

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA N\DATA\BN040218\  
 Data File : BN000695.D  
 Acq On : 02 Apr 2018 15:14  
 Operator : JU/SJ  
 Sample : J2082-03  
 Misc :  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 ET2Q7

## 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\_N\METHODS\SOM-EPA-BN031918.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         | 3.584       | 19            | 25          | 30           | rBV      | 38142          | 50833         | 1.84%           | 0.140%        |
| 2         | 4.166       | 119           | 124         | 133          | rVB      | 9960           | 13556         | 0.49%           | 0.037%        |
| 3         | 4.296       | 142           | 146         | 151          | rBV2     | 7463           | 10931         | 0.40%           | 0.030%        |
| 4         | 4.408       | 159           | 165         | 173          | rBV      | 118121         | 161272        | 5.84%           | 0.443%        |
| 5         | 4.655       | 204           | 207         | 212          | rVB3     | 4498           | 6286          | 0.23%           | 0.017%        |
| 6         | 5.396       | 326           | 333         | 344          | rBV2     | 111151         | 178187        | 6.45%           | 0.489%        |
| 7         | 5.984       | 426           | 433         | 438          | rVB      | 9218           | 16090         | 0.58%           | 0.044%        |
| 8         | 6.413       | 501           | 506         | 511          | rBV      | 6701           | 11122         | 0.40%           | 0.031%        |
| 9         | 6.560       | 526           | 531         | 536          | rVB3     | 4173           | 8049          | 0.29%           | 0.022%        |
| 10        | 7.555       | 690           | 700         | 712          | rBV      | 577537         | 1025203       | 37.11%          | 2.814%        |
| 11        | 7.707       | 720           | 726         | 736          | rBV      | 492717         | 786977        | 28.49%          | 2.160%        |
| 12        | 7.931       | 757           | 764         | 772          | rBV      | 607063         | 977621        | 35.39%          | 2.683%        |
| 13        | 8.402       | 838           | 844         | 855          | rVB      | 688083         | 1138422       | 41.21%          | 3.125%        |
| 14        | 9.119       | 959           | 966         | 975          | rBV      | 699993         | 1155999       | 41.85%          | 3.173%        |
| 15        | 9.237       | 982           | 986         | 992          | rVB      | 5173           | 9230          | 0.33%           | 0.025%        |
| 16        | 9.584       | 1038          | 1045        | 1054         | rBV      | 529048         | 905493        | 32.78%          | 2.485%        |
| 17        | 9.901       | 1095          | 1099        | 1102         | rBV2     | 9513           | 14945         | 0.54%           | 0.041%        |
| 18        | 9.937       | 1102          | 1105        | 1109         | rVB      | 9945           | 14280         | 0.52%           | 0.039%        |
| 19        | 10.313      | 1162          | 1169        | 1179         | rBV      | 435821         | 736744        | 26.67%          | 2.022%        |
| 20        | 10.866      | 1256          | 1263        | 1273         | rBV      | 689397         | 1159476       | 41.97%          | 3.183%        |
| 21        | 11.243      | 1319          | 1327        | 1333         | rBV      | 981651         | 1651078       | 59.77%          | 4.532%        |
| 22        | 11.296      | 1333          | 1336        | 1342         | rVB      | 47273          | 69293         | 2.51%           | 0.190%        |
| 23        | 11.372      | 1342          | 1349        | 1363         | rBV      | 575611         | 1008473       | 36.51%          | 2.768%        |
| 24        | 11.619      | 1386          | 1391        | 1398         | rVB2     | 8829           | 16067         | 0.58%           | 0.044%        |
| 25        | 12.719      | 1573          | 1578        | 1586         | rVV      | 87361          | 132784        | 4.81%           | 0.364%        |
| 26        | 12.801      | 1587          | 1592        | 1599         | rVB      | 10659          | 15801         | 0.57%           | 0.043%        |
| 27        | 12.878      | 1599          | 1605        | 1611         | rBV      | 5876           | 9567          | 0.35%           | 0.026%        |
| 28        | 13.378      | 1686          | 1690        | 1696         | rBV4     | 3087           | 6234          | 0.23%           | 0.017%        |
| 29        | 13.613      | 1726          | 1730        | 1735         | rBV2     | 5802           | 8857          | 0.32%           | 0.024%        |
| 30        | 13.813      | 1757          | 1764        | 1770         | rBV      | 18675          | 27419         | 0.99%           | 0.075%        |
| 31        | 14.413      | 1857          | 1866        | 1870         | rVV      | 1220559        | 1652504       | 59.82%          | 4.536%        |
| 32        | 14.460      | 1870          | 1874        | 1879         | rVV      | 250202         | 353745        | 12.81%          | 0.971%        |
| 33        | 14.501      | 1879          | 1881        | 1889         | rVB2     | 6946           | 10691         | 0.39%           | 0.029%        |
| 34        | 14.578      | 1889          | 1894        | 1898         | rBV      | 5311           | 7327          | 0.27%           | 0.020%        |

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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\_N\METHODS\SOM-EPA-BN031918.M  
 Title : SVOA CALIBRATION

|    |        |      |      |      |      |         |         |        |        |
|----|--------|------|------|------|------|---------|---------|--------|--------|
| 35 | 14.725 | 1912 | 1919 | 1931 | rBV  | 1360677 | 2073370 | 75.05% | 5.691% |
| 36 | 14.872 | 1939 | 1944 | 1949 | rVV  | 56449   | 70326   | 2.55%  | 0.193% |
| 37 | 14.942 | 1953 | 1956 | 1961 | rBV3 | 3993    | 6580    | 0.24%  | 0.018% |
| 38 | 15.025 | 1961 | 1970 | 1978 | rVV2 | 1381122 | 2083497 | 75.42% | 5.719% |
| 39 | 15.084 | 1978 | 1980 | 1985 | rVB2 | 5163    | 6792    | 0.25%  | 0.019% |
| 40 | 15.231 | 1998 | 2005 | 2015 | rBV  | 239261  | 448866  | 16.25% | 1.232% |
| 41 | 15.366 | 2025 | 2028 | 2032 | rVB2 | 7831    | 10056   | 0.36%  | 0.028% |
| 42 | 15.419 | 2032 | 2037 | 2042 | rVB3 | 16728   | 26114   | 0.95%  | 0.072% |
| 43 | 15.484 | 2042 | 2048 | 2056 | rBV5 | 13081   | 25553   | 0.92%  | 0.070% |
| 44 | 15.554 | 2056 | 2060 | 2065 | rVB3 | 6068    | 8211    | 0.30%  | 0.023% |
| 45 | 15.772 | 2092 | 2097 | 2099 | rBV  | 9643    | 13972   | 0.51%  | 0.038% |
| 46 | 15.813 | 2099 | 2104 | 2110 | rVB2 | 78506   | 105387  | 3.81%  | 0.289% |
| 47 | 15.878 | 2110 | 2115 | 2118 | rBV4 | 5196    | 6879    | 0.25%  | 0.019% |
| 48 | 16.007 | 2130 | 2137 | 2144 | rBV  | 1685638 | 2429205 | 87.93% | 6.668% |
| 49 | 16.060 | 2144 | 2146 | 2151 | rVB2 | 7407    | 8911    | 0.32%  | 0.024% |
| 50 | 16.125 | 2151 | 2157 | 2166 | rBV  | 262477  | 380500  | 13.77% | 1.044% |
| 51 | 16.213 | 2166 | 2172 | 2175 | rBV2 | 18164   | 36126   | 1.31%  | 0.099% |
| 52 | 16.313 | 2185 | 2189 | 2192 | rBV2 | 5622    | 7205    | 0.26%  | 0.020% |
| 53 | 16.366 | 2194 | 2198 | 2201 | rBV2 | 6107    | 8126    | 0.29%  | 0.022% |
| 54 | 16.436 | 2206 | 2210 | 2217 | rBV2 | 9798    | 13256   | 0.48%  | 0.036% |
| 55 | 16.513 | 2217 | 2223 | 2228 | rBV6 | 3112    | 7071    | 0.26%  | 0.019% |
| 56 | 16.619 | 2237 | 2241 | 2245 | rBV6 | 7474    | 13498   | 0.49%  | 0.037% |
| 57 | 16.666 | 2245 | 2249 | 2259 | rVV  | 66354   | 116972  | 4.23%  | 0.321% |
| 58 | 16.860 | 2279 | 2282 | 2288 | rVB3 | 5589    | 6894    | 0.25%  | 0.019% |
| 59 | 16.954 | 2291 | 2298 | 2302 | rBV  | 20340   | 29544   | 1.07%  | 0.081% |
| 60 | 17.007 | 2304 | 2307 | 2310 | rBV4 | 5678    | 6983    | 0.25%  | 0.019% |
| 61 | 17.107 | 2320 | 2324 | 2332 | rVB5 | 8014    | 13995   | 0.51%  | 0.038% |
| 62 | 17.172 | 2332 | 2335 | 2338 | rBV2 | 7284    | 8407    | 0.30%  | 0.023% |
| 63 | 17.407 | 2372 | 2375 | 2379 | rBV2 | 4896    | 6413    | 0.23%  | 0.018% |
| 64 | 17.454 | 2379 | 2383 | 2387 | rVV  | 36283   | 43269   | 1.57%  | 0.119% |
| 65 | 17.507 | 2387 | 2392 | 2395 | rVV  | 12463   | 18187   | 0.66%  | 0.050% |
| 66 | 17.542 | 2395 | 2398 | 2403 | rVB2 | 9496    | 12229   | 0.44%  | 0.034% |
| 67 | 17.748 | 2427 | 2433 | 2439 | rBV2 | 1546516 | 2349848 | 85.06% | 6.450% |
| 68 | 17.789 | 2439 | 2440 | 2444 | rVV  | 66919   | 66651   | 2.41%  | 0.183% |
| 69 | 17.848 | 2444 | 2450 | 2461 | rVV2 | 1736506 | 2530476 | 91.60% | 6.946% |
| 70 | 17.925 | 2461 | 2463 | 2471 | rVB5 | 7159    | 12664   | 0.46%  | 0.035% |
| 71 | 18.189 | 2505 | 2508 | 2512 | rVB2 | 12841   | 15007   | 0.54%  | 0.041% |

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 ET2Q7

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Method : Z:\HPCHEM1\BNA\_N\METHODS\SOM-EPA-BN031918.M  
 Title : SVOA CALIBRATION

|     |        |      |      |      |      |         |         |         |        |
|-----|--------|------|------|------|------|---------|---------|---------|--------|
| 72  | 18.319 | 2526 | 2530 | 2534 | rBV2 | 10525   | 15342   | 0.56%   | 0.042% |
| 73  | 18.366 | 2534 | 2538 | 2542 | rVB5 | 4895    | 7290    | 0.26%   | 0.020% |
| 74  | 18.589 | 2571 | 2576 | 2585 | rBV3 | 109190  | 215156  | 7.79%   | 0.591% |
| 75  | 18.666 | 2585 | 2589 | 2592 | rVB2 | 19832   | 29059   | 1.05%   | 0.080% |
| 76  | 18.866 | 2621 | 2623 | 2627 | rVB2 | 7720    | 7346    | 0.27%   | 0.020% |
| 77  | 18.907 | 2627 | 2630 | 2633 | rVB4 | 6119    | 7657    | 0.28%   | 0.021% |
| 78  | 19.101 | 2660 | 2663 | 2667 | rBV4 | 3842    | 6494    | 0.24%   | 0.018% |
| 79  | 19.348 | 2701 | 2705 | 2708 | rVB3 | 7656    | 10837   | 0.39%   | 0.030% |
| 80  | 19.660 | 2753 | 2758 | 2761 | rBV5 | 6640    | 9740    | 0.35%   | 0.027% |
| 81  | 19.748 | 2767 | 2773 | 2774 | rBV  | 22538   | 31971   | 1.16%   | 0.088% |
| 82  | 19.777 | 2774 | 2778 | 2784 | rVB  | 102986  | 139821  | 5.06%   | 0.384% |
| 83  | 19.842 | 2784 | 2789 | 2801 | rBV  | 225877  | 440424  | 15.94%  | 1.209% |
| 84  | 19.995 | 2812 | 2815 | 2821 | rVB  | 19314   | 27920   | 1.01%   | 0.077% |
| 85  | 20.107 | 2828 | 2834 | 2844 | rVB  | 1810395 | 2762551 | 100.00% | 7.583% |
| 86  | 20.583 | 2913 | 2915 | 2917 | rBV2 | 8617    | 9978    | 0.36%   | 0.027% |
| 87  | 20.619 | 2919 | 2921 | 2927 | rVB4 | 21798   | 25483   | 0.92%   | 0.070% |
| 88  | 20.971 | 2976 | 2981 | 2985 | rBV2 | 72531   | 91282   | 3.30%   | 0.251% |
| 89  | 21.071 | 2996 | 2998 | 3002 | rBV3 | 10461   | 8921    | 0.32%   | 0.024% |
| 90  | 21.554 | 3074 | 3080 | 3086 | rBV7 | 34246   | 91632   | 3.32%   | 0.252% |
| 91  | 21.742 | 3109 | 3112 | 3116 | rBV  | 23084   | 25716   | 0.93%   | 0.071% |
| 92  | 21.883 | 3129 | 3136 | 3141 | rBV2 | 1569369 | 2195058 | 79.46%  | 6.025% |
| 93  | 22.454 | 3230 | 3233 | 3240 | rBV2 | 25952   | 39561   | 1.43%   | 0.109% |
| 94  | 22.960 | 3316 | 3319 | 3325 | rVB2 | 35239   | 53664   | 1.94%   | 0.147% |
| 95  | 23.518 | 3410 | 3414 | 3423 | rVB  | 83459   | 146600  | 5.31%   | 0.402% |
| 96  | 23.613 | 3426 | 3430 | 3435 | rBV2 | 41771   | 85505   | 3.10%   | 0.235% |
| 97  | 24.148 | 3517 | 3521 | 3524 | rBV  | 73119   | 116132  | 4.20%   | 0.319% |
| 98  | 24.207 | 3524 | 3531 | 3539 | rVV2 | 841076  | 1668810 | 60.41%  | 4.581% |
| 99  | 24.365 | 3551 | 3558 | 3575 | rVB2 | 794268  | 1679688 | 60.80%  | 4.611% |
| 100 | 24.877 | 3641 | 3645 | 3654 | rVB  | 52033   | 103818  | 3.76%   | 0.285% |

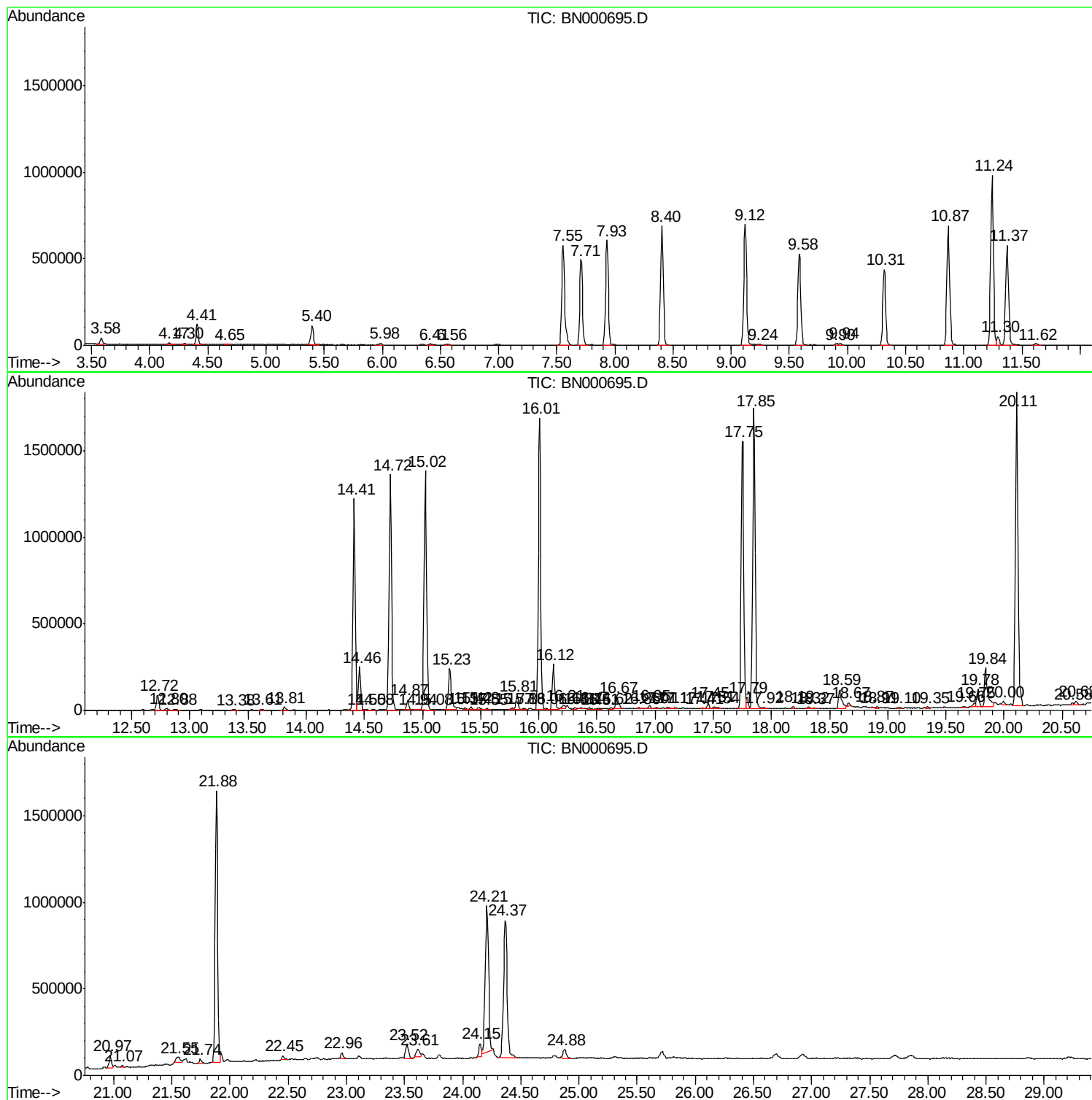
Sum of corrected areas: 36431052

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Quant Method : Z:\HPCHEM1\BNA\_N\METHODS\SOM-EPA-BN031918.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 N\METHODS\SOM-EPA-BN031918.M  
Quant Title : SVOA CALIBRATION

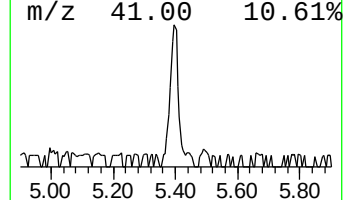
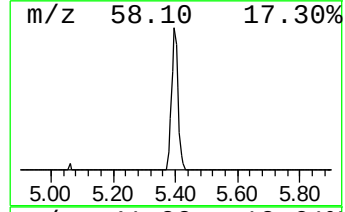
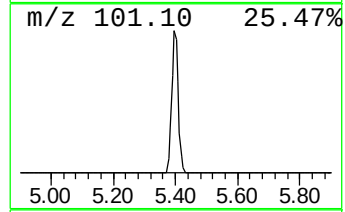
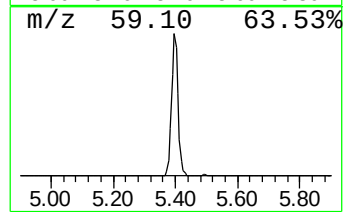
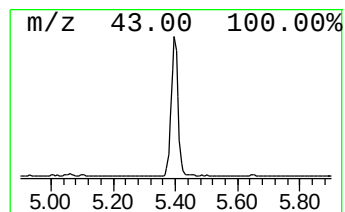
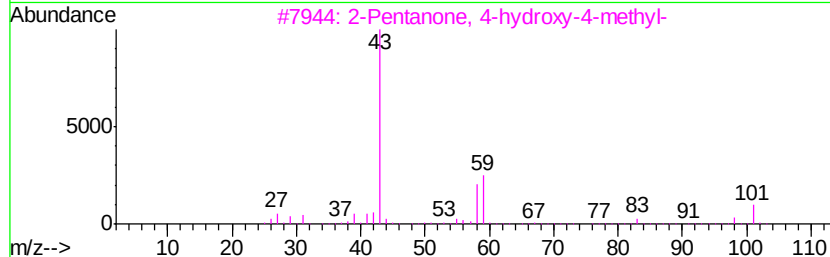
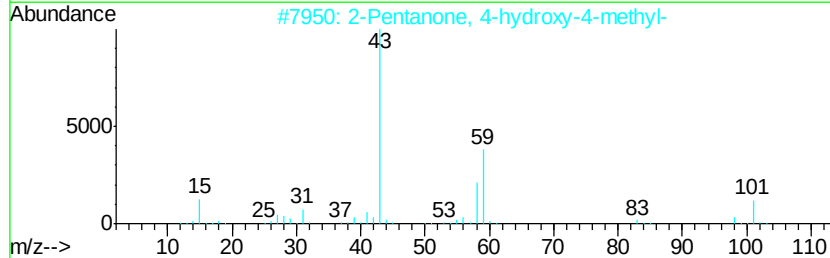
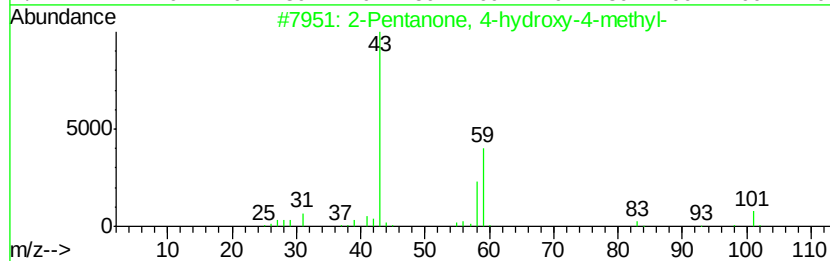
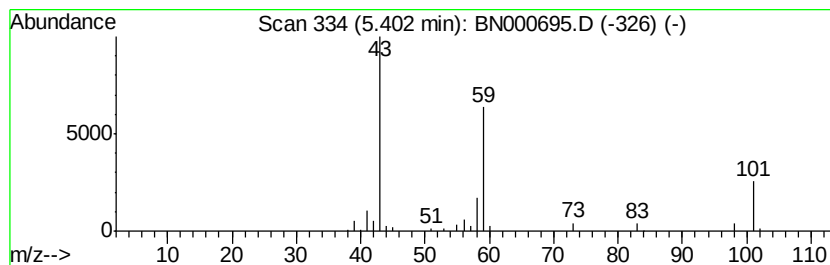
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 2 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 2

| R.T. | EstConc    | Area   | Relative to ISTD       | R.T. |
|------|------------|--------|------------------------|------|
| 5.40 | 3.13 ng/ul | 178187 | 1,4-Dichlorobenzene-d4 | 8.40 |

| Hit# | of | Tentative ID                        | MW  | MolForm | CAS#        | Qual |
|------|----|-------------------------------------|-----|---------|-------------|------|
| 1    | 5  | 2-Pentanone, 4-hydroxy-4-methyl-    | 116 | C6H12O2 | 000123-42-2 | 47   |
| 2    |    | 2-Pentanone, 4-hydroxy-4-methyl-    | 116 | C6H12O2 | 000123-42-2 | 45   |
| 3    |    | 2-Pentanone, 4-hydroxy-4-methyl-    | 116 | C6H12O2 | 000123-42-2 | 37   |
| 4    |    | Acetic acid, 1,1-dimethylethyl e... | 116 | C6H12O2 | 000540-88-5 | 36   |
| 5    |    | 4-Hydroxy-3-hexanone                | 116 | C6H12O2 | 004984-85-4 | 23   |



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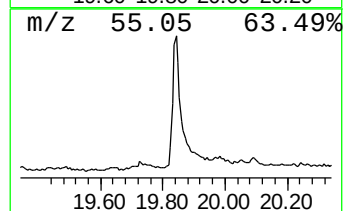
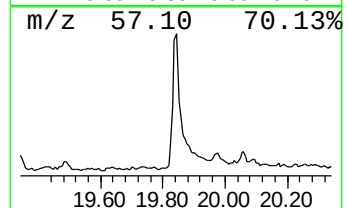
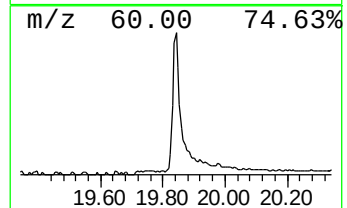
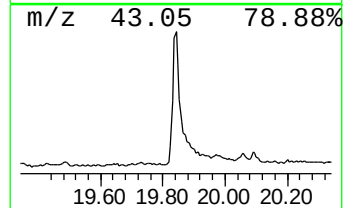
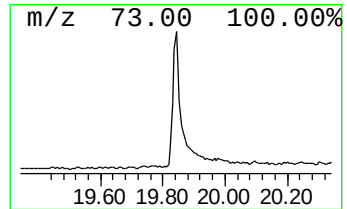
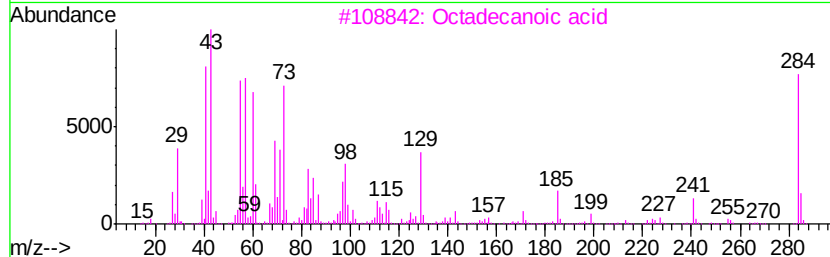
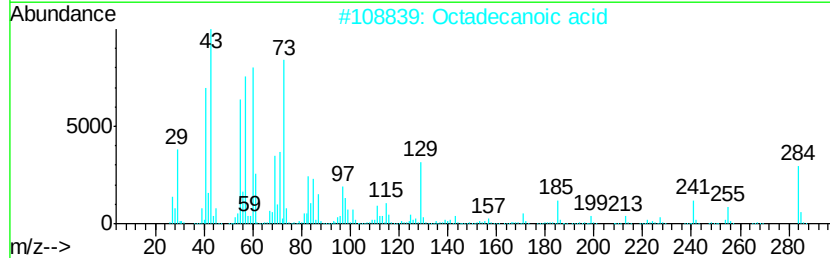
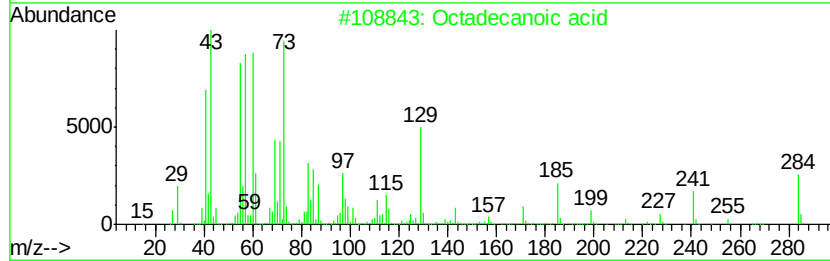
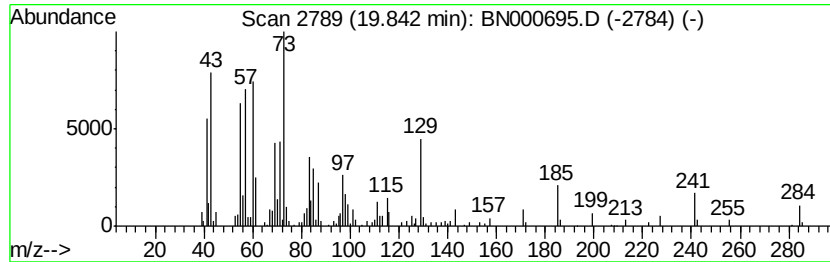
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 3 Octadecanoic acid Concentration Rank 1

| R.T.  | EstConc    | Area   | Relative to ISTD | R.T.  |
|-------|------------|--------|------------------|-------|
| 19.84 | 4.01 ng/ul | 440424 | Chrysene-d12     | 21.88 |

| Hit# | of | 5 | Tentative ID                       | MW  | MolForm  | CAS#        | Qual |
|------|----|---|------------------------------------|-----|----------|-------------|------|
| 1    |    |   | Octadecanoic acid                  | 284 | C18H36O2 | 000057-11-4 | 99   |
| 2    |    |   | Octadecanoic acid                  | 284 | C18H36O2 | 000057-11-4 | 96   |
| 3    |    |   | Octadecanoic acid                  | 284 | C18H36O2 | 000057-11-4 | 95   |
| 4    |    |   | Pentadecanoic acid                 | 242 | C15H30O2 | 001002-84-2 | 91   |
| 5    |    |   | Octadecanoic acid, 2-(2-hydroxy... | 372 | C22H44O4 | 000106-11-6 | 87   |



Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA\_N\DATA\BN040218\  
Data File : BN000695.D  
Acq On : 02 Apr 2018 15:14  
Operator : JU/SJ  
Sample : J2082-03  
Misc :  
ALS Vial : 6 Sample Multiplier: 1

Instrument :  
BNA\_N  
ClientSampleId :  
ET2Q7

Quant Method : Z:\HPCHEM1\BNA\_N\METHODS\SOM-EPA-BN031918.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 |
| 2-Pentanone, 4-hy... | 5.40  | 3.1     | ng/ul | 178187   | 1                     | 8.40  | 1138420 | 20.0 |
| Octadecanoic acid    | 19.84 | 4.0     | ng/ul | 440424   | 5                     | 21.88 | 2195060 | 20.0 |