

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG111920\  
 Data File : BG047360.D  
 Acq On : 19 Nov 2020 20:03  
 Operator : CG/JU  
 Sample : L4710-12  
 Misc :  
 ALS Vial : 14 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 C0B32

## 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-BG111920MA.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      | 3.608    | 44         | 46       | 53        | rVB3  | 4973        | 7480       | 0.74%        | 0.063%     |
| 2      | 4.043    | 118        | 120      | 124       | rVB4  | 2752        | 3236       | 0.32%        | 0.027%     |
| 3      | 4.154    | 133        | 139      | 145       | rVB7  | 6165        | 15349      | 1.52%        | 0.129%     |
| 4      | 4.207    | 145        | 148      | 149       | rBV   | 2940        | 2748       | 0.27%        | 0.023%     |
| 5      | 4.231    | 149        | 152      | 154       | rBV3  | 3283        | 3641       | 0.36%        | 0.031%     |
| 6      | 4.290    | 160        | 162      | 166       | rVB3  | 5585        | 6334       | 0.63%        | 0.053%     |
| 7      | 4.554    | 204        | 207      | 211       | rBV3  | 2683        | 4127       | 0.41%        | 0.035%     |
| 8      | 4.613    | 211        | 217      | 224       | rVB7  | 12363       | 22349      | 2.21%        | 0.187%     |
| 9      | 4.760    | 240        | 242      | 247       | rVB2  | 2481        | 4068       | 0.40%        | 0.034%     |
| 10     | 4.901    | 262        | 266      | 268       | rBV   | 2383        | 2755       | 0.27%        | 0.023%     |
| 11     | 5.024    | 282        | 287      | 292       | rBV4  | 9801        | 17065      | 1.69%        | 0.143%     |
| 12     | 5.811    | 415        | 421      | 428       | rVV2  | 3784        | 7544       | 0.75%        | 0.063%     |
| 13     | 5.988    | 447        | 451      | 454       | rVV3  | 3460        | 5610       | 0.55%        | 0.047%     |
| 14     | 6.046    | 459        | 461      | 464       | rBV2  | 2594        | 2854       | 0.28%        | 0.024%     |
| 15     | 6.170    | 477        | 482      | 485       | rBV3  | 2818        | 4360       | 0.43%        | 0.037%     |
| 16     | 6.422    | 519        | 525      | 526       | rBV2  | 2082        | 2762       | 0.27%        | 0.023%     |
| 17     | 7.304    | 673        | 675      | 680       | rVV2  | 2538        | 3446       | 0.34%        | 0.029%     |
| 18     | 7.398    | 684        | 691      | 700       | rBV   | 116501      | 210338     | 20.80%       | 1.762%     |
| 19     | 7.515    | 707        | 711      | 713       | rBV   | 2518        | 3296       | 0.33%        | 0.028%     |
| 20     | 7.586    | 716        | 723      | 732       | rVB   | 71610       | 126099     | 12.47%       | 1.057%     |
| 21     | 7.797    | 751        | 759      | 766       | rBV   | 109902      | 197799     | 19.56%       | 1.657%     |
| 22     | 7.862    | 766        | 770      | 772       | rBV3  | 2881        | 4100       | 0.41%        | 0.034%     |
| 23     | 8.003    | 793        | 794      | 797       | rBV   | 3749        | 3243       | 0.32%        | 0.027%     |
| 24     | 8.179    | 822        | 824      | 830       | rVB3  | 2927        | 3716       | 0.37%        | 0.031%     |
| 25     | 8.273    | 832        | 840      | 847       | rVV   | 162338      | 279231     | 27.62%       | 2.340%     |
| 26     | 8.320    | 847        | 848      | 852       | rVV   | 3777        | 3382       | 0.33%        | 0.028%     |
| 27     | 8.955    | 950        | 956      | 964       | rVV2  | 131019      | 233426     | 23.09%       | 1.956%     |
| 28     | 9.096    | 976        | 980      | 984       | rVB3  | 2758        | 4740       | 0.47%        | 0.040%     |
| 29     | 9.436    | 1030       | 1038     | 1047      | rVB   | 109456      | 199935     | 19.77%       | 1.675%     |
| 30     | 9.671    | 1075       | 1078     | 1080      | rBV   | 2991        | 3401       | 0.34%        | 0.028%     |
| 31     | 9.865    | 1107       | 1111     | 1112      | rBV   | 4210        | 4258       | 0.42%        | 0.036%     |
| 32     | 10.165   | 1154       | 1162     | 1170      | rVB2  | 94990       | 169674     | 16.78%       | 1.422%     |
| 33     | 10.500   | 1215       | 1219     | 1222      | rBV   | 2530        | 2952       | 0.29%        | 0.025%     |
| 34     | 10.706   | 1246       | 1254     | 1263      | rVV   | 158700      | 290179     | 28.70%       | 2.431%     |

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 Peak separation: 5

Method : Z:\SVOASRV\HPCHEM1\BNA\_G\METHODS\SOM-EPA-BG111920MA.M  
 Title : SVOA CALIBRATION

|    |        |      |      |      |      |        |        |        |        |
|----|--------|------|------|------|------|--------|--------|--------|--------|
| 35 | 11.099 | 1313 | 1321 | 1333 | rVB  | 215427 | 385684 | 38.14% | 3.232% |
| 36 | 11.217 | 1333 | 1341 | 1349 | rBV2 | 105931 | 204480 | 20.22% | 1.713% |
| 37 | 11.405 | 1369 | 1373 | 1374 | rBV2 | 3614   | 2927   | 0.29%  | 0.025% |
| 38 | 11.440 | 1374 | 1379 | 1382 | rBV3 | 2800   | 5210   | 0.52%  | 0.044% |
| 39 | 11.628 | 1409 | 1411 | 1414 | rVB2 | 3501   | 3317   | 0.33%  | 0.028% |
| 40 | 12.151 | 1496 | 1500 | 1502 | rBV  | 3138   | 3477   | 0.34%  | 0.029% |
| 41 | 12.545 | 1564 | 1567 | 1572 | rVB3 | 2580   | 3442   | 0.34%  | 0.029% |
| 42 | 12.668 | 1583 | 1588 | 1592 | rBV4 | 3296   | 6591   | 0.65%  | 0.055% |
| 43 | 13.167 | 1670 | 1673 | 1675 | rBV  | 2539   | 2847   | 0.28%  | 0.024% |
| 44 | 13.332 | 1700 | 1701 | 1706 | rVB2 | 2460   | 3220   | 0.32%  | 0.027% |
| 45 | 13.426 | 1713 | 1717 | 1719 | rVB2 | 2761   | 4011   | 0.40%  | 0.034% |
| 46 | 13.491 | 1726 | 1728 | 1733 | rBV2 | 3585   | 3996   | 0.40%  | 0.033% |
| 47 | 13.708 | 1761 | 1765 | 1771 | rVB4 | 4887   | 9398   | 0.93%  | 0.079% |
| 48 | 13.767 | 1771 | 1775 | 1780 | rBV3 | 9971   | 14394  | 1.42%  | 0.121% |
| 49 | 14.166 | 1840 | 1843 | 1847 | rBV2 | 6747   | 10933  | 1.08%  | 0.092% |
| 50 | 14.278 | 1856 | 1862 | 1866 | rBV  | 323432 | 471506 | 46.63% | 3.951% |
| 51 | 14.319 | 1866 | 1869 | 1875 | rVB  | 144624 | 207867 | 20.56% | 1.742% |
| 52 | 14.513 | 1897 | 1902 | 1906 | rVV4 | 6607   | 10709  | 1.06%  | 0.090% |
| 53 | 14.577 | 1906 | 1913 | 1921 | rVB  | 312710 | 496479 | 49.10% | 4.160% |
| 54 | 14.765 | 1942 | 1945 | 1949 | rVB3 | 5652   | 6262   | 0.62%  | 0.052% |
| 55 | 14.883 | 1958 | 1965 | 1972 | rBV2 | 352166 | 588134 | 58.17% | 4.928% |
| 56 | 15.030 | 1983 | 1990 | 1997 | rBV2 | 112895 | 184347 | 18.23% | 1.545% |
| 57 | 15.277 | 2028 | 2032 | 2038 | rVB4 | 4176   | 7517   | 0.74%  | 0.063% |
| 58 | 15.664 | 2095 | 2098 | 2104 | rVV4 | 4967   | 10177  | 1.01%  | 0.085% |
| 59 | 15.776 | 2115 | 2117 | 2122 | rVB  | 2809   | 3091   | 0.31%  | 0.026% |
| 60 | 15.864 | 2127 | 2132 | 2140 | rVB  | 413216 | 641806 | 63.47% | 5.378% |
| 61 | 15.958 | 2144 | 2148 | 2157 | rBV3 | 94190  | 153417 | 15.17% | 1.285% |
| 62 | 16.105 | 2168 | 2173 | 2177 | rVB4 | 9602   | 14037  | 1.39%  | 0.118% |
| 63 | 16.434 | 2226 | 2229 | 2230 | rBV3 | 4140   | 3351   | 0.33%  | 0.028% |
| 64 | 16.481 | 2233 | 2237 | 2240 | rBV4 | 2945   | 5651   | 0.56%  | 0.047% |
| 65 | 16.534 | 2243 | 2246 | 2249 | rBV4 | 4905   | 7105   | 0.70%  | 0.060% |
| 66 | 16.746 | 2280 | 2282 | 2283 | rBV2 | 4090   | 3996   | 0.40%  | 0.033% |
| 67 | 16.763 | 2283 | 2285 | 2291 | rVB7 | 7608   | 10190  | 1.01%  | 0.085% |
| 68 | 16.851 | 2296 | 2300 | 2306 | rBV4 | 11439  | 19208  | 1.90%  | 0.161% |
| 69 | 17.098 | 2340 | 2342 | 2346 | rVB5 | 2689   | 2952   | 0.29%  | 0.025% |
| 70 | 17.210 | 2359 | 2361 | 2362 | rBV2 | 4647   | 3092   | 0.31%  | 0.026% |
| 71 | 17.304 | 2374 | 2377 | 2379 | rBV4 | 3776   | 5581   | 0.55%  | 0.047% |

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Method : Z:\SVOASRV\HPCHEM1\BNA\_G\METHODS\SOM-EPA-BG111920MA.M  
 Title : SVOA CALIBRATION

|     |        |      |      |      |      |        |         |         |        |
|-----|--------|------|------|------|------|--------|---------|---------|--------|
| 72  | 17.351 | 2381 | 2385 | 2388 | rBV4 | 13754  | 18507   | 1.83%   | 0.155% |
| 73  | 17.398 | 2391 | 2393 | 2394 | rBV2 | 6535   | 4954    | 0.49%   | 0.042% |
| 74  | 17.503 | 2407 | 2411 | 2412 | rBV3 | 5088   | 5856    | 0.58%   | 0.049% |
| 75  | 17.562 | 2417 | 2421 | 2423 | rBV3 | 4270   | 5443    | 0.54%   | 0.046% |
| 76  | 17.615 | 2424 | 2430 | 2436 | rBV  | 510368 | 763745  | 75.53%  | 6.399% |
| 77  | 17.715 | 2441 | 2447 | 2456 | rVV  | 507929 | 748485  | 74.02%  | 6.271% |
| 78  | 17.985 | 2491 | 2493 | 2494 | rBV2 | 3947   | 2992    | 0.30%   | 0.025% |
| 79  | 18.314 | 2544 | 2549 | 2553 | rBV2 | 31309  | 45890   | 4.54%   | 0.385% |
| 80  | 18.379 | 2557 | 2560 | 2562 | rBV3 | 4268   | 5409    | 0.53%   | 0.045% |
| 81  | 18.485 | 2574 | 2578 | 2584 | rBV4 | 41481  | 70965   | 7.02%   | 0.595% |
| 82  | 18.673 | 2606 | 2610 | 2612 | rBV4 | 7374   | 10665   | 1.05%   | 0.089% |
| 83  | 18.778 | 2626 | 2628 | 2633 | rBV5 | 5791   | 7287    | 0.72%   | 0.061% |
| 84  | 18.931 | 2652 | 2654 | 2655 | rBV2 | 6523   | 3673    | 0.36%   | 0.031% |
| 85  | 19.260 | 2705 | 2710 | 2714 | rBV  | 85650  | 115460  | 11.42%  | 0.967% |
| 86  | 19.337 | 2720 | 2723 | 2727 | rBV4 | 13826  | 21539   | 2.13%   | 0.180% |
| 87  | 19.366 | 2727 | 2728 | 2733 | rVV4 | 9942   | 13547   | 1.34%   | 0.114% |
| 88  | 19.454 | 2739 | 2743 | 2748 | rVB2 | 118492 | 149139  | 14.75%  | 1.250% |
| 89  | 19.648 | 2771 | 2776 | 2784 | rVB2 | 60079  | 103532  | 10.24%  | 0.867% |
| 90  | 19.789 | 2798 | 2800 | 2801 | rBV2 | 9405   | 6138    | 0.61%   | 0.051% |
| 91  | 19.977 | 2827 | 2832 | 2841 | rVB  | 636028 | 1011132 | 100.00% | 8.472% |
| 92  | 20.312 | 2886 | 2889 | 2895 | rVB8 | 20241  | 29436   | 2.91%   | 0.247% |
| 93  | 20.670 | 2947 | 2950 | 2955 | rVB3 | 38343  | 49248   | 4.87%   | 0.413% |
| 94  | 20.876 | 2982 | 2985 | 2991 | rVB4 | 76244  | 101357  | 10.02%  | 0.849% |
| 95  | 21.511 | 3089 | 3093 | 3101 | rBV2 | 118672 | 205382  | 20.31%  | 1.721% |
| 96  | 21.775 | 3133 | 3138 | 3150 | rVB  | 429235 | 614597  | 60.78%  | 5.150% |
| 97  | 21.898 | 3151 | 3159 | 3165 | rBV  | 460027 | 838484  | 82.93%  | 7.025% |
| 98  | 22.750 | 3299 | 3304 | 3310 | rBV8 | 43665  | 93970   | 9.29%   | 0.787% |
| 99  | 25.059 | 3688 | 3697 | 3708 | rBV2 | 270793 | 777067  | 76.85%  | 6.511% |
| 100 | 25.294 | 3728 | 3737 | 3746 | rBV  | 256677 | 735093  | 72.70%  | 6.159% |

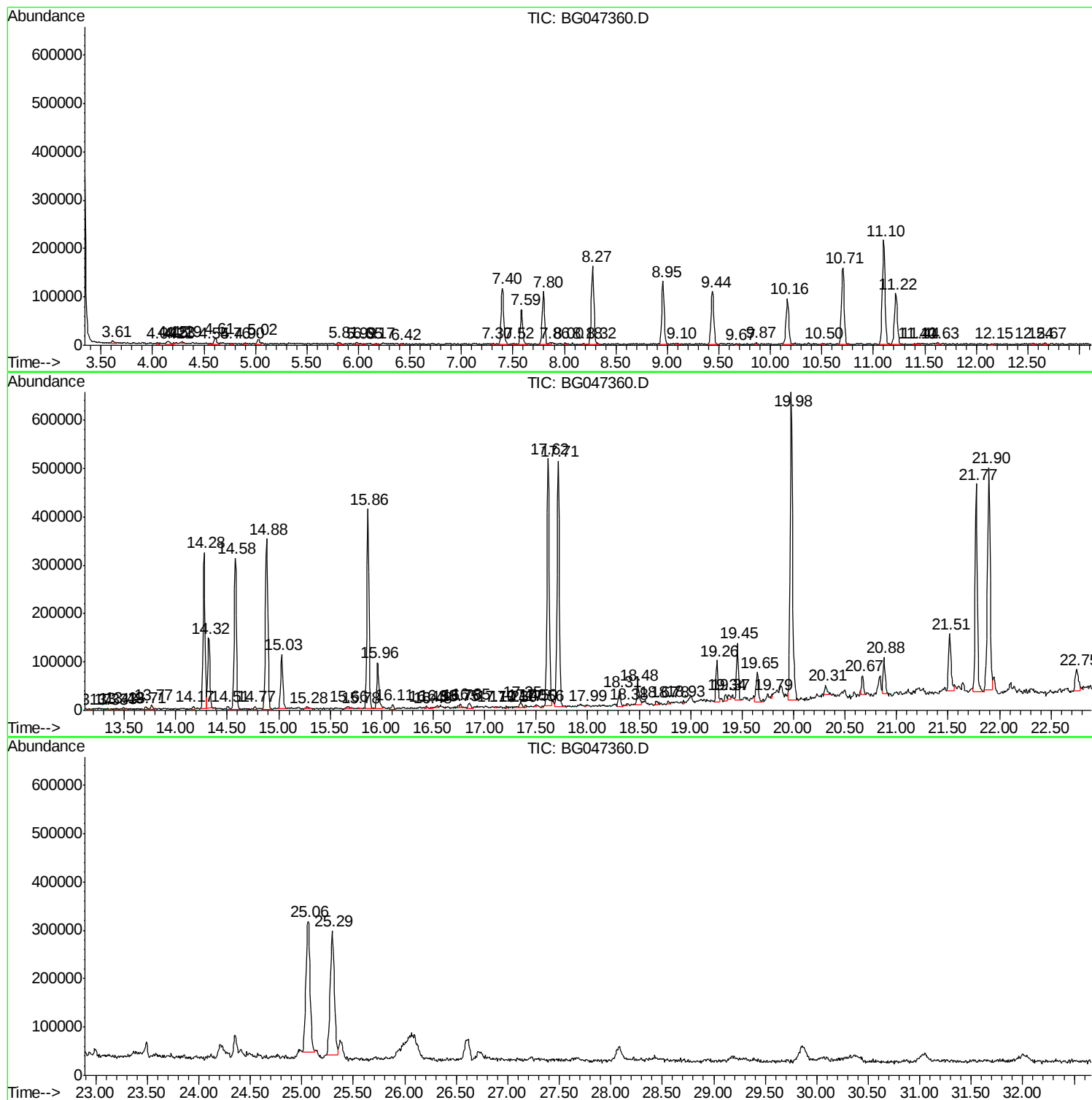
Sum of corrected areas: 11934891

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Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_G\METHODS\SOM-EPA-BG111920MA.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-BG111920MA.M  
Quant Title : SVOA CALIBRATION

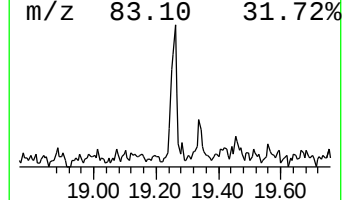
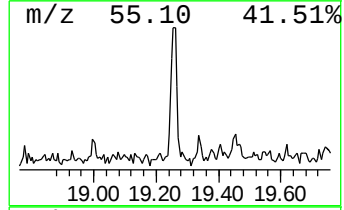
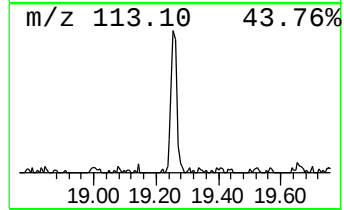
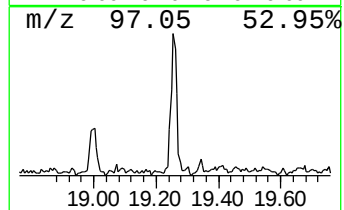
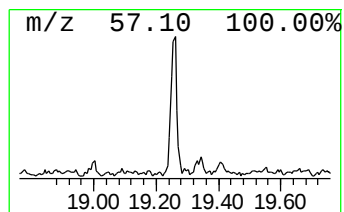
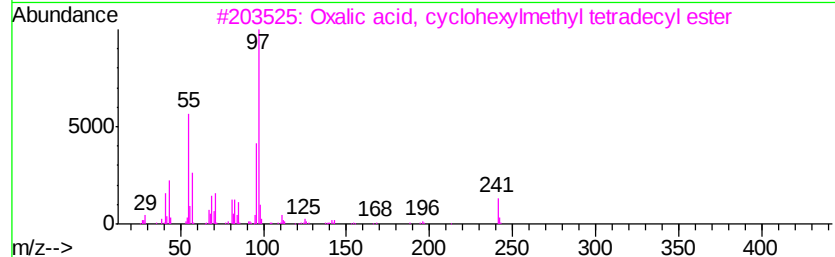
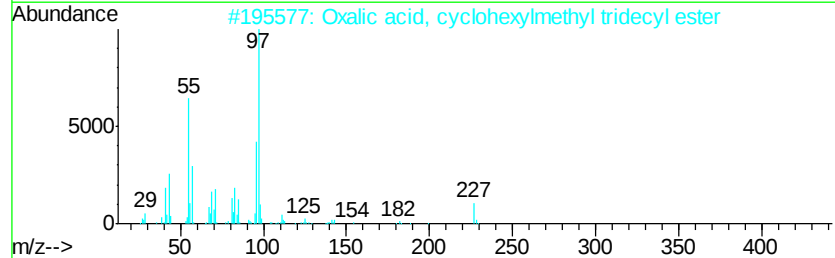
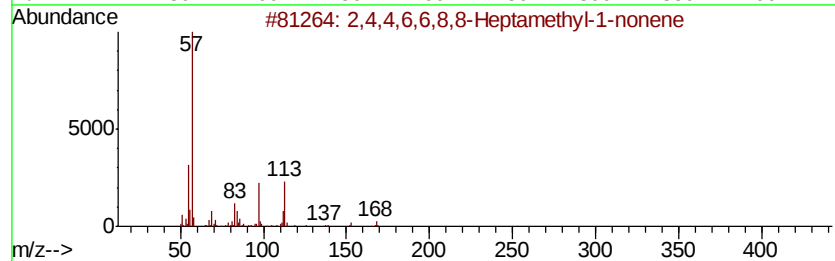
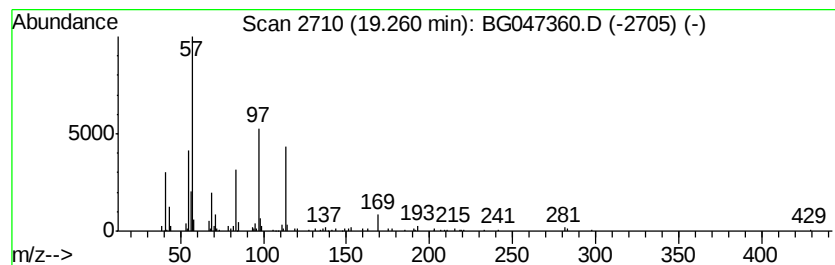
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 1 (DEL) Alkane: Straight-Chai... Concentration Rank 3

| R.T.  | EstConc    | Area   | Relative to ISTD | R.T.  |
|-------|------------|--------|------------------|-------|
| 19.26 | 3.02 ng/ul | 115460 | Phenanthrene-d10 | 17.62 |

| Hit# | of                                  | 5   | Tentative ID | MW           | MolForm | CAS# | Qual |
|------|-------------------------------------|-----|--------------|--------------|---------|------|------|
| 1    | 2,4,4,6,6,8,8-Heptamethyl-1-nonene  | 224 | C16H32       | 015796-04-0  | 45      |      |      |
| 2    | Oxalic acid, cyclohexylmethyl tr... | 368 | C22H40O4     | 1000309-69-1 | 22      |      |      |
| 3    | Oxalic acid, cyclohexylmethyl te... | 382 | C23H42O4     | 1000309-69-0 | 22      |      |      |
| 4    | 1-Hexene, 5,5-dimethyl-             | 112 | C8H16        | 007116-86-1  | 16      |      |      |
| 5    | Formic acid, 2,4,4-trimethylpent... | 158 | C9H18O2      | 1000368-95-2 | 16      |      |      |



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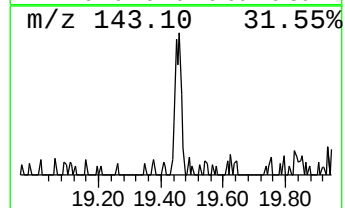
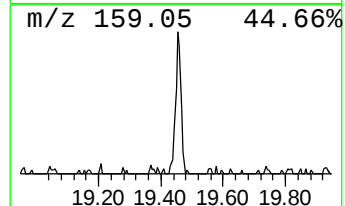
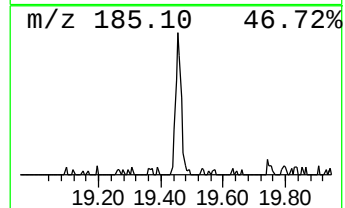
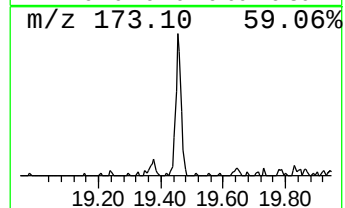
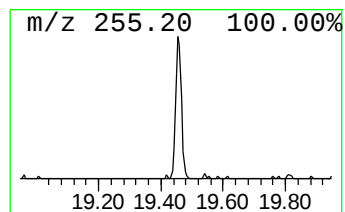
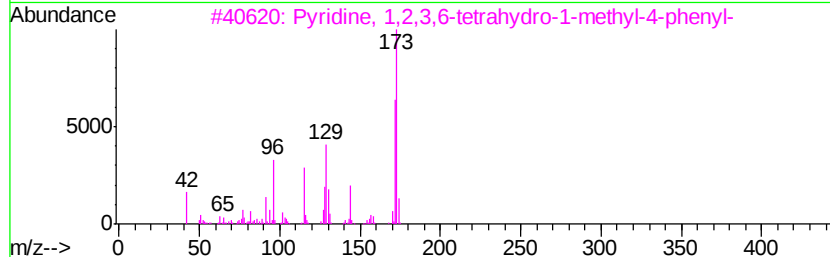
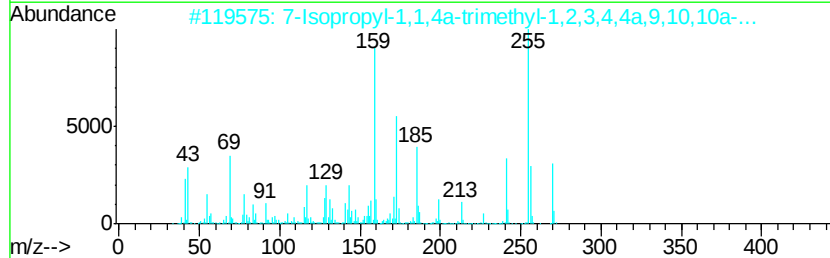
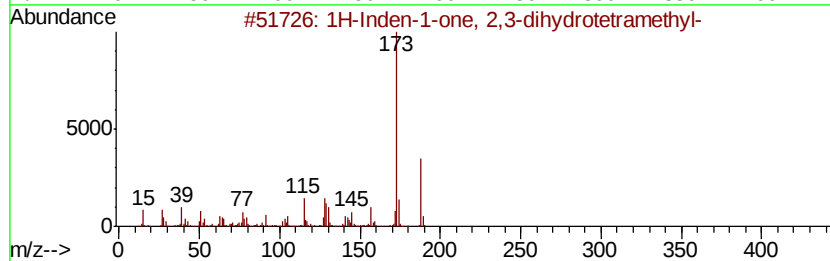
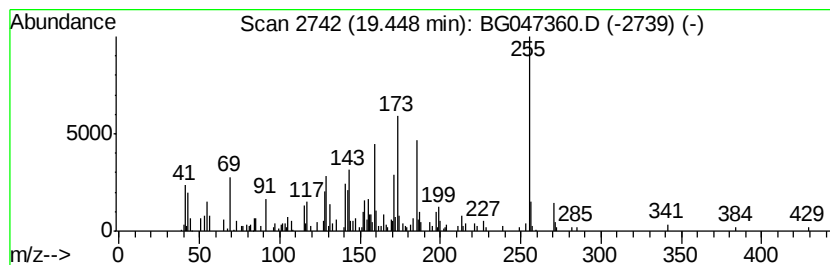
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Quant Title : SVOA CALIBRATION

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

\*\*\*\*\*  
Peak Number 2 unknown-01 Concentration Rank 2

| R.T.    | EstConc    | Area                                | Relative to ISTD | R.T.            |
|---------|------------|-------------------------------------|------------------|-----------------|
| 19.45   | 3.91 ng/ul | 149139                              | Phenanthrene-d10 | 17.62           |
| Hit# of | 5          | Tentative ID                        | MW MolForm       | CAS# Qual       |
| 1       |            | 1H-Inden-1-one, 2,3-dihydrotetra... | 188 C13H16O      | 089907-33-5 35  |
| 2       |            | 7-Isopropyl-1,1,4a-trimethyl-1,2... | 270 C20H30       | 1000210-28-9 35 |
| 3       |            | Pvridine, 1,2,3,6-tetrahydro-1-m... | 173 C12H15N      | 028289-54-5 20  |
| 4       |            | 4-Phenyl-3-penten-2-one p-toluen... | 328 C18H20N2O2S  | 1000211-12-1 14 |
| 5       |            | 2(5H)-Furanone, 5-(phenylimino)-    | 173 C10H7NO2     | 019990-26-2 14  |



Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG111920\  
Data File : BG047360.D  
Acq On : 19 Nov 2020 20:03  
Operator : CG/JU  
Sample : L4710-12  
Misc :  
ALS Vial : 14 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
C0B32

Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_G\METHODS\SOM-EPA-BG111920MA.M  
Quant Title : SVOA CALIBRATION

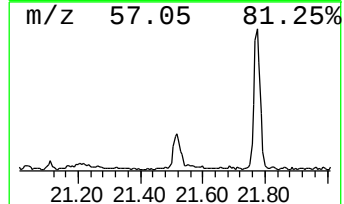
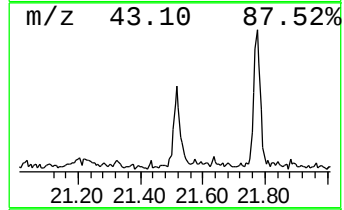
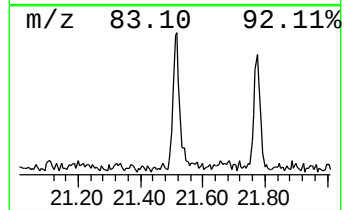
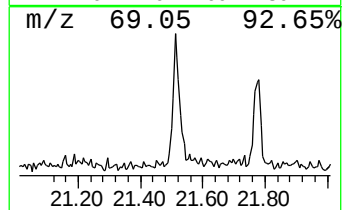
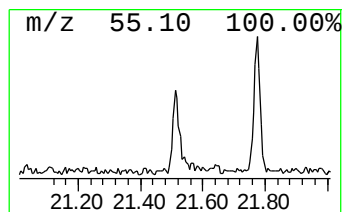
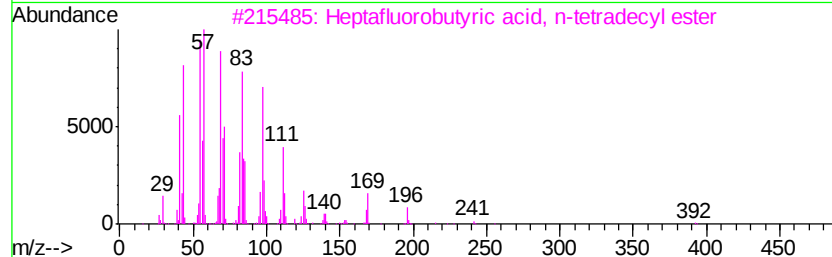
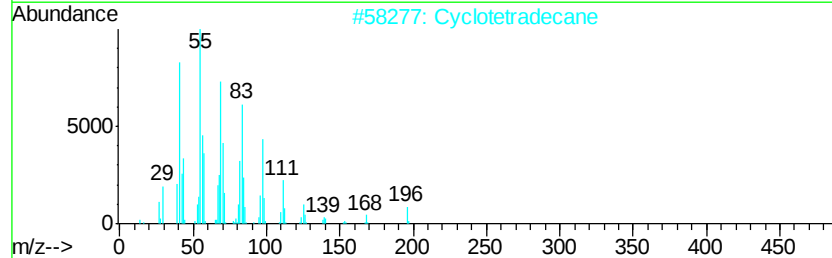
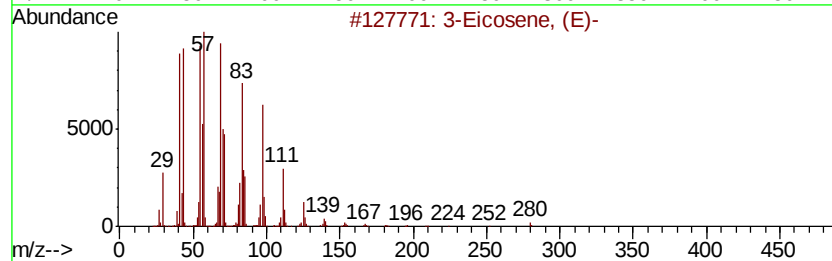
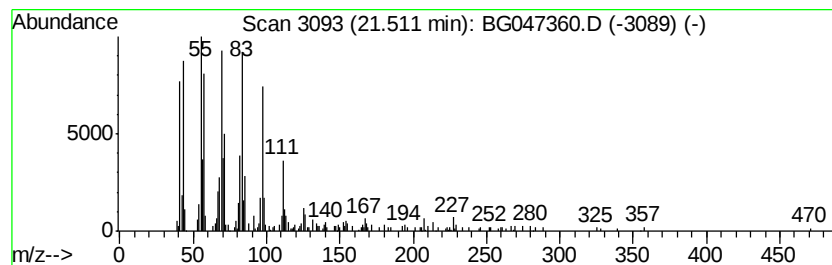
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 3 (DEL) Alkane: Straight-Chai... Concentration Rank 1

| R.T.  | EstConc    | Area   | Relative to ISTD | R.T.  |
|-------|------------|--------|------------------|-------|
| 21.51 | 4.90 ng/ul | 205382 | Chrysene-d12     | 21.90 |

| Hit# | of                                  | Tentative ID | MW  | MolForm    | CAS#        | Qual |
|------|-------------------------------------|--------------|-----|------------|-------------|------|
| 1    | 3-Eicosene, (E)-                    |              | 280 | C20H40     | 074685-33-9 | 93   |
| 2    | Cyclotetradecane                    |              | 196 | C14H28     | 000295-17-0 | 92   |
| 3    | Heptafluorobutyric acid, n-tetra... |              | 410 | C18H29F7O2 | 007365-36-8 | 91   |
| 4    | 1-Heneicosyl formate                |              | 340 | C22H44O2   | 077899-03-7 | 91   |
| 5    | 9-Eicosene, (E)-                    |              | 280 | C20H40     | 074685-29-3 | 90   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG111920\  
Data File : BG047360.D  
Acq On : 19 Nov 2020 20:03  
Operator : CG/JU  
Sample : L4710-12  
Misc :  
ALS Vial : 14 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
C0B32

Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_G\METHODS\SOM-EPA-BG111920MA.M  
Quant Title : SVOA CALIBRATION

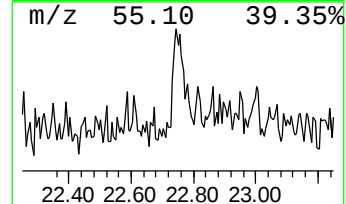
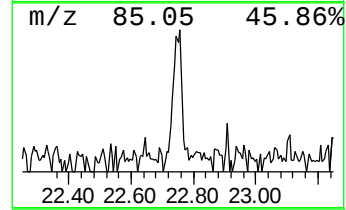
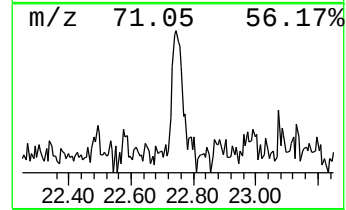
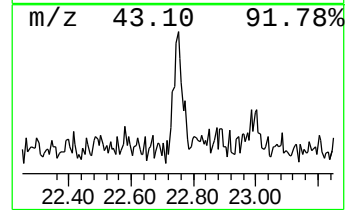
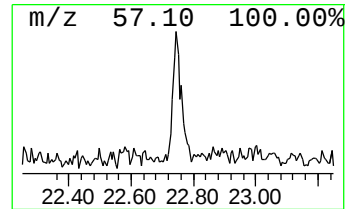
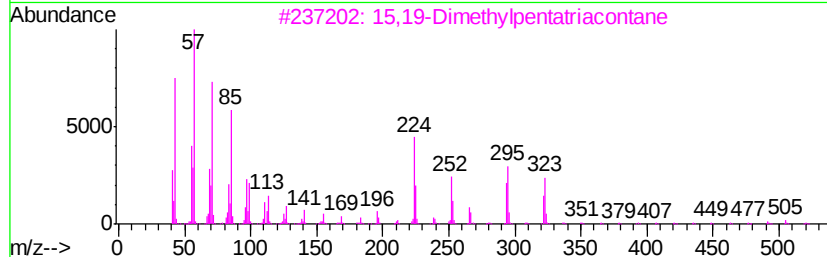
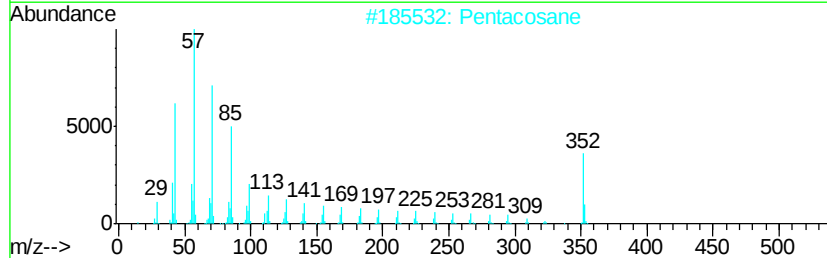
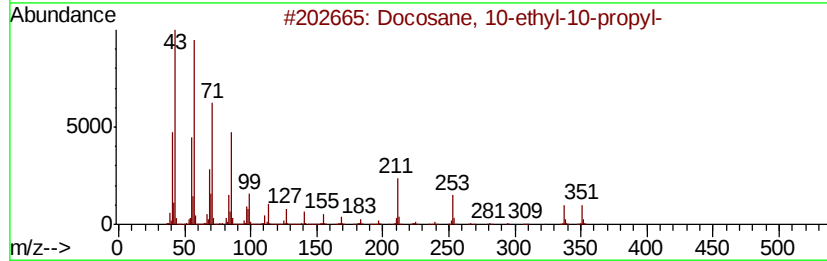
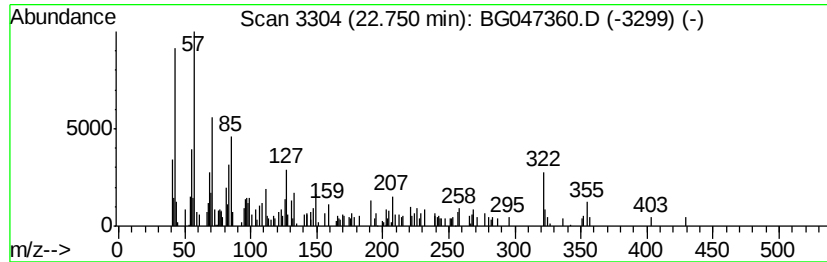
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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

| R.T.  | EstConc    | Area  | Relative to ISTD | R.T.  |
|-------|------------|-------|------------------|-------|
| 22.75 | 2.24 ng/ul | 93970 | Chrysene-d12     | 21.90 |

| Hit# | of | Tentative ID                   | MW  | MolForm | CAS#        | Qual |
|------|----|--------------------------------|-----|---------|-------------|------|
| 1    | 5  | Docosane, 10-ethyl-10-propyl-  | 380 | C27H56  | 055282-31-0 | 38   |
| 2    |    | Pentacosane                    | 352 | C25H52  | 000629-99-2 | 37   |
| 3    |    | 15,19-Dimethylpentatriacontane | 521 | C37H76  | 056987-86-1 | 37   |
| 4    |    | 17,21-Dimethylheptatriacontane | 549 | C39H80  | 067979-79-7 | 32   |
| 5    |    | Octadecane, 9-ethyl-9-heptyl-  | 380 | C27H56  | 055282-27-4 | 32   |



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Data File : BG047360.D  
Acq On : 19 Nov 2020 20:03  
Operator : CG/JU  
Sample : L4710-12  
Misc :  
ALS Vial : 14 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
C0B32

Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_G\METHODS\SOM-EPA-BG111920MA.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 |
| (DEL) Alkane: Str... | 19.26 | 3.0     | ng/ul | 115460   | 4                     | 17.62 | 763745 | 20.0 |
| unknown-01           | 19.45 | 3.9     | ng/ul | 149139   | 4                     | 17.62 | 763745 | 20.0 |
| (DEL) Alkane: Str... | 21.51 | 4.9     | ng/ul | 205382   | 5                     | 21.90 | 838484 | 20.0 |
| (DEL) Alkane: Str... | 22.75 | 2.2     | ng/ul | 93970    | 5                     | 21.90 | 838484 | 20.0 |