

Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG091023\  
 Data File : BG058997.D  
 Acq On : 12 Sep 2023 1:01  
 Operator : MA/JU  
 Sample : 04234-10  
 Misc :  
 ALS Vial : 97 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 YC1F6

Integration Parameters: LSCINT.P

Integrator: RTE

Smoothing : OFF

Filtering: 5

Sampling : 1

Min Area: 0.1 % of largest Peak

Start Thrs: 0.2

Max Peaks: 100

Stop Thrs : 0

Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >

Peak separation: 5

Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\SFAM-EPA-BG091023.MA.M  
 Title : SVOA CALIBRATION

Signal : TIC: BG058997.D\data.ms

| 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         | 3.641       | 21            | 26          | 27           | rBV2     | 19280          | 20943         | 0.68%           | 0.062%        |
| 2         | 3.688       | 32            | 34          | 37           | rVB3     | 5847           | 6553          | 0.21%           | 0.019%        |
| 3         | 3.952       | 75            | 79          | 80           | rBV4     | 7040           | 8543          | 0.28%           | 0.025%        |
| 4         | 4.075       | 96            | 100         | 106          | rBV2     | 35404          | 65947         | 2.14%           | 0.195%        |
| 5         | 4.410       | 153           | 157         | 161          | rVB2     | 15822          | 22693         | 0.74%           | 0.067%        |
| 6         | 4.522       | 173           | 176         | 178          | rBV3     | 9023           | 8275          | 0.27%           | 0.024%        |
| 7         | 4.869       | 232           | 235         | 237          | rVB4     | 6874           | 7490          | 0.24%           | 0.022%        |
| 8         | 4.927       | 241           | 245         | 248          | rBV4     | 6744           | 8614          | 0.28%           | 0.025%        |
| 9         | 5.268       | 300           | 303         | 306          | rVB3     | 7392           | 8710          | 0.28%           | 0.026%        |
| 10        | 5.421       | 327           | 329         | 334          | rVB3     | 10688          | 13160         | 0.43%           | 0.039%        |
| 11        | 5.603       | 355           | 360         | 362          | rBV4     | 5647           | 8456          | 0.27%           | 0.025%        |
| 12        | 6.049       | 433           | 436         | 440          | rBV2     | 6771           | 10403         | 0.34%           | 0.031%        |
| 13        | 6.161       | 450           | 455         | 456          | rBV3     | 6022           | 7825          | 0.25%           | 0.023%        |
| 14        | 6.279       | 471           | 475         | 476          | rBV3     | 6563           | 7529          | 0.24%           | 0.022%        |
| 15        | 7.183       | 625           | 629         | 631          | rBV2     | 4475           | 7173          | 0.23%           | 0.021%        |
| 16        | 7.430       | 665           | 671         | 679          | rBV      | 387158         | 686843        | 22.29%          | 2.031%        |
| 17        | 7.642       | 701           | 707         | 715          | rBV      | 323848         | 538757        | 17.48%          | 1.593%        |
| 18        | 7.836       | 728           | 740         | 753          | rBV2     | 365089         | 688319        | 22.33%          | 2.035%        |
| 19        | 7.953       | 757           | 760         | 761          | rBV3     | 6671           | 7137          | 0.23%           | 0.021%        |
| 20        | 8.035       | 771           | 774         | 777          | rVB2     | 6407           | 6734          | 0.22%           | 0.020%        |
| 21        | 8.141       | 788           | 792         | 795          | rBV4     | 5452           | 9469          | 0.31%           | 0.028%        |
| 22        | 8.323       | 813           | 823         | 831          | rBV      | 477535         | 830545        | 26.95%          | 2.455%        |
| 23        | 8.447       | 841           | 844         | 846          | rBV2     | 6708           | 6370          | 0.21%           | 0.019%        |
| 24        | 8.576       | 864           | 866         | 871          | rVB4     | 6440           | 7790          | 0.25%           | 0.023%        |
| 25        | 8.858       | 912           | 914         | 916          | rBV4     | 5697           | 6475          | 0.21%           | 0.019%        |
| 26        | 8.999       | 932           | 938         | 949          | rBV      | 462063         | 791849        | 25.69%          | 2.341%        |
| 27        | 9.146       | 961           | 963         | 967          | rVB      | 6726           | 8156          | 0.26%           | 0.024%        |
| 28        | 9.310       | 988           | 991         | 994          | rBV      | 6064           | 7060          | 0.23%           | 0.021%        |
| 29        | 9.516       | 1019          | 1026        | 1033         | rVB      | 376604         | 669001        | 21.71%          | 1.978%        |
| 30        | 9.728       | 1059          | 1062        | 1063         | rBV3     | 7780           | 7404          | 0.24%           | 0.022%        |
| 31        | 10.045      | 1113          | 1116        | 1120         | rBV2     | 5882           | 8022          | 0.26%           | 0.024%        |
| 32        | 10.151      | 1131          | 1134        | 1137         | rBV2     | 7353           | 8714          | 0.28%           | 0.026%        |
| 33        | 10.233      | 1141          | 1148        | 1157         | rBV      | 309501         | 564722        | 18.32%          | 1.670%        |
| 34        | 10.427      | 1177          | 1181        | 1182         | rBV2     | 5233           | 6798          | 0.22%           | 0.020%        |
| 35        | 10.756      | 1230          | 1237        | 1245         | rBV      | 492512         | 901497        | 29.25%          | 2.665%        |
| 36        | 11.108      | 1292          | 1297        | 1298         | rBV3     | 6462           | 7725          | 0.25%           | 0.023%        |

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Integrator: RTE

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Filtering: 5

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Start Thrs: 0.2

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Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >

Peak separation: 5

Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\SFAM-EPA-BG091023.MA.M  
 Title : SVOA CALIBRATION

|    |        |      |      |      |      |         |         |        |        |
|----|--------|------|------|------|------|---------|---------|--------|--------|
| 37 | 11.167 | 1298 | 1307 | 1316 | rVB  | 683569  | 1264452 | 41.03% | 3.738% |
| 38 | 11.308 | 1324 | 1331 | 1337 | rBV2 | 173875  | 331248  | 10.75% | 0.979% |
| 39 | 11.878 | 1424 | 1428 | 1431 | rVB3 | 6109    | 10027   | 0.33%  | 0.030% |
| 40 | 12.313 | 1500 | 1502 | 1506 | rBV  | 5159    | 8257    | 0.27%  | 0.024% |
| 41 | 12.377 | 1509 | 1513 | 1514 | rBV  | 6110    | 6991    | 0.23%  | 0.021% |
| 42 | 12.436 | 1522 | 1523 | 1526 | rVB  | 6711    | 6355    | 0.21%  | 0.019% |
| 43 | 12.465 | 1526 | 1528 | 1532 | rBV3 | 6498    | 7772    | 0.25%  | 0.023% |
| 44 | 12.724 | 1567 | 1572 | 1577 | rVV4 | 13044   | 20297   | 0.66%  | 0.060% |
| 45 | 12.853 | 1590 | 1594 | 1598 | rVB4 | 4946    | 9048    | 0.29%  | 0.027% |
| 46 | 13.276 | 1664 | 1666 | 1672 | rBV6 | 6972    | 13500   | 0.44%  | 0.040% |
| 47 | 13.523 | 1704 | 1708 | 1711 | rVB3 | 5589    | 10158   | 0.33%  | 0.030% |
| 48 | 13.594 | 1717 | 1720 | 1723 | rBV4 | 6265    | 6456    | 0.21%  | 0.019% |
| 49 | 13.776 | 1746 | 1751 | 1757 | rBV2 | 45549   | 76341   | 2.48%  | 0.226% |
| 50 | 14.011 | 1788 | 1791 | 1793 | rBV2 | 4875    | 6289    | 0.20%  | 0.019% |
| 51 | 14.105 | 1804 | 1807 | 1808 | rBV2 | 8845    | 6385    | 0.21%  | 0.019% |
| 52 | 14.340 | 1841 | 1847 | 1854 | rVB  | 863231  | 1275672 | 41.39% | 3.772% |
| 53 | 14.540 | 1878 | 1881 | 1882 | rVB3 | 7667    | 6372    | 0.21%  | 0.019% |
| 54 | 14.651 | 1893 | 1900 | 1907 | rVB2 | 1023972 | 1616879 | 52.46% | 4.780% |
| 55 | 14.751 | 1915 | 1917 | 1920 | rVB4 | 5748    | 6931    | 0.22%  | 0.020% |
| 56 | 14.792 | 1920 | 1924 | 1925 | rBV2 | 9093    | 7671    | 0.25%  | 0.023% |
| 57 | 14.839 | 1929 | 1932 | 1934 | rVB4 | 7081    | 8121    | 0.26%  | 0.024% |
| 58 | 14.869 | 1934 | 1937 | 1938 | rBV2 | 5468    | 6666    | 0.22%  | 0.020% |
| 59 | 14.951 | 1943 | 1951 | 1959 | rVB  | 1144164 | 1851420 | 60.07% | 5.474% |
| 60 | 15.109 | 1969 | 1978 | 1987 | rBV2 | 428138  | 650135  | 21.09% | 1.922% |
| 61 | 15.515 | 2045 | 2047 | 2049 | rBV2 | 5882    | 6827    | 0.22%  | 0.020% |
| 62 | 15.862 | 2101 | 2106 | 2108 | rBV4 | 7532    | 10295   | 0.33%  | 0.030% |
| 63 | 15.932 | 2111 | 2118 | 2125 | rVV  | 1374019 | 2090212 | 67.82% | 6.180% |
| 64 | 16.032 | 2130 | 2135 | 2143 | rVB  | 304922  | 471430  | 15.30% | 1.394% |
| 65 | 16.173 | 2156 | 2159 | 2162 | rBV3 | 12554   | 14876   | 0.48%  | 0.044% |
| 66 | 16.267 | 2171 | 2175 | 2178 | rVB3 | 6716    | 9303    | 0.30%  | 0.028% |
| 67 | 17.019 | 2300 | 2303 | 2307 | rVB5 | 11423   | 16882   | 0.55%  | 0.050% |
| 68 | 17.066 | 2307 | 2311 | 2312 | rBV2 | 8212    | 8096    | 0.26%  | 0.024% |
| 69 | 17.101 | 2316 | 2317 | 2320 | rBV3 | 9140    | 7693    | 0.25%  | 0.023% |
| 70 | 17.201 | 2332 | 2334 | 2336 | rBV2 | 6994    | 6685    | 0.22%  | 0.020% |
| 71 | 17.254 | 2342 | 2343 | 2350 | rVB3 | 5333    | 6483    | 0.21%  | 0.019% |
| 72 | 17.307 | 2350 | 2352 | 2357 | rVB5 | 4727    | 7379    | 0.24%  | 0.022% |
| 73 | 17.413 | 2366 | 2370 | 2372 | rBV3 | 5369    | 6325    | 0.21%  | 0.019% |
| 74 | 17.483 | 2379 | 2382 | 2384 | rVV4 | 8140    | 8287    | 0.27%  | 0.025% |
| 75 | 17.695 | 2410 | 2418 | 2426 | rBV  | 1598174 | 2540912 | 82.44% | 7.512% |
| 76 | 17.795 | 2428 | 2435 | 2442 | rBV2 | 1558814 | 2328778 | 75.56% | 6.885% |

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Integrator: RTE

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Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\SFAM-EPA-BG091023.MA.M  
 Title : SVOA CALIBRATION

|     |        |      |      |      |      |         |         |         |        |
|-----|--------|------|------|------|------|---------|---------|---------|--------|
| 77  | 18.018 | 2471 | 2473 | 2477 | rVB5 | 11689   | 13539   | 0.44%   | 0.040% |
| 78  | 18.300 | 2518 | 2521 | 2529 | rVB9 | 13457   | 22999   | 0.75%   | 0.068% |
| 79  | 18.394 | 2532 | 2537 | 2541 | rBV6 | 16469   | 24750   | 0.80%   | 0.073% |
| 80  | 18.517 | 2553 | 2558 | 2569 | rBV2 | 358714  | 539801  | 17.51%  | 1.596% |
| 81  | 18.758 | 2595 | 2599 | 2600 | rBV4 | 10053   | 7749    | 0.25%   | 0.023% |
| 82  | 18.934 | 2625 | 2629 | 2634 | rVB8 | 14270   | 23600   | 0.77%   | 0.070% |
| 83  | 19.169 | 2667 | 2669 | 2672 | rVB4 | 7214    | 6405    | 0.21%   | 0.019% |
| 84  | 19.258 | 2680 | 2684 | 2686 | rBV5 | 8302    | 11631   | 0.38%   | 0.034% |
| 85  | 19.387 | 2701 | 2706 | 2708 | rBV5 | 12028   | 21460   | 0.70%   | 0.063% |
| 86  | 19.634 | 2743 | 2748 | 2751 | rBV5 | 45988   | 69583   | 2.26%   | 0.206% |
| 87  | 19.663 | 2751 | 2753 | 2754 | rBV2 | 15762   | 11422   | 0.37%   | 0.034% |
| 88  | 19.775 | 2768 | 2772 | 2778 | rBV2 | 127515  | 176129  | 5.71%   | 0.521% |
| 89  | 19.927 | 2794 | 2798 | 2803 | rVB8 | 18585   | 25671   | 0.83%   | 0.076% |
| 90  | 20.068 | 2814 | 2822 | 2828 | rBV  | 1862095 | 2806814 | 91.07%  | 8.298% |
| 91  | 20.967 | 2973 | 2975 | 2981 | rVB7 | 23504   | 21917   | 0.71%   | 0.065% |
| 92  | 21.026 | 2982 | 2985 | 2991 | rVB6 | 35367   | 55168   | 1.79%   | 0.163% |
| 93  | 21.572 | 3073 | 3078 | 3087 | rBV  | 277903  | 522230  | 16.94%  | 1.544% |
| 94  | 22.019 | 3147 | 3154 | 3162 | rVB  | 1508484 | 2722259 | 88.33%  | 8.048% |
| 95  | 24.457 | 3565 | 3569 | 3570 | rBV3 | 52116   | 52080   | 1.69%   | 0.154% |
| 96  | 24.628 | 3597 | 3598 | 3599 | rBV  | 23251   | 12169   | 0.39%   | 0.036% |
| 97  | 25.333 | 3708 | 3718 | 3733 | rVB2 | 924872  | 2829158 | 91.80%  | 8.364% |
| 98  | 25.585 | 3744 | 3761 | 3773 | rBV3 | 916552  | 3082015 | 100.00% | 9.112% |
| 99  | 26.925 | 3987 | 3989 | 3990 | rBV2 | 16009   | 12112   | 0.39%   | 0.036% |
| 100 | 27.160 | 4027 | 4029 | 4031 | rBV3 | 18184   | 17671   | 0.57%   | 0.052% |

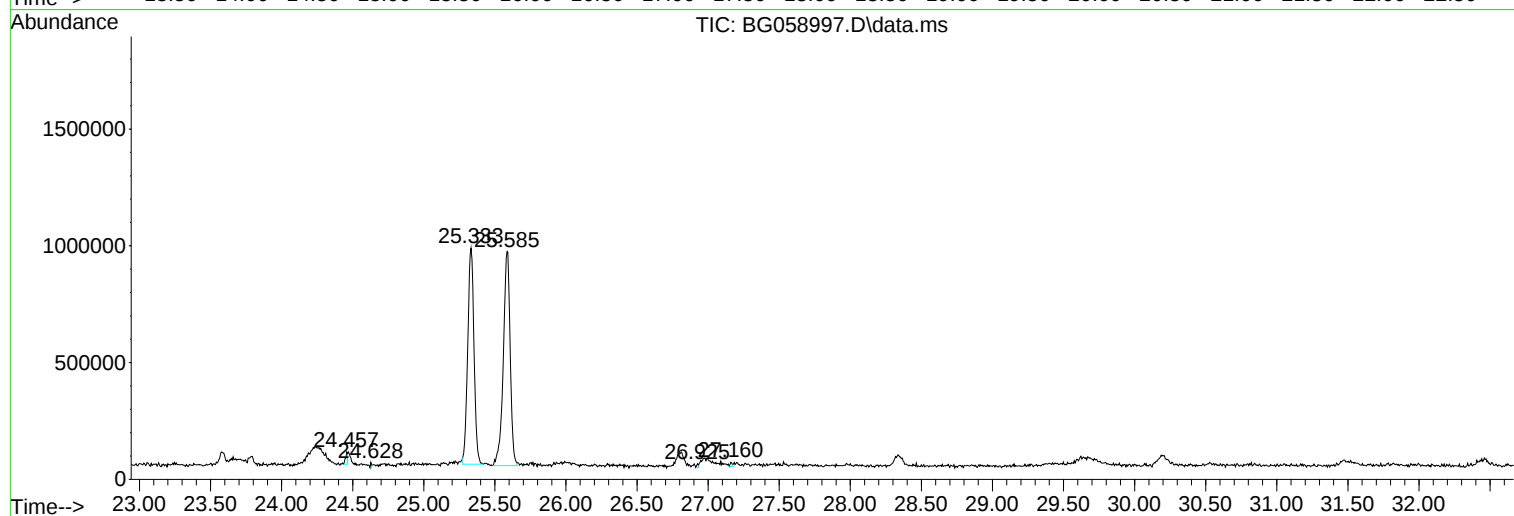
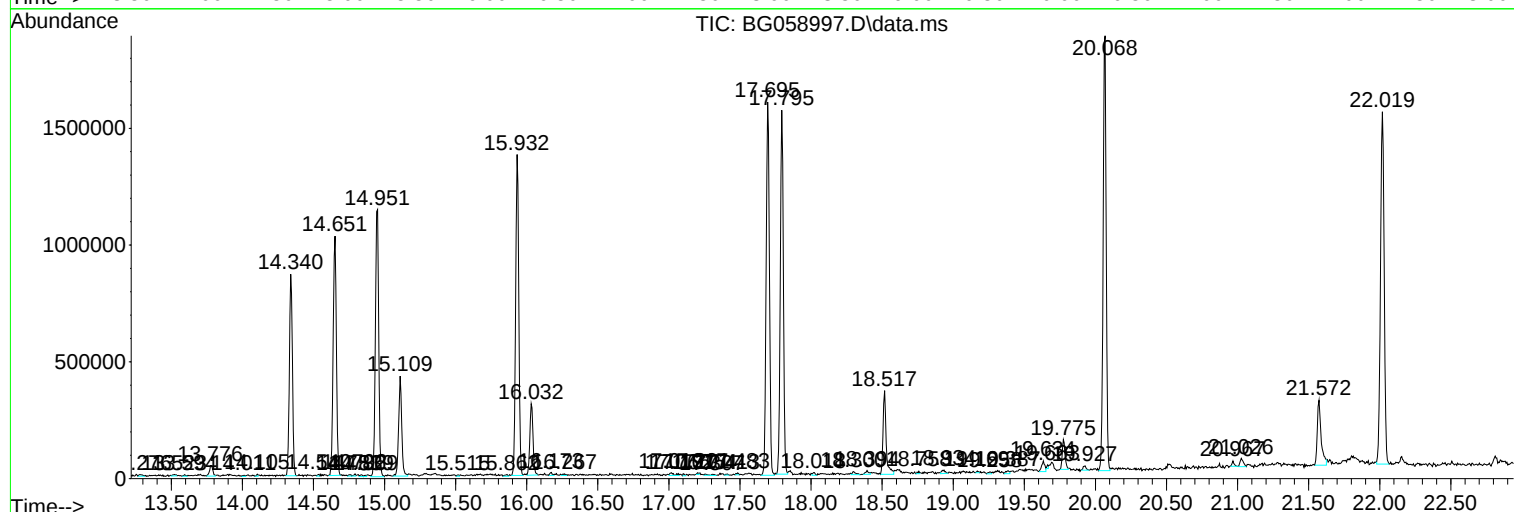
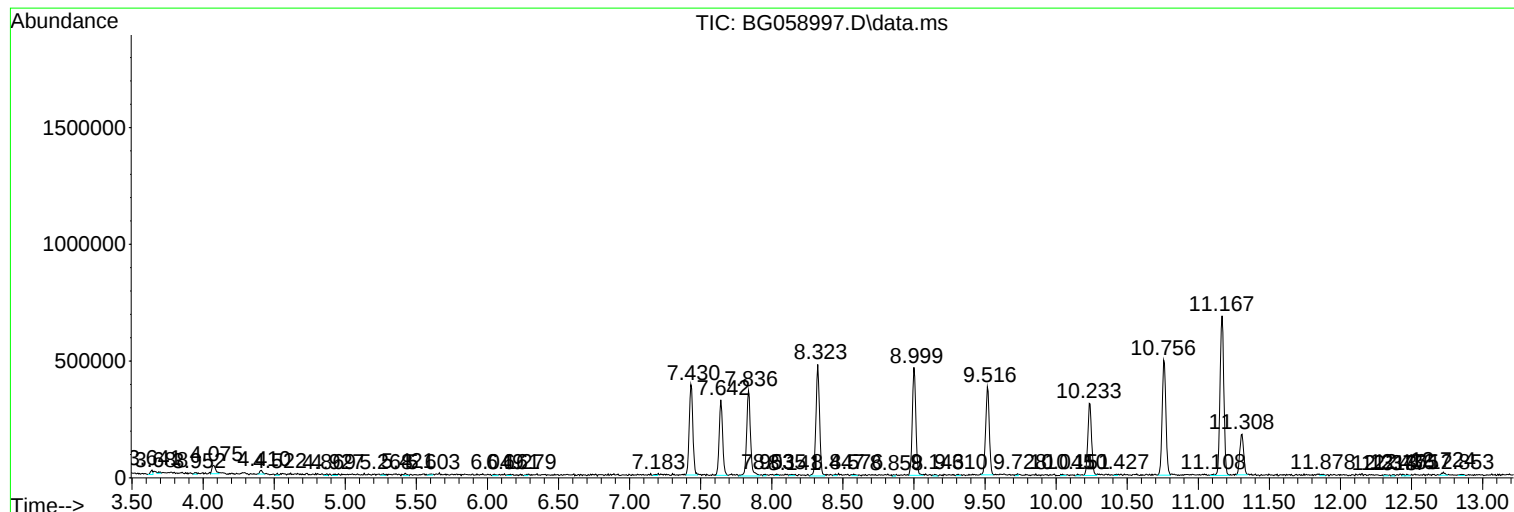
Sum of corrected areas: 33823939

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Instrument :  
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Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\SFAM-EPA-BG091023.MA.M  
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST20.L  
TIC Integration Parameters: LSCINT.P



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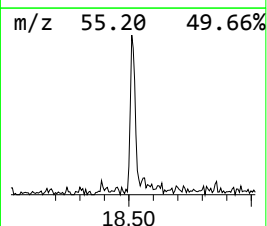
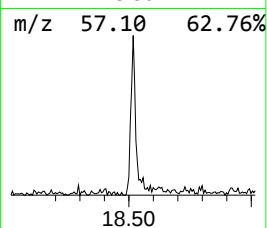
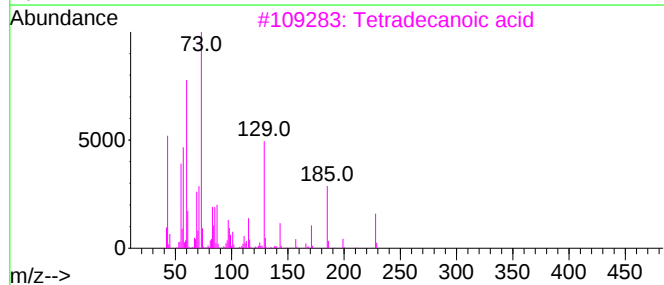
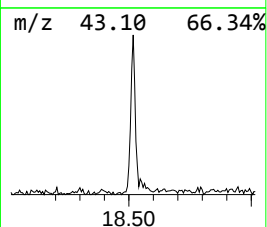
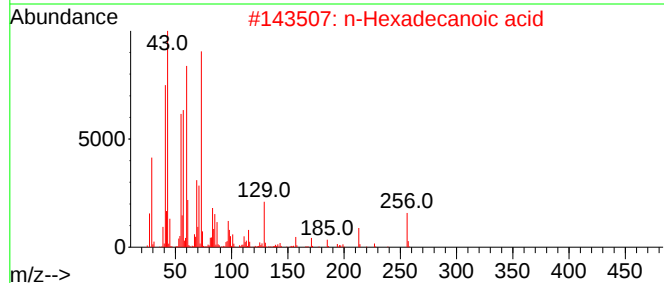
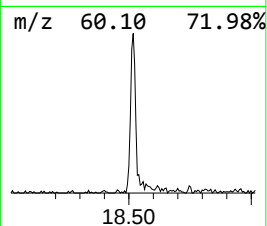
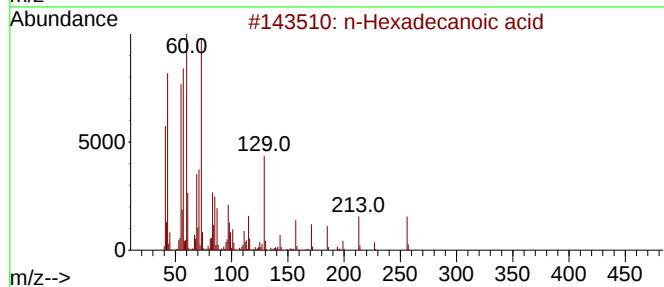
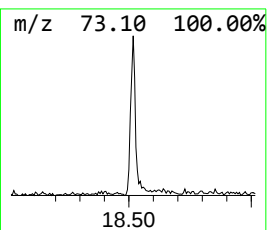
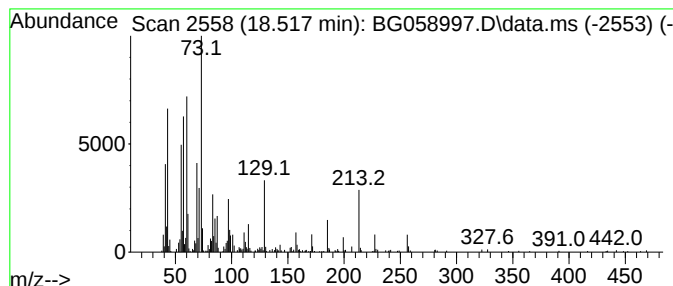
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\SFAM-EPA-BG091023.MA.M  
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST20.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 1 n-Hexadecanoic acid Concentration Rank 1

| R.T.   | EstConc    | Area   | Relative to ISTD | R.T.   |
|--------|------------|--------|------------------|--------|
| 18.517 | 4.25 ng/ul | 539801 | Phenanthrene-d10 | 17.695 |

| Hit# | of                  | 5   | Tentative ID | MW          | MolForm | CAS# | Qual |
|------|---------------------|-----|--------------|-------------|---------|------|------|
| 1    | n-Hexadecanoic acid | 256 | C16H32O2     | 000057-10-3 | 96      |      |      |
| 2    | n-Hexadecanoic acid | 256 | C16H32O2     | 000057-10-3 | 93      |      |      |
| 3    | Tetradecanoic acid  | 228 | C14H28O2     | 000544-63-8 | 86      |      |      |
| 4    | n-Hexadecanoic acid | 256 | C16H32O2     | 000057-10-3 | 70      |      |      |
| 5    | Pentadecanoic acid  | 242 | C15H30O2     | 001002-84-2 | 70      |      |      |



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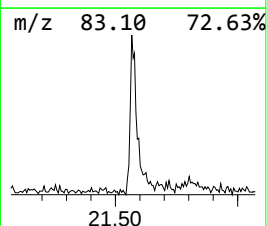
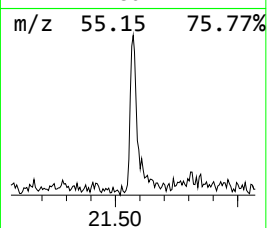
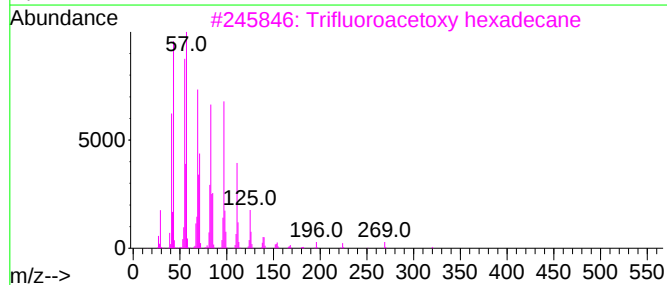
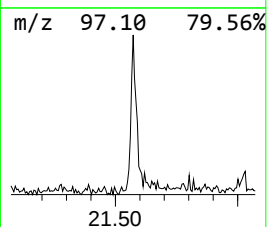
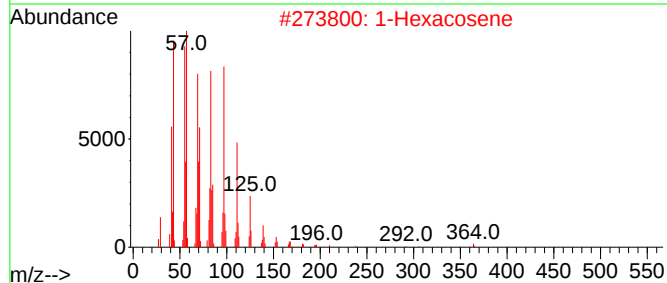
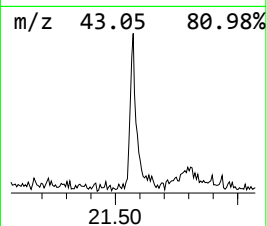
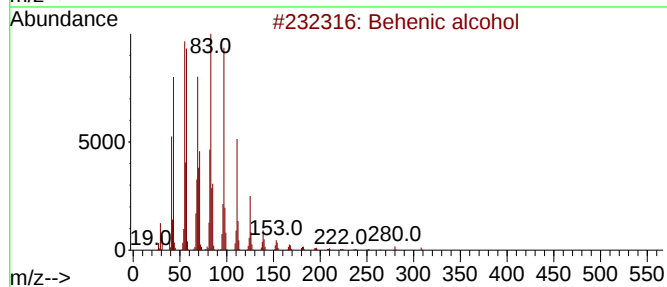
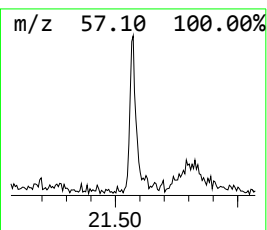
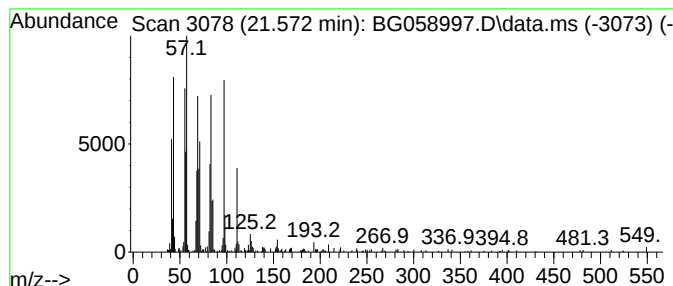
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\SFAM-EPA-BG091023.MA.M  
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST20.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 2 Behenic alcohol Concentration Rank 2

| R.T.   | EstConc    | Area   | Relative to ISTD | R.T.   |
|--------|------------|--------|------------------|--------|
| 21.573 | 3.84 ng/ul | 522230 | Chrysene-d12     | 22.019 |

| Hit# | of | 5 | Tentative ID                | MW  | MolForm    | CAS#        | Qual |
|------|----|---|-----------------------------|-----|------------|-------------|------|
| 1    |    |   | Behenic alcohol             | 326 | C22H46O    | 000661-19-8 | 87   |
| 2    |    |   | 1-Hexacosene                | 364 | C26H52     | 018835-33-1 | 87   |
| 3    |    |   | Trifluoroacetoxy hexadecane | 338 | C18H33F3O2 | 006222-03-3 | 87   |
| 4    |    |   | 1-Heneicosanol              | 312 | C21H44O    | 015594-90-8 | 86   |
| 5    |    |   | 1-Docosene                  | 308 | C22H44     | 001599-67-3 | 83   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG091023\  
Data File : BG058997.D  
Acq On : 12 Sep 2023 1:01  
Operator : MA/JU  
Sample : 04234-10  
Misc :  
ALS Vial : 97 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
YC1F6

Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\SFAM-EPA-BG091023.MA.M  
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST20.L  
TIC Integration Parameters: LSCINT.P

| TIC Top Hit name   | RT     | EstConc | Units | Response | --Internal Standard-- |        |         |      |
|--------------------|--------|---------|-------|----------|-----------------------|--------|---------|------|
|                    |        |         |       |          | #                     | RT     | Resp    | Conc |
| n-Hexadecanoic ... | 18.517 | 4.3     | ng/ul | 539801   | 4                     | 17.695 | 2540910 | 20.0 |
| Behenic alcohol    | 21.573 | 3.8     | ng/ul | 522230   | 5                     | 22.019 | 2722260 | 20.0 |