

Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP050423\  
 Data File : BP014960.D  
 Acq On : 04 May 2023 19:27  
 Operator : CG/JU  
 Sample : 02447-11 10X  
 Misc :  
 ALS Vial : 19 Sample Multiplier: 1

Instrument :  
 BNA\_P  
 ClientSampleId :  
 EW917

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\_P\Methods\SFAM-EPA-BP050323.MA.M  
 Title : SVOA CALIBRATION

Signal : TIC: BP014960.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         | 7.305       | 660           | 666         | 669          | rVV2     | 38315          | 72122         | 0.58%           | 0.057%        |
| 2         | 7.334       | 669           | 671         | 675          | rVV      | 53384          | 81992         | 0.66%           | 0.064%        |
| 3         | 7.687       | 726           | 731         | 739          | rVB2     | 40902          | 70183         | 0.56%           | 0.055%        |
| 4         | 8.164       | 804           | 812         | 822          | rBV      | 1033177        | 1659575       | 13.34%          | 1.305%        |
| 5         | 8.875       | 928           | 933         | 940          | rBV      | 34901          | 63717         | 0.51%           | 0.050%        |
| 6         | 8.999       | 948           | 954         | 963          | rVB      | 40241          | 67351         | 0.54%           | 0.053%        |
| 7         | 10.616      | 1223          | 1229        | 1238         | rVB2     | 31716          | 58773         | 0.47%           | 0.046%        |
| 8         | 10.999      | 1283          | 1294        | 1300         | rBV      | 1259986        | 2151257       | 17.29%          | 1.692%        |
| 9         | 11.052      | 1300          | 1303        | 1311         | rVV      | 53957          | 93142         | 0.75%           | 0.073%        |
| 10        | 12.646      | 1568          | 1574        | 1581         | rVB      | 38694          | 63032         | 0.51%           | 0.050%        |
| 11        | 12.863      | 1606          | 1611        | 1616         | rBV      | 42277          | 67587         | 0.54%           | 0.053%        |
| 12        | 13.987      | 1793          | 1802        | 1809         | rBV4     | 34349          | 87508         | 0.70%           | 0.069%        |
| 13        | 14.128      | 1820          | 1826        | 1830         | rBV      | 66126          | 121553        | 0.98%           | 0.096%        |
| 14        | 14.181      | 1830          | 1835        | 1836         | rVV3     | 44526          | 80591         | 0.65%           | 0.063%        |
| 15        | 14.204      | 1836          | 1839        | 1844         | rVB      | 74940          | 111877        | 0.90%           | 0.088%        |
| 16        | 14.534      | 1884          | 1895        | 1906         | rBV2     | 422894         | 799007        | 6.42%           | 0.628%        |
| 17        | 14.810      | 1931          | 1942        | 1948         | rBV      | 1724530        | 2582036       | 20.75%          | 2.030%        |
| 18        | 14.869      | 1948          | 1952        | 1959         | rVV      | 179022         | 270579        | 2.17%           | 0.213%        |
| 19        | 15.204      | 2003          | 2009        | 2016         | rVV      | 153210         | 232114        | 1.87%           | 0.183%        |
| 20        | 15.275      | 2017          | 2021        | 2027         | rVB      | 42334          | 59825         | 0.48%           | 0.047%        |
| 21        | 15.416      | 2039          | 2045        | 2051         | rBV3     | 35498          | 69247         | 0.56%           | 0.054%        |
| 22        | 15.593      | 2066          | 2075        | 2078         | rBV2     | 33641          | 67610         | 0.54%           | 0.053%        |
| 23        | 15.798      | 2106          | 2110        | 2114         | rVV      | 125810         | 171600        | 1.38%           | 0.135%        |
| 24        | 15.857      | 2114          | 2120        | 2127         | rVB      | 278502         | 444791        | 3.57%           | 0.350%        |
| 25        | 16.145      | 2165          | 2169        | 2175         | rVB2     | 86950          | 135853        | 1.09%           | 0.107%        |
| 26        | 16.293      | 2185          | 2194        | 2202         | rVV      | 93576          | 198772        | 1.60%           | 0.156%        |
| 27        | 16.528      | 2231          | 2234        | 2241         | rVB5     | 44383          | 68801         | 0.55%           | 0.054%        |
| 28        | 16.863      | 2281          | 2291        | 2295         | rBV3     | 92341          | 185583        | 1.49%           | 0.146%        |
| 29        | 16.910      | 2295          | 2299        | 2304         | rVB2     | 56949          | 83165         | 0.67%           | 0.065%        |
| 30        | 17.010      | 2312          | 2316        | 2321         | rVB3     | 41870          | 58546         | 0.47%           | 0.046%        |
| 31        | 17.087      | 2321          | 2329        | 2333         | rBV2     | 56772          | 110476        | 0.89%           | 0.087%        |
| 32        | 17.216      | 2345          | 2351        | 2357         | rVV      | 124886         | 202495        | 1.63%           | 0.159%        |
| 33        | 17.304      | 2359          | 2366        | 2372         | rVV5     | 113867         | 271442        | 2.18%           | 0.213%        |
| 34        | 17.381      | 2374          | 2379        | 2387         | rVB      | 220120         | 324892        | 2.61%           | 0.255%        |
| 35        | 17.563      | 2404          | 2410        | 2414         | rBV      | 2113074        | 3198734       | 25.71%          | 2.515%        |
| 36        | 17.610      | 2414          | 2418        | 2423         | rVV      | 4275027        | 5957409       | 47.88%          | 4.685%        |

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Integration Parameters: LSCINT.P

Integrator: RTE

Smoothing : OFF

Filtering: 5

Sampling : 1

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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\_P\Methods\SFAM-EPA-BP050323.MA.M  
 Title : SVOA CALIBRATION

|    |        |      |      |      |      |         |          |         |        |
|----|--------|------|------|------|------|---------|----------|---------|--------|
| 37 | 17.663 | 2423 | 2427 | 2429 | rVV2 | 161774  | 249338   | 2.00%   | 0.196% |
| 38 | 17.698 | 2429 | 2433 | 2438 | rVV  | 1038351 | 1421310  | 11.42%  | 1.118% |
| 39 | 17.751 | 2438 | 2442 | 2447 | rVB3 | 68330   | 129065   | 1.04%   | 0.101% |
| 40 | 17.957 | 2470 | 2477 | 2487 | rBV2 | 216730  | 415959   | 3.34%   | 0.327% |
| 41 | 18.075 | 2493 | 2497 | 2501 | rBV  | 99878   | 125315   | 1.01%   | 0.099% |
| 42 | 18.134 | 2503 | 2507 | 2516 | rVB2 | 109212  | 177916   | 1.43%   | 0.140% |
| 43 | 18.275 | 2527 | 2531 | 2535 | rVB2 | 49900   | 74728    | 0.60%   | 0.059% |
| 44 | 18.416 | 2550 | 2555 | 2559 | rVV  | 575505  | 790357   | 6.35%   | 0.621% |
| 45 | 18.463 | 2559 | 2563 | 2569 | rVB  | 792455  | 1064974  | 8.56%   | 0.837% |
| 46 | 18.545 | 2571 | 2577 | 2581 | rBV  | 240188  | 347062   | 2.79%   | 0.273% |
| 47 | 18.610 | 2581 | 2588 | 2591 | rBV3 | 1007476 | 1688369  | 13.57%  | 1.328% |
| 48 | 18.639 | 2591 | 2593 | 2599 | rVB  | 402379  | 477456   | 3.84%   | 0.375% |
| 49 | 18.798 | 2616 | 2620 | 2623 | rVV3 | 42974   | 61298    | 0.49%   | 0.048% |
| 50 | 18.892 | 2632 | 2636 | 2640 | rBV  | 374508  | 471349   | 3.79%   | 0.371% |
| 51 | 18.939 | 2640 | 2644 | 2649 | rVB2 | 245484  | 337589   | 2.71%   | 0.265% |
| 52 | 19.134 | 2673 | 2677 | 2681 | rVV  | 113598  | 140445   | 1.13%   | 0.110% |
| 53 | 19.181 | 2681 | 2685 | 2688 | rVV  | 150274  | 186774   | 1.50%   | 0.147% |
| 54 | 19.216 | 2688 | 2691 | 2695 | rVB  | 122778  | 143669   | 1.15%   | 0.113% |
| 55 | 19.298 | 2700 | 2705 | 2710 | rBV  | 316100  | 551658   | 4.43%   | 0.434% |
| 56 | 19.363 | 2710 | 2716 | 2718 | rVV4 | 157870  | 309205   | 2.49%   | 0.243% |
| 57 | 19.386 | 2718 | 2720 | 2723 | rVB  | 130775  | 126152   | 1.01%   | 0.099% |
| 58 | 19.434 | 2724 | 2728 | 2737 | rBV2 | 378163  | 655954   | 5.27%   | 0.516% |
| 59 | 19.557 | 2743 | 2749 | 2755 | rBV  | 9326660 | 12442347 | 100.00% | 9.784% |
| 60 | 19.610 | 2755 | 2758 | 2761 | rVV  | 117527  | 140183   | 1.13%   | 0.110% |
| 61 | 19.645 | 2761 | 2764 | 2768 | rVB2 | 180323  | 232888   | 1.87%   | 0.183% |
| 62 | 19.698 | 2769 | 2773 | 2777 | rBV  | 248820  | 336093   | 2.70%   | 0.264% |
| 63 | 19.739 | 2777 | 2780 | 2783 | rVV3 | 83848   | 123196   | 0.99%   | 0.097% |
| 64 | 19.792 | 2783 | 2789 | 2798 | rVV2 | 318478  | 610832   | 4.91%   | 0.480% |
| 65 | 19.875 | 2798 | 2803 | 2805 | rVV2 | 1273833 | 1883800  | 15.14%  | 1.481% |
| 66 | 19.910 | 2805 | 2809 | 2816 | rVV  | 7980944 | 10843168 | 87.15%  | 8.526% |
| 67 | 19.969 | 2816 | 2819 | 2826 | rVB2 | 314310  | 449182   | 3.61%   | 0.353% |
| 68 | 20.081 | 2833 | 2838 | 2843 | rVB  | 383327  | 506406   | 4.07%   | 0.398% |
| 69 | 20.139 | 2843 | 2848 | 2854 | rVB  | 333589  | 514047   | 4.13%   | 0.404% |
| 70 | 20.216 | 2855 | 2861 | 2862 | rBV  | 445914  | 654016   | 5.26%   | 0.514% |
| 71 | 20.269 | 2868 | 2870 | 2875 | rBV  | 80722   | 96727    | 0.78%   | 0.076% |
| 72 | 20.381 | 2886 | 2889 | 2894 | rVB  | 971294  | 1376087  | 11.06%  | 1.082% |
| 73 | 20.481 | 2902 | 2906 | 2910 | rBV  | 642407  | 846150   | 6.80%   | 0.665% |
| 74 | 20.539 | 2910 | 2916 | 2920 | rVV2 | 627199  | 1051106  | 8.45%   | 0.827% |
| 75 | 20.575 | 2920 | 2922 | 2925 | rVV  | 173074  | 180402   | 1.45%   | 0.142% |
| 76 | 20.616 | 2926 | 2929 | 2935 | rVB3 | 124406  | 167206   | 1.34%   | 0.131% |

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Instrument :  
 BNA\_P  
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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\_P\Methods\SFAM-EPA-BP050323.MA.M  
 Title : SVOA CALIBRATION

|     |        |      |      |      |      |         |          |        |        |
|-----|--------|------|------|------|------|---------|----------|--------|--------|
| 77  | 20.675 | 2936 | 2939 | 2943 | rBV  | 357159  | 450330   | 3.62%  | 0.354% |
| 78  | 20.722 | 2943 | 2947 | 2951 | rVB  | 358302  | 430472   | 3.46%  | 0.338% |
| 79  | 21.116 | 3010 | 3014 | 3020 | rVB  | 733668  | 956710   | 7.69%  | 0.752% |
| 80  | 21.280 | 3035 | 3042 | 3045 | rBV3 | 977447  | 1619667  | 13.02% | 1.274% |
| 81  | 21.316 | 3045 | 3048 | 3051 | rVV  | 783787  | 988960   | 7.95%  | 0.778% |
| 82  | 21.357 | 3051 | 3055 | 3059 | rVV2 | 822975  | 1306832  | 10.50% | 1.028% |
| 83  | 21.410 | 3059 | 3064 | 3074 | rVB2 | 813660  | 1363989  | 10.96% | 1.073% |
| 84  | 21.522 | 3080 | 3083 | 3089 | rVB  | 257346  | 316135   | 2.54%  | 0.249% |
| 85  | 21.633 | 3096 | 3102 | 3107 | rBV3 | 5320303 | 11035441 | 88.69% | 8.678% |
| 86  | 21.686 | 3107 | 3111 | 3121 | rVB  | 4551968 | 6528158  | 52.47% | 5.133% |
| 87  | 21.816 | 3129 | 3133 | 3138 | rBV  | 599693  | 893342   | 7.18%  | 0.702% |
| 88  | 21.869 | 3139 | 3142 | 3146 | rVV3 | 231935  | 328390   | 2.64%  | 0.258% |
| 89  | 21.986 | 3158 | 3162 | 3168 | rBV  | 595836  | 859518   | 6.91%  | 0.676% |
| 90  | 22.257 | 3205 | 3208 | 3212 | rVB  | 542389  | 734546   | 5.90%  | 0.578% |
| 91  | 22.316 | 3215 | 3218 | 3223 | rVB  | 348397  | 476752   | 3.83%  | 0.375% |
| 92  | 22.480 | 3243 | 3246 | 3250 | rBV  | 317023  | 502559   | 4.04%  | 0.395% |
| 93  | 23.445 | 3402 | 3410 | 3416 | rBV  | 3393424 | 9253907  | 74.37% | 7.277% |
| 94  | 23.645 | 3439 | 3444 | 3450 | rVB  | 618367  | 1127954  | 9.07%  | 0.887% |
| 95  | 24.016 | 3500 | 3507 | 3518 | rBV  | 1984571 | 4271399  | 34.33% | 3.359% |
| 96  | 24.127 | 3519 | 3526 | 3535 | rVB  | 2799347 | 6046599  | 48.60% | 4.755% |
| 97  | 24.245 | 3539 | 3546 | 3551 | rVV2 | 1822257 | 4068456  | 32.70% | 3.199% |
| 98  | 24.304 | 3552 | 3556 | 3565 | rVB  | 925249  | 1914168  | 15.38% | 1.505% |
| 99  | 26.998 | 4005 | 4014 | 4028 | rVB2 | 1505020 | 5233579  | 42.06% | 4.115% |
| 100 | 27.851 | 4151 | 4159 | 4181 | rVB  | 1000879 | 3721808  | 29.91% | 2.927% |

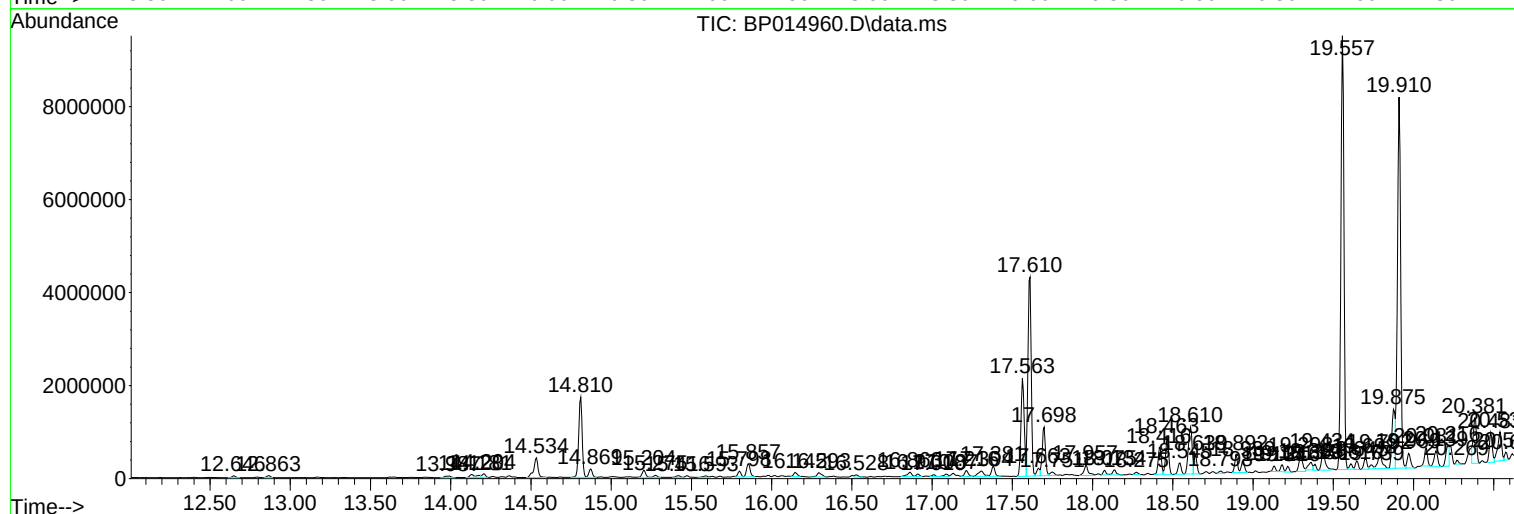
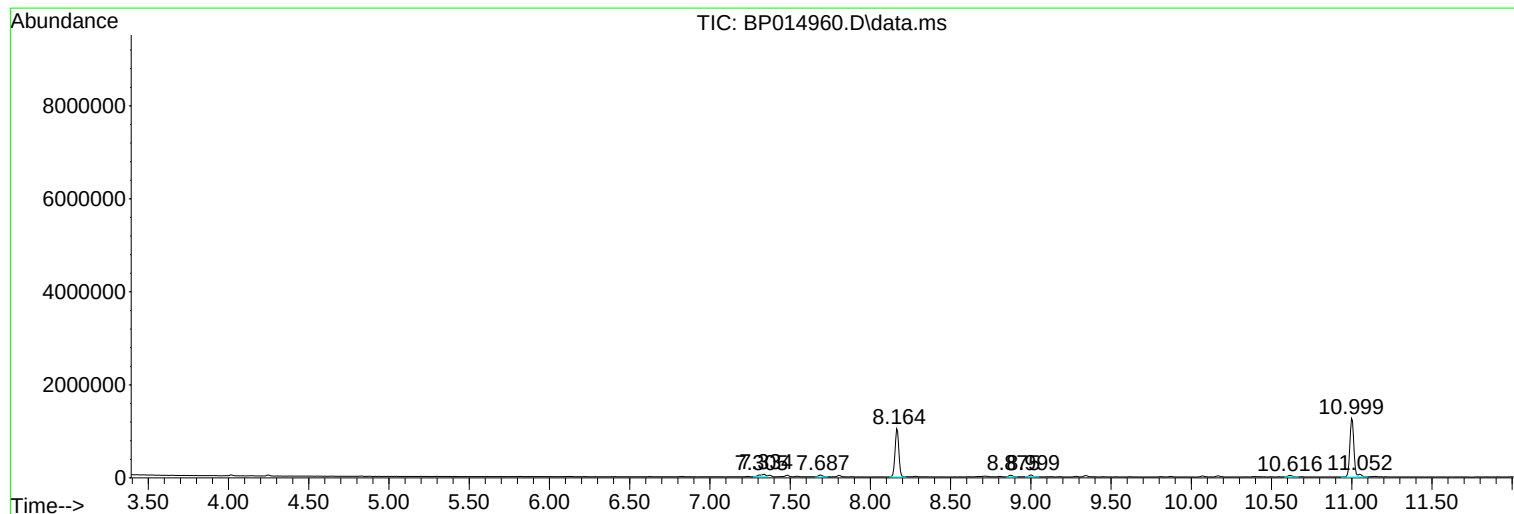
Sum of corrected areas: 127172686

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Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\SFAM-EPA-BP050323.MA.M  
Quant Title : SVOA CALIBRATION

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



Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP050423\  
Data File : BP014960.D  
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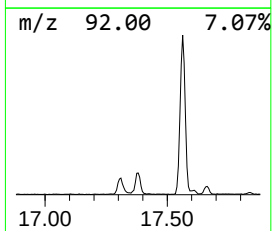
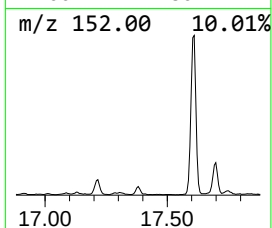
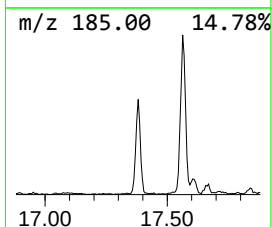
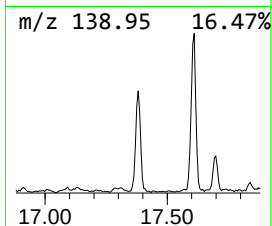
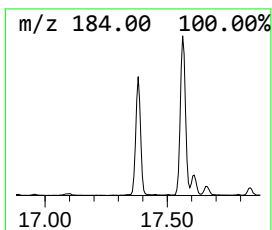
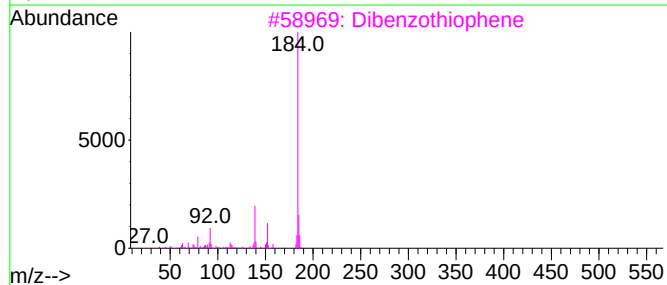
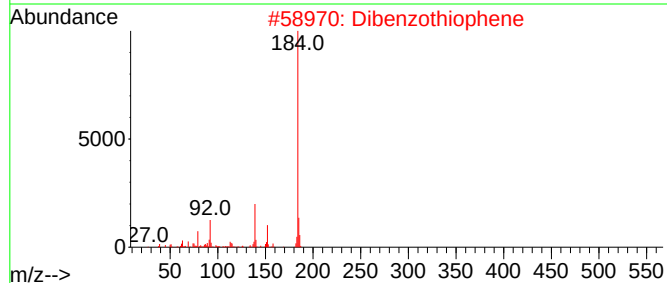
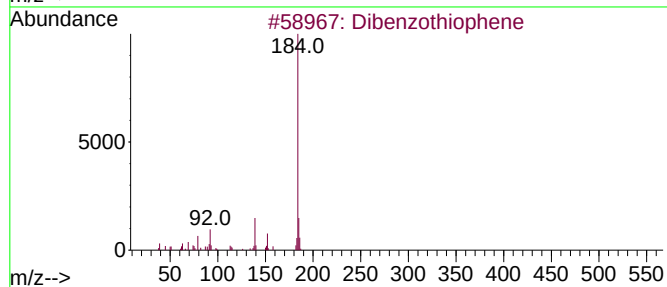
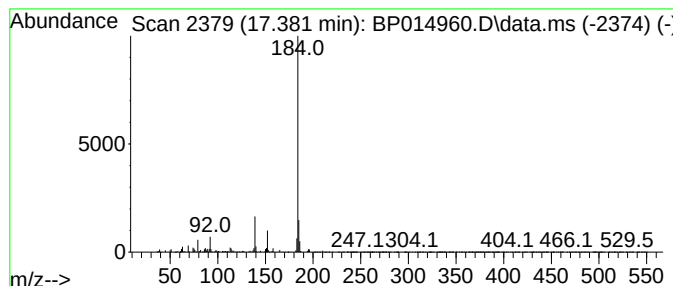
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\SFAM-EPA-BP050323.MA.M  
Quant Title : SVOA CALIBRATION

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

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Peak Number 1 Dibenzothiophene Concentration Rank 17

| R.T.   | EstConc    | Area   | Relative to ISTD | R.T.   |
|--------|------------|--------|------------------|--------|
| 17.381 | 2.03 ng/ul | 324892 | Phenanthrene-d10 | 17.563 |

| Hit# | of | 5 | Tentative ID            | MW  | MolForm | CAS#        | Qual |
|------|----|---|-------------------------|-----|---------|-------------|------|
| 1    |    |   | Dibenzothiophene        | 184 | C12H8S  | 000132-65-0 | 96   |
| 2    |    |   | Dibenzothiophene        | 184 | C12H8S  | 000132-65-0 | 95   |
| 3    |    |   | Dibenzothiophene        | 184 | C12H8S  | 000132-65-0 | 95   |
| 4    |    |   | Naphtho[2,1-b]thiophene | 184 | C12H8S  | 000233-02-3 | 94   |
| 5    |    |   | Dibenzothiophene        | 184 | C12H8S  | 000132-65-0 | 94   |



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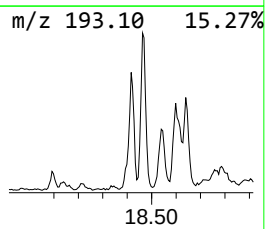
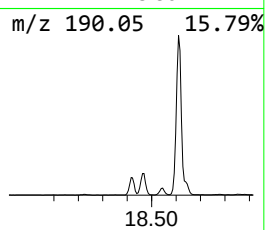
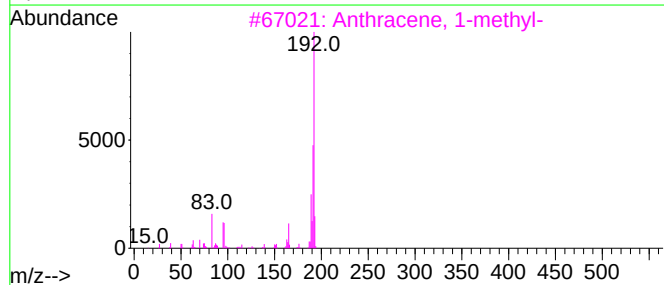
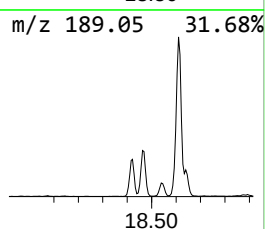
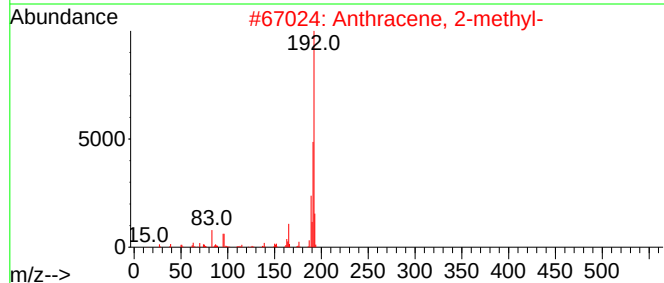
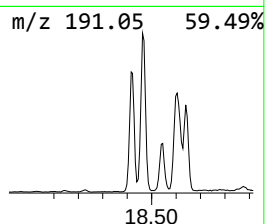
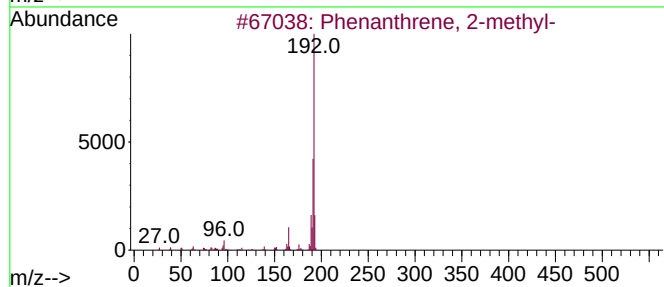
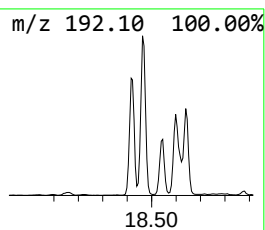
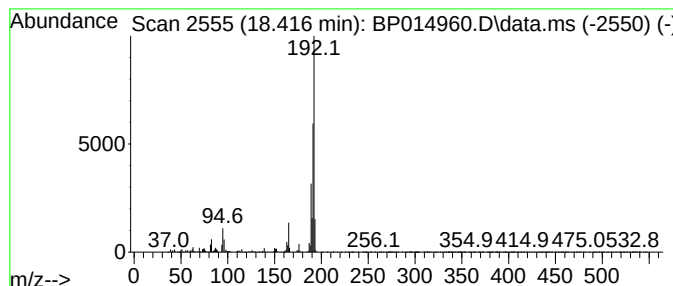
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\SFAM-EPA-BP050323.MA.M  
Quant Title : SVOA CALIBRATION

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

\*\*\*\*\*  
Peak Number 2 Phenanthrene, 2-methyl- Concentration Rank 6

| R.T.   | EstConc    | Area   | Relative to ISTD | R.T.   |
|--------|------------|--------|------------------|--------|
| 18.416 | 4.94 ng/ul | 790357 | Phenanthrene-d10 | 17.563 |

| Hit# | of | 5 | Tentative ID            | MW  | MolForm | CAS#        | Qual |
|------|----|---|-------------------------|-----|---------|-------------|------|
| 1    |    |   | Phenanthrene, 2-methyl- | 192 | C15H12  | 002531-84-2 | 96   |
| 2    |    |   | Anthracene, 2-methyl-   | 192 | C15H12  | 000613-12-7 | 95   |
| 3    |    |   | Anthracene, 1-methyl-   | 192 | C15H12  | 000610-48-0 | 94   |
| 4    |    |   | Phenanthrene, 2-methyl- | 192 | C15H12  | 002531-84-2 | 94   |
| 5    |    |   | Phenanthrene, 2-methyl- | 192 | C15H12  | 002531-84-2 | 94   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP050423\  
Data File : BP014960.D  
Acq On : 04 May 2023 19:27  
Operator : CG/JU  
Sample : 02447-11 10X  
Misc :  
ALS Vial : 19 Sample Multiplier: 1

Instrument :  
BNA\_P  
ClientSampleId :  
EW917

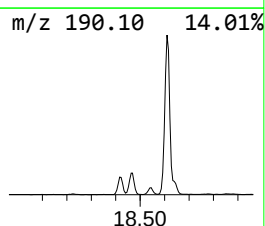
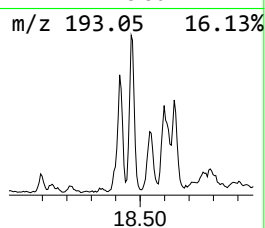
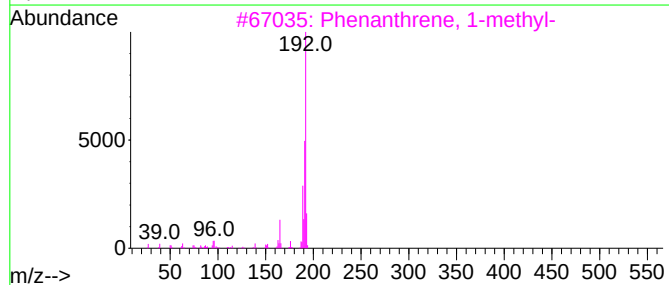
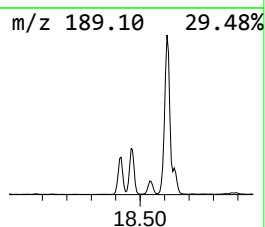
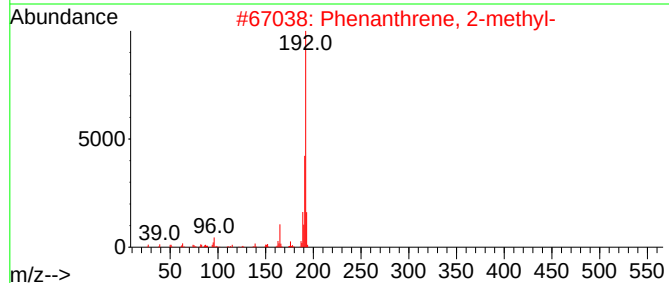
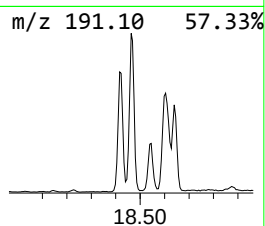
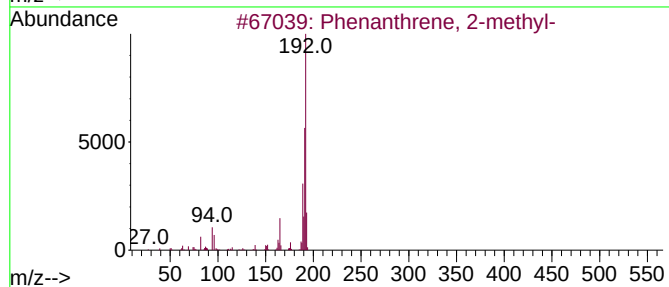
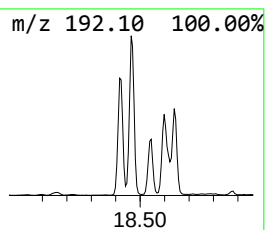
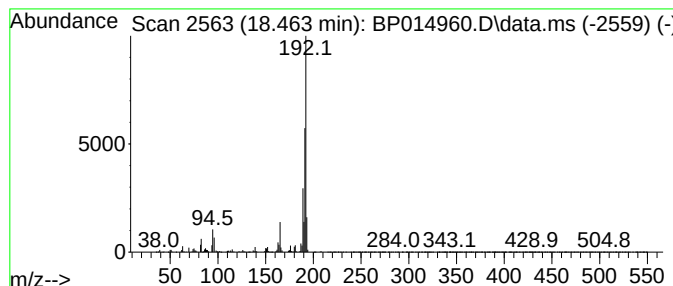
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Quant Title : SVOA CALIBRATION

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

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Peak Number 3 Phenanthrene, 1-methyl- Concentration Rank 4

| R.T.   | EstConc    | Area    | Relative to ISTD | R.T.   |
|--------|------------|---------|------------------|--------|
| 18.463 | 6.66 ng/ul | 1064970 | Phenanthrene-d10 | 17.563 |

| Hit# | of | 5 | Tentative ID            | MW  | MolForm | CAS#        | Qual |
|------|----|---|-------------------------|-----|---------|-------------|------|
| 1    |    |   | Phenanthrene, 2-methyl- | 192 | C15H12  | 002531-84-2 | 98   |
| 2    |    |   | Phenanthrene, 2-methyl- | 192 | C15H12  | 002531-84-2 | 97   |
| 3    |    |   | Phenanthrene, 1-methyl- | 192 | C15H12  | 000832-69-9 | 96   |
| 4    |    |   | Anthracene, 2-methyl-   | 192 | C15H12  | 000613-12-7 | 96   |
| 5    |    |   | Anthracene, 1-methyl-   | 192 | C15H12  | 000610-48-0 | 96   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP050423\  
Data File : BP014960.D  
Acq On : 04 May 2023 19:27  
Operator : CG/JU  
Sample : 02447-11 10X  
Misc :  
ALS Vial : 19 Sample Multiplier: 1

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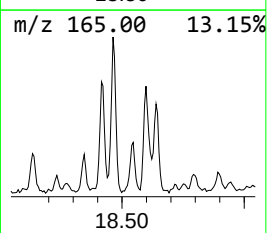
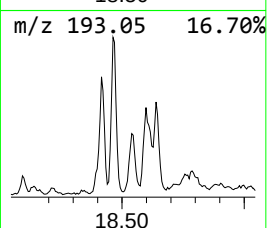
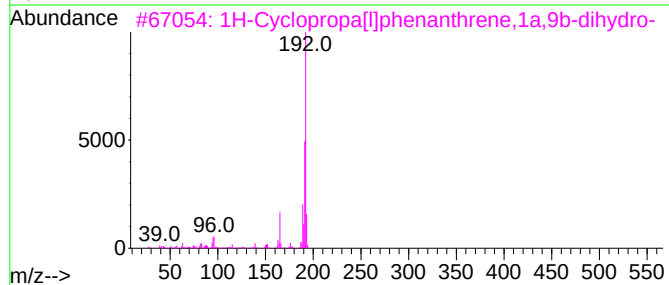
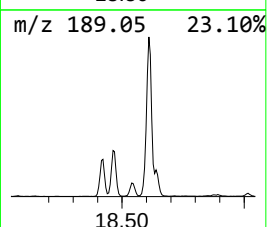
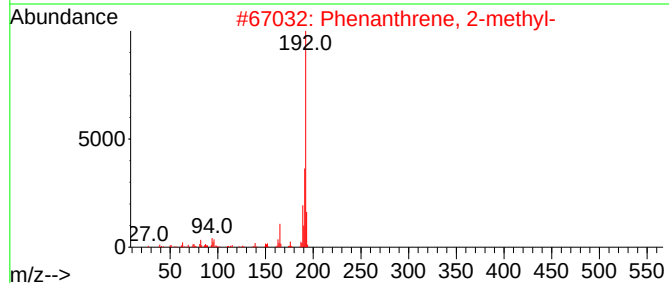
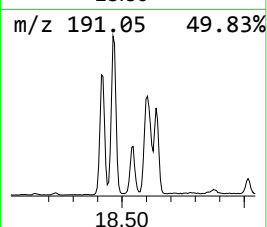
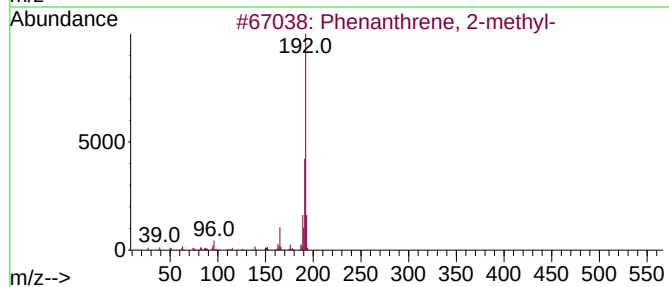
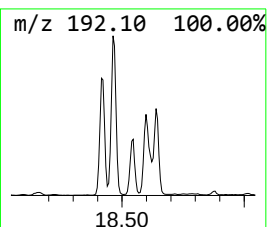
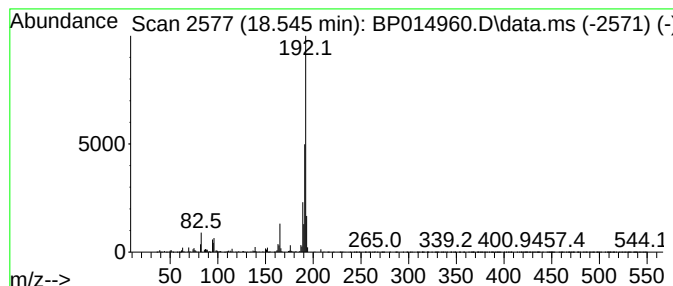
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TIC Integration Parameters: LSCINT.P

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Peak Number 4 1H-Cyclopropa[l]phenanthren... Concentration Rank 15

| R.T.   | EstConc    | Area   | Relative to ISTD | R.T.   |
|--------|------------|--------|------------------|--------|
| 18.545 | 2.17 ng/ul | 347062 | Phenanthrene-d10 | 17.563 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm | CAS#        | Qual |
|------|----|---|-------------------------------------|-----|---------|-------------|------|
| 1    |    |   | Phenanthrene, 2-methyl-             | 192 | C15H12  | 002531-84-2 | 97   |
| 2    |    |   | Phenanthrene, 2-methyl-             | 192 | C15H12  | 002531-84-2 | 97   |
| 3    |    |   | 1H-Cyclopropa[l]phenanthrene,1a,... | 192 | C15H12  | 000949-41-7 | 97   |
| 4    |    |   | Phenanthrene, 1-methyl-             | 192 | C15H12  | 000832-69-9 | 96   |
| 5    |    |   | Anthracene, 9-methyl-               | 192 | C15H12  | 000779-02-2 | 96   |





Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP050423\  
Data File : BP014960.D  
Acq On : 04 May 2023 19:27  
Operator : CG/JU  
Sample : 02447-11 10X  
Misc :  
ALS Vial : 19 Sample Multiplier: 1

Instrument :  
BNA\_P  
ClientSampleId :  
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Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\SFAM-EPA-BP050323.MA.M  
Quant Title : SVOA CALIBRATION

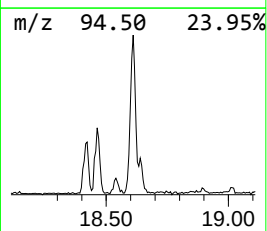
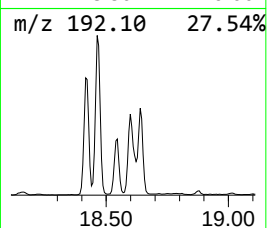
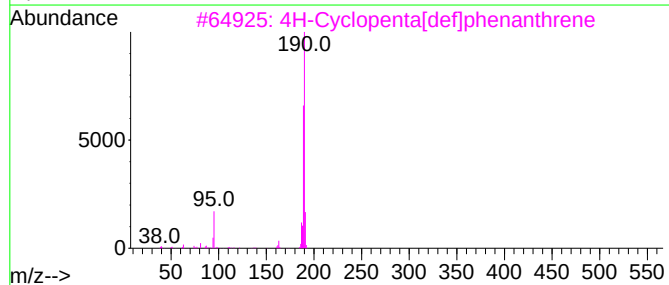
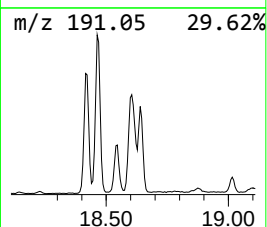
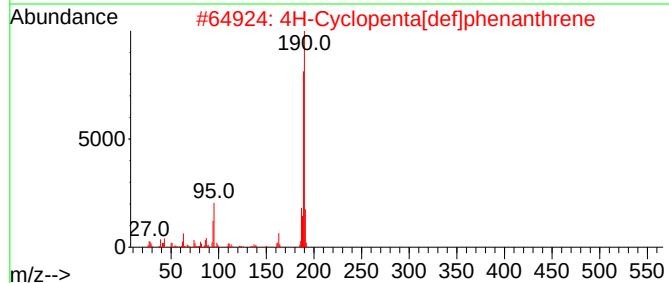
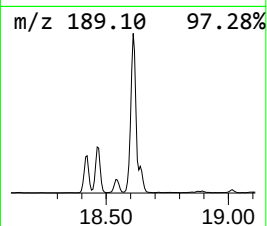
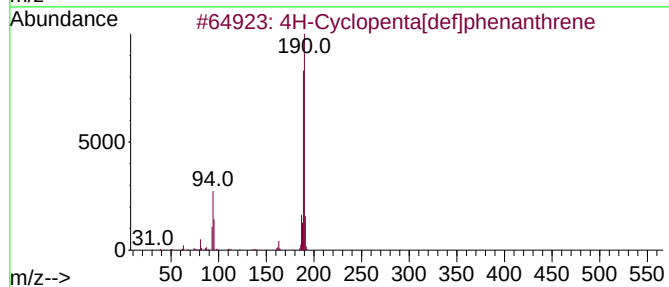
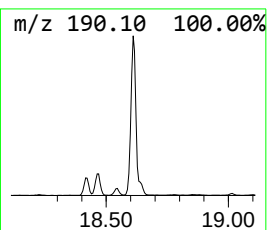
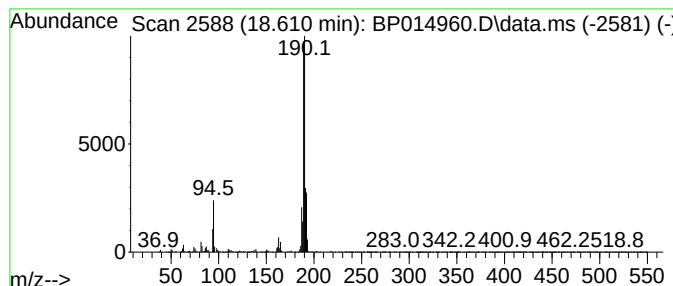
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TIC Integration Parameters: LSCINT.P

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Peak Number 5 4H-Cyclopenta[def]phenanthrene Concentration Rank 2

| R.T.   | EstConc     | Area    | Relative to ISTD | R.T.   |
|--------|-------------|---------|------------------|--------|
| 18.610 | 10.56 ng/ul | 1688370 | Phenanthrene-d10 | 17.563 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm    | CAS#        | Qual |
|------|----|---|-------------------------------------|-----|------------|-------------|------|
| 1    |    |   | 4H-Cyclopenta[def]phenanthrene      | 190 | C15H10     | 000203-64-5 | 94   |
| 2    |    |   | 4H-Cyclopenta[def]phenanthrene      | 190 | C15H10     | 000203-64-5 | 70   |
| 3    |    |   | 4H-Cyclopenta[def]phenanthrene      | 190 | C15H10     | 000203-64-5 | 68   |
| 4    |    |   | 6H-Cyclobuta[jk]phenanthrene        | 190 | C15H10     | 083469-43-6 | 64   |
| 5    |    |   | Thiophene-3-carboxaldehyde, 5-ch... | 190 | C5H4BClO3S | 036155-87-0 | 52   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP050423\  
Data File : BP014960.D  
Acq On : 04 May 2023 19:27  
Operator : CG/JU  
Sample : 02447-11 10X  
Misc :  
ALS Vial : 19 Sample Multiplier: 1

Instrument :  
BNA\_P  
ClientSampleId :  
EW917

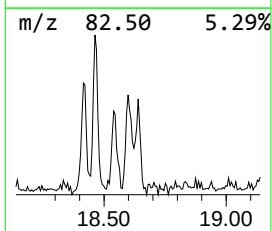
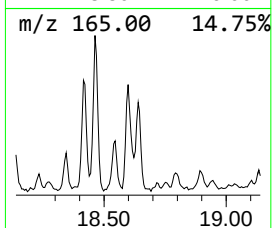
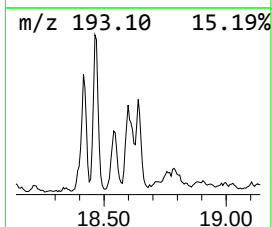
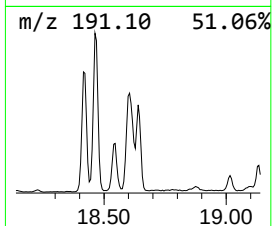
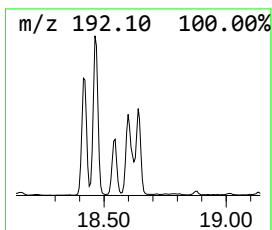
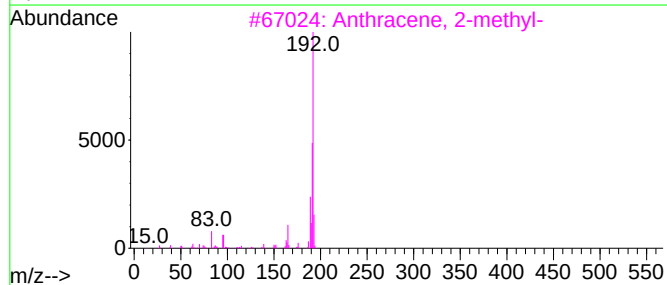
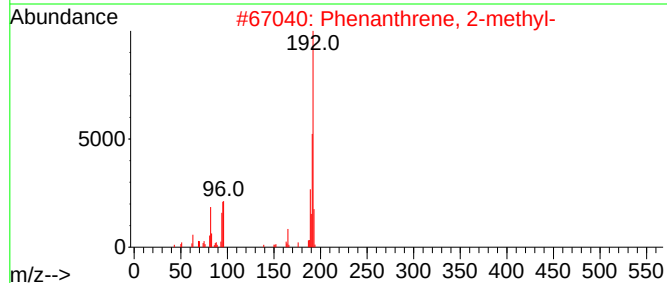
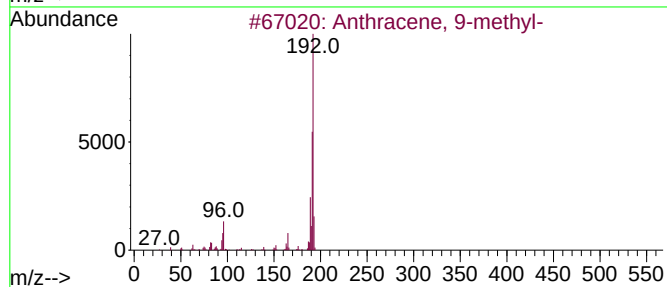
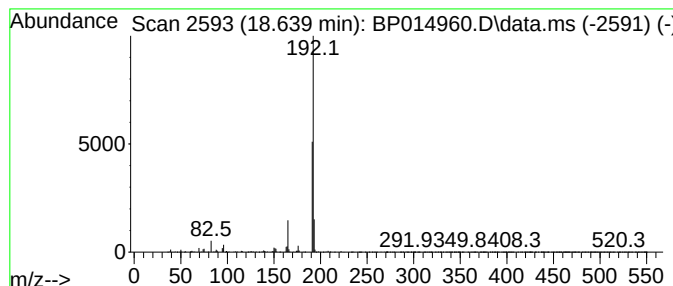
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Quant Title : SVOA CALIBRATION

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

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Peak Number 6 Anthracene, 9-methyl- Concentration Rank 9

| R.T.   | EstConc    | Area   | Relative to ISTD | R.T.   |
|--------|------------|--------|------------------|--------|
| 18.639 | 2.99 ng/ul | 477456 | Phenanthrene-d10 | 17.563 |

| Hit# | of 5 | Tentative ID                        | MW  | MolForm | CAS#        | Qual |
|------|------|-------------------------------------|-----|---------|-------------|------|
| 1    |      | Anthracene, 9-methyl-               | 192 | C15H12  | 000779-02-2 | 91   |
| 2    |      | Phenanthrene, 2-methyl-             | 192 | C15H12  | 002531-84-2 | 90   |
| 3    |      | Anthracene, 2-methyl-               | 192 | C15H12  | 000613-12-7 | 90   |
| 4    |      | 1H-Cyclopropa[1]phenanthrene,1a,... | 192 | C15H12  | 000949-41-7 | 87   |
| 5    |      | Phenanthrene, 9-methyl-             | 192 | C15H12  | 000883-20-5 | 87   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP050423\  
Data File : BP014960.D  
Acq On : 04 May 2023 19:27  
Operator : CG/JU  
Sample : 02447-11 10X  
Misc :  
ALS Vial : 19 Sample Multiplier: 1

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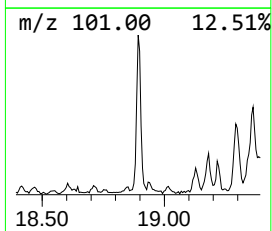
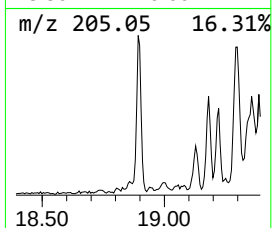
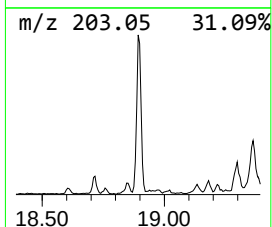
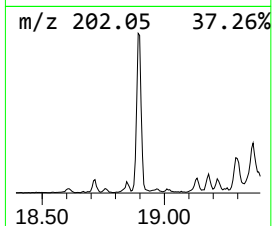
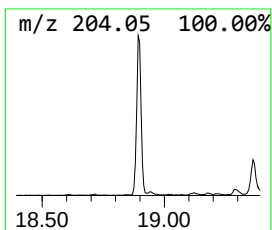
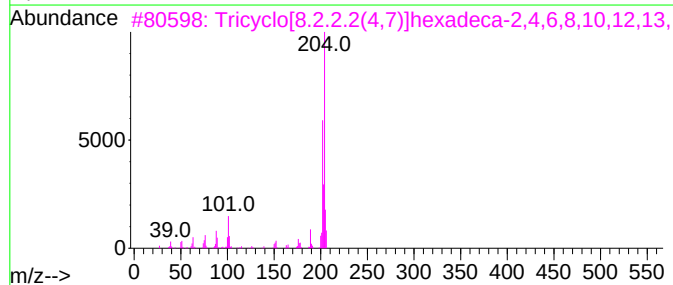
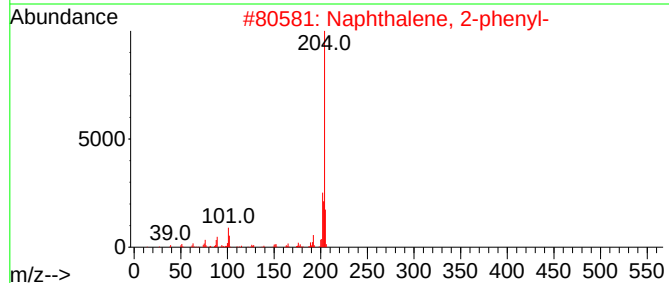
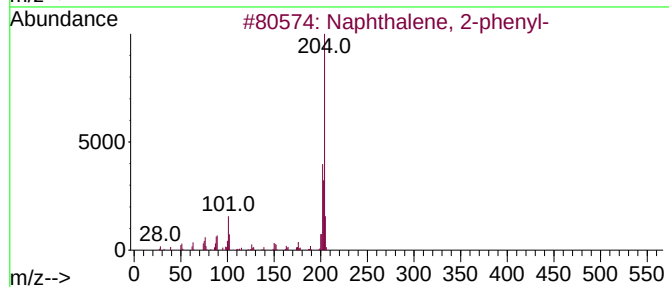
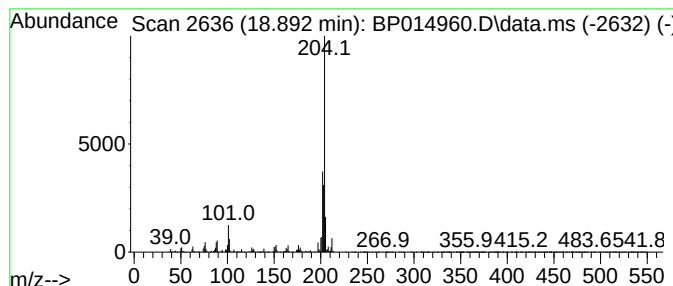
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Quant Title : SVOA CALIBRATION

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

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Peak Number 7 Naphthalene, 2-phenyl- Concentration Rank 10

| R.T.   | EstConc    | Area   | Relative to ISTD | R.T.   |
|--------|------------|--------|------------------|--------|
| 18.892 | 2.95 ng/ul | 471349 | Phenanthrene-d10 | 17.563 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm | CAS#        | Qual |
|------|----|---|-------------------------------------|-----|---------|-------------|------|
| 1    |    |   | Naphthalene, 2-phenyl-              | 204 | C16H12  | 000612-94-2 | 89   |
| 2    |    |   | Naphthalene, 2-phenyl-              | 204 | C16H12  | 000612-94-2 | 81   |
| 3    |    |   | Tricyclo[8.2.2.2(4,7)]hexadeca-2... | 204 | C16H12  | 006572-60-7 | 81   |
| 4    |    |   | Naphthalene, 2-phenyl-              | 204 | C16H12  | 000612-94-2 | 76   |
| 5    |    |   | Naphthalene, 2-phenyl-              | 204 | C16H12  | 000612-94-2 | 76   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP050423\  
Data File : BP014960.D  
Acq On : 04 May 2023 19:27  
Operator : CG/JU  
Sample : 02447-11 10X  
Misc :  
ALS Vial : 19 Sample Multiplier: 1

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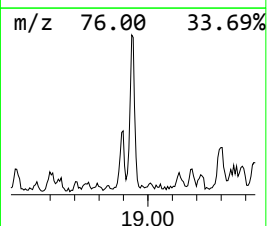
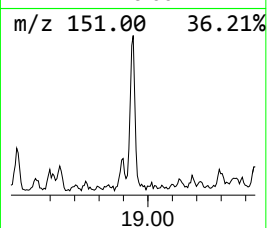
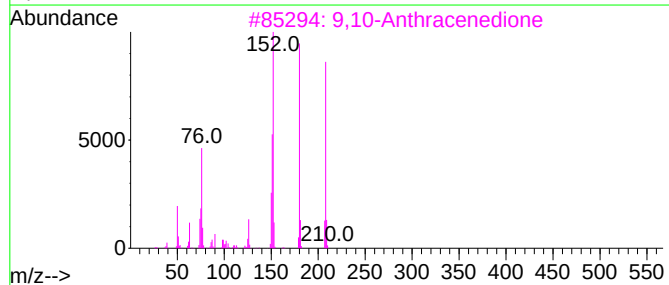
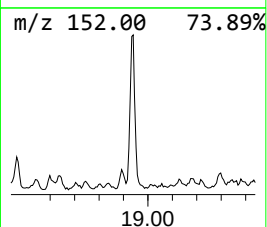
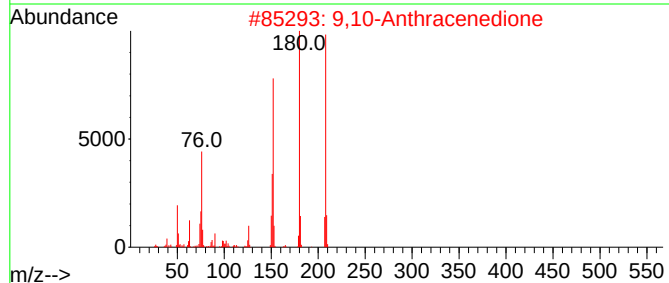
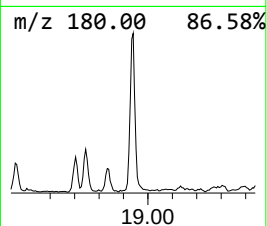
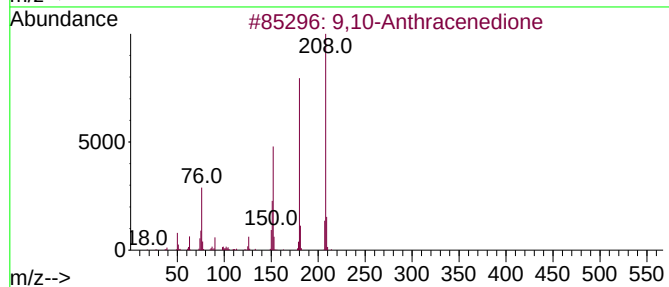
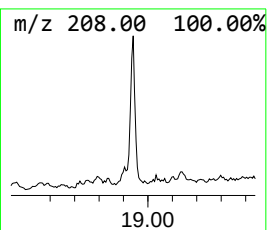
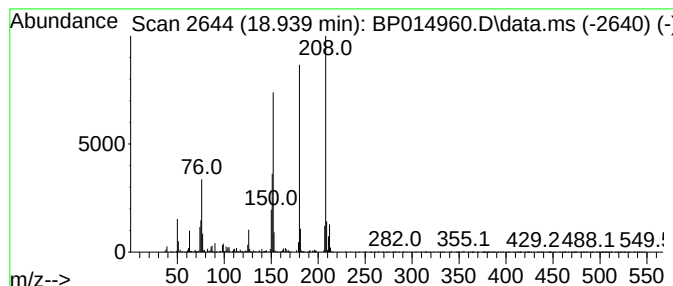
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Quant Title : SVOA CALIBRATION

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

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Peak Number 8 9,10-Anthracenedione Concentration Rank 16

| R.T.   | EstConc    | Area   | Relative to ISTD | R.T.   |
|--------|------------|--------|------------------|--------|
| 18.939 | 2.11 ng/ul | 337589 | Phenanthrene-d10 | 17.563 |

| Hit# | of | 5 | Tentative ID         | MW  | MolForm | CAS#        | Qual |
|------|----|---|----------------------|-----|---------|-------------|------|
| 1    |    |   | 9,10-Anthracenedione | 208 | C14H8O2 | 000084-65-1 | 93   |
| 2    |    |   | 9,10-Anthracenedione | 208 | C14H8O2 | 000084-65-1 | 93   |
| 3    |    |   | 9,10-Anthracenedione | 208 | C14H8O2 | 000084-65-1 | 93   |
| 4    |    |   | Benzo[c]cinoline     | 180 | C12H8N2 | 000230-17-1 | 92   |
| 5    |    |   | 9H-Fluoren-9-one     | 180 | C13H8O  | 000486-25-9 | 70   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP050423\  
Data File : BP014960.D  
Acq On : 04 May 2023 19:27  
Operator : CG/JU  
Sample : 02447-11 10X  
Misc :  
ALS Vial : 19 Sample Multiplier: 1

Instrument :  
BNA\_P  
ClientSampleId :  
EW917

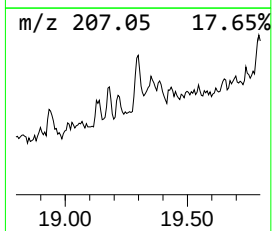
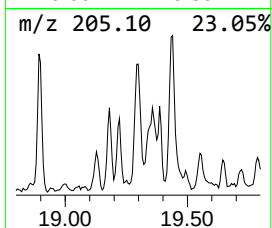
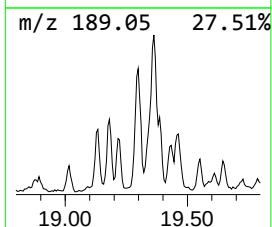
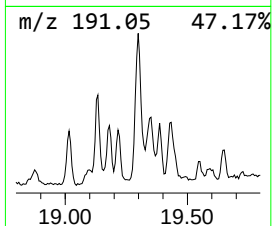
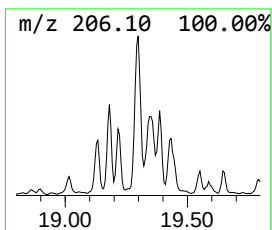
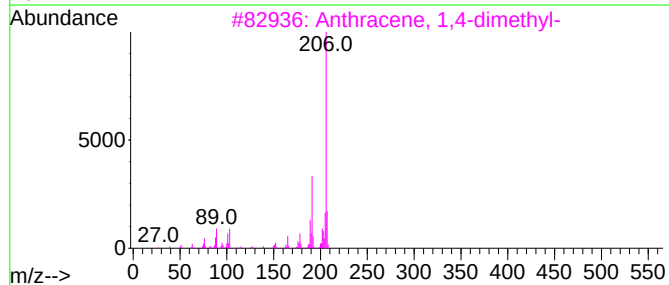
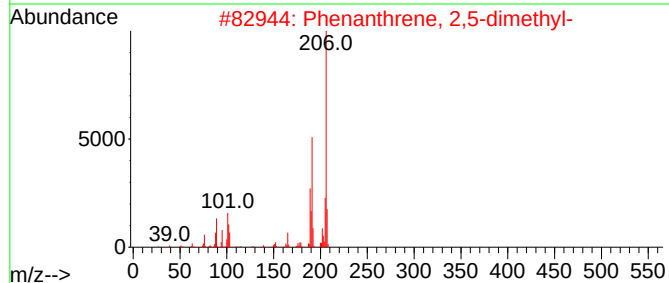
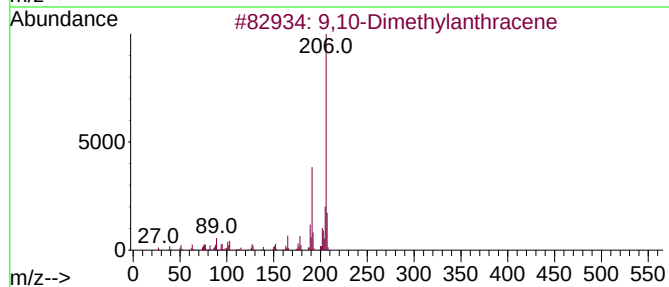
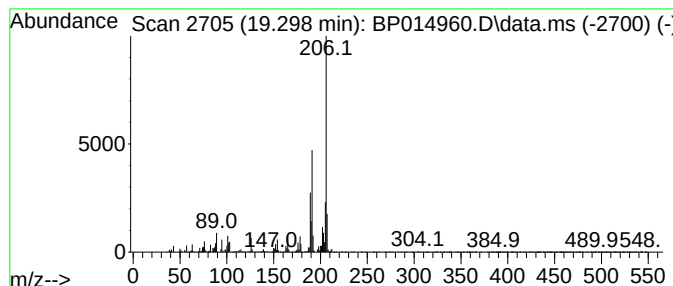
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Quant Title : SVOA CALIBRATION

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

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Peak Number 9 9,10-Dimethylantracene Concentration Rank 8

| R.T.   | EstConc    | Area   | Relative to ISTD | R.T.   |
|--------|------------|--------|------------------|--------|
| 19.298 | 3.45 ng/ul | 551658 | Phenanthrene-d10 | 17.563 |

| Hit# | of 5 | Tentative ID                | MW  | MolForm | CAS#        | Qual |
|------|------|-----------------------------|-----|---------|-------------|------|
| 1    |      | 9,10-Dimethylantracene      | 206 | C16H14  | 000781-43-1 | 96   |
| 2    |      | Phenanthrene, 2,5-dimethyl- | 206 | C16H14  | 003674-66-6 | 95   |
| 3    |      | Anthracene, 1,4-dimethyl-   | 206 | C16H14  | 000781-92-0 | 93   |
| 4    |      | 9,10-Dimethylantracene      | 206 | C16H14  | 000781-43-1 | 91   |
| 5    |      | 9,10-Dimethylantracene      | 206 | C16H14  | 000781-43-1 | 91   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP050423\  
Data File : BP014960.D  
Acq On : 04 May 2023 19:27  
Operator : CG/JU  
Sample : 02447-11 10X  
Misc :  
ALS Vial : 19 Sample Multiplier: 1

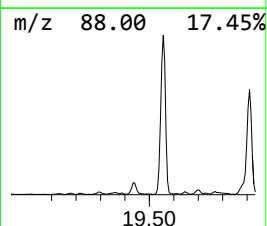
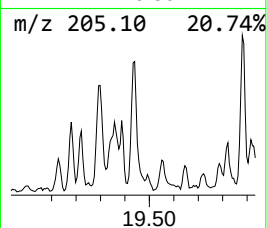
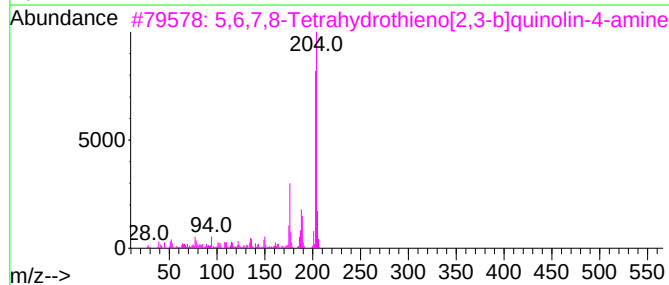
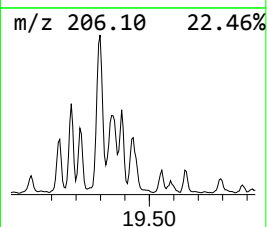
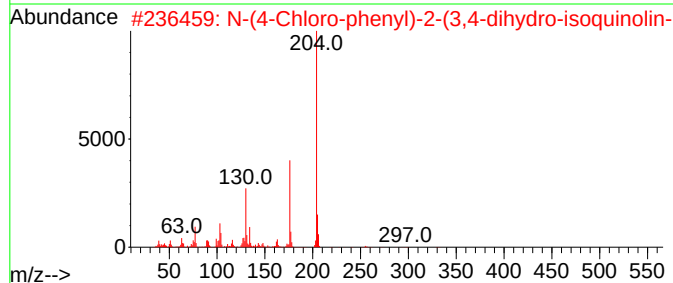
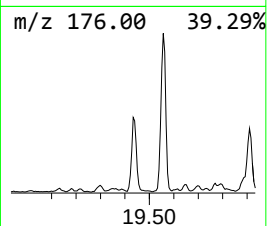
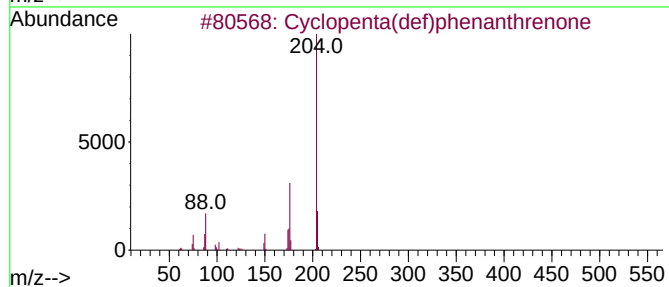
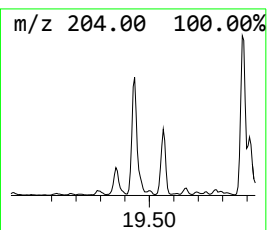
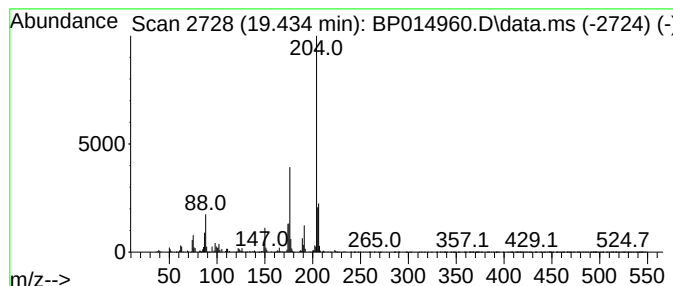
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BNA\_P  
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Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\SFAM-EPA-BP050323.MA.M  
Quant Title : SVOA CALIBRATION

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

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Peak Number 10 Cyclopenta(def)phenanthrenone Concentration Rank 7

| R.T.   | EstConc    | Area                                | Relative to ISTD |              | R.T.         |      |
|--------|------------|-------------------------------------|------------------|--------------|--------------|------|
| 19.433 | 4.10 ng/ul | 655954                              | Phenanthrene-d10 |              | 17.563       |      |
| Hit#   | of 5       | Tentative ID                        | MW               | MolForm      | CAS#         | Qual |
| 1      |            | Cyclopenta(def)phenanthrenone       | 204              | C15H8O       | 005737-13-3  | 97   |
| 2      |            | N-(4-Chloro-phenyl)-2-(3,4-dihyd... | 330              | C17H15ClN2OS | 1010296-34-3 | 47   |
| 3      |            | 5,6,7,8-Tetrahydrothieno[2,3-b]q... | 204              | C11H12N2S    | 122914-50-5  | 47   |
| 4      |            | 9-Acridinecarbonitrile              | 204              | C14H8N2      | 005326-19-2  | 38   |
| 5      |            | Tetracyano-p-quinodimethane         | 204              | C12H4N4      | 001518-16-7  | 38   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP050423\  
Data File : BP014960.D  
Acq On : 04 May 2023 19:27  
Operator : CG/JU  
Sample : 02447-11 10X  
Misc :  
ALS Vial : 19 Sample Multiplier: 1

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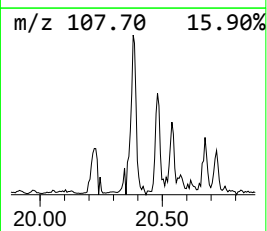
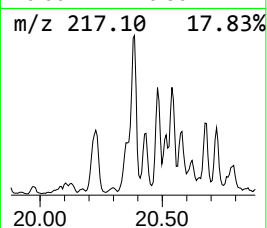
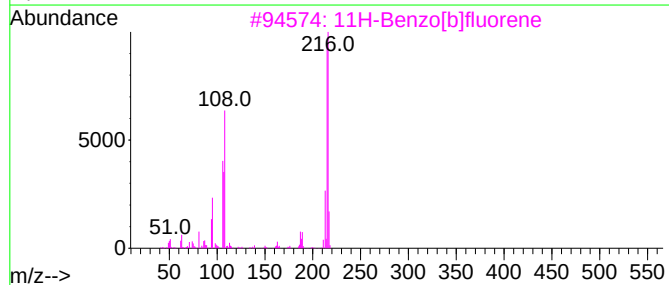
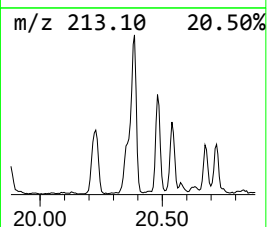
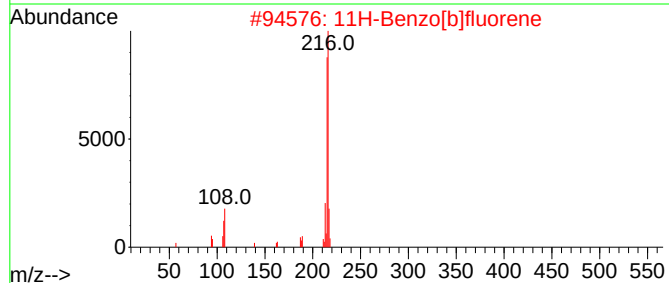
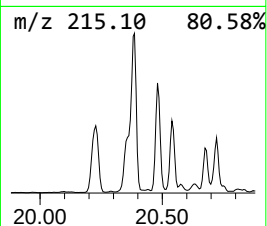
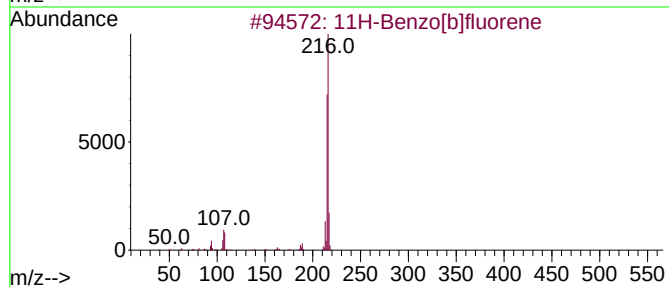
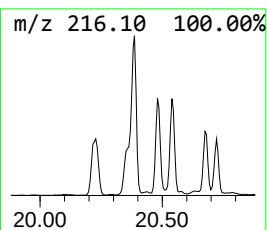
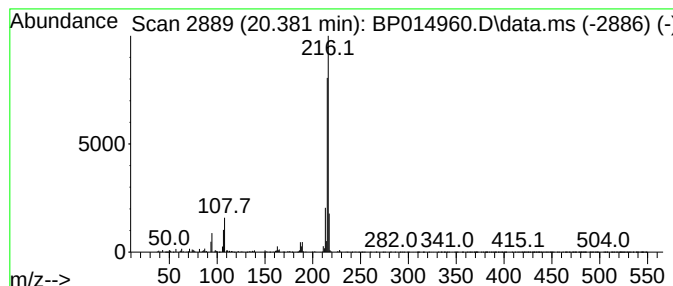
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Quant Title : SVOA CALIBRATION

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

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Peak Number 11 11H-Benzo[b]fluorene Concentration Rank 12

| R.T.   | EstConc    | Area    | Relative to ISTD | R.T.   |
|--------|------------|---------|------------------|--------|
| 20.381 | 2.49 ng/ul | 1376090 | Chrysene-d12     | 21.645 |

| Hit# | of | 5 | Tentative ID         | MW  | MolForm | CAS#        | Qual |
|------|----|---|----------------------|-----|---------|-------------|------|
| 1    |    |   | 11H-Benzo[b]fluorene | 216 | C17H12  | 000243-17-4 | 94   |
| 2    |    |   | 11H-Benzo[b]fluorene | 216 | C17H12  | 000243-17-4 | 91   |
| 3    |    |   | 11H-Benzo[b]fluorene | 216 | C17H12  | 000243-17-4 | 90   |
| 4    |    |   | Pyrene, 1-methyl-    | 216 | C17H12  | 002381-21-7 | 90   |
| 5    |    |   | 11H-Benzo[a]fluorene | 216 | C17H12  | 000238-84-6 | 87   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP050423\  
Data File : BP014960.D  
Acq On : 04 May 2023 19:27  
Operator : CG/JU  
Sample : 02447-11 10X  
Misc :  
ALS Vial : 19 Sample Multiplier: 1

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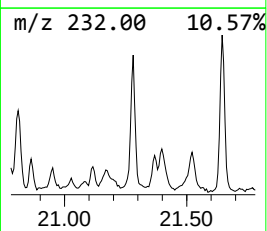
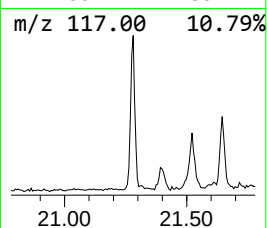
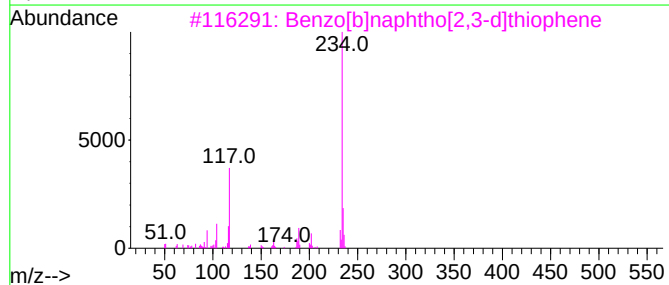
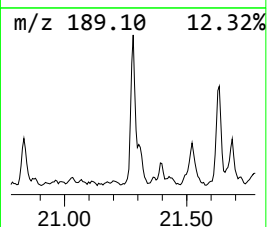
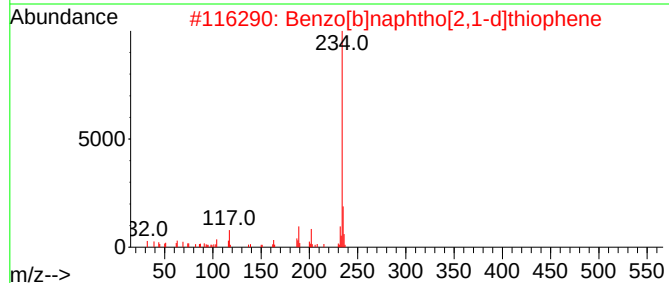
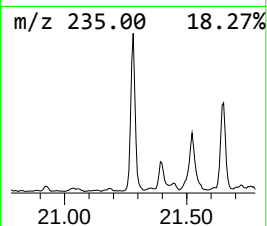
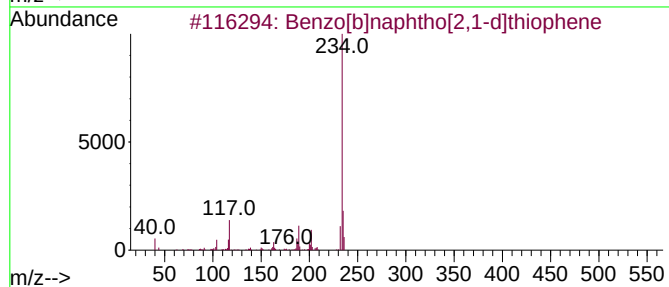
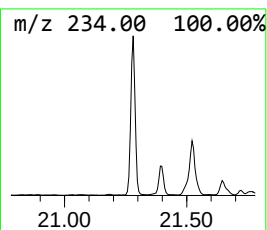
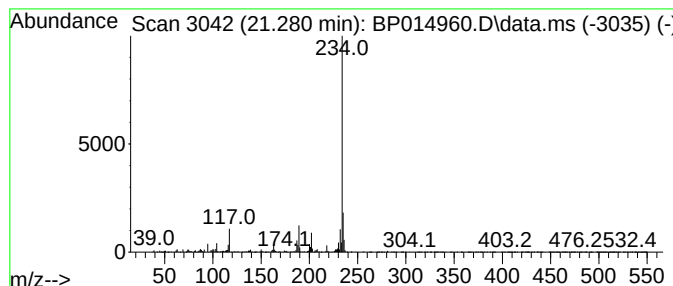
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Quant Title : SVOA CALIBRATION

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

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Peak Number 12 Benzo[b]naphtho[2,1-d]thiop... Concentration Rank 11

| R.T.      | EstConc                         | Area    | Relative to ISTD |         | R.T.        |      |
|-----------|---------------------------------|---------|------------------|---------|-------------|------|
| 21.281    | 2.94 ng/ul                      | 1619670 | Chrysene-d12     |         | 21.645      |      |
| Hit# of 5 | Tentative ID                    |         | MW               | MolForm | CAS#        | Qual |
| 1         | Benzo[b]naphtho[2,1-d]thiophene |         | 234              | C16H10S | 000239-35-0 | 98   |
| 2         | Benzo[b]naphtho[2,1-d]thiophene |         | 234              | C16H10S | 000239-35-0 | 98   |
| 3         | Benzo[b]naphtho[2,3-d]thiophene |         | 234              | C16H10S | 000243-46-9 | 95   |
| 4         | Benzo[b]naphtho[2,3-d]thiophene |         | 234              | C16H10S | 000243-46-9 | 95   |
| 5         | Anthra(2,3-b)thiophene          |         | 234              | C16H10S | 022108-55-0 | 95   |





Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP050423\  
Data File : BP014960.D  
Acq On : 04 May 2023 19:27  
Operator : CG/JU  
Sample : 02447-11 10X  
Misc :  
ALS Vial : 19 Sample Multiplier: 1

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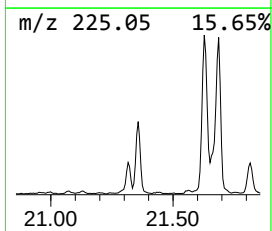
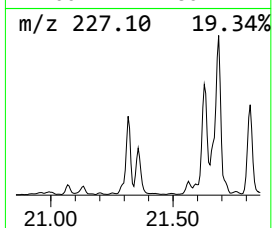
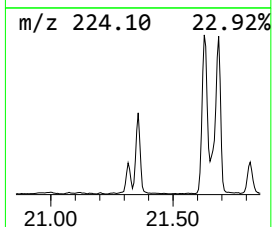
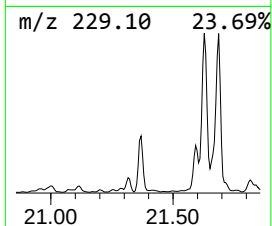
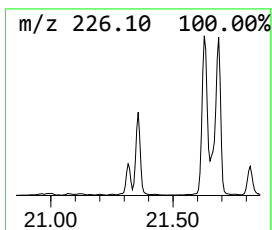
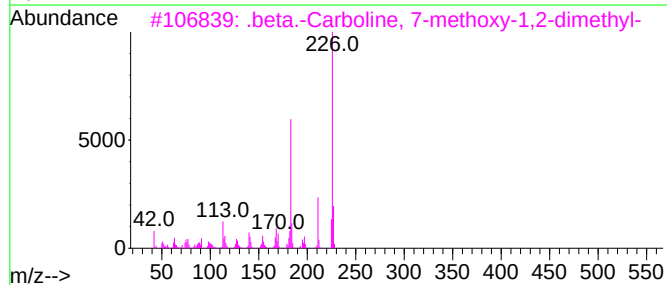
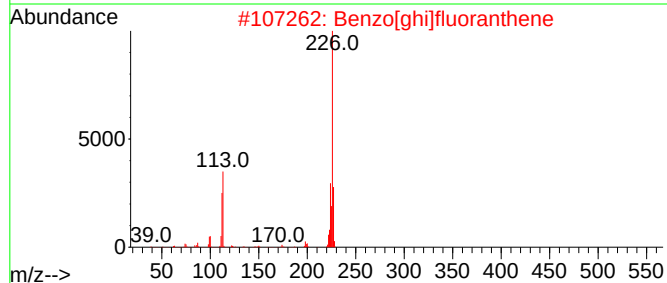
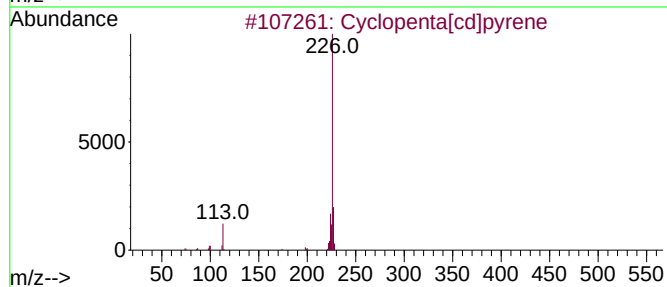
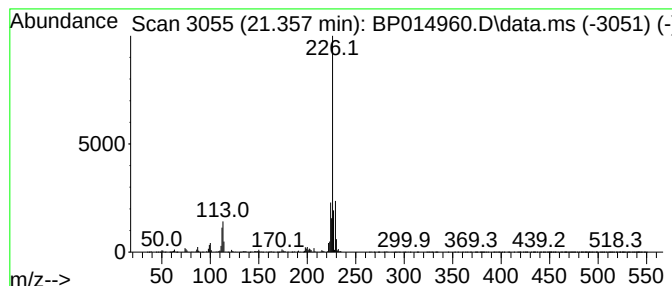
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Quant Title : SVOA CALIBRATION

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

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Peak Number 13 Cyclopenta[cd]pyrene Concentration Rank 14

| R.T.   | EstConc    | Area    | Relative to ISTD | R.T.   |
|--------|------------|---------|------------------|--------|
| 21.357 | 2.37 ng/ul | 1306830 | Chrysene-d12     | 21.645 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm   | CAS#         | Qual |
|------|----|---|-------------------------------------|-----|-----------|--------------|------|
| 1    |    |   | Cyclopenta[cd]pyrene                | 226 | C18H10    | 027208-37-3  | 64   |
| 2    |    |   | Benzo[ghi]fluoranthene              | 226 | C18H10    | 000203-12-3  | 53   |
| 3    |    |   | .beta.-Carboline, 7-methoxy-1,2-... | 226 | C14H14N2O | 006519-18-2  | 52   |
| 4    |    |   | benzenamine, 4-(2-benzothiazolyl)-  | 226 | C13H10N2S | 1000400-93-4 | 50   |
| 5    |    |   | 3-Hydroxy-4-methyl-6H-benzo[c]ch... | 226 | C14H10O3  | 076244-77-4  | 38   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP050423\  
Data File : BP014960.D  
Acq On : 04 May 2023 19:27  
Operator : CG/JU  
Sample : 02447-11 10X  
Misc :  
ALS Vial : 19 Sample Multiplier: 1

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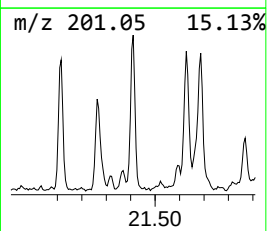
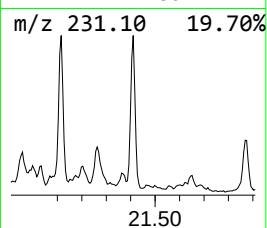
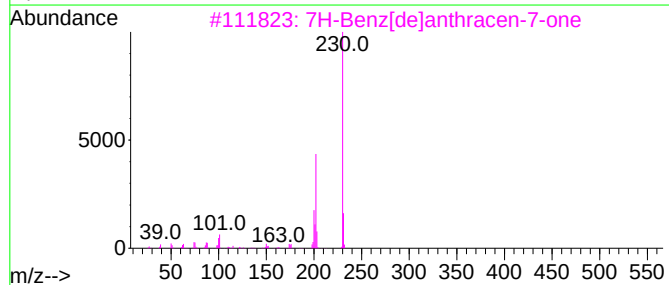
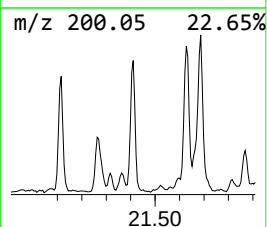
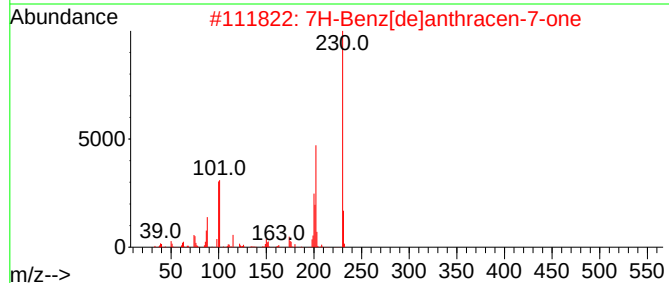
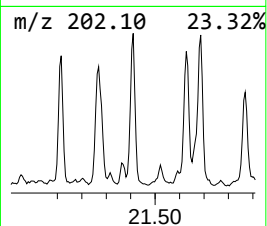
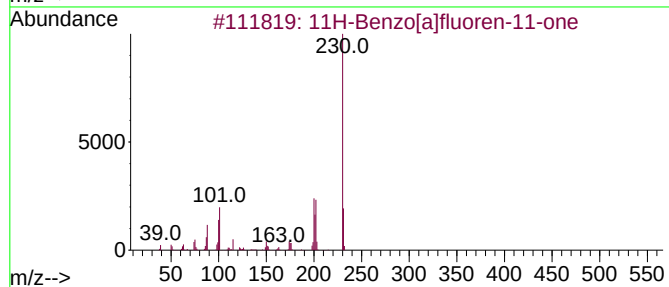
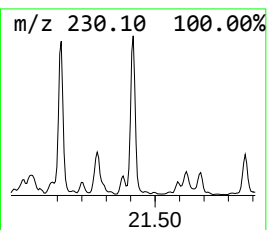
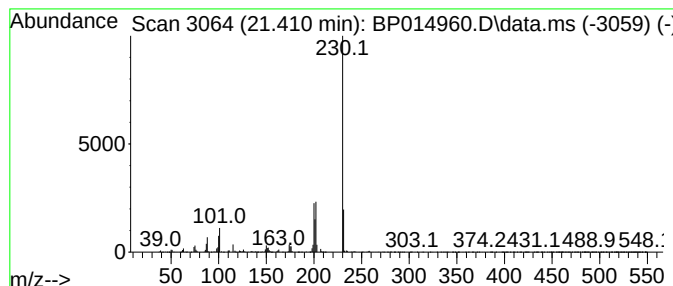
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Quant Title : SVOA CALIBRATION

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

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Peak Number 14 11H-Benzo[a]fluoren-11-one Concentration Rank 13

| R.T.   | EstConc    | Area    | Relative to ISTD | R.T.   |
|--------|------------|---------|------------------|--------|
| 21.410 | 2.47 ng/ul | 1363990 | Chrysene-d12     | 21.645 |

| Hit# | of | 5 | Tentative ID               | MW  | MolForm | CAS#        | Qual |
|------|----|---|----------------------------|-----|---------|-------------|------|
| 1    |    |   | 11H-Benzo[a]fluoren-11-one | 230 | C17H10O | 000479-79-8 | 95   |
| 2    |    |   | 7H-Benz[de]anthracen-7-one | 230 | C17H10O | 000082-05-3 | 91   |
| 3    |    |   | 7H-Benz[de]anthracen-7-one | 230 | C17H10O | 000082-05-3 | 87   |
| 4    |    |   | 1-Pyrenecarboxaldehyde     | 230 | C17H10O | 003029-19-4 | 78   |
| 5    |    |   | 7H-Benz[de]anthracen-7-one | 230 | C17H10O | 000082-05-3 | 68   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP050423\  
Data File : BP014960.D  
Acq On : 04 May 2023 19:27  
Operator : CG/JU  
Sample : 02447-11 10X  
Misc :  
ALS Vial : 19 Sample Multiplier: 1

Instrument :  
BNA\_P  
ClientSampleId :  
EW917

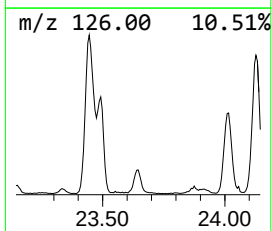
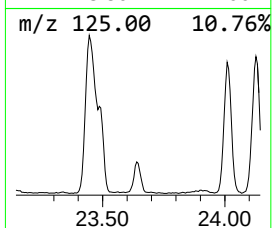
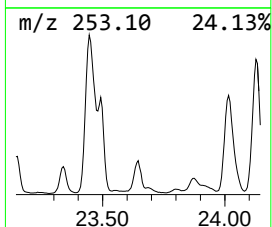
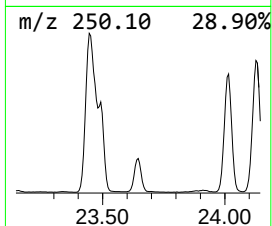
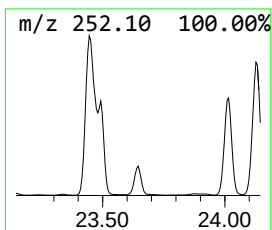
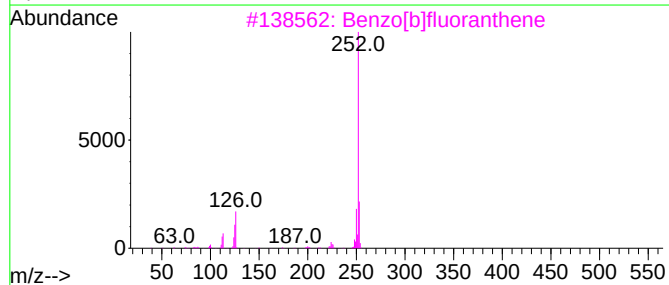
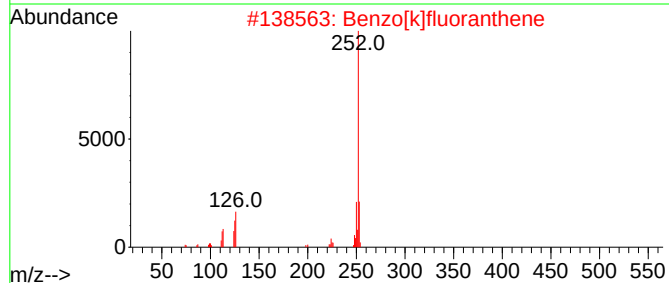
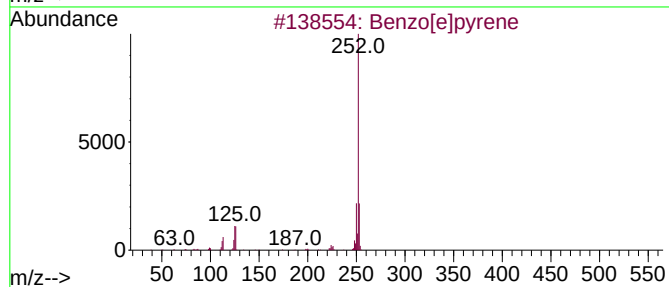
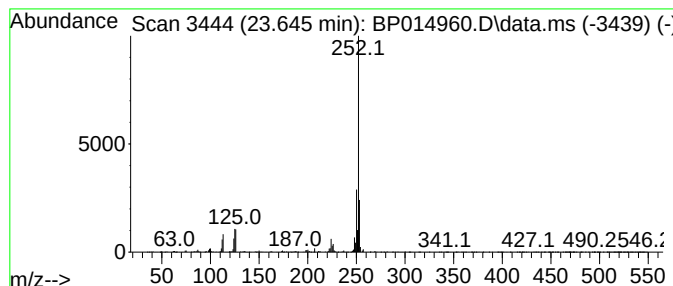
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Quant Title : SVOA CALIBRATION

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

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Peak Number 15 Benzo[e]pyrene Concentration Rank 5

| R.T.   | EstConc    | Area    | Relative to ISTD | R.T.   |
|--------|------------|---------|------------------|--------|
| 23.645 | 5.54 ng/ul | 1127950 | Perylene-d12     | 24.245 |

| Hit# | of | 5 | Tentative ID         | MW  | MolForm | CAS#        | Qual |
|------|----|---|----------------------|-----|---------|-------------|------|
| 1    |    |   | Benzo[e]pyrene       | 252 | C20H12  | 000192-97-2 | 98   |
| 2    |    |   | Benzo[k]fluoranthene | 252 | C20H12  | 000207-08-9 | 95   |
| 3    |    |   | Benzo[b]fluoranthene | 252 | C20H12  | 000205-99-2 | 94   |
| 4    |    |   | Benzo[j]fluoranthene | 252 | C20H12  | 000205-82-3 | 93   |
| 5    |    |   | Benzo[k]fluoranthene | 252 | C20H12  | 000207-08-9 | 93   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP050423\  
Data File : BP014960.D  
Acq On : 04 May 2023 19:27  
Operator : CG/JU  
Sample : 02447-11 10X  
Misc :  
ALS Vial : 19 Sample Multiplier: 1

Instrument :  
BNA\_P  
ClientSampleId :  
EW917

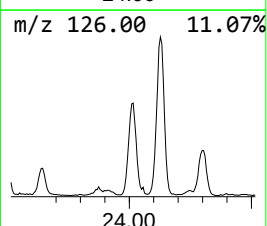
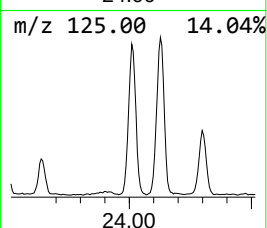
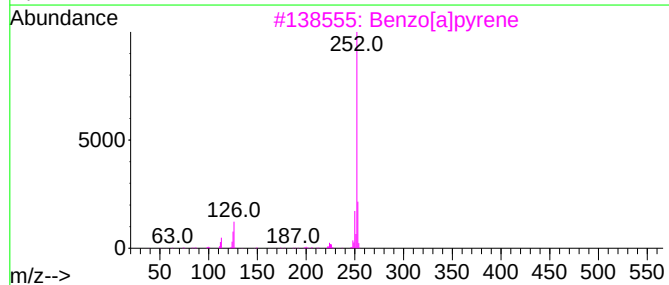
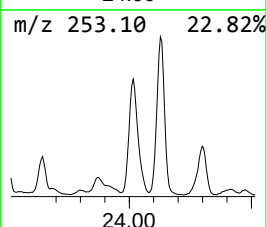
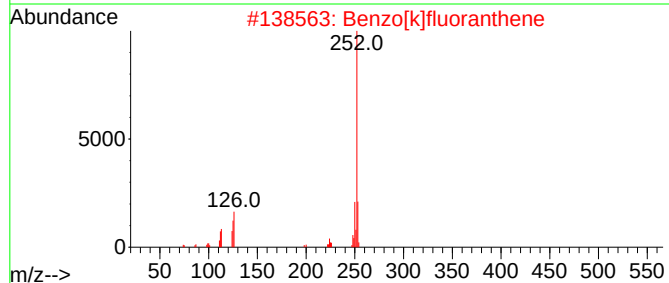
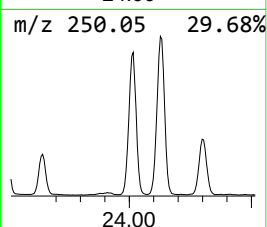
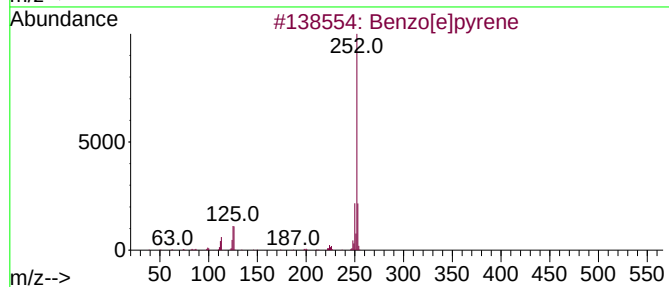
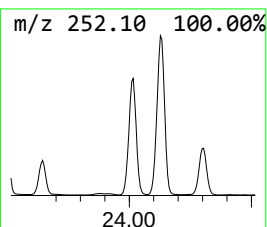
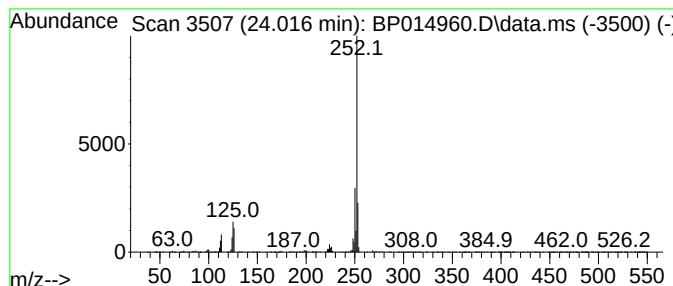
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\SFAM-EPA-BP050323.MA.M  
Quant Title : SVOA CALIBRATION

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

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Peak Number 16 Perylene Concentration Rank 1

| R.T.   | EstConc     | Area    | Relative to ISTD | R.T.   |
|--------|-------------|---------|------------------|--------|
| 24.016 | 21.00 ng/ul | 4271400 | Perylene-d12     | 24.245 |

| Hit# | of 5 | Tentative ID         | MW  | MolForm | CAS#        | Qual |
|------|------|----------------------|-----|---------|-------------|------|
| 1    |      | Benzo[e]pyrene       | 252 | C20H12  | 000192-97-2 | 99   |
| 2    |      | Benzo[k]fluoranthene | 252 | C20H12  | 000207-08-9 | 98   |
| 3    |      | Benzo[a]pyrene       | 252 | C20H12  | 000050-32-8 | 97   |
| 4    |      | Perylene             | 252 | C20H12  | 000198-55-0 | 95   |
| 5    |      | Benzo[b]fluoranthene | 252 | C20H12  | 000205-99-2 | 94   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP050423\  
Data File : BP014960.D  
Acq On : 04 May 2023 19:27  
Operator : CG/JU  
Sample : 02447-11 10X  
Misc :  
ALS Vial : 19 Sample Multiplier: 1

Instrument :  
BNA\_P  
ClientSampleId :  
EW917

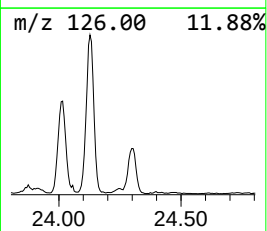
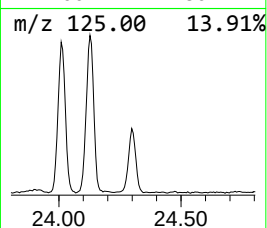
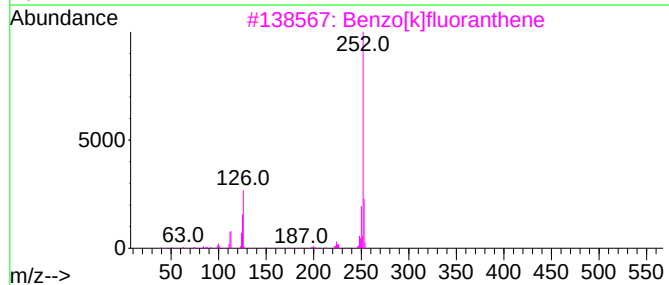
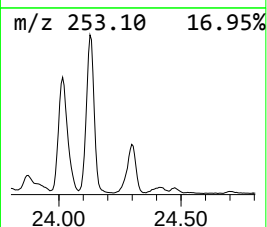
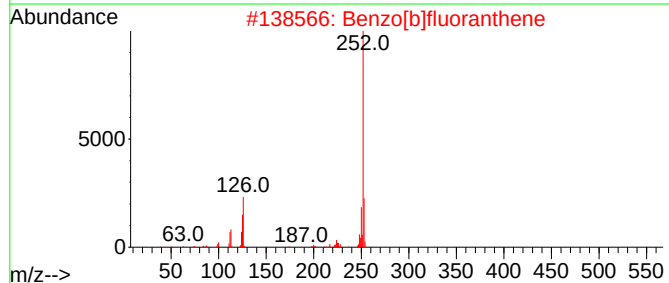
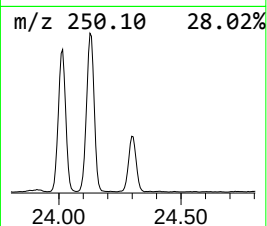
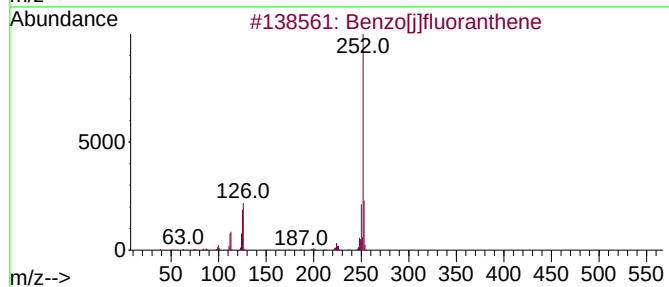
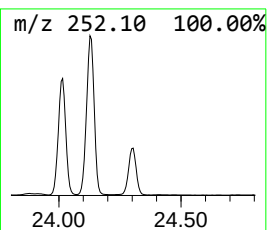
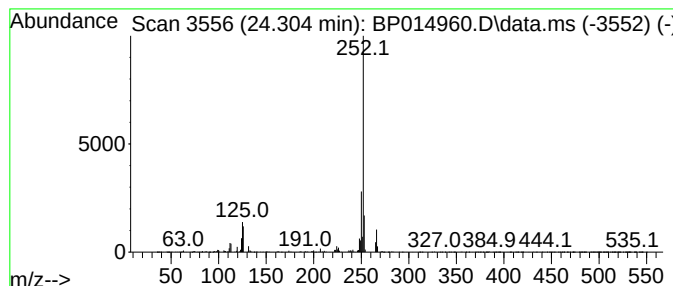
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\SFAM-EPA-BP050323.MA.M  
Quant Title : SVOA CALIBRATION

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

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Peak Number 17 Benzo[j]fluoranthene Concentration Rank 3

| R.T.   | EstConc    | Area    | Relative to ISTD | R.T.   |
|--------|------------|---------|------------------|--------|
| 24.304 | 9.41 ng/ul | 1914170 | Perylene-d12     | 24.245 |

| Hit# | of 5 | Tentative ID         | MW  | MolForm | CAS#        | Qual |
|------|------|----------------------|-----|---------|-------------|------|
| 1    |      | Benzo[j]fluoranthene | 252 | C20H12  | 000205-82-3 | 89   |
| 2    |      | Benzo[b]fluoranthene | 252 | C20H12  | 000205-99-2 | 89   |
| 3    |      | Benzo[k]fluoranthene | 252 | C20H12  | 000207-08-9 | 89   |
| 4    |      | Benzo[e]pyrene       | 252 | C20H12  | 000192-97-2 | 86   |
| 5    |      | Benzo[e]pyrene       | 252 | C20H12  | 000192-97-2 | 86   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP050423\  
 Data File : BP014960.D  
 Acq On : 04 May 2023 19:27  
 Operator : CG/JU  
 Sample : 02447-11 10X  
 Misc :  
 ALS Vial : 19 Sample Multiplier: 1

Instrument :  
 BNA\_P  
 ClientSampleId :  
 EW917

Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\SFAM-EPA-BP050323.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 |
| Dibenzothiophene   | 17.381 | 2.0     | ng/ul | 324892   | 4                     | 17.563 | 3198730  | 20.0 |
| Phenanthrene, 2... | 18.416 | 4.9     | ng/ul | 790357   | 4                     | 17.563 | 3198730  | 20.0 |
| Phenanthrene, 1... | 18.463 | 6.7     | ng/ul | 1064970  | 4                     | 17.563 | 3198730  | 20.0 |
| 1H-Cyclopropa[l... | 18.545 | 2.2     | ng/ul | 347062   | 4                     | 17.563 | 3198730  | 20.0 |
| 4H-Cyclopenta[d... | 18.610 | 10.6    | ng/ul | 1688370  | 4                     | 17.563 | 3198730  | 20.0 |
| Anthracene, 9-m... | 18.639 | 3.0     | ng/ul | 477456   | 4                     | 17.563 | 3198730  | 20.0 |
| Naphthalene, 2-... | 18.892 | 3.0     | ng/ul | 471349   | 4                     | 17.563 | 3198730  | 20.0 |
| 9,10-Anthracene... | 18.939 | 2.1     | ng/ul | 337589   | 4                     | 17.563 | 3198730  | 20.0 |
| 9,10-Dimethylan... | 19.298 | 3.5     | ng/ul | 551658   | 4                     | 17.563 | 3198730  | 20.0 |
| Cyclopenta(def)... | 19.433 | 4.1     | ng/ul | 655954   | 4                     | 17.563 | 3198730  | 20.0 |
| 11H-Benzo[b]flu... | 20.381 | 2.5     | ng/ul | 1376090  | 5                     | 21.645 | 11035400 | 20.0 |
| Benzo[b]naphtho... | 21.281 | 2.9     | ng/ul | 1619670  | 5                     | 21.645 | 11035400 | 20.0 |
| Cyclopenta[cd]p... | 21.357 | 2.4     | ng/ul | 1306830  | 5                     | 21.645 | 11035400 | 20.0 |
| 11H-Benzo[a]flu... | 21.410 | 2.5     | ng/ul | 1363990  | 5                     | 21.645 | 11035400 | 20.0 |
| Benzo[e]pyrene     | 23.645 | 5.5     | ng/ul | 1127950  | 6                     | 24.245 | 4068460  | 20.0 |
| Perylene           | 24.016 | 21.0    | ng/ul | 4271400  | 6                     | 24.245 | 4068460  | 20.0 |
| Benzo[j]fluoran... | 24.304 | 9.4     | ng/ul | 1914170  | 6                     | 24.245 | 4068460  | 20.0 |