

Data Path : Z:\SVOASRV\HPCHEM1\BNA\_N\DATA\BN070318\  
 Data File : BN001943.D  
 Acq On : 03 Jul 2018 14:55  
 Operator : JU/SJ  
 Sample : J3721-08  
 Misc :  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 F1H19

## 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\_N\METHODS\SOM-EPA-BN061918.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      | 3.023    | 3          | 6        | 31        | rVB   | 4113747     | 6076983    | 40.58%       | 3.687%     |
| 2      | 3.270    | 44         | 48       | 57        | rVB   | 122644      | 179049     | 1.20%        | 0.109%     |
| 3      | 3.770    | 130        | 133      | 140       | rVB3  | 19599       | 29198      | 0.19%        | 0.018%     |
| 4      | 3.893    | 150        | 154      | 160       | rVB   | 37800       | 57543      | 0.38%        | 0.035%     |
| 5      | 4.193    | 202        | 205      | 209       | rVB2  | 28284       | 36504      | 0.24%        | 0.022%     |
| 6      | 4.875    | 316        | 321      | 325       | rBV5  | 17524       | 34151      | 0.23%        | 0.021%     |
| 7      | 5.828    | 478        | 483      | 491       | rBV3  | 20106       | 34840      | 0.23%        | 0.021%     |
| 8      | 6.381    | 572        | 577      | 582       | rVB6  | 13921       | 25668      | 0.17%        | 0.016%     |
| 9      | 6.881    | 655        | 662      | 679       | rBV   | 2216778     | 3624472    | 24.20%       | 2.199%     |
| 10     | 7.052    | 684        | 691      | 703       | rBV   | 1837069     | 2795704    | 18.67%       | 1.696%     |
| 11     | 7.246    | 717        | 724      | 735       | rVB   | 2242683     | 3507805    | 23.42%       | 2.128%     |
| 12     | 7.711    | 796        | 803      | 810       | rBV   | 1895875     | 2973929    | 19.86%       | 1.804%     |
| 13     | 8.411    | 914        | 922      | 935       | rBV   | 2712769     | 4405640    | 29.42%       | 2.673%     |
| 14     | 8.858    | 990        | 998      | 1010      | rBV   | 2144920     | 3526440    | 23.55%       | 2.140%     |
| 15     | 8.969    | 1011       | 1017     | 1023      | rVV4  | 34175       | 63347      | 0.42%        | 0.038%     |
| 16     | 9.028    | 1023       | 1027     | 1034      | rVB7  | 15134       | 26054      | 0.17%        | 0.016%     |
| 17     | 9.299    | 1066       | 1073     | 1079      | rBV2  | 16061       | 25010      | 0.17%        | 0.015%     |
| 18     | 9.569    | 1111       | 1119     | 1136      | rBV   | 1721180     | 2832707    | 18.92%       | 1.719%     |
| 19     | 10.105   | 1202       | 1210     | 1229      | rVB   | 2844599     | 4688977    | 31.31%       | 2.845%     |
| 20     | 10.269   | 1234       | 1238     | 1243      | rBV4  | 19389       | 31469      | 0.21%        | 0.019%     |
| 21     | 10.481   | 1265       | 1274     | 1282      | rBV   | 2861169     | 4773962    | 31.88%       | 2.897%     |
| 22     | 10.616   | 1288       | 1297     | 1313      | rBV   | 2643918     | 4541182    | 30.33%       | 2.755%     |
| 23     | 11.981   | 1523       | 1529     | 1537      | rVB3  | 13987       | 28066      | 0.19%        | 0.017%     |
| 24     | 12.075   | 1537       | 1545     | 1551      | rBV   | 58129       | 97307      | 0.65%        | 0.059%     |
| 25     | 12.693   | 1646       | 1650     | 1655      | rVB3  | 25017       | 38754      | 0.26%        | 0.024%     |
| 26     | 12.946   | 1688       | 1693     | 1698      | rBV2  | 40622       | 58148      | 0.39%        | 0.035%     |
| 27     | 13.751   | 1823       | 1830     | 1834      | rBV   | 5378072     | 7409009    | 49.48%       | 4.495%     |
| 28     | 13.799   | 1834       | 1838     | 1844      | rVB   | 2562626     | 3438031    | 22.96%       | 2.086%     |
| 29     | 14.028   | 1868       | 1877     | 1889      | rBV   | 6096450     | 8939797    | 59.70%       | 5.424%     |
| 30     | 14.257   | 1911       | 1916     | 1920      | rVV   | 77052       | 99471      | 0.66%        | 0.060%     |
| 31     | 14.340   | 1923       | 1930     | 1938      | rVV2  | 4321250     | 6715318    | 44.84%       | 4.075%     |
| 32     | 14.534   | 1956       | 1963     | 1981      | rBV   | 1868776     | 2742926    | 18.32%       | 1.664%     |
| 33     | 14.698   | 1986       | 1991     | 1998      | rVV6  | 25057       | 65861      | 0.44%        | 0.040%     |
| 34     | 14.763   | 1998       | 2002     | 2007      | rVV4  | 66426       | 105032     | 0.70%        | 0.064%     |

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 Peak separation: 5

Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\SOM-EPA-BN061918.M  
 Title : SVOA CALIBRATION

|    |        |      |      |      |      |         |          |        |        |
|----|--------|------|------|------|------|---------|----------|--------|--------|
| 35 | 14.875 | 2017 | 2021 | 2027 | rVB5 | 29868   | 43551    | 0.29%  | 0.026% |
| 36 | 14.946 | 2027 | 2033 | 2036 | rBV4 | 21322   | 27682    | 0.18%  | 0.017% |
| 37 | 15.157 | 2064 | 2069 | 2074 | rBV2 | 102575  | 158781   | 1.06%  | 0.096% |
| 38 | 15.210 | 2074 | 2078 | 2084 | rVB  | 184182  | 221873   | 1.48%  | 0.135% |
| 39 | 15.334 | 2092 | 2099 | 2106 | rBV  | 7897170 | 11166878 | 74.57% | 6.776% |
| 40 | 15.445 | 2112 | 2118 | 2127 | rBV  | 1836915 | 2623896  | 17.52% | 1.592% |
| 41 | 15.575 | 2135 | 2140 | 2143 | rBV  | 87565   | 135093   | 0.90%  | 0.082% |
| 42 | 15.616 | 2144 | 2147 | 2152 | rVB2 | 50712   | 75473    | 0.50%  | 0.046% |
| 43 | 15.710 | 2159 | 2163 | 2168 | rVB6 | 25021   | 37949    | 0.25%  | 0.023% |
| 44 | 15.769 | 2168 | 2173 | 2177 | rBV2 | 29178   | 40230    | 0.27%  | 0.024% |
| 45 | 15.834 | 2179 | 2184 | 2189 | rVB6 | 22318   | 36633    | 0.24%  | 0.022% |
| 46 | 15.904 | 2191 | 2196 | 2200 | rBV7 | 12889   | 27145    | 0.18%  | 0.016% |
| 47 | 16.022 | 2211 | 2216 | 2220 | rBV7 | 20806   | 42300    | 0.28%  | 0.026% |
| 48 | 16.075 | 2220 | 2225 | 2228 | rBV  | 186682  | 265203   | 1.77%  | 0.161% |
| 49 | 16.240 | 2250 | 2253 | 2258 | rBV2 | 38188   | 48297    | 0.32%  | 0.029% |
| 50 | 16.345 | 2266 | 2271 | 2273 | rBV3 | 15943   | 25195    | 0.17%  | 0.015% |
| 51 | 16.416 | 2280 | 2283 | 2290 | rVB7 | 20156   | 38814    | 0.26%  | 0.024% |
| 52 | 16.498 | 2294 | 2297 | 2300 | rVB4 | 24492   | 29371    | 0.20%  | 0.018% |
| 53 | 16.863 | 2355 | 2359 | 2365 | rVV2 | 148983  | 207123   | 1.38%  | 0.126% |
| 54 | 16.916 | 2365 | 2368 | 2373 | rVB4 | 37150   | 52663    | 0.35%  | 0.032% |
| 55 | 17.004 | 2378 | 2383 | 2384 | rBV4 | 17762   | 26678    | 0.18%  | 0.016% |
| 56 | 17.081 | 2389 | 2396 | 2402 | rBV2 | 5548234 | 8250772  | 55.10% | 5.006% |
| 57 | 17.181 | 2407 | 2413 | 2424 | rVV2 | 8123363 | 11995820 | 80.11% | 7.279% |
| 58 | 17.275 | 2425 | 2429 | 2434 | rVB6 | 35668   | 64884    | 0.43%  | 0.039% |
| 59 | 17.463 | 2456 | 2461 | 2464 | rBV5 | 20309   | 37948    | 0.25%  | 0.023% |
| 60 | 17.604 | 2481 | 2485 | 2488 | rBV  | 69476   | 75690    | 0.51%  | 0.046% |
| 61 | 17.775 | 2510 | 2514 | 2522 | rVB  | 55683   | 81528    | 0.54%  | 0.049% |
| 62 | 17.869 | 2524 | 2530 | 2536 | rBV3 | 157505  | 355898   | 2.38%  | 0.216% |
| 63 | 17.922 | 2537 | 2539 | 2546 | rVB5 | 46588   | 56900    | 0.38%  | 0.035% |
| 64 | 17.992 | 2546 | 2551 | 2559 | rBV  | 1131948 | 1682745  | 11.24% | 1.021% |
| 65 | 18.298 | 2598 | 2603 | 2610 | rBV2 | 74862   | 127535   | 0.85%  | 0.077% |
| 66 | 18.716 | 2670 | 2674 | 2678 | rBV7 | 24042   | 28488    | 0.19%  | 0.017% |
| 67 | 18.881 | 2698 | 2702 | 2705 | rBV4 | 33853   | 55878    | 0.37%  | 0.034% |
| 68 | 18.934 | 2707 | 2711 | 2717 | rVB5 | 48753   | 108534   | 0.72%  | 0.066% |
| 69 | 19.116 | 2734 | 2742 | 2743 | rBV  | 130221  | 214513   | 1.43%  | 0.130% |
| 70 | 19.145 | 2743 | 2747 | 2756 | rVB  | 320959  | 517820   | 3.46%  | 0.314% |
| 71 | 19.281 | 2766 | 2770 | 2780 | rBV  | 379473  | 603142   | 4.03%  | 0.366% |

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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\_N\METHODS\SOM-EPA-BN061918.M  
Title : SVOA CALIBRATION

|     |        |      |      |      |      |          |          |         |        |
|-----|--------|------|------|------|------|----------|----------|---------|--------|
| 72  | 19.363 | 2781 | 2784 | 2792 | rVB  | 118493   | 186841   | 1.25%   | 0.113% |
| 73  | 19.481 | 2798 | 2804 | 2813 | rBV2 | 10668128 | 14974794 | 100.00% | 9.086% |
| 74  | 19.551 | 2813 | 2816 | 2819 | rVB3 | 78676    | 90902    | 0.61%   | 0.055% |
| 75  | 19.716 | 2841 | 2844 | 2849 | rVB  | 66881    | 78338    | 0.52%   | 0.048% |
| 76  | 19.834 | 2861 | 2864 | 2873 | rVB6 | 54516    | 115314   | 0.77%   | 0.070% |
| 77  | 19.975 | 2884 | 2888 | 2889 | rBV3 | 49158    | 62003    | 0.41%   | 0.038% |
| 78  | 20.010 | 2891 | 2894 | 2898 | rVB  | 91821    | 120999   | 0.81%   | 0.073% |
| 79  | 20.051 | 2899 | 2901 | 2904 | rVB2 | 39715    | 37263    | 0.25%   | 0.023% |
| 80  | 20.110 | 2907 | 2911 | 2914 | rVB  | 86544    | 107804   | 0.72%   | 0.065% |
| 81  | 20.163 | 2916 | 2920 | 2925 | rVV2 | 81101    | 136383   | 0.91%   | 0.083% |
| 82  | 20.304 | 2941 | 2944 | 2948 | rBV  | 66580    | 89047    | 0.59%   | 0.054% |
| 83  | 20.351 | 2948 | 2952 | 2957 | rBV5 | 64049    | 102605   | 0.69%   | 0.062% |
| 84  | 20.851 | 3034 | 3037 | 3041 | rVB  | 85774    | 86639    | 0.58%   | 0.053% |
| 85  | 20.922 | 3047 | 3049 | 3053 | rVB  | 62526    | 70137    | 0.47%   | 0.043% |
| 86  | 20.963 | 3054 | 3056 | 3059 | rVV  | 67964    | 70712    | 0.47%   | 0.043% |
| 87  | 21.016 | 3060 | 3065 | 3070 | rVV3 | 257633   | 498960   | 3.33%   | 0.303% |
| 88  | 21.069 | 3071 | 3074 | 3083 | rVB  | 141719   | 215145   | 1.44%   | 0.131% |
| 89  | 21.210 | 3095 | 3098 | 3102 | rBV  | 109554   | 145866   | 0.97%   | 0.089% |
| 90  | 21.280 | 3103 | 3110 | 3114 | rVV  | 7574404  | 10109947 | 67.51%  | 6.134% |
| 91  | 21.316 | 3114 | 3116 | 3125 | rVB  | 528771   | 648313   | 4.33%   | 0.393% |
| 92  | 21.457 | 3137 | 3140 | 3143 | rVB  | 101125   | 107702   | 0.72%   | 0.065% |
| 93  | 21.892 | 3210 | 3214 | 3217 | rBV2 | 155609   | 196850   | 1.31%   | 0.119% |
| 94  | 22.357 | 3289 | 3293 | 3298 | rVB  | 193185   | 275530   | 1.84%   | 0.167% |
| 95  | 22.480 | 3310 | 3314 | 3321 | rBV  | 423543   | 575028   | 3.84%   | 0.349% |
| 96  | 22.845 | 3370 | 3376 | 3377 | rBV  | 538347   | 838286   | 5.60%   | 0.509% |
| 97  | 23.316 | 3452 | 3456 | 3458 | rBV  | 229653   | 344334   | 2.30%   | 0.209% |
| 98  | 23.369 | 3458 | 3465 | 3471 | rVV  | 6483224  | 12010854 | 80.21%  | 7.288% |
| 99  | 23.510 | 3482 | 3489 | 3506 | rVB  | 4336223  | 8415047  | 56.19%  | 5.106% |
| 100 | 24.074 | 3581 | 3585 | 3593 | rVB  | 263243   | 481725   | 3.22%   | 0.292% |

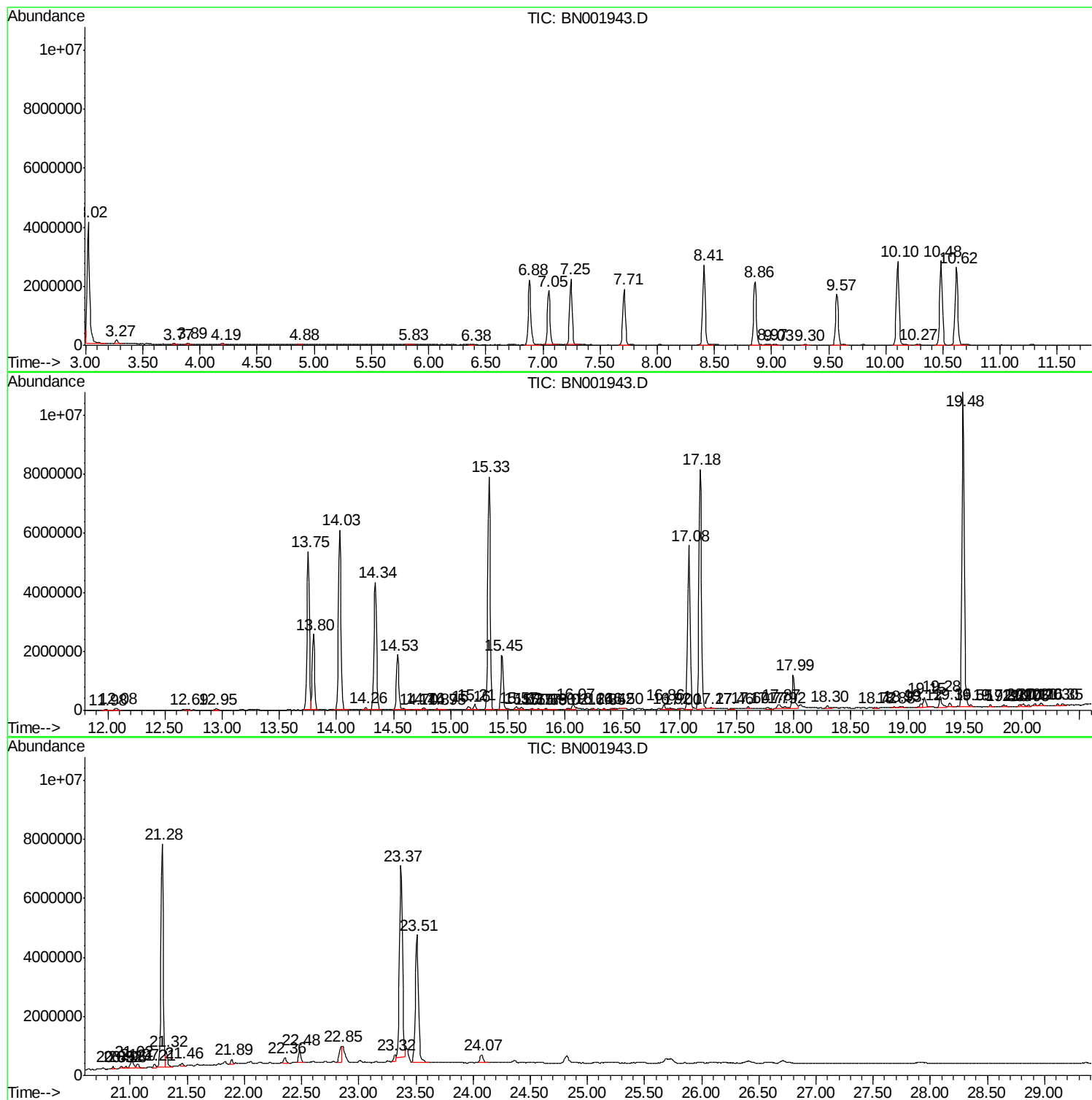
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\SOM-EPA-BN061918.M  
Quant Title : SVOA CALIBRATION

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



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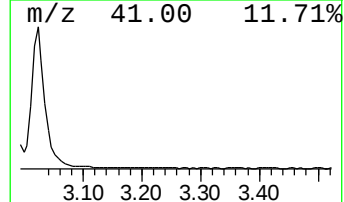
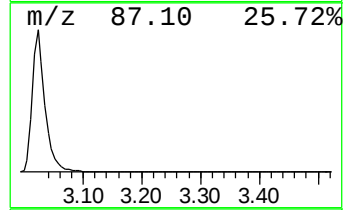
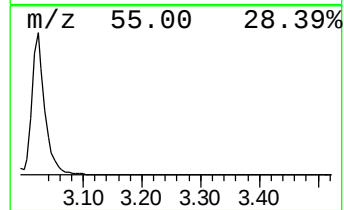
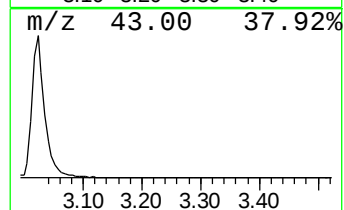
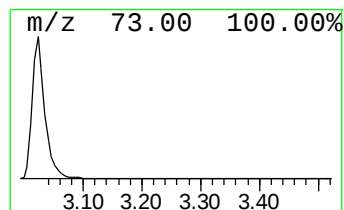
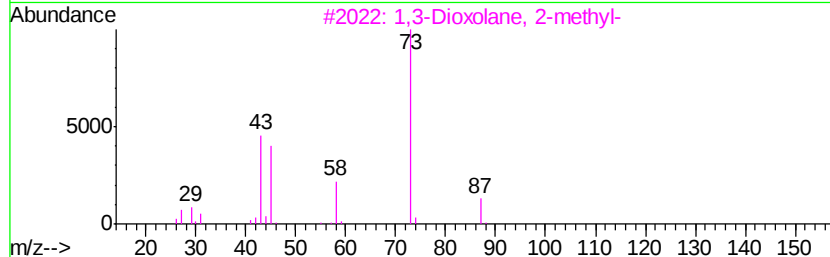
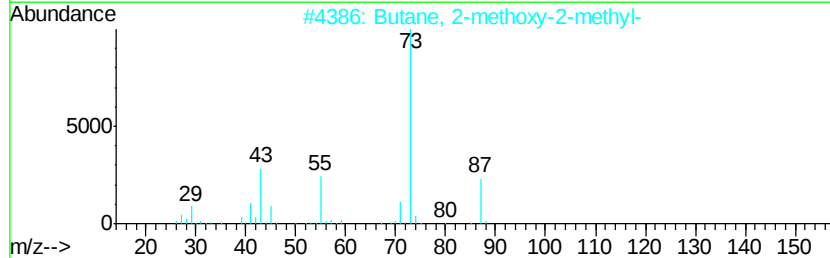
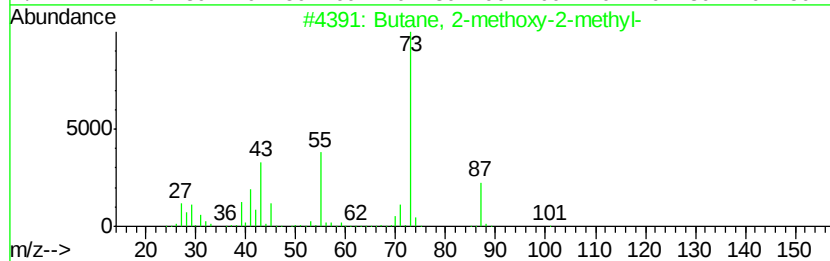
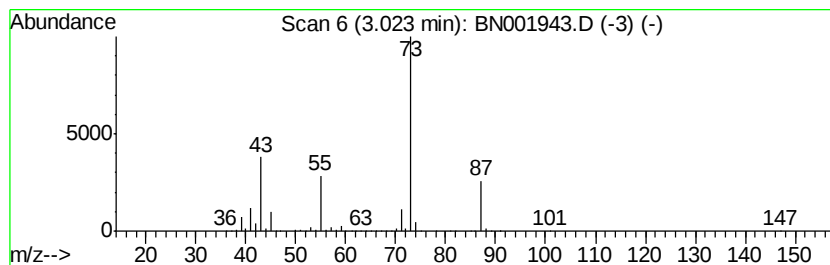
Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\SOM-EPA-BN061918.M  
Quant Title : SVOA CALIBRATION

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 1

| R.T. | EstConc     | Area    | Relative to ISTD       | R.T. |
|------|-------------|---------|------------------------|------|
| 3.02 | 40.87 ng/ul | 6076980 | 1,4-Dichlorobenzene-d4 | 7.71 |

| 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    |    | 1,3-Dioxolane, 2-methyl-    | 88  | C4H8O2  | 000497-26-7 | 25   |
| 4    |    | Acetamide, N-ethyl-         | 87  | C4H9NO  | 000625-50-3 | 22   |
| 5    |    | Pentane, 3-methoxy-         | 102 | C6H14O  | 036839-67-5 | 17   |



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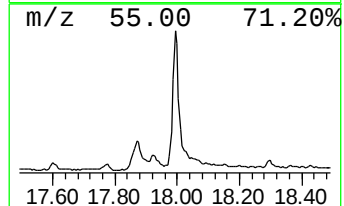
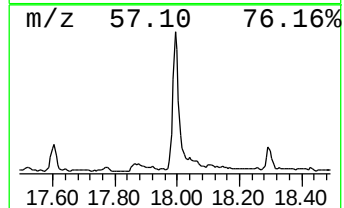
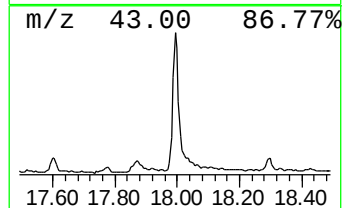
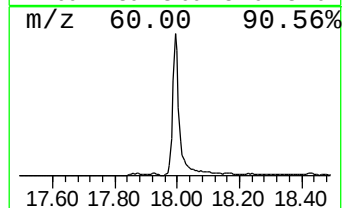
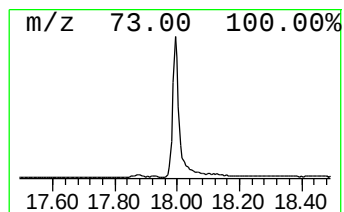
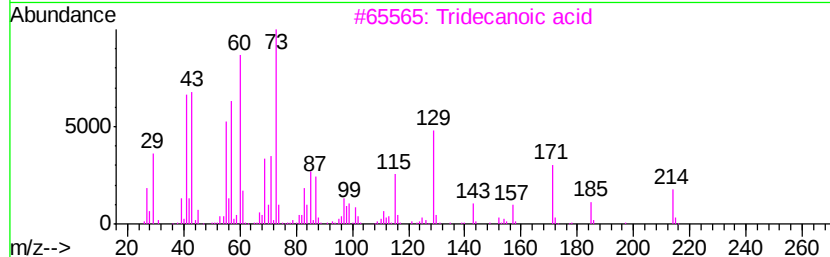
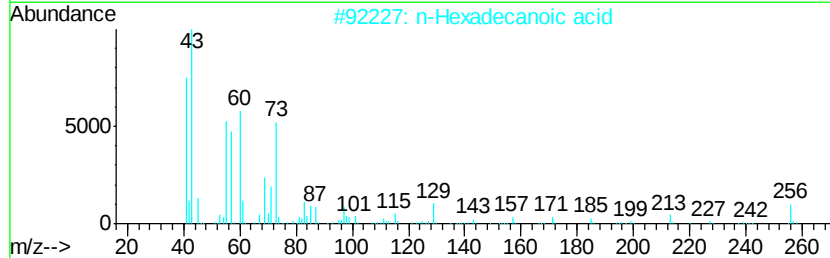
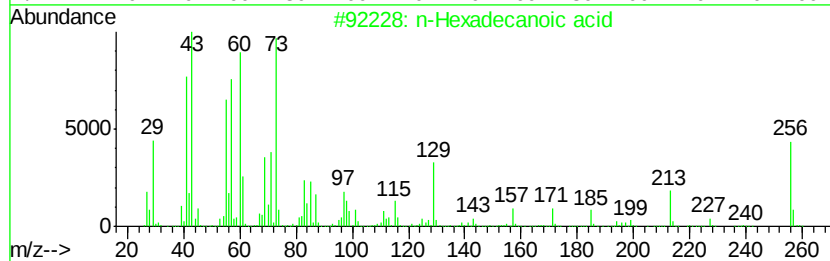
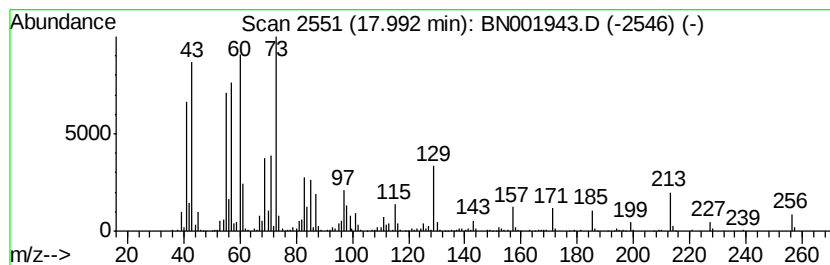
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 2 n-Hexadecanoic acid Concentration Rank 2

| R.T.  | EstConc    | Area    | Relative to ISTD | R.T.  |
|-------|------------|---------|------------------|-------|
| 17.99 | 4.08 ng/ul | 1682750 | Phenanthrene-d10 | 17.08 |

| Hit# | of | Tentative ID        | MW  | MolForm  | CAS#        | Qual |
|------|----|---------------------|-----|----------|-------------|------|
| 1    | 5  | n-Hexadecanoic acid | 256 | C16H32O2 | 000057-10-3 | 98   |
| 2    |    | n-Hexadecanoic acid | 256 | C16H32O2 | 000057-10-3 | 96   |
| 3    |    | Tridecanoic acid    | 214 | C13H26O2 | 000638-53-9 | 93   |
| 4    |    | n-Hexadecanoic acid | 256 | C16H32O2 | 000057-10-3 | 90   |
| 5    |    | Tetradecanoic acid  | 228 | C14H28O2 | 000544-63-8 | 76   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA\_N\DATA\BN070318\  
Data File : BN001943.D  
Acq On : 03 Jul 2018 14:55  
Operator : JU/SJ  
Sample : J3721-08  
Misc :  
ALS Vial : 10 Sample Multiplier: 1

Instrument :  
BNA\_N  
ClientSampleId :  
F1H19

Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\SOM-EPA-BN061918.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... | 3.02  | 40.9    | ng/ul | 6076980  | 1                     | 7.71  | 2973930 | 20.0 |
| n-Hexadecanoic acid  | 17.99 | 4.1     | ng/ul | 1682750  | 4                     | 17.08 | 8250770 | 20.0 |