

Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN053124\  
 Data File : BN031743.D  
 Acq On : 31 May 2024 15:39  
 Operator : MA/JU  
 Sample : P2549-24DL 2X  
 Misc :  
 ALS Vial : 17 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 BHB2DL

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\_N\Methods\SFAM-EPA-BN052924.MA.M  
 Title : SVOA CALIBRATION

Signal : TIC: BN031743.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         | 3.458       | 75            | 80          | 87           | rVB      | 129600         | 183446        | 1.52%           | 0.110%        |
| 2         | 3.599       | 101           | 104         | 117          | rBV      | 597780         | 880683        | 7.29%           | 0.526%        |
| 3         | 3.705       | 117           | 122         | 130          | rVV      | 188690         | 253909        | 2.10%           | 0.152%        |
| 4         | 6.852       | 648           | 657         | 665          | rBV      | 939314         | 1630952       | 13.50%          | 0.975%        |
| 5         | 7.022       | 680           | 686         | 698          | rVB      | 784744         | 1217872       | 10.08%          | 0.728%        |
| 6         | 7.216       | 712           | 719         | 727          | rBV      | 918506         | 1484491       | 12.29%          | 0.887%        |
| 7         | 7.681       | 790           | 798         | 806          | rBV      | 1939569        | 3083465       | 25.53%          | 1.843%        |
| 8         | 8.381       | 910           | 917         | 925          | rVV      | 991603         | 1633452       | 13.53%          | 0.976%        |
| 9         | 8.834       | 988           | 994         | 1002         | rVV      | 836120         | 1423860       | 11.79%          | 0.851%        |
| 10        | 9.551       | 1110          | 1116        | 1128         | rVB      | 664555         | 1105139       | 9.15%           | 0.660%        |
| 11        | 10.087      | 1195          | 1207        | 1217         | rVV      | 1067862        | 1803099       | 14.93%          | 1.077%        |
| 12        | 10.463      | 1262          | 1271        | 1277         | rBV      | 2555910        | 4511754       | 37.36%          | 2.696%        |
| 13        | 10.516      | 1277          | 1280        | 1286         | rVV      | 134410         | 203349        | 1.68%           | 0.122%        |
| 14        | 10.604      | 1287          | 1295        | 1314         | rVB      | 585454         | 1073200       | 8.89%           | 0.641%        |
| 15        | 11.210      | 1391          | 1398        | 1404         | rBV      | 165505         | 300697        | 2.49%           | 0.180%        |
| 16        | 12.134      | 1549          | 1555        | 1559         | rVV      | 107589         | 176757        | 1.46%           | 0.106%        |
| 17        | 12.351      | 1587          | 1592        | 1601         | rVV      | 111913         | 180492        | 1.49%           | 0.108%        |
| 18        | 13.498      | 1776          | 1787        | 1793         | rBV3     | 63880          | 176963        | 1.47%           | 0.106%        |
| 19        | 13.645      | 1805          | 1812        | 1817         | rBV      | 152058         | 261381        | 2.16%           | 0.156%        |
| 20        | 13.739      | 1823          | 1828        | 1833         | rVV      | 1634422        | 2294068       | 19.00%          | 1.371%        |
| 21        | 13.881      | 1843          | 1852        | 1855         | rVV2     | 79405          | 149782        | 1.24%           | 0.090%        |
| 22        | 14.016      | 1869          | 1875        | 1894         | rVV3     | 1988484        | 3786150       | 31.35%          | 2.262%        |
| 23        | 14.322      | 1918          | 1927        | 1933         | rBV      | 3408031        | 5234508       | 43.34%          | 3.128%        |
| 24        | 14.386      | 1933          | 1938        | 1947         | rVB      | 359464         | 549480        | 4.55%           | 0.328%        |
| 25        | 14.528      | 1956          | 1962        | 1972         | rBV2     | 548428         | 951613        | 7.88%           | 0.569%        |
| 26        | 14.722      | 1991          | 1995        | 2003         | rVB      | 256622         | 419498        | 3.47%           | 0.251%        |
| 27        | 14.798      | 2004          | 2008        | 2013         | rVB      | 96616          | 136665        | 1.13%           | 0.082%        |
| 28        | 14.945      | 2025          | 2033        | 2038         | rBV3     | 103782         | 223389        | 1.85%           | 0.133%        |
| 29        | 15.116      | 2054          | 2062        | 2065         | rBV2     | 79758          | 167301        | 1.39%           | 0.100%        |
| 30        | 15.316      | 2090          | 2096        | 2102         | rVV      | 2246985        | 3260210       | 27.00%          | 1.948%        |
| 31        | 15.375      | 2102          | 2106        | 2113         | rVV      | 422632         | 644555        | 5.34%           | 0.385%        |
| 32        | 15.445      | 2113          | 2118        | 2124         | rVV2     | 214161         | 320509        | 2.65%           | 0.192%        |
| 33        | 15.669      | 2151          | 2156        | 2162         | rVV      | 150870         | 227223        | 1.88%           | 0.136%        |
| 34        | 15.816      | 2173          | 2181        | 2189         | rVB2     | 152615         | 359575        | 2.98%           | 0.215%        |
| 35        | 16.045      | 2214          | 2220        | 2228         | rVV3     | 194883         | 367547        | 3.04%           | 0.220%        |
| 36        | 16.380      | 2266          | 2277        | 2281         | rBV3     | 164503         | 424558        | 3.52%           | 0.254%        |

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 Sample : P2549-24DL 2X  
 Misc :  
 ALS Vial : 17 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 BHBN2DL

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\_N\Methods\SFAM-EPA-BN052924.MA.M  
 Title : SVOA CALIBRATION

|    |        |      |      |      |      |         |          |         |        |
|----|--------|------|------|------|------|---------|----------|---------|--------|
| 37 | 16.422 | 2281 | 2284 | 2290 | rVB2 | 100611  | 156672   | 1.30%   | 0.094% |
| 38 | 16.604 | 2308 | 2315 | 2319 | rBV3 | 118926  | 227500   | 1.88%   | 0.136% |
| 39 | 16.728 | 2331 | 2336 | 2342 | rVB  | 264125  | 405813   | 3.36%   | 0.242% |
| 40 | 16.804 | 2344 | 2349 | 2351 | rBV  | 115519  | 180281   | 1.49%   | 0.108% |
| 41 | 16.886 | 2359 | 2363 | 2373 | rVB  | 293577  | 487944   | 4.04%   | 0.292% |
| 42 | 17.069 | 2388 | 2394 | 2398 | rBV  | 3123522 | 4798271  | 39.73%  | 2.867% |
| 43 | 17.116 | 2398 | 2402 | 2407 | rVV  | 5411404 | 7454300  | 61.72%  | 4.454% |
| 44 | 17.169 | 2407 | 2411 | 2414 | rVV2 | 2038392 | 2921062  | 24.19%  | 1.746% |
| 45 | 17.204 | 2414 | 2417 | 2422 | rVV  | 1178807 | 1559868  | 12.92%  | 0.932% |
| 46 | 17.263 | 2422 | 2427 | 2432 | rVV3 | 190056  | 326970   | 2.71%   | 0.195% |
| 47 | 17.475 | 2455 | 2463 | 2468 | rBV2 | 451318  | 758954   | 6.28%   | 0.454% |
| 48 | 17.592 | 2479 | 2483 | 2488 | rVV2 | 136403  | 186110   | 1.54%   | 0.111% |
| 49 | 17.651 | 2489 | 2493 | 2501 | rVB4 | 201523  | 343585   | 2.84%   | 0.205% |
| 50 | 17.792 | 2513 | 2517 | 2525 | rVB  | 99413   | 176907   | 1.46%   | 0.106% |
| 51 | 17.945 | 2538 | 2543 | 2546 | rVV  | 886295  | 1329231  | 11.01%  | 0.794% |
| 52 | 17.992 | 2546 | 2551 | 2558 | rVV  | 1321779 | 2254941  | 18.67%  | 1.347% |
| 53 | 18.075 | 2561 | 2565 | 2570 | rVV  | 359167  | 535342   | 4.43%   | 0.320% |
| 54 | 18.139 | 2570 | 2576 | 2580 | rVV2 | 1245717 | 2362483  | 19.56%  | 1.412% |
| 55 | 18.175 | 2580 | 2582 | 2588 | rVB  | 650431  | 848637   | 7.03%   | 0.507% |
| 56 | 18.269 | 2593 | 2598 | 2600 | rBV4 | 94038   | 154738   | 1.28%   | 0.092% |
| 57 | 18.339 | 2607 | 2610 | 2615 | rVB2 | 101650  | 152468   | 1.26%   | 0.091% |
| 58 | 18.451 | 2624 | 2629 | 2632 | rBV  | 630022  | 810018   | 6.71%   | 0.484% |
| 59 | 18.492 | 2632 | 2636 | 2642 | rVB2 | 593724  | 837286   | 6.93%   | 0.500% |
| 60 | 18.698 | 2667 | 2671 | 2675 | rVV  | 246913  | 369309   | 3.06%   | 0.221% |
| 61 | 18.751 | 2676 | 2680 | 2683 | rVV  | 267590  | 379213   | 3.14%   | 0.227% |
| 62 | 18.786 | 2683 | 2686 | 2690 | rVB  | 217414  | 280450   | 2.32%   | 0.168% |
| 63 | 18.869 | 2695 | 2700 | 2705 | rBV  | 654079  | 1101487  | 9.12%   | 0.658% |
| 64 | 18.927 | 2705 | 2710 | 2714 | rVV4 | 320859  | 725590   | 6.01%   | 0.434% |
| 65 | 18.963 | 2714 | 2716 | 2720 | rVB  | 228262  | 230143   | 1.91%   | 0.138% |
| 66 | 19.010 | 2720 | 2724 | 2732 | rBV2 | 495079  | 891409   | 7.38%   | 0.533% |
| 67 | 19.133 | 2739 | 2745 | 2751 | rVB  | 8567836 | 12077084 | 100.00% | 7.217% |
| 68 | 19.198 | 2752 | 2756 | 2759 | rBV2 | 200756  | 279541   | 2.31%   | 0.167% |
| 69 | 19.233 | 2759 | 2762 | 2765 | rBV2 | 202338  | 243471   | 2.02%   | 0.145% |
| 70 | 19.280 | 2768 | 2770 | 2774 | rVB  | 275883  | 341500   | 2.83%   | 0.204% |
| 71 | 19.333 | 2776 | 2779 | 2782 | rBV3 | 131406  | 164089   | 1.36%   | 0.098% |
| 72 | 19.380 | 2783 | 2787 | 2790 | rBV  | 246690  | 316497   | 2.62%   | 0.189% |
| 73 | 19.469 | 2797 | 2802 | 2804 | rBV3 | 3393594 | 4837549  | 40.06%  | 2.891% |
| 74 | 19.498 | 2804 | 2807 | 2815 | rVV  | 7705753 | 10610024 | 87.85%  | 6.340% |
| 75 | 19.569 | 2815 | 2819 | 2825 | rVB2 | 455140  | 740575   | 6.13%   | 0.443% |
| 76 | 19.674 | 2833 | 2837 | 2842 | rBV  | 396158  | 574730   | 4.76%   | 0.343% |

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 Sample : P2549-24DL 2X  
 Misc :  
 ALS Vial : 17 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 BHBN2DL

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\_N\Methods\SFAM-EPA-BN052924.MA.M  
 Title : SVOA CALIBRATION

|     |        |      |      |      |      |         |          |        |        |
|-----|--------|------|------|------|------|---------|----------|--------|--------|
| 77  | 19.739 | 2844 | 2848 | 2853 | rVB  | 457181  | 694770   | 5.75%  | 0.415% |
| 78  | 19.827 | 2857 | 2863 | 2868 | rBV3 | 649169  | 1526445  | 12.64% | 0.912% |
| 79  | 19.957 | 2880 | 2885 | 2888 | rBV5 | 489329  | 948583   | 7.85%  | 0.567% |
| 80  | 19.992 | 2888 | 2891 | 2895 | rVB  | 1214786 | 1674045  | 13.86% | 1.000% |
| 81  | 20.092 | 2904 | 2908 | 2912 | rBV  | 815904  | 1080476  | 8.95%  | 0.646% |
| 82  | 20.151 | 2912 | 2918 | 2922 | rVV2 | 875965  | 1433283  | 11.87% | 0.856% |
| 83  | 20.233 | 2929 | 2932 | 2938 | rBV4 | 204986  | 481923   | 3.99%  | 0.288% |
| 84  | 20.292 | 2939 | 2942 | 2946 | rVV2 | 536669  | 716801   | 5.94%  | 0.428% |
| 85  | 20.339 | 2946 | 2950 | 2954 | rVB  | 527583  | 739752   | 6.13%  | 0.442% |
| 86  | 20.745 | 3015 | 3019 | 3026 | rBV  | 795382  | 1172729  | 9.71%  | 0.701% |
| 87  | 20.916 | 3043 | 3048 | 3051 | rBV2 | 660413  | 1064519  | 8.81%  | 0.636% |
| 88  | 20.957 | 3052 | 3055 | 3058 | rVV  | 704836  | 838913   | 6.95%  | 0.501% |
| 89  | 20.998 | 3058 | 3062 | 3067 | rVV2 | 919964  | 1639421  | 13.57% | 0.980% |
| 90  | 21.057 | 3068 | 3072 | 3084 | rVB2 | 935334  | 1684743  | 13.95% | 1.007% |
| 91  | 21.292 | 3107 | 3112 | 3118 | rBV3 | 4979840 | 11382949 | 94.25% | 6.802% |
| 92  | 21.351 | 3118 | 3122 | 3131 | rVB  | 4144253 | 6277098  | 51.98% | 3.751% |
| 93  | 21.486 | 3142 | 3145 | 3152 | rBV  | 447495  | 843495   | 6.98%  | 0.504% |
| 94  | 22.045 | 3237 | 3240 | 3248 | rVB2 | 500597  | 879189   | 7.28%  | 0.525% |
| 95  | 23.321 | 3450 | 3457 | 3464 | rBV2 | 3026667 | 9042162  | 74.87% | 5.403% |
| 96  | 23.551 | 3492 | 3496 | 3504 | rVB  | 641457  | 1288274  | 10.67% | 0.770% |
| 97  | 23.980 | 3562 | 3569 | 3575 | rBV  | 1535333 | 3919512  | 32.45% | 2.342% |
| 98  | 24.045 | 3577 | 3580 | 3585 | rVV2 | 1078934 | 2274508  | 18.83% | 1.359% |
| 99  | 24.109 | 3585 | 3591 | 3603 | rVB  | 2790996 | 6821966  | 56.49% | 4.077% |
| 100 | 24.251 | 3608 | 3615 | 3621 | rBV  | 1827335 | 4386617  | 36.32% | 2.621% |

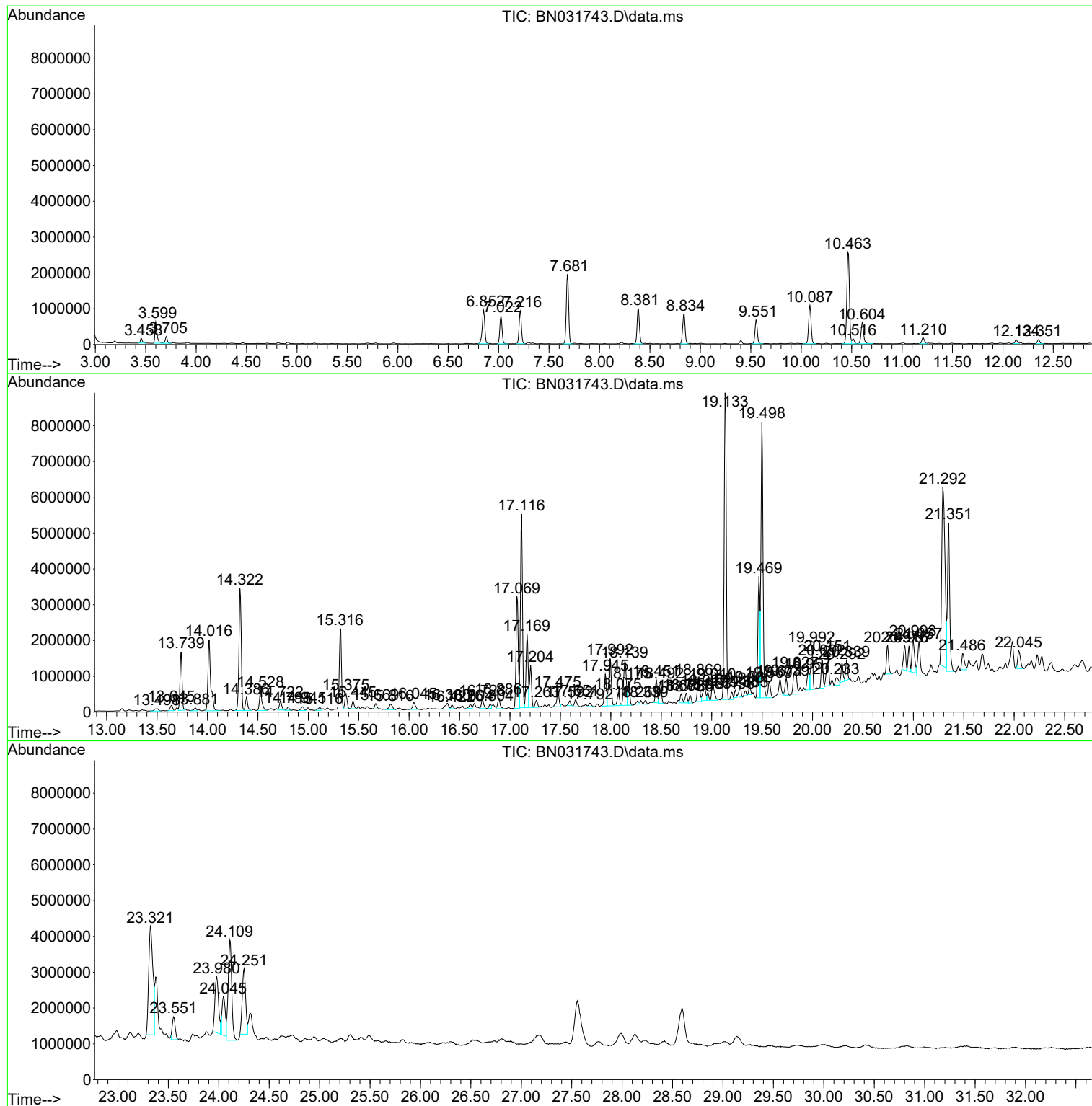
Sum of corrected areas: 167345807

Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN053124\  
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Misc :  
ALS Vial : 17 Sample Multiplier: 1

Instrument :  
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Quant Method : Z:\svoasrv\HPCHEM1\BNA\_N\Methods\SFAM-EPA-BN052924.MA.M  
Quant Title : SVOA CALIBRATION

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



Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN053124\  
Data File : BN031743.D  
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Sample : P2549-24DL 2X  
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ALS Vial : 17 Sample Multiplier: 1

Instrument :  
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ClientSampleId :  
BHBN2DL

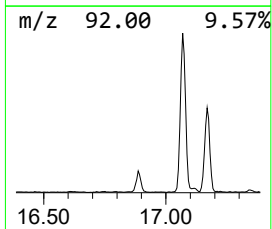
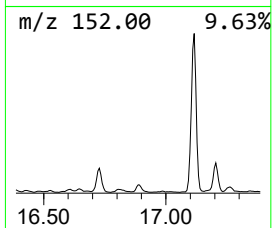
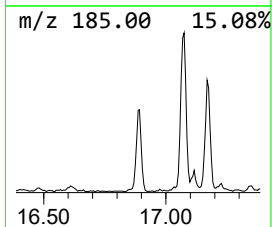
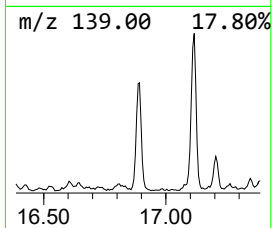
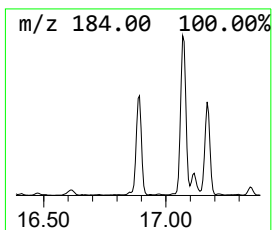
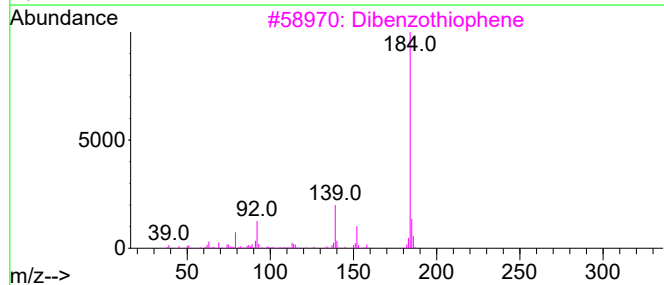
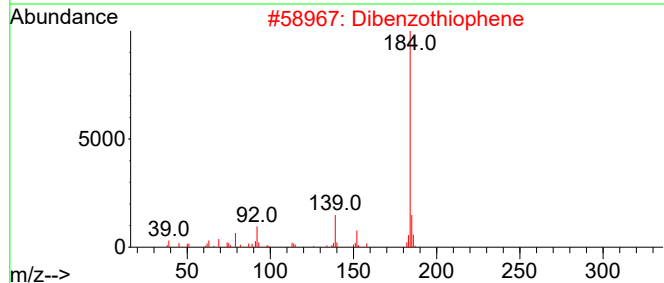
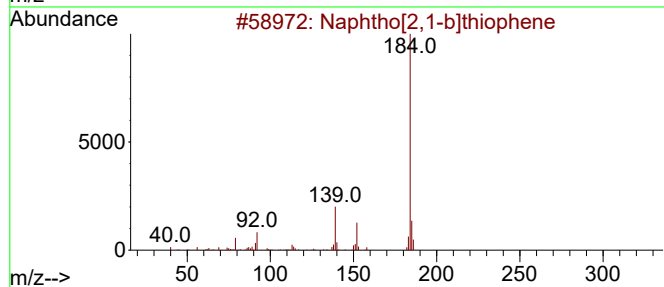
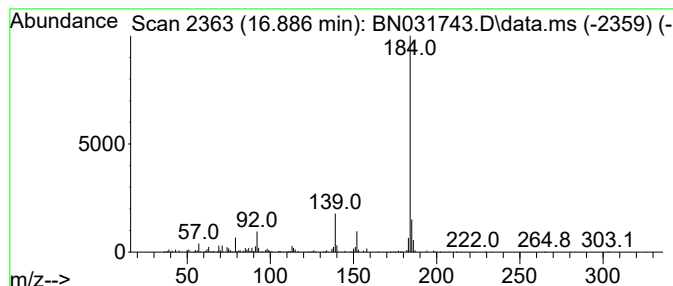
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_N\Methods\SFAM-EPA-BN052924.MA.M  
Quant Title : SVOA CALIBRATION

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

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Peak Number 1 Naphtho[2,1-b]thiophene Concentration Rank 19

| R.T.   | EstConc    | Area   | Relative to ISTD | R.T.   |
|--------|------------|--------|------------------|--------|
| 16.886 | 2.03 ng/ul | 487944 | Phenanthrene-d10 | 17.069 |

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



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ALS Vial : 17 Sample Multiplier: 1

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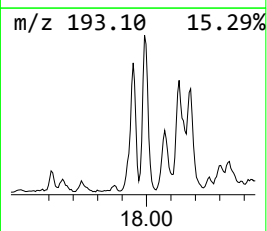
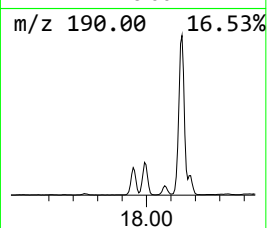
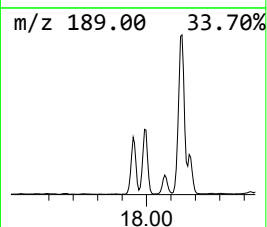
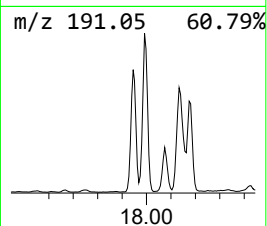
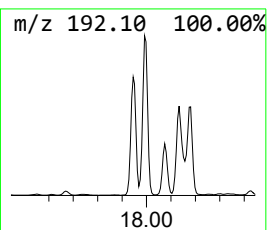
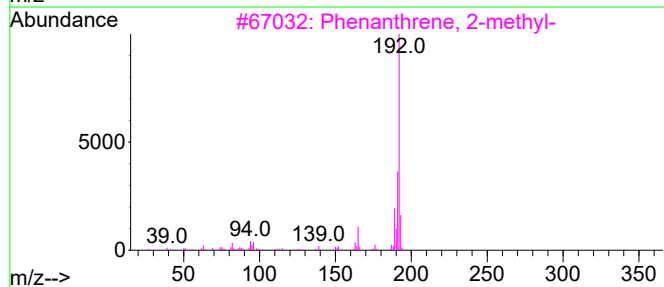
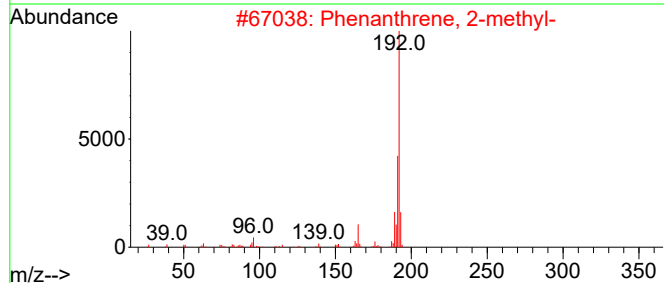
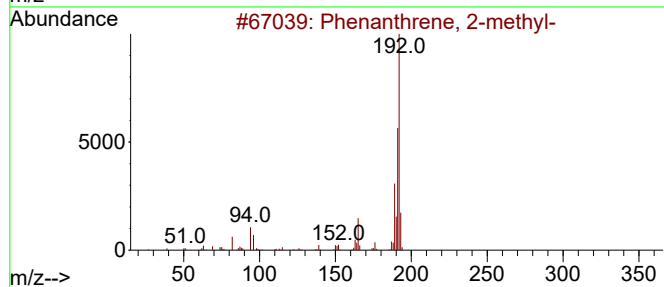
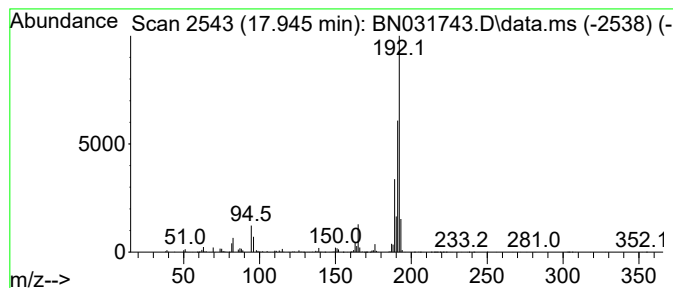
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_N\Methods\SFAM-EPA-BN052924.MA.M  
Quant Title : SVOA CALIBRATION

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

\*\*\*\*\*  
Peak Number 2 Phenanthrene, 2-methyl- Concentration Rank 5

| R.T.   | EstConc    | Area    | Relative to ISTD | R.T.   |
|--------|------------|---------|------------------|--------|
| 17.945 | 5.54 ng/ul | 1329230 | Phenanthrene-d10 | 17.069 |

| Hit# | of | 5 | Tentative ID            | MW  | MolForm | CAS#        | Qual |
|------|----|---|-------------------------|-----|---------|-------------|------|
| 1    |    |   | Phenanthrene, 2-methyl- | 192 | C15H12  | 002531-84-2 | 97   |
| 2    |    |   | Phenanthrene, 2-methyl- | 192 | C15H12  | 002531-84-2 | 96   |
| 3    |    |   | Phenanthrene, 2-methyl- | 192 | C15H12  | 002531-84-2 | 95   |
| 4    |    |   | Anthracene, 2-methyl-   | 192 | C15H12  | 000613-12-7 | 93   |
| 5    |    |   | Phenanthrene, 1-methyl- | 192 | C15H12  | 000832-69-9 | 93   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN053124\  
Data File : BN031743.D  
Acq On : 31 May 2024 15:39  
Operator : MA/JU  
Sample : P2549-24DL 2X  
Misc :  
ALS Vial : 17 Sample Multiplier: 1

Instrument :  
BNA\_N  
ClientSampleId :  
BHB2DL

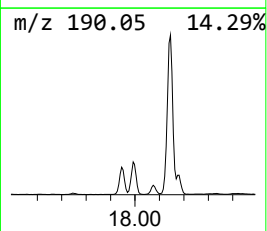
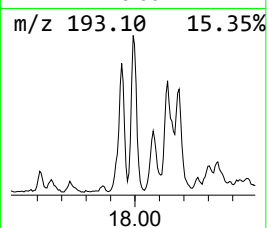
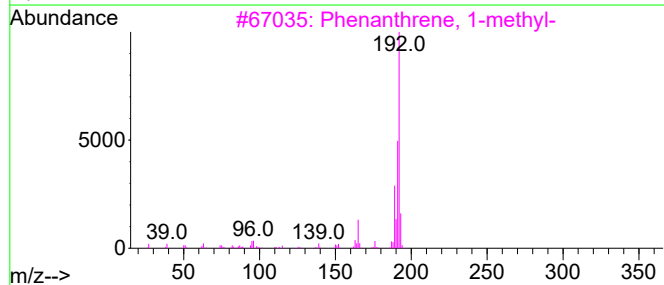
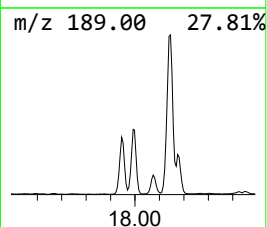
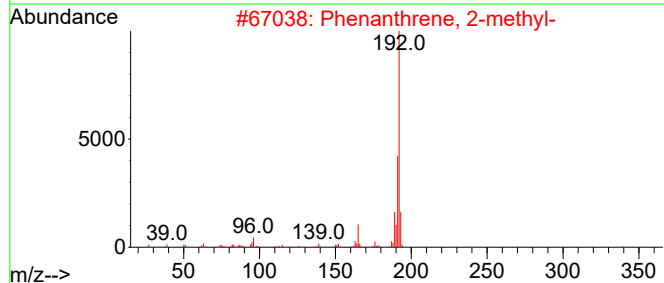
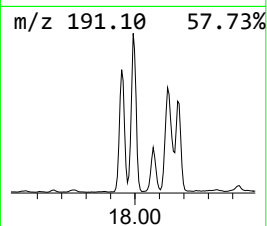
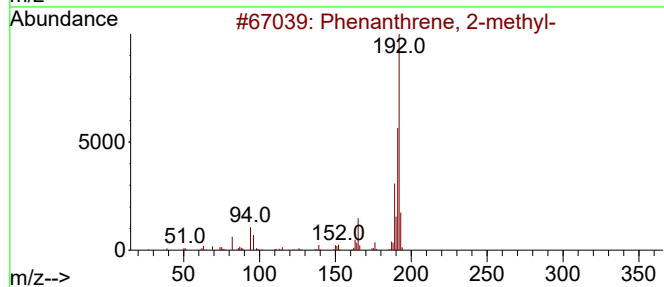
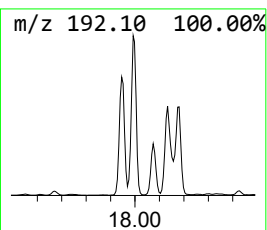
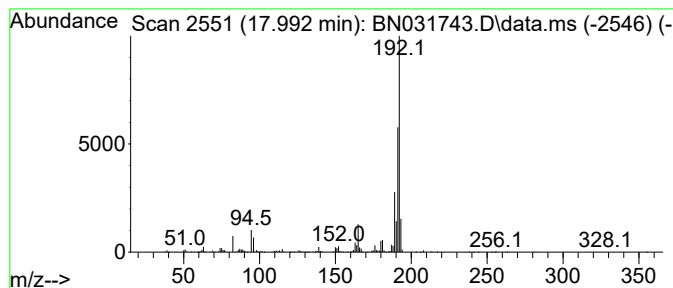
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Quant Title : SVOA CALIBRATION

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

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

| R.T.   | EstConc    | Area    | Relative to ISTD | R.T.   |
|--------|------------|---------|------------------|--------|
| 17.992 | 9.40 ng/ul | 2254940 | Phenanthrene-d10 | 17.069 |

| Hit# | of | 5 | Tentative ID            | MW  | MolForm | CAS#        | Qual |
|------|----|---|-------------------------|-----|---------|-------------|------|
| 1    |    |   | Phenanthrene, 2-methyl- | 192 | C15H12  | 002531-84-2 | 98   |
| 2    |    |   | Phenanthrene, 2-methyl- | 192 | C15H12  | 002531-84-2 | 97   |
| 3    |    |   | Phenanthrene, 1-methyl- | 192 | C15H12  | 000832-69-9 | 96   |
| 4    |    |   | Anthracene, 2-methyl-   | 192 | C15H12  | 000613-12-7 | 96   |
| 5    |    |   | Anthracene, 9-methyl-   | 192 | C15H12  | 000779-02-2 | 95   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN053124\  
Data File : BN031743.D  
Acq On : 31 May 2024 15:39  
Operator : MA/JU  
Sample : P2549-24DL 2X  
Misc :  
ALS Vial : 17 Sample Multiplier: 1

Instrument :  
BNA\_N  
ClientSampleId :  
BHBN2DL

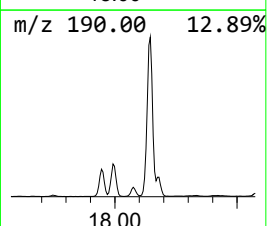
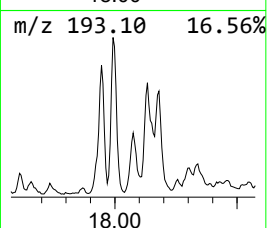
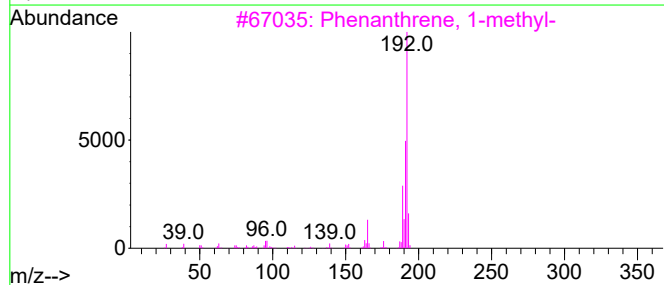
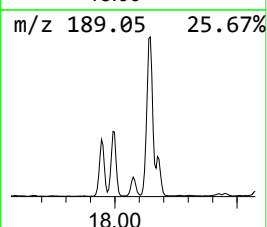
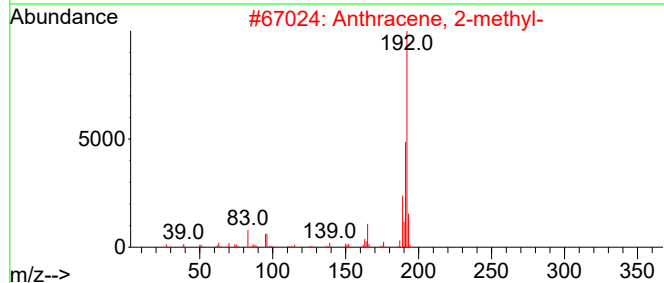
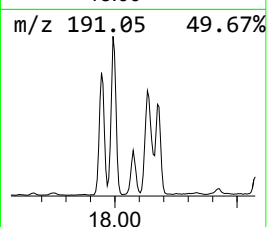
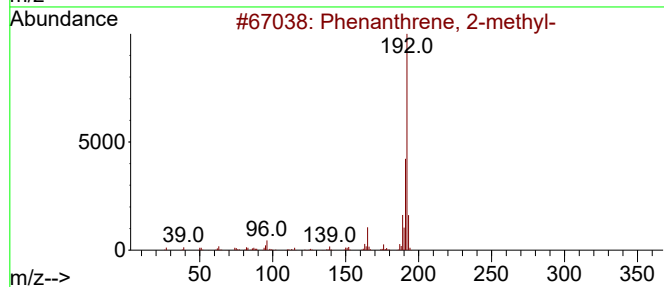
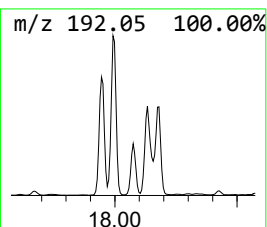
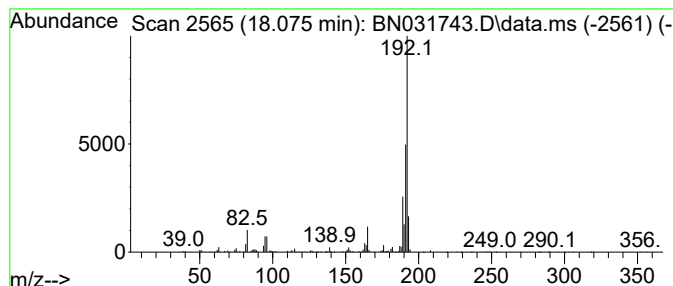
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Quant Title : SVOA CALIBRATION

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

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Peak Number 4 Anthracene, 2-methyl- Concentration Rank 17

| R.T.   | EstConc    | Area   | Relative to ISTD | R.T.   |
|--------|------------|--------|------------------|--------|
| 18.075 | 2.23 ng/ul | 535342 | Phenanthrene-d10 | 17.069 |

| 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 | 96   |
| 3    |    |   | Phenanthrene, 1-methyl- | 192 | C15H12  | 000832-69-9 | 95   |
| 4    |    |   | Phenanthrene, 2-methyl- | 192 | C15H12  | 002531-84-2 | 94   |
| 5    |    |   | 1H-Indene, 2-phenyl-    | 192 | C15H12  | 004505-48-0 | 94   |





Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN053124\  
Data File : BN031743.D  
Acq On : 31 May 2024 15:39  
Operator : MA/JU  
Sample : P2549-24DL 2X  
Misc :  
ALS Vial : 17 Sample Multiplier: 1

Instrument :  
BNA\_N  
ClientSampleId :  
BHB2DL

Quant Method : Z:\svoasrv\HPCHEM1\BNA\_N\Methods\SFAM-EPA-BN052924.MA.M  
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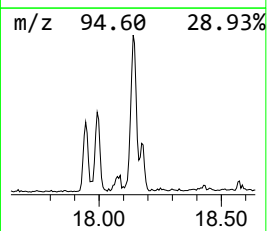
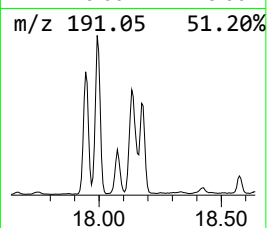
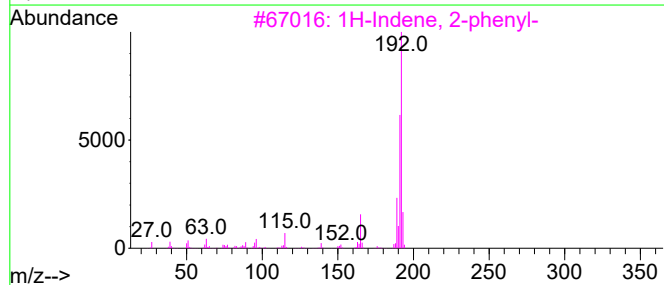
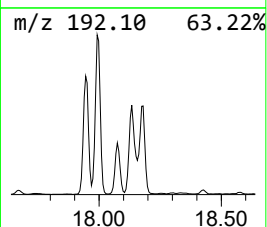
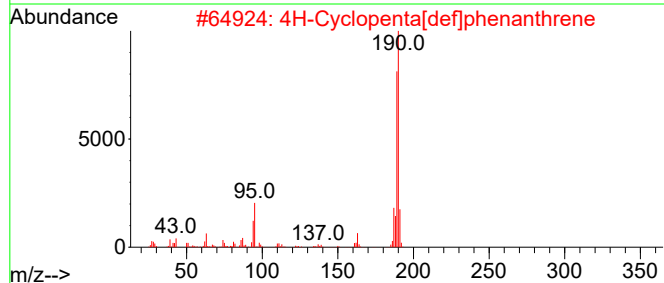
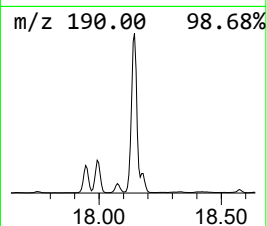
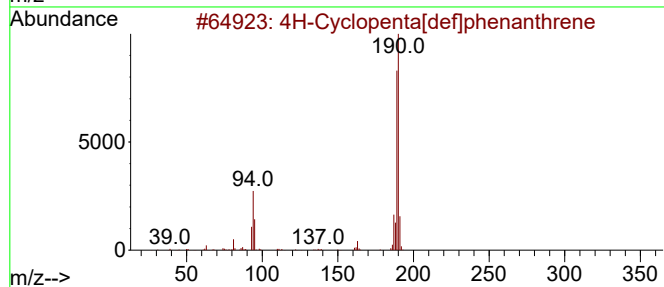
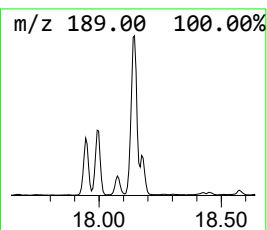
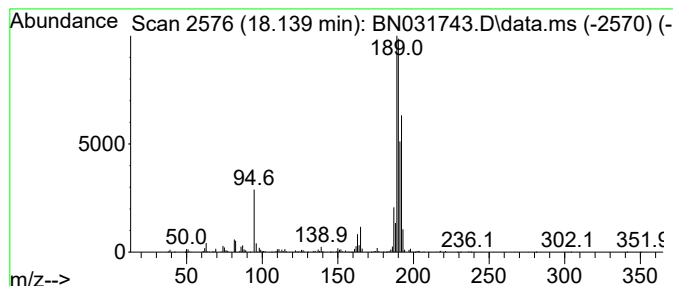
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TIC Integration Parameters: LSCINT.P

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

| R.T.   | EstConc    | Area    | Relative to ISTD | R.T.   |
|--------|------------|---------|------------------|--------|
| 18.139 | 9.85 ng/ul | 2362480 | Phenanthrene-d10 | 17.069 |

| Hit# | of | 5 | Tentative ID                   | MW  | MolForm | CAS#        | Qual |
|------|----|---|--------------------------------|-----|---------|-------------|------|
| 1    |    |   | 4H-Cyclopenta[def]phenanthrene | 190 | C15H10  | 000203-64-5 | 92   |
| 2    |    |   | 4H-Cyclopenta[def]phenanthrene | 190 | C15H10  | 000203-64-5 | 53   |
| 3    |    |   | 1H-Indene, 2-phenyl-           | 192 | C15H12  | 004505-48-0 | 38   |
| 4    |    |   | 5H-Dibenzo[a,d]cycloheptene    | 192 | C15H12  | 000256-81-5 | 25   |
| 5    |    |   | Anthracene, 2-methyl-          | 192 | C15H12  | 000613-12-7 | 25   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN053124\  
Data File : BN031743.D  
Acq On : 31 May 2024 15:39  
Operator : MA/JU  
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Misc :  
ALS Vial : 17 Sample Multiplier: 1

Instrument :  
BNA\_N  
ClientSampleId :  
BHB2DL

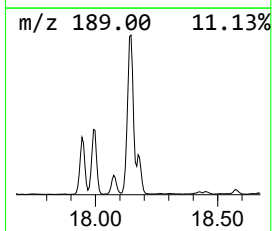
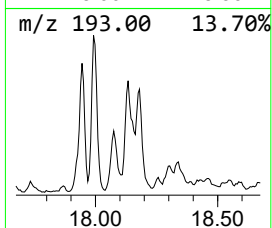
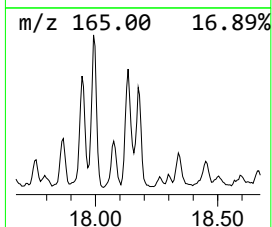
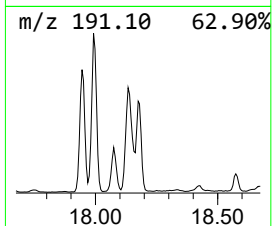
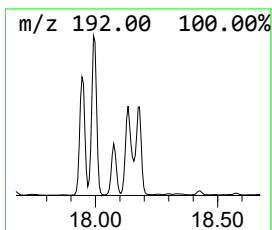
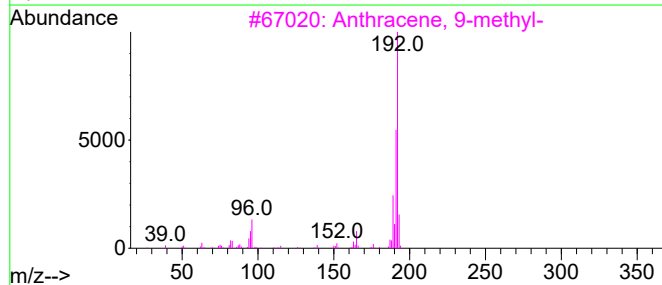
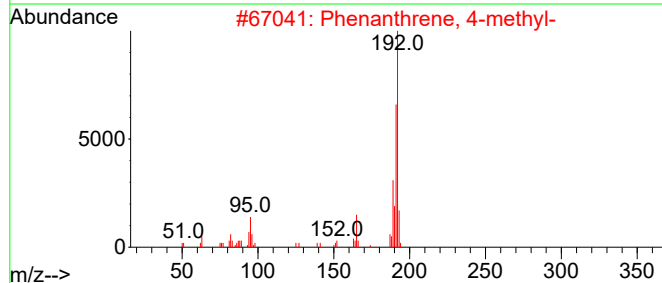
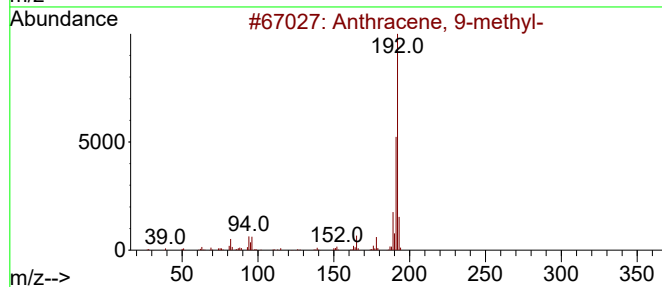
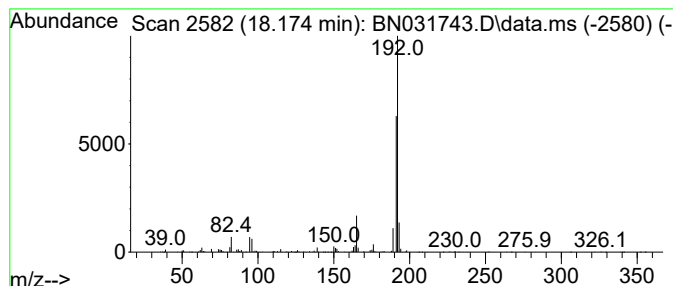
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Quant Title : SVOA CALIBRATION

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

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Peak Number 6 Anthracene, 9-methyl- Concentration Rank 8

| R.T.   | EstConc    | Area   | Relative to ISTD | R.T.   |
|--------|------------|--------|------------------|--------|
| 18.174 | 3.54 ng/ul | 848637 | Phenanthrene-d10 | 17.069 |

| Hit# | of | 5 | Tentative ID            | MW  | MolForm | CAS#        | Qual |
|------|----|---|-------------------------|-----|---------|-------------|------|
| 1    |    |   | Anthracene, 9-methyl-   | 192 | C15H12  | 000779-02-2 | 90   |
| 2    |    |   | Phenanthrene, 4-methyl- | 192 | C15H12  | 000832-64-4 | 90   |
| 3    |    |   | Anthracene, 9-methyl-   | 192 | C15H12  | 000779-02-2 | 87   |
| 4    |    |   | Anthracene, 1-methyl-   | 192 | C15H12  | 000610-48-0 | 87   |
| 5    |    |   | Phenanthrene, 2-methyl- | 192 | C15H12  | 002531-84-2 | 87   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN053124\  
Data File : BN031743.D  
Acq On : 31 May 2024 15:39  
Operator : MA/JU  
Sample : P2549-24DL 2X  
Misc :  
ALS Vial : 17 Sample Multiplier: 1

Instrument :  
BNA\_N  
ClientSampleId :  
BHBN2DL

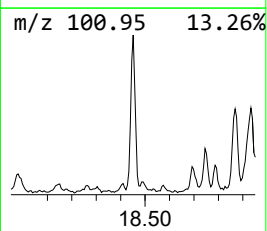
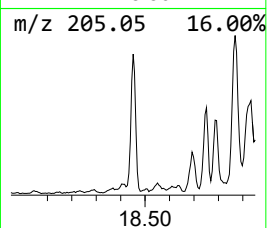
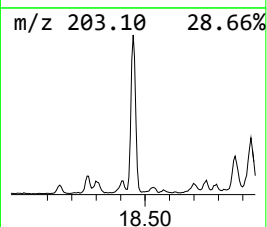
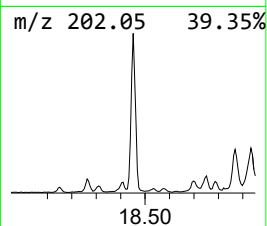
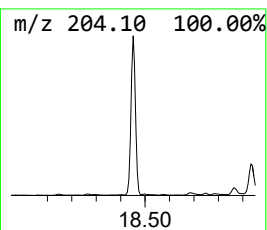
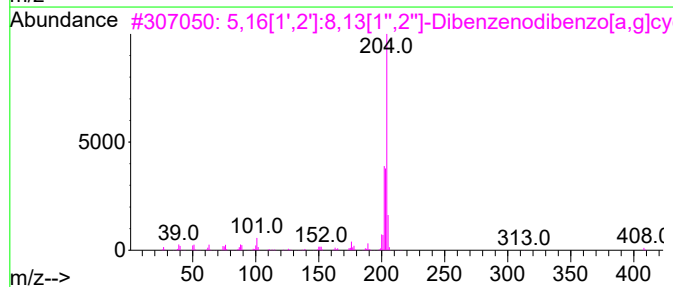
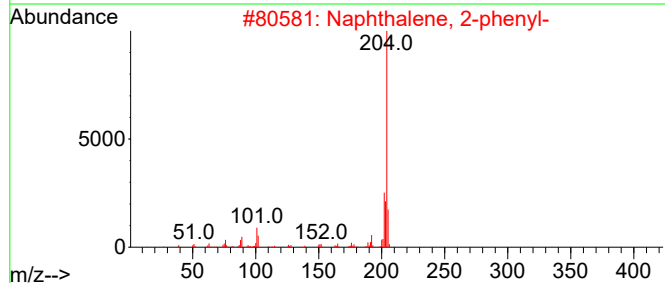
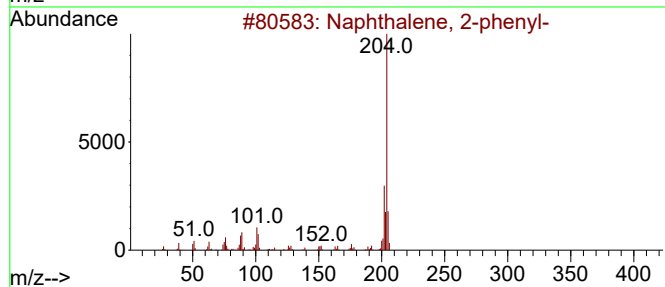
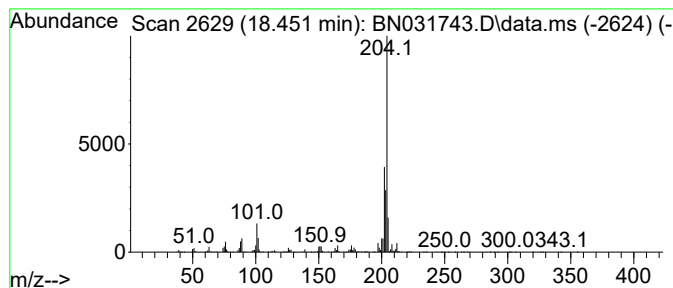
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Quant Title : SVOA CALIBRATION

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

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

| R.T.   | EstConc    | Area   | Relative to ISTD | R.T.   |
|--------|------------|--------|------------------|--------|
| 18.451 | 3.38 ng/ul | 810018 | Phenanthrene-d10 | 17.069 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm | CAS#        | Qual |
|------|----|---|-------------------------------------|-----|---------|-------------|------|
| 1    |    |   | Naphthalene, 2-phenyl-              | 204 | C16H12  | 000612-94-2 | 92   |
| 2    |    |   | Naphthalene, 2-phenyl-              | 204 | C16H12  | 000612-94-2 | 86   |
| 3    |    |   | 5,16[1',2']:8,13[1'',2'']-Dibenz... | 408 | C32H24  | 005672-97-9 | 86   |
| 4    |    |   | Naphthalene, 2-phenyl-              | 204 | C16H12  | 000612-94-2 | 83   |
| 5    |    |   | Naphthalene, 2-phenyl-              | 204 | C16H12  | 000612-94-2 | 83   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN053124\  
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Acq On : 31 May 2024 15:39  
Operator : MA/JU  
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Misc :  
ALS Vial : 17 Sample Multiplier: 1

Instrument :  
BNA\_N  
ClientSampleId :  
BHB2DL

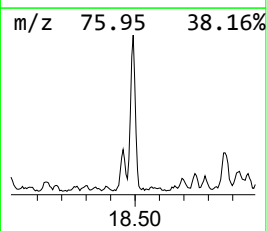
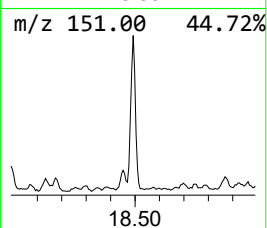
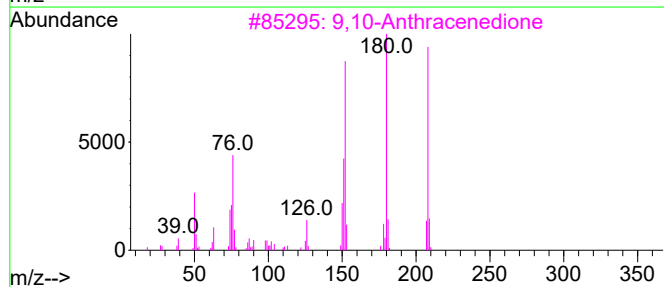
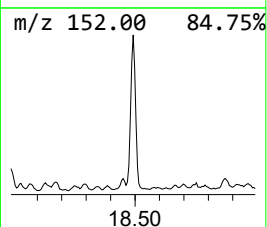
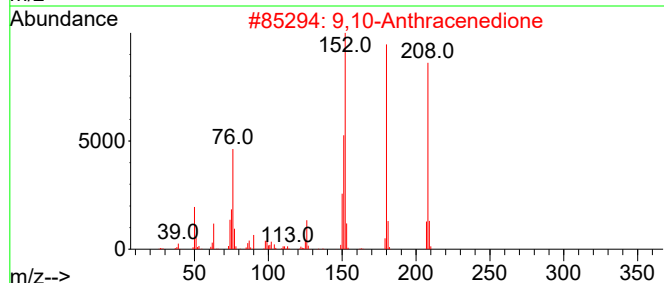
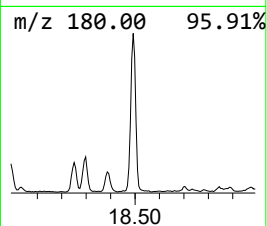
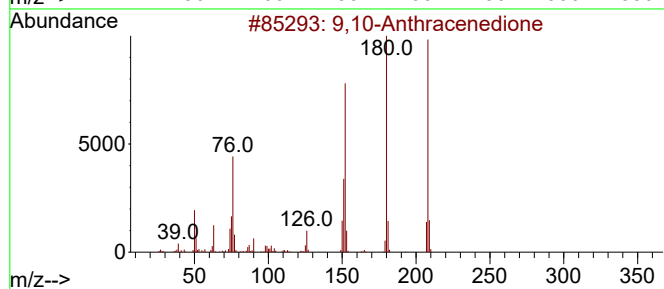
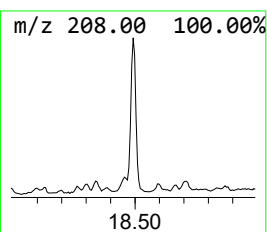
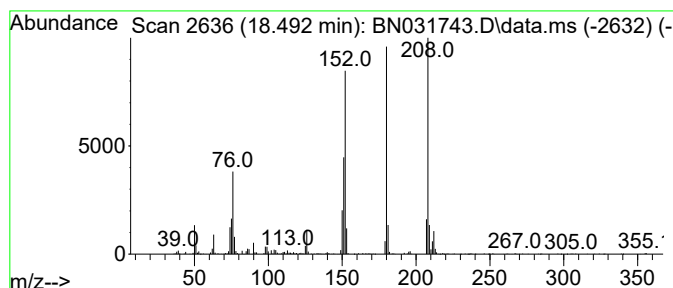
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Quant Title : SVOA CALIBRATION

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

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Peak Number 8 9,10-Anthracenedione Concentration Rank 9

| R.T.   | EstConc    | Area   | Relative to ISTD | R.T.   |
|--------|------------|--------|------------------|--------|
| 18.492 | 3.49 ng/ul | 837286 | Phenanthrene-d10 | 17.069 |

| Hit# | of                   | 5 | Tentative ID | MW  | MolForm | CAS#        | Qual |
|------|----------------------|---|--------------|-----|---------|-------------|------|
| 1    | 9,10-Anthracenedione |   |              | 208 | C14H8O2 | 000084-65-1 | 98   |
| 2    | 9,10-Anthracenedione |   |              | 208 | C14H8O2 | 000084-65-1 | 98   |
| 3    | 9,10-Anthracenedione |   |              | 208 | C14H8O2 | 000084-65-1 | 96   |
| 4    | 9,10-Anthracenedione |   |              | 208 | C14H8O2 | 000084-65-1 | 94   |
| 5    | Benzo[c]cinnoline    |   |              | 180 | C12H8N2 | 000230-17-1 | 91   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN053124\  
Data File : BN031743.D  
Acq On : 31 May 2024 15:39  
Operator : MA/JU  
Sample : P2549-24DL 2X  
Misc :  
ALS Vial : 17 Sample Multiplier: 1

Instrument :  
BNA\_N  
ClientSampleId :  
BHBN2DL

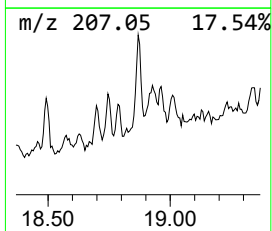
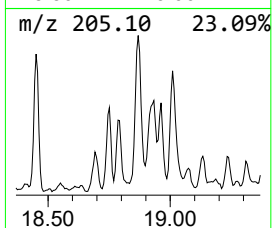
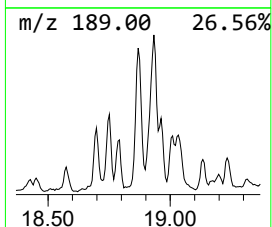
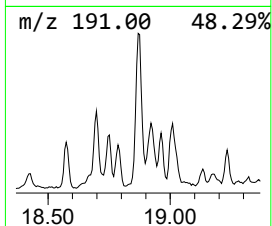
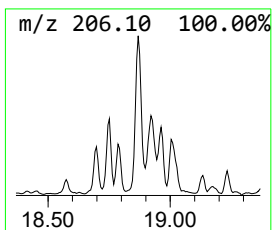
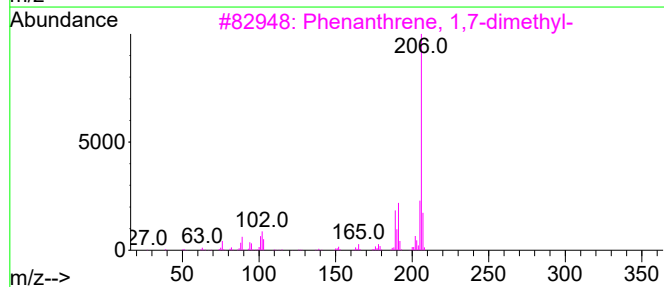
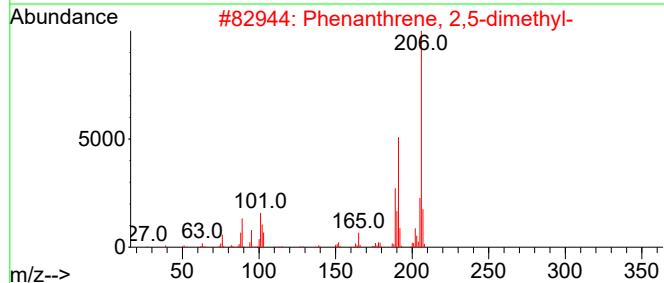
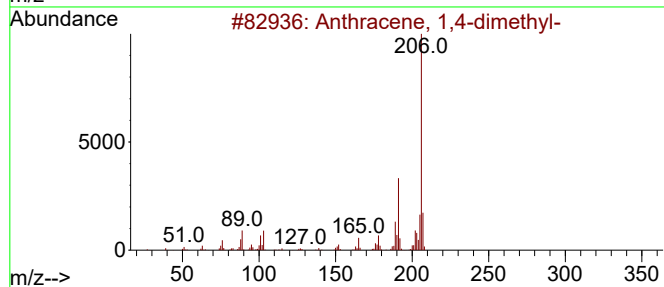
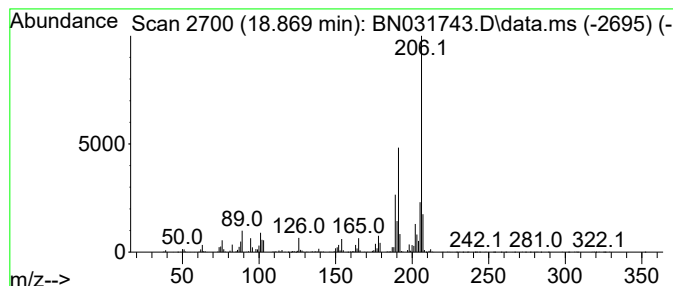
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Quant Title : SVOA CALIBRATION

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

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Peak Number 9 Anthracene, 1,4-dimethyl- Concentration Rank 6

| R.T.   | EstConc    | Area    | Relative to ISTD | R.T.   |
|--------|------------|---------|------------------|--------|
| 18.869 | 4.59 ng/ul | 1101490 | Phenanthrene-d10 | 17.069 |

| Hit# | of | 5 | Tentative ID                | MW  | MolForm | CAS#        | Qual |
|------|----|---|-----------------------------|-----|---------|-------------|------|
| 1    |    |   | Anthracene, 1,4-dimethyl-   | 206 | C16H14  | 000781-92-0 | 93   |
| 2    |    |   | Phenanthrene, 2,5-dimethyl- | 206 | C16H14  | 003674-66-6 | 93   |
| 3    |    |   | Phenanthrene, 1,7-dimethyl- | 206 | C16H14  | 000483-87-4 | 93   |
| 4    |    |   | 9,10-Dimethylanthracene     | 206 | C16H14  | 000781-43-1 | 91   |
| 5    |    |   | di-p-Tolylacetylene         | 206 | C16H14  | 002789-88-0 | 91   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN053124\  
Data File : BN031743.D  
Acq On : 31 May 2024 15:39  
Operator : MA/JU  
Sample : P2549-24DL 2X  
Misc :  
ALS Vial : 17 Sample Multiplier: 1

Instrument :  
BNA\_N  
ClientSampleId :  
BHBN2DL

Quant Method : Z:\svoasrv\HPCHEM1\BNA\_N\Methods\SFAM-EPA-BN052924.MA.M  
Quant Title : SVOA CALIBRATION

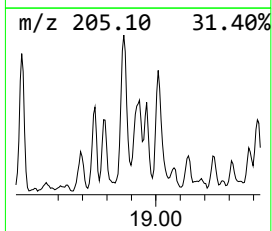
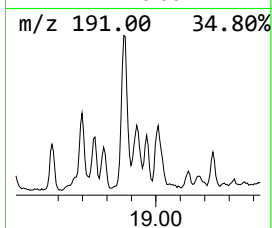
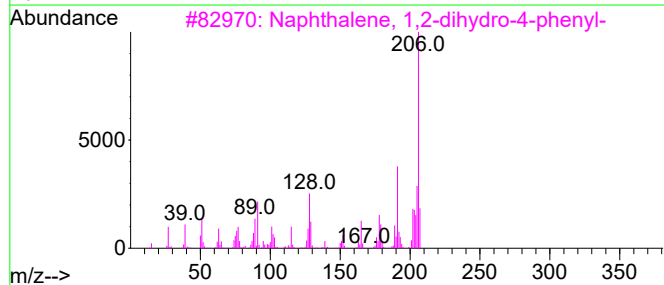
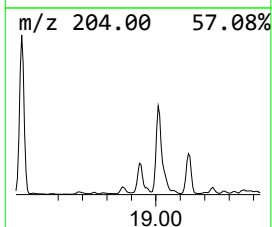
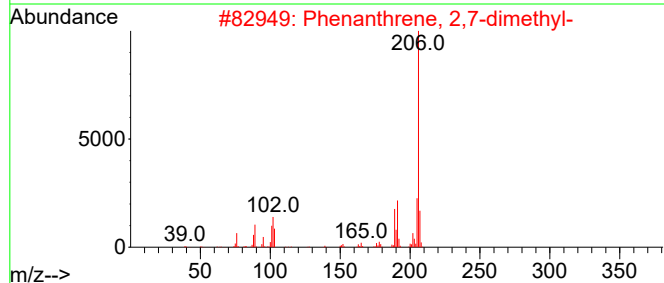
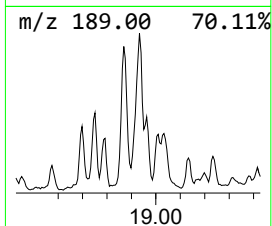
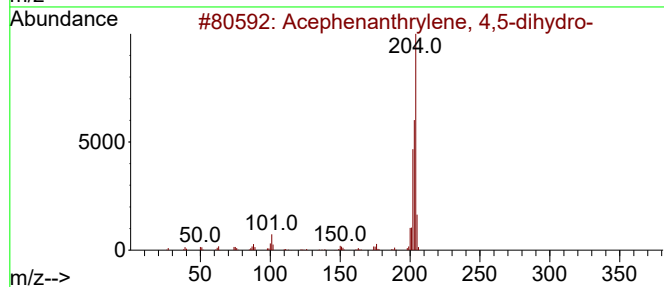
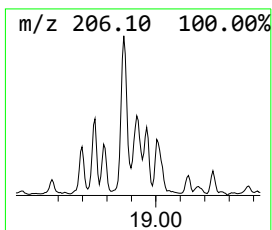
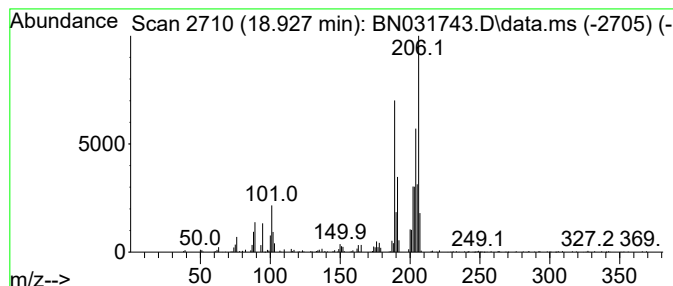
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TIC Integration Parameters: LSCINT.P

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Peak Number 10 Acephenanthrylene, 4,5-dihy... Concentration Rank 11

| R.T.   | EstConc    | Area   | Relative to ISTD | R.T.   |
|--------|------------|--------|------------------|--------|
| 18.927 | 3.02 ng/ul | 725590 | Phenanthrene-d10 | 17.069 |

| Hit# | of | 5 | Tentative ID                       | MW  | MolForm | CAS#        | Qual |
|------|----|---|------------------------------------|-----|---------|-------------|------|
| 1    |    |   | Acephenanthrylene, 4,5-dihydro-    | 204 | C16H12  | 006232-48-0 | 60   |
| 2    |    |   | Phenanthrene, 2,7-dimethyl-        | 206 | C16H14  | 001576-69-8 | 46   |
| 3    |    |   | Naphthalene, 1,2-dihydro-4-phenyl- | 206 | C16H14  | 007469-40-1 | 46   |
| 4    |    |   | Phenanthrene, 2,3-dimethyl-        | 206 | C16H14  | 003674-65-5 | 45   |
| 5    |    |   | Benzene, 1,1'-(1,3-butadienyldi... | 206 | C16H14  | 004165-81-5 | 45   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN053124\  
Data File : BN031743.D  
Acq On : 31 May 2024 15:39  
Operator : MA/JU  
Sample : P2549-24DL 2X  
Misc :  
ALS Vial : 17 Sample Multiplier: 1

Instrument :  
BNA\_N  
ClientSampleId :  
BHB2DL

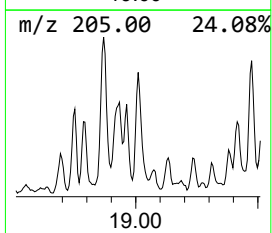
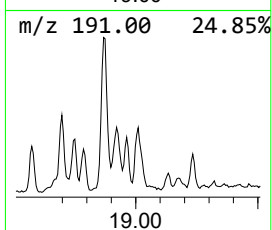
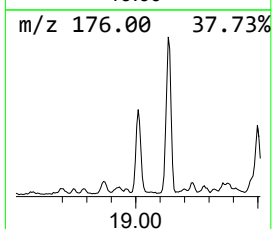
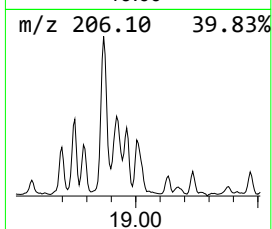
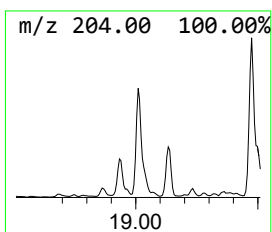
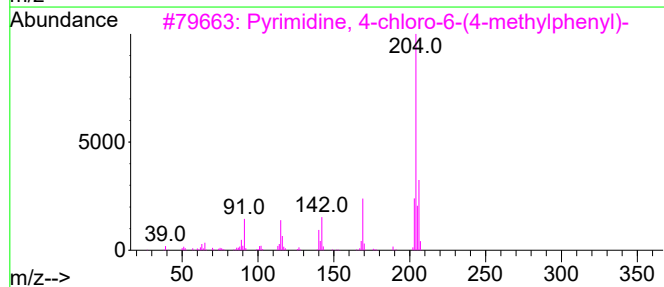
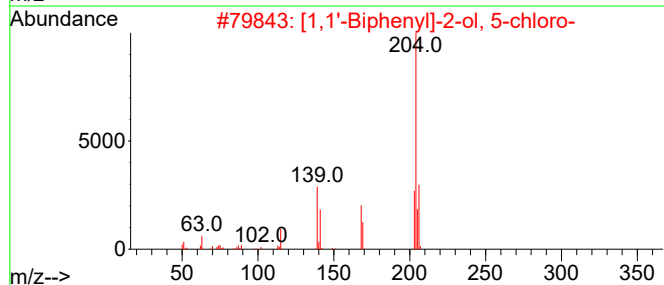
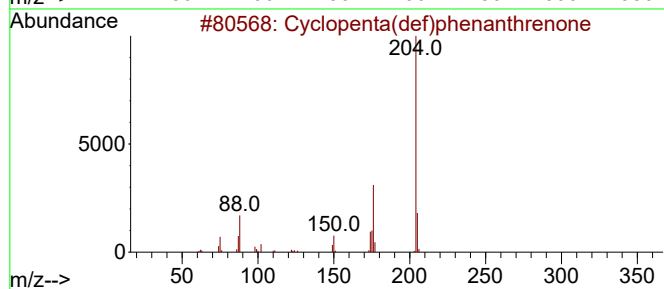
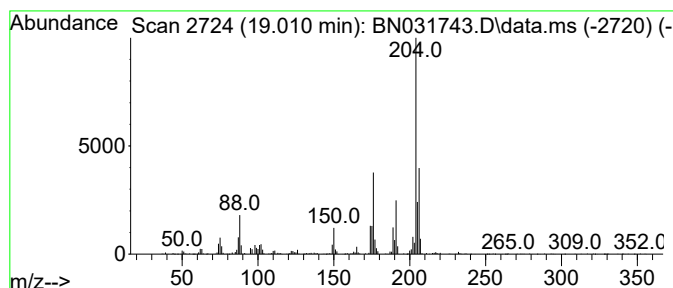
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Quant Title : SVOA CALIBRATION

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

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Peak Number 11 Cyclopenta(def)phenanthrenone Concentration Rank 7

| R.T.      | EstConc                             | Area   | Relative to ISTD | R.T.         |      |
|-----------|-------------------------------------|--------|------------------|--------------|------|
| 19.010    | 3.72 ng/ul                          | 891409 | Phenanthrene-d10 | 17.069       |      |
| Hit# of 5 | Tentative ID                        | MW     | MolForm          | CAS#         | Qual |
| 1         | Cyclopenta(def)phenanthrenone       | 204    | C15H8O           | 005737-13-3  | 97   |
| 2         | [1,1'-Biphenyl]-2-ol, 5-chloro-     | 204    | C12H9ClO         | 000607-12-5  | 49   |
| 3         | Pyrimidine, 4-chloro-6-(4-methyl... | 204    | C11H9ClN2        | 1000380-55-8 | 47   |
| 4         | L-Rhamnose, (R,R,S,S)-, 4TMS der... | 452    | C18H44O5Si4      | 108392-01-4  | 47   |
| 5         | L-Rhamnose, 4TMS derivative         | 452    | C18H44O5Si4      | 019127-15-2  | 47   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN053124\  
Data File : BN031743.D  
Acq On : 31 May 2024 15:39  
Operator : MA/JU  
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Misc :  
ALS Vial : 17 Sample Multiplier: 1

Instrument :  
BNA\_N  
ClientSampleId :  
BHBN2DL

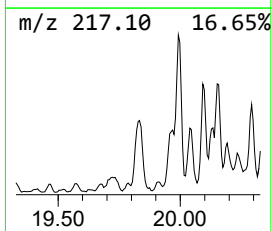
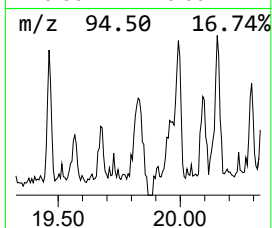
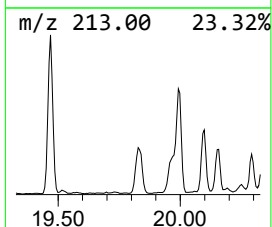
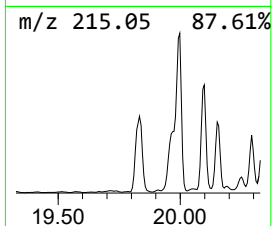
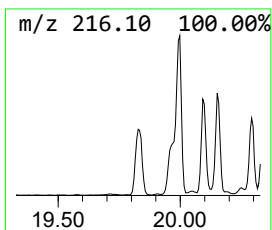
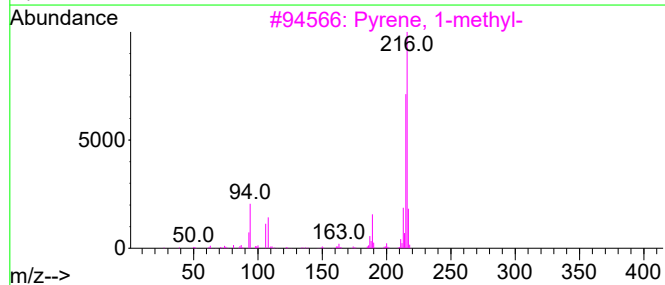
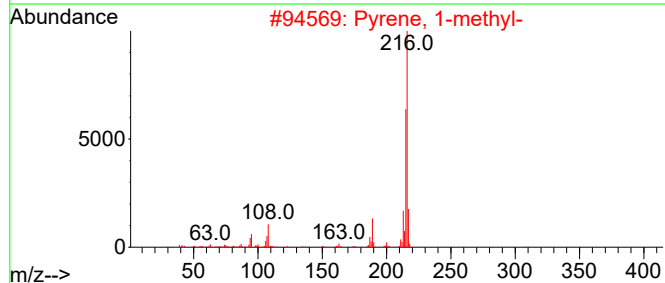
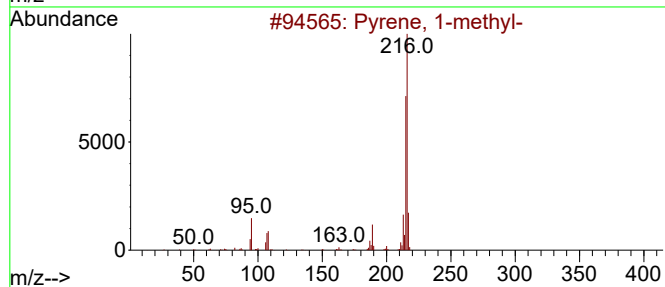
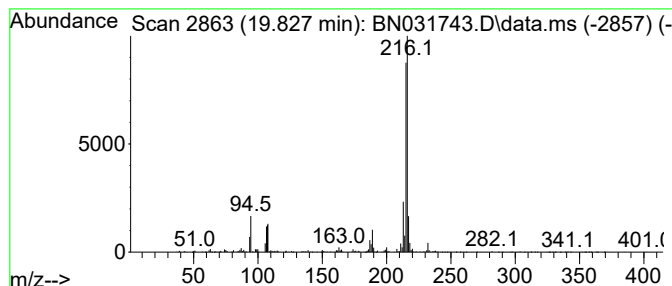
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Quant Title : SVOA CALIBRATION

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

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Peak Number 12 Pyrene, 1-methyl- Concentration Rank 15

| R.T.   | EstConc    | Area    | Relative to ISTD | R.T.   |
|--------|------------|---------|------------------|--------|
| 19.827 | 2.68 ng/ul | 1526450 | Chrysene-d12     | 21.310 |

| Hit# | of | 5 | Tentative ID            | MW  | MolForm | CAS#        | Qual |
|------|----|---|-------------------------|-----|---------|-------------|------|
| 1    |    |   | Pyrene, 1-methyl-       | 216 | C17H12  | 002381-21-7 | 96   |
| 2    |    |   | Pyrene, 1-methyl-       | 216 | C17H12  | 002381-21-7 | 93   |
| 3    |    |   | Pyrene, 1-methyl-       | 216 | C17H12  | 002381-21-7 | 92   |
| 4    |    |   | 11H-Benzo[b]fluorene    | 216 | C17H12  | 000243-17-4 | 91   |
| 5    |    |   | Fluoranthene, 2-methyl- | 216 | C17H12  | 033543-31-6 | 91   |





Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN053124\  
Data File : BN031743.D  
Acq On : 31 May 2024 15:39  
Operator : MA/JU  
Sample : P2549-24DL 2X  
Misc :  
ALS Vial : 17 Sample Multiplier: 1

Instrument :  
BNA\_N  
ClientSampleId :  
BHB2DL

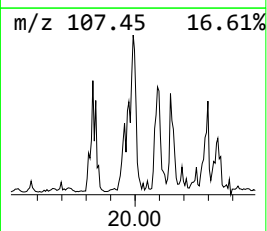
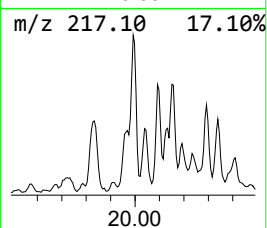
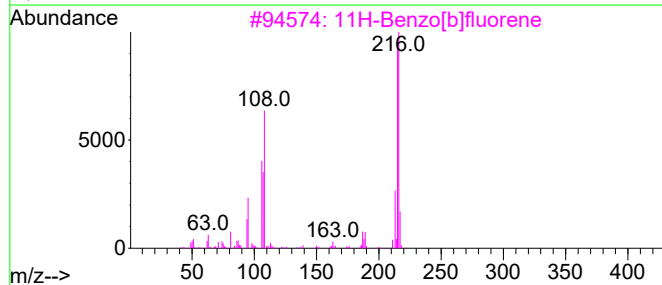
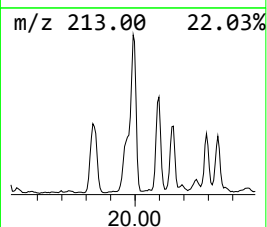
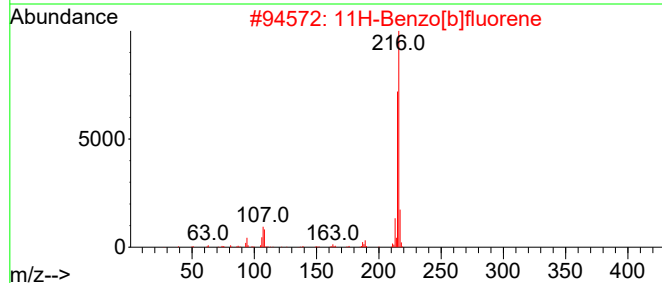
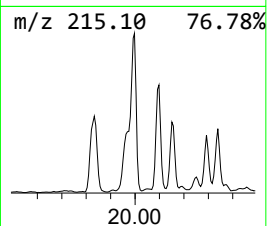
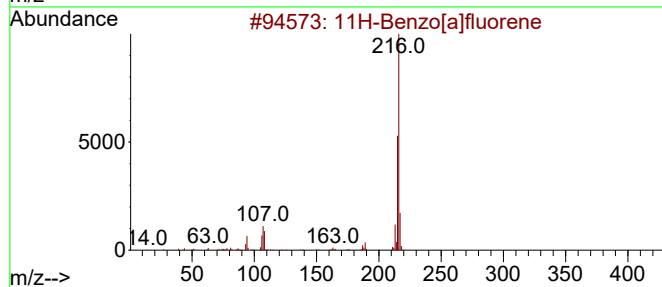
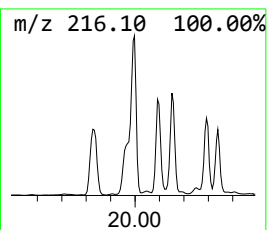
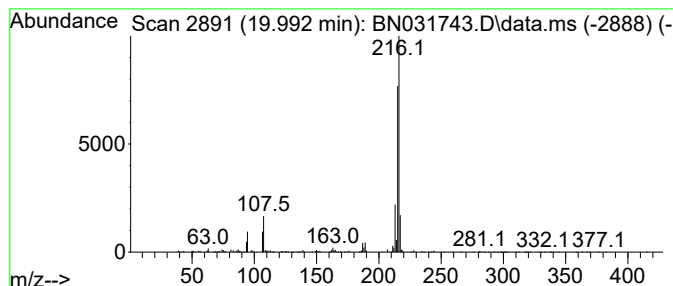
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Quant Title : SVOA CALIBRATION

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

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Peak Number 13 11H-Benzo[a]fluorene Concentration Rank 13

| R.T.   | EstConc    | Area    | Relative to ISTD | R.T.   |
|--------|------------|---------|------------------|--------|
| 19.992 | 2.94 ng/ul | 1674050 | Chrysene-d12     | 21.310 |

| Hit# | of | 5 | Tentative ID         | MW  | MolForm | CAS#        | Qual |
|------|----|---|----------------------|-----|---------|-------------|------|
| 1    |    |   | 11H-Benzo[a]fluorene | 216 | C17H12  | 000238-84-6 | 93   |
| 2    |    |   | 11H-Benzo[b]fluorene | 216 | C17H12  | 000243-17-4 | 90   |
| 3    |    |   | 11H-Benzo[b]fluorene | 216 | C17H12  | 000243-17-4 | 87   |
| 4    |    |   | 11H-Benzo[b]fluorene | 216 | C17H12  | 000243-17-4 | 83   |
| 5    |    |   | 7H-Benzo[c]fluorene  | 216 | C17H12  | 000205-12-9 | 81   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN053124\  
Data File : BN031743.D  
Acq On : 31 May 2024 15:39  
Operator : MA/JU  
Sample : P2549-24DL 2X  
Misc :  
ALS Vial : 17 Sample Multiplier: 1

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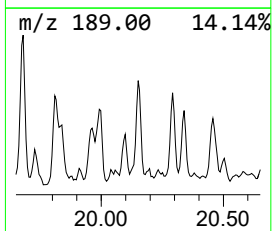
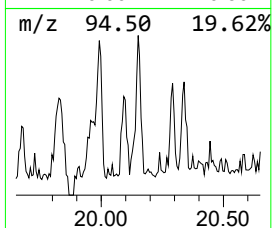
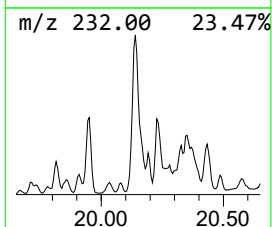
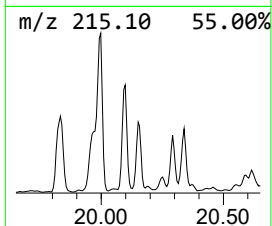
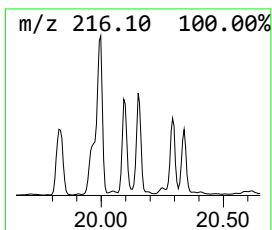
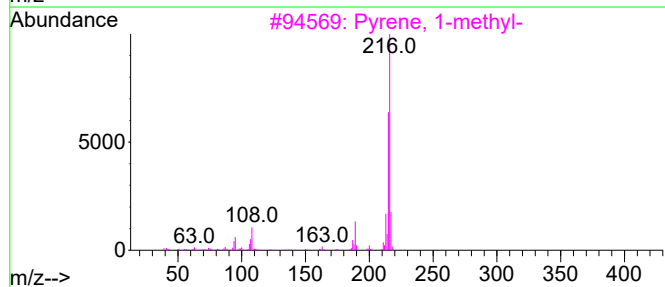
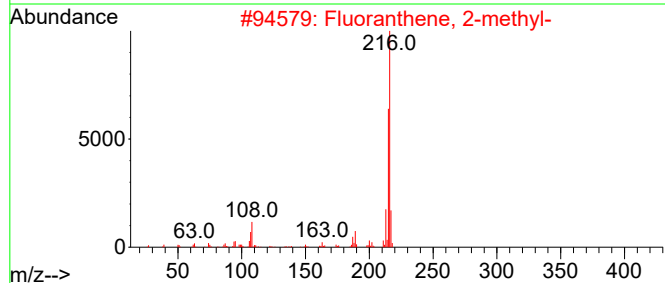
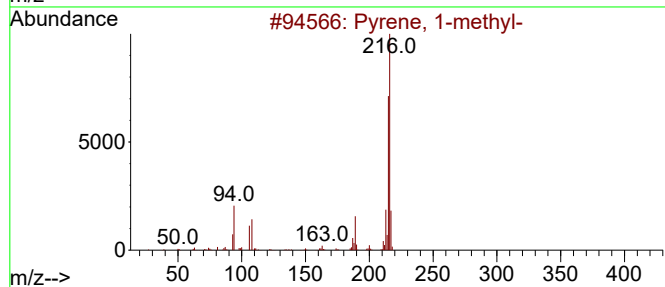
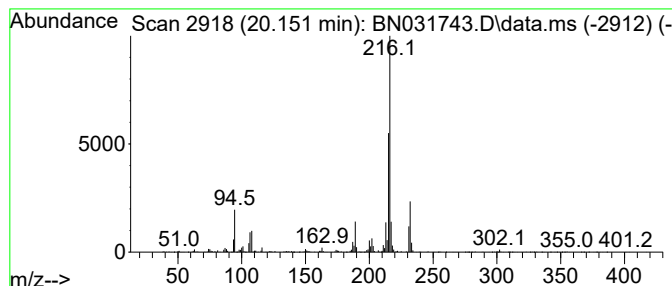
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Quant Title : SVOA CALIBRATION

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

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Peak Number 14 Fluoranthene, 2-methyl- Concentration Rank 16

| R.T.   | EstConc    | Area    | Relative to ISTD | R.T.   |
|--------|------------|---------|------------------|--------|
| 20.151 | 2.52 ng/ul | 1433280 | Chrysene-d12     | 21.310 |

| Hit# | of | 5 | Tentative ID            | MW  | MolForm | CAS#        | Qual |
|------|----|---|-------------------------|-----|---------|-------------|------|
| 1    |    |   | Pyrene, 1-methyl-       | 216 | C17H12  | 002381-21-7 | 98   |
| 2    |    |   | Fluoranthene, 2-methyl- | 216 | C17H12  | 033543-31-6 | 96   |
| 3    |    |   | Pyrene, 1-methyl-       | 216 | C17H12  | 002381-21-7 | 95   |
| 4    |    |   | Pyrene, 1-methyl-       | 216 | C17H12  | 002381-21-7 | 94   |
| 5    |    |   | Pyrene, 4-methyl-       | 216 | C17H12  | 003353-12-6 | 93   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN053124\  
Data File : BN031743.D  
Acq On : 31 May 2024 15:39  
Operator : MA/JU  
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Misc :  
ALS Vial : 17 Sample Multiplier: 1

Instrument :  
BNA\_N  
ClientSampleId :  
BHB2DL

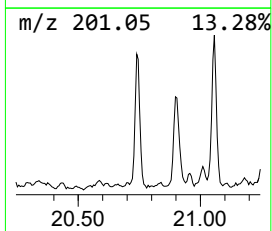
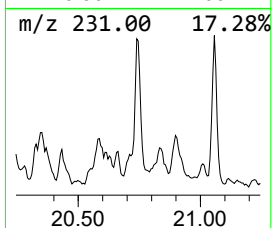
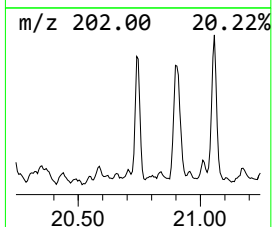
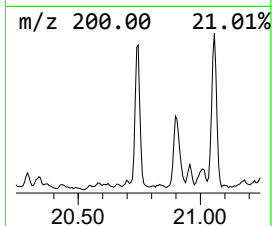
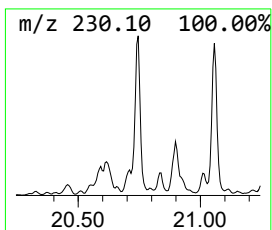
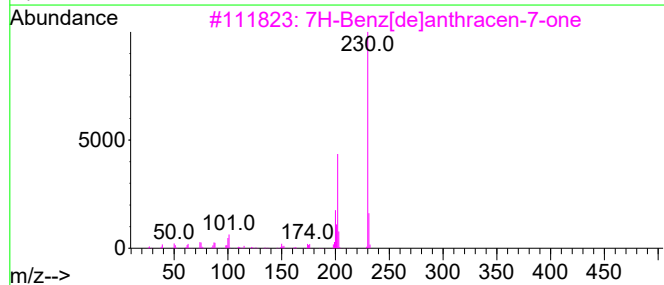
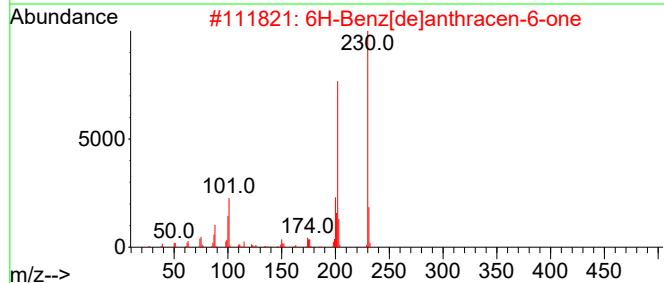
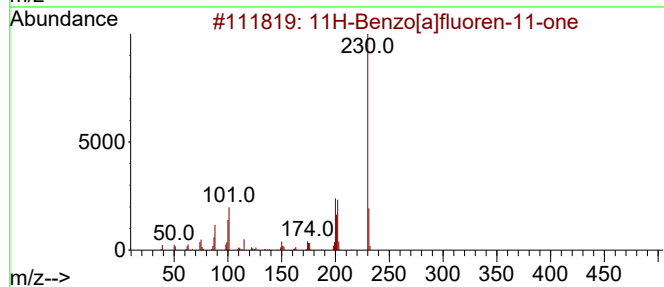
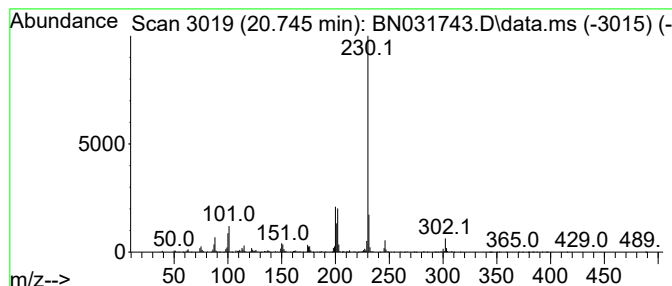
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Quant Title : SVOA CALIBRATION

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

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Peak Number 15 11H-Benzo[a]fluoren-11-one Concentration Rank 18

| R.T.   | EstConc    | Area    | Relative to ISTD | R.T.   |
|--------|------------|---------|------------------|--------|
| 20.745 | 2.06 ng/ul | 1172730 | Chrysene-d12     | 21.310 |

| Hit# | of | 5 | Tentative ID               | MW  | MolForm | CAS#        | Qual |
|------|----|---|----------------------------|-----|---------|-------------|------|
| 1    |    |   | 11H-Benzo[a]fluoren-11-one | 230 | C17H10O | 000479-79-8 | 97   |
| 2    |    |   | 6H-Benz[de]anthracen-6-one | 230 | C17H10O | 080252-14-8 | 94   |
| 3    |    |   | 7H-Benz[de]anthracen-7-one | 230 | C17H10O | 000082-05-3 | 89   |
| 4    |    |   | 7H-Benz[de]anthracen-7-one | 230 | C17H10O | 000082-05-3 | 87   |
| 5    |    |   | 7H-Benz[de]anthracen-7-one | 230 | C17H10O | 000082-05-3 | 87   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN053124\  
Data File : BN031743.D  
Acq On : 31 May 2024 15:39  
Operator : MA/JU  
Sample : P2549-24DL 2X  
Misc :  
ALS Vial : 17 Sample Multiplier: 1

Instrument :  
BNA\_N  
ClientSampleId :  
BHBN2DL

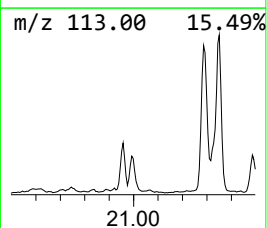
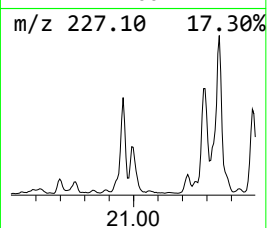
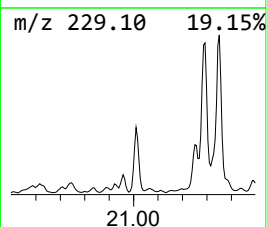
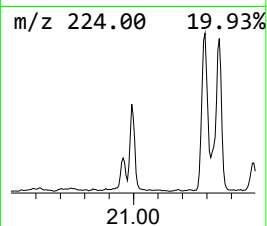
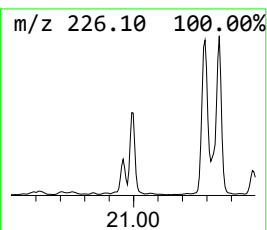
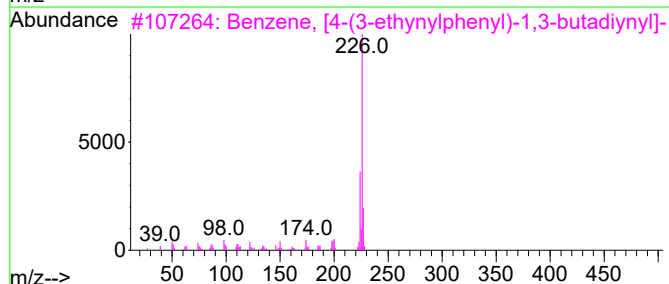
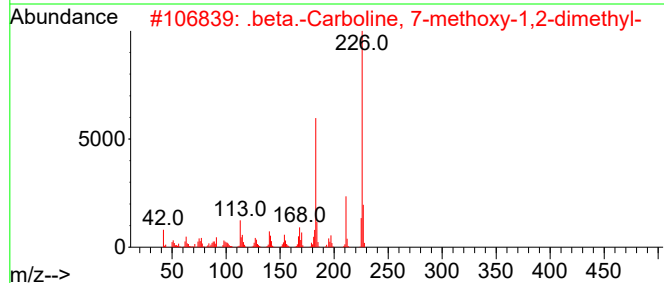
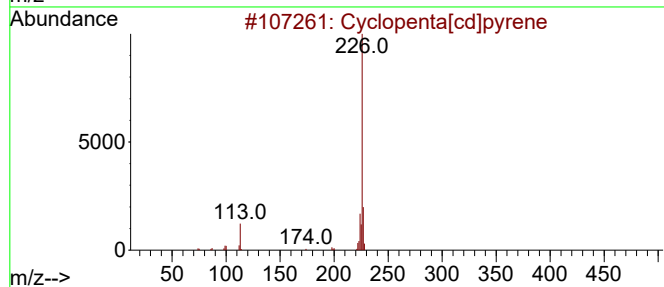
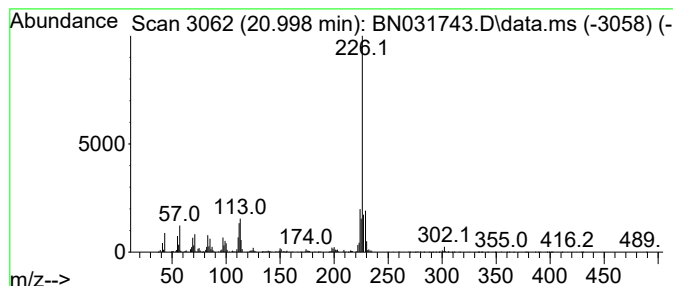
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Quant Title : SVOA CALIBRATION

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

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Peak Number 16 Cyclopenta[cd]pyrene Concentration Rank 14

| R.T.   | EstConc    | Area    | Relative to ISTD | R.T.   |
|--------|------------|---------|------------------|--------|
| 20.998 | 2.88 ng/ul | 1639420 | Chrysene-d12     | 21.310 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm   | CAS#         | Qual |
|------|----|---|-------------------------------------|-----|-----------|--------------|------|
| 1    |    |   | Cyclopenta[cd]pyrene                | 226 | C18H10    | 027208-37-3  | 64   |
| 2    |    |   | .beta.-Carboline, 7-methoxy-1,2-... | 226 | C14H14N2O | 006519-18-2  | 50   |
| 3    |    |   | Benzene, [4-(3-ethynylphenyl)-1,... | 226 | C18H10    | 1000115-87-3 | 46   |
| 4    |    |   | 9H-Xanthen-9-one, 3-methoxy-        | 226 | C14H10O3  | 003722-52-9  | 43   |
| 5    |    |   | benzenamine, 4-(2-benzothiazolyl)-  | 226 | C13H10N2S | 1000400-93-4 | 40   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN053124\  
Data File : BN031743.D  
Acq On : 31 May 2024 15:39  
Operator : MA/JU  
Sample : P2549-24DL 2X  
Misc :  
ALS Vial : 17 Sample Multiplier: 1

Instrument :  
BNA\_N  
ClientSampleId :  
BHBN2DL

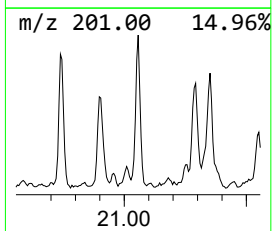
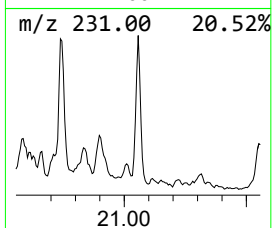
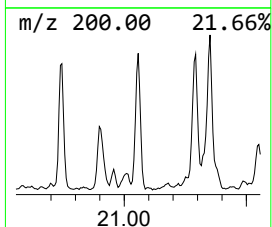
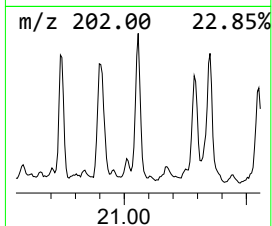
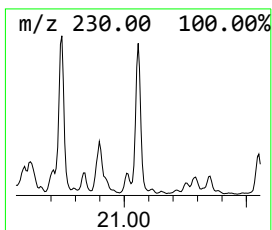
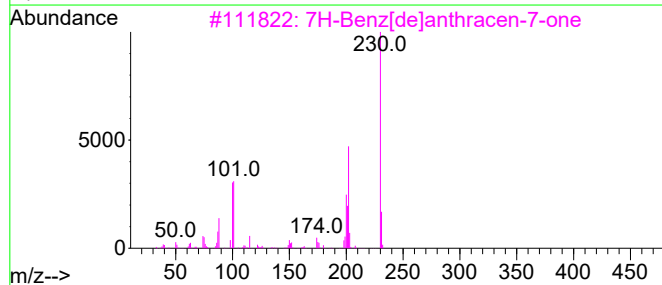
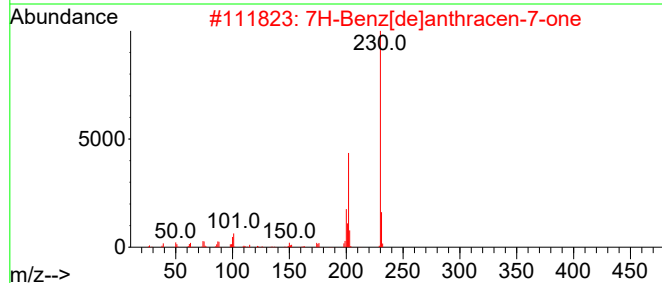
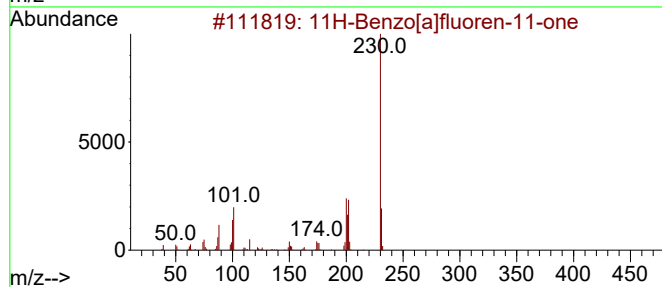
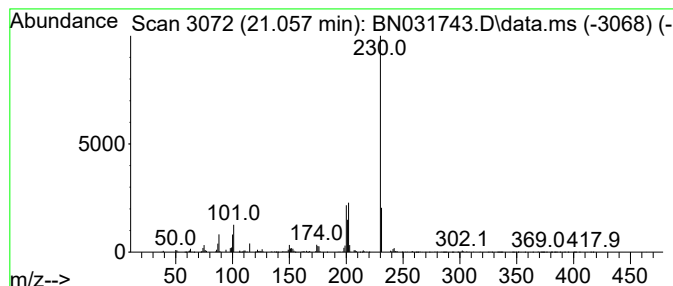
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Quant Title : SVOA CALIBRATION

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

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Peak Number 17 7H-Benz[de]anthracen-7-one Concentration Rank 12

| R.T.   | EstConc    | Area    | Relative to ISTD | R.T.   |
|--------|------------|---------|------------------|--------|
| 21.057 | 2.96 ng/ul | 1684740 | Chrysene-d12     | 21.310 |

| Hit# | of 5 | Tentative ID               | MW  | MolForm | CAS#        | Qual |
|------|------|----------------------------|-----|---------|-------------|------|
| 1    |      | 11H-Benzo[a]fluoren-11-one | 230 | C17H10O | 000479-79-8 | 97   |
| 2    |      | 7H-Benz[de]anthracen-7-one | 230 | C17H10O | 000082-05-3 | 91   |
| 3    |      | 7H-Benz[de]anthracen-7-one | 230 | C17H10O | 000082-05-3 | 91   |
| 4    |      | 7H-Benz[de]anthracen-7-one | 230 | C17H10O | 000082-05-3 | 74   |
| 5    |      | 1-Pyrenecarboxaldehyde     | 230 | C17H10O | 003029-19-4 | 64   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN053124\  
Data File : BN031743.D  
Acq On : 31 May 2024 15:39  
Operator : MA/JU  
Sample : P2549-24DL 2X  
Misc :  
ALS Vial : 17 Sample Multiplier: 1

Instrument :  
BNA\_N  
ClientSampleId :  
BHB2DL

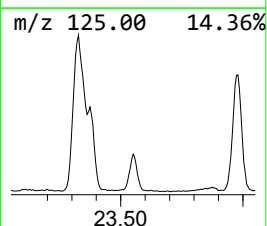
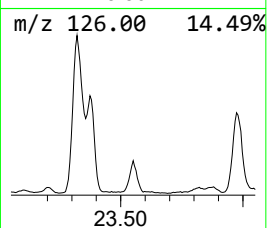
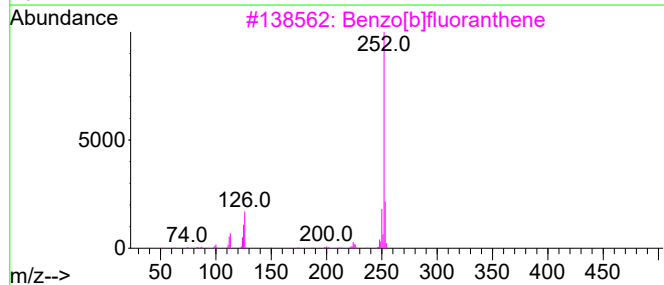
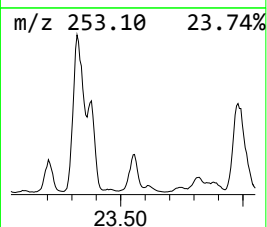
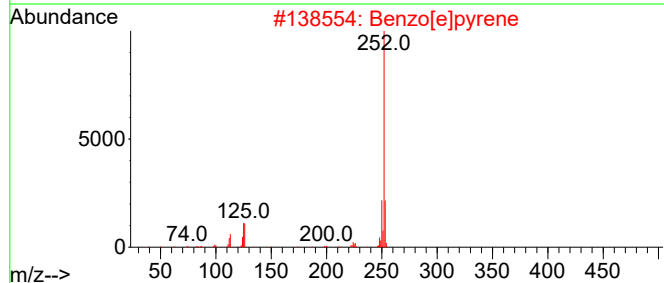
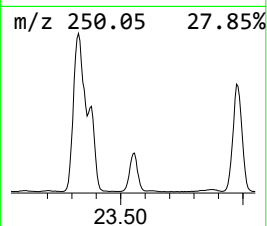
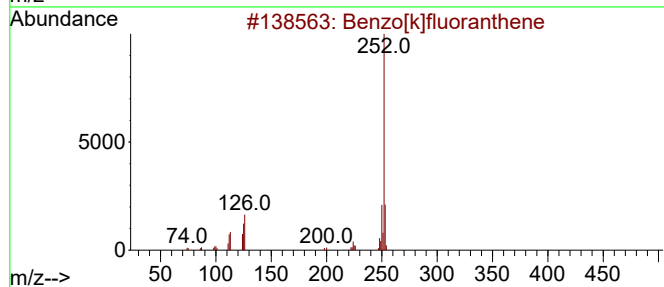
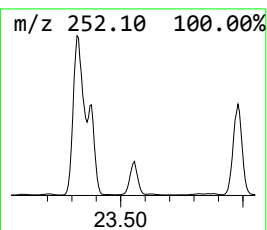
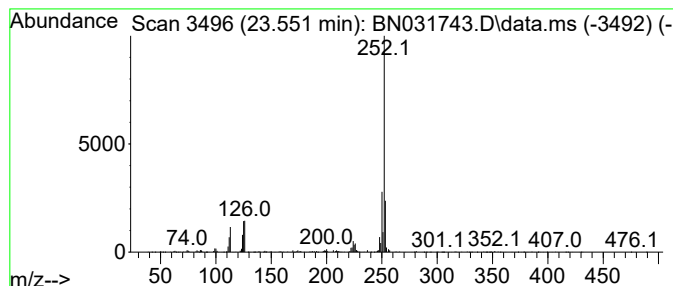
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Quant Title : SVOA CALIBRATION

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

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Peak Number 18 Benzo[e]pyrene Concentration Rank 4

| R.T.   | EstConc    | Area    | Relative to ISTD | R.T.   |
|--------|------------|---------|------------------|--------|
| 23.551 | 5.87 ng/ul | 1288270 | Perylene-d12     | 24.251 |

| Hit# | of | 5 | Tentative ID         | MW  | MolForm | CAS#        | Qual |
|------|----|---|----------------------|-----|---------|-------------|------|
| 1    |    |   | Benzo[k]fluoranthene | 252 | C20H12  | 000207-08-9 | 98   |
| 2    |    |   | Benzo[e]pyrene       | 252 | C20H12  | 000192-97-2 | 97   |
| 3    |    |   | Benzo[b]fluoranthene | 252 | C20H12  | 000205-99-2 | 97   |
| 4    |    |   | Benzo[a]pyrene       | 252 | C20H12  | 000050-32-8 | 91   |
| 5    |    |   | Benzo[j]fluoranthene | 252 | C20H12  | 000205-82-3 | 90   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN053124\  
Data File : BN031743.D  
Acq On : 31 May 2024 15:39  
Operator : MA/JU  
Sample : P2549-24DL 2X  
Misc :  
ALS Vial : 17 Sample Multiplier: 1

Instrument :  
BNA\_N  
ClientSampleId :  
BHB2DL

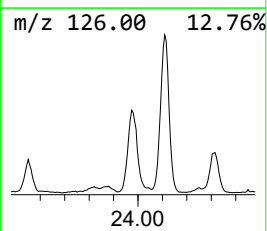
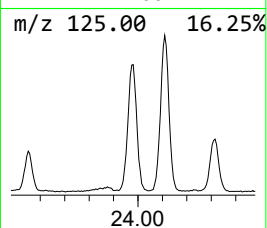
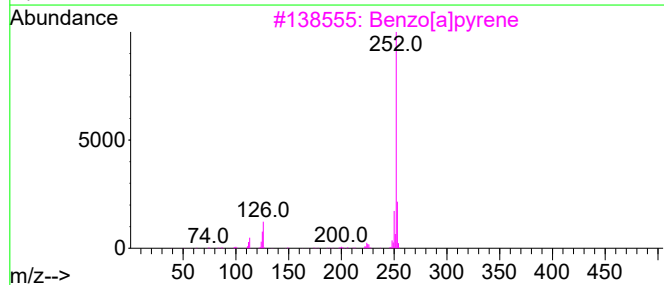
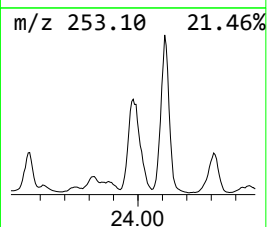
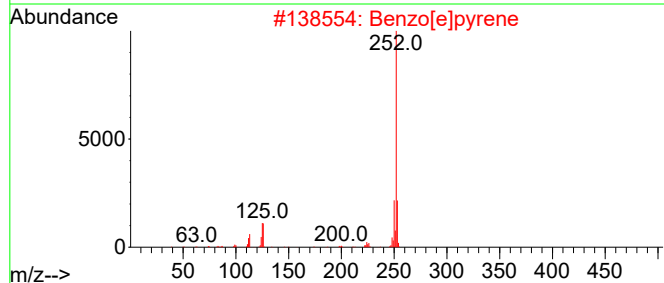
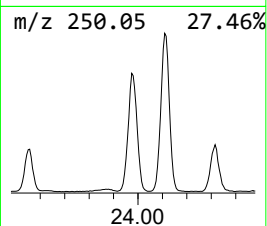
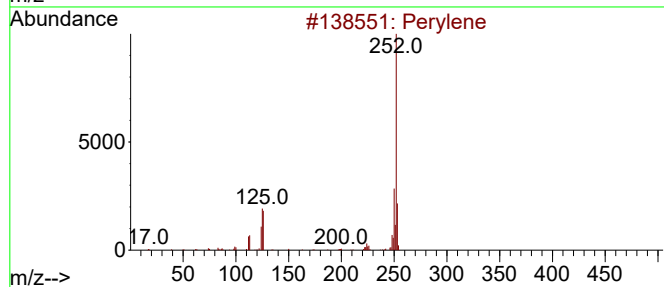
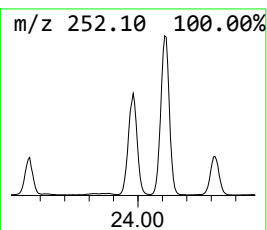
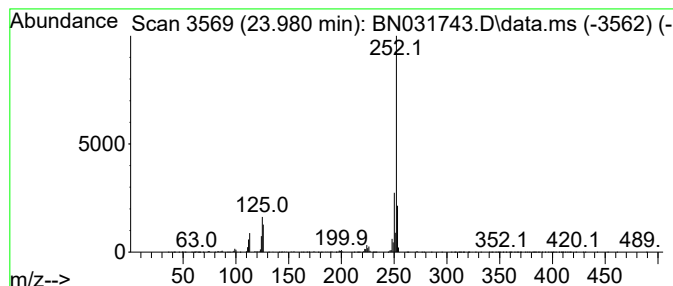
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Quant Title : SVOA CALIBRATION

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

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Peak Number 19 Perylene Concentration Rank 1

| R.T.   | EstConc     | Area    | Relative to ISTD | R.T.   |
|--------|-------------|---------|------------------|--------|
| 23.980 | 17.87 ng/ul | 3919510 | Perylene-d12     | 24.251 |

| Hit# | of | 5 | Tentative ID         | MW  | MolForm | CAS#        | Qual |
|------|----|---|----------------------|-----|---------|-------------|------|
| 1    |    |   | Perylene             | 252 | C20H12  | 000198-55-0 | 99   |
| 2    |    |   | Benzo[e]pyrene       | 252 | C20H12  | 000192-97-2 | 99   |
| 3    |    |   | Benzo[a]pyrene       | 252 | C20H12  | 000050-32-8 | 96   |
| 4    |    |   | Benzo[b]fluoranthene | 252 | C20H12  | 000205-99-2 | 95   |
| 5    |    |   | Benzo[k]fluoranthene | 252 | C20H12  | 000207-08-9 | 94   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN053124\  
Data File : BN031743.D  
Acq On : 31 May 2024 15:39  
Operator : MA/JU  
Sample : P2549-24DL 2X  
Misc :  
ALS Vial : 17 Sample Multiplier: 1

Instrument :  
BNA\_N  
ClientSampleId :  
BHB2DL

Quant Method : Z:\svoasrv\HPCHEM1\BNA\_N\Methods\SFAM-EPA-BN052924.MA.M  
Quant Title : SVOA CALIBRATION

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

| TIC Top Hit name   | RT     | EstConc | Units | Response | --Internal Standard-- |        |          |      |
|--------------------|--------|---------|-------|----------|-----------------------|--------|----------|------|
|                    |        |         |       |          | #                     | RT     | Resp     | Conc |
| Naphtho[2,1-b]t... | 16.886 | 2.0     | ng/ul | 487944   | 4                     | 17.069 | 4798270  | 20.0 |
| Phenanthrene, 2... | 17.945 | 5.5     | ng/ul | 1329230  | 4                     | 17.069 | 4798270  | 20.0 |
| Phenanthrene, 1... | 17.992 | 9.4     | ng/ul | 2254940  | 4                     | 17.069 | 4798270  | 20.0 |
| Anthracene, 2-m... | 18.075 | 2.2     | ng/ul | 535342   | 4                     | 17.069 | 4798270  | 20.0 |
| 4H-Cyclopenta[d... | 18.139 | 9.8     | ng/ul | 2362480  | 4                     | 17.069 | 4798270  | 20.0 |
| Anthracene, 9-m... | 18.174 | 3.5     | ng/ul | 848637   | 4                     | 17.069 | 4798270  | 20.0 |
| Naphthalene, 2-... | 18.451 | 3.4     | ng/ul | 810018   | 4                     | 17.069 | 4798270  | 20.0 |
| 9,10-Anthracene... | 18.492 | 3.5     | ng/ul | 837286   | 4                     | 17.069 | 4798270  | 20.0 |
| Anthracene, 1,4... | 18.869 | 4.6     | ng/ul | 1101490  | 4                     | 17.069 | 4798270  | 20.0 |
| Acephenanthryle... | 18.927 | 3.0     | ng/ul | 725590   | 4                     | 17.069 | 4798270  | 20.0 |
| Cyclopenta(def)... | 19.010 | 3.7     | ng/ul | 891409   | 4                     | 17.069 | 4798270  | 20.0 |
| Pyrene, 1-methyl-  | 19.827 | 2.7     | ng/ul | 1526450  | 5                     | 21.310 | 11382900 | 20.0 |
| 11H-Benzo[a]flu... | 19.992 | 2.9     | ng/ul | 1674050  | 5                     | 21.310 | 11382900 | 20.0 |
| Fluoranthene, 2... | 20.151 | 2.5     | ng/ul | 1433280  | 5                     | 21.310 | 11382900 | 20.0 |
| 11H-Benzo[a]flu... | 20.745 | 2.1     | ng/ul | 1172730  | 5                     | 21.310 | 11382900 | 20.0 |
| Cyclopenta[cd]p... | 20.998 | 2.9     | ng/ul | 1639420  | 5                     | 21.310 | 11382900 | 20.0 |
| 7H-Benz[de]anth... | 21.057 | 3.0     | ng/ul | 1684740  | 5                     | 21.310 | 11382900 | 20.0 |
| Benzo[e]pyrene     | 23.551 | 5.9     | ng/ul | 1288270  | 6                     | 24.251 | 4386620  | 20.0 |
| Perylene           | 23.980 | 17.9    | ng/ul | 3919510  | 6                     | 24.251 | 4386620  | 20.0 |