

Data Path : Z:\HPCHEM1\BNA G\DATA\BG080217\  
 Data File : BG028131.D  
 Acq On : 3 Aug 2017 8:16  
 Operator : SJ/JU  
 Sample : I4405-16  
 Misc :  
 ALS Vial : 30 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 JJ2Y3

## Integration Parameters: LSCINT.P

Integrator: RTE  
 Smoothing : ON  
 Sampling : 1  
 Start Thrs: 0.1  
 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: 1

Method : Z:\HPCHEM1\BNA\_G\METHODS\SOM-EPA-BG080217.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         | 3.763       | 27            | 30          | 33           | rBV4     | 2138           | 2773          | 0.27%           | 0.021%        |
| 2         | 3.851       | 41            | 45          | 50           | rBV4     | 7960           | 9632          | 0.93%           | 0.071%        |
| 3         | 3.998       | 67            | 70          | 77           | rVB5     | 4343           | 8832          | 0.85%           | 0.065%        |
| 4         | 4.069       | 81            | 82          | 89           | rVB5     | 2214           | 2639          | 0.25%           | 0.020%        |
| 5         | 4.586       | 165           | 170         | 175          | rBV5     | 1822           | 3883          | 0.37%           | 0.029%        |
| 6         | 4.715       | 187           | 192         | 193          | rBV      | 1675           | 2233          | 0.21%           | 0.017%        |
| 7         | 4.786       | 200           | 204         | 209          | rBV5     | 4131           | 6521          | 0.63%           | 0.048%        |
| 8         | 4.938       | 228           | 230         | 232          | rBV3     | 2160           | 2034          | 0.20%           | 0.015%        |
| 9         | 5.403       | 308           | 309         | 314          | rBV3     | 1901           | 2308          | 0.22%           | 0.017%        |
| 10        | 5.485       | 314           | 323         | 331          | rVV3     | 10524          | 19377         | 1.86%           | 0.144%        |
| 11        | 5.808       | 376           | 378         | 382          | rVB3     | 1824           | 2352          | 0.23%           | 0.017%        |
| 12        | 5.849       | 382           | 385         | 391          | rBV      | 1471           | 2979          | 0.29%           | 0.022%        |
| 13        | 6.108       | 425           | 429         | 434          | rVB2     | 1070           | 1970          | 0.19%           | 0.015%        |
| 14        | 6.272       | 454           | 457         | 460          | rBV3     | 1316           | 1994          | 0.19%           | 0.015%        |
| 15        | 6.454       | 483           | 488         | 492          | rBV3     | 1629           | 2283          | 0.22%           | 0.017%        |
| 16        | 6.572       | 505           | 508         | 512          | rVB3     | 1374           | 2051          | 0.20%           | 0.015%        |
| 17        | 6.748       | 537           | 538         | 543          | rBV      | 1469           | 2327          | 0.22%           | 0.017%        |
| 18        | 6.995       | 572           | 580         | 589          | rVB5     | 3295           | 7388          | 0.71%           | 0.055%        |
| 19        | 7.524       | 662           | 670         | 681          | rBV2     | 129014         | 282799        | 27.19%          | 2.095%        |
| 20        | 7.688       | 692           | 698         | 709          | rVB      | 91447          | 151445        | 14.56%          | 1.122%        |
| 21        | 7.759       | 709           | 710         | 719          | rVB3     | 1424           | 3259          | 0.31%           | 0.024%        |
| 22        | 7.911       | 722           | 736         | 745          | rBV      | 115931         | 218413        | 21.00%          | 1.618%        |
| 23        | 8.058       | 753           | 761         | 765          | rVB2     | 1603           | 3058          | 0.29%           | 0.023%        |
| 24        | 8.170       | 779           | 780         | 787          | rVB2     | 1135           | 2206          | 0.21%           | 0.016%        |
| 25        | 8.376       | 807           | 815         | 823          | rBV      | 129724         | 231071        | 22.22%          | 1.711%        |
| 26        | 8.569       | 844           | 848         | 852          | rVB2     | 1184           | 2074          | 0.20%           | 0.015%        |
| 27        | 8.616       | 852           | 856         | 861          | rBV4     | 2734           | 4938          | 0.47%           | 0.037%        |
| 28        | 8.822       | 887           | 891         | 895          | rBV      | 1129           | 2037          | 0.20%           | 0.015%        |
| 29        | 9.069       | 925           | 933         | 946          | rBV      | 160456         | 307590        | 29.58%          | 2.278%        |
| 30        | 9.151       | 946           | 947         | 952          | rVB2     | 1881           | 2412          | 0.23%           | 0.018%        |
| 31        | 9.210       | 952           | 957         | 960          | rBV3     | 2541           | 4749          | 0.46%           | 0.035%        |
| 32        | 9.363       | 981           | 983         | 988          | rVB      | 1325           | 1993          | 0.19%           | 0.015%        |
| 33        | 9.421       | 988           | 993         | 995          | rBV      | 1573           | 2323          | 0.22%           | 0.017%        |
| 34        | 9.539       | 1005          | 1013        | 1026         | rVB2     | 125021         | 245572        | 23.61%          | 1.819%        |

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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: 1

Method : Z:\HPCHEM1\BNA\_G\METHODS\SOM-EPA-BG080217.M  
 Title : SVOA CALIBRATION

|    |        |      |      |      |      |        |        |        |        |
|----|--------|------|------|------|------|--------|--------|--------|--------|
| 35 | 9.680  | 1034 | 1037 | 1046 | rVB5 | 2507   | 4941   | 0.48%  | 0.037% |
| 36 | 9.909  | 1071 | 1076 | 1078 | rBV3 | 2001   | 2550   | 0.25%  | 0.019% |
| 37 | 10.168 | 1119 | 1120 | 1126 | rBV2 | 1557   | 1938   | 0.19%  | 0.014% |
| 38 | 10.267 | 1126 | 1137 | 1148 | rVB  | 112284 | 207608 | 19.96% | 1.538% |
| 39 | 10.696 | 1207 | 1210 | 1214 | rVB2 | 1381   | 1944   | 0.19%  | 0.014% |
| 40 | 10.743 | 1214 | 1218 | 1221 | rBV  | 1404   | 1917   | 0.18%  | 0.014% |
| 41 | 10.814 | 1221 | 1230 | 1242 | rBV2 | 168937 | 335664 | 32.28% | 2.486% |
| 42 | 11.196 | 1287 | 1295 | 1306 | rVB  | 217190 | 399533 | 38.42% | 2.959% |
| 43 | 11.331 | 1310 | 1318 | 1332 | rBV3 | 40002  | 103023 | 9.91%  | 0.763% |
| 44 | 11.466 | 1337 | 1341 | 1344 | rBV2 | 1894   | 2333   | 0.22%  | 0.017% |
| 45 | 12.159 | 1452 | 1459 | 1460 | rBV2 | 1564   | 2692   | 0.26%  | 0.020% |
| 46 | 12.676 | 1533 | 1547 | 1556 | rBV3 | 15306  | 28150  | 2.71%  | 0.208% |
| 47 | 12.753 | 1556 | 1560 | 1568 | rVB3 | 3265   | 6327   | 0.61%  | 0.047% |
| 48 | 13.235 | 1641 | 1642 | 1646 | rBV3 | 1328   | 1887   | 0.18%  | 0.014% |
| 49 | 13.329 | 1653 | 1658 | 1665 | rBV5 | 2248   | 5596   | 0.54%  | 0.041% |
| 50 | 13.440 | 1671 | 1677 | 1680 | rBV  | 1480   | 2992   | 0.29%  | 0.022% |
| 51 | 13.575 | 1693 | 1700 | 1706 | rVB  | 3496   | 6183   | 0.59%  | 0.046% |
| 52 | 13.775 | 1730 | 1734 | 1737 | rVB3 | 1685   | 2449   | 0.24%  | 0.018% |
| 53 | 13.863 | 1747 | 1749 | 1754 | rVB  | 1800   | 2773   | 0.27%  | 0.021% |
| 54 | 14.169 | 1799 | 1801 | 1804 | rVB2 | 1905   | 1877   | 0.18%  | 0.014% |
| 55 | 14.216 | 1804 | 1809 | 1813 | rBV2 | 1476   | 3062   | 0.29%  | 0.023% |
| 56 | 14.368 | 1825 | 1835 | 1839 | rBV  | 387720 | 555012 | 53.37% | 4.111% |
| 57 | 14.415 | 1839 | 1843 | 1849 | rVB  | 126240 | 186143 | 17.90% | 1.379% |
| 58 | 14.615 | 1869 | 1877 | 1878 | rBV3 | 2019   | 3270   | 0.31%  | 0.024% |
| 59 | 14.674 | 1880 | 1887 | 1896 | rVV  | 394495 | 627137 | 60.31% | 4.645% |
| 60 | 14.745 | 1896 | 1899 | 1902 | rVB3 | 1884   | 1987   | 0.19%  | 0.015% |
| 61 | 14.833 | 1910 | 1914 | 1921 | rBV4 | 5081   | 7098   | 0.68%  | 0.053% |
| 62 | 14.980 | 1931 | 1939 | 1950 | rBV2 | 395405 | 664741 | 63.92% | 4.923% |
| 63 | 15.103 | 1958 | 1960 | 1965 | rBV2 | 1943   | 3214   | 0.31%  | 0.024% |
| 64 | 15.173 | 1965 | 1972 | 1988 | rVV3 | 75462  | 179552 | 17.27% | 1.330% |
| 65 | 15.320 | 1992 | 1997 | 2003 | rVB6 | 6255   | 13868  | 1.33%  | 0.103% |
| 66 | 15.361 | 2003 | 2004 | 2007 | rBV3 | 2842   | 3437   | 0.33%  | 0.025% |
| 67 | 15.450 | 2015 | 2019 | 2023 | rVB3 | 4118   | 7303   | 0.70%  | 0.054% |
| 68 | 15.520 | 2027 | 2031 | 2038 | rVV6 | 3771   | 7205   | 0.69%  | 0.053% |
| 69 | 15.696 | 2058 | 2061 | 2063 | rBV3 | 3211   | 3123   | 0.30%  | 0.023% |
| 70 | 15.737 | 2065 | 2068 | 2070 | rBV2 | 3609   | 4233   | 0.41%  | 0.031% |
| 71 | 15.779 | 2070 | 2075 | 2082 | rVB2 | 15586  | 24262  | 2.33%  | 0.180% |

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ClientSampleId :  
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Title : SVOA CALIBRATION

|     |        |      |      |      |      |        |         |         |        |
|-----|--------|------|------|------|------|--------|---------|---------|--------|
| 72  | 15.849 | 2082 | 2087 | 2090 | rBV3 | 3093   | 4334    | 0.42%   | 0.032% |
| 73  | 15.967 | 2097 | 2107 | 2118 | rBV  | 563080 | 857968  | 82.50%  | 6.355% |
| 74  | 16.072 | 2118 | 2125 | 2133 | rBV  | 158919 | 260516  | 25.05%  | 1.930% |
| 75  | 16.213 | 2138 | 2149 | 2154 | rVB7 | 11596  | 32849   | 3.16%   | 0.243% |
| 76  | 16.266 | 2156 | 2158 | 2159 | rBV2 | 2265   | 1936    | 0.19%   | 0.014% |
| 77  | 16.337 | 2167 | 2170 | 2174 | rVB5 | 3542   | 4969    | 0.48%   | 0.037% |
| 78  | 16.407 | 2177 | 2182 | 2188 | rBV5 | 5675   | 8482    | 0.82%   | 0.063% |
| 79  | 16.495 | 2193 | 2197 | 2199 | rBV4 | 3505   | 5538    | 0.53%   | 0.041% |
| 80  | 16.589 | 2207 | 2213 | 2217 | rBV9 | 6071   | 11018   | 1.06%   | 0.082% |
| 81  | 16.642 | 2217 | 2222 | 2233 | rVV3 | 24340  | 51105   | 4.91%   | 0.379% |
| 82  | 16.830 | 2251 | 2254 | 2256 | rBV4 | 2860   | 2595    | 0.25%   | 0.019% |
| 83  | 16.871 | 2258 | 2261 | 2266 | rVB3 | 16284  | 22943   | 2.21%   | 0.170% |
| 84  | 16.989 | 2277 | 2281 | 2284 | rBV6 | 5042   | 6848    | 0.66%   | 0.051% |
| 85  | 17.101 | 2298 | 2300 | 2304 | rVB4 | 3635   | 3252    | 0.31%   | 0.024% |
| 86  | 17.341 | 2340 | 2341 | 2344 | rBV3 | 3694   | 3413    | 0.33%   | 0.025% |
| 87  | 17.435 | 2353 | 2357 | 2363 | rBV2 | 20192  | 30890   | 2.97%   | 0.229% |
| 88  | 17.494 | 2363 | 2367 | 2372 | rBV7 | 9521   | 18052   | 1.74%   | 0.134% |
| 89  | 17.729 | 2399 | 2407 | 2417 | rBV  | 532230 | 876113  | 84.25%  | 6.489% |
| 90  | 17.829 | 2417 | 2424 | 2435 | rVV  | 568418 | 928692  | 89.31%  | 6.878% |
| 91  | 18.575 | 2547 | 2551 | 2561 | rBV5 | 59633  | 124622  | 11.98%  | 0.923% |
| 92  | 19.833 | 2761 | 2765 | 2772 | rBV6 | 76558  | 155993  | 15.00%  | 1.155% |
| 93  | 20.097 | 2804 | 2810 | 2821 | rVB  | 681305 | 1039903 | 100.00% | 7.702% |
| 94  | 21.631 | 3066 | 3071 | 3083 | rBV2 | 130013 | 262123  | 25.21%  | 1.941% |
| 95  | 22.059 | 3137 | 3144 | 3158 | rVB  | 492783 | 942538  | 90.64%  | 6.981% |
| 96  | 22.870 | 3277 | 3282 | 3297 | rBV  | 111474 | 251984  | 24.23%  | 1.866% |
| 97  | 24.498 | 3553 | 3559 | 3567 | rVB2 | 101568 | 201329  | 19.36%  | 1.491% |
| 98  | 25.332 | 3692 | 3701 | 3714 | rBV3 | 291602 | 879696  | 84.59%  | 6.516% |
| 99  | 25.579 | 3733 | 3743 | 3754 | rVB2 | 262449 | 895230  | 86.09%  | 6.631% |
| 100 | 31.384 | 4717 | 4731 | 4755 | rBV2 | 103989 | 649989  | 62.50%  | 4.814% |

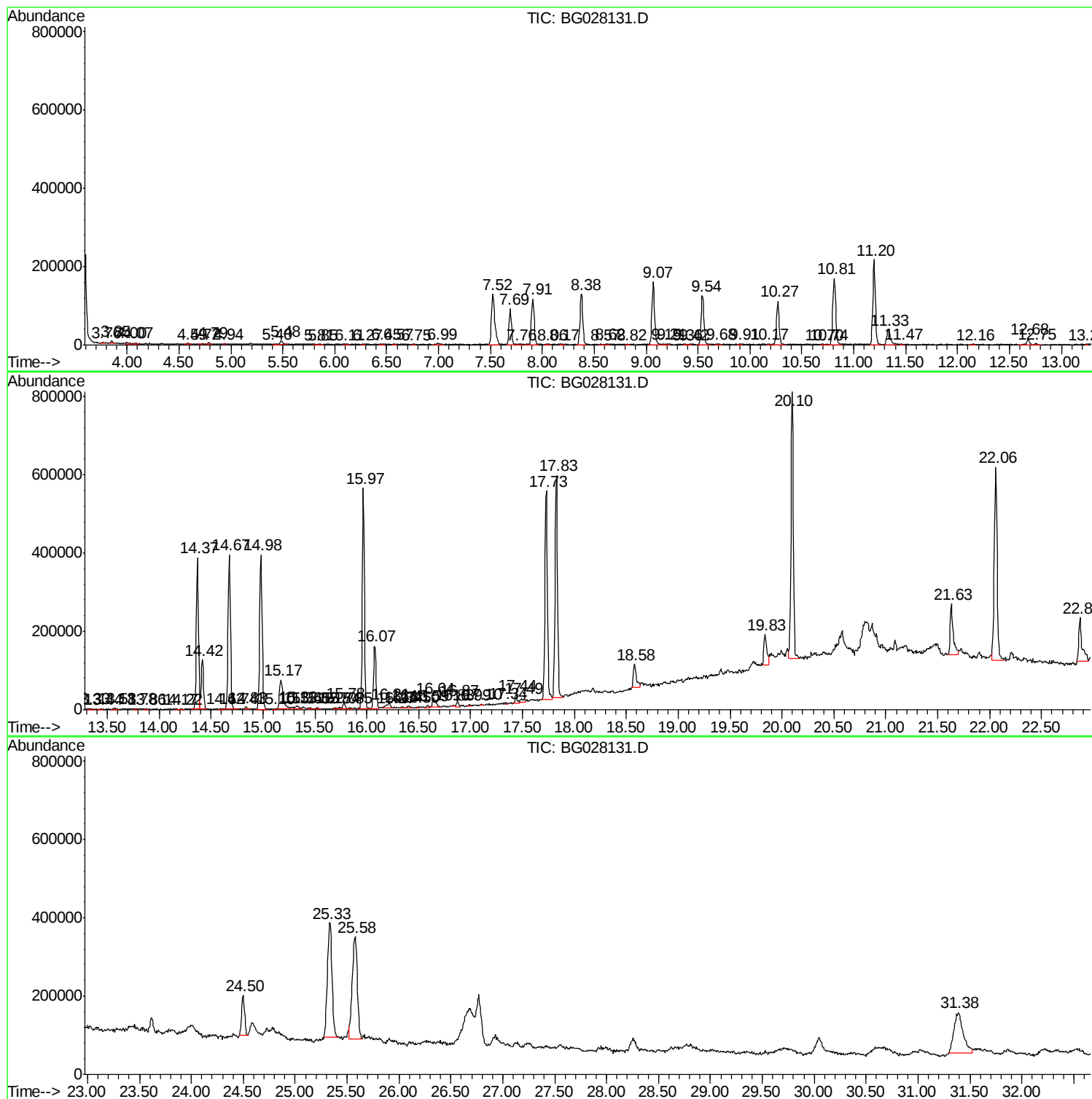
Sum of corrected areas: 13501459

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Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM-EPA-BG080217.M  
Quant Title : SVOA CALIBRATION

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



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Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM-EPA-BG080217.M  
Quant Title : SVOA CALIBRATION

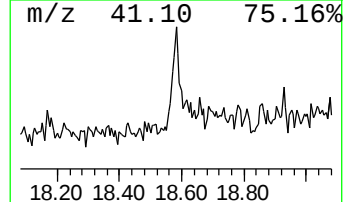
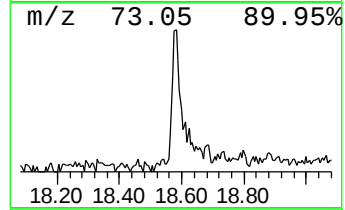
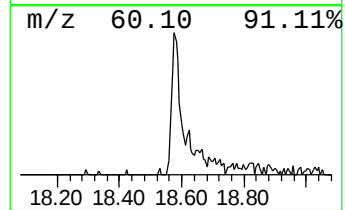
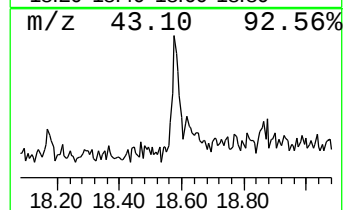
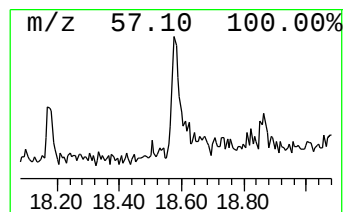
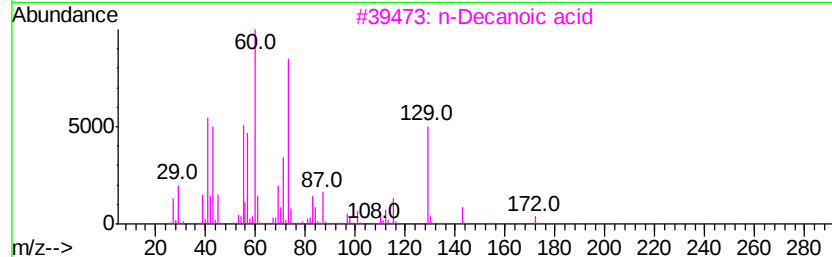
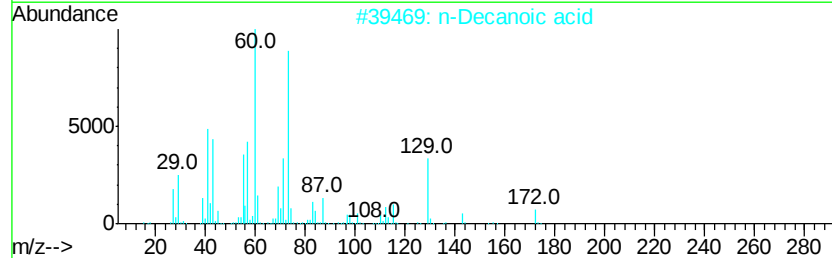
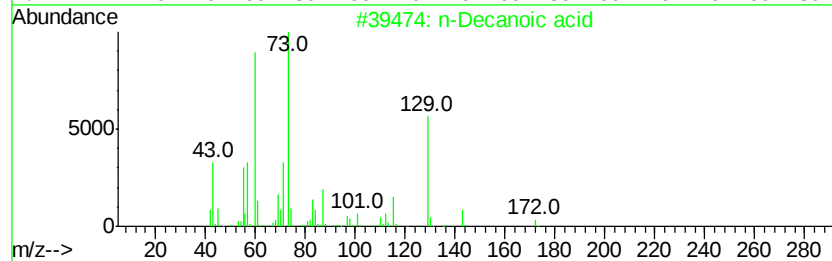
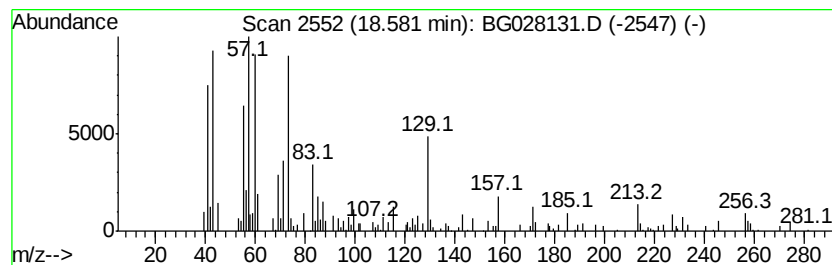
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 1 n-Decanoic acid Concentration Rank 6

| R.T.  | EstConc    | Area   | Relative to ISTD | R.T.  |
|-------|------------|--------|------------------|-------|
| 18.58 | 2.84 ng/ul | 124622 | Phenanthrene-d10 | 17.73 |

| Hit# | of | Tentative ID     | MW  | MolForm  | CAS#        | Qual |
|------|----|------------------|-----|----------|-------------|------|
| 1    | 5  | n-Decanoic acid  | 172 | C10H20O2 | 000334-48-5 | 76   |
| 2    |    | n-Decanoic acid  | 172 | C10H20O2 | 000334-48-5 | 62   |
| 3    |    | n-Decanoic acid  | 172 | C10H20O2 | 000334-48-5 | 52   |
| 4    |    | Undecanoic acid  | 186 | C11H22O2 | 000112-37-8 | 50   |
| 5    |    | Tridecanoic acid | 214 | C13H26O2 | 000638-53-9 | 50   |



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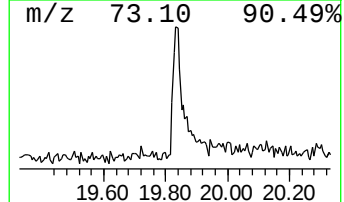
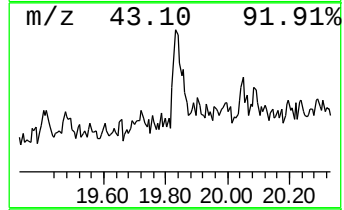
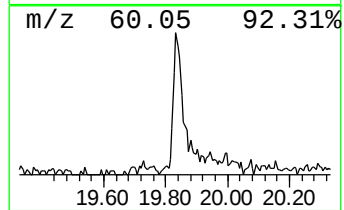
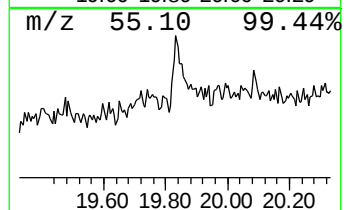
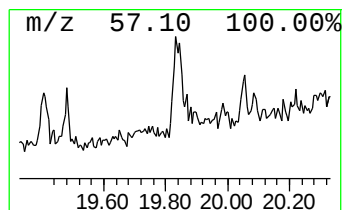
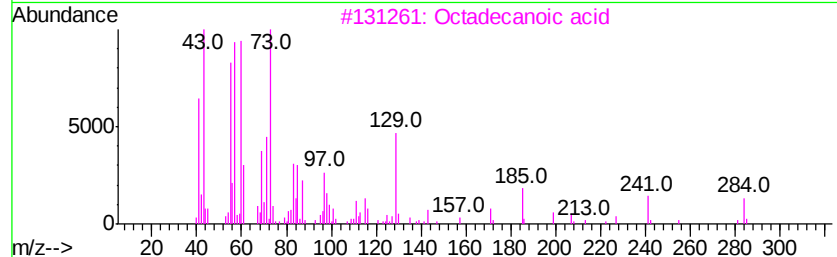
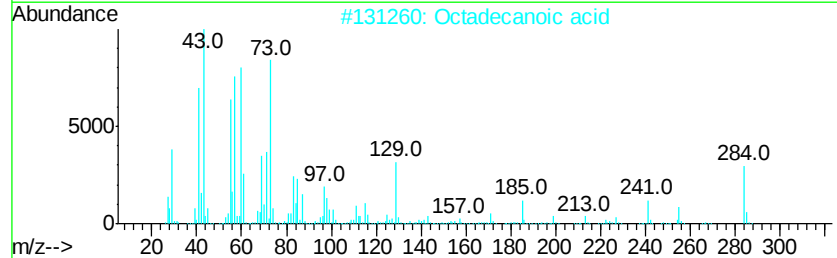
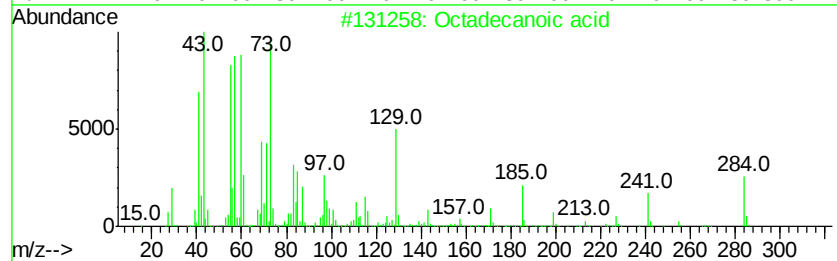
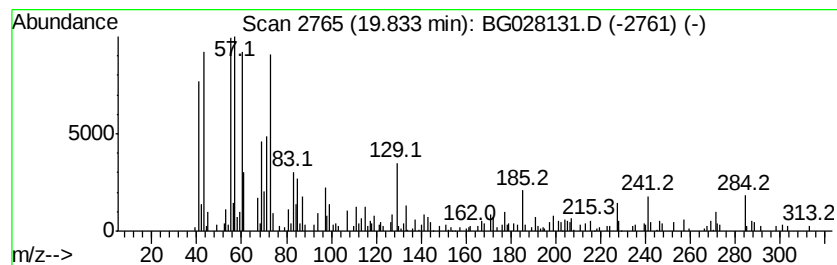
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 2 Octadecanoic acid Concentration Rank 5

| R.T.  | EstConc    | Area   | Relative to ISTD |  | R.T.  |
|-------|------------|--------|------------------|--|-------|
| 19.83 | 3.56 ng/ul | 155993 | Phenanthrene-d10 |  | 17.73 |

| Hit# | of | 5 | Tentative ID      | MW  | MolForm  | CAS#        | Qual |
|------|----|---|-------------------|-----|----------|-------------|------|
| 1    |    |   | Octadecanoic acid | 284 | C18H36O2 | 000057-11-4 | 95   |
| 2    |    |   | Octadecanoic acid | 284 | C18H36O2 | 000057-11-4 | 95   |
| 3    |    |   | Octadecanoic acid | 284 | C18H36O2 | 000057-11-4 | 91   |
| 4    |    |   | Octadecanoic acid | 284 | C18H36O2 | 000057-11-4 | 89   |
| 5    |    |   | Octadecanoic acid | 284 | C18H36O2 | 000057-11-4 | 78   |



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Misc :  
ALS Vial : 30 Sample Multiplier: 1

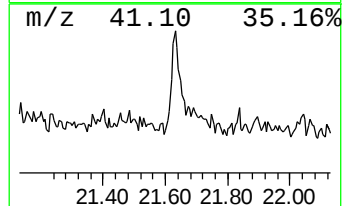
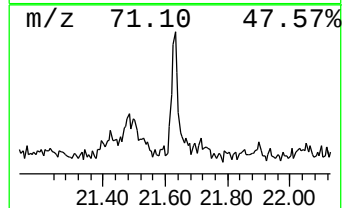
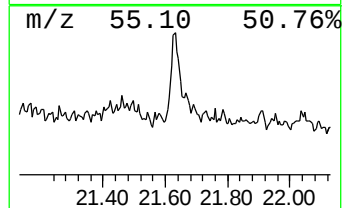
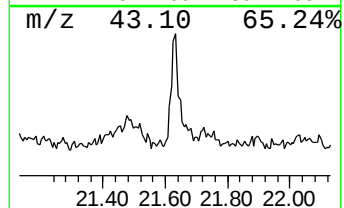
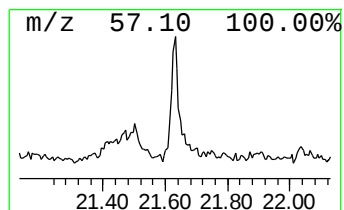
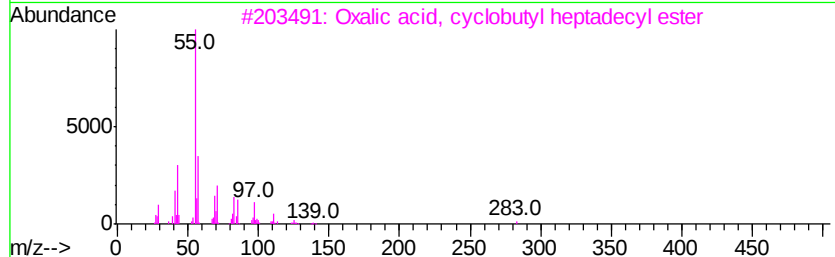
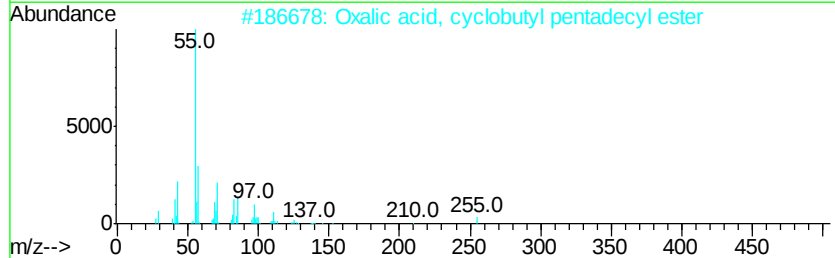
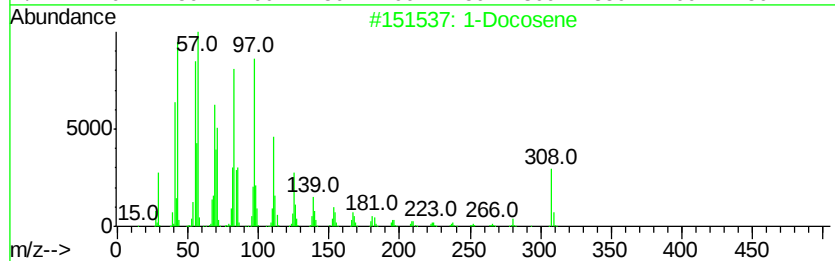
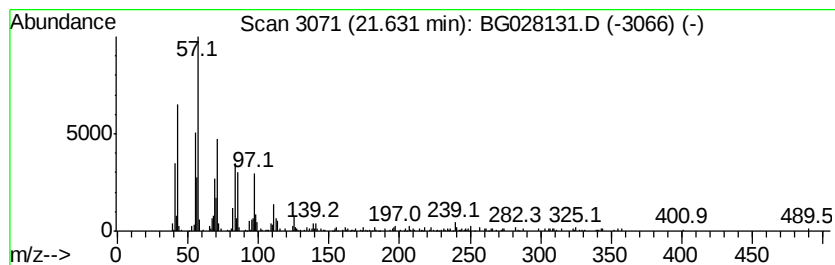
Instrument :  
BNA\_G  
ClientSampleId :  
JJ2Y3

Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM-EPA-BG080217.M  
Quant Title : SVOA CALIBRATION

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

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Peak Number 3 (DEL) Alkane: Cyclic21.63 Concentration Rank 2

| R.T.    | EstConc                             | Area         | Relative to ISTD | R.T.            |
|---------|-------------------------------------|--------------|------------------|-----------------|
| 21.63   | 5.56 ng/ul                          | 262123       | Chrysene-d12     | 22.06           |
| Hit# of | 5                                   | Tentative ID | MW MolForm       | CAS# Qual       |
| 1       | 1-Docosene                          |              | 308 C22H44       | 001599-67-3 86  |
| 2       | Oxalic acid, cyclobutyl pentadec... |              | 354 C21H38O4     | 1000309-70-5 83 |
| 3       | Oxalic acid, cyclobutyl heptadec... |              | 382 C23H42O4     | 1000309-70-7 83 |
| 4       | Sulfurous acid, octadecyl 2-prop... |              | 376 C21H44O3S    | 1000309-12-7 74 |
| 5       | Isobutyl tetradecyl carbonate       |              | 314 C19H38O3     | 959275-58-2 64  |



Data Path : Z:\HPCHEM1\BNA G\DATA\BG080217\  
Data File : BG028131.D  
Acq On : 3 Aug 2017 8:16  
Operator : SJ/JU  
Sample : I4405-16  
Misc :  
ALS Vial : 30 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
JJ2Y3

Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM-EPA-BG080217.M  
Quant Title : SVOA CALIBRATION

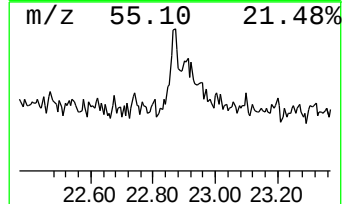
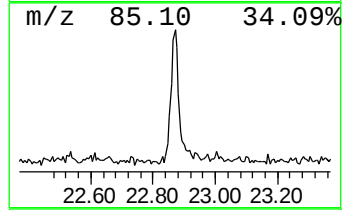
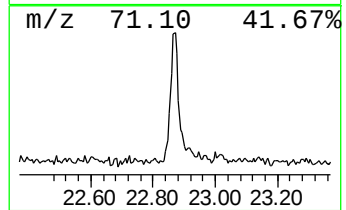
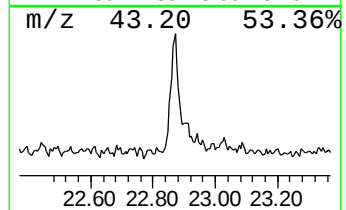
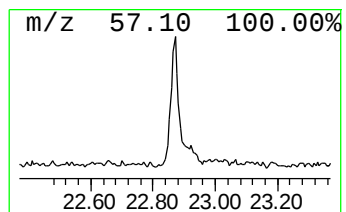
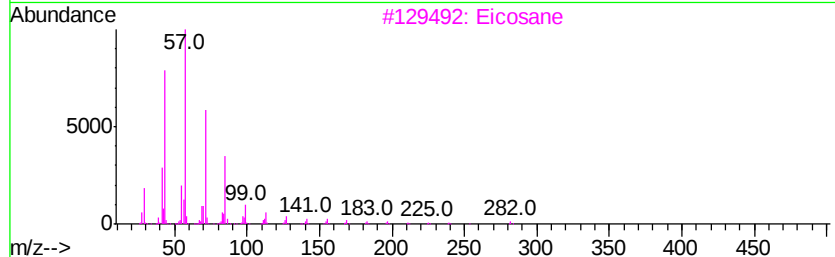
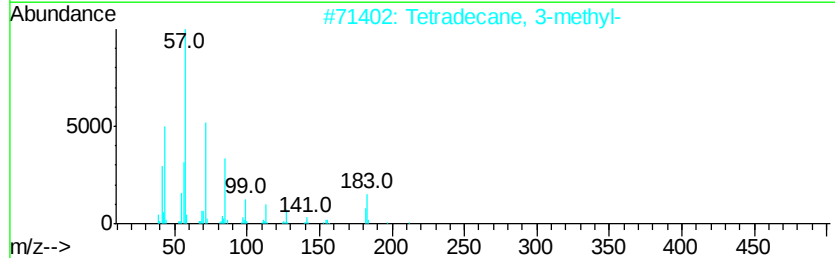
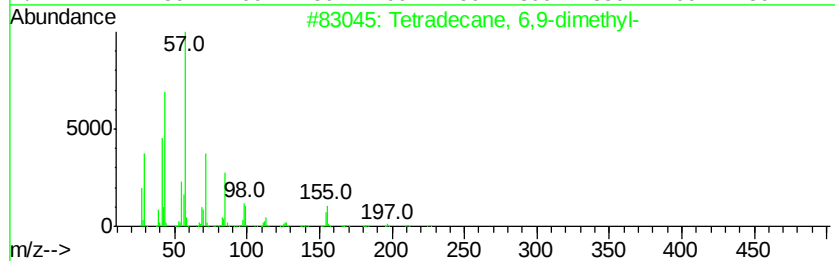
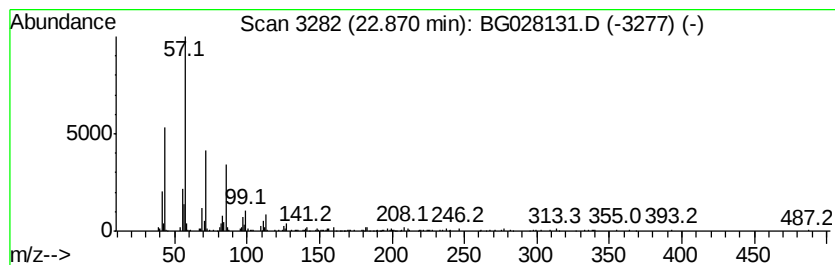
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 4 (DEL) Alkane: Straight-Chai... Concentration Rank 3

| R.T.  | EstConc    | Area   | Relative to ISTD | R.T.  |
|-------|------------|--------|------------------|-------|
| 22.87 | 5.35 ng/ul | 251984 | Chrysene-d12     | 22.06 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm   | CAS#         | Qual |
|------|----|---|-------------------------------------|-----|-----------|--------------|------|
| 1    |    |   | Tetradecane, 6,9-dimethyl-          | 226 | C16H34    | 055045-13-1  | 87   |
| 2    |    |   | Tetradecane, 3-methyl-              | 212 | C15H32    | 018435-22-8  | 83   |
| 3    |    |   | Eicosane                            | 282 | C20H42    | 000112-95-8  | 80   |
| 4    |    |   | Tridecane, 4,8-dimethyl-            | 212 | C15H32    | 055030-62-1  | 80   |
| 5    |    |   | Sulfurous acid, butyl dodecyl ester | 306 | C16H34O3S | 1000309-17-9 | 80   |



Data Path : Z:\HPCHEM1\BNA G\DATA\BG080217\  
Data File : BG028131.D  
Acq On : 3 Aug 2017 8:16  
Operator : SJ/JU  
Sample : I4405-16  
Misc :  
ALS Vial : 30 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
JJ2Y3

Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM-EPA-BG080217.M  
Quant Title : SVOA CALIBRATION

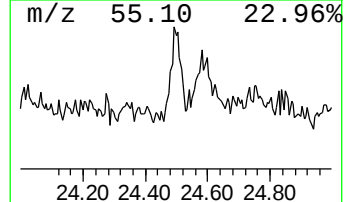
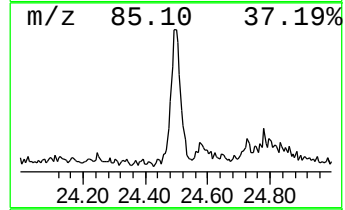
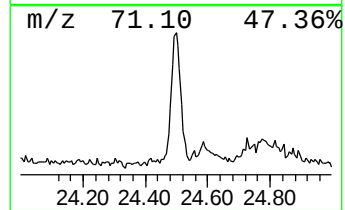
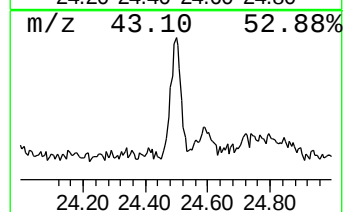
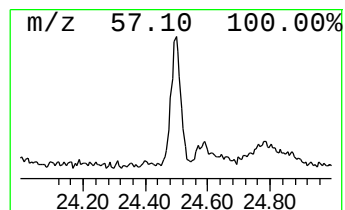
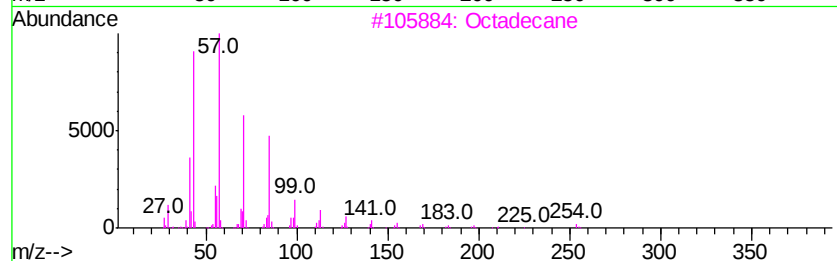
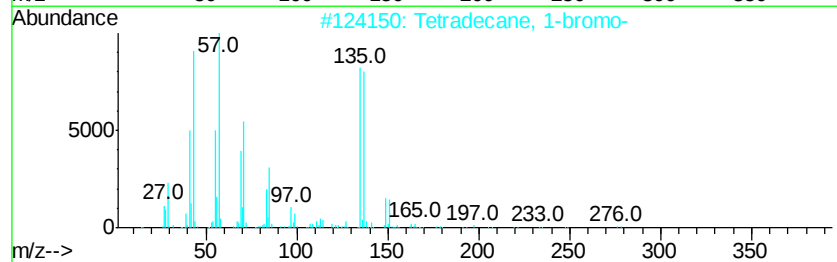
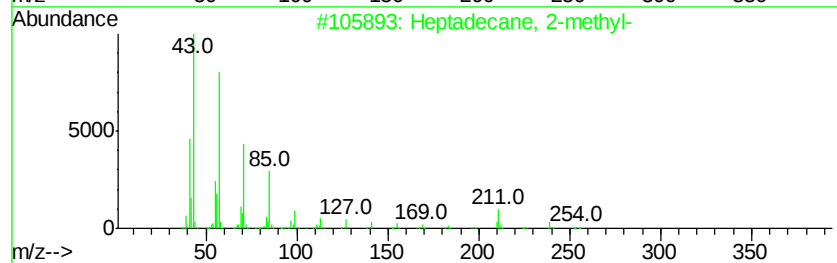
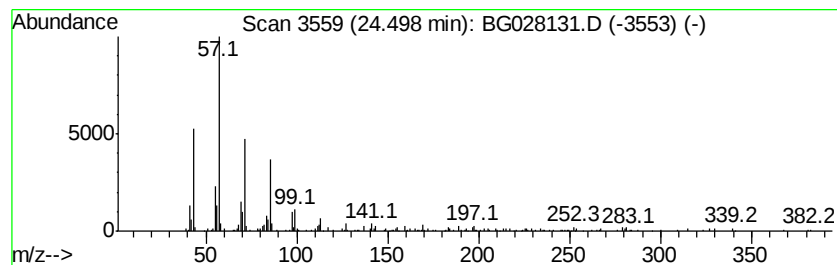
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 5 (DEL) Alkane: Straight-Chai... Concentration Rank 4

| R.T.  | EstConc    | Area   | Relative to ISTD | R.T.  |
|-------|------------|--------|------------------|-------|
| 24.50 | 4.50 ng/ul | 201329 | Perylene-d12     | 25.58 |

| Hit# | of | Tentative ID              | MW  | MolForm  | CAS#        | Qual |
|------|----|---------------------------|-----|----------|-------------|------|
| 1    | 5  | Heptadecane, 2-methyl-    | 254 | C18H38   | 001560-89-0 | 87   |
| 2    |    | Tetradecane, 1-bromo-     | 276 | C14H29Br | 000112-71-0 | 87   |
| 3    |    | Octadecane                | 254 | C18H38   | 000593-45-3 | 86   |
| 4    |    | Hexadecane, 7,9-dimethyl- | 254 | C18H38   | 021164-95-4 | 83   |
| 5    |    | Octacosane                | 394 | C28H58   | 000630-02-4 | 80   |



Data Path : Z:\HPCHEM1\BNA G\DATA\BG080217\  
Data File : BG028131.D  
Acq On : 3 Aug 2017 8:16  
Operator : SJ/JU  
Sample : I4405-16  
Misc :  
ALS Vial : 30 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
JJ2Y3

Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM-EPA-BG080217.M  
Quant Title : SVOA CALIBRATION

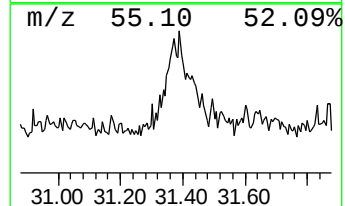
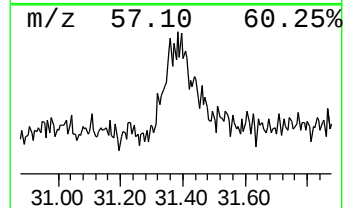
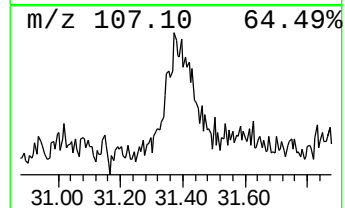
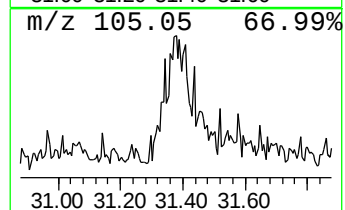
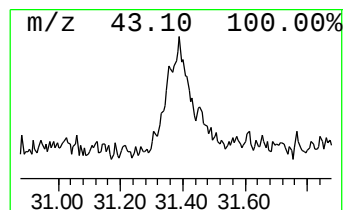
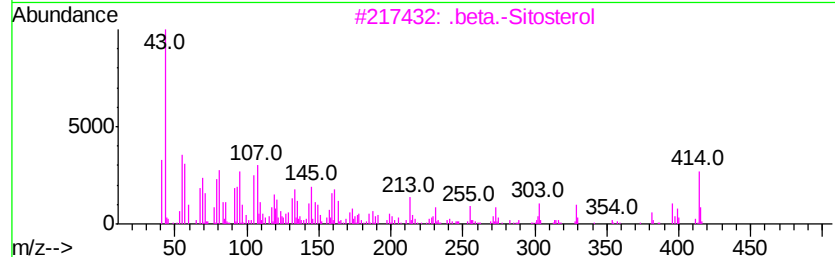
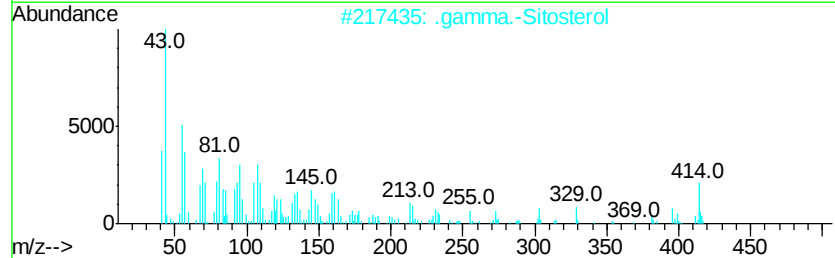
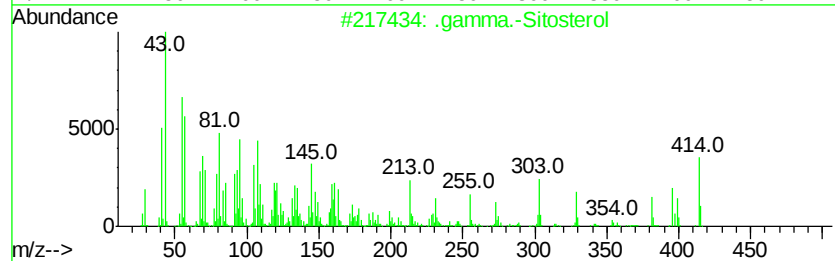
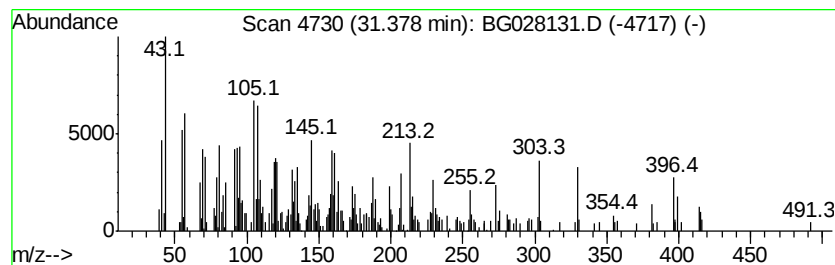
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 6 .gamma.-Sitosterol Concentration Rank 1

| R.T.  | EstConc     | Area   | Relative to ISTD | R.T.  |
|-------|-------------|--------|------------------|-------|
| 31.38 | 14.52 ng/ul | 649989 | Perylene-d12     | 25.58 |

| Hit# | of | Tentative ID                 | MW  | MolForm | CAS#        | Qual |
|------|----|------------------------------|-----|---------|-------------|------|
| 1    | 5  | .gamma.-Sitosterol           | 414 | C29H50O | 000083-47-6 | 78   |
| 2    |    | .gamma.-Sitosterol           | 414 | C29H50O | 000083-47-6 | 60   |
| 3    |    | .beta.-Sitosterol            | 414 | C29H50O | 000083-46-5 | 38   |
| 4    |    | Ergost-7-en-3-ol, (3.beta.)- | 400 | C28H48O | 026047-31-4 | 32   |
| 5    |    | Ergost-5-en-3-ol, (3.beta.)- | 400 | C28H48O | 004651-51-8 | 30   |



Data Path : Z:\HPCHEM1\BNA\_G\DATA\BG080217\  
Data File : BG028131.D  
Acq On : 3 Aug 2017 8:16  
Operator : SJ/JU  
Sample : I4405-16  
Misc :  
ALS Vial : 30 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
JJ2Y3

Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\SOM-EPA-BG080217.M  
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 |
| n-Decanoic acid      | 18.58 | 2.8     | ng/ul | 124622   | 4                     | 17.73 | 876113 | 20.0 |
| Octadecanoic acid    | 19.83 | 3.6     | ng/ul | 155993   | 4                     | 17.73 | 876113 | 20.0 |
| (DEL) Alkane: Cyc... | 21.63 | 5.6     | ng/ul | 262123   | 5                     | 22.06 | 942538 | 20.0 |
| (DEL) Alkane: Str... | 22.87 | 5.3     | ng/ul | 251984   | 5                     | 22.06 | 942538 | 20.0 |
| (DEL) Alkane: Str... | 24.50 | 4.5     | ng/ul | 201329   | 6                     | 25.58 | 895230 | 20.0 |
| .gamma.-Sitosterol   | 31.38 | 14.5    | ng/ul | 649989   | 6                     | 25.58 | 895230 | 20.0 |