

Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP070323\  
 Data File : BP015946.D  
 Acq On : 03 Jul 2023 12:13  
 Operator : MA/JU  
 Sample : 03242-18DL 5X  
 Misc :  
 ALS Vial : 26 Sample Multiplier: 1

Instrument :  
 BNA\_P  
 ClientSampleId :  
 DCGB9DL

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-BP062623.MA.M  
 Title : SVOA CALIBRATION

Signal : TIC: BP015946.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         | 3.922       | 120           | 125         | 132          | rBV      | 96493          | 134155        | 1.60%           | 0.160%        |
| 2         | 4.140       | 158           | 162         | 166          | rVB2     | 18272          | 23323         | 0.28%           | 0.028%        |
| 3         | 4.716       | 257           | 260         | 266          | rVB3     | 16909          | 26827         | 0.32%           | 0.032%        |
| 4         | 6.681       | 590           | 594         | 599          | rBV2     | 19093          | 28775         | 0.34%           | 0.034%        |
| 5         | 7.322       | 695           | 703         | 704          | rBV4     | 20234          | 45099         | 0.54%           | 0.054%        |
| 6         | 7.410       | 712           | 718         | 725          | rBV4     | 13535          | 39633         | 0.47%           | 0.047%        |
| 7         | 7.640       | 751           | 757         | 764          | rBV3     | 33761          | 91240         | 1.08%           | 0.109%        |
| 8         | 8.052       | 820           | 827         | 858          | rBV      | 400741         | 1218241       | 14.48%          | 1.454%        |
| 9         | 8.904       | 962           | 972         | 973          | rBV7     | 18661          | 38522         | 0.46%           | 0.046%        |
| 10        | 8.952       | 975           | 980         | 1005         | rVB3     | 45247          | 206893        | 2.46%           | 0.247%        |
| 11        | 9.322       | 1033          | 1043        | 1046         | rBV5     | 17345          | 54168         | 0.64%           | 0.065%        |
| 12        | 10.057      | 1158          | 1168        | 1169         | rBV10    | 13318          | 28855         | 0.34%           | 0.034%        |
| 13        | 10.663      | 1261          | 1271        | 1273         | rBV7     | 26273          | 62106         | 0.74%           | 0.074%        |
| 14        | 10.887      | 1300          | 1309        | 1337         | rBV2     | 608463         | 2279985       | 27.11%          | 2.722%        |
| 15        | 12.575      | 1589          | 1596        | 1610         | rBV      | 53703          | 152935        | 1.82%           | 0.183%        |
| 16        | 12.781      | 1622          | 1631        | 1641         | rBV      | 40995          | 99175         | 1.18%           | 0.118%        |
| 17        | 13.587      | 1758          | 1768        | 1778         | rVV3     | 36917          | 96820         | 1.15%           | 0.116%        |
| 18        | 13.910      | 1814          | 1823        | 1830         | rBV4     | 20099          | 72943         | 0.87%           | 0.087%        |
| 19        | 14.034      | 1835          | 1844        | 1849         | rVV2     | 32496          | 72368         | 0.86%           | 0.086%        |
| 20        | 14.087      | 1850          | 1853        | 1856         | rVV4     | 17254          | 29667         | 0.35%           | 0.035%        |
| 21        | 14.134      | 1856          | 1861        | 1871         | rVB      | 99561          | 208255        | 2.48%           | 0.249%        |
| 22        | 14.292      | 1884          | 1888        | 1895         | rVB6     | 16173          | 27276         | 0.32%           | 0.033%        |
| 23        | 14.404      | 1900          | 1907        | 1910         | rBV      | 139426         | 257011        | 3.06%           | 0.307%        |
| 24        | 14.704      | 1951          | 1958        | 1965         | rVV      | 1287806        | 2366647       | 28.14%          | 2.826%        |
| 25        | 14.769      | 1965          | 1969        | 1986         | rVV      | 286208         | 586781        | 6.98%           | 0.701%        |
| 26        | 14.916      | 1989          | 1994        | 2003         | rVV8     | 18959          | 47108         | 0.56%           | 0.056%        |
| 27        | 15.010      | 2004          | 2010        | 2015         | rVV6     | 14078          | 25445         | 0.30%           | 0.030%        |
| 28        | 15.122      | 2021          | 2029        | 2036         | rBV      | 124745         | 257491        | 3.06%           | 0.307%        |
| 29        | 15.186      | 2038          | 2040        | 2049         | rVB2     | 18146          | 35970         | 0.43%           | 0.043%        |
| 30        | 15.328      | 2059          | 2064        | 2068         | rBV6     | 13174          | 23817         | 0.28%           | 0.028%        |
| 31        | 15.386      | 2070          | 2074        | 2082         | rVB2     | 15110          | 29821         | 0.35%           | 0.036%        |
| 32        | 15.710      | 2122          | 2129        | 2134         | rBV      | 181191         | 316684        | 3.77%           | 0.378%        |
| 33        | 15.763      | 2134          | 2138        | 2150         | rVB      | 217499         | 408376        | 4.86%           | 0.488%        |
| 34        | 15.881      | 2150          | 2158        | 2161         | rBV2     | 34281          | 70333         | 0.84%           | 0.084%        |
| 35        | 15.922      | 2161          | 2165        | 2170         | rVV2     | 46454          | 78183         | 0.93%           | 0.093%        |
| 36        | 16.016      | 2177          | 2181        | 2184         | rVV2     | 21765          | 36038         | 0.43%           | 0.043%        |

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 Title : SVOA CALIBRATION

|    |        |      |      |      |      |         |         |        |        |
|----|--------|------|------|------|------|---------|---------|--------|--------|
| 37 | 16.063 | 2184 | 2189 | 2199 | rVB2 | 55194   | 132629  | 1.58%  | 0.158% |
| 38 | 16.210 | 2208 | 2214 | 2226 | rBV2 | 49721   | 126045  | 1.50%  | 0.150% |
| 39 | 16.304 | 2226 | 2230 | 2237 | rVB8 | 19946   | 35772   | 0.43%  | 0.043% |
| 40 | 16.398 | 2240 | 2246 | 2249 | rBV8 | 15538   | 28798   | 0.34%  | 0.034% |
| 41 | 16.469 | 2254 | 2258 | 2265 | rBV3 | 21468   | 34751   | 0.41%  | 0.041% |
| 42 | 16.769 | 2297 | 2309 | 2313 | rBV3 | 57243   | 157271  | 1.87%  | 0.188% |
| 43 | 16.816 | 2314 | 2317 | 2321 | rVB  | 23951   | 32969   | 0.39%  | 0.039% |
| 44 | 16.986 | 2338 | 2346 | 2349 | rBV3 | 31513   | 65903   | 0.78%  | 0.079% |
| 45 | 17.028 | 2349 | 2353 | 2361 | rVB4 | 36312   | 69505   | 0.83%  | 0.083% |
| 46 | 17.145 | 2368 | 2373 | 2377 | rBV  | 95750   | 156850  | 1.86%  | 0.187% |
| 47 | 17.204 | 2377 | 2383 | 2389 | rVV3 | 58104   | 132324  | 1.57%  | 0.158% |
| 48 | 17.281 | 2391 | 2396 | 2402 | rVB  | 140903  | 211883  | 2.52%  | 0.253% |
| 49 | 17.457 | 2420 | 2426 | 2430 | rBV  | 1647077 | 2583048 | 30.71% | 3.084% |
| 50 | 17.504 | 2430 | 2434 | 2441 | rVV  | 2767820 | 4324760 | 51.42% | 5.163% |
| 51 | 17.569 | 2441 | 2445 | 2447 | rVV  | 254431  | 404145  | 4.81%  | 0.483% |
| 52 | 17.604 | 2447 | 2451 | 2460 | rVV  | 655891  | 1151915 | 13.70% | 1.375% |
| 53 | 17.680 | 2461 | 2464 | 2471 | rVB  | 54034   | 102660  | 1.22%  | 0.123% |
| 54 | 17.880 | 2491 | 2498 | 2510 | rBV2 | 377386  | 795257  | 9.46%  | 0.949% |
| 55 | 17.969 | 2510 | 2513 | 2516 | rVV  | 28958   | 37447   | 0.45%  | 0.045% |
| 56 | 18.175 | 2544 | 2548 | 2555 | rBV4 | 31257   | 78595   | 0.93%  | 0.094% |
| 57 | 18.322 | 2567 | 2573 | 2578 | rBV  | 319929  | 519768  | 6.18%  | 0.621% |
| 58 | 18.375 | 2578 | 2582 | 2591 | rVV  | 377631  | 592988  | 7.05%  | 0.708% |
| 59 | 18.457 | 2591 | 2596 | 2600 | rVV  | 136665  | 204610  | 2.43%  | 0.244% |
| 60 | 18.516 | 2600 | 2606 | 2609 | rVV2 | 481246  | 805739  | 9.58%  | 0.962% |
| 61 | 18.545 | 2609 | 2611 | 2621 | rVV  | 187127  | 290201  | 3.45%  | 0.346% |
| 62 | 18.627 | 2621 | 2625 | 2628 | rVB3 | 34286   | 50031   | 0.59%  | 0.060% |
| 63 | 18.675 | 2629 | 2633 | 2636 | rBV2 | 43369   | 59009   | 0.70%  | 0.070% |
| 64 | 18.798 | 2650 | 2654 | 2659 | rBV  | 202098  | 294313  | 3.50%  | 0.351% |
| 65 | 18.869 | 2662 | 2666 | 2672 | rVV  | 159801  | 253617  | 3.02%  | 0.303% |
| 66 | 19.033 | 2691 | 2694 | 2698 | rBV3 | 65284   | 85782   | 1.02%  | 0.102% |
| 67 | 19.086 | 2700 | 2703 | 2705 | rBV2 | 50997   | 56760   | 0.67%  | 0.068% |
| 68 | 19.198 | 2718 | 2722 | 2726 | rBV  | 173750  | 248852  | 2.96%  | 0.297% |
| 69 | 19.327 | 2742 | 2744 | 2746 | rBV3 | 45896   | 47207   | 0.56%  | 0.056% |
| 70 | 19.363 | 2747 | 2750 | 2759 | rVB  | 193923  | 292342  | 3.48%  | 0.349% |
| 71 | 19.463 | 2761 | 2767 | 2774 | rBV  | 5481376 | 7570655 | 90.01% | 9.039% |
| 72 | 19.698 | 2800 | 2807 | 2810 | rBV2 | 208629  | 363950  | 4.33%  | 0.435% |
| 73 | 19.786 | 2817 | 2822 | 2823 | rBV3 | 1181895 | 1452622 | 17.27% | 1.734% |
| 74 | 19.816 | 2823 | 2827 | 2835 | rVV  | 4387988 | 6182168 | 73.51% | 7.381% |
| 75 | 19.886 | 2835 | 2839 | 2845 | rVB  | 195162  | 290423  | 3.45%  | 0.347% |
| 76 | 19.992 | 2853 | 2857 | 2861 | rBV  | 234799  | 302014  | 3.59%  | 0.361% |

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Integration Parameters: LSCINT.P

Integrator: RTE

Smoothing : OFF

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 Title : SVOA CALIBRATION

|     |        |      |      |      |      |         |         |         |         |
|-----|--------|------|------|------|------|---------|---------|---------|---------|
| 77  | 20.074 | 2866 | 2871 | 2875 | rVV  | 209718  | 371296  | 4.41%   | 0.443%  |
| 78  | 20.127 | 2876 | 2880 | 2887 | rVB2 | 313517  | 693339  | 8.24%   | 0.828%  |
| 79  | 20.198 | 2889 | 2892 | 2897 | rVV  | 147245  | 195656  | 2.33%   | 0.234%  |
| 80  | 20.298 | 2900 | 2909 | 2916 | rVB  | 646643  | 1332538 | 15.84%  | 1.591%  |
| 81  | 20.392 | 2922 | 2925 | 2929 | rBV  | 345009  | 421164  | 5.01%   | 0.503%  |
| 82  | 20.451 | 2929 | 2935 | 2938 | rBV2 | 369324  | 698523  | 8.31%   | 0.834%  |
| 83  | 20.586 | 2955 | 2958 | 2962 | rBV  | 226222  | 311942  | 3.71%   | 0.372%  |
| 84  | 20.633 | 2963 | 2966 | 2973 | rVB2 | 195832  | 322867  | 3.84%   | 0.385%  |
| 85  | 20.904 | 3009 | 3012 | 3016 | rBV2 | 164248  | 225072  | 2.68%   | 0.269%  |
| 86  | 21.039 | 3031 | 3035 | 3039 | rBV  | 423621  | 559078  | 6.65%   | 0.667%  |
| 87  | 21.192 | 3057 | 3061 | 3064 | rBV2 | 833402  | 1198359 | 14.25%  | 1.431%  |
| 88  | 21.269 | 3071 | 3074 | 3082 | rBV3 | 426665  | 820454  | 9.76%   | 0.980%  |
| 89  | 21.333 | 3082 | 3085 | 3091 | rVB  | 437383  | 545905  | 6.49%   | 0.652%  |
| 90  | 21.533 | 3111 | 3119 | 3125 | rBV3 | 3190985 | 8410538 | 100.00% | 10.042% |
| 91  | 21.586 | 3125 | 3128 | 3141 | rVB  | 2686356 | 3976698 | 47.28%  | 4.748%  |
| 92  | 21.710 | 3146 | 3149 | 3153 | rBV  | 453545  | 658004  | 7.82%   | 0.786%  |
| 93  | 21.898 | 3177 | 3181 | 3186 | rVB2 | 439924  | 662025  | 7.87%   | 0.790%  |
| 94  | 23.310 | 3414 | 3421 | 3426 | rBV  | 2499071 | 6389726 | 75.97%  | 7.629%  |
| 95  | 23.504 | 3451 | 3454 | 3461 | rVB  | 402627  | 681534  | 8.10%   | 0.814%  |
| 96  | 23.863 | 3509 | 3515 | 3527 | rVB  | 1597204 | 3656360 | 43.47%  | 4.365%  |
| 97  | 23.974 | 3528 | 3534 | 3545 | rVB  | 1843280 | 4070494 | 48.40%  | 4.860%  |
| 98  | 24.086 | 3548 | 3553 | 3559 | rVV  | 1068791 | 2331874 | 27.73%  | 2.784%  |
| 99  | 24.145 | 3560 | 3563 | 3572 | rVB2 | 631354  | 1310970 | 15.59%  | 1.565%  |
| 100 | 26.786 | 4006 | 4012 | 4023 | rVB  | 1252890 | 3710733 | 44.12%  | 4.430%  |

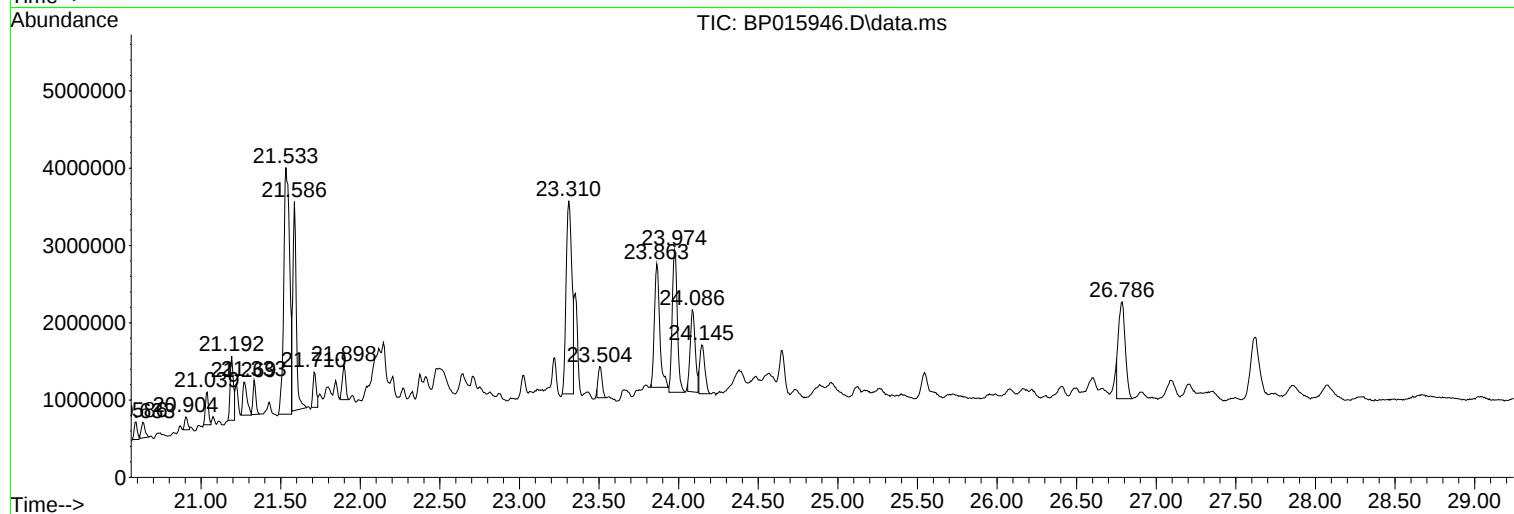
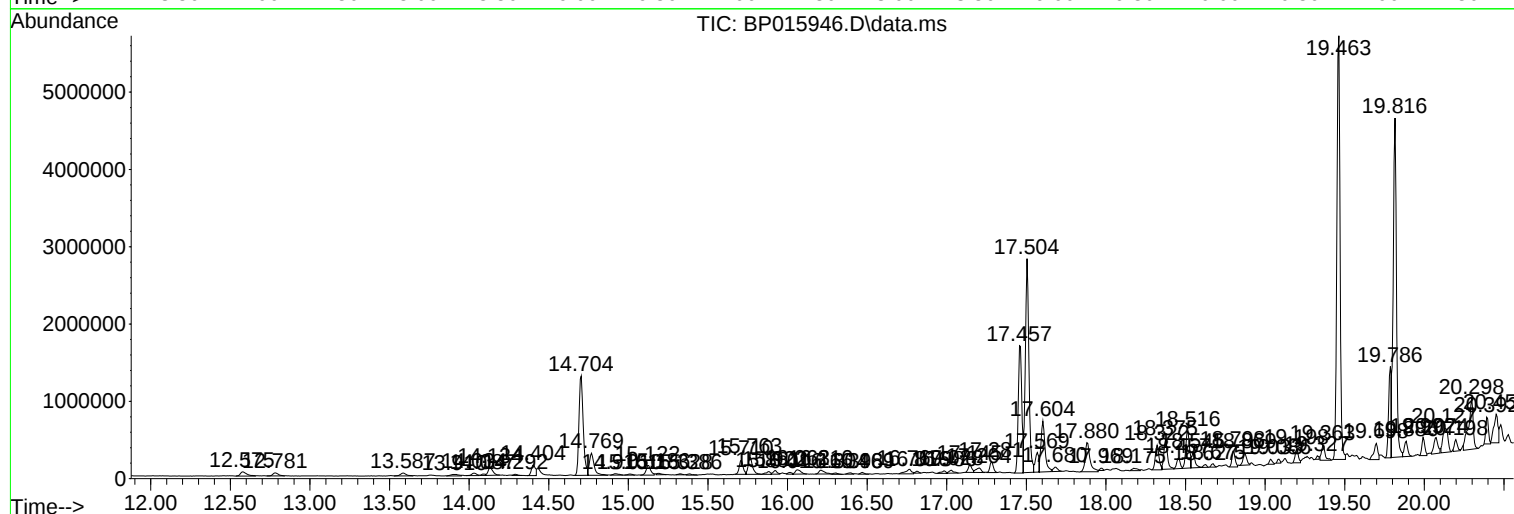
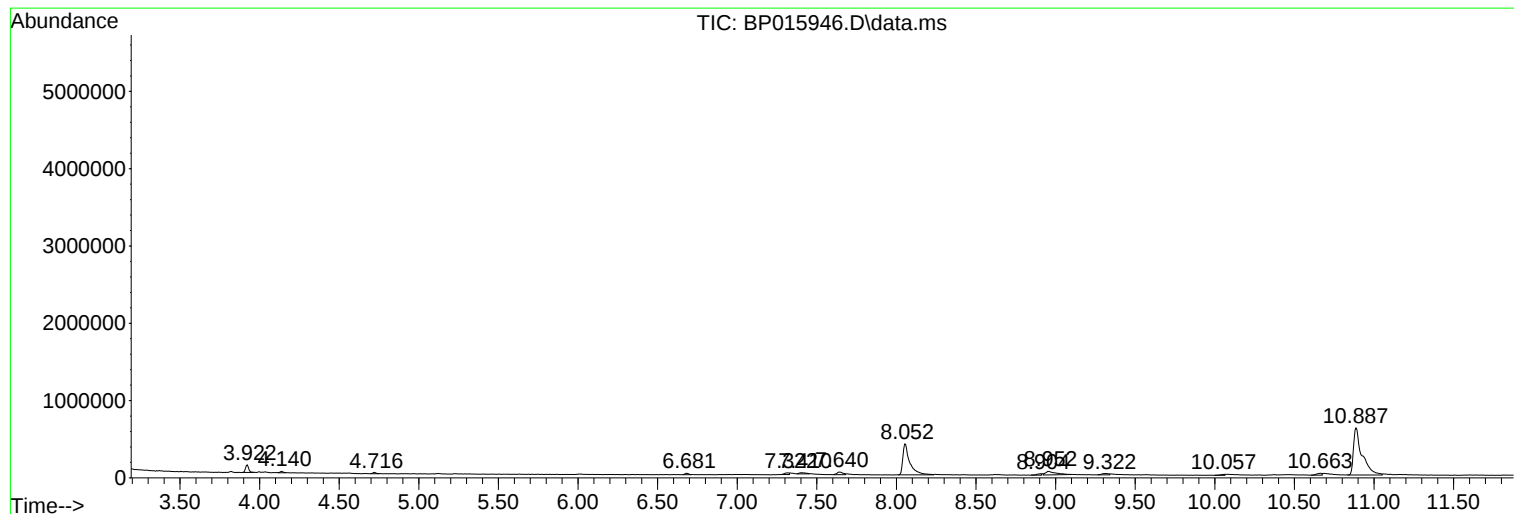
Sum of corrected areas: 83757693

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Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\SFAM-EPA-BP062623.MA.M  
Quant Title : SVOA CALIBRATION

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



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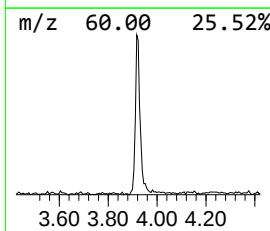
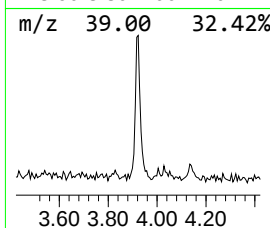
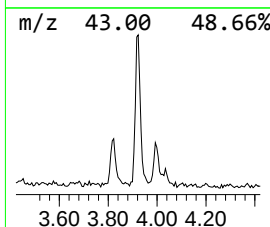
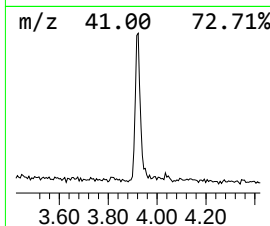
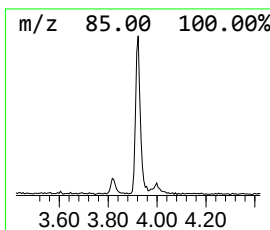
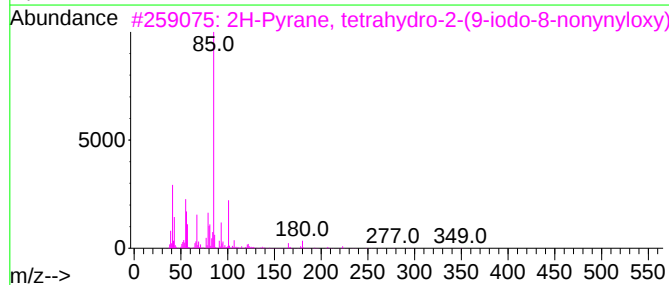
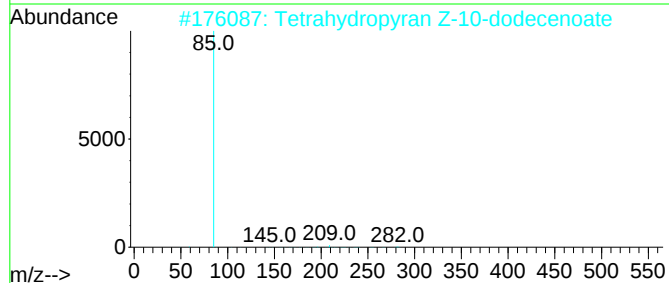
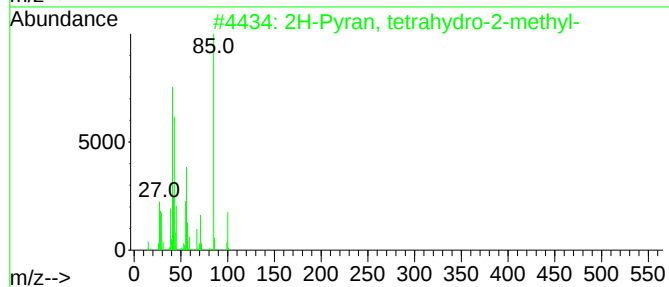
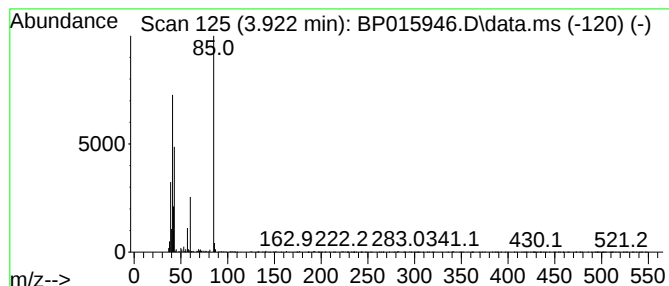
TIC Library : C:\DATABASE\NIST20.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 1 unknown-01 Concentration Rank 13

| R.T.  | EstConc    | Area   | Relative to ISTD       | R.T.  |
|-------|------------|--------|------------------------|-------|
| 3.922 | 2.20 ng/ul | 134155 | 1,4-Dichlorobenzene-d4 | 8.052 |

| Hit# | of                                 | 5 | Tentative ID | MW  | MolForm   | CAS#         | Qual |
|------|------------------------------------|---|--------------|-----|-----------|--------------|------|
| 1    | 2H-Pyran, tetrahydro-2-methyl-     |   |              | 100 | C6H12O    | 010141-72-7  | 38   |
| 2    | Tetrahydropyran Z-10-dodecenoate   |   |              | 282 | C17H30O3  | 1000130-96-5 | 9    |
| 3    | 2H-Pyran, tetrahydro-2-(9-iodo-... |   |              | 350 | C14H23IO2 | 098442-66-1  | 9    |
| 4    | n-Butyl nitrite                    |   |              | 103 | C4H9NO2   | 000544-16-1  | 9    |
| 5    | Thiazole                           |   |              | 85  | C3H3NS    | 000288-47-1  | 9    |



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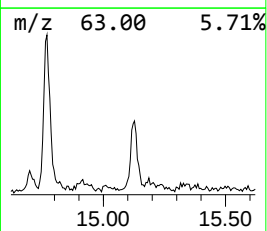
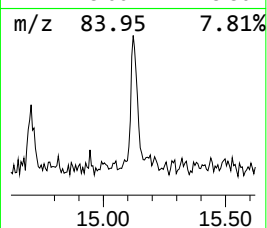
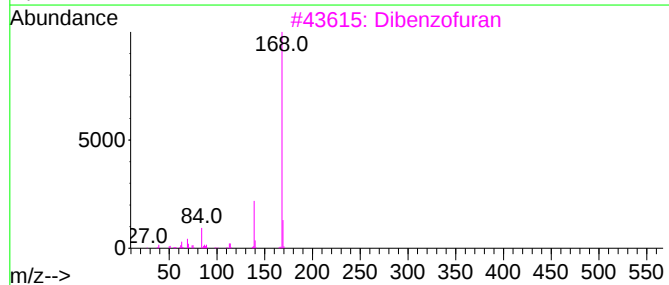
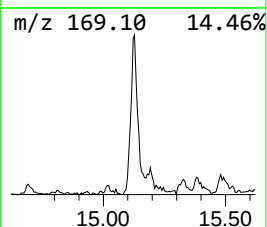
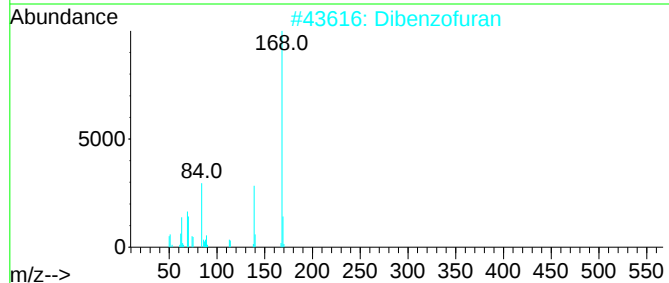
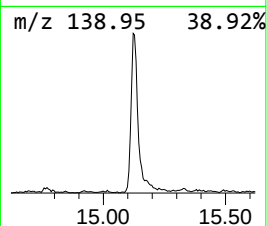
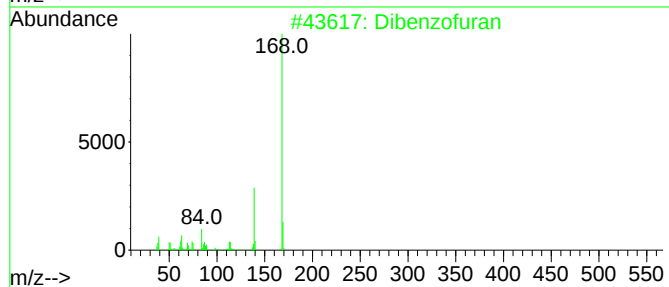
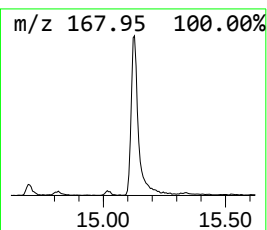
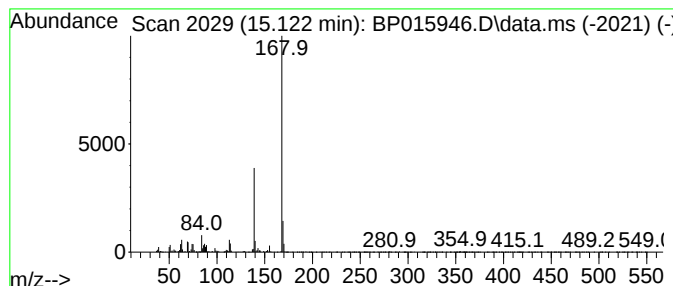
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Quant Title : SVOA CALIBRATION

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

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Peak Number 2 Dibenzo furan Concentration Rank 14

| R.T.   | EstConc    | Area   | Relative to ISTD | R.T.   |
|--------|------------|--------|------------------|--------|
| 15.122 | 2.18 ng/ul | 257491 | Acenaphthene-d10 | 14.704 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm  | CAS#        | Qual |
|------|----|---|-------------------------------------|-----|----------|-------------|------|
| 1    |    |   | Dibenzofuran                        | 168 | C12H8O   | 000132-64-9 | 93   |
| 2    |    |   | Dibenzofuran                        | 168 | C12H8O   | 000132-64-9 | 59   |
| 3    |    |   | Dibenzofuran                        | 168 | C12H8O   | 000132-64-9 | 53   |
| 4    |    |   | 2-Amino-6-fluorobenzothiazole       | 168 | C7H5FN2S | 000348-40-3 | 53   |
| 5    |    |   | 1-Naphthalenecarbonitrile, 8-amino- | 168 | C11H8N2  | 038515-13-8 | 52   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP070323\  
Data File : BP015946.D  
Acq On : 03 Jul 2023 12:13  
Operator : MA/JU  
Sample : 03242-18DL 5X  
Misc :  
ALS Vial : 26 Sample Multiplier: 1

Instrument :  
BNA\_P  
ClientSampleId :  
DCGB9DL

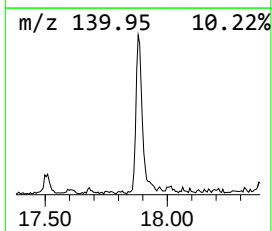
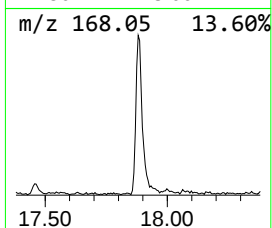
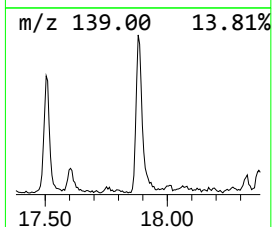
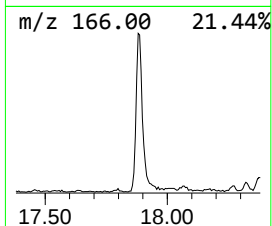
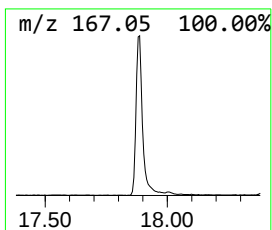
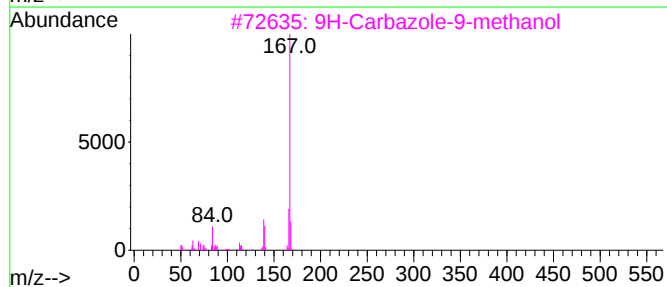
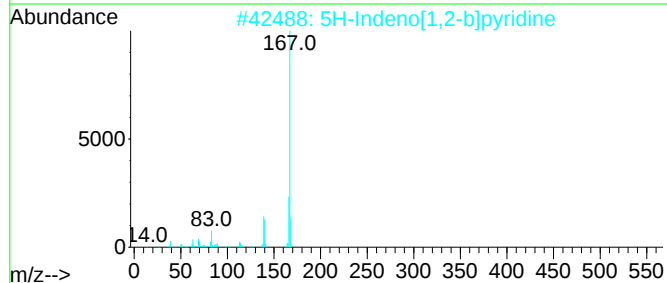
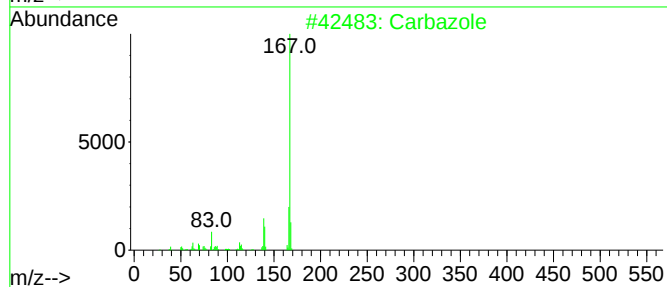
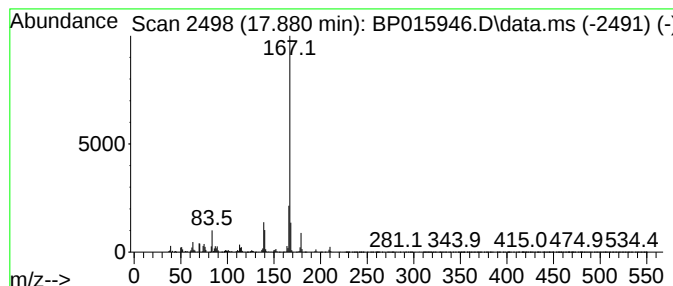
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Quant Title : SVOA CALIBRATION

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

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Peak Number 3 Carba zole Concentration Rank 4

| R.T.   | EstConc    | Area   | Relative to ISTD | R.T.   |
|--------|------------|--------|------------------|--------|
| 17.881 | 6.16 ng/ul | 795257 | Phenanthrene-d10 | 17.457 |

| Hit# | of | 5 | Tentative ID                    | MW  | MolForm  | CAS#         | Qual |
|------|----|---|---------------------------------|-----|----------|--------------|------|
| 1    |    |   | Carbazole                       | 167 | C12H9N   | 000086-74-8  | 95   |
| 2    |    |   | 5H-Indeno[1,2-b]pyridine        | 167 | C12H9N   | 000244-99-5  | 94   |
| 3    |    |   | 9H-Carbazole-9-methanol         | 197 | C13H11NO | 002409-36-1  | 83   |
| 4    |    |   | Carbazole                       | 167 | C12H9N   | 000086-74-8  | 81   |
| 5    |    |   | ethanone, 1-(9H-carbazol-9-yl)- | 209 | C14H11NO | 1000400-59-5 | 81   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP070323\  
Data File : BP015946.D  
Acq On : 03 Jul 2023 12:13  
Operator : MA/JU  
Sample : 03242-18DL 5X  
Misc :  
ALS Vial : 26 Sample Multiplier: 1

Instrument :  
BNA\_P  
ClientSampleId :  
DCGB9DL

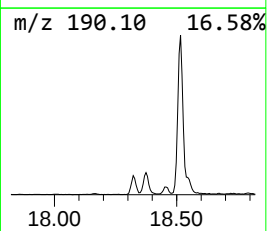
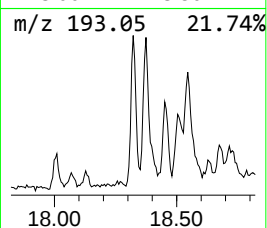
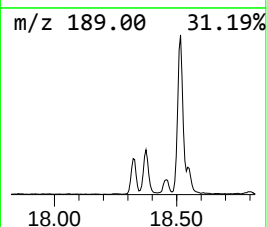
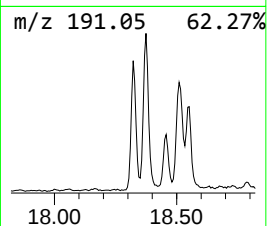
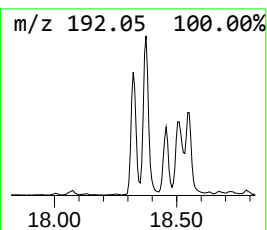
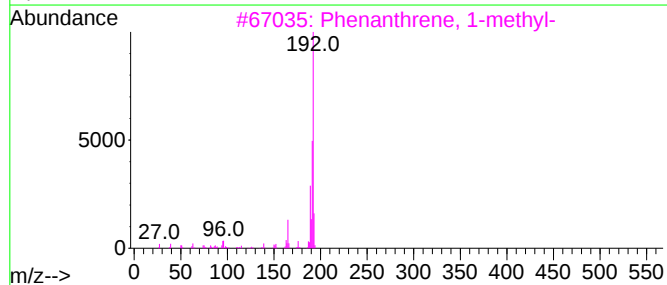
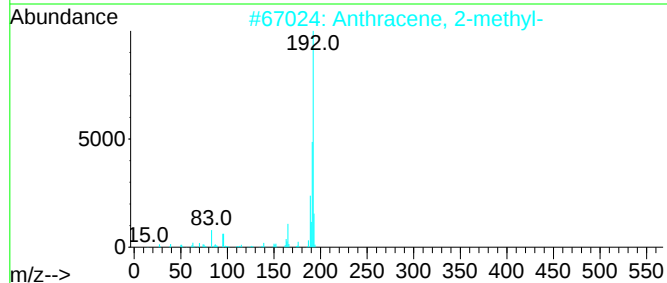
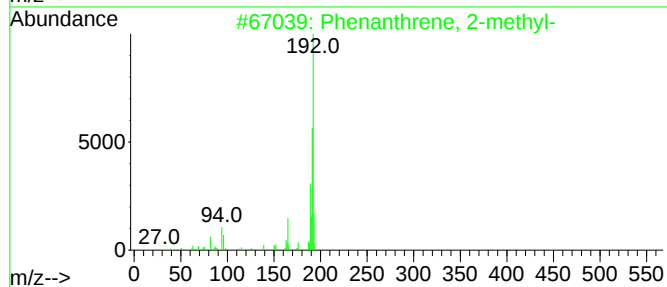
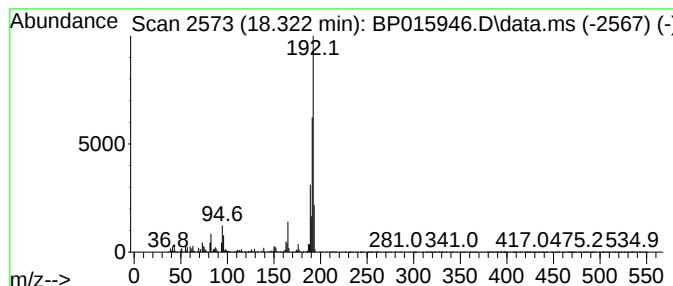
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Quant Title : SVOA CALIBRATION

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

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Peak Number 4 Phenanthrene, 2-methyl- Concentration Rank 7

| R.T.   | EstConc    | Area   | Relative to ISTD | R.T.   |
|--------|------------|--------|------------------|--------|
| 18.322 | 4.02 ng/ul | 519768 | Phenanthrene-d10 | 17.457 |

| Hit# | of | 5 | Tentative ID            | MW  | MolForm | CAS#        | Qual |
|------|----|---|-------------------------|-----|---------|-------------|------|
| 1    |    |   | Phenanthrene, 2-methyl- | 192 | C15H12  | 002531-84-2 | 97   |
| 2    |    |   | Anthracene, 2-methyl-   | 192 | C15H12  | 000613-12-7 | 96   |
| 3    |    |   | Phenanthrene, 1-methyl- | 192 | C15H12  | 000832-69-9 | 95   |
| 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\BP070323\  
Data File : BP015946.D  
Acq On : 03 Jul 2023 12:13  
Operator : MA/JU  
Sample : 03242-18DL 5X  
Misc :  
ALS Vial : 26 Sample Multiplier: 1

Instrument :  
BNA\_P  
ClientSampleId :  
DCGB9DL

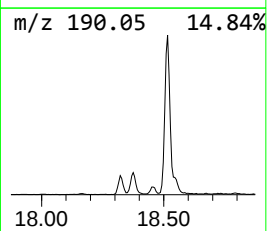
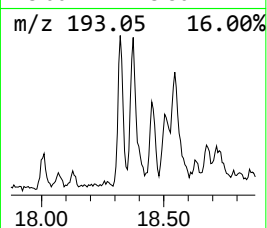
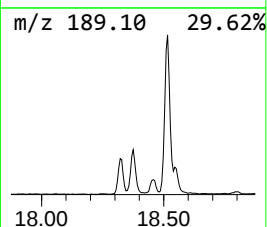
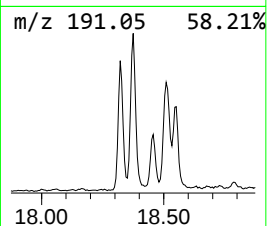
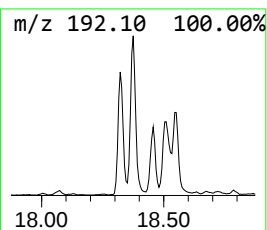
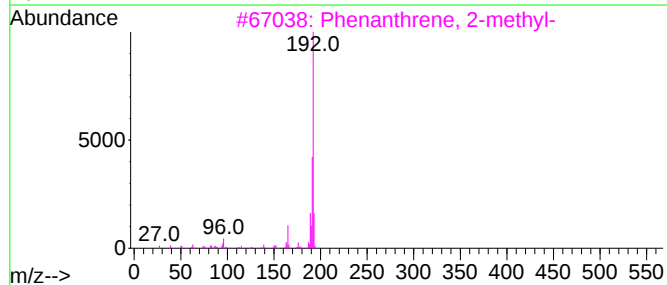
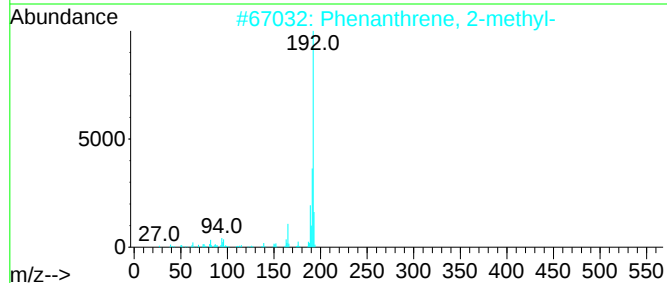
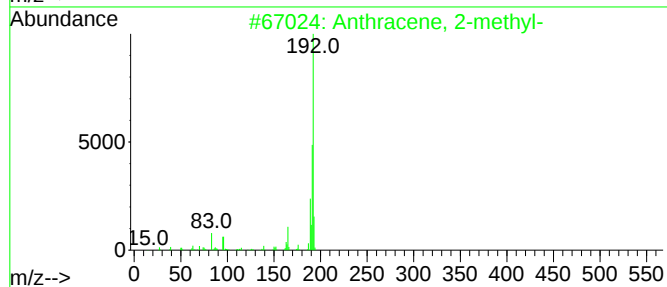
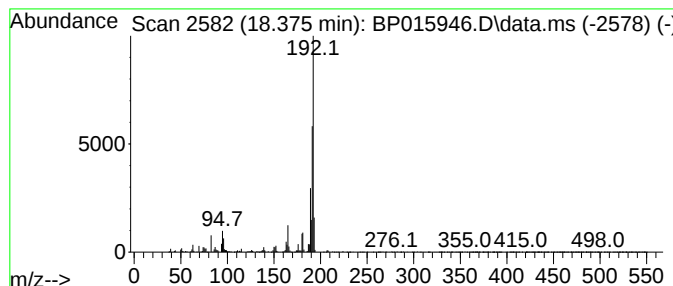
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Quant Title : SVOA CALIBRATION

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

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Peak Number 5 Anthracene, 2-methyl- Concentration Rank 6

| R.T.   | EstConc    | Area   | Relative to ISTD | R.T.   |
|--------|------------|--------|------------------|--------|
| 18.375 | 4.59 ng/ul | 592988 | Phenanthrene-d10 | 17.457 |

| Hit# | of | 5 | Tentative ID            | MW  | MolForm | CAS#        | Qual |
|------|----|---|-------------------------|-----|---------|-------------|------|
| 1    |    |   | Anthracene, 2-methyl-   | 192 | C15H12  | 000613-12-7 | 96   |
| 2    |    |   | Phenanthrene, 2-methyl- | 192 | C15H12  | 002531-84-2 | 96   |
| 3    |    |   | Phenanthrene, 2-methyl- | 192 | C15H12  | 002531-84-2 | 95   |
| 4    |    |   | Phenanthrene, 2-methyl- | 192 | C15H12  | 002531-84-2 | 95   |
| 5    |    |   | Phenanthrene, 1-methyl- | 192 | C15H12  | 000832-69-9 | 95   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP070323\  
Data File : BP015946.D  
Acq On : 03 Jul 2023 12:13  
Operator : MA/JU  
Sample : 03242-18DL 5X  
Misc :  
ALS Vial : 26 Sample Multiplier: 1

Instrument :  
BNA\_P  
ClientSampleId :  
DCGB9DL

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Quant Title : SVOA CALIBRATION

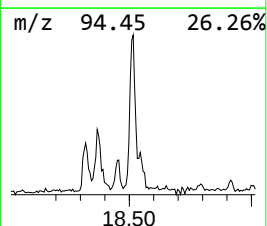
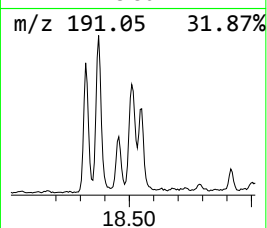
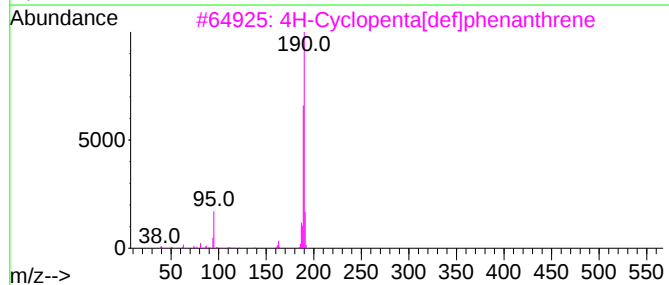
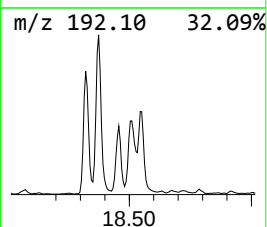
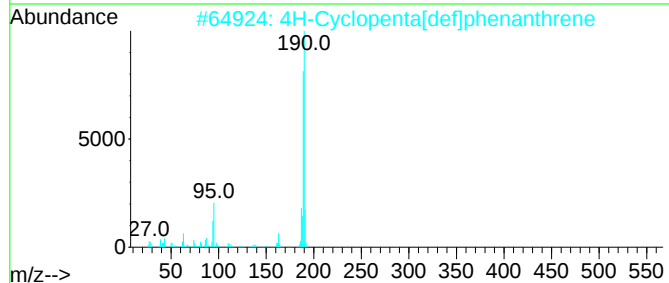
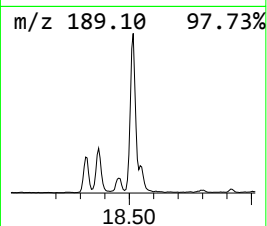
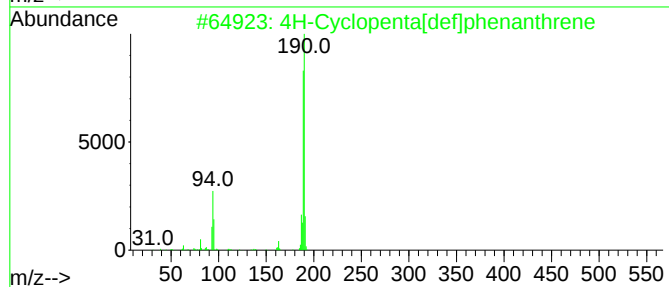
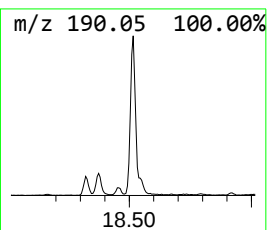
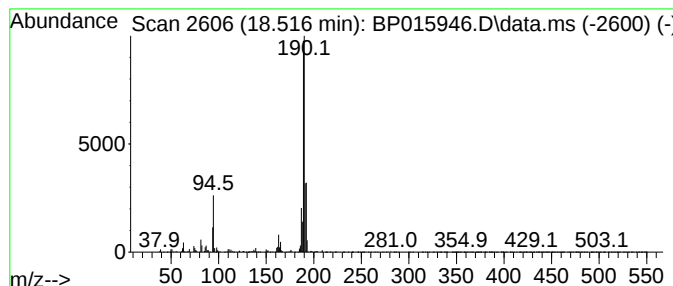
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TIC Integration Parameters: LSCINT.P

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Peak Number 6 4H-Cyclopenta[def]phenanthrene Concentration Rank 3

| R.T.   | EstConc    | Area   | Relative to ISTD | R.T.   |
|--------|------------|--------|------------------|--------|
| 18.516 | 6.24 ng/ul | 805739 | Phenanthrene-d10 | 17.457 |

| 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 | 76   |
| 3    |      | 4H-Cyclopenta[def]phenanthrene      | 190 | C15H10   | 000203-64-5 | 49   |
| 4    |      | 2,2'-Bis(4,5-dimethylimidazole)     | 190 | C10H14N4 | 069286-06-2 | 40   |
| 5    |      | 1,4-Naphthalenedione, 2,5-dihydr... | 190 | C10H6O4  | 004923-55-1 | 25   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP070323\  
Data File : BP015946.D  
Acq On : 03 Jul 2023 12:13  
Operator : MA/JU  
Sample : 03242-18DL 5X  
Misc :  
ALS Vial : 26 Sample Multiplier: 1

Instrument :  
BNA\_P  
ClientSampleId :  
DCGB9DL

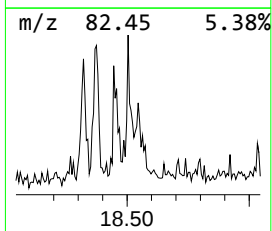
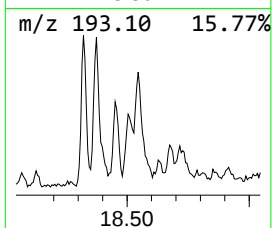
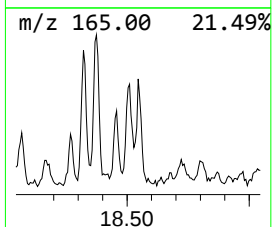
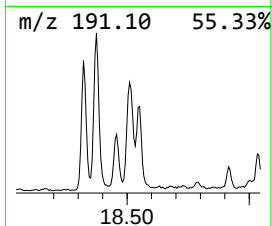
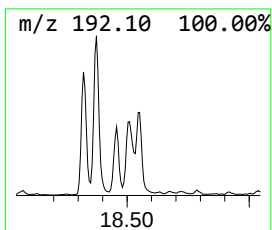
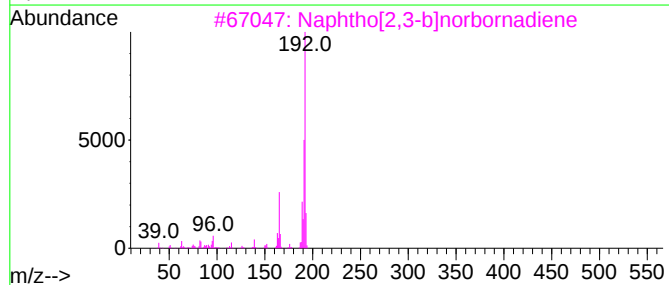
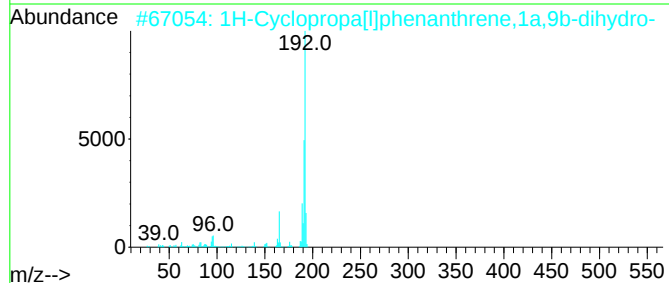
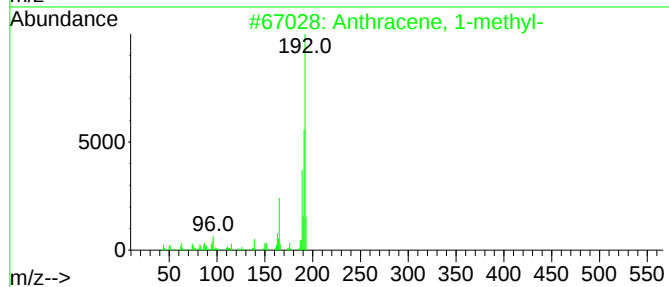
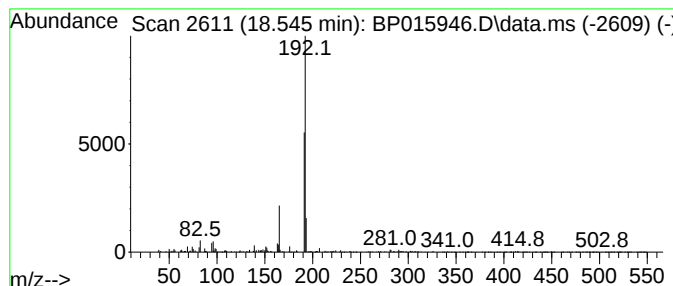
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Quant Title : SVOA CALIBRATION

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

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Peak Number 7 Anthracene, 1-methyl- Concentration Rank 12

| R.T.   | EstConc    | Area   | Relative to ISTD | R.T.   |
|--------|------------|--------|------------------|--------|
| 18.545 | 2.25 ng/ul | 290201 | Phenanthrene-d10 | 17.457 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm | CAS#        | Qual |
|------|----|---|-------------------------------------|-----|---------|-------------|------|
| 1    |    |   | Anthracene, 1-methyl-               | 192 | C15H12  | 000610-48-0 | 90   |
| 2    |    |   | 1H-Cyclopropa[1]phenanthrene,1a,... | 192 | C15H12  | 000949-41-7 | 90   |
| 3    |    |   | Naphtho[2,3-b]norbornadiene         | 192 | C15H12  | 107426-38-0 | 87   |
| 4    |    |   | Phenanthrene, 4-methyl-             | 192 | C15H12  | 000832-64-4 | 87   |
| 5    |    |   | 1H-Indene, 2-phenyl-                | 192 | C15H12  | 004505-48-0 | 86   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP070323\  
Data File : BP015946.D  
Acq On : 03 Jul 2023 12:13  
Operator : MA/JU  
Sample : 03242-18DL 5X  
Misc :  
ALS Vial : 26 Sample Multiplier: 1

Instrument :  
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ClientSampleId :  
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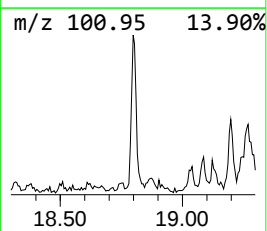
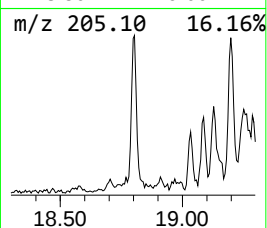
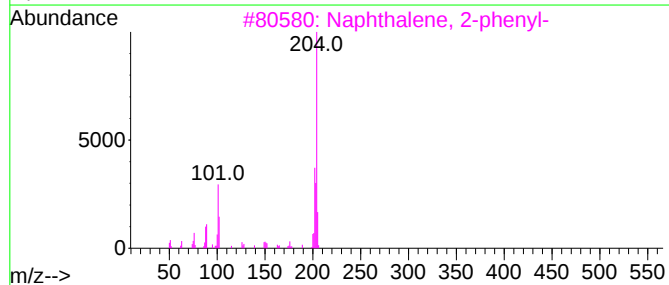
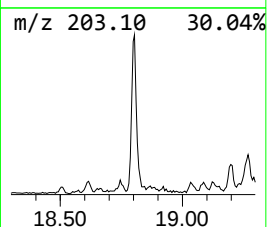
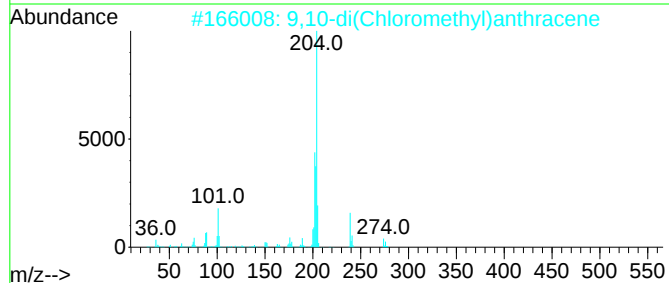
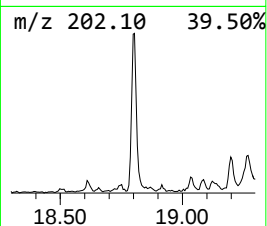
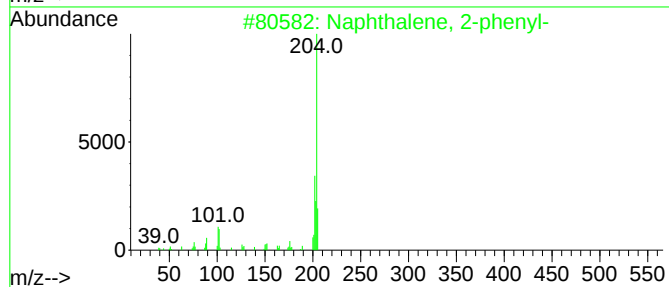
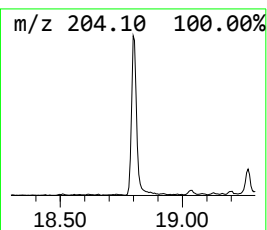
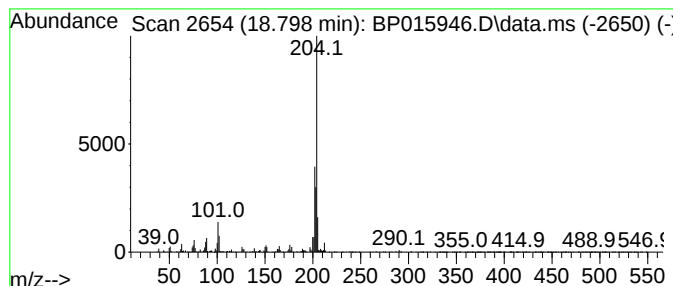
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Quant Title : SVOA CALIBRATION

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

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Peak Number 8 Naphthalene, 2-phenyl- Concentration Rank 10

| R.T.   | EstConc    | Area   | Relative to ISTD | R.T.   |
|--------|------------|--------|------------------|--------|
| 18.798 | 2.28 ng/ul | 294313 | Phenanthrene-d10 | 17.457 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm   | CAS#        | Qual |
|------|----|---|-------------------------------------|-----|-----------|-------------|------|
| 1    |    |   | Naphthalene, 2-phenyl-              | 204 | C16H12    | 000612-94-2 | 91   |
| 2    |    |   | 9,10-di(Chloromethyl)anthracene     | 274 | C16H12Cl2 | 010387-13-0 | 90   |
| 3    |    |   | Naphthalene, 2-phenyl-              | 204 | C16H12    | 000612-94-2 | 86   |
| 4    |    |   | Tricyclo[8.2.2.2(4,7)]hexadeca-2... | 204 | C16H12    | 006572-60-7 | 86   |
| 5    |    |   | 5,16[1',2']:8,13[1'',2'']-Dibenz... | 408 | C32H24    | 005672-97-9 | 86   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP070323\  
Data File : BP015946.D  
Acq On : 03 Jul 2023 12:13  
Operator : MA/JU  
Sample : 03242-18DL 5X  
Misc :  
ALS Vial : 26 Sample Multiplier: 1

Instrument :  
BNA\_P  
ClientSampleId :  
DCGB9DL

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Quant Title : SVOA CALIBRATION

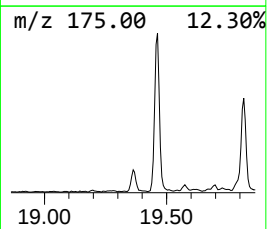
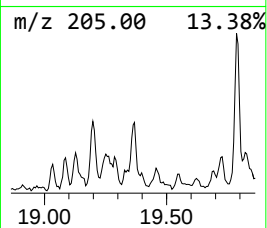
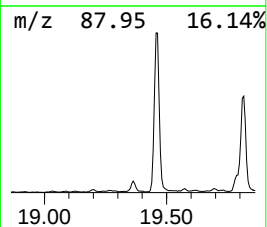
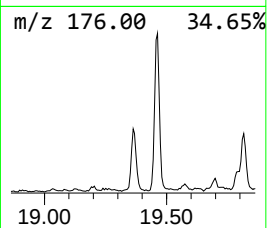
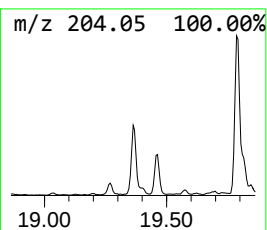
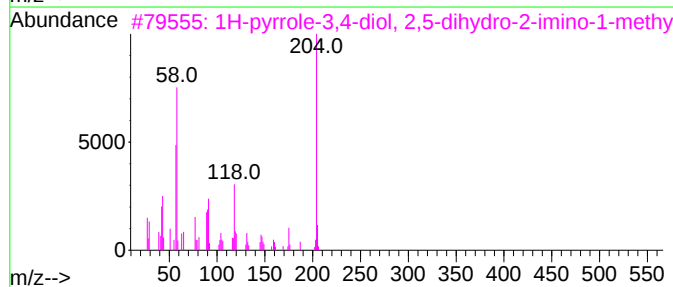
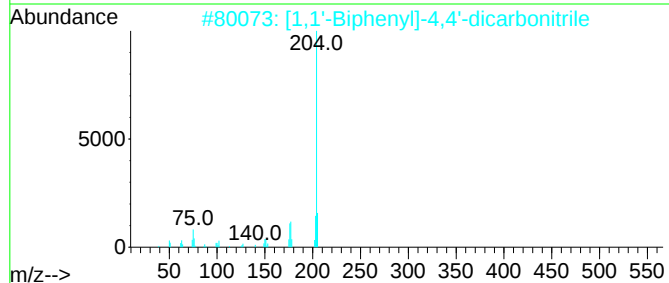
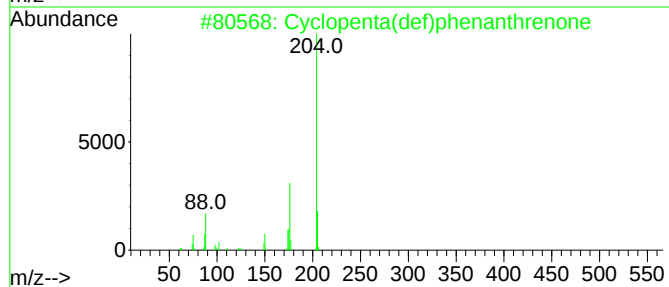
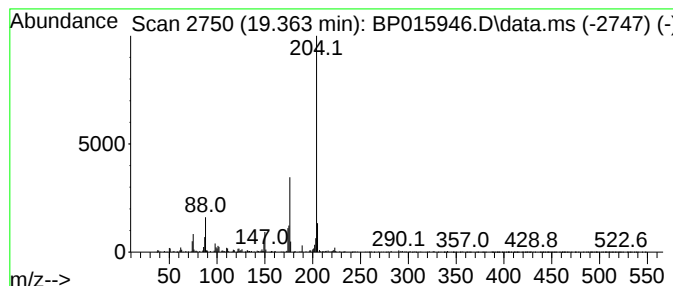
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TIC Integration Parameters: LSCINT.P

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Peak Number 9 Cyclopenta(def)phenanthrenone Concentration Rank 11

| R.T.   | EstConc    | Area   | Relative to ISTD | R.T.   |
|--------|------------|--------|------------------|--------|
| 19.363 | 2.26 ng/ul | 292342 | Phenanthrene-d10 | 17.457 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm    | CAS#         | Qual |
|------|----|---|-------------------------------------|-----|------------|--------------|------|
| 1    |    |   | Cyclopenta(def)phenanthrenone       | 204 | C15H8O     | 005737-13-3  | 93   |
| 2    |    |   | [1,1'-Biphenyl]-4,4'-dicarbonitrile | 204 | C14H8N2    | 001591-30-6  | 53   |
| 3    |    |   | 1H-pyrrole-3,4-diol, 2,5-dihydro... | 204 | C11H12N2O2 | 1000396-07-0 | 47   |
| 4    |    |   | Tetracyano-p-quinodimethane         | 204 | C12H4N4    | 001518-16-7  | 47   |
| 5    |    |   | 4(equat)-(but-3-en-1-ynyl)-2(axi... | 219 | C14H21NO   | 038423-22-2  | 45   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP070323\  
Data File : BP015946.D  
Acq On : 03 Jul 2023 12:13  
Operator : MA/JU  
Sample : 03242-18DL 5X  
Misc :  
ALS Vial : 26 Sample Multiplier: 1

Instrument :  
BNA\_P  
ClientSampleId :  
DCGB9DL

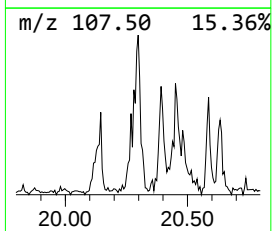
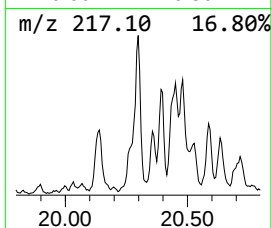
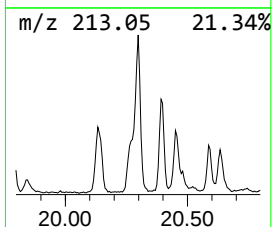
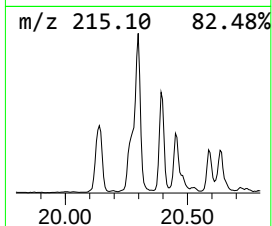
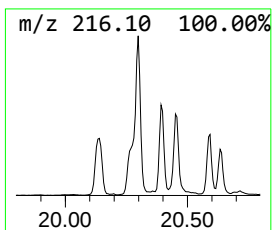
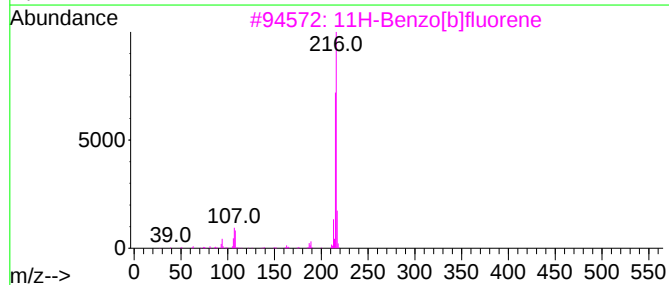
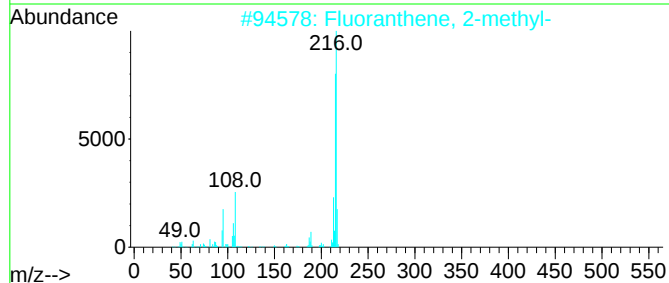
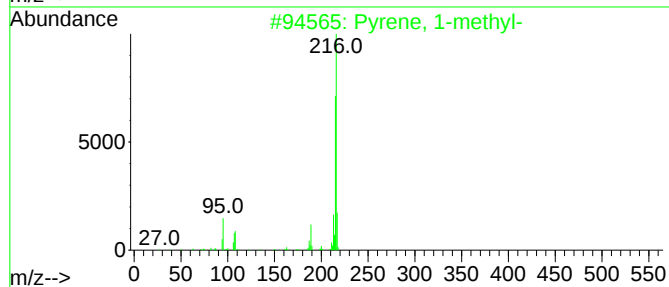
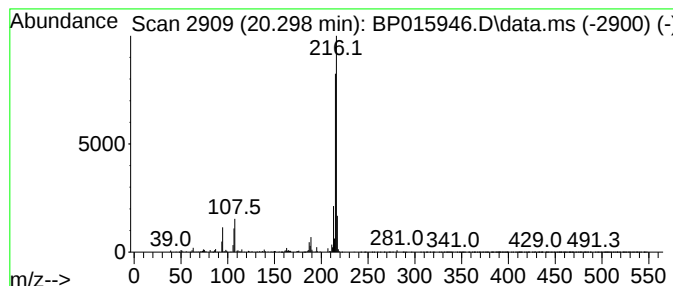
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Quant Title : SVOA CALIBRATION

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

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Peak Number 10 Pyrene, 1-methyl- Concentration Rank 8

| R.T.   | EstConc    | Area    | Relative to ISTD | R.T.   |
|--------|------------|---------|------------------|--------|
| 20.298 | 3.17 ng/ul | 1332540 | Chrysene-d12     | 21.545 |

| Hit# | of | 5 | Tentative ID            | MW  | MolForm | CAS#        | Qual |
|------|----|---|-------------------------|-----|---------|-------------|------|
| 1    |    |   | Pyrene, 1-methyl-       | 216 | C17H12  | 002381-21-7 | 94   |
| 2    |    |   | Fluoranthene, 2-methyl- | 216 | C17H12  | 033543-31-6 | 93   |
| 3    |    |   | 11H-Benzo[b]fluorene    | 216 | C17H12  | 000243-17-4 | 91   |
| 4    |    |   | 11H-Benzo[a]fluorene    | 216 | C17H12  | 000238-84-6 | 91   |
| 5    |    |   | 7H-Benzo[c]fluorene     | 216 | C17H12  | 000205-12-9 | 81   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP070323\  
Data File : BP015946.D  
Acq On : 03 Jul 2023 12:13  
Operator : MA/JU  
Sample : 03242-18DL 5X  
Misc :  
ALS Vial : 26 Sample Multiplier: 1

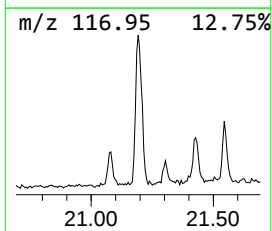
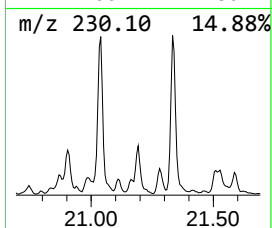
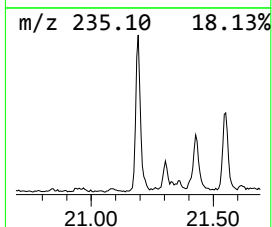
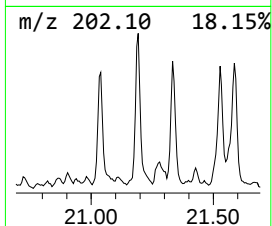
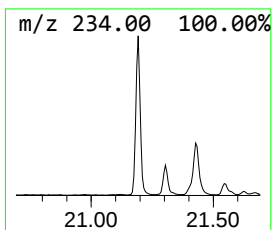
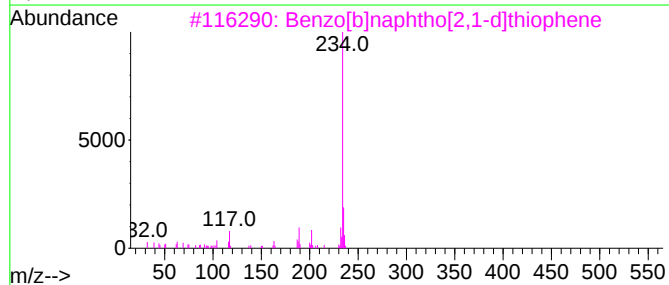
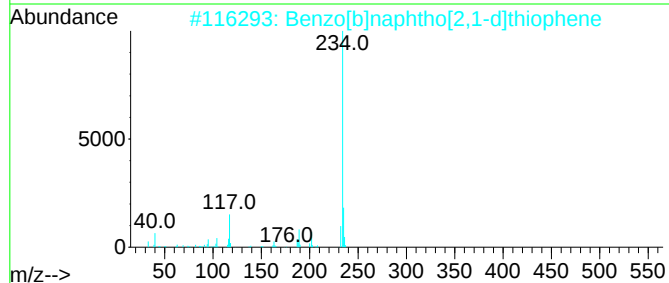
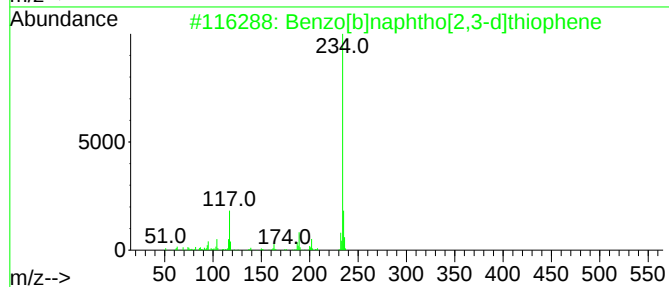
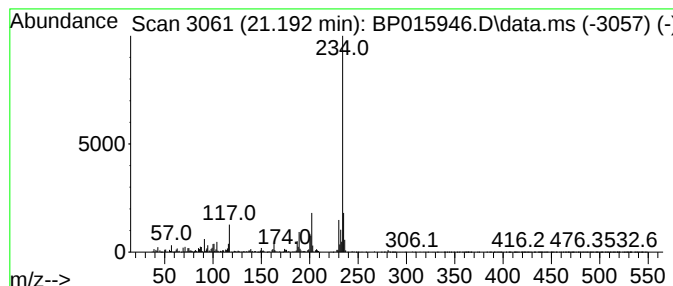
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ClientSampleId :  
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Quant Title : SVOA CALIBRATION

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

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Peak Number 11 Benzo[b]naphtho[2,3-d]thiop... Concentration Rank 9

| R.T.      | EstConc                         | Area    | Relative to ISTD |         | R.T.        |      |
|-----------|---------------------------------|---------|------------------|---------|-------------|------|
| 21.192    | 2.85 ng/ul                      | 1198360 | Chrysene-d12     |         | 21.545      |      |
| Hit# of 5 | Tentative ID                    |         | MW               | MolForm | CAS#        | Qual |
| 1         | Benzo[b]naphtho[2,3-d]thiophene |         | 234              | C16H10S | 000243-46-9 | 95   |
| 2         | Benzo[b]naphtho[2,1-d]thiophene |         | 234              | C16H10S | 000239-35-0 | 94   |
| 3         | Benzo[b]naphtho[2,1-d]thiophene |         | 234              | C16H10S | 000239-35-0 | 86   |
| 4         | Benzo[b]naphtho[2,3-d]thiophene |         | 234              | C16H10S | 000243-46-9 | 83   |
| 5         | Anthra(2,3-b)thiophene          |         | 234              | C16H10S | 022108-55-0 | 81   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP070323\  
Data File : BP015946.D  
Acq On : 03 Jul 2023 12:13  
Operator : MA/JU  
Sample : 03242-18DL 5X  
Misc :  
ALS Vial : 26 Sample Multiplier: 1

Instrument :  
BNA\_P  
ClientSampleId :  
DCGB9DL

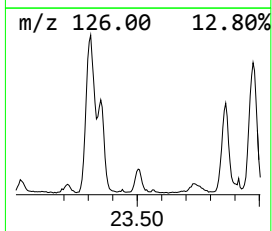
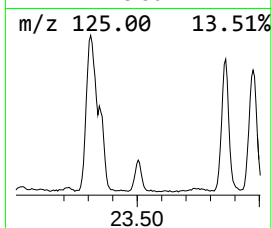
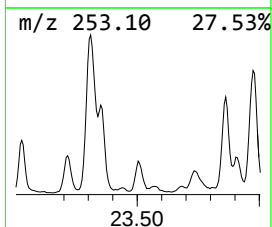
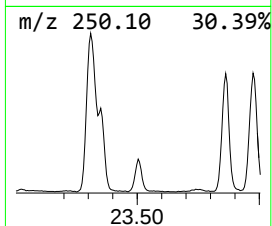
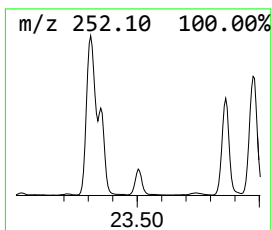
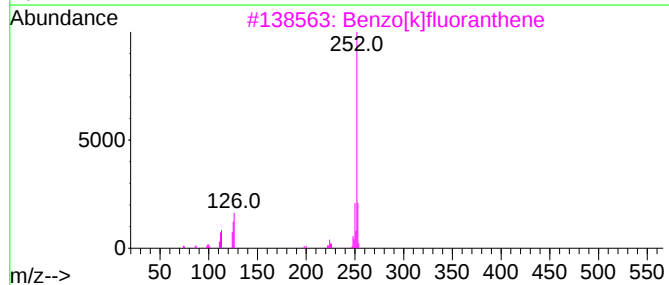
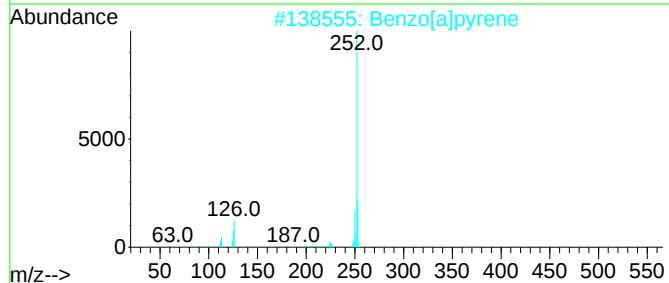
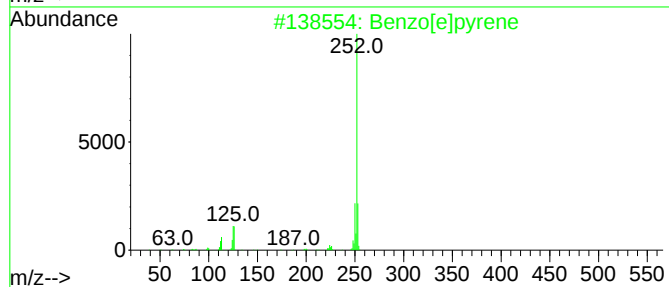
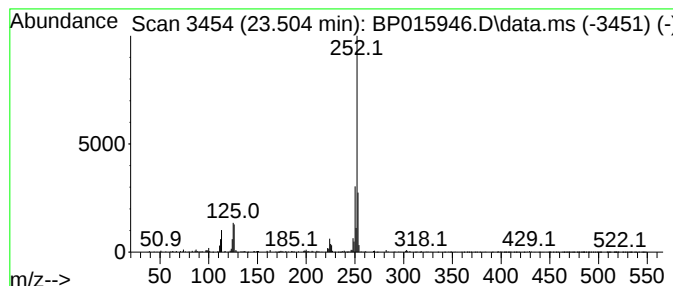
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Quant Title : SVOA CALIBRATION

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

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Peak Number 12 Benzo[e]pyrene Concentration Rank 5

| R.T.   | EstConc    | Area   | Relative to ISTD | R.T.   |
|--------|------------|--------|------------------|--------|
| 23.504 | 5.85 ng/ul | 681534 | Perylene-d12     | 24.086 |

| Hit# | of 5 | Tentative ID         | MW  | MolForm | CAS#        | Qual |
|------|------|----------------------|-----|---------|-------------|------|
| 1    |      | Benzo[e]pyrene       | 252 | C20H12  | 000192-97-2 | 98   |
| 2    |      | Benzo[a]pyrene       | 252 | C20H12  | 000050-32-8 | 98   |
| 3    |      | Benzo[k]fluoranthene | 252 | C20H12  | 000207-08-9 | 97   |
| 4    |      | Benzo[b]fluoranthene | 252 | C20H12  | 000205-99-2 | 94   |
| 5    |      | Benzo[j]fluoranthene | 252 | C20H12  | 000205-82-3 | 93   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP070323\  
Data File : BP015946.D  
Acq On : 03 Jul 2023 12:13  
Operator : MA/JU  
Sample : 03242-18DL 5X  
Misc :  
ALS Vial : 26 Sample Multiplier: 1

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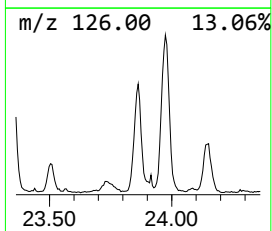
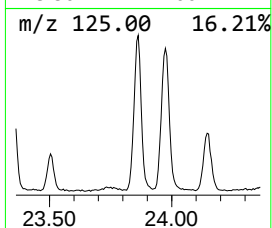
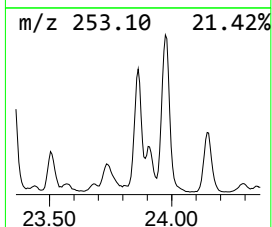
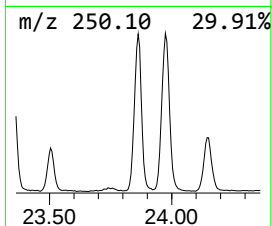
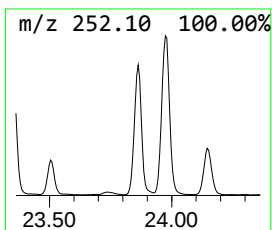
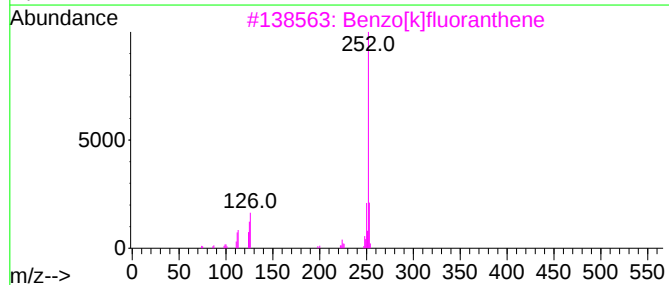
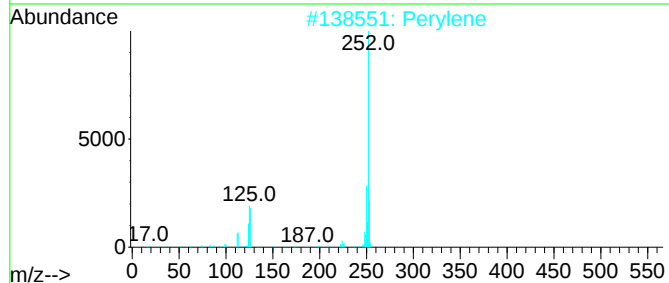
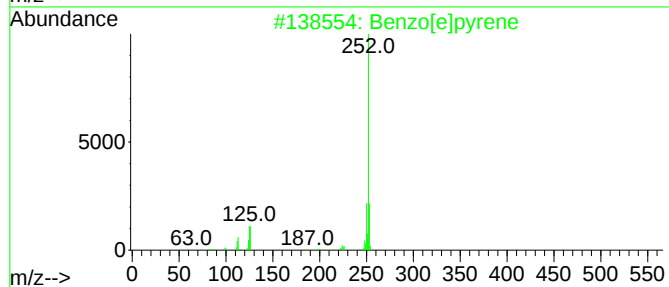
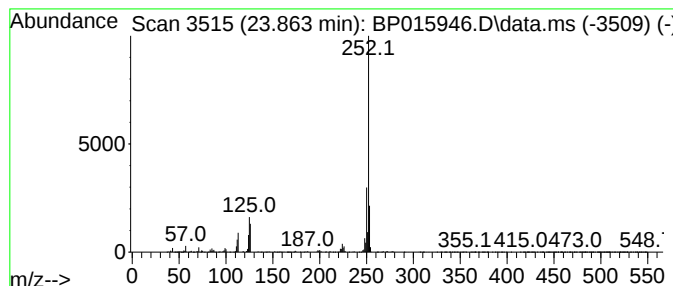
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Quant Title : SVOA CALIBRATION

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

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Peak Number 13 Perylene Concentration Rank 1

| R.T.   | EstConc     | Area    | Relative to ISTD | R.T.   |
|--------|-------------|---------|------------------|--------|
| 23.863 | 31.36 ng/ul | 3656360 | Perylene-d12     | 24.086 |

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



Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP070323\  
Data File : BP015946.D  
Acq On : 03 Jul 2023 12:13  
Operator : MA/JU  
Sample : 03242-18DL 5X  
Misc :  
ALS Vial : 26 Sample Multiplier: 1

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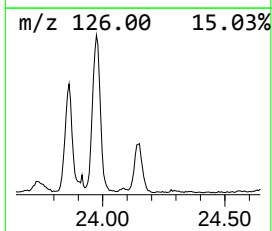
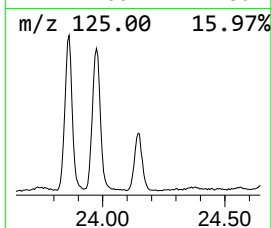
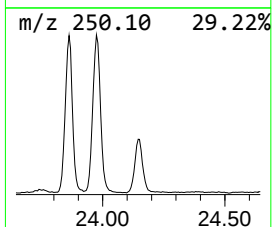
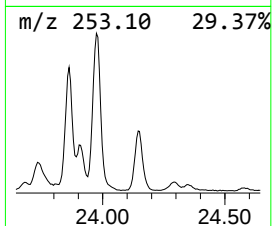
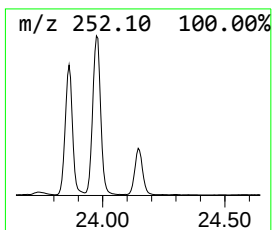
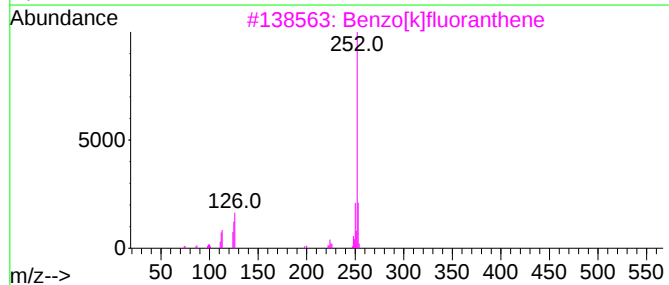
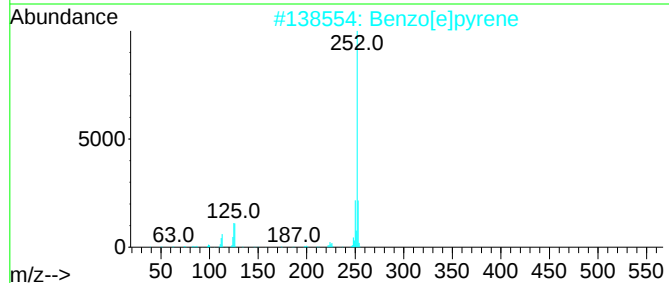
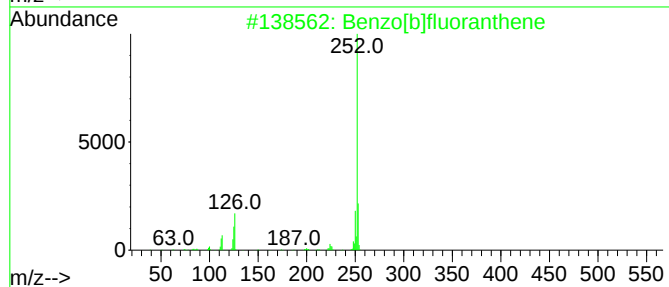
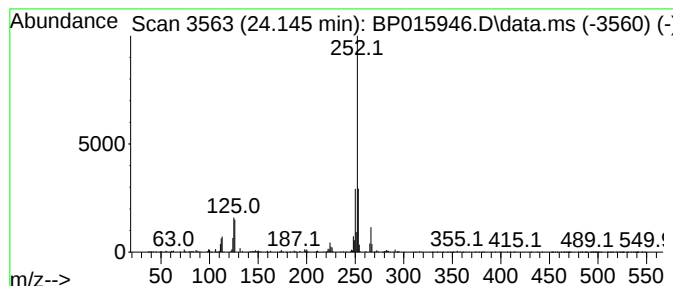
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TIC Integration Parameters: LSCINT.P

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Peak Number 14 unknown-02 Concentration Rank 2

| R.T.   | EstConc     | Area    | Relative to ISTD | R.T.   |
|--------|-------------|---------|------------------|--------|
| 24.145 | 11.24 ng/ul | 1310970 | Perylene-d12     | 24.086 |

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



Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP070323\  
 Data File : BP015946.D  
 Acq On : 03 Jul 2023 12:13  
 Operator : MA/JU  
 Sample : 03242-18DL 5X  
 Misc :  
 ALS Vial : 26 Sample Multiplier: 1

Instrument :  
 BNA\_P  
 ClientSampleId :  
 DCGB9DL

Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\SFAM-EPA-BP062623.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 |
| unknown-01         | 3.922  | 2.2     | ng/u1 | 134155   | 1                     | 8.052  | 1218240 | 20.0 |
| Dibenzo furan      | 15.122 | 2.2     | ng/u1 | 257491   | 3                     | 14.704 | 2366650 | 20.0 |
| Carba zole         | 17.881 | 6.2     | ng/u1 | 795257   | 4                     | 17.457 | 2583050 | 20.0 |
| Phenanthrene, 2... | 18.322 | 4.0     | ng/u1 | 519768   | 4                     | 17.457 | 2583050 | 20.0 |
| Anthracene, 2-m... | 18.375 | 4.6     | ng/u1 | 592988   | 4                     | 17.457 | 2583050 | 20.0 |
| 4H-Cyclopenta[d... | 18.516 | 6.2     | ng/u1 | 805739   | 4                     | 17.457 | 2583050 | 20.0 |
| Anthracene, 1-m... | 18.545 | 2.3     | ng/u1 | 290201   | 4                     | 17.457 | 2583050 | 20.0 |
| Naphthalene, 2-... | 18.798 | 2.3     | ng/u1 | 294313   | 4                     | 17.457 | 2583050 | 20.0 |
| Cyclopenta(def)... | 19.363 | 2.3     | ng/u1 | 292342   | 4                     | 17.457 | 2583050 | 20.0 |
| Pyrene, 1-methyl-  | 20.298 | 3.2     | ng/u1 | 1332540  | 5                     | 21.545 | 8410540 | 20.0 |
| Benzo[b]naphtho... | 21.192 | 2.9     | ng/u1 | 1198360  | 5                     | 21.545 | 8410540 | 20.0 |
| Benzo[e]pyrene     | 23.504 | 5.8     | ng/u1 | 681534   | 6                     | 24.086 | 2331870 | 20.0 |
| Perylene           | 23.863 | 31.4    | ng/u1 | 3656360  | 6                     | 24.086 | 2331870 | 20.0 |
| unknown-02         | 24.145 | 11.2    | ng/u1 | 1310970  | 6                     | 24.086 | 2331870 | 20.0 |