 000142-62-1 | 32   |



Data Path : V:\HPCHEM1\BNA G\DATA\BG112015\  
Data File : BG019760.D  
Acq On : 21 Nov 2015 18:51  
Operator : UM/NP  
Sample : G4310-10  
Misc :  
ALS Vial : 16 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
D9KM5

Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG111615.M  
Quant Title : SVOA CALIBRATION

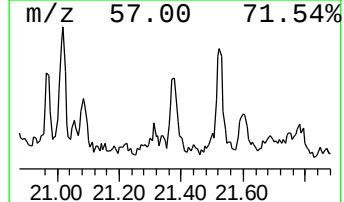
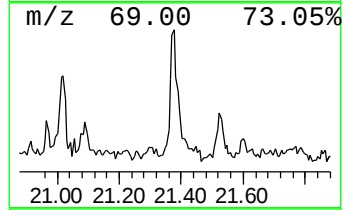
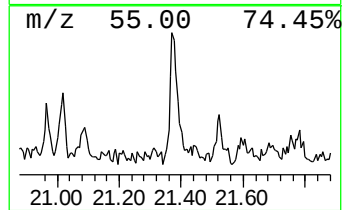
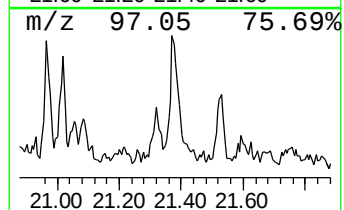
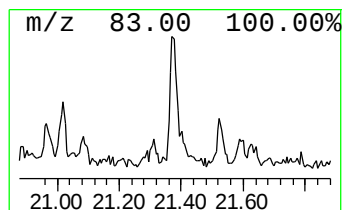
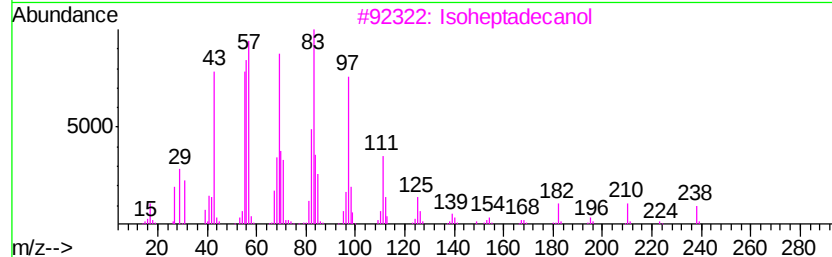
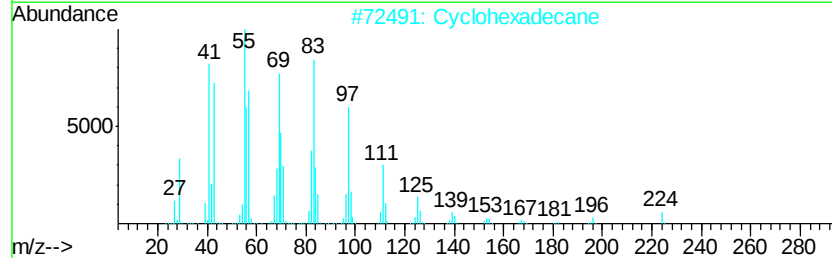
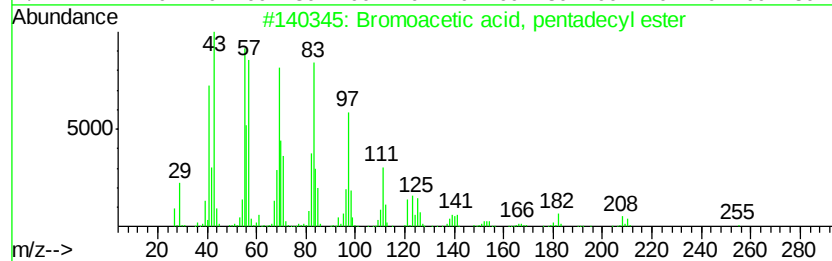
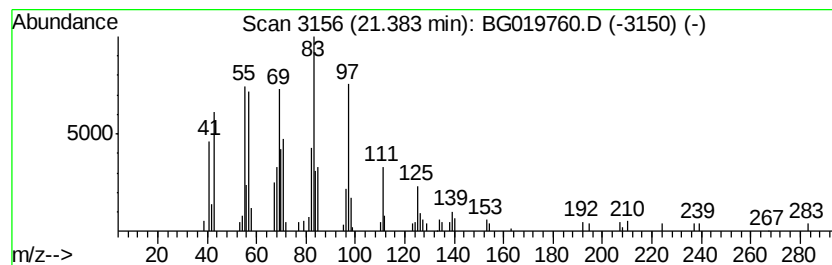
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 6 Bromoacetic acid, pentadecyl... Concentration Rank 6

| R.T.  | EstConc    | Area   | Relative to ISTD | R.T.  |
|-------|------------|--------|------------------|-------|
| 21.38 | 3.04 ng/ul | 117295 | Chrysene-d12     | 21.76 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm    | CAS#         | Qual |
|------|----|---|-------------------------------------|-----|------------|--------------|------|
| 1    |    |   | Bromoacetic acid, pentadecyl ester  | 348 | C17H33BrO2 | 131143-01-6  | 91   |
| 2    |    |   | Cyclohexadecane                     | 224 | C16H32     | 000295-65-8  | 91   |
| 3    |    |   | Isoheptadecanol                     | 256 | C17H36O    | 057289-07-3  | 90   |
| 4    |    |   | Acetic acid, chloro-, hexadecyl ... | 318 | C18H35ClO2 | 052132-58-8  | 87   |
| 5    |    |   | 3-Chloropropionic acid, heptadec... | 346 | C20H39ClO2 | 1000283-05-1 | 86   |



Data Path : V:\HPCHEM1\BNA G\DATA\BG112015\  
Data File : BG019760.D  
Acq On : 21 Nov 2015 18:51  
Operator : UM/NP  
Sample : G4310-10  
Misc :  
ALS Vial : 16 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
D9KM5

Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG111615.M  
Quant Title : SVOA CALIBRATION

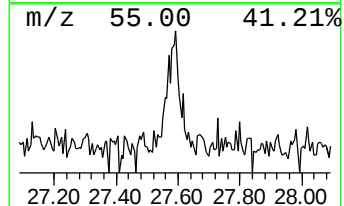
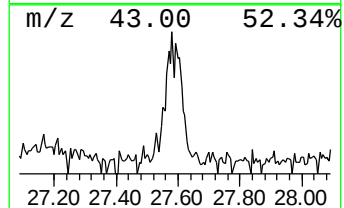
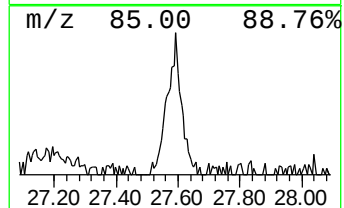
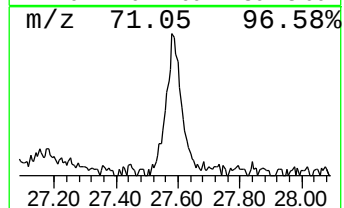
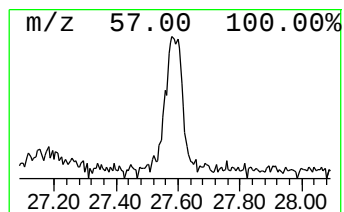
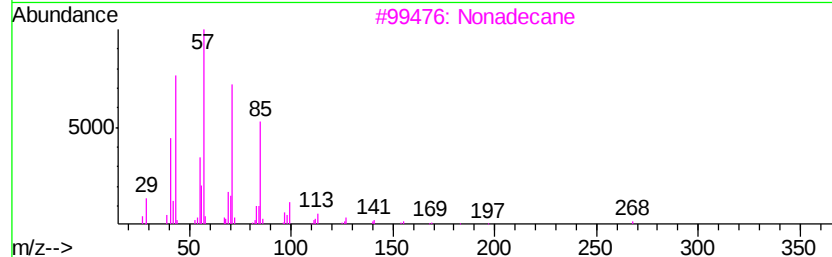
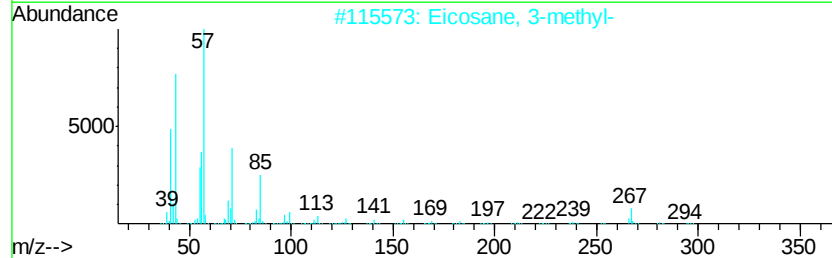
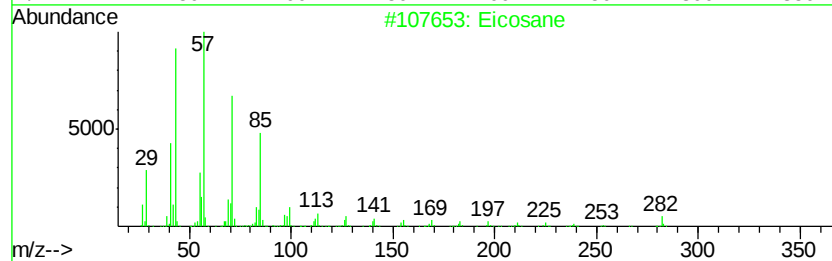
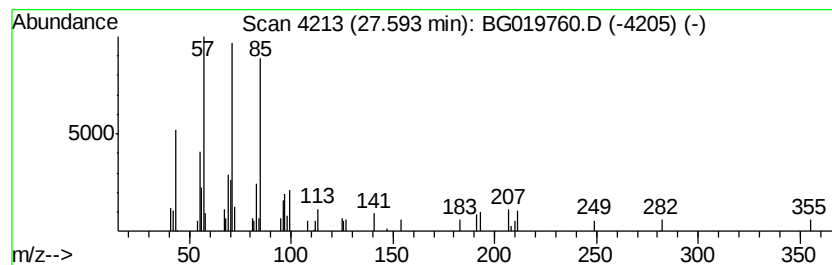
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 7 (DEL) Alkane: Straight-Chai... Concentration Rank 7

| R.T.  | EstConc    | Area  | Relative to ISTD | R.T.  |
|-------|------------|-------|------------------|-------|
| 27.59 | 2.19 ng/ul | 78715 | Perylene-d12     | 25.06 |

| Hit# | of | Tentative ID                 | MW  | MolForm | CAS#        | Qual |
|------|----|------------------------------|-----|---------|-------------|------|
| 1    | 5  | Eicosane                     | 282 | C20H42  | 000112-95-8 | 80   |
| 2    |    | Eicosane, 3-methyl-          | 296 | C21H44  | 006418-46-8 | 64   |
| 3    |    | Nonadecane                   | 268 | C19H40  | 000629-92-5 | 64   |
| 4    |    | Dodecane, 3-methyl-          | 184 | C13H28  | 017312-57-1 | 59   |
| 5    |    | Dodecane, 2-methyl-6-propyl- | 226 | C16H34  | 055045-08-4 | 59   |



Data Path : V:\HPCHEM1\BNA\_G\DATA\BG112015\  
Data File : BG019760.D  
Acq On : 21 Nov 2015 18:51  
Operator : UM/NP  
Sample : G4310-10  
Misc :  
ALS Vial : 16 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
D9KM5

Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\SOM02.2-EPA-BG111615.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... | 3.12  | 19.0    | ng/ul | 145190   | 1                     | 8.12  | 152924 | 20.0 |
| 1R-.alpha.-Pinene    | 6.78  | 20.9    | ng/ul | 160013   | 1                     | 8.12  | 152924 | 20.0 |
| Bicyclo[3.1.1]hep... | 7.55  | 4.9     | ng/ul | 37423    | 1                     | 8.12  | 152924 | 20.0 |
| Octanoic Acid        | 10.24 | 3.5     | ng/ul | 37999    | 2                     | 10.94 | 216695 | 20.0 |
| Bromoacetic acid,... | 21.38 | 3.0     | ng/ul | 117295   | 5                     | 21.76 | 772775 | 20.0 |
| (DEL) Alkane: Str... | 27.59 | 2.2     | ng/ul | 78715    | 6                     | 25.06 | 720421 | 20.0 |