

Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM070621\  
 Data File : BM030834.D  
 Acq On : 06 Jul 2021 23:59  
 Operator : CG/JU  
 Sample : M2869-06DL 5X  
 Misc :  
 ALS Vial : 12 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 BGDx4DL

Integration Parameters: LSCINT.P

Integrator: RTE

Smoother: 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\_M\METHODS\SFAM-EPA-BM070621.M  
 Title : SVOA CALIBRATION

Signal : TIC: BM030834.D

| 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         | 3.775       | 113           | 117         | 122          | rBV      | 11179          | 16909         | 0.65%           | 0.064%        |
| 2         | 6.939       | 648           | 655         | 665          | rBV      | 28735          | 57503         | 2.20%           | 0.218%        |
| 3         | 7.104       | 677           | 683         | 692          | rBV      | 25301          | 42893         | 1.64%           | 0.163%        |
| 4         | 7.298       | 710           | 716         | 723          | rBV      | 34008          | 56977         | 2.18%           | 0.216%        |
| 5         | 7.763       | 787           | 795         | 805          | rBV      | 433638         | 690607        | 26.41%          | 2.621%        |
| 6         | 8.475       | 910           | 916         | 924          | rBV      | 33773          | 63156         | 2.41%           | 0.240%        |
| 7         | 8.928       | 985           | 993         | 1003         | rBV      | 27399          | 52794         | 2.02%           | 0.200%        |
| 8         | 9.645       | 1109          | 1115        | 1123         | rBV2     | 19874          | 37277         | 1.43%           | 0.141%        |
| 9         | 10.192      | 1201          | 1208        | 1221         | rBV2     | 22526          | 54530         | 2.09%           | 0.207%        |
| 10        | 10.545      | 1261          | 1268        | 1275         | rBV      | 565127         | 994325        | 38.02%          | 3.773%        |
| 11        | 10.592      | 1275          | 1276        | 1284         | rVB      | 25553          | 35820         | 1.37%           | 0.136%        |
| 12        | 10.710      | 1284          | 1296        | 1307         | rBV2     | 18646          | 45122         | 1.73%           | 0.171%        |
| 13        | 13.557      | 1774          | 1780        | 1781         | rBV      | 12817          | 15530         | 0.59%           | 0.059%        |
| 14        | 13.716      | 1801          | 1807        | 1813         | rBV2     | 23775          | 41404         | 1.58%           | 0.157%        |
| 15        | 13.810      | 1818          | 1823        | 1827         | rBV      | 72673          | 99399         | 3.80%           | 0.377%        |
| 16        | 13.857      | 1827          | 1831        | 1841         | rVB      | 32117          | 53552         | 2.05%           | 0.203%        |
| 17        | 13.951      | 1841          | 1847        | 1851         | rBV2     | 14061          | 20183         | 0.77%           | 0.077%        |
| 18        | 14.086      | 1860          | 1870        | 1874         | rBV      | 87875          | 147172        | 5.63%           | 0.558%        |
| 19        | 14.392      | 1913          | 1922        | 1928         | rBV      | 915851         | 1367116       | 52.28%          | 5.188%        |
| 20        | 14.457      | 1928          | 1933        | 1943         | rVB      | 116340         | 183333        | 7.01%           | 0.696%        |
| 21        | 14.792      | 1984          | 1990        | 1996         | rBV      | 51904          | 78968         | 3.02%           | 0.300%        |
| 22        | 14.868      | 1996          | 2003        | 2008         | rVB      | 21239          | 32577         | 1.25%           | 0.124%        |
| 23        | 15.010      | 2020          | 2027        | 2032         | rBV3     | 15413          | 27942         | 1.07%           | 0.106%        |
| 24        | 15.068      | 2032          | 2037        | 2041         | rVB      | 16669          | 23195         | 0.89%           | 0.088%        |
| 25        | 15.180      | 2048          | 2056        | 2059         | rBV3     | 15953          | 30371         | 1.16%           | 0.115%        |
| 26        | 15.386      | 2085          | 2091        | 2095         | rVV      | 127995         | 189218        | 7.24%           | 0.718%        |
| 27        | 15.439      | 2095          | 2100        | 2111         | rVV2     | 133746         | 217486        | 8.32%           | 0.825%        |
| 28        | 15.533      | 2111          | 2116        | 2119         | rVV4     | 18079          | 33575         | 1.28%           | 0.127%        |
| 29        | 15.568      | 2119          | 2122        | 2124         | rVV3     | 13218          | 18044         | 0.69%           | 0.068%        |
| 30        | 15.604      | 2124          | 2128        | 2132         | rVV3     | 20767          | 34592         | 1.32%           | 0.131%        |
| 31        | 15.651      | 2132          | 2136        | 2139         | rVV2     | 17128          | 25908         | 0.99%           | 0.098%        |
| 32        | 15.692      | 2139          | 2143        | 2146         | rVV2     | 19547          | 29706         | 1.14%           | 0.113%        |
| 33        | 15.733      | 2146          | 2150        | 2158         | rVB      | 52800          | 82342         | 3.15%           | 0.312%        |
| 34        | 15.886      | 2167          | 2176        | 2185         | rBV      | 53568          | 119805        | 4.58%           | 0.455%        |
| 35        | 15.974      | 2185          | 2191        | 2196         | rVB3     | 11713          | 20009         | 0.77%           | 0.076%        |
| 36        | 16.121      | 2210          | 2216        | 2221         | rVB3     | 17405          | 30651         | 1.17%           | 0.116%        |

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 Sample : M2869-06DL 5X  
 Misc :  
 ALS Vial : 12 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 BGDX4DL

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\_M\METHODS\SFAM-EPA-BM070621.M  
 Title : SVOA CALIBRATION

|    |        |      |      |      |      |         |         |        |        |
|----|--------|------|------|------|------|---------|---------|--------|--------|
| 37 | 16.445 | 2261 | 2271 | 2275 | rVV2 | 50730   | 104753  | 4.01%  | 0.398% |
| 38 | 16.492 | 2275 | 2279 | 2284 | rVV3 | 21566   | 37126   | 1.42%  | 0.141% |
| 39 | 16.592 | 2291 | 2296 | 2301 | rVV2 | 23394   | 37990   | 1.45%  | 0.144% |
| 40 | 16.668 | 2301 | 2309 | 2313 | rVV2 | 42223   | 77935   | 2.98%  | 0.296% |
| 41 | 16.709 | 2313 | 2316 | 2319 | rVV2 | 36867   | 55957   | 2.14%  | 0.212% |
| 42 | 16.739 | 2319 | 2321 | 2326 | rVV2 | 17816   | 27502   | 1.05%  | 0.104% |
| 43 | 16.798 | 2326 | 2331 | 2336 | rVV5 | 25998   | 47261   | 1.81%  | 0.179% |
| 44 | 16.862 | 2336 | 2342 | 2350 | rVV3 | 37656   | 92098   | 3.52%  | 0.349% |
| 45 | 16.951 | 2353 | 2357 | 2367 | rVB  | 63189   | 107591  | 4.11%  | 0.408% |
| 46 | 17.133 | 2382 | 2388 | 2391 | rBV  | 1106164 | 1547221 | 59.16% | 5.871% |
| 47 | 17.174 | 2391 | 2395 | 2401 | rVV  | 1164760 | 1681462 | 64.30% | 6.381% |
| 48 | 17.233 | 2401 | 2405 | 2407 | rVV  | 142996  | 219097  | 8.38%  | 0.831% |
| 49 | 17.262 | 2407 | 2410 | 2416 | rVV  | 427036  | 621968  | 23.78% | 2.360% |
| 50 | 17.321 | 2416 | 2420 | 2426 | rVV3 | 31373   | 72697   | 2.78%  | 0.276% |
| 51 | 17.404 | 2431 | 2434 | 2438 | rVV2 | 15495   | 28209   | 1.08%  | 0.107% |
| 52 | 17.574 | 2458 | 2463 | 2472 | rVV2 | 25256   | 66147   | 2.53%  | 0.251% |
| 53 | 17.651 | 2472 | 2476 | 2483 | rVV  | 27344   | 48891   | 1.87%  | 0.186% |
| 54 | 17.715 | 2483 | 2487 | 2496 | rVV9 | 14011   | 39865   | 1.52%  | 0.151% |
| 55 | 17.851 | 2506 | 2510 | 2518 | rVB4 | 14383   | 23285   | 0.89%  | 0.088% |
| 56 | 18.003 | 2531 | 2536 | 2541 | rVV  | 157514  | 284746  | 10.89% | 1.081% |
| 57 | 18.051 | 2541 | 2544 | 2551 | rVV  | 229168  | 337808  | 12.92% | 1.282% |
| 58 | 18.133 | 2553 | 2558 | 2564 | rVV  | 145342  | 222747  | 8.52%  | 0.845% |
| 59 | 18.203 | 2564 | 2570 | 2574 | rVV3 | 257812  | 485589  | 18.57% | 1.843% |
| 60 | 18.239 | 2574 | 2576 | 2584 | rVV  | 110223  | 127141  | 4.86%  | 0.482% |
| 61 | 18.462 | 2611 | 2614 | 2617 | rVV4 | 15681   | 23969   | 0.92%  | 0.091% |
| 62 | 18.509 | 2617 | 2622 | 2627 | rVV  | 120697  | 176640  | 6.75%  | 0.670% |
| 63 | 18.750 | 2659 | 2663 | 2667 | rBV  | 37779   | 50174   | 1.92%  | 0.190% |
| 64 | 18.803 | 2668 | 2672 | 2675 | rVB  | 37174   | 42103   | 1.61%  | 0.160% |
| 65 | 18.839 | 2675 | 2678 | 2683 | rVB  | 34453   | 44195   | 1.69%  | 0.168% |
| 66 | 18.921 | 2684 | 2692 | 2697 | rBV  | 93744   | 184098  | 7.04%  | 0.699% |
| 67 | 18.992 | 2698 | 2704 | 2706 | rBV2 | 47341   | 80757   | 3.09%  | 0.306% |
| 68 | 19.056 | 2712 | 2715 | 2719 | rBV  | 31488   | 53933   | 2.06%  | 0.205% |
| 69 | 19.186 | 2731 | 2737 | 2744 | rBV  | 1796411 | 2301481 | 88.00% | 8.734% |
| 70 | 19.245 | 2744 | 2747 | 2751 | rVB2 | 31787   | 44168   | 1.69%  | 0.168% |
| 71 | 19.286 | 2751 | 2754 | 2758 | rBV4 | 31212   | 53794   | 2.06%  | 0.204% |
| 72 | 19.339 | 2758 | 2763 | 2767 | rVB  | 80426   | 114645  | 4.38%  | 0.435% |
| 73 | 19.427 | 2773 | 2778 | 2782 | rBV3 | 38615   | 68549   | 2.62%  | 0.260% |
| 74 | 19.521 | 2788 | 2794 | 2795 | rBV2 | 472247  | 634026  | 24.24% | 2.406% |
| 75 | 19.550 | 2795 | 2799 | 2807 | rVV  | 1086611 | 1643086 | 62.83% | 6.235% |
| 76 | 19.621 | 2807 | 2811 | 2818 | rVB2 | 85093   | 143549  | 5.49%  | 0.545% |

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 Sample : M2869-06DL 5X  
 Misc :  
 ALS Vial : 12 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 BGDX4DL

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\_M\METHODS\SFAM-EPA-BM070621.M  
 Title : SVOA CALIBRATION

|     |        |      |      |      |      |         |         |         |        |
|-----|--------|------|------|------|------|---------|---------|---------|--------|
| 77  | 19.727 | 2824 | 2829 | 2835 | rBV  | 105191  | 154051  | 5.89%   | 0.585% |
| 78  | 19.868 | 2848 | 2853 | 2862 | rBV4 | 104373  | 284013  | 10.86%  | 1.078% |
| 79  | 19.962 | 2866 | 2869 | 2872 | rVV3 | 29139   | 43128   | 1.65%   | 0.164% |
| 80  | 20.009 | 2872 | 2877 | 2878 | rVV2 | 85739   | 141861  | 5.42%   | 0.538% |
| 81  | 20.045 | 2879 | 2883 | 2890 | rVB  | 311265  | 460848  | 17.62%  | 1.749% |
| 82  | 20.145 | 2895 | 2900 | 2903 | rVV  | 313587  | 404487  | 15.47%  | 1.535% |
| 83  | 20.197 | 2903 | 2909 | 2914 | rVB2 | 127719  | 230601  | 8.82%   | 0.875% |
| 84  | 20.286 | 2920 | 2924 | 2928 | rBV4 | 35881   | 71056   | 2.72%   | 0.270% |
| 85  | 20.339 | 2930 | 2933 | 2936 | rVV  | 51551   | 61273   | 2.34%   | 0.233% |
| 86  | 20.386 | 2937 | 2941 | 2945 | rVV3 | 65735   | 104907  | 4.01%   | 0.398% |
| 87  | 20.515 | 2959 | 2963 | 2968 | rVB  | 153204  | 179455  | 6.86%   | 0.681% |
| 88  | 20.744 | 2999 | 3002 | 3007 | rBV3 | 49508   | 72869   | 2.79%   | 0.277% |
| 89  | 20.956 | 3034 | 3038 | 3040 | rBV  | 69132   | 87381   | 3.34%   | 0.332% |
| 90  | 20.986 | 3040 | 3043 | 3047 | rVV  | 111955  | 146404  | 5.60%   | 0.556% |
| 91  | 21.027 | 3047 | 3050 | 3055 | rVB2 | 70308   | 116539  | 4.46%   | 0.442% |
| 92  | 21.297 | 3089 | 3096 | 3100 | rBV2 | 1404810 | 2615176 | 100.00% | 9.924% |
| 93  | 21.339 | 3100 | 3103 | 3112 | rVB  | 661378  | 834218  | 31.90%  | 3.166% |
| 94  | 21.456 | 3119 | 3123 | 3127 | rBV  | 110601  | 150272  | 5.75%   | 0.570% |
| 95  | 21.850 | 3187 | 3190 | 3194 | rVB  | 110297  | 123390  | 4.72%   | 0.468% |
| 96  | 22.868 | 3358 | 3363 | 3369 | rBV  | 350865  | 901502  | 34.47%  | 3.421% |
| 97  | 23.044 | 3389 | 3393 | 3400 | rVB  | 114527  | 181859  | 6.95%   | 0.690% |
| 98  | 23.350 | 3441 | 3445 | 3450 | rBV  | 106291  | 186385  | 7.13%   | 0.707% |
| 99  | 23.444 | 3458 | 3461 | 3469 | rVB  | 287333  | 497307  | 19.02%  | 1.887% |
| 100 | 23.544 | 3472 | 3478 | 3484 | rBV2 | 621667  | 1178536 | 45.07%  | 4.472% |

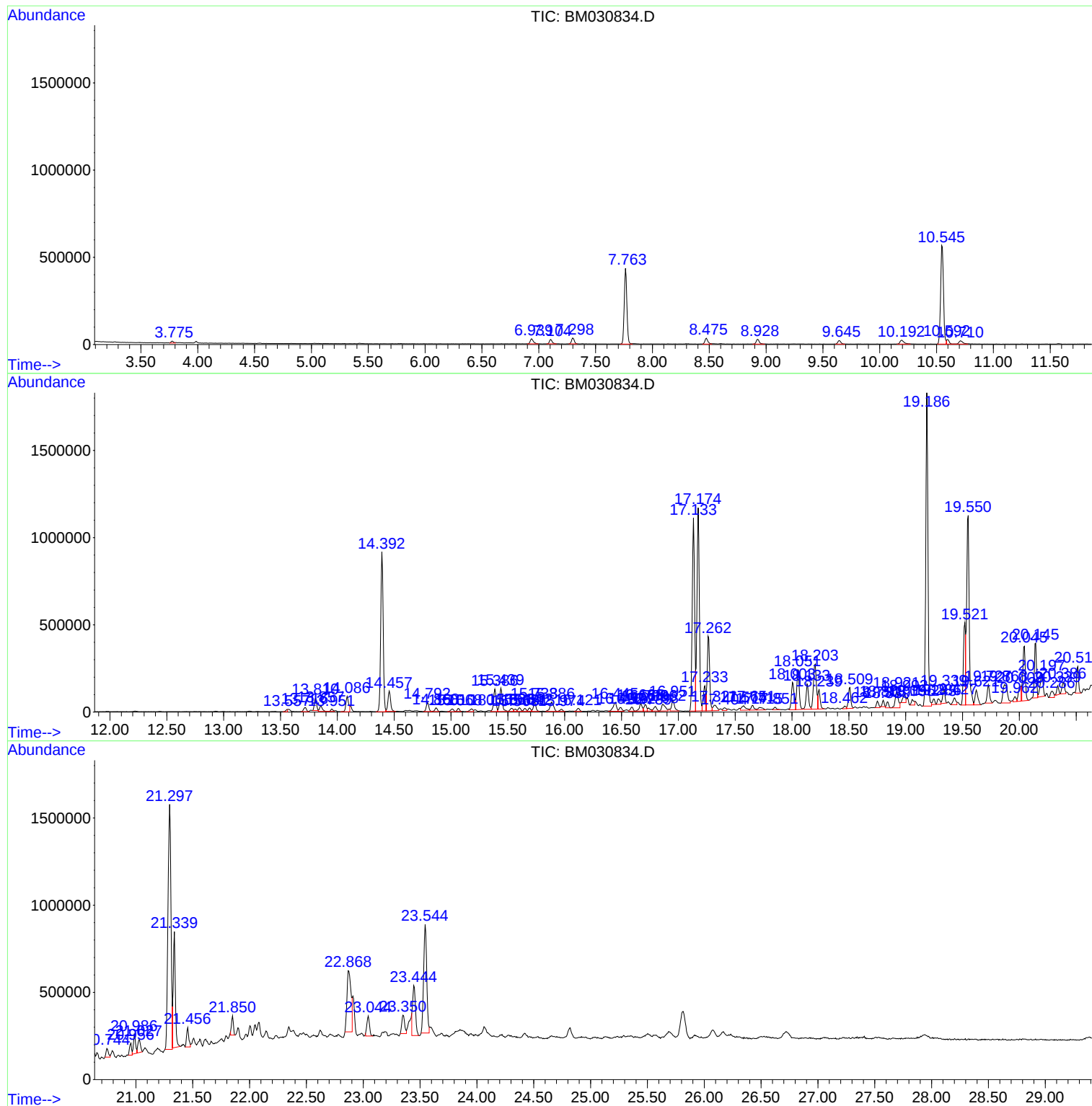
Sum of corrected areas: 26351762

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Sample : M2869-06DL 5X  
Misc :  
ALS Vial : 12 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
BGDX4DL

Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SFAM-EPA-BM070621.M  
Quant Title : SVOA CALIBRATION

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



Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM070621\  
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Acq On : 06 Jul 2021 23:59  
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Sample : M2869-06DL 5X  
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ALS Vial : 12 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
BGDX4DL

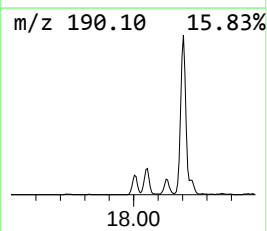
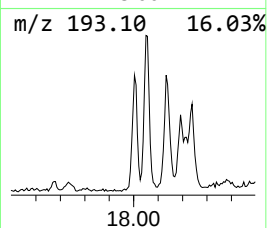
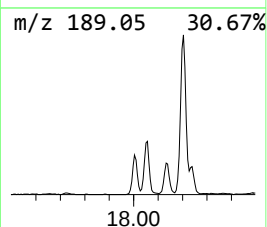
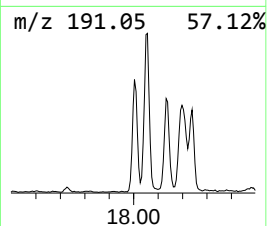
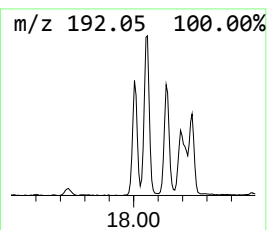
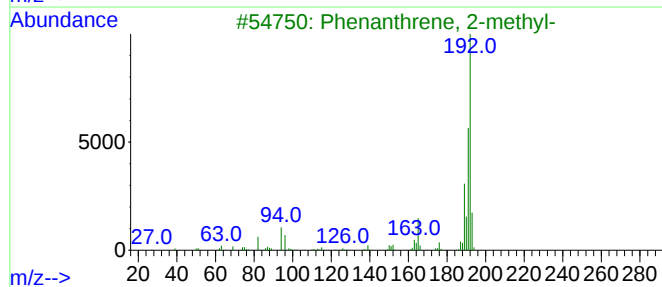
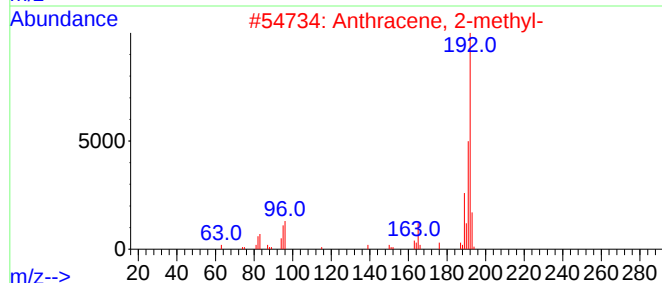
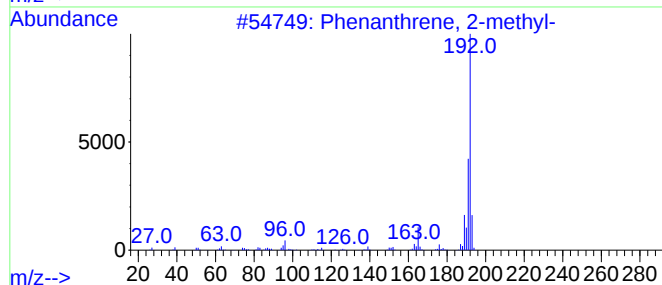
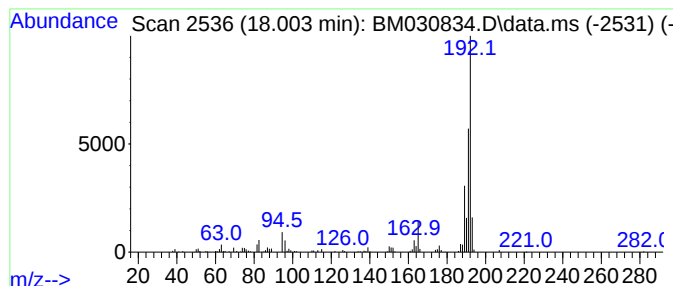
Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SFAM-EPA-BM070621.M  
Quant Title : SVOA CALIBRATION

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

\*\*\*\*\*  
Peak Number 1 Phenanthrene, 2-methyl- Concentration Rank 3

| R.T.   | EstConc    | Area   | Relative to ISTD | R.T.   |
|--------|------------|--------|------------------|--------|
| 18.000 | 3.68 ng/ul | 284746 | Phenanthrene-d10 | 17.133 |

| 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    |    |   | Phenanthrene, 2-methyl- | 192 | C15H12  | 002531-84-2 | 95   |
| 4    |    |   | Phenanthrene, 2-methyl- | 192 | C15H12  | 002531-84-2 | 94   |
| 5    |    |   | Phenanthrene, 1-methyl- | 192 | C15H12  | 000832-69-9 | 94   |



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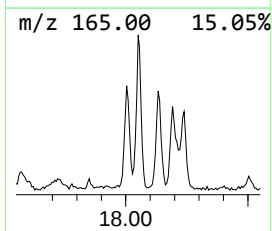
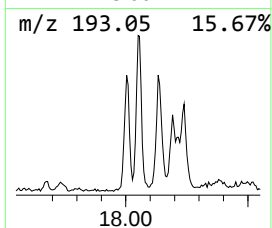
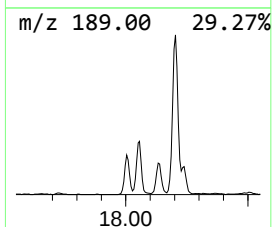
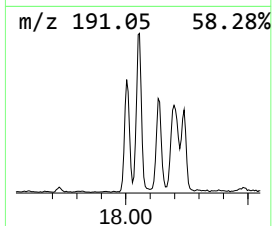
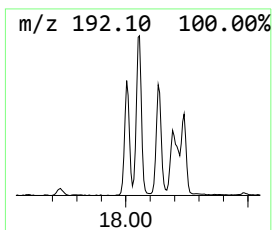
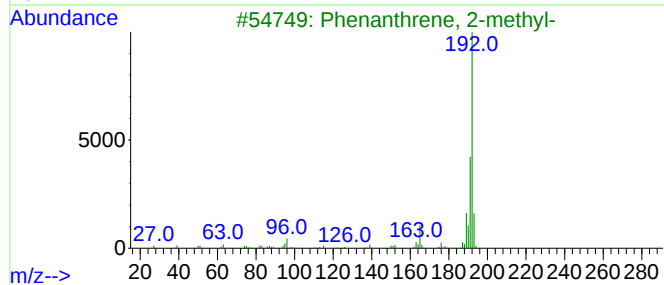
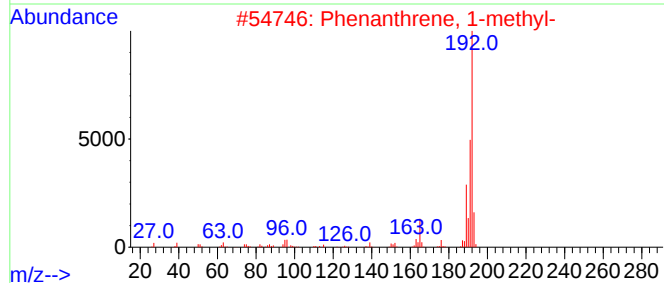
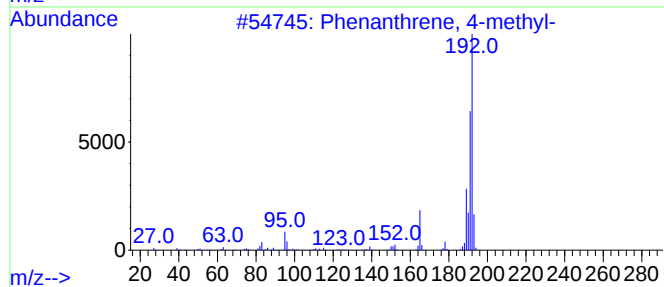
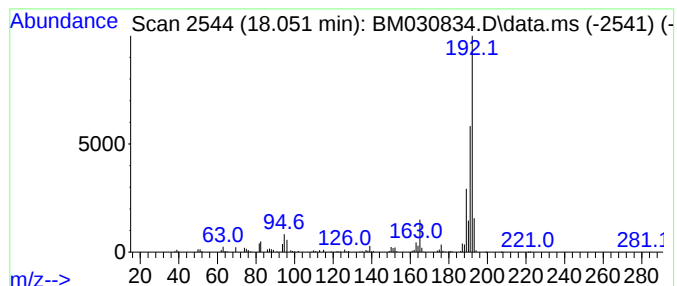
Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SFAM-EPA-BM070621.M  
Quant Title : SVOA CALIBRATION

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

\*\*\*\*\*  
Peak Number 2 Phenanthrene, 4-methyl- Concentration Rank 2

| R.T.   | EstConc    | Area   | Relative to ISTD | R.T.   |
|--------|------------|--------|------------------|--------|
| 18.050 | 4.37 ng/ul | 337808 | Phenanthrene-d10 | 17.133 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm | CAS#        | Qual |
|------|----|---|-------------------------------------|-----|---------|-------------|------|
| 1    |    |   | Phenanthrene, 4-methyl-             | 192 | C15H12  | 000832-64-4 | 94   |
| 2    |    |   | Phenanthrene, 1-methyl-             | 192 | C15H12  | 000832-69-9 | 93   |
| 3    |    |   | Phenanthrene, 2-methyl-             | 192 | C15H12  | 002531-84-2 | 93   |
| 4    |    |   | 1H-Cyclopropa[1]phenanthrene,1a,... | 192 | C15H12  | 000949-41-7 | 93   |
| 5    |    |   | Phenanthrene, 2-methyl-             | 192 | C15H12  | 002531-84-2 | 93   |



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Data File : BM030834.D  
Acq On : 06 Jul 2021 23:59  
Operator : CG/JU  
Sample : M2869-06DL 5X  
Misc :  
ALS Vial : 12 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
BGDX4DL

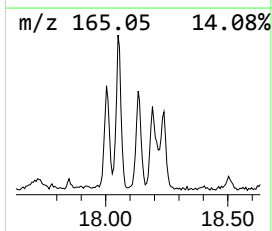
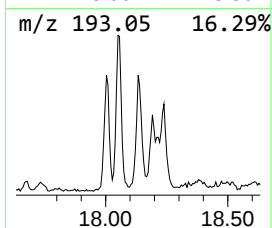
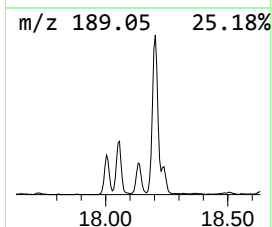
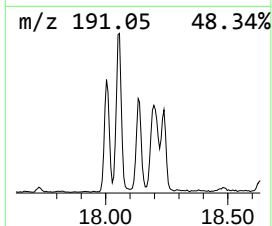
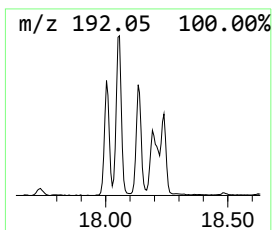
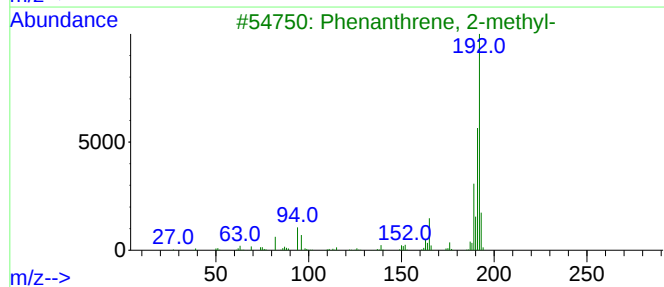
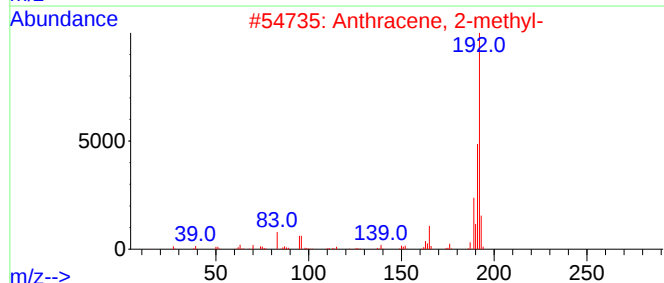
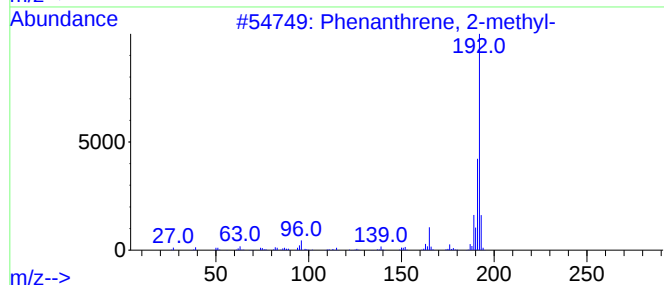
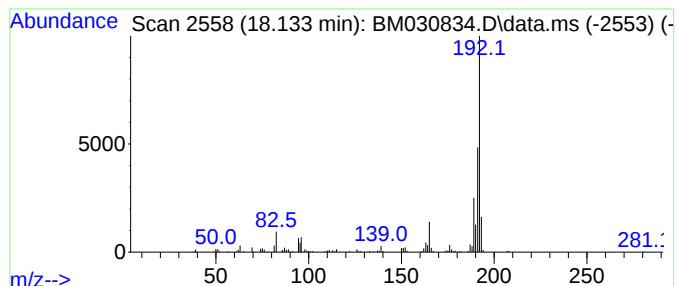
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Quant Title : SVOA CALIBRATION

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

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Peak Number 3 Anthracene, 2-methyl- Concentration Rank 8

| R.T.   | EstConc    | Area   | Relative to ISTD | R.T.   |
|--------|------------|--------|------------------|--------|
| 18.130 | 2.88 ng/ul | 222747 | Phenanthrene-d10 | 17.133 |

| 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, 2-methyl- | 192 | C15H12  | 002531-84-2 | 96   |
| 4    |    |   | Phenanthrene, 1-methyl- | 192 | C15H12  | 000832-69-9 | 96   |
| 5    |    |   | Phenanthrene, 1-methyl- | 192 | C15H12  | 000832-69-9 | 95   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM070621\  
Data File : BM030834.D  
Acq On : 06 Jul 2021 23:59  
Operator : CG/JU  
Sample : M2869-06DL 5X  
Misc :  
ALS Vial : 12 Sample Multiplier: 1

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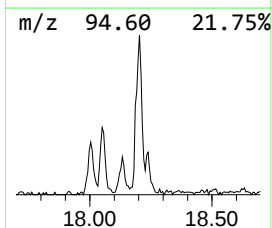
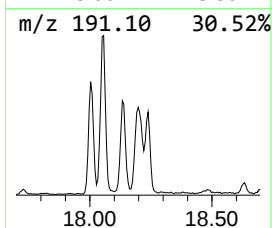
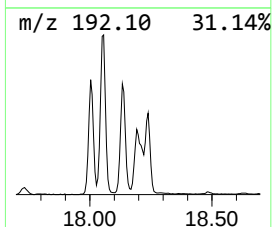
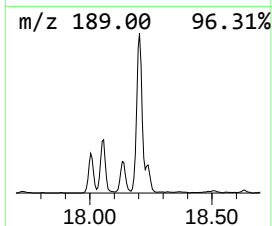
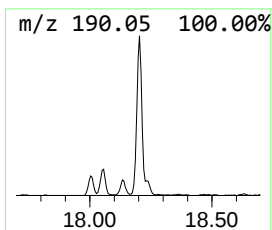
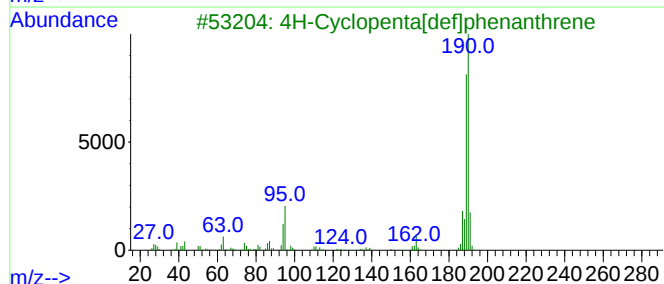
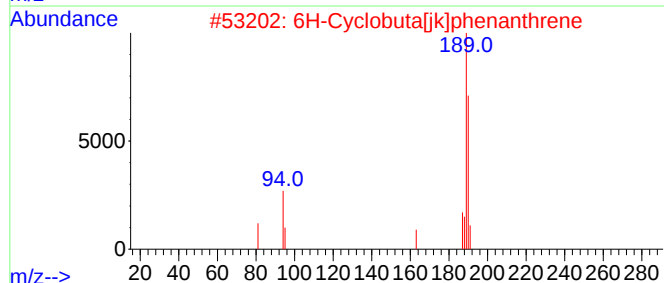
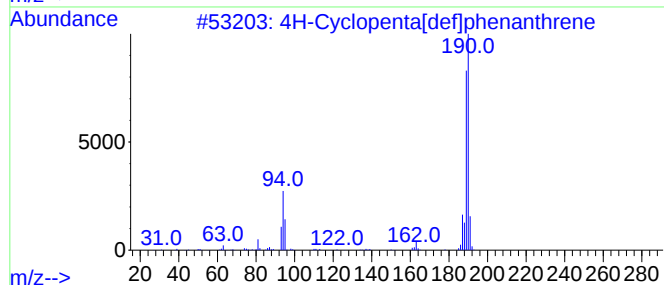
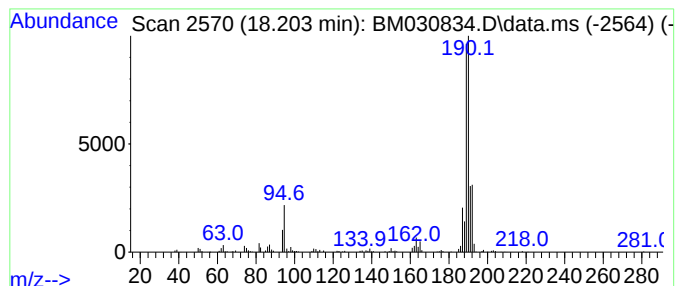
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Quant Title : SVOA CALIBRATION

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

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Peak Number 4 4H-Cyclopenta[def]phenanthrene Concentration Rank 1

| R.T.   | EstConc    | Area   | Relative to ISTD | R.T.   |
|--------|------------|--------|------------------|--------|
| 18.200 | 6.28 ng/ul | 485589 | Phenanthrene-d10 | 17.133 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm  | CAS#        | Qual |
|------|----|---|-------------------------------------|-----|----------|-------------|------|
| 1    |    |   | 4H-Cyclopenta[def]phenanthrene      | 190 | C15H10   | 000203-64-5 | 87   |
| 2    |    |   | 6H-Cyclobuta[jk]phenanthrene        | 190 | C15H10   | 083469-43-6 | 72   |
| 3    |    |   | 4H-Cyclopenta[def]phenanthrene      | 190 | C15H10   | 000203-64-5 | 70   |
| 4    |    |   | 4H-Cyclopenta[def]phenanthrene      | 190 | C15H10   | 000203-64-5 | 64   |
| 5    |    |   | 2,3,5,6-Tetramethylterephthalald... | 190 | C12H14O2 | 007072-01-7 | 50   |



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Data File : BM030834.D  
Acq On : 06 Jul 2021 23:59  
Operator : CG/JU  
Sample : M2869-06DL 5X  
Misc :  
ALS Vial : 12 Sample Multiplier: 1

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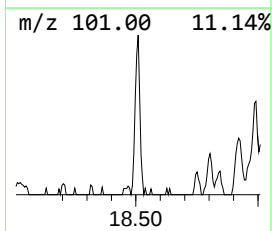
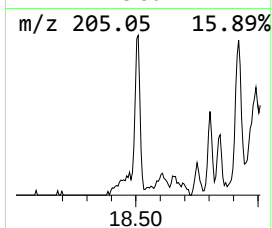
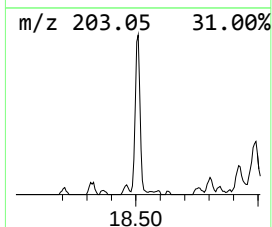
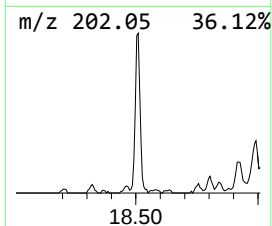
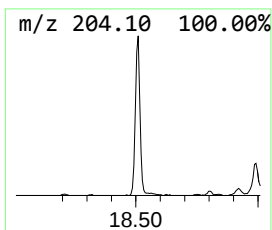
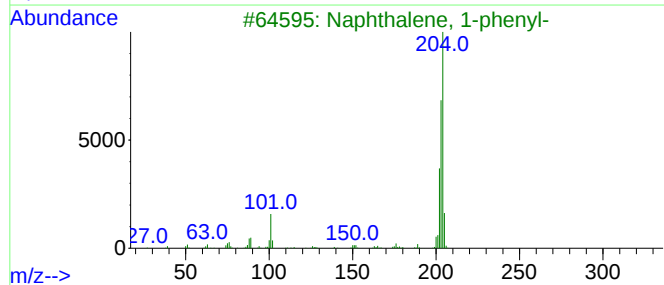
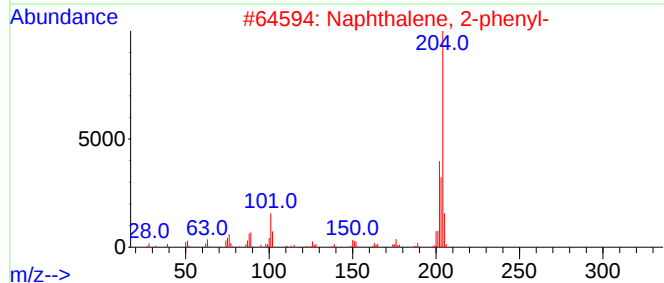
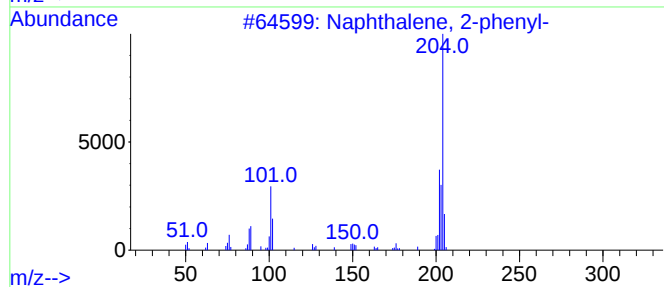
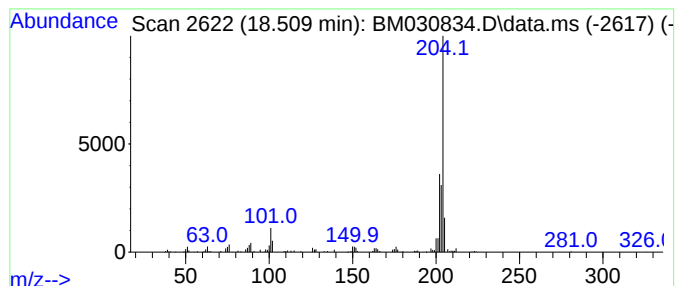
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Quant Title : SVOA CALIBRATION

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

\*\*\*\*\*  
Peak Number 5 Naphthalene, 2-phenyl- Concentration Rank 10

| R.T.   | EstConc    | Area   | Relative to ISTD | R.T.   |
|--------|------------|--------|------------------|--------|
| 18.510 | 2.28 ng/ul | 176640 | Phenanthrene-d10 | 17.133 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm   | CAS#        | Qual |
|------|----|---|-------------------------------------|-----|-----------|-------------|------|
| 1    |    |   | Naphthalene, 2-phenyl-              | 204 | C16H12    | 000612-94-2 | 95   |
| 2    |    |   | Naphthalene, 2-phenyl-              | 204 | C16H12    | 000612-94-2 | 90   |
| 3    |    |   | Naphthalene, 1-phenyl-              | 204 | C16H12    | 000605-02-7 | 86   |
| 4    |    |   | 9,10-di(Chloromethyl)anthracene     | 274 | C16H12Cl2 | 010387-13-0 | 83   |
| 5    |    |   | Tricyclo[8.2.2.2(4,7)]hexadeca-2... | 204 | C16H12    | 006572-60-7 | 80   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM070621\  
Data File : BM030834.D  
Acq On : 06 Jul 2021 23:59  
Operator : CG/JU  
Sample : M2869-06DL 5X  
Misc :  
ALS Vial : 12 Sample Multiplier: 1

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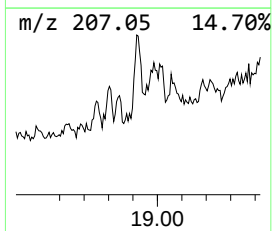
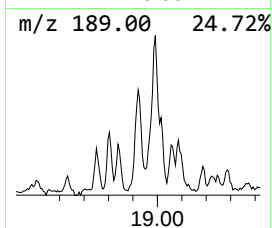
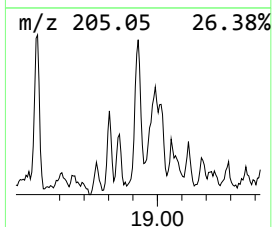
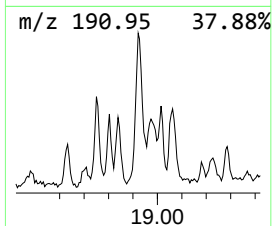
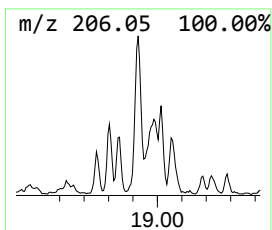
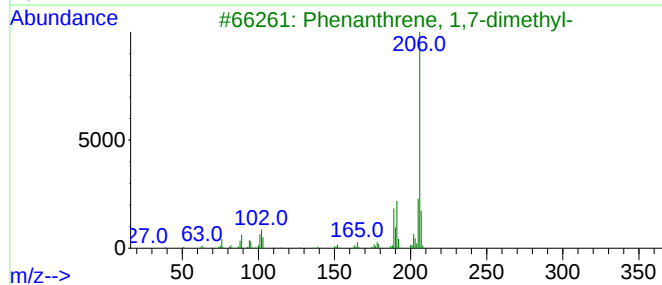
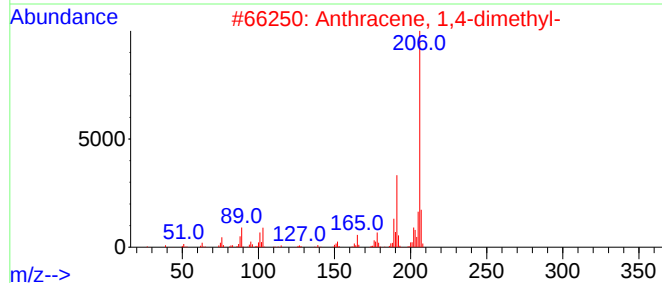
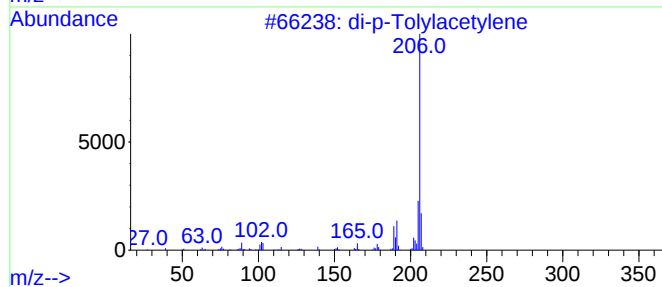
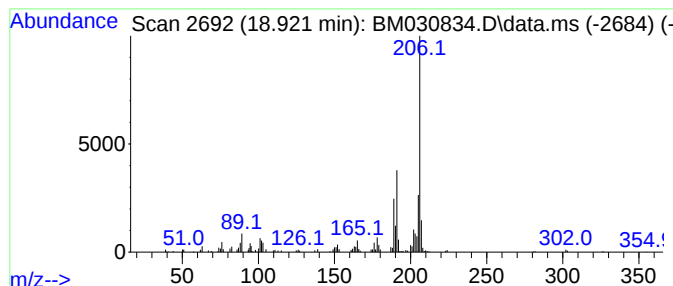
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Quant Title : SVOA CALIBRATION

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

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Peak Number 6 di-p-Tolylacetylene Concentration Rank 9

| R.T.   | EstConc    | Area   | Relative to ISTD | R.T.   |
|--------|------------|--------|------------------|--------|
| 18.920 | 2.38 ng/ul | 184098 | Phenanthrene-d10 | 17.133 |

| Hit# | of | 5 | Tentative ID                       | MW  | MolForm | CAS#        | Qual |
|------|----|---|------------------------------------|-----|---------|-------------|------|
| 1    |    |   | di-p-Tolylacetylene                | 206 | C16H14  | 002789-88-0 | 94   |
| 2    |    |   | Anthracene, 1,4-dimethyl-          | 206 | C16H14  | 000781-92-0 | 93   |
| 3    |    |   | Phenanthrene, 1,7-dimethyl-        | 206 | C16H14  | 000483-87-4 | 93   |
| 4    |    |   | Phenanthrene, 2,5-dimethyl-        | 206 | C16H14  | 003674-66-6 | 91   |
| 5    |    |   | Naphthalene, 1,2-dihydro-4-phenyl- | 206 | C16H14  | 007469-40-1 | 91   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM070621\  
Data File : BM030834.D  
Acq On : 06 Jul 2021 23:59  
Operator : CG/JU  
Sample : M2869-06DL 5X  
Misc :  
ALS Vial : 12 Sample Multiplier: 1

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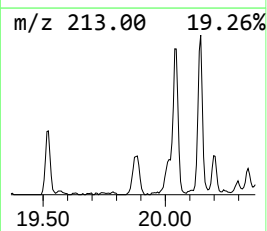
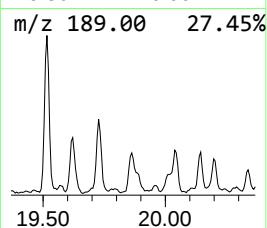
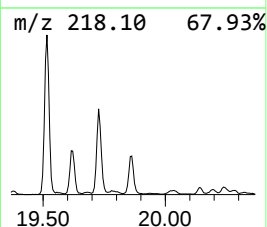
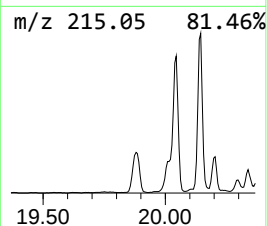
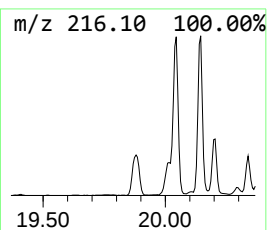
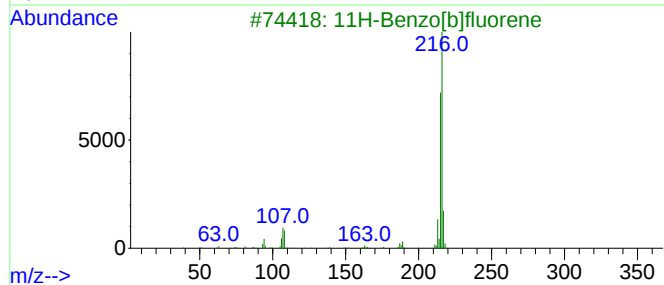
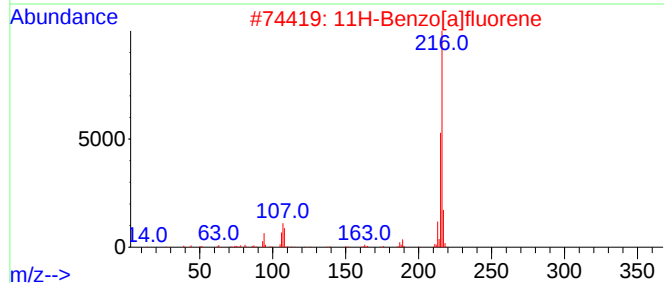
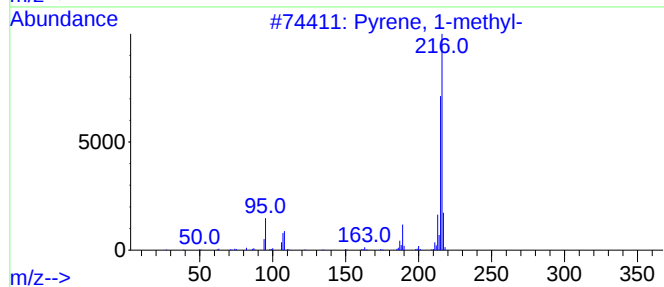
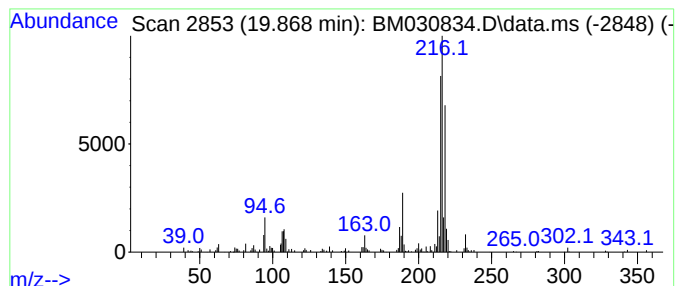
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Quant Title : SVOA CALIBRATION

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

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Peak Number 7 Pyrene, 1-methyl- Concentration Rank 11

| R.T.   | EstConc    | Area   | Relative to ISTD | R.T.   |
|--------|------------|--------|------------------|--------|
| 19.870 | 2.17 ng/ul | 284013 | Chrysene-d12     | 21.303 |

| Hit# | of | 5 | Tentative ID            | MW  | MolForm | CAS#        | Qual |
|------|----|---|-------------------------|-----|---------|-------------|------|
| 1    |    |   | Pyrene, 1-methyl-       | 216 | C17H12  | 002381-21-7 | 91   |
| 2    |    |   | 11H-Benzo[a]fluorene    | 216 | C17H12  | 000238-84-6 | 86   |
| 3    |    |   | 11H-Benzo[b]fluorene    | 216 | C17H12  | 000243-17-4 | 86   |
| 4    |    |   | Fluoranthene, 2-methyl- | 216 | C17H12  | 033543-31-6 | 83   |
| 5    |    |   | Pyrene, 1-methyl-       | 216 | C17H12  | 002381-21-7 | 64   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM070621\  
Data File : BM030834.D  
Acq On : 06 Jul 2021 23:59  
Operator : CG/JU  
Sample : M2869-06DL 5X  
Misc :  
ALS Vial : 12 Sample Multiplier: 1

Instrument :  
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ClientSampleId :  
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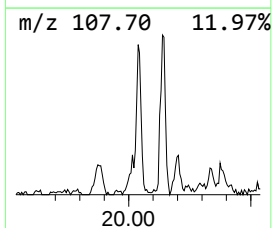
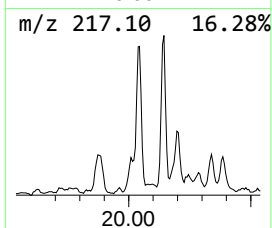
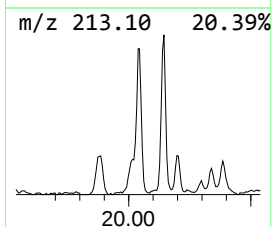
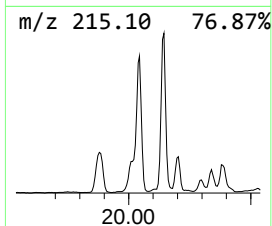
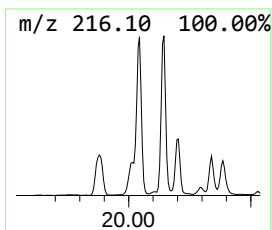
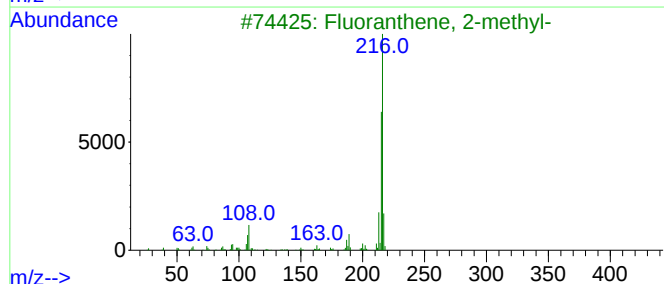
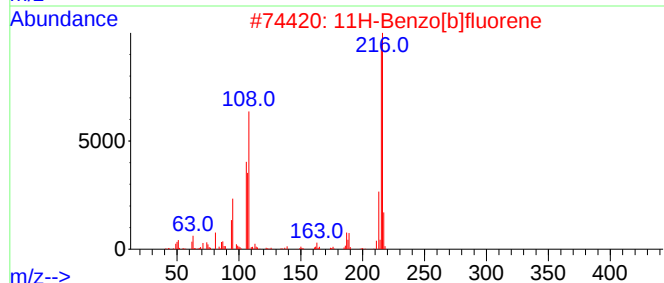
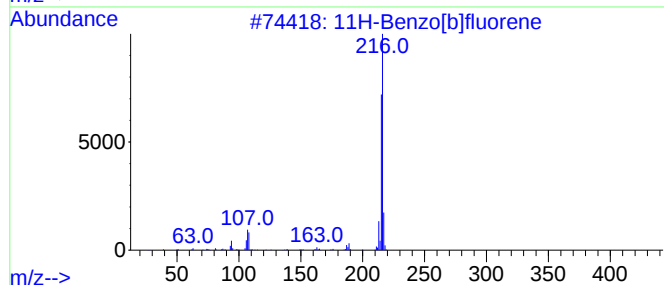
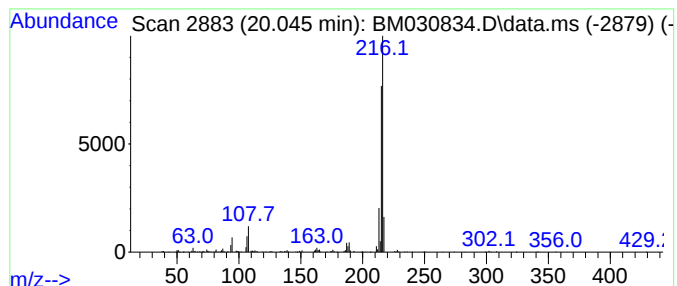
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Quant Title : SVOA CALIBRATION

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

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Peak Number 8 11H-Benzo[b]fluorene Concentration Rank 4

| R.T.   | EstConc    | Area   | Relative to ISTD | R.T.   |
|--------|------------|--------|------------------|--------|
| 20.040 | 3.52 ng/ul | 460848 | Chrysene-d12     | 21.303 |

| Hit# | of | 5 | Tentative ID            | MW  | MolForm | CAS#        | Qual |
|------|----|---|-------------------------|-----|---------|-------------|------|
| 1    |    |   | 11H-Benzo[b]fluorene    | 216 | C17H12  | 000243-17-4 | 95   |
| 2    |    |   | 11H-Benzo[b]fluorene    | 216 | C17H12  | 000243-17-4 | 93   |
| 3    |    |   | Fluoranthene, 2-methyl- | 216 | C17H12  | 033543-31-6 | 87   |
| 4    |    |   | 11H-Benzo[a]fluorene    | 216 | C17H12  | 000238-84-6 | 87   |
| 5    |    |   | Pyrene, 1-methyl-       | 216 | C17H12  | 002381-21-7 | 83   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM070621\  
Data File : BM030834.D  
Acq On : 06 Jul 2021 23:59  
Operator : CG/JU  
Sample : M2869-06DL 5X  
Misc :  
ALS Vial : 12 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
BGDX4DL

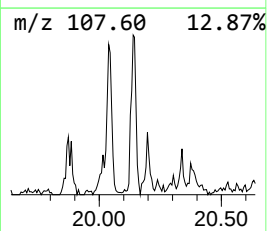
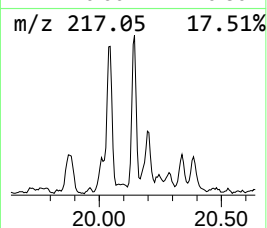
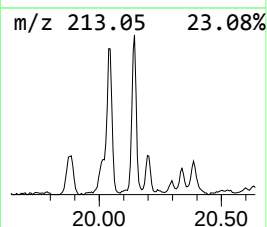
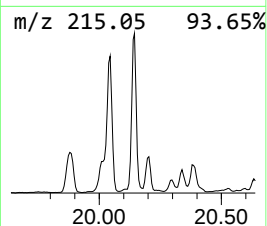
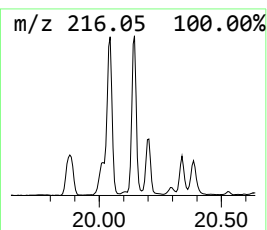
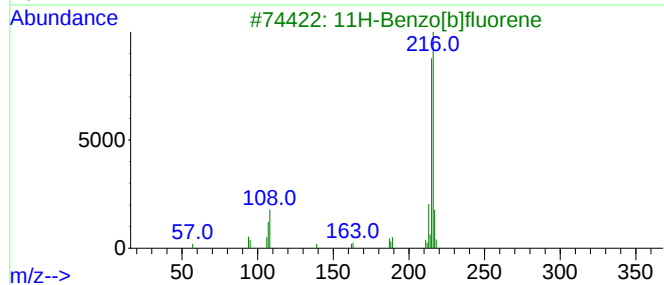
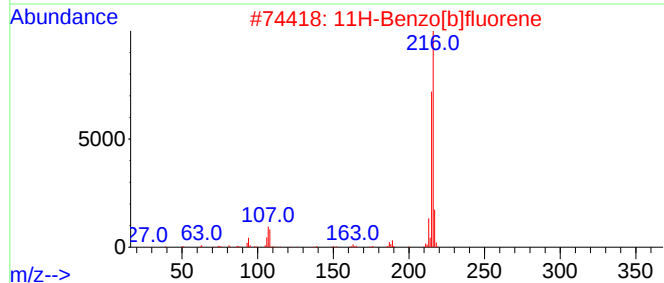
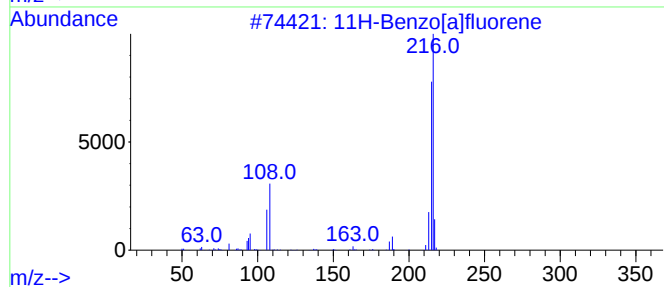
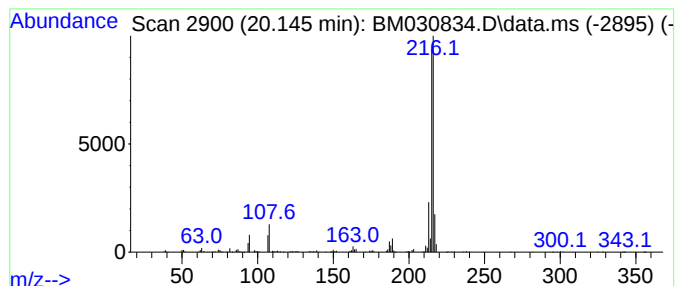
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Quant Title : SVOA CALIBRATION

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

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Peak Number 9 11H-Benzo[a]fluorene Concentration Rank 6

| R.T.   | EstConc    | Area   | Relative to ISTD | R.T.   |
|--------|------------|--------|------------------|--------|
| 20.140 | 3.09 ng/ul | 404487 | Chrysene-d12     | 21.303 |

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



Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM070621\  
Data File : BM030834.D  
Acq On : 06 Jul 2021 23:59  
Operator : CG/JU  
Sample : M2869-06DL 5X  
Misc :  
ALS Vial : 12 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
BGDX4DL

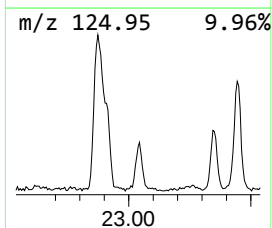
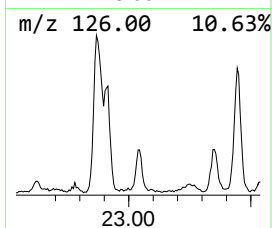
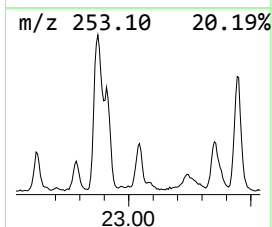
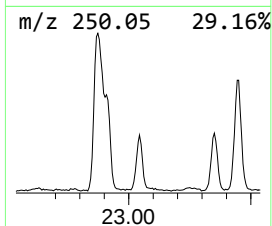
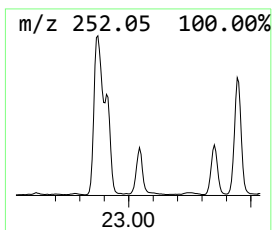
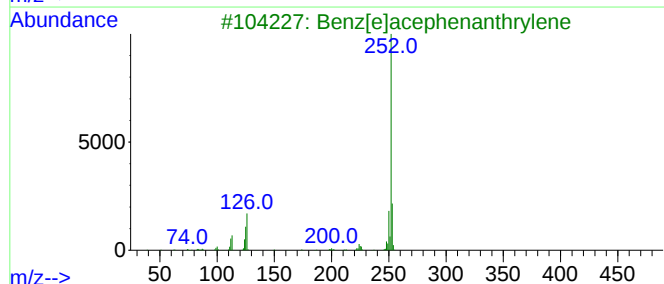
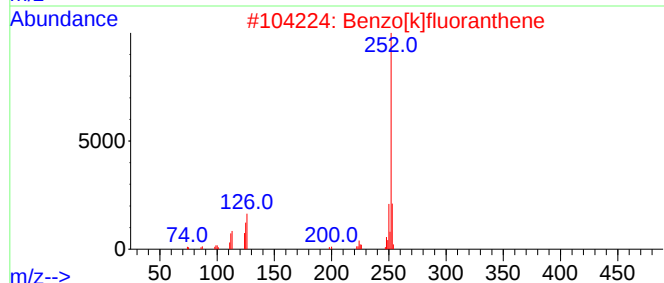
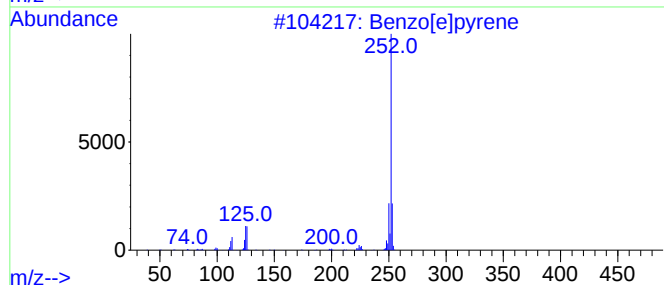
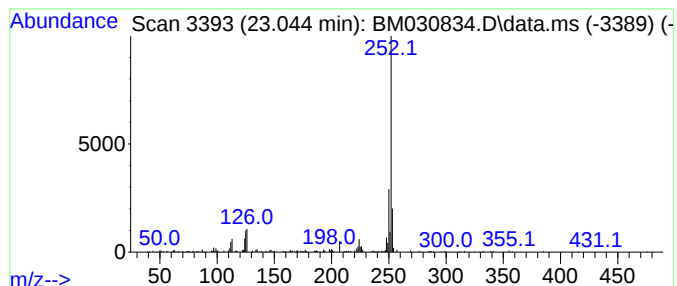
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Quant Title : SVOA CALIBRATION

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

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Peak Number 10 Benzo[e]pyrene Concentration Rank 7

| R.T.   | EstConc    | Area   | Relative to ISTD | R.T.   |
|--------|------------|--------|------------------|--------|
| 23.040 | 3.09 ng/ul | 181859 | Perylene-d12     | 23.544 |

| 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 | 97   |
| 3    |    |   | Benz[e]acephenanthrylene | 252 | C20H12  | 000205-99-2 | 94   |
| 4    |    |   | Benzo[a]pyrene           | 252 | C20H12  | 000050-32-8 | 93   |
| 5    |    |   | Benzo[k]fluoranthene     | 252 | C20H12  | 000207-08-9 | 90   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM070621\  
Data File : BM030834.D  
Acq On : 06 Jul 2021 23:59  
Operator : CG/JU  
Sample : M2869-06DL 5X  
Misc :  
ALS Vial : 12 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
BGDX4DL

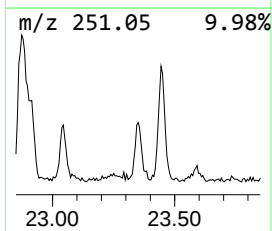
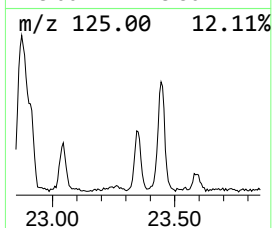
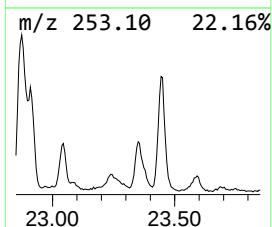
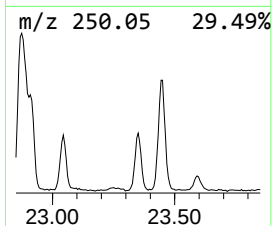
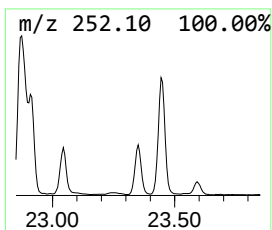
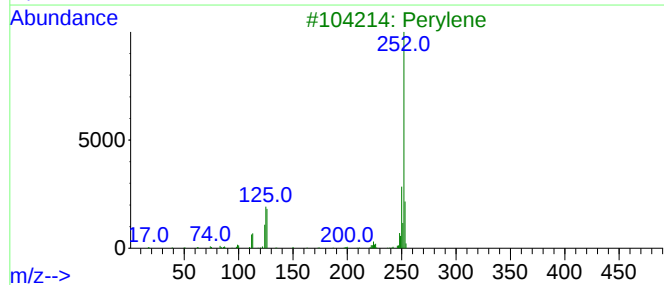
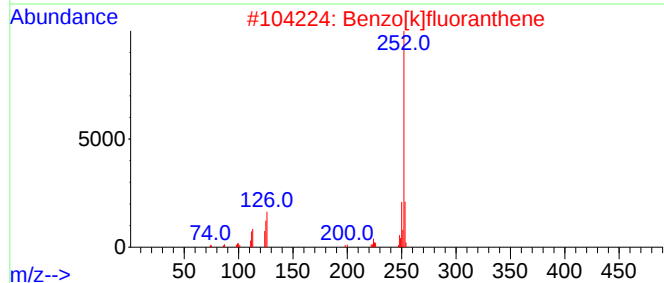
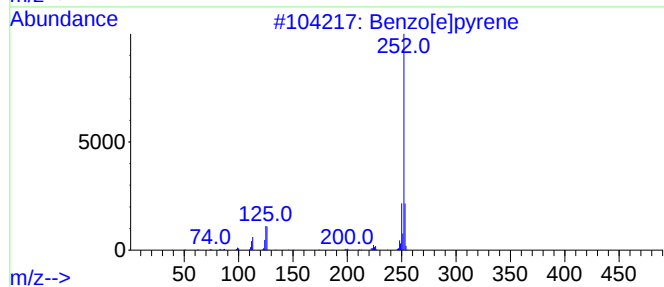
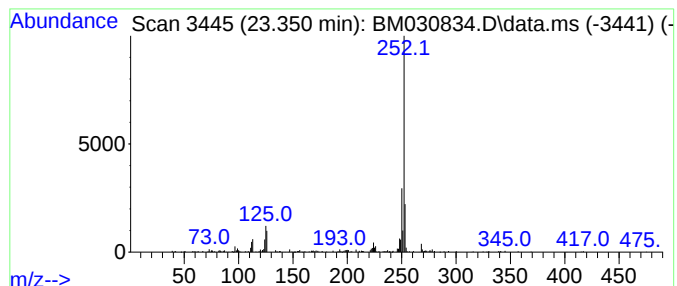
Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SFAM-EPA-BM070621.M  
Quant Title : SVOA CALIBRATION

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

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Peak Number 11 Perylene Concentration Rank 5

| R.T.   | EstConc    | Area   | Relative to ISTD | R.T.   |
|--------|------------|--------|------------------|--------|
| 23.350 | 3.16 ng/ul | 186385 | Perylene-d12     | 23.544 |

| 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 | 97   |
| 3    |    |   | Perylene                 | 252 | C20H12  | 000198-55-0 | 96   |
| 4    |    |   | Perylene                 | 252 | C20H12  | 000198-55-0 | 95   |
| 5    |    |   | Benz[e]acephenanthrylene | 252 | C20H12  | 000205-99-2 | 95   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM070621\  
Data File : BM030834.D  
Acq On : 06 Jul 2021 23:59  
Operator : CG/JU  
Sample : M2869-06DL 5X  
Misc :  
ALS Vial : 12 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
BGDX4DL

Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SFAM-EPA-BM070621.M  
Quant Title : SVOA CALIBRATION

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

| TIC Top Hit name   | RT     | EstConc | Units | Response | --Internal Standard-- |        |         |      |
|--------------------|--------|---------|-------|----------|-----------------------|--------|---------|------|
|                    |        |         |       |          | #                     | RT     | Resp    | Conc |
| Phenanthrene, 2... | 18.000 | 3.7     | ng/u1 | 284746   | 4                     | 17.133 | 1547220 | 20.0 |
| Phenanthrene, 4... | 18.050 | 4.4     | ng/u1 | 337808   | 4                     | 17.133 | 1547220 | 20.0 |
| Anthracene, 2-m... | 18.130 | 2.9     | ng/u1 | 222747   | 4                     | 17.133 | 1547220 | 20.0 |
| 4H-Cyclopenta[d... | 18.200 | 6.3     | ng/u1 | 485589   | 4                     | 17.133 | 1547220 | 20.0 |
| Naphthalene, 2-... | 18.510 | 2.3     | ng/u1 | 176640   | 4                     | 17.133 | 1547220 | 20.0 |
| di-p-Tolylacety... | 18.920 | 2.4     | ng/u1 | 184098   | 4                     | 17.133 | 1547220 | 20.0 |
| Pyrene, 1-methyl-  | 19.870 | 2.2     | ng/u1 | 284013   | 5                     | 21.303 | 2615180 | 20.0 |
| 11H-Benzo[b]flu... | 20.040 | 3.5     | ng/u1 | 460848   | 5                     | 21.303 | 2615180 | 20.0 |
| 11H-Benzo[a]flu... | 20.140 | 3.1     | ng/u1 | 404487   | 5                     | 21.303 | 2615180 | 20.0 |
| Benzo[e]pyrene     | 23.040 | 3.1     | ng/u1 | 181859   | 6                     | 23.544 | 1178540 | 20.0 |
| Perylene           | 23.350 | 3.2     | ng/u1 | 186385   | 6                     | 23.544 | 1178540 | 20.0 |