

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG101720\  
 Data File : BG046938.D  
 Acq On : 17 Oct 2020 12:14  
 Operator : CG/JU  
 Sample : L4201-09  
 Misc :  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 C0AL3

## Integration Parameters: LSCINT.P

Integrator: RTE  
 Smoothing : OFF  
 Sampling : 1  
 Start Thrs: 0.2  
 Stop Thrs : 0

Filtering: 5  
 Min Area: 0.1 % of largest Peak  
 Max Peaks: 100  
 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >  
 Peak separation: 5

Method : Z:\SVOASRV\HPCHEM1\BNA\_G\METHODS\SOM-EPA-BG101520MA.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      | 3.481    | 19         | 24       | 31        | rVB2  | 8528        | 18488      | 1.63%        | 0.140%     |
| 2      | 3.528    | 31         | 32       | 37        | rBV3  | 2068        | 2868       | 0.25%        | 0.022%     |
| 3      | 3.904    | 93         | 96       | 99        | rBV2  | 4212        | 5879       | 0.52%        | 0.045%     |
| 4      | 4.010    | 110        | 114      | 120       | rVB2  | 21531       | 30250      | 2.66%        | 0.229%     |
| 5      | 4.081    | 124        | 126      | 130       | rVB4  | 5006        | 5430       | 0.48%        | 0.041%     |
| 6      | 4.145    | 133        | 137      | 139       | rVB3  | 4615        | 6142       | 0.54%        | 0.046%     |
| 7      | 4.239    | 148        | 153      | 159       | rBV4  | 11281       | 18156      | 1.60%        | 0.137%     |
| 8      | 4.615    | 216        | 217      | 223       | rBV3  | 1543        | 2451       | 0.22%        | 0.019%     |
| 9      | 4.792    | 242        | 247      | 251       | rBV4  | 3575        | 5423       | 0.48%        | 0.041%     |
| 10     | 5.156    | 305        | 309      | 313       | rBV3  | 4535        | 5798       | 0.51%        | 0.044%     |
| 11     | 5.238    | 321        | 323      | 324       | rBV2  | 3937        | 3236       | 0.29%        | 0.024%     |
| 12     | 5.397    | 347        | 350      | 352       | rBV3  | 2195        | 2073       | 0.18%        | 0.016%     |
| 13     | 5.732    | 403        | 407      | 410       | rVB3  | 1937        | 2857       | 0.25%        | 0.022%     |
| 14     | 5.820    | 420        | 422      | 427       | rVB   | 2356        | 3237       | 0.29%        | 0.025%     |
| 15     | 6.249    | 492        | 495      | 499       | rVB3  | 1622        | 2418       | 0.21%        | 0.018%     |
| 16     | 6.889    | 600        | 604      | 607       | rVB2  | 1845        | 2147       | 0.19%        | 0.016%     |
| 17     | 7.106    | 637        | 641      | 645       | rVB3  | 1727        | 2944       | 0.26%        | 0.022%     |
| 18     | 7.224    | 653        | 661      | 673       | rBV   | 131528      | 241311     | 21.26%       | 1.827%     |
| 19     | 7.394    | 681        | 690      | 698       | rVB   | 108804      | 184845     | 16.28%       | 1.399%     |
| 20     | 7.600    | 718        | 725      | 731       | rBV   | 139387      | 240064     | 21.15%       | 1.817%     |
| 21     | 7.659    | 731        | 735      | 738       | rVV5  | 8449        | 12533      | 1.10%        | 0.095%     |
| 22     | 7.688    | 738        | 740      | 743       | rVB3  | 4039        | 3731       | 0.33%        | 0.028%     |
| 23     | 8.070    | 799        | 805      | 812       | rBV2  | 214970      | 362520     | 31.93%       | 2.745%     |
| 24     | 8.141    | 815        | 817      | 821       | rVB2  | 2150        | 2802       | 0.25%        | 0.021%     |
| 25     | 8.393    | 856        | 860      | 863       | rVB   | 1666        | 2560       | 0.23%        | 0.019%     |
| 26     | 8.428    | 863        | 866      | 870       | rBV2  | 1535        | 2796       | 0.25%        | 0.021%     |
| 27     | 8.769    | 917        | 924      | 932       | rBV2  | 115470      | 210164     | 18.51%       | 1.591%     |
| 28     | 8.893    | 939        | 945      | 952       | rVB3  | 10160       | 20162      | 1.78%        | 0.153%     |
| 29     | 9.063    | 972        | 974      | 978       | rVB2  | 1929        | 2271       | 0.20%        | 0.017%     |
| 30     | 9.228    | 996        | 1002     | 1011      | rVB   | 142146      | 256377     | 22.58%       | 1.941%     |
| 31     | 9.645    | 1070       | 1073     | 1077      | rBV2  | 1646        | 2394       | 0.21%        | 0.018%     |
| 32     | 9.956    | 1119       | 1126     | 1133      | rBV   | 131926      | 225896     | 19.90%       | 1.710%     |
| 33     | 10.497   | 1211       | 1218     | 1226      | rBV   | 173754      | 323054     | 28.46%       | 2.446%     |
| 34     | 10.802   | 1267       | 1270     | 1273      | rBV2  | 1913        | 2145       | 0.19%        | 0.016%     |

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 Title : SVOA CALIBRATION

|    |        |      |      |      |      |        |        |        |        |
|----|--------|------|------|------|------|--------|--------|--------|--------|
| 35 | 10.884 | 1276 | 1284 | 1291 | rBV  | 314938 | 552846 | 48.70% | 4.185% |
| 36 | 11.008 | 1298 | 1305 | 1313 | rBV  | 108384 | 208616 | 18.38% | 1.579% |
| 37 | 11.407 | 1371 | 1373 | 1379 | rVB2 | 2605   | 3116   | 0.27%  | 0.024% |
| 38 | 11.678 | 1415 | 1419 | 1424 | rBV3 | 2373   | 4406   | 0.39%  | 0.033% |
| 39 | 12.459 | 1548 | 1552 | 1557 | rBV3 | 3361   | 4972   | 0.44%  | 0.038% |
| 40 | 12.759 | 1595 | 1603 | 1605 | rBV2 | 1561   | 2470   | 0.22%  | 0.019% |
| 41 | 13.299 | 1694 | 1695 | 1701 | rVB2 | 2088   | 2998   | 0.26%  | 0.023% |
| 42 | 13.528 | 1731 | 1734 | 1738 | rVB3 | 1814   | 2406   | 0.21%  | 0.018% |
| 43 | 13.587 | 1738 | 1744 | 1748 | rBV5 | 5106   | 8011   | 0.71%  | 0.061% |
| 44 | 13.857 | 1784 | 1790 | 1792 | rBV2 | 2858   | 3845   | 0.34%  | 0.029% |
| 45 | 14.016 | 1812 | 1817 | 1821 | rBV4 | 2986   | 4352   | 0.38%  | 0.033% |
| 46 | 14.098 | 1824 | 1831 | 1835 | rBV  | 385795 | 565427 | 49.81% | 4.281% |
| 47 | 14.145 | 1835 | 1839 | 1845 | rVB  | 115437 | 172018 | 15.15% | 1.302% |
| 48 | 14.392 | 1875 | 1881 | 1889 | rVB  | 383671 | 594891 | 52.40% | 4.504% |
| 49 | 14.586 | 1910 | 1914 | 1921 | rBV4 | 3527   | 5419   | 0.48%  | 0.041% |
| 50 | 14.698 | 1926 | 1933 | 1940 | rVV  | 552182 | 853028 | 75.14% | 6.458% |
| 51 | 14.768 | 1940 | 1945 | 1949 | rVB4 | 4436   | 6901   | 0.61%  | 0.052% |
| 52 | 14.880 | 1957 | 1964 | 1976 | rBV  | 114640 | 207911 | 18.31% | 1.574% |
| 53 | 15.038 | 1987 | 1991 | 1994 | rVB3 | 5490   | 6158   | 0.54%  | 0.047% |
| 54 | 15.103 | 1998 | 2002 | 2005 | rBV5 | 7248   | 10812  | 0.95%  | 0.082% |
| 55 | 15.215 | 2018 | 2021 | 2023 | rBV2 | 1831   | 2093   | 0.18%  | 0.016% |
| 56 | 15.291 | 2031 | 2034 | 2035 | rBV2 | 2877   | 2485   | 0.22%  | 0.019% |
| 57 | 15.309 | 2035 | 2037 | 2040 | rVB4 | 2720   | 3207   | 0.28%  | 0.024% |
| 58 | 15.367 | 2044 | 2047 | 2049 | rBV  | 1843   | 2281   | 0.20%  | 0.017% |
| 59 | 15.485 | 2062 | 2067 | 2072 | rBV4 | 7782   | 11526  | 1.02%  | 0.087% |
| 60 | 15.608 | 2086 | 2088 | 2092 | rVB2 | 2264   | 2304   | 0.20%  | 0.017% |
| 61 | 15.691 | 2094 | 2102 | 2108 | rBV  | 532353 | 802696 | 70.71% | 6.077% |
| 62 | 15.738 | 2108 | 2110 | 2114 | rVB5 | 11623  | 14534  | 1.28%  | 0.110% |
| 63 | 15.802 | 2115 | 2121 | 2126 | rBV  | 146519 | 219437 | 19.33% | 1.661% |
| 64 | 15.937 | 2138 | 2144 | 2147 | rVB7 | 6385   | 11873  | 1.05%  | 0.090% |
| 65 | 16.037 | 2157 | 2161 | 2165 | rVB3 | 5195   | 7730   | 0.68%  | 0.059% |
| 66 | 16.196 | 2186 | 2188 | 2195 | rVB5 | 4565   | 6716   | 0.59%  | 0.051% |
| 67 | 16.266 | 2199 | 2200 | 2206 | rVB4 | 2098   | 3311   | 0.29%  | 0.025% |
| 68 | 16.354 | 2213 | 2215 | 2218 | rBV3 | 2941   | 3125   | 0.28%  | 0.024% |
| 69 | 16.390 | 2220 | 2221 | 2224 | rBV2 | 3860   | 5031   | 0.44%  | 0.038% |
| 70 | 16.501 | 2239 | 2240 | 2244 | rVB4 | 2778   | 2825   | 0.25%  | 0.021% |
| 71 | 16.548 | 2244 | 2248 | 2251 | rBV5 | 3726   | 5353   | 0.47%  | 0.041% |

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 Title : SVOA CALIBRATION

|     |        |      |      |      |      |        |         |         |        |
|-----|--------|------|------|------|------|--------|---------|---------|--------|
| 72  | 16.572 | 2251 | 2252 | 2256 | rVB3 | 4332   | 3511    | 0.31%   | 0.027% |
| 73  | 16.607 | 2256 | 2258 | 2260 | rBV2 | 3853   | 2671    | 0.24%   | 0.020% |
| 74  | 16.725 | 2276 | 2278 | 2279 | rBV2 | 2301   | 2099    | 0.18%   | 0.016% |
| 75  | 16.977 | 2316 | 2321 | 2324 | rBV3 | 13222  | 20761   | 1.83%   | 0.157% |
| 76  | 17.013 | 2325 | 2327 | 2332 | rVB5 | 4117   | 5117    | 0.45%   | 0.039% |
| 77  | 17.095 | 2338 | 2341 | 2349 | rVB8 | 7518   | 15329   | 1.35%   | 0.116% |
| 78  | 17.159 | 2349 | 2352 | 2353 | rBV3 | 4023   | 4593    | 0.40%   | 0.035% |
| 79  | 17.177 | 2353 | 2355 | 2356 | rBV2 | 3434   | 2451    | 0.22%   | 0.019% |
| 80  | 17.230 | 2361 | 2364 | 2366 | rVV3 | 5195   | 4244    | 0.37%   | 0.032% |
| 81  | 17.259 | 2366 | 2369 | 2375 | rVB5 | 6875   | 11638   | 1.03%   | 0.088% |
| 82  | 17.330 | 2377 | 2381 | 2384 | rBV4 | 8575   | 11266   | 0.99%   | 0.085% |
| 83  | 17.441 | 2394 | 2400 | 2405 | rBV  | 680320 | 1046648 | 92.20%  | 7.924% |
| 84  | 17.483 | 2405 | 2407 | 2412 | rVV  | 113786 | 148411  | 13.07%  | 1.124% |
| 85  | 17.541 | 2412 | 2417 | 2430 | rVB2 | 542820 | 834618  | 73.52%  | 6.319% |
| 86  | 17.782 | 2456 | 2458 | 2460 | rBV3 | 4869   | 4084    | 0.36%   | 0.031% |
| 87  | 17.812 | 2460 | 2463 | 2464 | rBV3 | 3519   | 3382    | 0.30%   | 0.026% |
| 88  | 17.882 | 2474 | 2475 | 2478 | rVB3 | 4354   | 2276    | 0.20%   | 0.017% |
| 89  | 17.935 | 2480 | 2484 | 2485 | rVB3 | 4319   | 4206    | 0.37%   | 0.032% |
| 90  | 17.958 | 2485 | 2488 | 2491 | rBV5 | 4679   | 5995    | 0.53%   | 0.045% |
| 91  | 18.017 | 2496 | 2498 | 2501 | rBV4 | 4781   | 5335    | 0.47%   | 0.040% |
| 92  | 18.323 | 2545 | 2550 | 2555 | rBV2 | 116077 | 177103  | 15.60%  | 1.341% |
| 93  | 18.511 | 2578 | 2582 | 2586 | rBV4 | 20833  | 42698   | 3.76%   | 0.323% |
| 94  | 18.810 | 2630 | 2633 | 2636 | rBV4 | 17887  | 24244   | 2.14%   | 0.184% |
| 95  | 19.492 | 2744 | 2749 | 2755 | rVB  | 223180 | 297762  | 26.23%  | 2.254% |
| 96  | 19.827 | 2800 | 2806 | 2809 | rBV  | 686830 | 1022004 | 90.03%  | 7.737% |
| 97  | 21.349 | 3062 | 3065 | 3078 | rVB4 | 130750 | 243697  | 21.47%  | 1.845% |
| 98  | 21.713 | 3120 | 3127 | 3132 | rBV2 | 626649 | 1135225 | 100.00% | 8.595% |
| 99  | 24.733 | 3636 | 3641 | 3649 | rVB  | 250200 | 581517  | 51.22%  | 4.403% |
| 100 | 24.962 | 3673 | 3680 | 3692 | rVB2 | 341608 | 1003280 | 88.38%  | 7.596% |

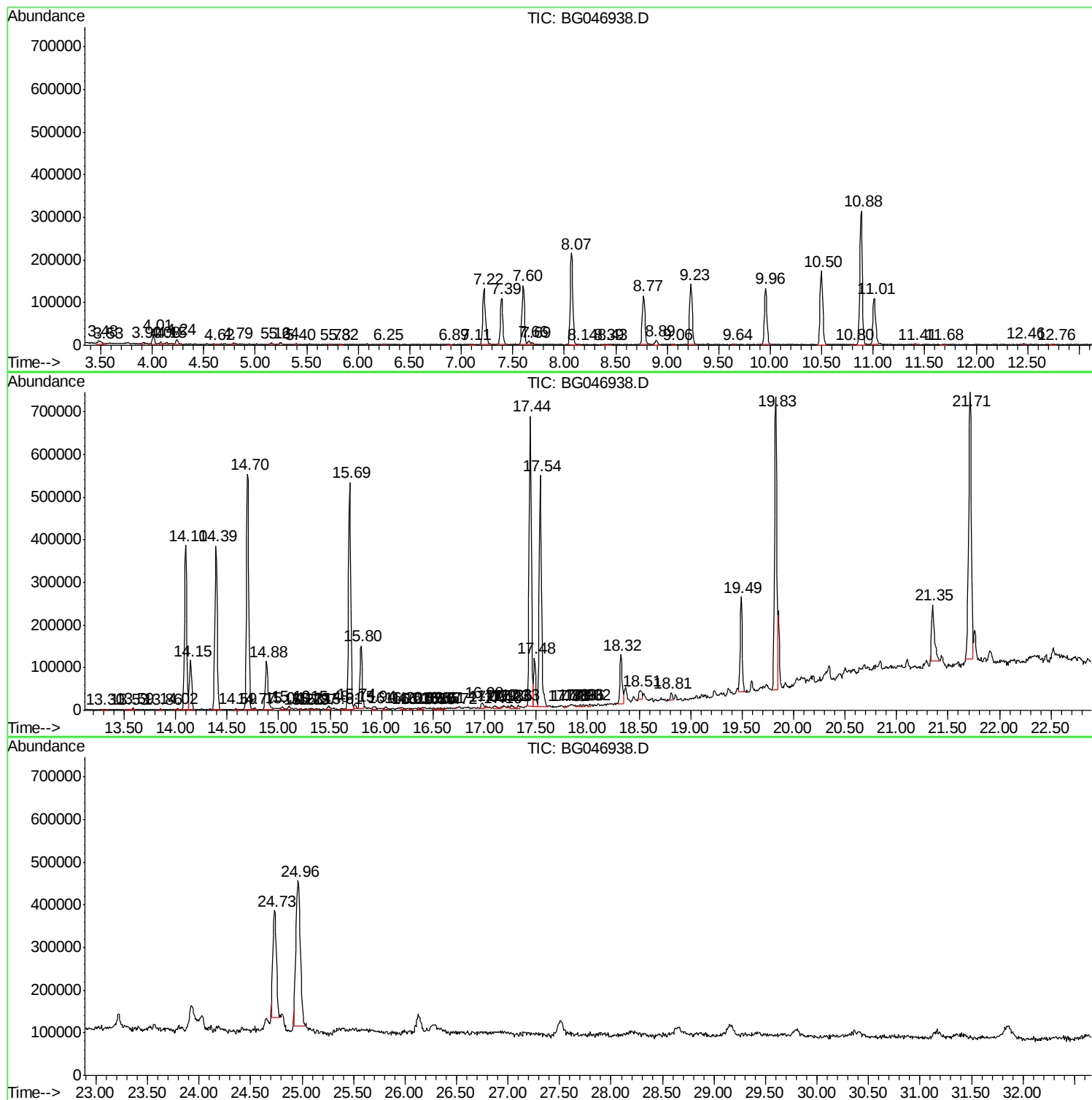
Sum of corrected areas: 13208717

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Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_G\METHODS\SOM-EPA-BG101520MA.M  
Quant Title : SVOA CALIBRATION

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



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Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_G\METHODS\SOM-EPA-BG101520MA.M  
Quant Title : SVOA CALIBRATION

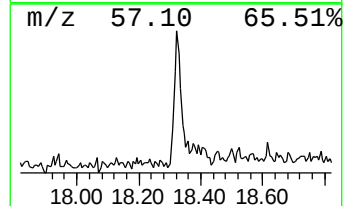
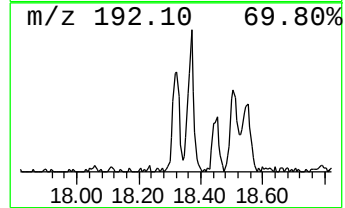
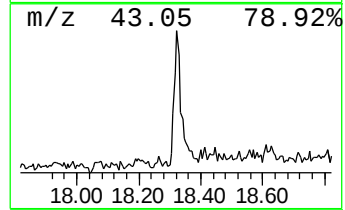
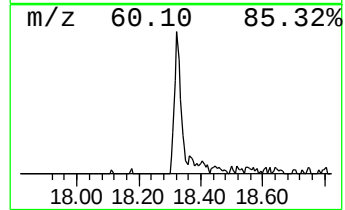
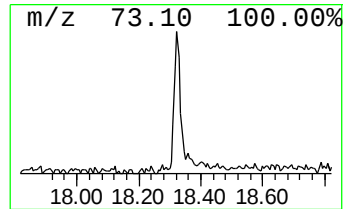
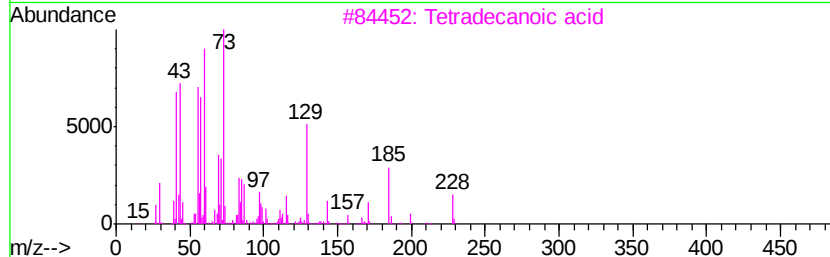
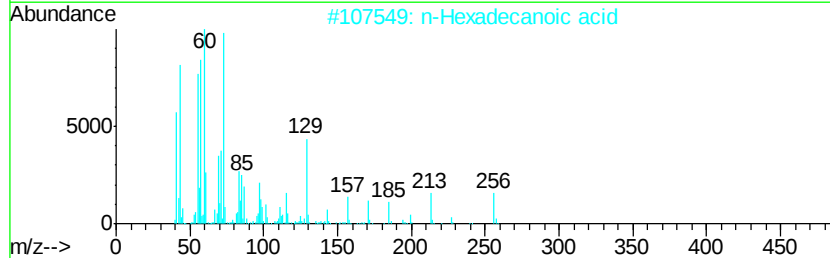
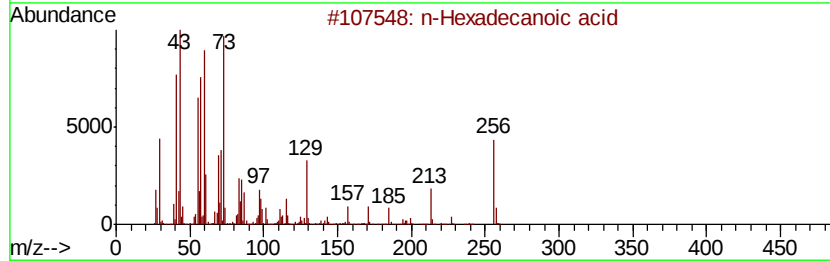
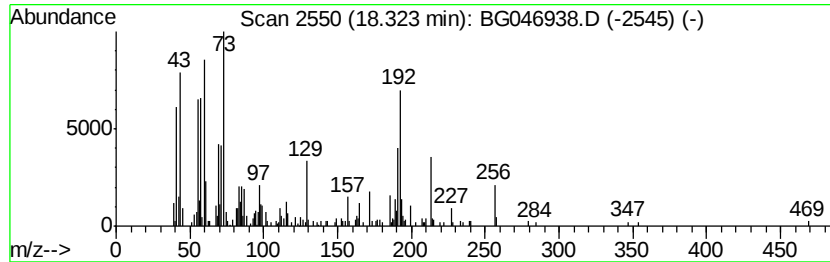
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 1 n-Hexadecanoic acid Concentration Rank 2

| R.T.  | EstConc    | Area   | Relative to ISTD | R.T.  |
|-------|------------|--------|------------------|-------|
| 18.32 | 3.38 ng/ul | 177103 | Phenanthrene-d10 | 17.44 |

| Hit# | of | Tentative ID          | MW  | MolForm  | CAS#        | Qual |
|------|----|-----------------------|-----|----------|-------------|------|
| 1    | 5  | n-Hexadecanoic acid   | 256 | C16H32O2 | 000057-10-3 | 99   |
| 2    |    | n-Hexadecanoic acid   | 256 | C16H32O2 | 000057-10-3 | 98   |
| 3    |    | Tetradecanoic acid    | 228 | C14H28O2 | 000544-63-8 | 70   |
| 4    |    | n-Hexadecanoic acid   | 256 | C16H32O2 | 000057-10-3 | 60   |
| 5    |    | Anthracene, 1-methyl- | 192 | C15H12   | 000610-48-0 | 56   |



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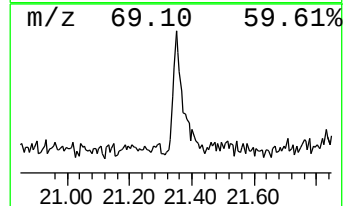
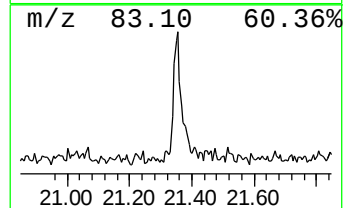
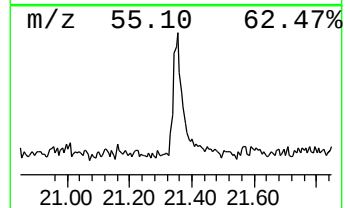
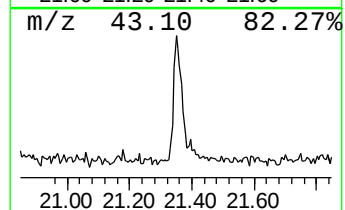
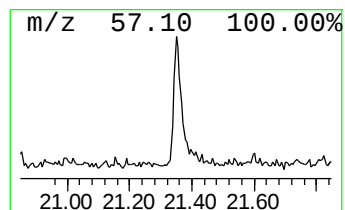
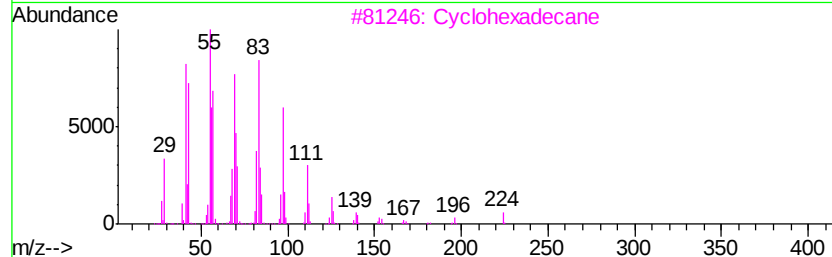
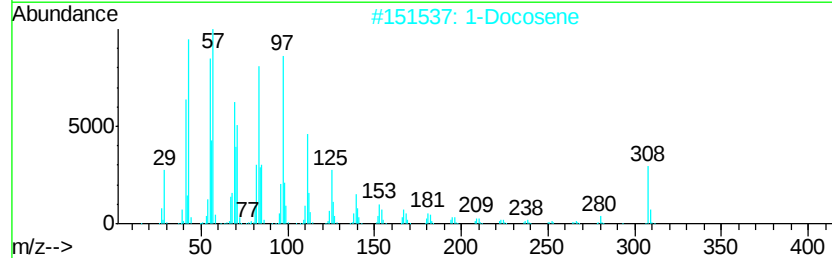
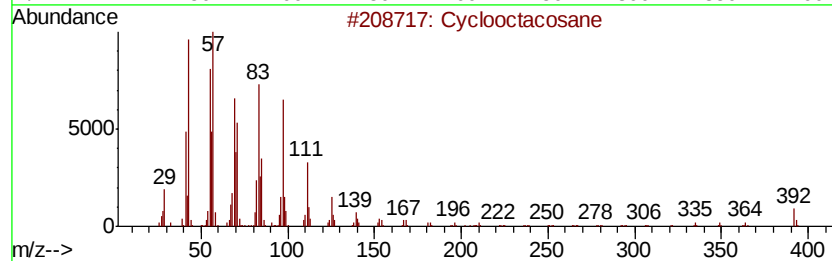
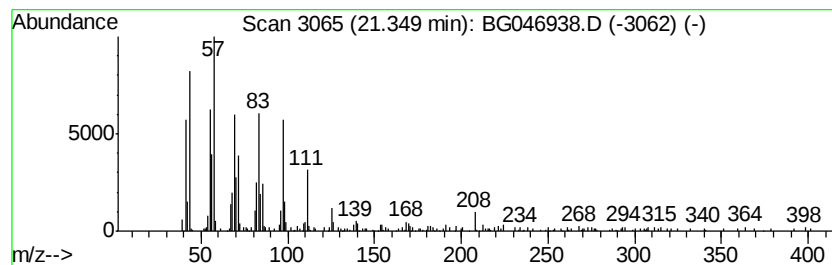
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 2 (DEL) Alkane: Cyclic21.35 Concentration Rank 1

| R.T.  | EstConc    | Area   | Relative to ISTD | R.T.  |
|-------|------------|--------|------------------|-------|
| 21.35 | 4.29 ng/ul | 243697 | Chrysene-d12     | 21.71 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm    | CAS#         | Qual |
|------|----|---|-------------------------------------|-----|------------|--------------|------|
| 1    |    |   | Cyclooctacosane                     | 392 | C28H56     | 000297-24-5  | 95   |
| 2    |    |   | 1-Docosene                          | 308 | C22H44     | 001599-67-3  | 94   |
| 3    |    |   | Cyclohexadecane                     | 224 | C16H32     | 000295-65-8  | 93   |
| 4    |    |   | Pentafluoropropionic acid, penta... | 374 | C18H31F5O2 | 959092-08-1  | 90   |
| 5    |    |   | Cyclodocosane, ethyl-               | 336 | C24H48     | 1000151-22-6 | 90   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA\_G\DATA\BG101720\  
Data File : BG046938.D  
Acq On : 17 Oct 2020 12:14  
Operator : CG/JU  
Sample : L4201-09  
Misc :  
ALS Vial : 4 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
C0AL3

Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_G\METHODS\SOM-EPA-BG101520MA.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-Hexadecanoic acid  | 18.32 | 3.4     | ng/ul | 177103   | 4                     | 17.44 | 1046650 | 20.0 |
| (DEL) Alkane: Cyc... | 21.35 | 4.3     | ng/ul | 243697   | 5                     | 21.71 | 1135230 | 20.0 |