

Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG071323\  
 Data File : BG058203.D  
 Acq On : 13 Jul 2023 18:01  
 Operator : CG/JU  
 Sample : 03414-17  
 Misc :  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 A46E8

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-BG070123.MA.M  
 Title : SVOA CALIBRATION

Signal : TIC: BG058203.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         | 3.155       | 6             | 11          | 42           | rVB      | 3054478        | 6369337       | 100.00%         | 23.524%       |
| 2         | 4.095       | 167           | 171         | 176          | rVB      | 6679           | 9348          | 0.15%           | 0.035%        |
| 3         | 4.341       | 208           | 213         | 223          | rVB4     | 14737          | 26157         | 0.41%           | 0.097%        |
| 4         | 4.623       | 256           | 261         | 270          | rVB      | 19295          | 32390         | 0.51%           | 0.120%        |
| 5         | 5.364       | 382           | 387         | 391          | rBV4     | 11249          | 17844         | 0.28%           | 0.066%        |
| 6         | 5.546       | 413           | 418         | 428          | rBV2     | 12943          | 30463         | 0.48%           | 0.113%        |
| 7         | 5.804       | 452           | 462         | 476          | rBV3     | 95465          | 218859        | 3.44%           | 0.808%        |
| 8         | 5.916       | 476           | 481         | 485          | rBV5     | 5579           | 9857          | 0.15%           | 0.036%        |
| 9         | 6.180       | 519           | 526         | 535          | rVB      | 31234          | 53405         | 0.84%           | 0.197%        |
| 10        | 6.527       | 578           | 585         | 599          | rBV      | 222837         | 391657        | 6.15%           | 1.447%        |
| 11        | 7.068       | 669           | 677         | 693          | rBV      | 238880         | 440791        | 6.92%           | 1.628%        |
| 12        | 7.232       | 697           | 705         | 714          | rBV      | 192578         | 330765        | 5.19%           | 1.222%        |
| 13        | 7.438       | 733           | 740         | 750          | rBV      | 224639         | 423797        | 6.65%           | 1.565%        |
| 14        | 7.614       | 765           | 770         | 774          | rBV3     | 6916           | 12099         | 0.19%           | 0.045%        |
| 15        | 7.902       | 810           | 819         | 826          | rBV      | 155951         | 269677        | 4.23%           | 0.996%        |
| 16        | 7.973       | 826           | 831         | 837          | rVV      | 15239          | 25872         | 0.41%           | 0.096%        |
| 17        | 8.078       | 843           | 849         | 855          | rVV3     | 29728          | 55909         | 0.88%           | 0.206%        |
| 18        | 8.155       | 856           | 862         | 867          | rVV      | 45021          | 79419         | 1.25%           | 0.293%        |
| 19        | 8.219       | 867           | 873         | 885          | rVV      | 546506         | 963555        | 15.13%          | 3.559%        |
| 20        | 8.613       | 931           | 940         | 947          | rVV      | 280187         | 520364        | 8.17%           | 1.922%        |
| 21        | 8.660       | 947           | 948         | 954          | rVV2     | 18958          | 30215         | 0.47%           | 0.112%        |
| 22        | 8.725       | 954           | 959         | 969          | rVB2     | 30145          | 64515         | 1.01%           | 0.238%        |
| 23        | 8.895       | 979           | 988         | 996          | rBV2     | 28266          | 53672         | 0.84%           | 0.198%        |
| 24        | 9.007       | 1002          | 1007        | 1010         | rBV4     | 3718           | 6571          | 0.10%           | 0.024%        |
| 25        | 9.065       | 1010          | 1017        | 1025         | rVV      | 233534         | 428621        | 6.73%           | 1.583%        |
| 26        | 9.159       | 1029          | 1033        | 1034         | rVV3     | 7228           | 9613          | 0.15%           | 0.036%        |
| 27        | 9.195       | 1034          | 1039        | 1052         | rVB5     | 13275          | 31264         | 0.49%           | 0.115%        |
| 28        | 9.788       | 1133          | 1140        | 1151         | rVB      | 192644         | 351916        | 5.53%           | 1.300%        |
| 29        | 9.953       | 1164          | 1168        | 1181         | rBV6     | 4701           | 13592         | 0.21%           | 0.050%        |
| 30        | 10.094      | 1186          | 1192        | 1197         | rVV6     | 8826           | 16499         | 0.26%           | 0.061%        |
| 31        | 10.329      | 1223          | 1232        | 1246         | rBV      | 296733         | 586703        | 9.21%           | 2.167%        |
| 32        | 10.564      | 1263          | 1272        | 1276         | rVB6     | 3538           | 8580          | 0.13%           | 0.032%        |
| 33        | 10.705      | 1284          | 1296        | 1310         | rBV      | 244468         | 454746        | 7.14%           | 1.680%        |
| 34        | 10.840      | 1312          | 1319        | 1332         | rBV      | 200698         | 400107        | 6.28%           | 1.478%        |
| 35        | 11.416      | 1410          | 1417        | 1422         | rVB6     | 3962           | 10012         | 0.16%           | 0.037%        |
| 36        | 11.521      | 1429          | 1435        | 1441         | rVB7     | 5010           | 12910         | 0.20%           | 0.048%        |

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

Peak separation: 5

Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\SFAM-EPA-BG070123.MA.M  
 Title : SVOA CALIBRATION

|    |        |      |      |      |      |      |       |       |        |
|----|--------|------|------|------|------|------|-------|-------|--------|
| 37 | 12.220 | 1547 | 1554 | 1560 | rBV4 | 5345 | 9634  | 0.15% | 0.036% |
| 38 | 12.655 | 1624 | 1628 | 1637 | rBV2 | 9280 | 14340 | 0.23% | 0.053% |
| 39 | 12.755 | 1641 | 1645 | 1648 | rBV4 | 5378 | 8014  | 0.13% | 0.030% |
| 40 | 13.072 | 1693 | 1699 | 1703 | rBV4 | 5087 | 7141  | 0.11% | 0.026% |

|    |        |      |      |      |      |        |        |        |        |
|----|--------|------|------|------|------|--------|--------|--------|--------|
| 41 | 13.360 | 1739 | 1748 | 1753 | rBV3 | 7251   | 14502  | 0.23%  | 0.054% |
| 42 | 13.425 | 1755 | 1759 | 1766 | rVB3 | 8706   | 15478  | 0.24%  | 0.057% |
| 43 | 13.942 | 1840 | 1847 | 1855 | rBV  | 583326 | 861485 | 13.53% | 3.182% |
| 44 | 14.012 | 1855 | 1859 | 1864 | rVB  | 7367   | 11993  | 0.19%  | 0.044% |
| 45 | 14.177 | 1876 | 1887 | 1891 | rBV2 | 24485  | 50673  | 0.80%  | 0.187% |

|    |        |      |      |      |      |        |         |        |        |
|----|--------|------|------|------|------|--------|---------|--------|--------|
| 46 | 14.236 | 1891 | 1897 | 1909 | rVB  | 682988 | 1084076 | 17.02% | 4.004% |
| 47 | 14.541 | 1942 | 1949 | 1958 | rVB  | 433874 | 663749  | 10.42% | 2.451% |
| 48 | 14.659 | 1962 | 1969 | 1975 | rVB  | 49474  | 72174   | 1.13%  | 0.267% |
| 49 | 14.747 | 1977 | 1984 | 2003 | rBV  | 197784 | 423241  | 6.64%  | 1.563% |
| 50 | 14.888 | 2003 | 2008 | 2013 | rVB6 | 7897   | 13345   | 0.21%  | 0.049% |

|    |        |      |      |      |      |        |         |        |        |
|----|--------|------|------|------|------|--------|---------|--------|--------|
| 51 | 15.058 | 2030 | 2037 | 2040 | rVB7 | 3591   | 6719    | 0.11%  | 0.025% |
| 52 | 15.475 | 2104 | 2108 | 2111 | rBV4 | 5211   | 7696    | 0.12%  | 0.028% |
| 53 | 15.534 | 2111 | 2118 | 2127 | rVV  | 873571 | 1349509 | 21.19% | 4.984% |
| 54 | 15.652 | 2131 | 2138 | 2148 | rBV  | 273089 | 415052  | 6.52%  | 1.533% |
| 55 | 15.793 | 2155 | 2162 | 2168 | rVB  | 89257  | 140276  | 2.20%  | 0.518% |

|    |        |      |      |      |      |       |       |       |        |
|----|--------|------|------|------|------|-------|-------|-------|--------|
| 56 | 15.893 | 2173 | 2179 | 2183 | rBV5 | 5583  | 8810  | 0.14% | 0.033% |
| 57 | 16.069 | 2205 | 2209 | 2214 | rBV6 | 10651 | 21319 | 0.33% | 0.079% |
| 58 | 16.198 | 2225 | 2231 | 2234 | rBV5 | 4545  | 7567  | 0.12% | 0.028% |
| 59 | 16.263 | 2238 | 2242 | 2248 | rVB3 | 14539 | 19246 | 0.30% | 0.071% |
| 60 | 16.398 | 2260 | 2265 | 2271 | rVB2 | 13226 | 18429 | 0.29% | 0.068% |

|    |        |      |      |      |      |       |        |       |        |
|----|--------|------|------|------|------|-------|--------|-------|--------|
| 61 | 16.515 | 2280 | 2285 | 2291 | rVB  | 55115 | 79340  | 1.25% | 0.293% |
| 62 | 16.815 | 2331 | 2336 | 2343 | rBV3 | 21682 | 33023  | 0.52% | 0.122% |
| 63 | 16.974 | 2358 | 2363 | 2368 | rVV  | 95722 | 135619 | 2.13% | 0.501% |
| 64 | 17.079 | 2376 | 2381 | 2387 | rVB4 | 10349 | 18760  | 0.29% | 0.069% |
| 65 | 17.162 | 2391 | 2395 | 2397 | rBV3 | 8863  | 12285  | 0.19% | 0.045% |

|    |        |      |      |      |      |        |         |        |        |
|----|--------|------|------|------|------|--------|---------|--------|--------|
| 66 | 17.197 | 2397 | 2401 | 2407 | rVB2 | 23824  | 34068   | 0.53%  | 0.126% |
| 67 | 17.285 | 2409 | 2416 | 2426 | rBV  | 558252 | 878981  | 13.80% | 3.246% |
| 68 | 17.385 | 2426 | 2433 | 2442 | rVV2 | 927204 | 1454138 | 22.83% | 5.371% |
| 69 | 17.461 | 2442 | 2446 | 2451 | rVB3 | 15822  | 25108   | 0.39%  | 0.093% |
| 70 | 17.579 | 2463 | 2466 | 2471 | rVB5 | 5189   | 6911    | 0.11%  | 0.026% |

|    |        |      |      |      |      |       |       |       |        |
|----|--------|------|------|------|------|-------|-------|-------|--------|
| 71 | 17.738 | 2488 | 2493 | 2495 | rVV3 | 13558 | 18135 | 0.28% | 0.067% |
| 72 | 17.767 | 2495 | 2498 | 2502 | rVB6 | 6911  | 10235 | 0.16% | 0.038% |
| 73 | 17.873 | 2511 | 2516 | 2523 | rVV5 | 13696 | 23930 | 0.38% | 0.088% |
| 74 | 17.943 | 2523 | 2528 | 2532 | rVB3 | 23717 | 31209 | 0.49% | 0.115% |
| 75 | 18.166 | 2562 | 2566 | 2569 | rBV4 | 13584 | 19538 | 0.31% | 0.072% |

|    |        |      |      |      |      |       |       |       |        |
|----|--------|------|------|------|------|-------|-------|-------|--------|
| 76 | 18.349 | 2594 | 2597 | 2601 | rBV4 | 11456 | 13750 | 0.22% | 0.051% |
|----|--------|------|------|------|------|-------|-------|-------|--------|

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 Title : SVOA CALIBRATION

|    |        |      |      |      |      |         |         |        |        |
|----|--------|------|------|------|------|---------|---------|--------|--------|
| 77 | 18.413 | 2605 | 2608 | 2612 | rVB3 | 12444   | 14393   | 0.23%  | 0.053% |
| 78 | 18.454 | 2612 | 2615 | 2620 | rVB4 | 10107   | 13098   | 0.21%  | 0.048% |
| 79 | 18.719 | 2657 | 2660 | 2662 | rBV2 | 5895    | 7597    | 0.12%  | 0.028% |
| 80 | 18.907 | 2687 | 2692 | 2698 | rBV9 | 6379    | 14368   | 0.23%  | 0.053% |
| 81 | 18.971 | 2700 | 2703 | 2708 | rVB3 | 12251   | 16542   | 0.26%  | 0.061% |
| 82 | 19.030 | 2708 | 2713 | 2716 | rBV6 | 5621    | 8404    | 0.13%  | 0.031% |
| 83 | 19.112 | 2724 | 2727 | 2731 | rVB2 | 25975   | 29215   | 0.46%  | 0.108% |
| 84 | 19.242 | 2744 | 2749 | 2758 | rVB7 | 25903   | 50501   | 0.79%  | 0.187% |
| 85 | 19.676 | 2816 | 2823 | 2834 | rBV  | 1183104 | 1751272 | 27.50% | 6.468% |
| 86 | 19.894 | 2857 | 2860 | 2870 | rVB4 | 10537   | 22165   | 0.35%  | 0.082% |
| 87 | 20.699 | 2993 | 2997 | 2999 | rBV4 | 11181   | 14273   | 0.22%  | 0.053% |
| 88 | 20.910 | 3031 | 3033 | 3038 | rBV3 | 9517    | 13751   | 0.22%  | 0.051% |
| 89 | 20.993 | 3044 | 3047 | 3051 | rVB4 | 15913   | 20659   | 0.32%  | 0.076% |
| 90 | 21.139 | 3067 | 3072 | 3074 | rBV6 | 13020   | 26095   | 0.41%  | 0.096% |
| 91 | 21.357 | 3105 | 3109 | 3115 | rBV4 | 30401   | 50333   | 0.79%  | 0.186% |
| 92 | 21.421 | 3116 | 3120 | 3125 | rVB2 | 68907   | 97176   | 1.53%  | 0.359% |
| 93 | 21.539 | 3133 | 3140 | 3150 | rVB  | 535584  | 907105  | 14.24% | 3.350% |
| 94 | 22.309 | 3267 | 3271 | 3277 | rVB2 | 23086   | 36033   | 0.57%  | 0.133% |
| 95 | 22.961 | 3376 | 3382 | 3394 | rBV3 | 154142  | 334092  | 5.25%  | 1.234% |
| 96 | 23.760 | 3514 | 3518 | 3524 | rVB4 | 19077   | 35766   | 0.56%  | 0.132% |
| 97 | 24.465 | 3628 | 3638 | 3651 | rVB2 | 631534  | 1763212 | 27.68% | 6.512% |
| 98 | 24.682 | 3664 | 3675 | 3687 | rBV  | 373886  | 1049078 | 16.47% | 3.875% |

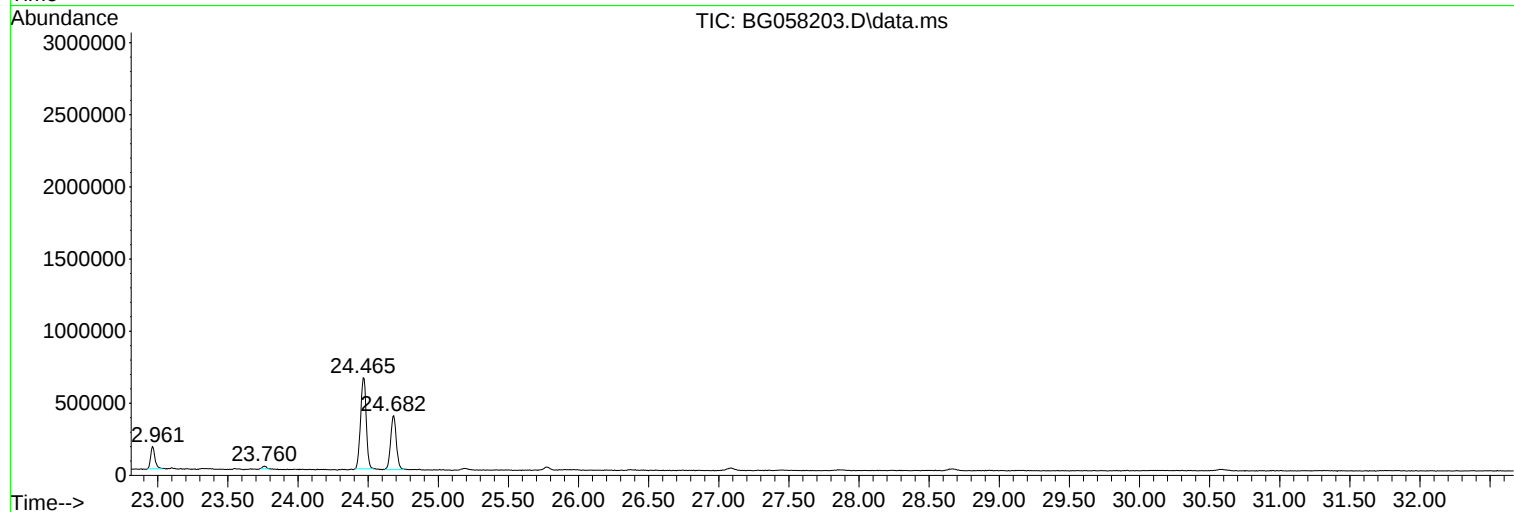
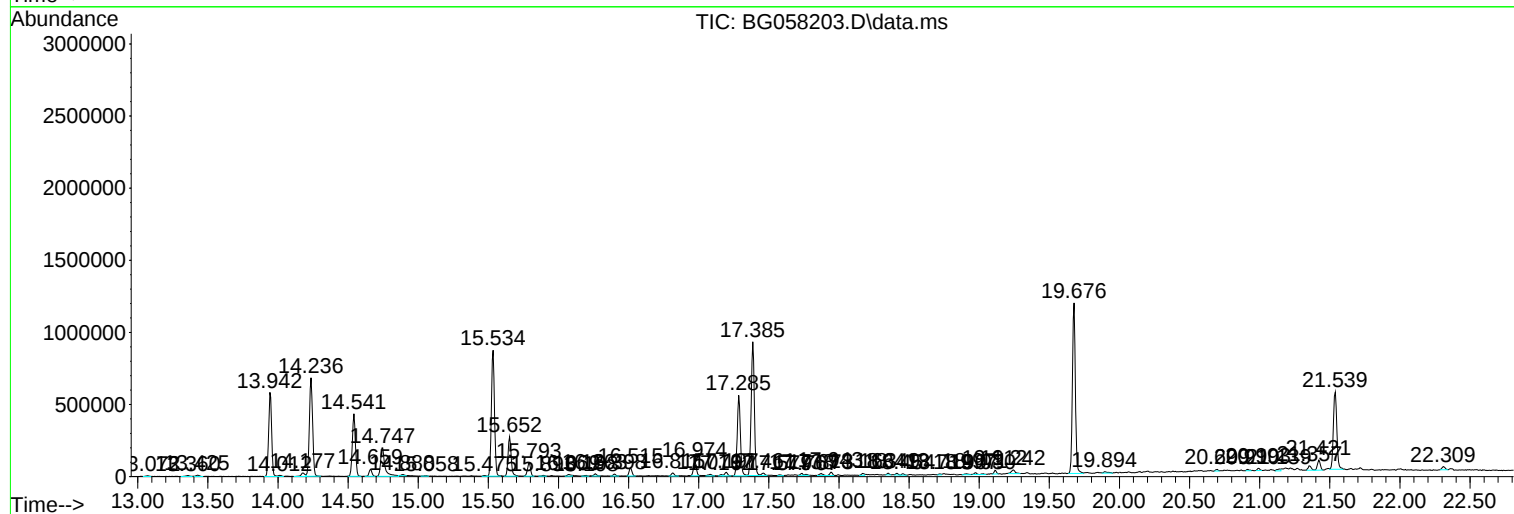
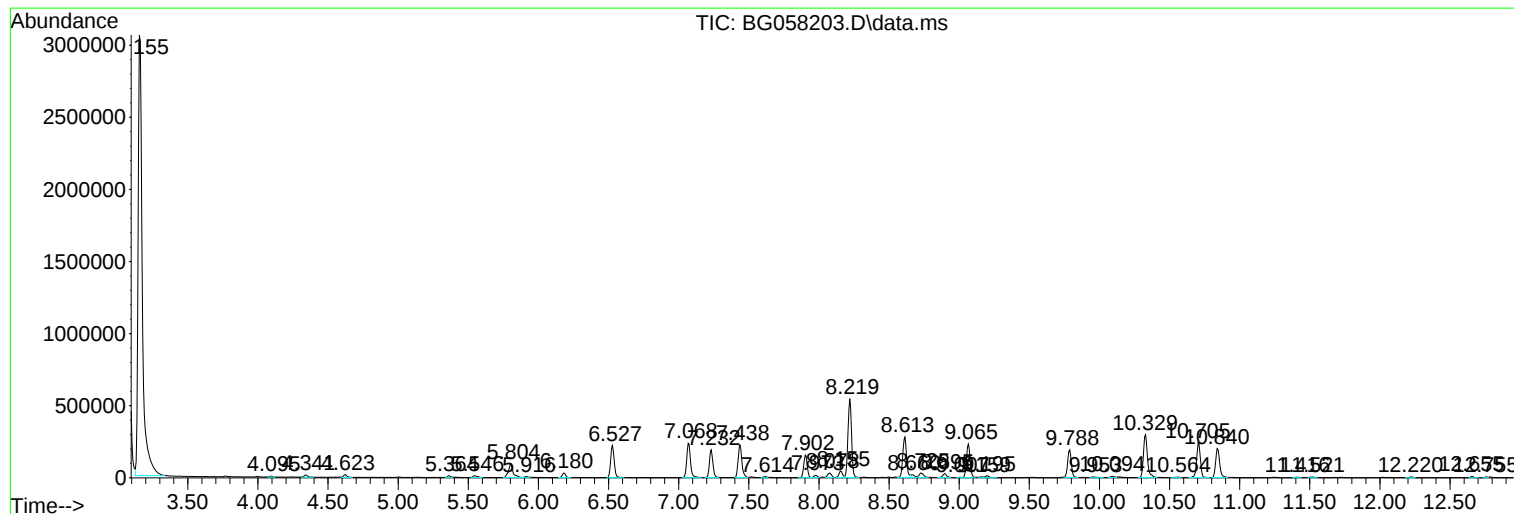
Sum of corrected areas: 27075727

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Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\SFAM-EPA-BG070123.MA.M  
Quant Title : SVOA CALIBRATION

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



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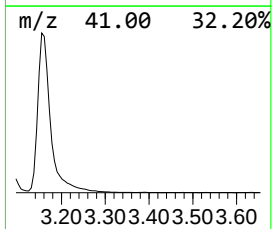
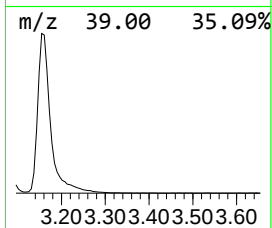
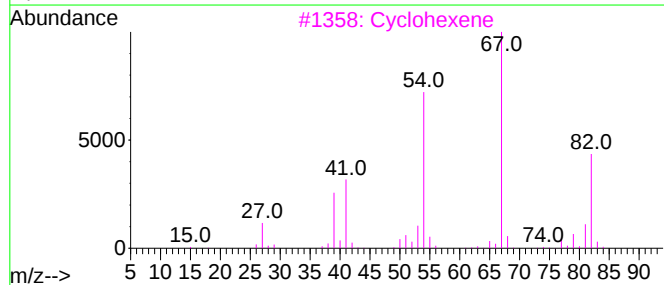
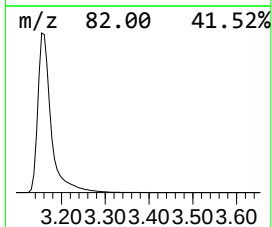
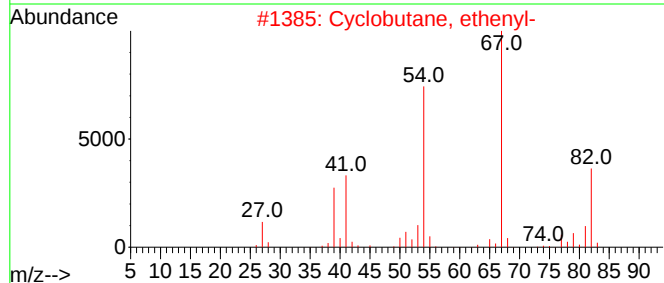
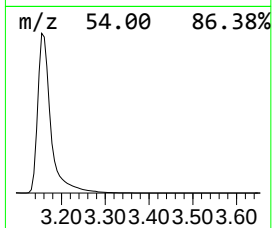
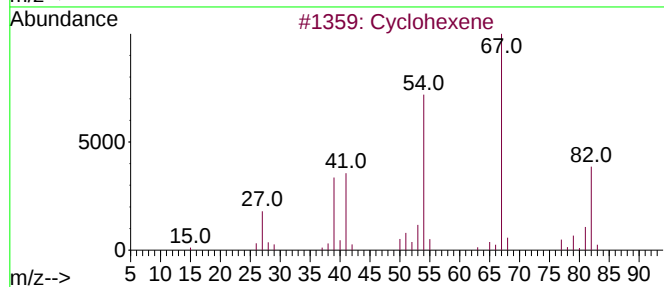
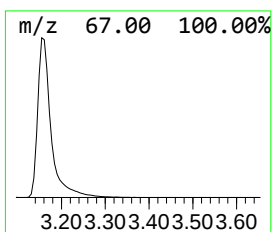
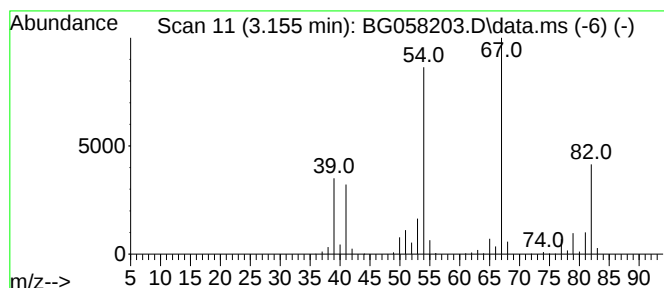
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\SFAM-EPA-BG070123.MA.M  
Quant Title : SVOA CALIBRATION

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

\*\*\*\*\*  
Peak Number 1 Cyclohexene Concentration Rank 1

| R.T.  | EstConc      | Area    | Relative to ISTD       | R.T.  |
|-------|--------------|---------|------------------------|-------|
| 3.155 | 472.37 ng/ul | 6369340 | 1,4-Dichlorobenzene-d4 | 7.902 |

| Hit# | of | 5 | Tentative ID          | MW | MolForm | CAS#        | Qual |
|------|----|---|-----------------------|----|---------|-------------|------|
| 1    |    |   | Cyclohexene           | 82 | C6H10   | 000110-83-8 | 95   |
| 2    |    |   | Cyclobutane, ethenyl- | 82 | C6H10   | 002597-49-1 | 94   |
| 3    |    |   | Cyclohexene           | 82 | C6H10   | 000110-83-8 | 91   |
| 4    |    |   | Cyclohexene           | 82 | C6H10   | 000110-83-8 | 91   |
| 5    |    |   | Ethylidenecyclobutane | 82 | C6H10   | 001528-21-8 | 91   |



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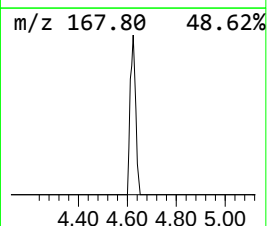
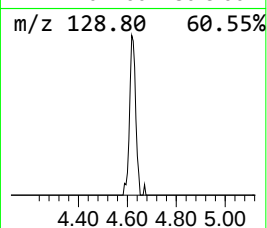
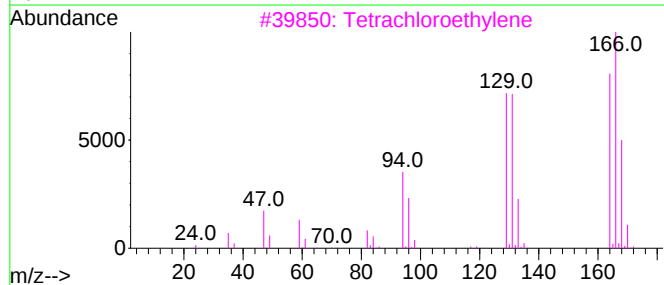
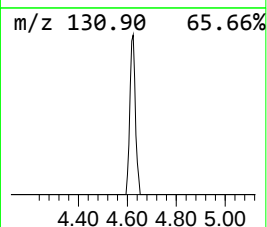
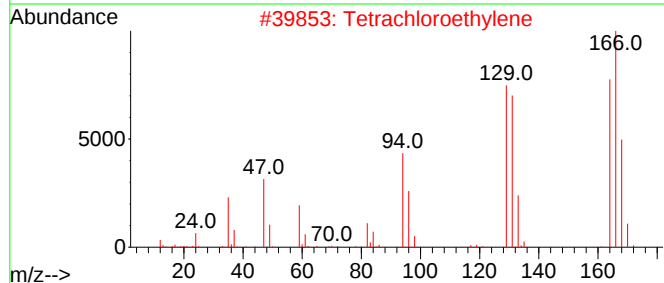
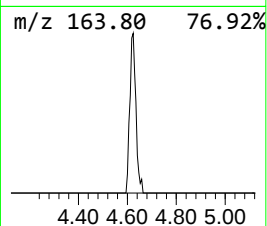
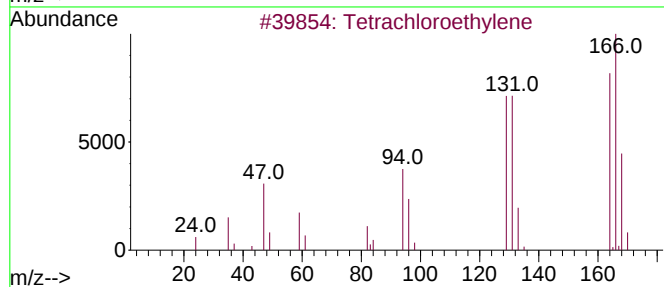
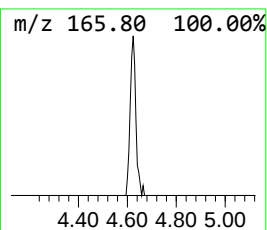
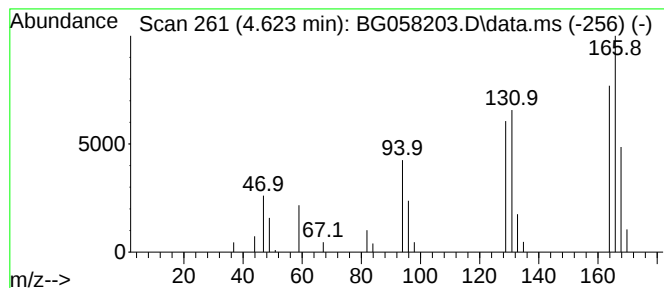
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Quant Title : SVOA CALIBRATION

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

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Peak Number 2 Tetrachloroethylene Concentration Rank 12

| R.T.  | EstConc    | Area  | Relative to ISTD       | R.T.  |
|-------|------------|-------|------------------------|-------|
| 4.623 | 2.40 ng/ul | 32390 | 1,4-Dichlorobenzene-d4 | 7.902 |

| Hit# | of | 5 | Tentative ID                       | MW  | MolForm   | CAS#        | Qual |
|------|----|---|------------------------------------|-----|-----------|-------------|------|
| 1    |    |   | Tetrachloroethylene                | 164 | C2Cl4     | 000127-18-4 | 98   |
| 2    |    |   | Tetrachloroethylene                | 164 | C2Cl4     | 000127-18-4 | 98   |
| 3    |    |   | Tetrachloroethylene                | 164 | C2Cl4     | 000127-18-4 | 97   |
| 4    |    |   | Tetrachloroethylene                | 164 | C2Cl4     | 000127-18-4 | 97   |
| 5    |    |   | Pyrimidine, 5-fluoro-2,4-dichloro- | 166 | C4HC12FN2 | 002927-71-1 | 38   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG071323\  
Data File : BG058203.D  
Acq On : 13 Jul 2023 18:01  
Operator : CG/JU  
Sample : 03414-17  
Misc :  
ALS Vial : 10 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
A46E8

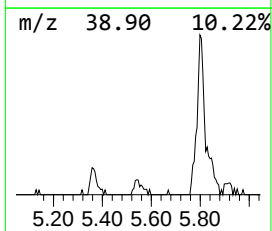
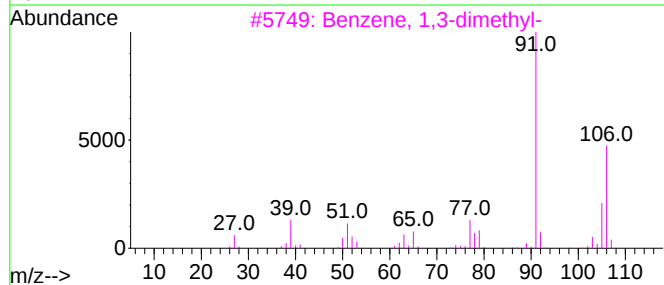
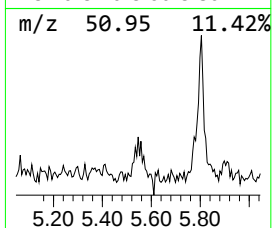
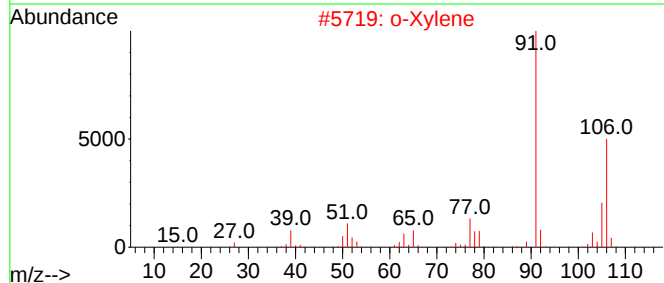
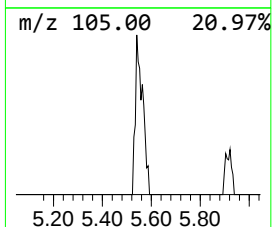
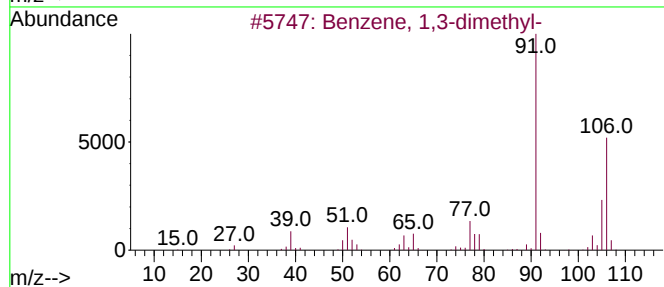
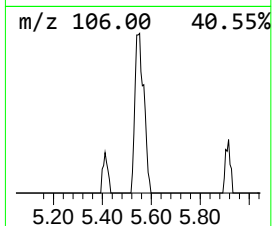
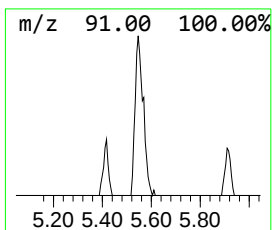
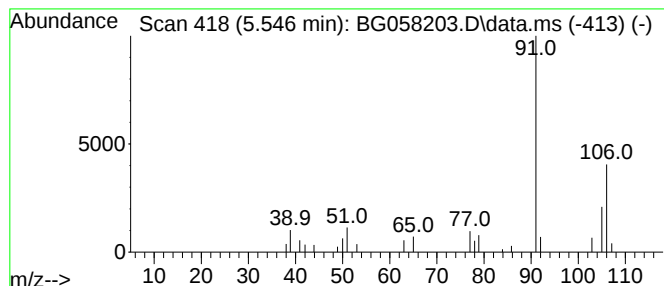
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Quant Title : SVOA CALIBRATION

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

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Peak Number 3 Benzene, 1,3-dimethyl- Concentration Rank 14

| R.T.  | EstConc    | Area  | Relative to ISTD       | R.T.  |
|-------|------------|-------|------------------------|-------|
| 5.546 | 2.26 ng/ul | 30463 | 1,4-Dichlorobenzene-d4 | 7.902 |

| Hit# | of | 5 | Tentative ID           | MW  | MolForm | CAS#        | Qual |
|------|----|---|------------------------|-----|---------|-------------|------|
| 1    |    |   | Benzene, 1,3-dimethyl- | 106 | C8H10   | 000108-38-3 | 91   |
| 2    |    |   | o-Xylene               | 106 | C8H10   | 000095-47-6 | 91   |
| 3    |    |   | Benzene, 1,3-dimethyl- | 106 | C8H10   | 000108-38-3 | 91   |
| 4    |    |   | p-Xylene               | 106 | C8H10   | 000106-42-3 | 91   |
| 5    |    |   | p-Xylene               | 106 | C8H10   | 000106-42-3 | 91   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG071323\  
Data File : BG058203.D  
Acq On : 13 Jul 2023 18:01  
Operator : CG/JU  
Sample : 03414-17  
Misc :  
ALS Vial : 10 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
A46E8

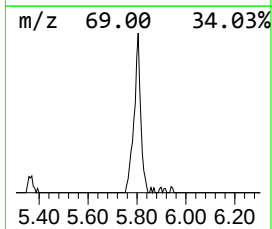
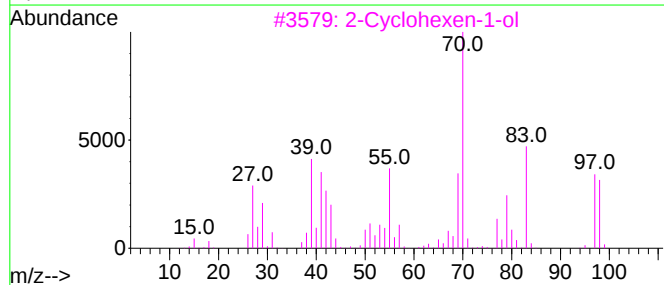
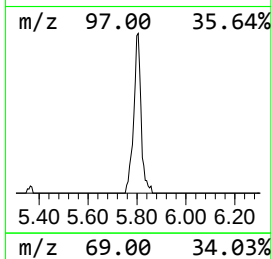
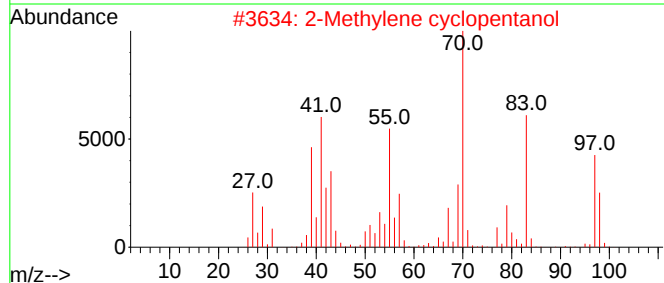
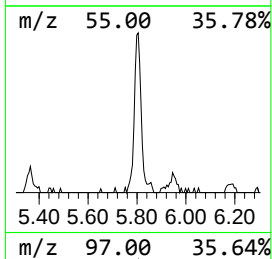
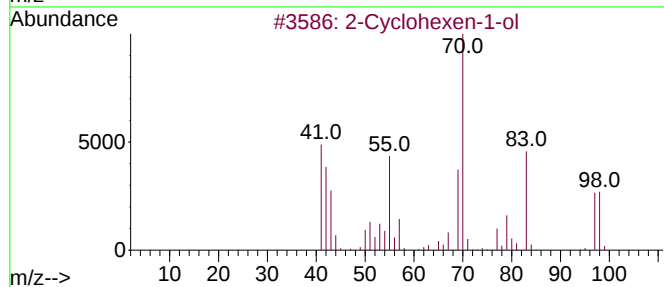
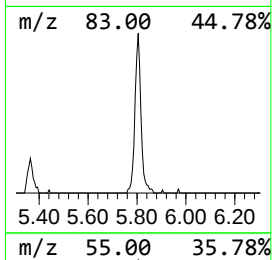
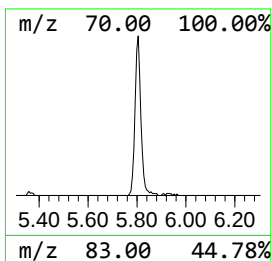
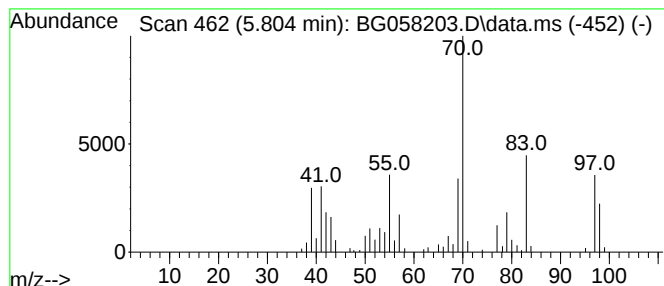
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Quant Title : SVOA CALIBRATION

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

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Peak Number 4 2-Cyclohexen-1-ol Concentration Rank 4

| R.T.  | EstConc     | Area   | Relative to ISTD       | R.T.  |
|-------|-------------|--------|------------------------|-------|
| 5.804 | 16.23 ng/ul | 218859 | 1,4-Dichlorobenzene-d4 | 7.902 |

| Hit# | of                        | 5 | Tentative ID | MW | MolForm | CAS#        | Qual |
|------|---------------------------|---|--------------|----|---------|-------------|------|
| 1    | 2-Cyclohexen-1-ol         |   |              | 98 | C6H10O  | 000822-67-3 | 93   |
| 2    | 2-Methylene cyclopentanol |   |              | 98 | C6H10O  | 020461-31-8 | 86   |
| 3    | 2-Cyclohexen-1-ol         |   |              | 98 | C6H10O  | 000822-67-3 | 76   |
| 4    | 2-Cyclohexen-1-ol         |   |              | 98 | C6H10O  | 000822-67-3 | 74   |
| 5    | 2-Cyclohexen-1-ol         |   |              | 98 | C6H10O  | 000822-67-3 | 53   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG071323\  
Data File : BG058203.D  
Acq On : 13 Jul 2023 18:01  
Operator : CG/JU  
Sample : 03414-17  
Misc :  
ALS Vial : 10 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
A46E8

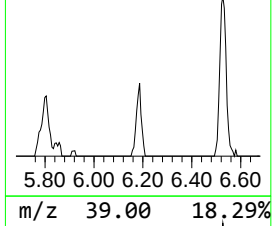
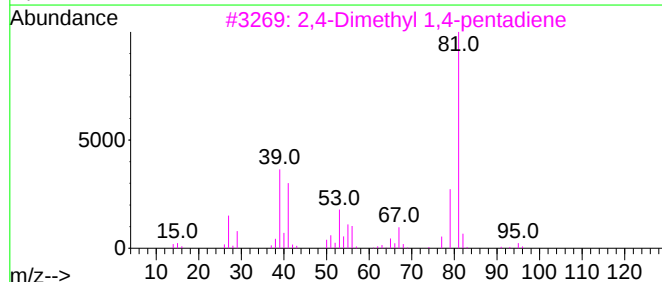
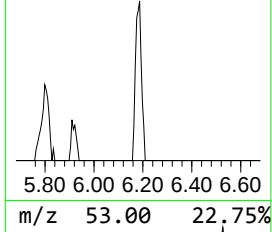
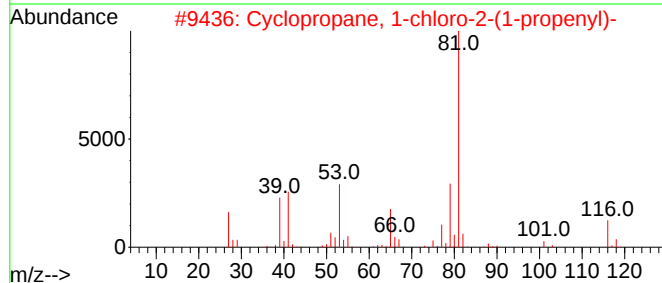
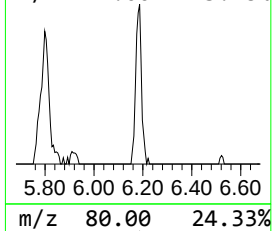
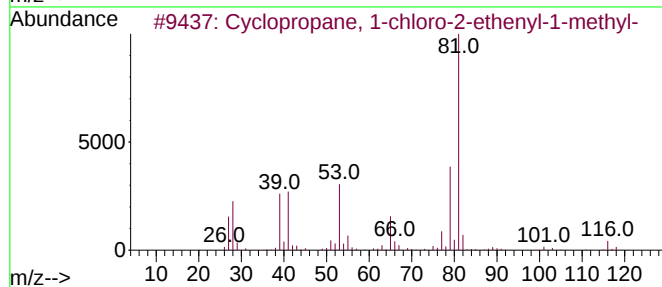
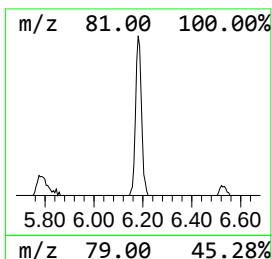
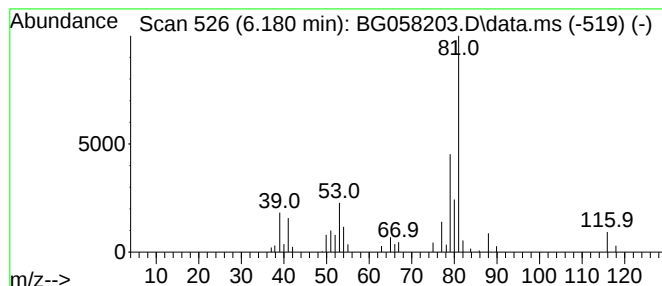
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Quant Title : SVOA CALIBRATION

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

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Peak Number 5 Cyclopropane, 1-chloro-2-et... Concentration Rank 10

| R.T.  | EstConc    | Area  | Relative to ISTD       | R.T.  |
|-------|------------|-------|------------------------|-------|
| 6.180 | 3.96 ng/ul | 53405 | 1,4-Dichlorobenzene-d4 | 7.902 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm | CAS#        | Qual |
|------|----|---|-------------------------------------|-----|---------|-------------|------|
| 1    |    |   | Cyclopropane, 1-chloro-2-ethenyl... | 116 | C6H9Cl  | 062337-93-3 | 64   |
| 2    |    |   | Cyclopropane, 1-chloro-2-(1-prop... | 116 | C6H9Cl  | 074752-94-6 | 58   |
| 3    |    |   | 2,4-Dimethyl 1,4-pentadiene         | 96  | C7H12   | 004161-65-3 | 53   |
| 4    |    |   | 1,4-Hexadiene, 4-methyl-            | 96  | C7H12   | 001116-90-1 | 50   |
| 5    |    |   | Cyclohexene, 3-bromo-               | 160 | C6H9Br  | 001521-51-3 | 50   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG071323\  
Data File : BG058203.D  
Acq On : 13 Jul 2023 18:01  
Operator : CG/JU  
Sample : 03414-17  
Misc :  
ALS Vial : 10 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
A46E8

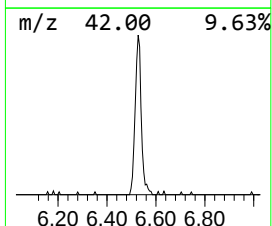
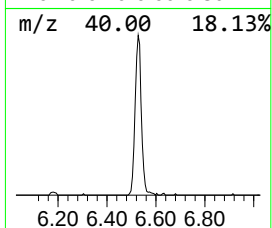
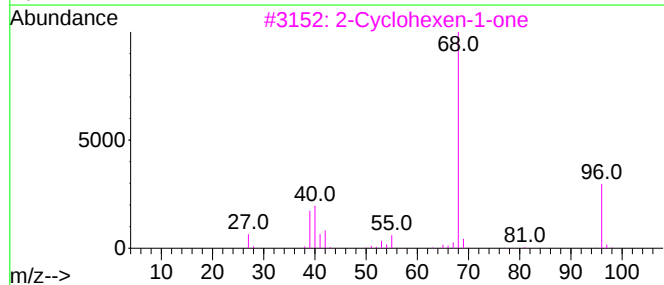
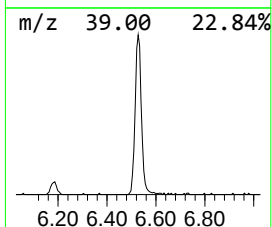
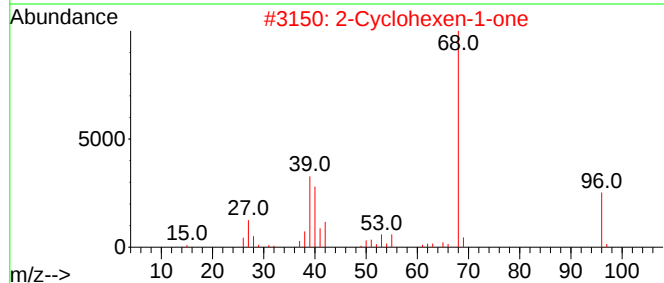
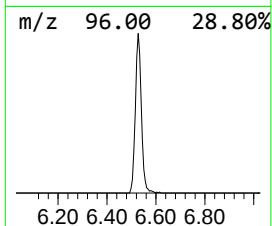
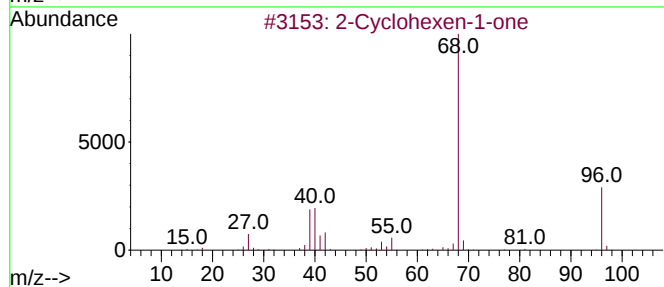
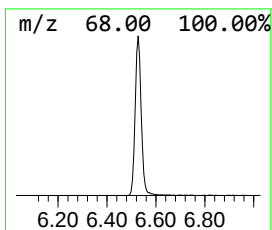
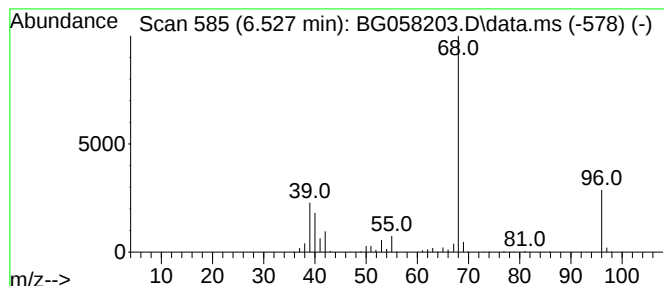
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Quant Title : SVOA CALIBRATION

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

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Peak Number 6 2-Cyclohexen-1-one Concentration Rank 3

| R.T.  | EstConc     | Area   | Relative to ISTD       | R.T.  |
|-------|-------------|--------|------------------------|-------|
| 6.527 | 29.05 ng/ul | 391657 | 1,4-Dichlorobenzene-d4 | 7.902 |

| Hit# | of                                 | 5 | Tentative ID | MW  | MolForm | CAS#        | Qual |
|------|------------------------------------|---|--------------|-----|---------|-------------|------|
| 1    | 2-Cyclohexen-1-one                 |   |              | 96  | C6H8O   | 000930-68-7 | 91   |
| 2    | 2-Cyclohexen-1-one                 |   |              | 96  | C6H8O   | 000930-68-7 | 91   |
| 3    | 2-Cyclohexen-1-one                 |   |              | 96  | C6H8O   | 000930-68-7 | 91   |
| 4    | 2-Cyclohexen-1-one                 |   |              | 96  | C6H8O   | 000930-68-7 | 91   |
| 5    | 7-Oxabicyclo[2.2.1]hept-5-en-2-one |   |              | 110 | C6H6O2  | 095530-78-2 | 12   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG071323\  
Data File : BG058203.D  
Acq On : 13 Jul 2023 18:01  
Operator : CG/JU  
Sample : 03414-17  
Misc :  
ALS Vial : 10 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
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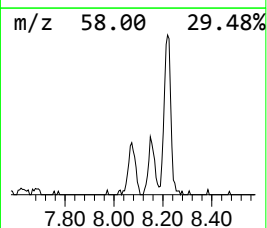
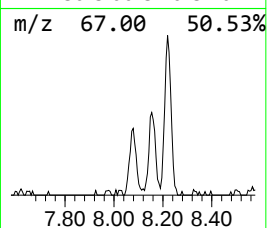
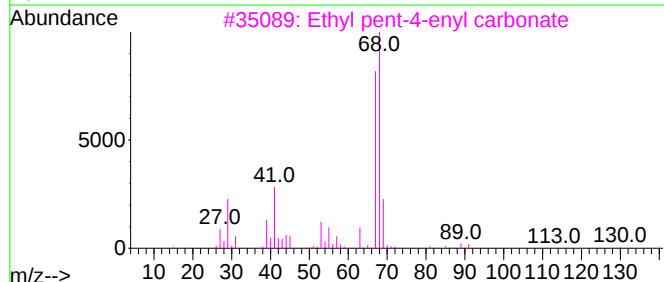
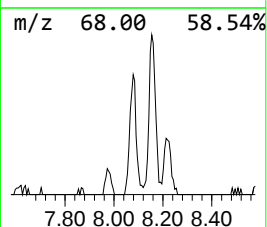
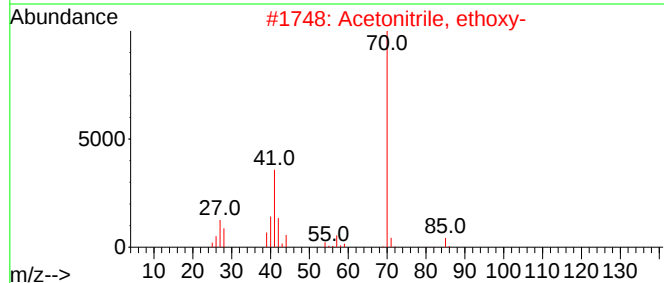
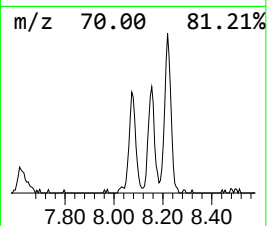
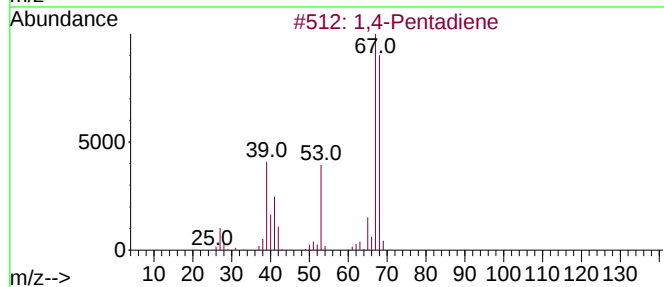
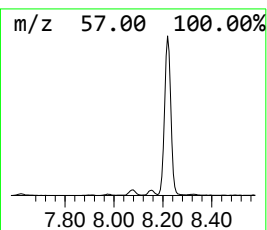
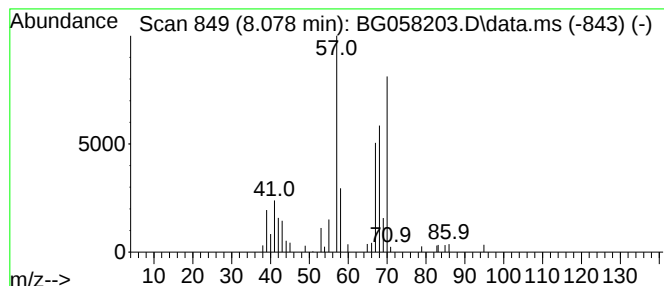
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Quant Title : SVOA CALIBRATION

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

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Peak Number 7 unknown-01 Concentration Rank 8

| R.T.  | EstConc    | Area  | Relative to ISTD       | R.T.  |
|-------|------------|-------|------------------------|-------|
| 8.078 | 4.15 ng/ul | 55909 | 1,4-Dichlorobenzene-d4 | 7.902 |

| Hit# | of | 5 | Tentative ID                | MW  | MolForm | CAS#         | Qual |
|------|----|---|-----------------------------|-----|---------|--------------|------|
| 1    |    |   | 1,4-Pentadiene              | 68  | C5H8    | 000591-93-5  | 27   |
| 2    |    |   | Acetonitrile, ethoxy-       | 85  | C4H7NO  | 062957-60-2  | 22   |
| 3    |    |   | Ethyl pent-4-enyl carbonate | 158 | C8H14O3 | 1000373-78-4 | 16   |
| 4    |    |   | CH3C(O)O(CH2)3CH=CH2        | 128 | C7H12O2 | 001576-85-8  | 12   |
| 5    |    |   | 1,2-Pentadiene              | 68  | C5H8    | 000591-95-7  | 10   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG071323\  
Data File : BG058203.D  
Acq On : 13 Jul 2023 18:01  
Operator : CG/JU  
Sample : 03414-17  
Misc :  
ALS Vial : 10 Sample Multiplier: 1

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BNA\_G  
ClientSampleId :  
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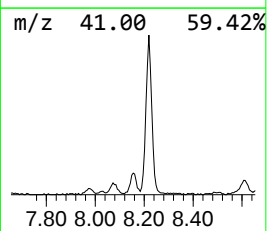
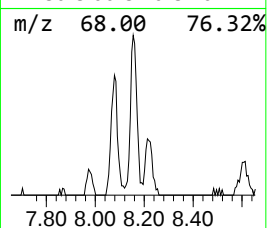
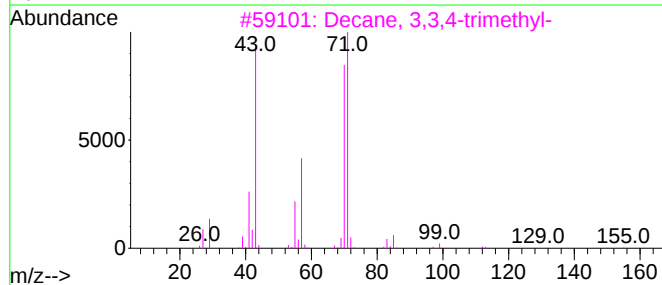
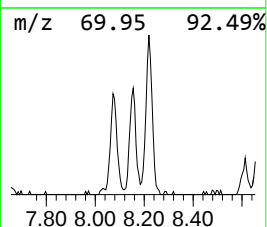
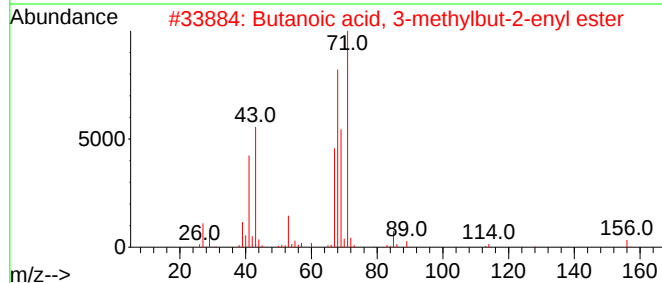
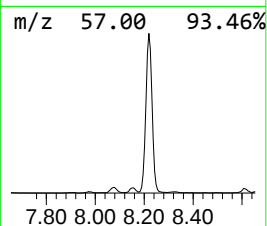
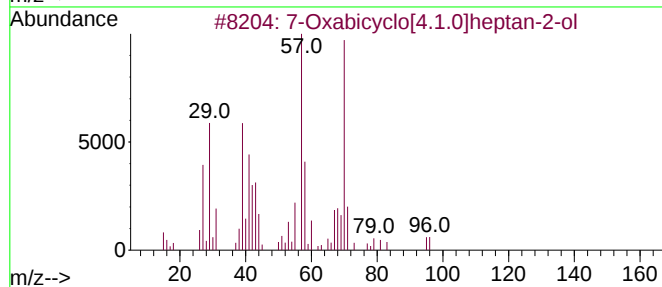
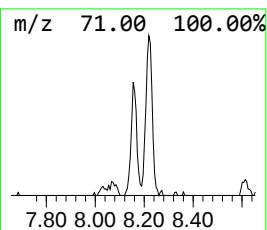
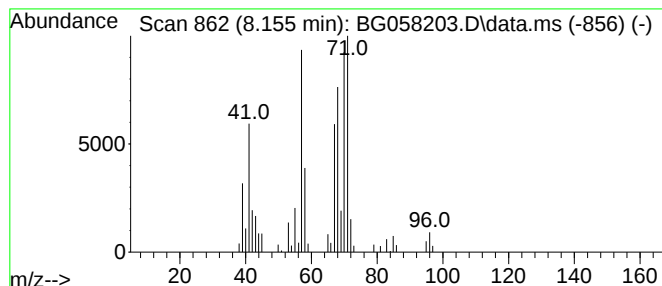
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Quant Title : SVOA CALIBRATION

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

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Peak Number 8 unknown-02 Concentration Rank 6

| R.T.  | EstConc    | Area  | Relative to ISTD       | R.T.  |
|-------|------------|-------|------------------------|-------|
| 8.155 | 5.89 ng/ul | 79419 | 1,4-Dichlorobenzene-d4 | 7.902 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm | CAS#         | Qual |
|------|----|---|-------------------------------------|-----|---------|--------------|------|
| 1    |    |   | 7-Oxabicyclo[4.1.0]heptan-2-ol      | 114 | C6H10O2 | 001192-78-5  | 43   |
| 2    |    |   | Butanoic acid, 3-methylbut-2-eny... | 156 | C9H16O2 | 1000299-11-8 | 25   |
| 3    |    |   | Decane, 3,3,4-trimethyl-            | 184 | C13H28  | 049622-18-6  | 17   |
| 4    |    |   | Bicyclo[3.1.0]hexan-3-one           | 96  | C6H8O   | 001755-04-0  | 14   |
| 5    |    |   | Hexanal, 4-methyl-                  | 114 | C7H14O  | 041065-97-8  | 12   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG071323\  
Data File : BG058203.D  
Acq On : 13 Jul 2023 18:01  
Operator : CG/JU  
Sample : 03414-17  
Misc :  
ALS Vial : 10 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
A46E8

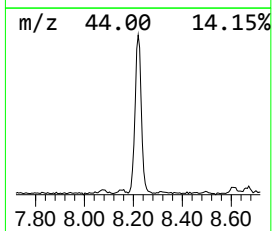
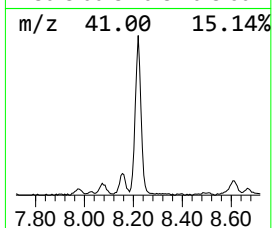
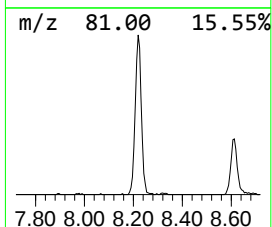
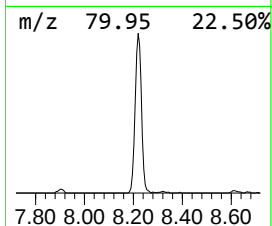
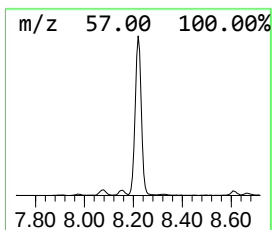
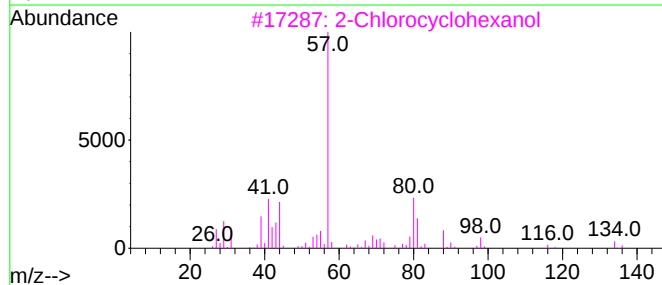
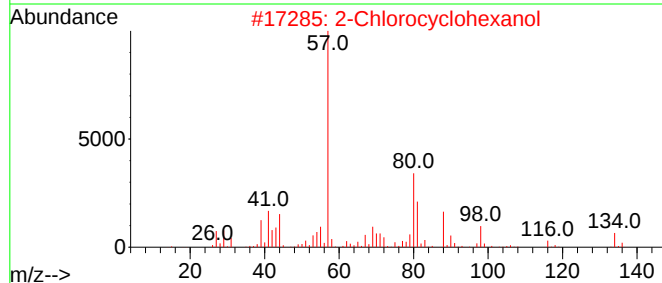
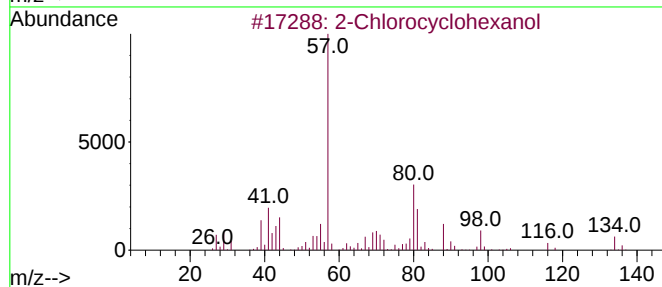
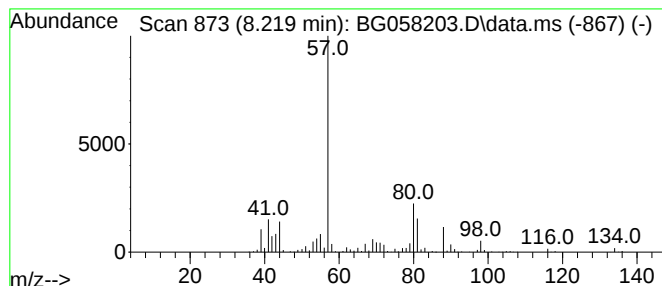
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Quant Title : SVOA CALIBRATION

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

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Peak Number 9 2-Chlorocyclohexanol Concentration Rank 2

| R.T.  | EstConc     | Area   | Relative to ISTD       | R.T.  |
|-------|-------------|--------|------------------------|-------|
| 8.219 | 71.46 ng/ul | 963555 | 1,4-Dichlorobenzene-d4 | 7.902 |

| Hit# | of | 5 | Tentative ID         | MW  | MolForm  | CAS#        | Qual |
|------|----|---|----------------------|-----|----------|-------------|------|
| 1    |    |   | 2-Chlorocyclohexanol | 134 | C6H11ClO | 001561-86-0 | 94   |
| 2    |    |   | 2-Chlorocyclohexanol | 134 | C6H11ClO | 001561-86-0 | 87   |
| 3    |    |   | 2-Chlorocyclohexanol | 134 | C6H11ClO | 001561-86-0 | 83   |
| 4    |    |   | 2-Chlorocyclohexanol | 134 | C6H11ClO | 001561-86-0 | 59   |
| 5    |    |   | 2-Chlorocyclohexanol | 134 | C6H11ClO | 001561-86-0 | 50   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG071323\  
Data File : BG058203.D  
Acq On : 13 Jul 2023 18:01  
Operator : CG/JU  
Sample : 03414-17  
Misc :  
ALS Vial : 10 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
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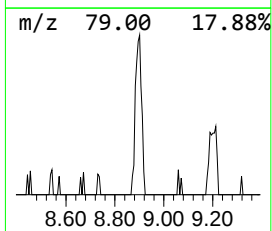
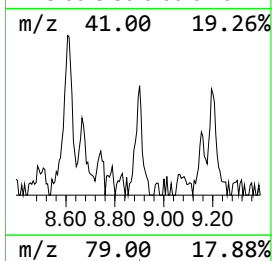
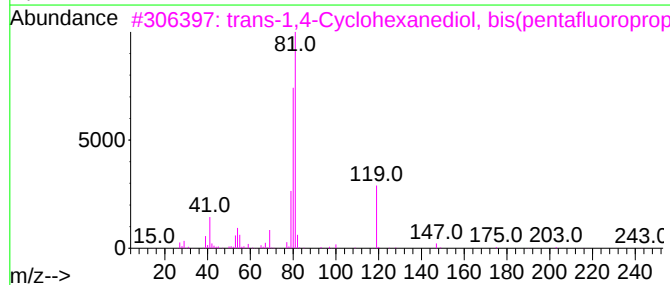
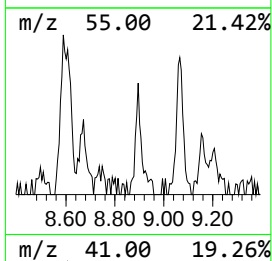
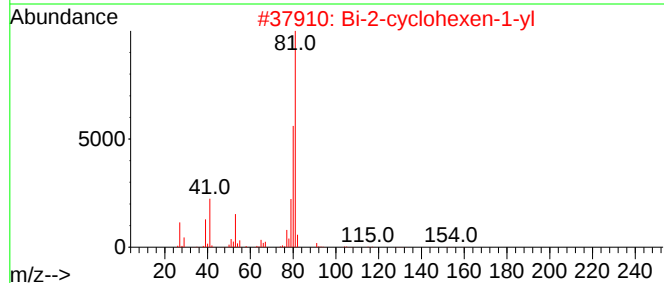
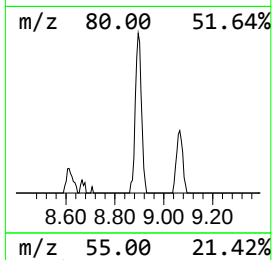
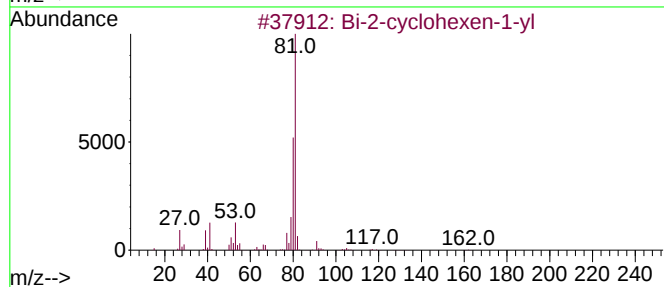
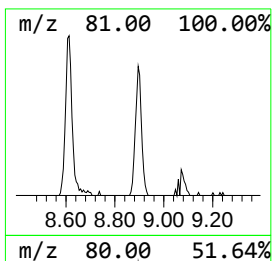
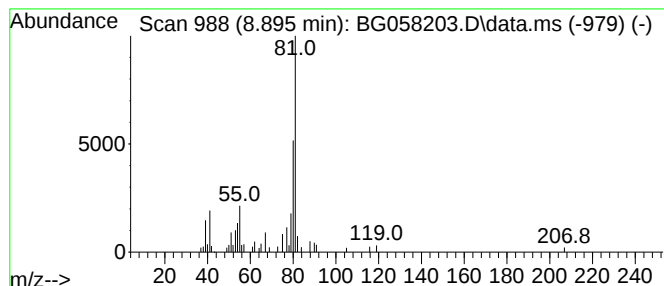
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Quant Title : SVOA CALIBRATION

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

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Peak Number 10 Bi-2-cyclohexen-1-yl Concentration Rank 9

| R.T.  | EstConc    | Area  | Relative to ISTD       | R.T.  |
|-------|------------|-------|------------------------|-------|
| 8.895 | 3.98 ng/ul | 53672 | 1,4-Dichlorobenzene-d4 | 7.902 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm     | CAS#         | Qual |
|------|----|---|-------------------------------------|-----|-------------|--------------|------|
| 1    |    |   | Bi-2-cyclohexen-1-yl                | 162 | C12H18      | 001541-20-4  | 64   |
| 2    |    |   | Bi-2-cyclohexen-1-yl                | 162 | C12H18      | 001541-20-4  | 64   |
| 3    |    |   | trans-1,4-Cyclohexanediol, bis(p... | 408 | C12H10F10O4 | 1000384-30-6 | 64   |
| 4    |    |   | Cyclohexane, 1,4-dichloro-          | 152 | C6H10Cl2    | 019398-57-3  | 59   |
| 5    |    |   | 1H-Pyrrole, 1-methyl-               | 81  | C5H7N       | 000096-54-8  | 58   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG071323\  
Data File : BG058203.D  
Acq On : 13 Jul 2023 18:01  
Operator : CG/JU  
Sample : 03414-17  
Misc :  
ALS Vial : 10 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
A46E8

Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\SFAM-EPA-BG070123.MA.M  
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST20.L  
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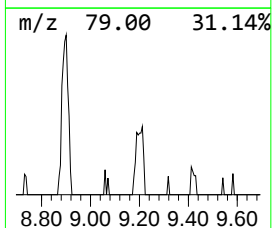
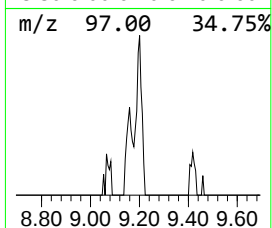
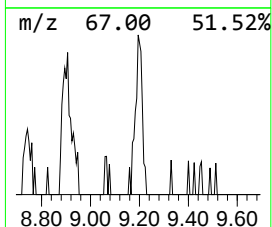
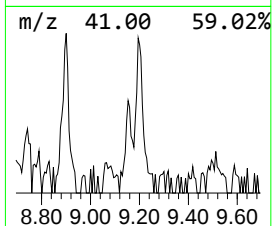
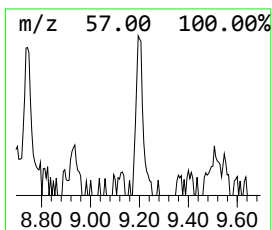
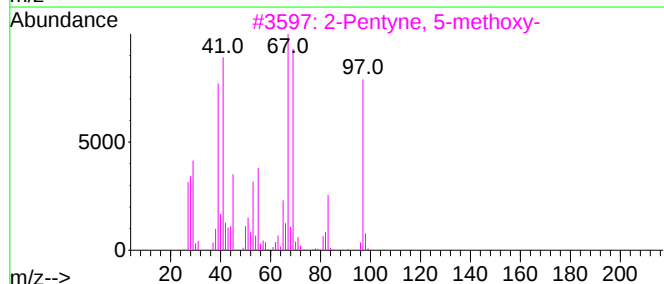
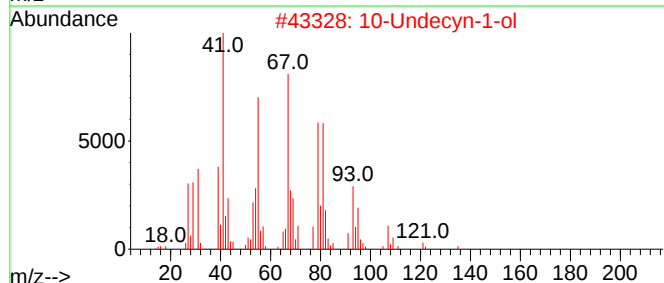
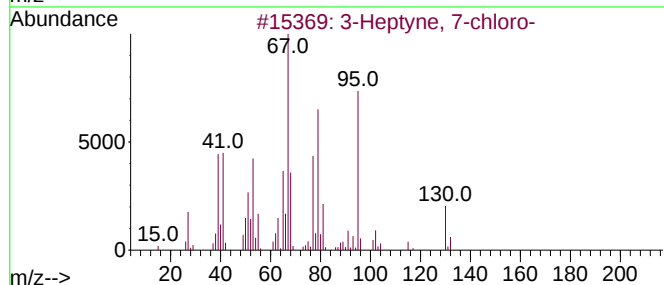
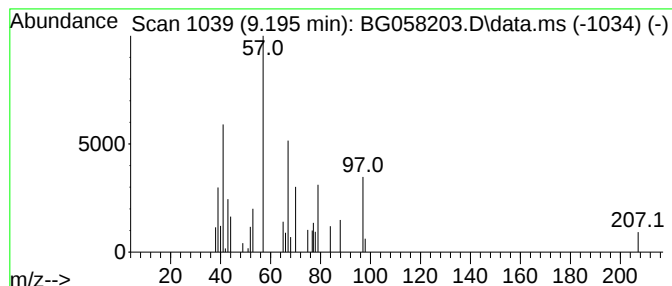
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Peak Number 11 unknown-03 Concentration Rank 13

| R.T.  | EstConc    | Area  | Relative to ISTD       | R.T.  |
|-------|------------|-------|------------------------|-------|
| 9.195 | 2.32 ng/ul | 31264 | 1,4-Dichlorobenzene-d4 | 7.902 |

| Hit# | of 5                       | Tentative ID | MW      | MolForm     | CAS# | Qual |
|------|----------------------------|--------------|---------|-------------|------|------|
| 1    | 3-Heptyne, 7-chloro-       | 130          | C7H11Cl | 051575-85-0 | 32   |      |
| 2    | 10-Undecyn-1-ol            | 168          | C11H20O | 002774-84-7 | 27   |      |
| 3    | 2-Pentyne, 5-methoxy-      | 98           | C6H10O  | 062108-18-3 | 25   |      |
| 4    | Pent-2-ynal, 4,4-dimethyl- | 110          | C7H10O  | 002579-21-7 | 22   |      |
| 5    | 1,8-Cyclopentadecadiyne    | 202          | C15H22  | 004722-42-3 | 22   |      |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG071323\  
Data File : BG058203.D  
Acq On : 13 Jul 2023 18:01  
Operator : CG/JU  
Sample : 03414-17  
Misc :  
ALS Vial : 10 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
A46E8

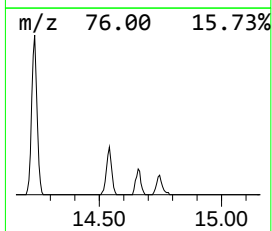
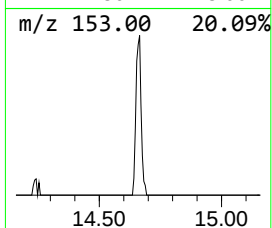
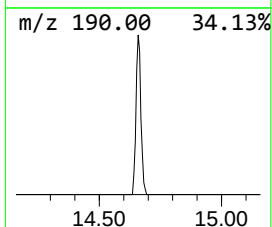
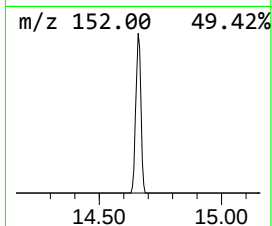
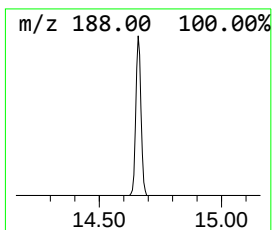
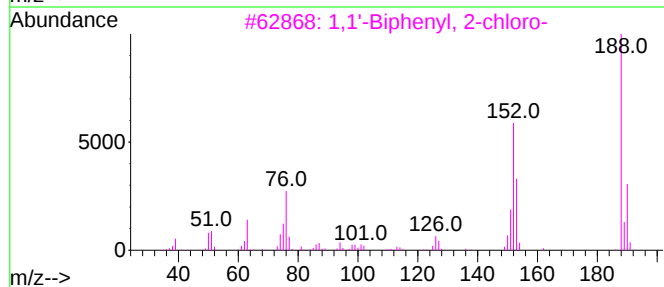
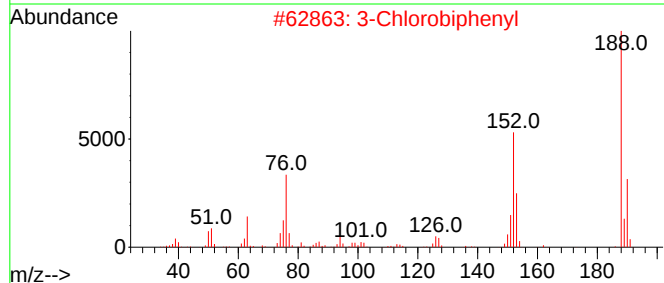
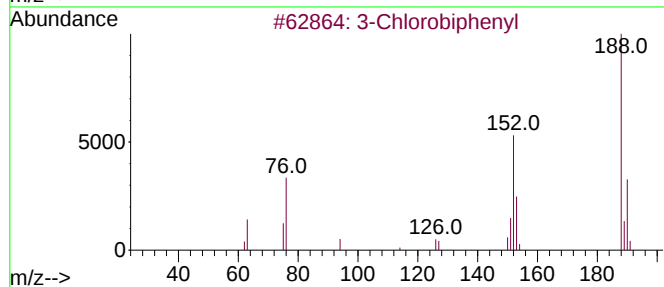
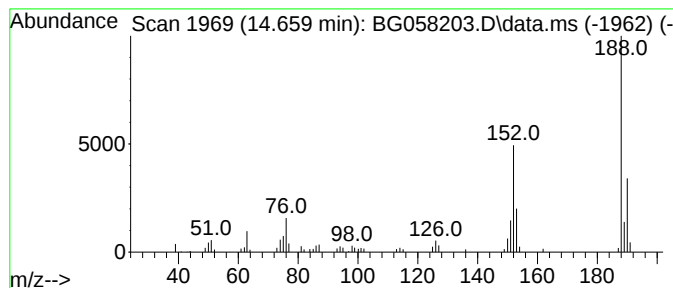
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Quant Title : SVOA CALIBRATION

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

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Peak Number 12 3-Chlorobiphenyl Concentration Rank 15

| R.T.   | EstConc    | Area  | Relative to ISTD | R.T.   |
|--------|------------|-------|------------------|--------|
| 14.659 | 2.17 ng/ul | 72174 | Acenaphthene-d10 | 14.541 |

| Hit# | of | 5 | Tentative ID             | MW  | MolForm | CAS#        | Qual |
|------|----|---|--------------------------|-----|---------|-------------|------|
| 1    |    |   | 3-Chlorobiphenyl         | 188 | C12H9Cl | 002051-61-8 | 97   |
| 2    |    |   | 3-Chlorobiphenyl         | 188 | C12H9Cl | 002051-61-8 | 97   |
| 3    |    |   | 1,1'-Biphenyl, 2-chloro- | 188 | C12H9Cl | 002051-60-7 | 96   |
| 4    |    |   | 1,1'-Biphenyl, 4-chloro- | 188 | C12H9Cl | 002051-62-9 | 96   |
| 5    |    |   | 1,1'-Biphenyl, 4-chloro- | 188 | C12H9Cl | 002051-62-9 | 96   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG071323\  
Data File : BG058203.D  
Acq On : 13 Jul 2023 18:01  
Operator : CG/JU  
Sample : 03414-17  
Misc :  
ALS Vial : 10 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
A46E8

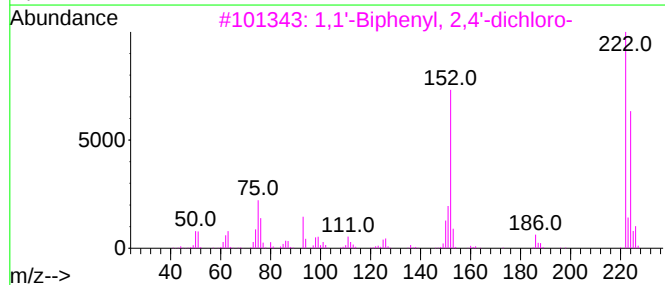
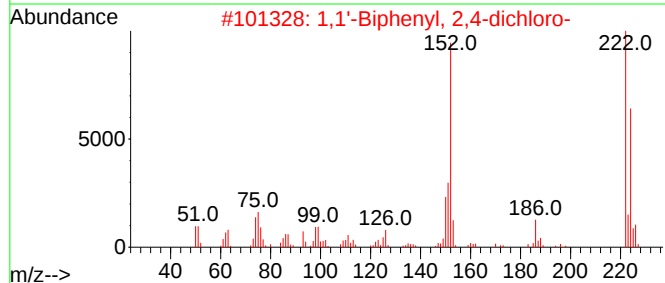
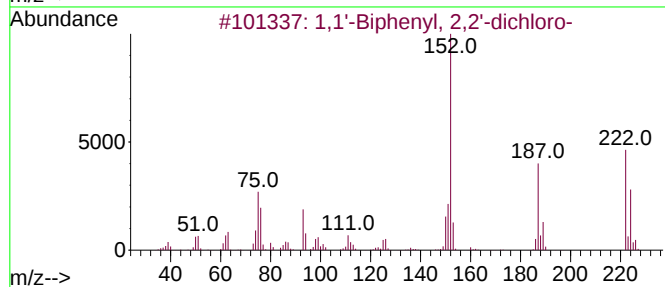
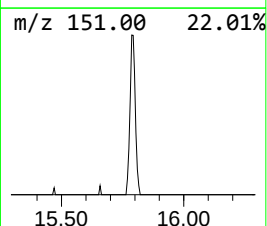
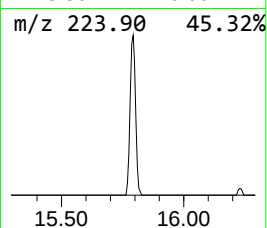
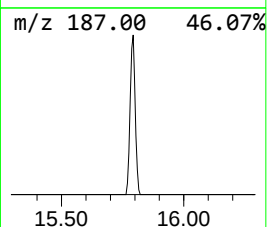
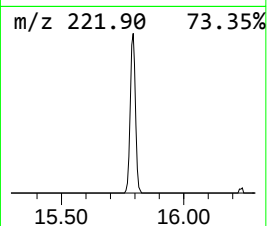
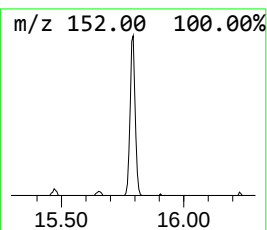
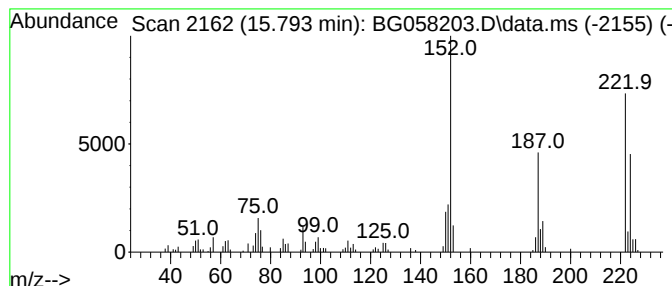
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Quant Title : SVOA CALIBRATION

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

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Peak Number 13 1,1'-Biphenyl, 2,2'-dichloro- Concentration Rank 7

| R.T.   | EstConc    | Area   | Relative to ISTD | R.T.   |
|--------|------------|--------|------------------|--------|
| 15.793 | 4.23 ng/ul | 140276 | Acenaphthene-d10 | 14.541 |

| Hit# | of                            | 5   | Tentative ID | MW          | MolForm | CAS# | Qual |
|------|-------------------------------|-----|--------------|-------------|---------|------|------|
| 1    | 1,1'-Biphenyl, 2,2'-dichloro- | 222 | C12H8Cl2     | 013029-08-8 | 98      |      |      |
| 2    | 1,1'-Biphenyl, 2,4-dichloro-  | 222 | C12H8Cl2     | 033284-50-3 | 97      |      |      |
| 3    | 1,1'-Biphenyl, 2,4'-dichloro- | 222 | C12H8Cl2     | 034883-43-7 | 97      |      |      |
| 4    | 1,1'-Biphenyl, 3,5-dichloro-  | 222 | C12H8Cl2     | 034883-41-5 | 96      |      |      |
| 5    | 1,1'-Biphenyl, 2,6-dichloro-  | 222 | C12H8Cl2     | 033146-45-1 | 96      |      |      |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG071323\  
Data File : BG058203.D  
Acq On : 13 Jul 2023 18:01  
Operator : CG/JU  
Sample : 03414-17  
Misc :  
ALS Vial : 10 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
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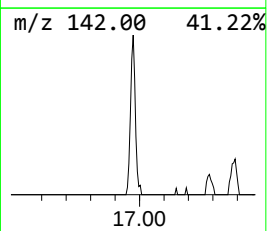
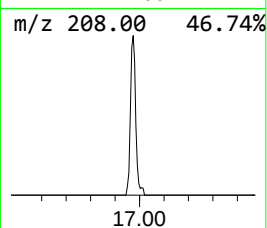
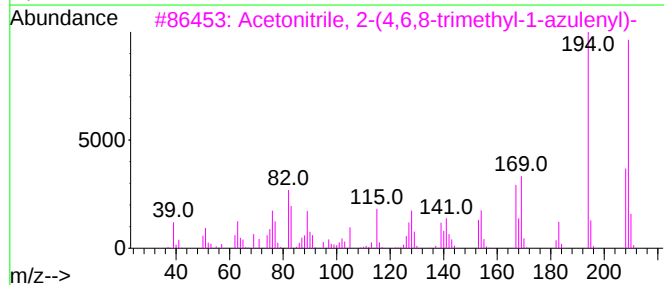
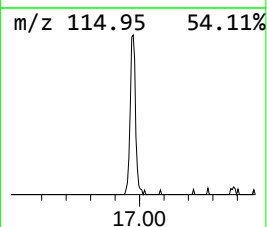
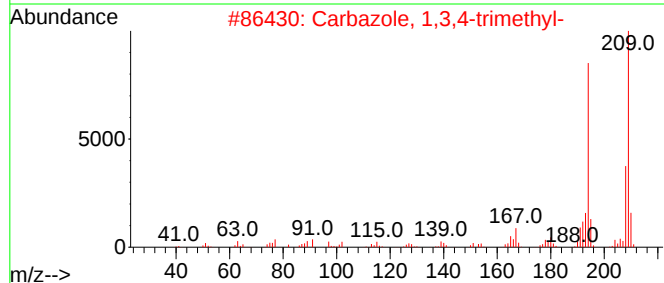
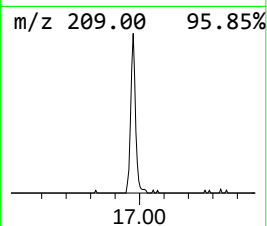
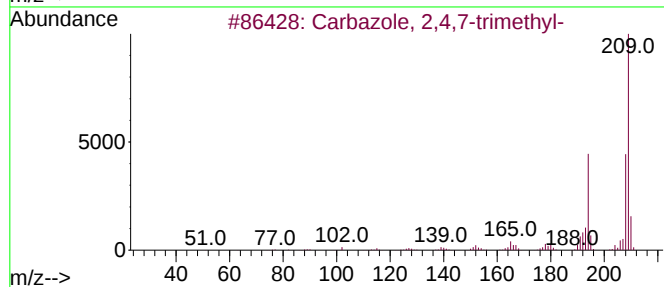
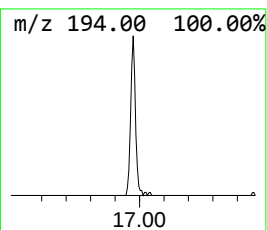
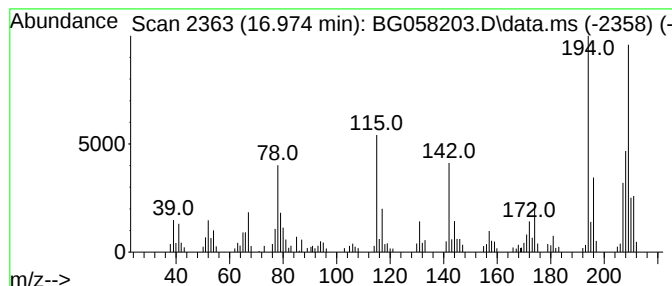
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TIC Integration Parameters: LSCINT.P

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Peak Number 14 unknown-04 Concentration Rank 11

| R.T.   | EstConc    | Area   | Relative to ISTD | R.T.   |
|--------|------------|--------|------------------|--------|
| 16.974 | 3.09 ng/ul | 135619 | Phenanthrene-d10 | 17.285 |

| Hit# | of | 5 | Tentative ID                                  | MW  | MolForm    | CAS#        | Qual |
|------|----|---|-----------------------------------------------|-----|------------|-------------|------|
| 1    |    |   | Carbazole, 2,4,7-trimethyl-                   | 209 | C15H15N    | 078787-89-0 | 49   |
| 2    |    |   | Carbazole, 1,3,4-trimethyl-                   | 209 | C15H15N    | 078787-82-3 | 49   |
| 3    |    |   | Acetonitrile, 2-(4,6,8-trimethyl-1-azulenyl)- | 209 | C15H15N    | 101089-34-3 | 47   |
| 4    |    |   | Carbazole, 1,4,8-trimethyl-                   | 209 | C15H15N    | 078787-83-4 | 47   |
| 5    |    |   | N-(1-Methyl-3-oxobutylidene)-4-c...           | 209 | C11H12ClNO | 050519-24-9 | 46   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG071323\  
Data File : BG058203.D  
Acq On : 13 Jul 2023 18:01  
Operator : CG/JU  
Sample : 03414-17  
Misc :  
ALS Vial : 10 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
A46E8

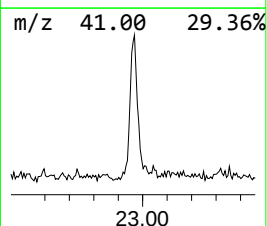
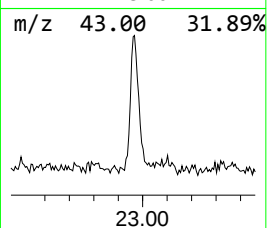
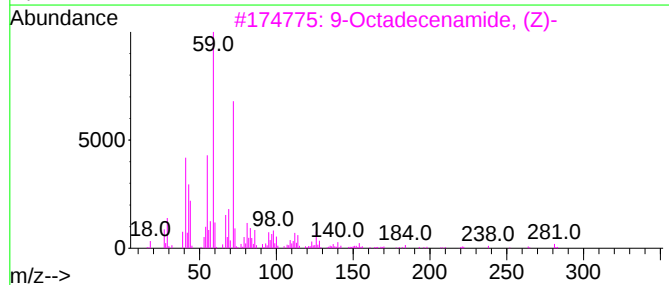
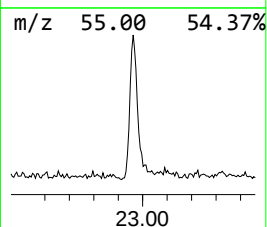
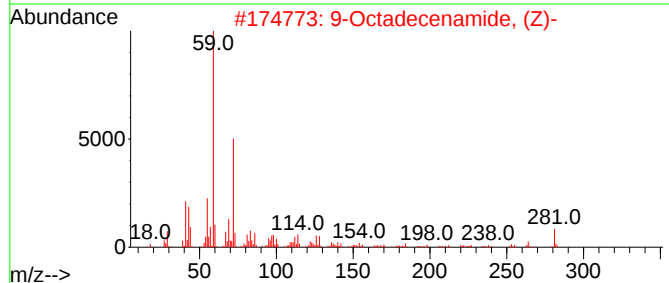
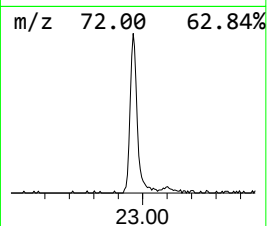
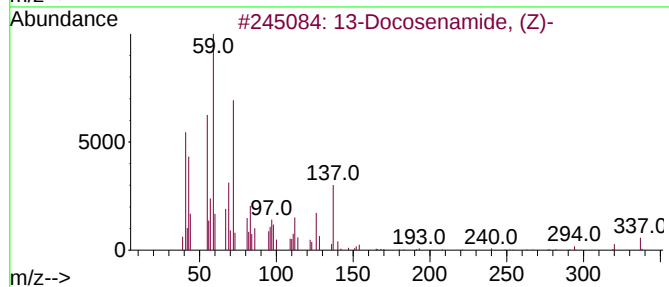
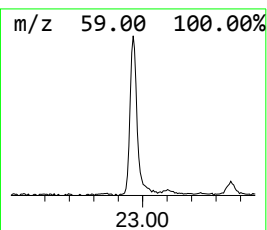
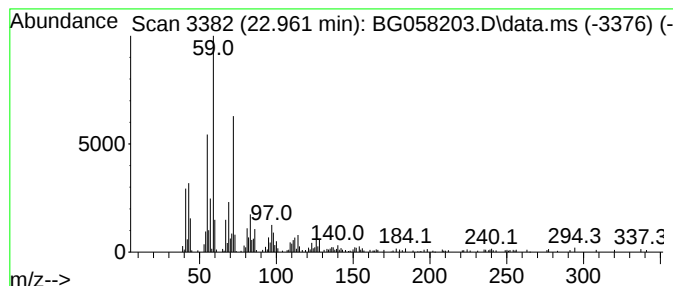
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\SFAM-EPA-BG070123.MA.M  
Quant Title : SVOA CALIBRATION

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

\*\*\*\*\*  
Peak Number 15 13-Docosenamide, (Z)- Concentration Rank 5

| R.T.   | EstConc    | Area   | Relative to ISTD | R.T.   |
|--------|------------|--------|------------------|--------|
| 22.961 | 7.37 ng/ul | 334092 | Chrysene-d12     | 21.539 |

| Hit# | of 5 | Tentative ID           | MW  | MolForm  | CAS#        | Qual |
|------|------|------------------------|-----|----------|-------------|------|
| 1    |      | 13-Docosenamide, (Z)-  | 337 | C22H43NO | 000112-84-5 | 91   |
| 2    |      | 9-Octadecenamide, (Z)- | 281 | C18H35NO | 000301-02-0 | 90   |
| 3    |      | 9-Octadecenamide, (Z)- | 281 | C18H35NO | 000301-02-0 | 90   |
| 4    |      | 13-Docosenamide, (Z)-  | 337 | C22H43NO | 000112-84-5 | 87   |
| 5    |      | 9-Octadecenamide, (Z)- | 281 | C18H35NO | 000301-02-0 | 83   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG071323\  
 Data File : BG058203.D  
 Acq On : 13 Jul 2023 18:01  
 Operator : CG/JU  
 Sample : 03414-17  
 Misc :  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 A46E8

Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\SFAM-EPA-BG070123.MA.M  
 Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST0.L  
 TIC Integration Parameters: LSCINT.P

| TIC Top Hit name   | RT     | EstConc | Units | Response | --Internal Standard-- |        |        |      |
|--------------------|--------|---------|-------|----------|-----------------------|--------|--------|------|
|                    |        |         |       |          | #                     | RT     | Resp   | Conc |
| Cyclohexene        | 3.155  | 472.4   | ng/ul | 6369340  | 1                     | 7.902  | 269677 | 20.0 |
| Tetrachloroethy... | 4.623  | 2.4     | ng/ul | 32390    | 1                     | 7.902  | 269677 | 20.0 |
| Benzene, 1,3-di... | 5.546  | 2.3     | ng/ul | 30463    | 1                     | 7.902  | 269677 | 20.0 |
| 2-Cyclohexen-1-ol  | 5.804  | 16.2    | ng/ul | 218859   | 1                     | 7.902  | 269677 | 20.0 |
| Cyclopropane, 1... | 6.180  | 4.0     | ng/ul | 53405    | 1                     | 7.902  | 269677 | 20.0 |
| 2-Cyclohexen-1-one | 6.527  | 29.1    | ng/ul | 391657   | 1                     | 7.902  | 269677 | 20.0 |
| unknown-01         | 8.078  | 4.2     | ng/ul | 55909    | 1                     | 7.902  | 269677 | 20.0 |
| unknown-02         | 8.155  | 5.9     | ng/ul | 79419    | 1                     | 7.902  | 269677 | 20.0 |
| 2-Chlorocyclohe... | 8.219  | 71.5    | ng/ul | 963555   | 1                     | 7.902  | 269677 | 20.0 |
| Bi-2-cyclohexen... | 8.895  | 4.0     | ng/ul | 53672    | 1                     | 7.902  | 269677 | 20.0 |
| unknown-03         | 9.195  | 2.3     | ng/ul | 31264    | 1                     | 7.902  | 269677 | 20.0 |
| 3-Chlorobiphenyl   | 14.659 | 2.2     | ng/ul | 72174    | 3                     | 14.541 | 663749 | 20.0 |
| 1,1'-Biphenyl, ... | 15.793 | 4.2     | ng/ul | 140276   | 3                     | 14.541 | 663749 | 20.0 |
| unknown-04         | 16.974 | 3.1     | ng/ul | 135619   | 4                     | 17.285 | 878981 | 20.0 |
| 13-Docosenamide... | 22.961 | 7.4     | ng/ul | 334092   | 5                     | 21.539 | 907105 | 20.0 |