

Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM042523\  
 Data File : BM039664.D  
 Acq On : 26 Apr 2023 05:54  
 Operator : CG/JU  
 Sample : 02419-28  
 Misc :  
 ALS Vial : 33 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 EW925

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-BM041823.MA.M  
 Title : SVOA CALIBRATION

Signal : TIC: BM039664.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         | 3.084       | 6             | 8           | 11           | rVB      | 74595          | 65919         | 2.24%           | 0.177%        |
| 2         | 3.125       | 11            | 15          | 25           | rVB      | 1293581        | 1377352       | 46.78%          | 3.703%        |
| 3         | 3.437       | 65            | 68          | 70           | rBV      | 23433          | 26724         | 0.91%           | 0.072%        |
| 4         | 3.466       | 70            | 73          | 78           | rVB      | 63901          | 74405         | 2.53%           | 0.200%        |
| 5         | 3.849       | 134           | 138         | 146          | rVV2     | 37827          | 55924         | 1.90%           | 0.150%        |
| 6         | 3.949       | 151           | 155         | 162          | rVB      | 48258          | 66964         | 2.27%           | 0.180%        |
| 7         | 4.060       | 170           | 174         | 181          | rVB      | 12275          | 18111         | 0.62%           | 0.049%        |
| 8         | 4.396       | 227           | 231         | 235          | rVB      | 13124          | 17703         | 0.60%           | 0.048%        |
| 9         | 4.502       | 244           | 249         | 254          | rBV6     | 9889           | 16076         | 0.55%           | 0.043%        |
| 10        | 4.602       | 263           | 266         | 271          | rVB6     | 5779           | 7657          | 0.26%           | 0.021%        |
| 11        | 4.707       | 280           | 284         | 288          | rBV2     | 13403          | 16466         | 0.56%           | 0.044%        |
| 12        | 4.802       | 296           | 300         | 307          | rVB      | 33755          | 45479         | 1.54%           | 0.122%        |
| 13        | 4.913       | 316           | 319         | 322          | rVV5     | 5391           | 7148          | 0.24%           | 0.019%        |
| 14        | 5.219       | 367           | 371         | 374          | rBV6     | 6003           | 8600          | 0.29%           | 0.023%        |
| 15        | 5.290       | 378           | 383         | 391          | rBV      | 244863         | 359551        | 12.21%          | 0.967%        |
| 16        | 5.425       | 402           | 406         | 409          | rBV4     | 5835           | 10428         | 0.35%           | 0.028%        |
| 17        | 5.796       | 466           | 469         | 475          | rVB2     | 9112           | 14132         | 0.48%           | 0.038%        |
| 18        | 6.049       | 504           | 512         | 515          | rBV10    | 6868           | 13116         | 0.45%           | 0.035%        |
| 19        | 6.278       | 545           | 551         | 558          | rBV      | 67493          | 112405        | 3.82%           | 0.302%        |
| 20        | 6.413       | 571           | 574         | 582          | rBV10    | 4462           | 9959          | 0.34%           | 0.027%        |
| 21        | 6.525       | 589           | 593         | 597          | rBV7     | 3708           | 7194          | 0.24%           | 0.019%        |
| 22        | 6.778       | 632           | 636         | 643          | rVB      | 21506          | 42613         | 1.45%           | 0.115%        |
| 23        | 6.884       | 650           | 654         | 662          | rBV6     | 6545           | 13961         | 0.47%           | 0.038%        |
| 24        | 6.949       | 664           | 665         | 674          | rVB6     | 7361           | 8511          | 0.29%           | 0.023%        |
| 25        | 7.025       | 674           | 678         | 686          | rVB9     | 3794           | 7374          | 0.25%           | 0.020%        |
| 26        | 7.696       | 782           | 792         | 798          | rBV2     | 7733           | 17749         | 0.60%           | 0.048%        |
| 27        | 7.807       | 804           | 811         | 833          | rBV      | 663549         | 1312795       | 44.59%          | 3.530%        |
| 28        | 9.037       | 1016          | 1020        | 1026         | rVB7     | 3451           | 7930          | 0.27%           | 0.021%        |
| 29        | 9.366       | 1071          | 1076        | 1081         | rBV8     | 4173           | 7321          | 0.25%           | 0.020%        |
| 30        | 10.613      | 1281          | 1288        | 1305         | rBV      | 859451         | 1711187       | 58.12%          | 4.601%        |
| 31        | 10.860      | 1325          | 1330        | 1334         | rVB7     | 6072           | 10595         | 0.36%           | 0.028%        |
| 32        | 11.072      | 1360          | 1366        | 1371         | rVV9     | 6276           | 11541         | 0.39%           | 0.031%        |
| 33        | 11.636      | 1457          | 1462        | 1466         | rBV5     | 2904           | 7596          | 0.26%           | 0.020%        |
| 34        | 12.319      | 1571          | 1578        | 1581         | rBV7     | 4456           | 10144         | 0.34%           | 0.027%        |
| 35        | 12.525      | 1606          | 1613        | 1619         | rBV7     | 6012           | 16491         | 0.56%           | 0.044%        |
| 36        | 12.983      | 1688          | 1691        | 1698         | rVV3     | 7949           | 12840         | 0.44%           | 0.035%        |

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|    |        |      |      |      |      |       |       |       |        |
|----|--------|------|------|------|------|-------|-------|-------|--------|
| 37 | 13.278 | 1737 | 1741 | 1747 | rBV4 | 9293  | 16716 | 0.57% | 0.045% |
| 38 | 13.560 | 1785 | 1789 | 1792 | rVB6 | 4788  | 7112  | 0.24% | 0.019% |
| 39 | 13.660 | 1804 | 1806 | 1812 | rVB6 | 7275  | 10463 | 0.36% | 0.028% |
| 40 | 13.789 | 1825 | 1828 | 1833 | rVV6 | 10959 | 20125 | 0.68% | 0.054% |

|    |        |      |      |      |      |       |       |       |        |
|----|--------|------|------|------|------|-------|-------|-------|--------|
| 41 | 13.866 | 1835 | 1841 | 1846 | rVV8 | 10728 | 23628 | 0.80% | 0.064% |
| 42 | 13.936 | 1849 | 1853 | 1857 | rVB3 | 14946 | 19276 | 0.65% | 0.052% |
| 43 | 14.195 | 1892 | 1897 | 1902 | rBV8 | 11802 | 22924 | 0.78% | 0.062% |
| 44 | 14.277 | 1908 | 1911 | 1915 | rVB6 | 9770  | 14475 | 0.49% | 0.039% |
| 45 | 14.354 | 1920 | 1924 | 1928 | rBV  | 18414 | 28760 | 0.98% | 0.077% |

|    |        |      |      |      |      |         |         |        |        |
|----|--------|------|------|------|------|---------|---------|--------|--------|
| 46 | 14.419 | 1931 | 1935 | 1936 | rBV4 | 7370    | 8836    | 0.30%  | 0.024% |
| 47 | 14.466 | 1937 | 1943 | 1960 | rBV  | 1291559 | 2209096 | 75.03% | 5.939% |
| 48 | 14.760 | 1990 | 1993 | 1995 | rBV4 | 4444    | 7034    | 0.24%  | 0.019% |
| 49 | 15.089 | 2045 | 2049 | 2051 | rBV5 | 9628    | 16722   | 0.57%  | 0.045% |
| 50 | 15.242 | 2071 | 2075 | 2078 | rBV6 | 15379   | 24705   | 0.84%  | 0.066% |

|    |        |      |      |      |      |       |        |       |        |
|----|--------|------|------|------|------|-------|--------|-------|--------|
| 51 | 15.307 | 2083 | 2086 | 2090 | rVB2 | 21752 | 34121  | 1.16% | 0.092% |
| 52 | 15.719 | 2151 | 2156 | 2166 | rVB2 | 87060 | 157374 | 5.35% | 0.423% |
| 53 | 16.189 | 2229 | 2236 | 2249 | rBV2 | 89836 | 264030 | 8.97% | 0.710% |
| 54 | 16.336 | 2258 | 2261 | 2267 | rVB5 | 22630 | 34362  | 1.17% | 0.092% |
| 55 | 16.401 | 2268 | 2272 | 2276 | rVV  | 47699 | 67656  | 2.30% | 0.182% |

|    |        |      |      |      |      |        |        |        |        |
|----|--------|------|------|------|------|--------|--------|--------|--------|
| 56 | 16.448 | 2276 | 2280 | 2287 | rVV  | 102134 | 159950 | 5.43%  | 0.430% |
| 57 | 16.742 | 2326 | 2330 | 2334 | rBV  | 72097  | 106074 | 3.60%  | 0.285% |
| 58 | 16.818 | 2338 | 2343 | 2350 | rVB  | 227763 | 331627 | 11.26% | 0.892% |
| 59 | 16.966 | 2365 | 2368 | 2371 | rBV2 | 39833  | 46637  | 1.58%  | 0.125% |
| 60 | 17.018 | 2373 | 2377 | 2385 | rVB3 | 136706 | 213383 | 7.25%  | 0.574% |

|    |        |      |      |      |      |         |         |        |        |
|----|--------|------|------|------|------|---------|---------|--------|--------|
| 61 | 17.089 | 2385 | 2389 | 2393 | rBV  | 224108  | 313356  | 10.64% | 0.842% |
| 62 | 17.124 | 2393 | 2395 | 2404 | rVB  | 107584  | 147558  | 5.01%  | 0.397% |
| 63 | 17.218 | 2405 | 2411 | 2416 | rBV  | 1422679 | 2321341 | 78.85% | 6.241% |
| 64 | 17.389 | 2435 | 2440 | 2450 | rBV2 | 385699  | 619861  | 21.05% | 1.667% |
| 65 | 17.671 | 2484 | 2488 | 2491 | rBV  | 122946  | 179658  | 6.10%  | 0.483% |

|    |        |      |      |      |      |         |         |         |        |
|----|--------|------|------|------|------|---------|---------|---------|--------|
| 66 | 17.701 | 2491 | 2493 | 2498 | rVB3 | 106252  | 125435  | 4.26%   | 0.337% |
| 67 | 17.818 | 2506 | 2513 | 2521 | rBV  | 1468014 | 2944178 | 100.00% | 7.916% |
| 68 | 17.942 | 2528 | 2534 | 2539 | rBV2 | 227902  | 444096  | 15.08%  | 1.194% |
| 69 | 18.071 | 2551 | 2556 | 2560 | rBV  | 352653  | 514578  | 17.48%  | 1.383% |
| 70 | 18.118 | 2561 | 2564 | 2569 | rVB  | 154812  | 198037  | 6.73%   | 0.532% |

|    |        |      |      |      |      |        |         |        |        |
|----|--------|------|------|------|------|--------|---------|--------|--------|
| 71 | 18.289 | 2588 | 2593 | 2599 | rBV  | 915928 | 1204126 | 40.90% | 3.237% |
| 72 | 18.348 | 2599 | 2603 | 2607 | rVV  | 558639 | 716935  | 24.35% | 1.928% |
| 73 | 18.389 | 2607 | 2610 | 2617 | rVB2 | 297530 | 402639  | 13.68% | 1.083% |
| 74 | 18.571 | 2637 | 2641 | 2647 | rBV  | 703430 | 1031535 | 35.04% | 2.773% |
| 75 | 18.618 | 2647 | 2649 | 2654 | rVV  | 218998 | 294032  | 9.99%  | 0.791% |

|    |        |      |      |      |     |        |        |        |        |
|----|--------|------|------|------|-----|--------|--------|--------|--------|
| 76 | 18.683 | 2656 | 2660 | 2663 | rVV | 276786 | 406400 | 13.80% | 1.093% |
|----|--------|------|------|------|-----|--------|--------|--------|--------|

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|     |        |      |      |      |      |         |         |        |        |
|-----|--------|------|------|------|------|---------|---------|--------|--------|
| 77  | 18.712 | 2663 | 2665 | 2668 | rVV  | 224922  | 264182  | 8.97%  | 0.710% |
| 78  | 18.748 | 2668 | 2671 | 2678 | rVB  | 450244  | 601124  | 20.42% | 1.616% |
| 79  | 18.854 | 2686 | 2689 | 2694 | rVB2 | 131863  | 182114  | 6.19%  | 0.490% |
| 80  | 19.059 | 2721 | 2724 | 2728 | rVB  | 292257  | 342395  | 11.63% | 0.921% |
| 81  | 19.112 | 2729 | 2733 | 2735 | rVV  | 703284  | 921415  | 31.30% | 2.477% |
| 82  | 19.148 | 2735 | 2739 | 2745 | rVB2 | 692262  | 1247452 | 42.37% | 3.354% |
| 83  | 19.283 | 2758 | 2762 | 2768 | rVB  | 286554  | 380526  | 12.92% | 1.023% |
| 84  | 19.359 | 2770 | 2775 | 2781 | rVV2 | 265514  | 610095  | 20.72% | 1.640% |
| 85  | 19.418 | 2781 | 2785 | 2792 | rVV  | 720604  | 990169  | 33.63% | 2.662% |
| 86  | 19.483 | 2793 | 2796 | 2801 | rVB  | 227886  | 279253  | 9.48%  | 0.751% |
| 87  | 19.683 | 2827 | 2830 | 2834 | rVB  | 184495  | 222379  | 7.55%  | 0.598% |
| 88  | 19.759 | 2840 | 2843 | 2848 | rBV  | 263413  | 302749  | 10.28% | 0.814% |
| 89  | 19.871 | 2858 | 2862 | 2866 | rVB  | 609881  | 773077  | 26.26% | 2.078% |
| 90  | 20.130 | 2902 | 2906 | 2912 | rBV3 | 295054  | 479246  | 16.28% | 1.288% |
| 91  | 20.183 | 2912 | 2915 | 2922 | rVB  | 500175  | 629429  | 21.38% | 1.692% |
| 92  | 20.406 | 2950 | 2953 | 2957 | rVB  | 262548  | 308730  | 10.49% | 0.830% |
| 93  | 20.495 | 2965 | 2968 | 2972 | rVB2 | 217113  | 240658  | 8.17%  | 0.647% |
| 94  | 20.730 | 3005 | 3008 | 3015 | rVB2 | 316869  | 448946  | 15.25% | 1.207% |
| 95  | 21.412 | 3120 | 3124 | 3134 | rBV  | 1296601 | 2045749 | 69.48% | 5.500% |
| 96  | 21.577 | 3149 | 3152 | 3157 | rVB  | 596308  | 653174  | 22.19% | 1.756% |
| 97  | 21.630 | 3157 | 3161 | 3165 | rBV  | 880807  | 1059713 | 35.99% | 2.849% |
| 98  | 21.677 | 3166 | 3169 | 3171 | rVV  | 358913  | 443411  | 15.06% | 1.192% |
| 99  | 21.706 | 3172 | 3174 | 3179 | rVB  | 344833  | 372487  | 12.65% | 1.001% |
| 100 | 23.771 | 3520 | 3525 | 3543 | rVB2 | 908350  | 2157632 | 73.28% | 5.801% |

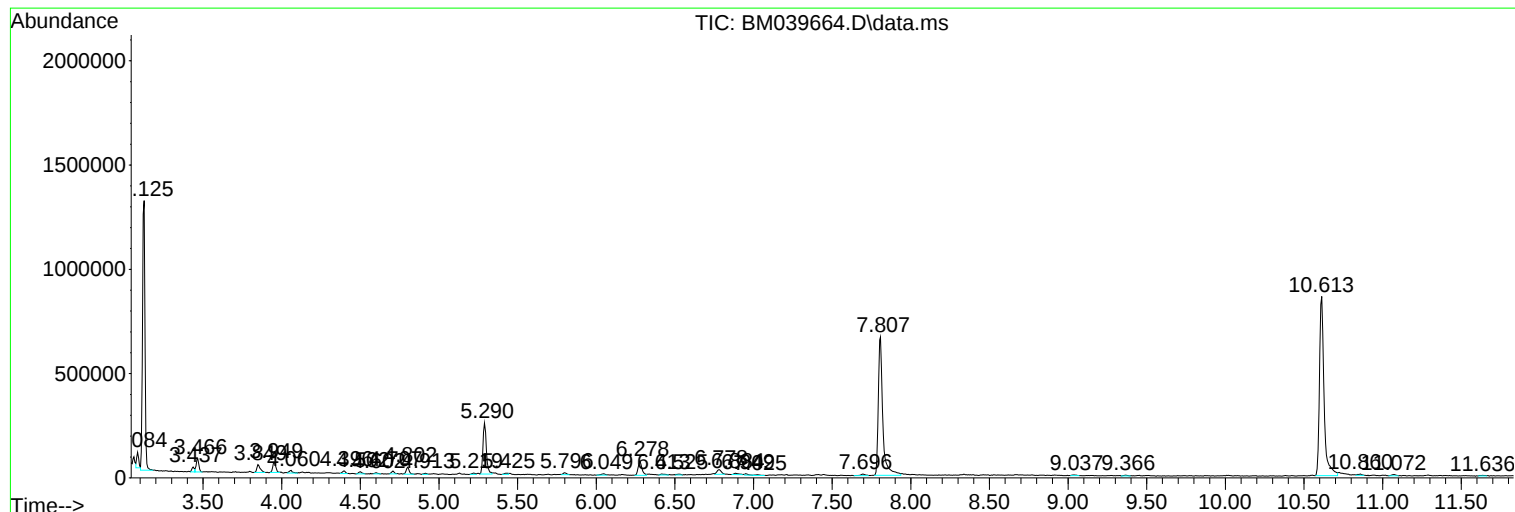
Sum of corrected areas: 37194917

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Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\SFAM-EPA-BM041823.MA.M  
Quant Title : SVOA CALIBRATION

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



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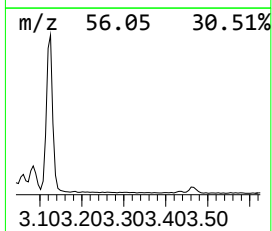
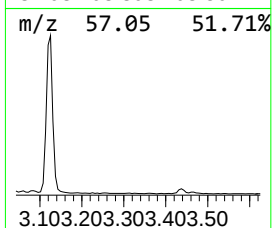
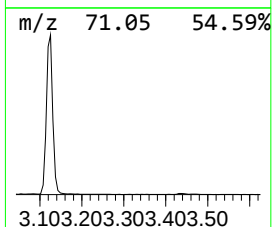
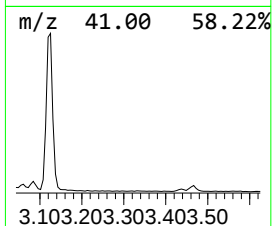
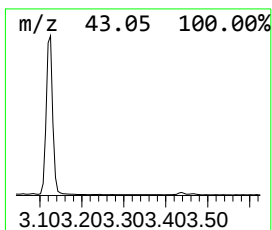
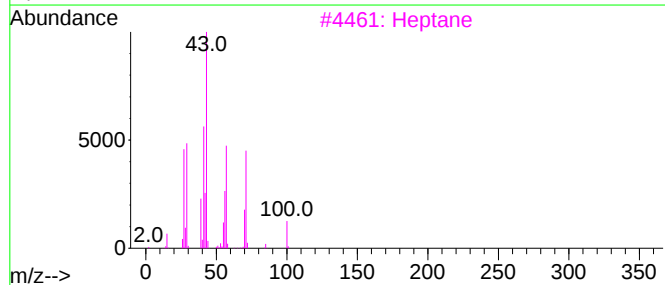
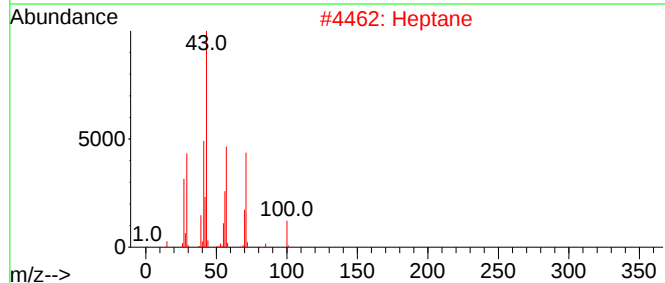
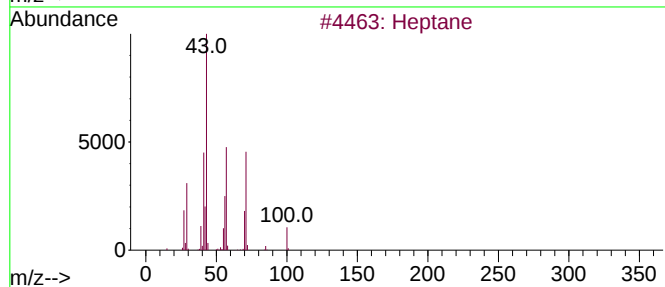
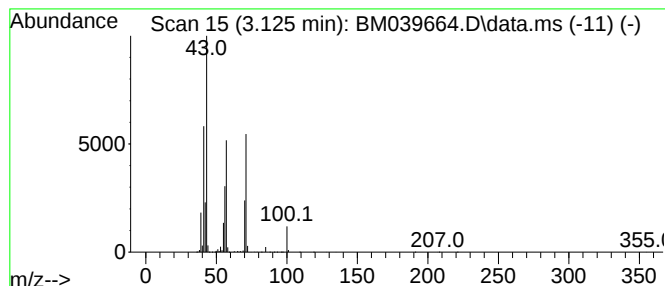
TIC Library : C:\Database\NIST20.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 1 (DEL) Alkane: Straight-Chai... Concentration Rank 2

| R.T.  | EstConc     | Area    | Relative to ISTD       | R.T.  |
|-------|-------------|---------|------------------------|-------|
| 3.125 | 20.98 ng/ul | 1377350 | 1,4-Dichlorobenzene-d4 | 7.807 |

| Hit# | of | 5 | Tentative ID                       | MW  | MolForm  | CAS#         | Qual |
|------|----|---|------------------------------------|-----|----------|--------------|------|
| 1    |    |   | Heptane                            | 100 | C7H16    | 000142-82-5  | 95   |
| 2    |    |   | Heptane                            | 100 | C7H16    | 000142-82-5  | 94   |
| 3    |    |   | Heptane                            | 100 | C7H16    | 000142-82-5  | 91   |
| 4    |    |   | Heptane                            | 100 | C7H16    | 000142-82-5  | 83   |
| 5    |    |   | Oxalic acid, isobutyl pentyl ester | 216 | C11H20O4 | 1000309-37-0 | 64   |



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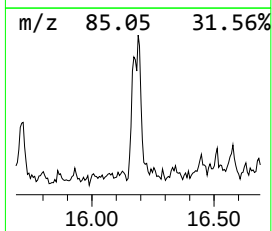
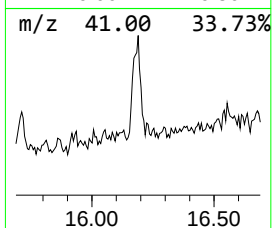
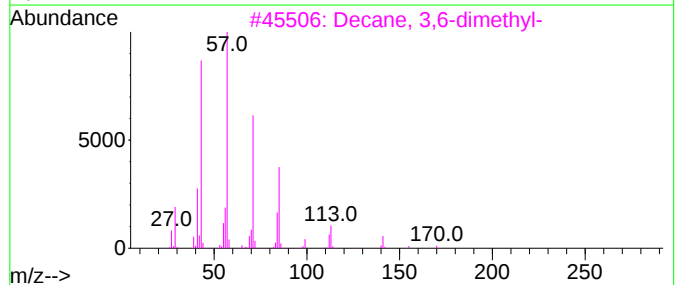
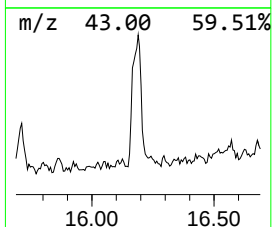
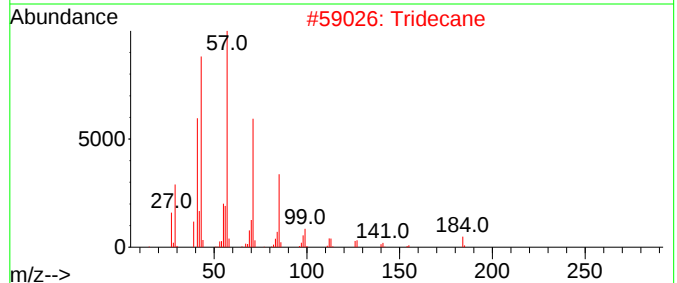
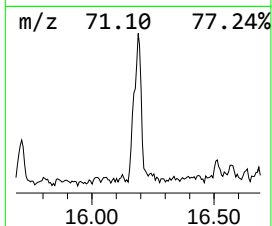
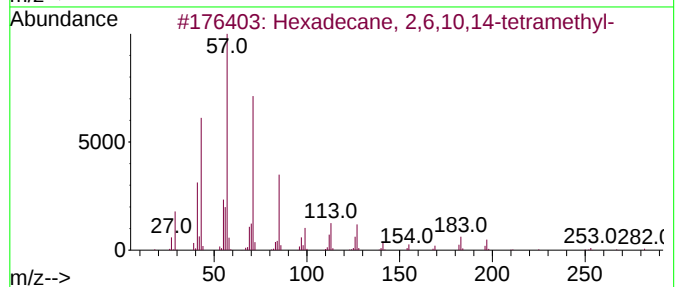
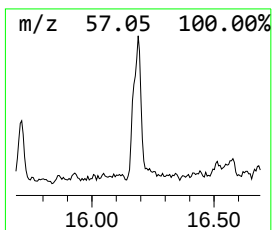
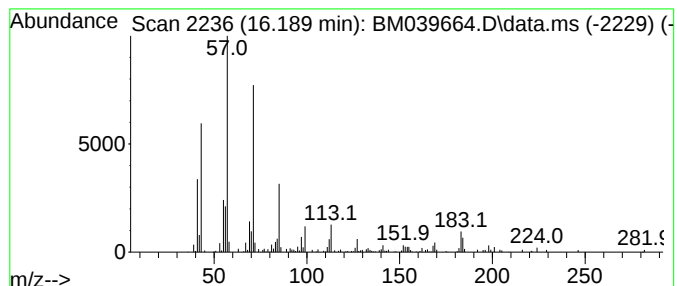
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TIC Integration Parameters: LSCINT.P

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Peak Number 3 (DEL) Alkane: Straight-Chai... Concentration Rank 34

| R.T.   | EstConc    | Area   | Relative to ISTD | R.T.   |
|--------|------------|--------|------------------|--------|
| 16.189 | 2.27 ng/ul | 264030 | Phenanthrene-d10 | 17.218 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm | CAS#        | Qual |
|------|----|---|-------------------------------------|-----|---------|-------------|------|
| 1    |    |   | Hexadecane, 2,6,10,14-tetramethyl-  | 282 | C20H42  | 000638-36-8 | 94   |
| 2    |    |   | Tridecane                           | 184 | C13H28  | 000629-50-5 | 87   |
| 3    |    |   | Decane, 3,6-dimethyl-               | 170 | C12H26  | 017312-53-7 | 87   |
| 4    |    |   | Pentadecane, 2,6,10,14-tetramethyl- | 268 | C19H40  | 001921-70-6 | 86   |
| 5    |    |   | Hexadecane, 2,6,11,15-tetramethyl-  | 282 | C20H42  | 000504-44-9 | 83   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM042523\  
Data File : BM039664.D  
Acq On : 26 Apr 2023 05:54  
Operator : CG/JU  
Sample : 02419-28  
Misc :  
ALS Vial : 33 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
EW925

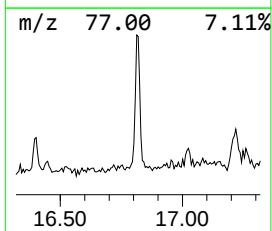
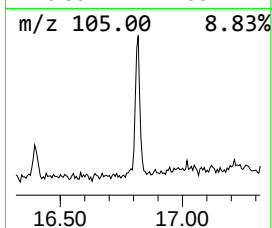
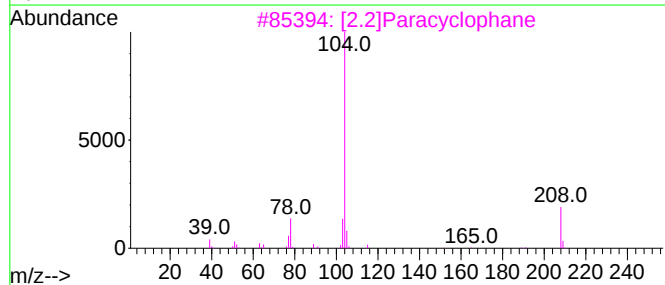
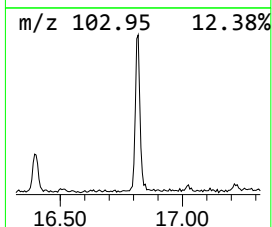
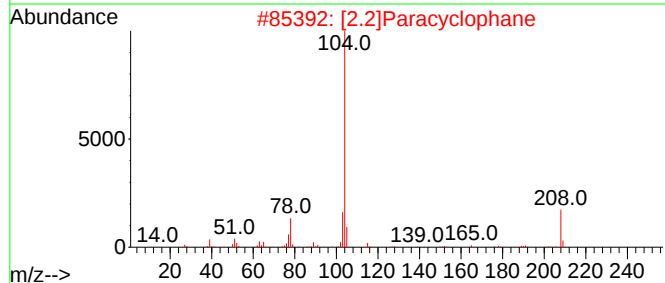
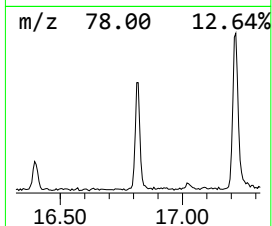
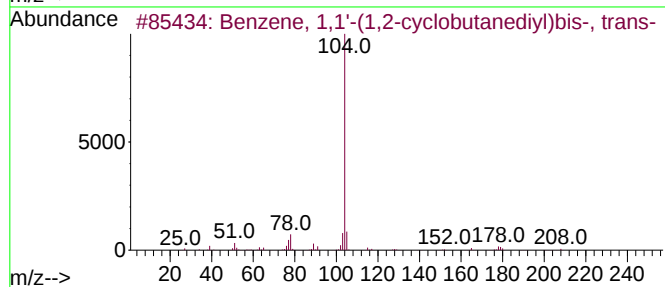
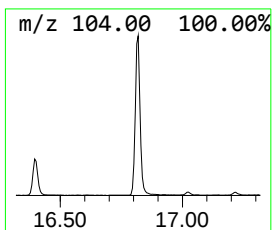
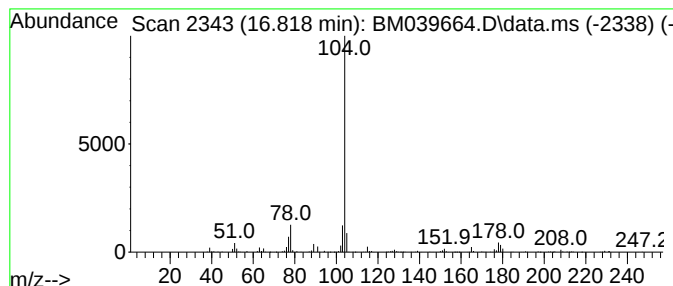
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Quant Title : SVOA CALIBRATION

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

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Peak Number 4 Benzene, 1,1'-(1,2-cyclobut... Concentration Rank 28

| R.T.   | EstConc    | Area   | Relative to ISTD | R.T.   |
|--------|------------|--------|------------------|--------|
| 16.819 | 2.86 ng/ul | 331627 | Phenanthrene-d10 | 17.218 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm | CAS#        | Qual |
|------|----|---|-------------------------------------|-----|---------|-------------|------|
| 1    |    |   | Benzene, 1,1'-(1,2-cyclobutanedi... | 208 | C16H16  | 020071-09-4 | 90   |
| 2    |    |   | [2.2]Paracyclophane                 | 208 | C16H16  | 001633-22-3 | 83   |
| 3    |    |   | [2.2]Paracyclophane                 | 208 | C16H16  | 001633-22-3 | 72   |
| 4    |    |   | [2.2]Paracyclophane                 | 208 | C16H16  | 001633-22-3 | 64   |
| 5    |    |   | Benzene, cyclobutyl-                | 132 | C10H12  | 004392-30-7 | 64   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM042523\  
Data File : BM039664.D  
Acq On : 26 Apr 2023 05:54  
Operator : CG/JU  
Sample : 02419-28  
Misc :  
ALS Vial : 33 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
EW925

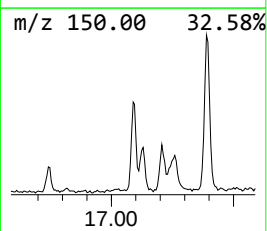
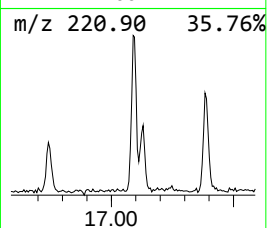
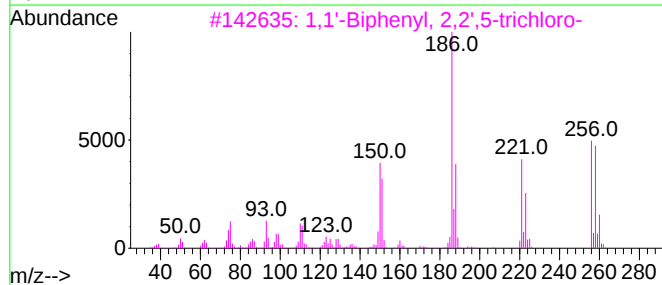
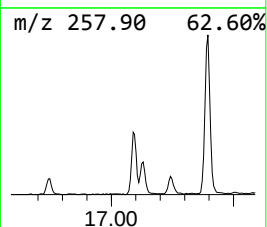
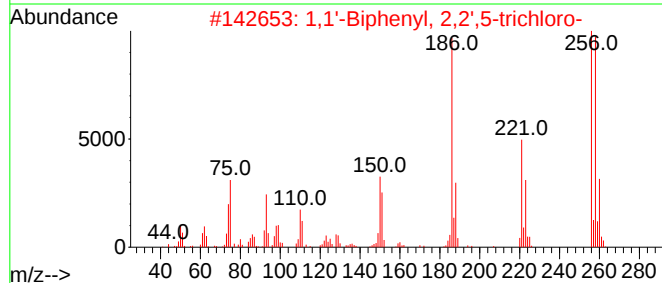
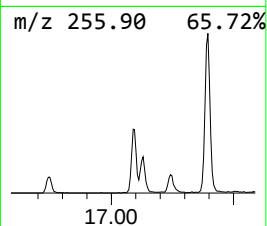
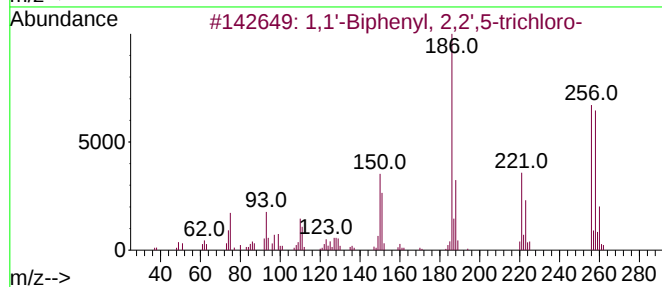
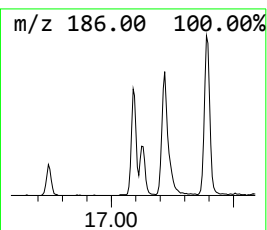
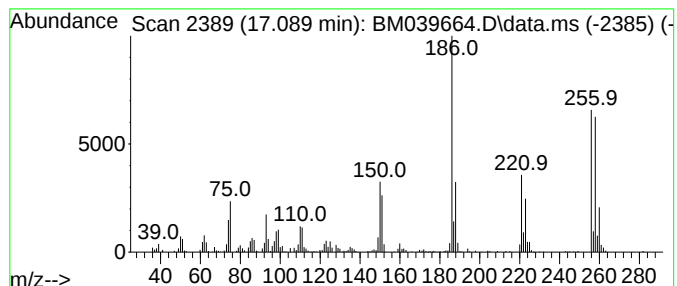
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Quant Title : SVOA CALIBRATION

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

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Peak Number 5 1,1'-Biphenyl, 2,2',5-trich... Concentration Rank 30

| R.T.      | EstConc                          | Area   | Relative to ISTD | R.T.        |      |
|-----------|----------------------------------|--------|------------------|-------------|------|
| 17.089    | 2.70 ng/ul                       | 313356 | Phenanthrene-d10 | 17.218      |      |
| Hit# of 5 | Tentative ID                     | MW     | MolForm          | CAS#        | Qual |
| 1         | 1,1'-Biphenyl, 2,2',5-trichloro- | 256    | C12H7Cl3         | 037680-65-2 | 99   |
| 2         | 1,1'-Biphenyl, 2,2',5-trichloro- | 256    | C12H7Cl3         | 037680-65-2 | 99   |
| 3         | 1,1'-Biphenyl, 2,2',5-trichloro- | 256    | C12H7Cl3         | 037680-65-2 | 99   |
| 4         | 1,1'-Biphenyl, 2,2',5-trichloro- | 256    | C12H7Cl3         | 037680-65-2 | 99   |
| 5         | 1,1'-Biphenyl, 2,2',6-trichloro- | 256    | C12H7Cl3         | 038444-73-4 | 99   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM042523\  
Data File : BM039664.D  
Acq On : 26 Apr 2023 05:54  
Operator : CG/JU  
Sample : 02419-28  
Misc :  
ALS Vial : 33 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
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Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\SFAM-EPA-BM041823.MA.M  
Quant Title : SVOA CALIBRATION

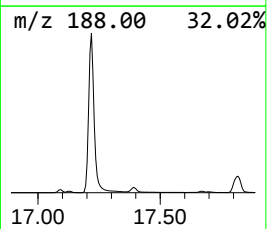
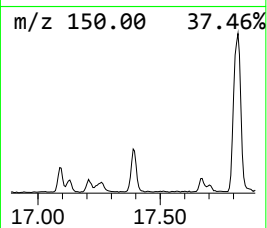
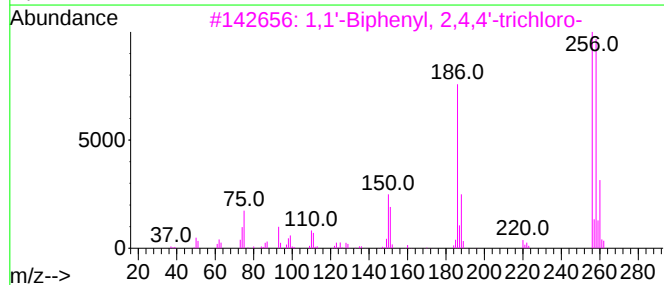
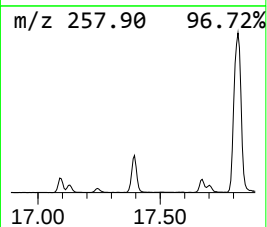
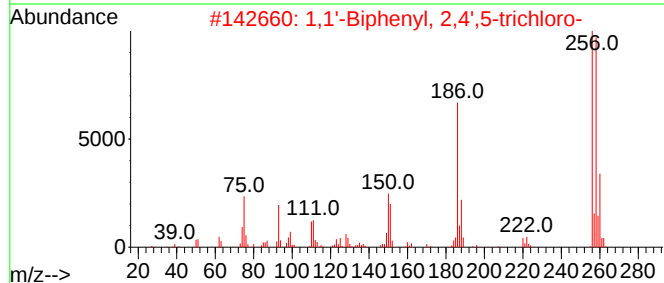
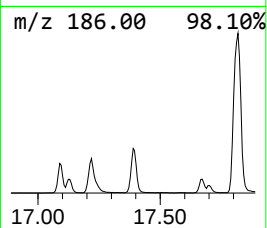
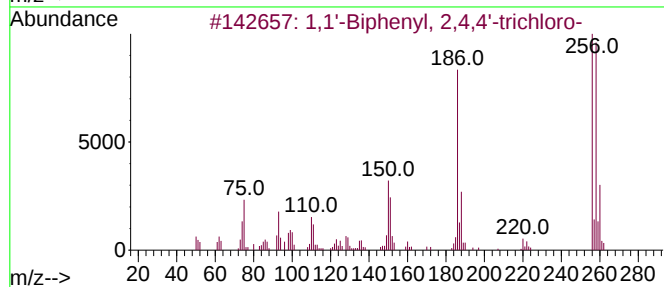
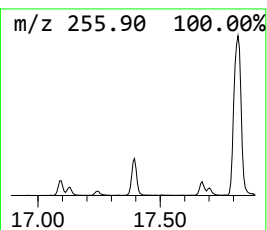
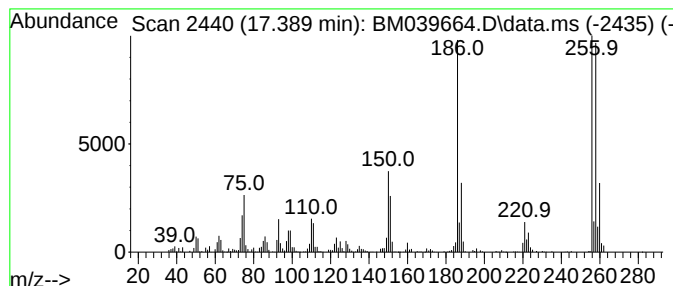
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TIC Integration Parameters: LSCINT.P

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Peak Number 6 1,1'-Biphenyl, 2,4,4'-trich... Concentration Rank 15

| R.T.   | EstConc    | Area   | Relative to ISTD | R.T.   |
|--------|------------|--------|------------------|--------|
| 17.389 | 5.34 ng/ul | 619861 | Phenanthrene-d10 | 17.218 |

| Hit# | of                               | 5   | Tentative ID | MW          | MolForm | CAS# | Qual |
|------|----------------------------------|-----|--------------|-------------|---------|------|------|
| 1    | 1,1'-Biphenyl, 2,4,4'-trichloro- | 256 | C12H7Cl3     | 007012-37-5 | 99      |      |      |
| 2    | 1,1'-Biphenyl, 2,4',5-trichloro- | 256 | C12H7Cl3     | 016606-02-3 | 99      |      |      |
| 3    | 1,1'-Biphenyl, 2,4,4'-trichloro- | 256 | C12H7Cl3     | 007012-37-5 | 99      |      |      |
| 4    | 1,1'-Biphenyl, 2,3,3'-trichloro- | 256 | C12H7Cl3     | 038444-84-7 | 98      |      |      |
| 5    | 1,1'-Biphenyl, 2,3,4'-Trichloro- | 256 | C12H7Cl3     | 038444-85-8 | 98      |      |      |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM042523\  
Data File : BM039664.D  
Acq On : 26 Apr 2023 05:54  
Operator : CG/JU  
Sample : 02419-28  
Misc :  
ALS Vial : 33 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
EW925

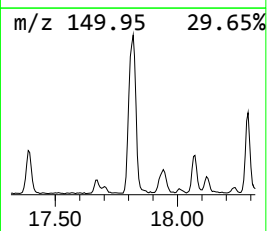
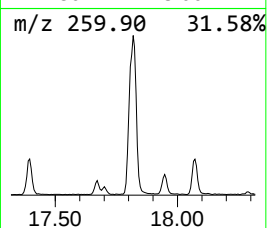
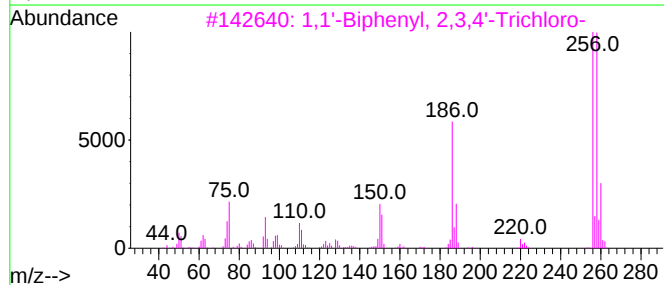
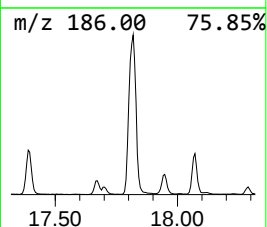
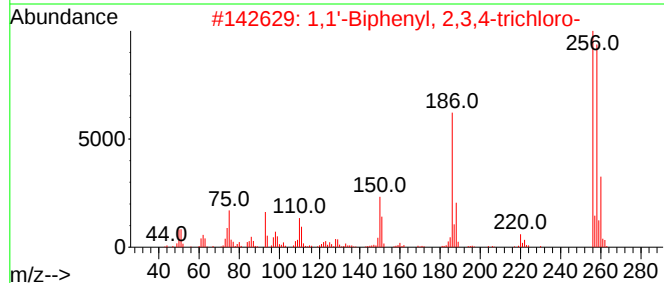
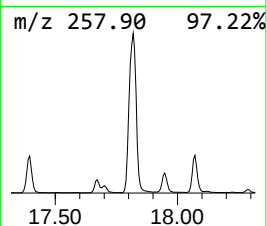
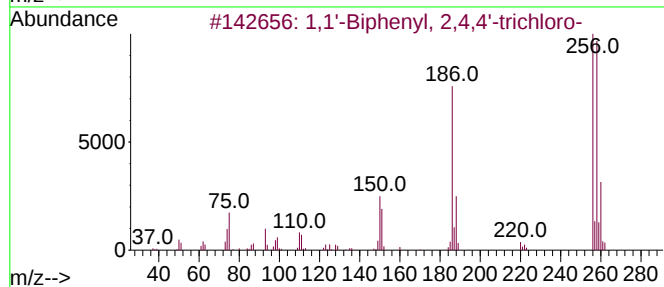
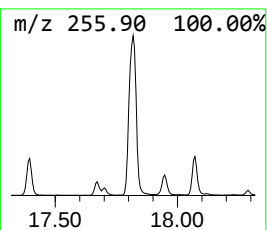
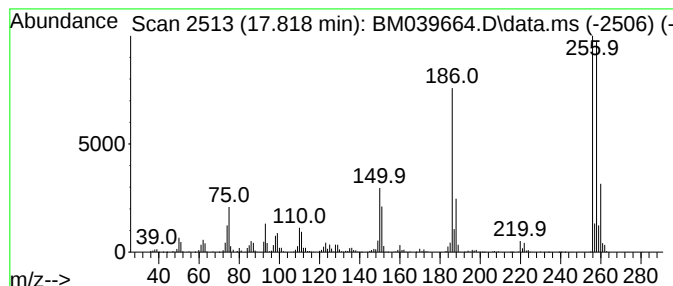
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Quant Title : SVOA CALIBRATION

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

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Peak Number 7 1,1'-Biphenyl, 2,3,4-trichl... Concentration Rank 1

| R.T.   | EstConc     | Area    | Relative to ISTD | R.T.   |
|--------|-------------|---------|------------------|--------|
| 17.818 | 25.37 ng/ul | 2944180 | Phenanthrene-d10 | 17.218 |

| Hit# | of 5                             | Tentative ID | MW       | MolForm     | CAS# | Qual |
|------|----------------------------------|--------------|----------|-------------|------|------|
| 1    | 1,1'-Biphenyl, 2,4,4'-trichloro- | 256          | C12H7Cl3 | 007012-37-5 | 99   |      |
| 2    | 1,1'-Biphenyl, 2,3,4-trichloro-  | 256          | C12H7Cl3 | 055702-46-0 | 99   |      |
| 3    | 1,1'-Biphenyl, 2,3,4'-Trichloro- | 256          | C12H7Cl3 | 038444-85-8 | 99   |      |
| 4    | 1,1'-Biphenyl, 2,4,4'-trichloro- | 256          | C12H7Cl3 | 007012-37-5 | 99   |      |
| 5    | 1,1'-Biphenyl, 2',3,4-trichloro- | 256          | C12H7Cl3 | 038444-86-9 | 99   |      |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM042523\  
Data File : BM039664.D  
Acq On : 26 Apr 2023 05:54  
Operator : CG/JU  
Sample : 02419-28  
Misc :  
ALS Vial : 33 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
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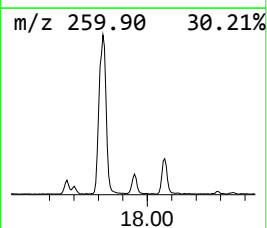
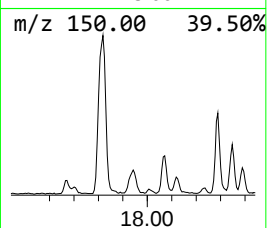
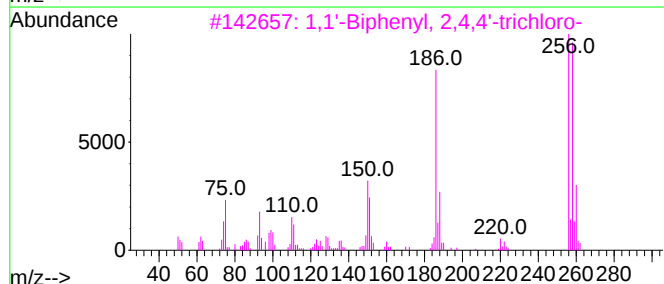
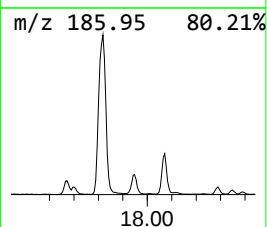
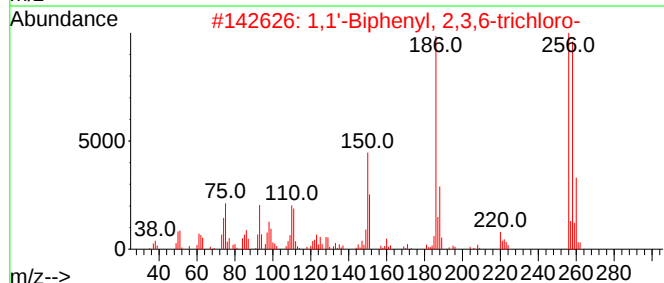
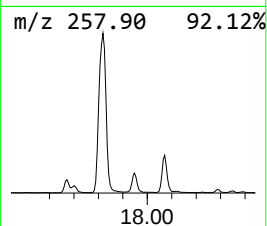
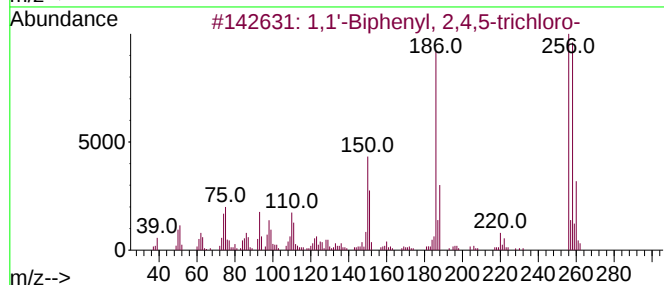
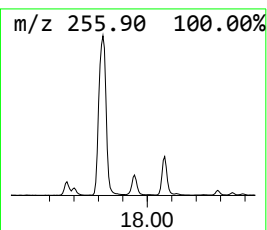
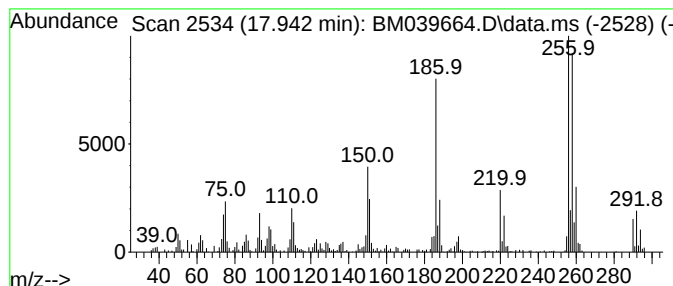
TIC Library : C:\Database\NIST20.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 8 1,1'-Biphenyl, 2,4,5-trichl... Concentration Rank 21

| R.T.   | EstConc    | Area   | Relative to ISTD | R.T.   |
|--------|------------|--------|------------------|--------|
| 17.942 | 3.83 ng/ul | 444096 | Phenanthrene-d10 | 17.218 |

| Hit# | of 5                             | Tentative ID | MW       | MolForm     | CAS# | Qual |
|------|----------------------------------|--------------|----------|-------------|------|------|
| 1    | 1,1'-Biphenyl, 2,4,5-trichloro-  | 256          | C12H7Cl3 | 015862-07-4 | 99   |      |
| 2    | 1,1'-Biphenyl, 2,3,6-trichloro-  | 256          | C12H7Cl3 | 055702-45-9 | 99   |      |
| 3    | 1,1'-Biphenyl, 2,4,4'-trichloro- | 256          | C12H7Cl3 | 007012-37-5 | 99   |      |
| 4    | 1,1'-Biphenyl, 3,3',5-trichloro- | 256          | C12H7Cl3 | 038444-87-0 | 99   |      |
| 5    | 1,1'-Biphenyl, 3,4',5-trichloro- | 256          | C12H7Cl3 | 038444-88-1 | 99   |      |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM042523\  
Data File : BM039664.D  
Acq On : 26 Apr 2023 05:54  
Operator : CG/JU  
Sample : 02419-28  
Misc :  
ALS Vial : 33 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
EW925

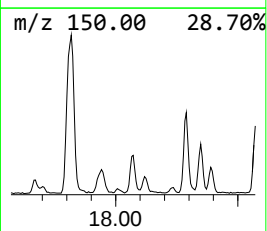
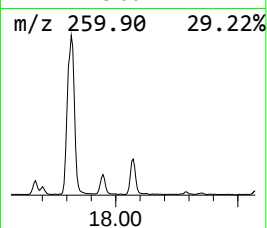
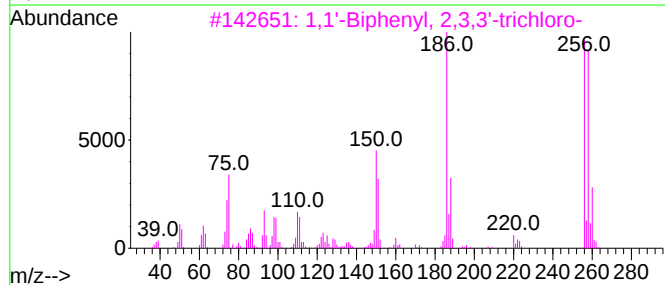
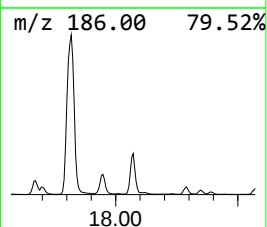
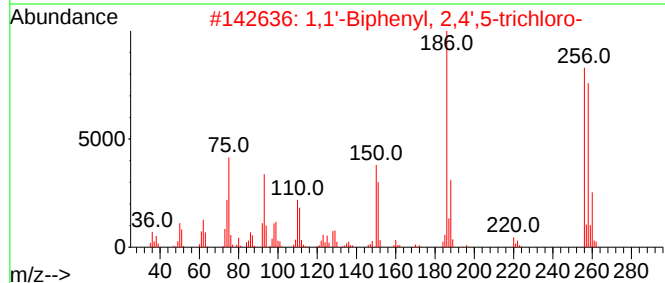
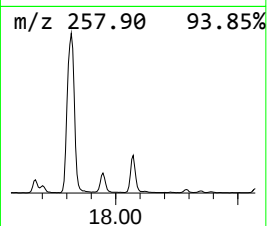
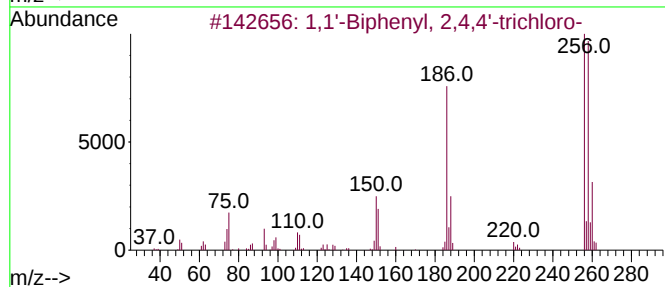
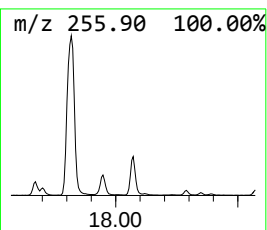
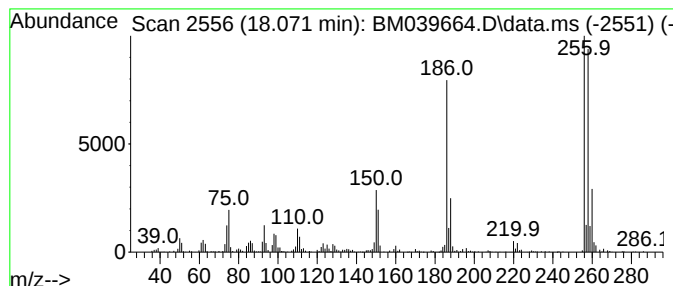
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Quant Title : SVOA CALIBRATION

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

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Peak Number 9 1,1'-Biphenyl, 2,3,3'-trich... Concentration Rank 18

| R.T.   | EstConc    | Area   | Relative to ISTD | R.T.   |
|--------|------------|--------|------------------|--------|
| 18.071 | 4.43 ng/ul | 514578 | Phenanthrene-d10 | 17.218 |

| Hit# | of                               | 5   | Tentative ID | MW          | MolForm | CAS# | Qual |
|------|----------------------------------|-----|--------------|-------------|---------|------|------|
| 1    | 1,1'-Biphenyl, 2,4,4'-trichloro- | 256 | C12H7Cl3     | 007012-37-5 | 99      |      |      |
| 2    | 1,1'-Biphenyl, 2,4',5-trichloro- | 256 | C12H7Cl3     | 016606-02-3 | 99      |      |      |
| 3    | 1,1'-Biphenyl, 2,3,3'-trichloro- | 256 | C12H7Cl3     | 038444-84-7 | 99      |      |      |
| 4    | 1,1'-Biphenyl, 2,3,4'-Trichloro- | 256 | C12H7Cl3     | 038444-85-8 | 99      |      |      |
| 5    | 1,1'-Biphenyl, 2,4,4'-trichloro- | 256 | C12H7Cl3     | 007012-37-5 | 99      |      |      |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM042523\  
Data File : BM039664.D  
Acq On : 26 Apr 2023 05:54  
Operator : CG/JU  
Sample : 02419-28  
Misc :  
ALS Vial : 33 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
EW925

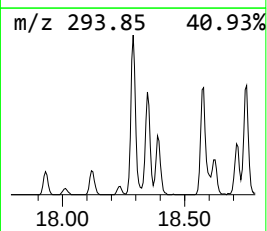
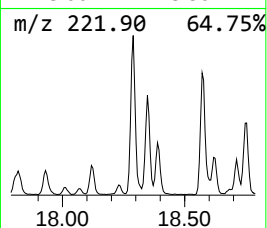
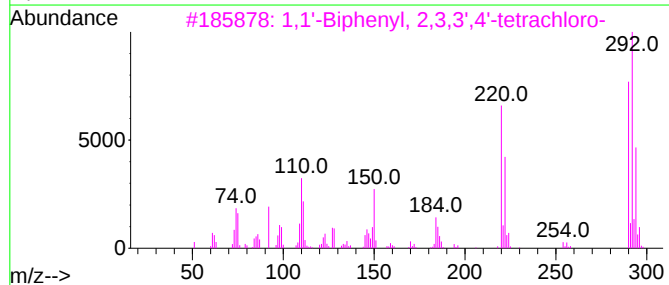
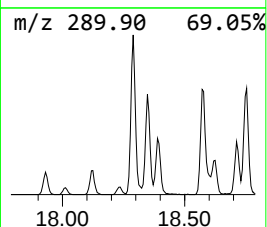
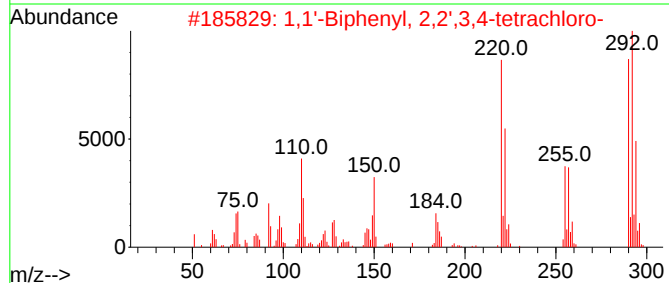
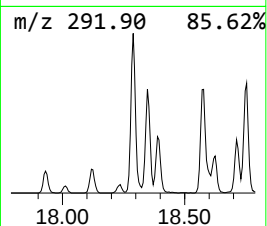
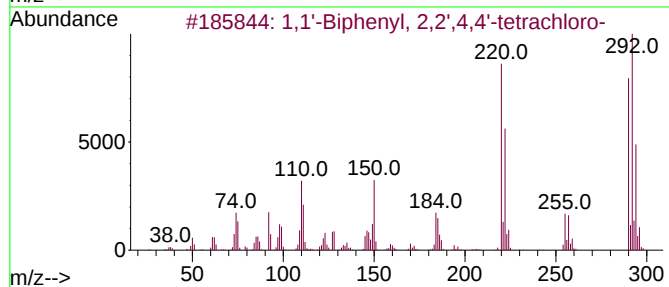
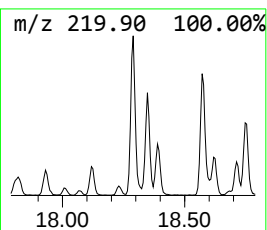
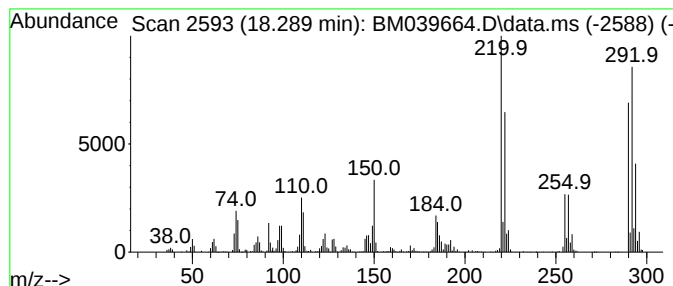
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Quant Title : SVOA CALIBRATION

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

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Peak Number 10 1,1'-Biphenyl, 2,2',4,4'-te... Concentration Rank 4

| R.T.   | EstConc     | Area    | Relative to ISTD | R.T.   |
|--------|-------------|---------|------------------|--------|
| 18.289 | 10.37 ng/ul | 1204130 | Phenanthrene-d10 | 17.218 |

| Hit# | of                                   | 5   | Tentative ID | MW          | MolForm | CAS# | Qual |
|------|--------------------------------------|-----|--------------|-------------|---------|------|------|
| 1    | 1,1'-Biphenyl, 2,2',4,4'-tetrach...  | 290 | C12H6Cl4     | 002437-79-8 | 99      |      |      |
| 2    | 1,1'-Biphenyl, 2,2',3,4'-tetrachl... | 290 | C12H6Cl4     | 052663-59-9 | 99      |      |      |
| 3    | 1,1'-Biphenyl, 2,3,3',4'-tetrach...  | 290 | C12H6Cl4     | 041464-43-1 | 99      |      |      |
| 4    | 2,2',3,6-Tetrachloro-1,1'-biphenyl   | 290 | C12H6Cl4     | 070362-45-7 | 99      |      |      |
| 5    | 1,1'-Biphenyl, 2,2',4,4'-tetrach...  | 290 | C12H6Cl4     | 002437-79-8 | 99      |      |      |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM042523\  
Data File : BM039664.D  
Acq On : 26 Apr 2023 05:54  
Operator : CG/JU  
Sample : 02419-28  
Misc :  
ALS Vial : 33 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
EW925

Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\SFAM-EPA-BM041823.MA.M  
Quant Title : SVOA CALIBRATION

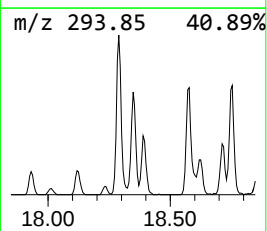
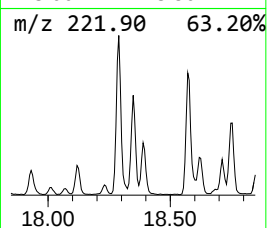
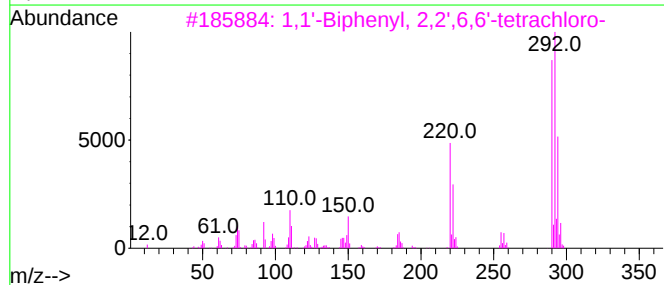
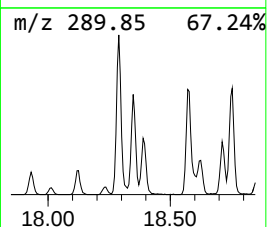
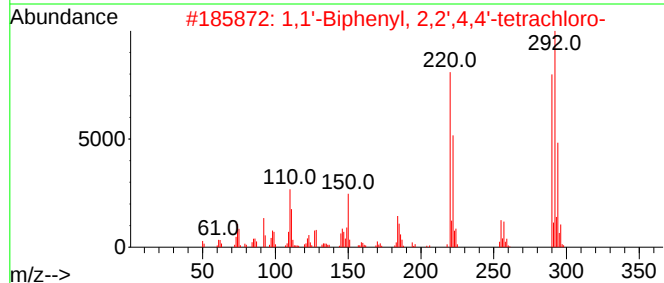
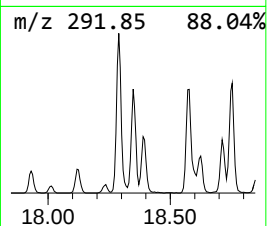
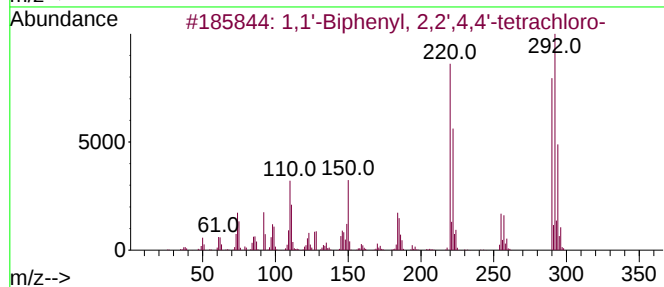
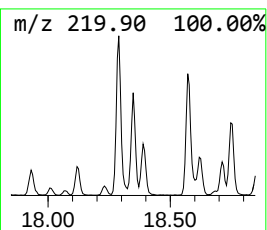
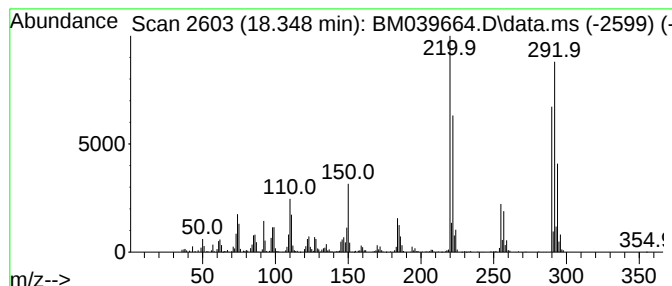
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TIC Integration Parameters: LSCINT.P

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Peak Number 11 1,1'-Biphenyl, 2,2',6,6'-te... Concentration Rank 11

| R.T.   | EstConc    | Area   | Relative to ISTD | R.T.   |
|--------|------------|--------|------------------|--------|
| 18.348 | 6.18 ng/ul | 716935 | Phenanthrene-d10 | 17.218 |

| Hit# | of 5                                | Tentative ID | MW       | MolForm     | CAS# | Qual |
|------|-------------------------------------|--------------|----------|-------------|------|------|
| 1    | 1,1'-Biphenyl, 2,2',4,4'-tetrach... | 290          | C12H6Cl4 | 002437-79-8 | 99   |      |
| 2    | 1,1'-Biphenyl, 2,2',4,4'-tetrach... | 290          | C12H6Cl4 | 002437-79-8 | 99   |      |
| 3    | 1,1'-Biphenyl, 2,2',6,6'-tetrach... | 290          | C12H6Cl4 | 015968-05-5 | 99   |      |
| 4    | 1,1'-Biphenyl, 2,3',5,5'-tetrach... | 290          | C12H6Cl4 | 041464-42-0 | 99   |      |
| 5    | 1,1'-Biphenyl, 2,3,3',4'-tetrach... | 290          | C12H6Cl4 | 041464-43-1 | 99   |      |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM042523\  
Data File : BM039664.D  
Acq On : 26 Apr 2023 05:54  
Operator : CG/JU  
Sample : 02419-28  
Misc :  
ALS Vial : 33 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
EW925

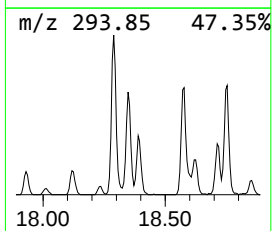
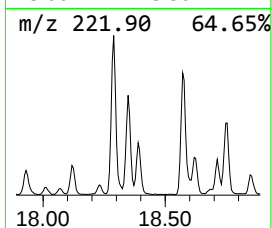
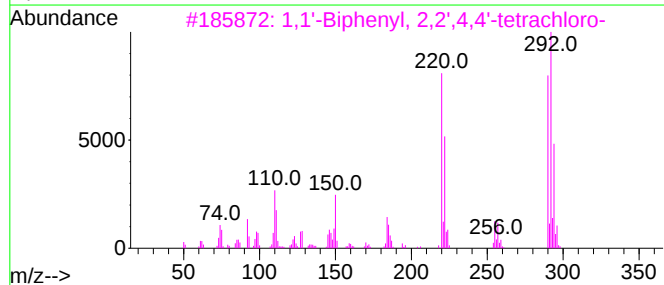
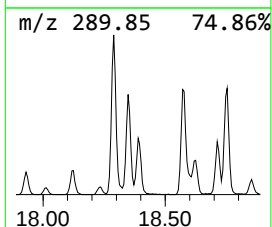
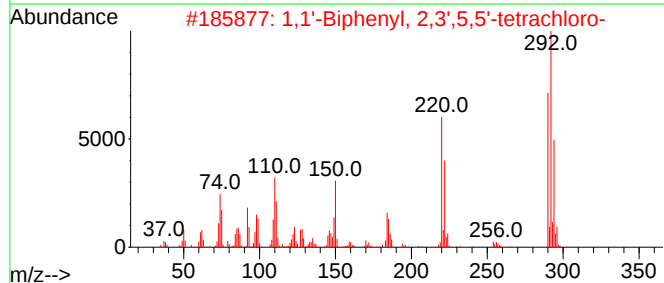
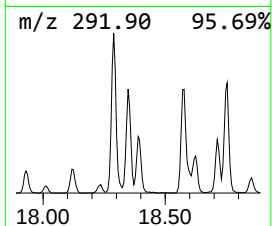
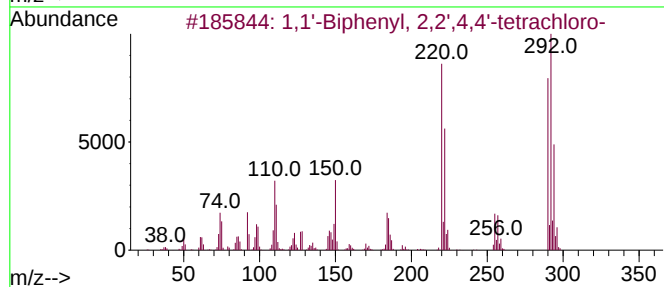
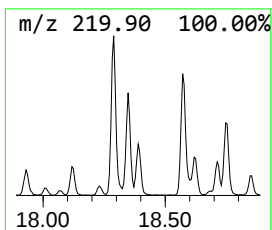
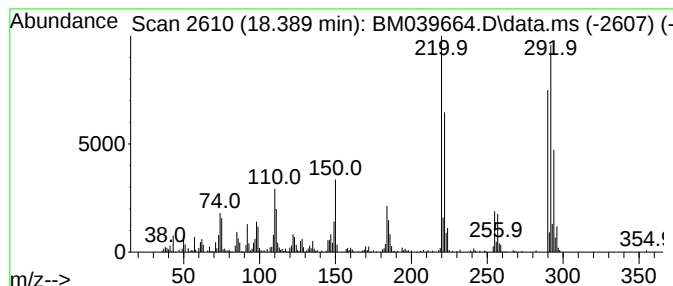
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Quant Title : SVOA CALIBRATION

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

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Peak Number 12 1,1'-Biphenyl, 2,3',5,5'-te... Concentration Rank 24

| R.T.      | EstConc                             | Area   | Relative to ISTD | R.T.        |      |
|-----------|-------------------------------------|--------|------------------|-------------|------|
| 18.389    | 3.47 ng/ul                          | 402639 | Phenanthrene-d10 | 17.218      |      |
| Hit# of 5 | Tentative ID                        | MW     | MolForm          | CAS#        | Qual |
| 1         | 1,1'-Biphenyl, 2,2',4,4'-tetrach... | 290    | C12H6Cl4         | 002437-79-8 | 99   |
| 2         | 1,1'-Biphenyl, 2,3',5,5'-tetrach... | 290    | C12H6Cl4         | 041464-42-0 | 99   |
| 3         | 1,1'-Biphenyl, 2,2',4,4'-tetrach... | 290    | C12H6Cl4         | 002437-79-8 | 99   |
| 4         | 1,1'-Biphenyl, 2,2',6,6'-tetrach... | 290    | C12H6Cl4         | 015968-05-5 | 99   |
| 5         | 1,1'-Biphenyl, 2,2',4,5'-tetrach... | 290    | C12H6Cl4         | 041464-40-8 | 99   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM042523\  
Data File : BM039664.D  
Acq On : 26 Apr 2023 05:54  
Operator : CG/JU  
Sample : 02419-28  
Misc :  
ALS Vial : 33 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
EW925

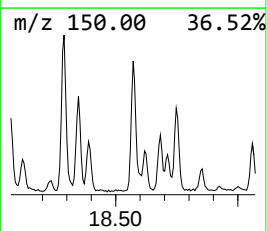
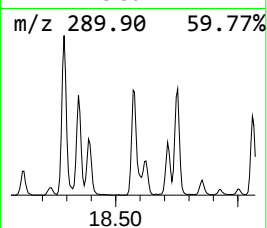
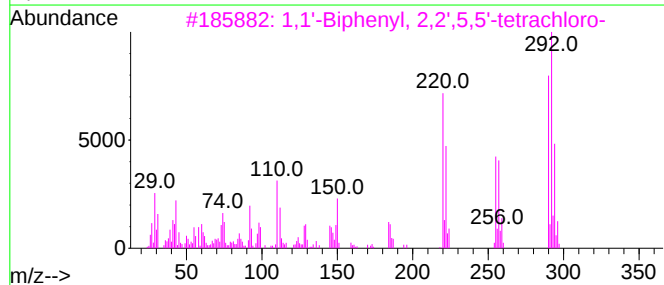
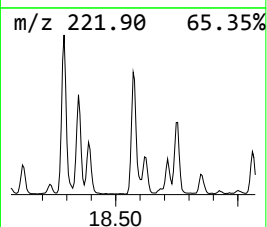
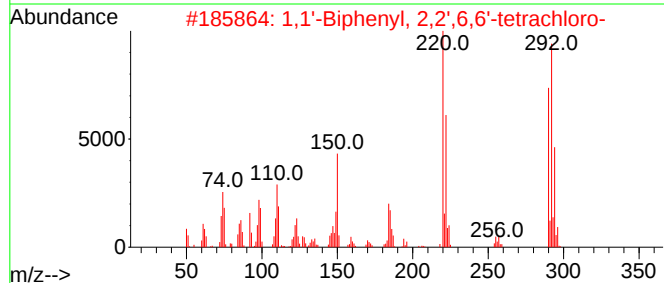
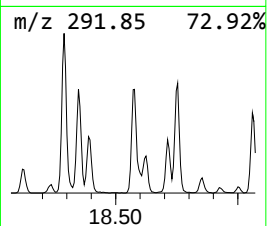
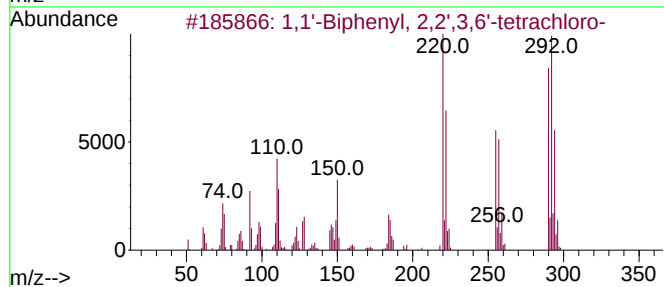
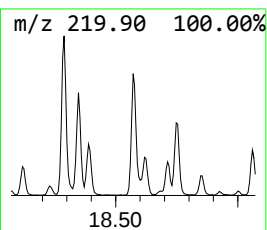
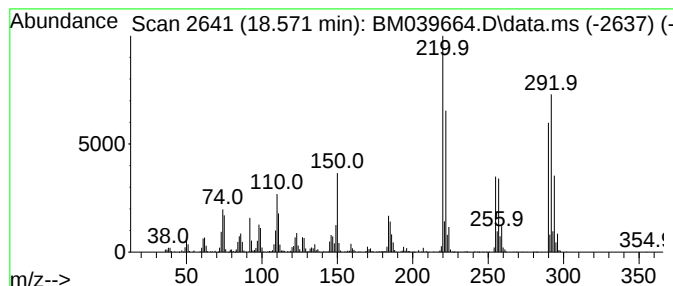
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Quant Title : SVOA CALIBRATION

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

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Peak Number 13 1,1'-Biphenyl, 2,2',3,6'-te... Concentration Rank 7

| R.T.      | EstConc                             | Area    | Relative to ISTD | R.T.        |      |
|-----------|-------------------------------------|---------|------------------|-------------|------|
| 18.571    | 8.89 ng/ul                          | 1031540 | Phenanthrene-d10 | 17.218      |      |
| Hit# of 5 | Tentative ID                        | MW      | MolForm          | CAS#        | Qual |
| 1         | 1,1'-Biphenyl, 2,2',3,6'-tetrach... | 290     | C12H6Cl4         | 041464-47-5 | 99   |
| 2         | 1,1'-Biphenyl, 2,2',6,6'-tetrach... | 290     | C12H6Cl4         | 015968-05-5 | 99   |
| 3         | 1,1'-Biphenyl, 2,2',5,5'-tetrach... | 290     | C12H6Cl4         | 035693-99-3 | 99   |
| 4         | 2,2',4,6'-Tetrachloro-1,1'-biphenyl | 290     | C12H6Cl4         | 068194-04-7 | 99   |
| 5         | 1,1'-Biphenyl, 2,2',4,4'-tetrach... | 290     | C12H6Cl4         | 002437-79-8 | 99   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM042523\  
Data File : BM039664.D  
Acq On : 26 Apr 2023 05:54  
Operator : CG/JU  
Sample : 02419-28  
Misc :  
ALS Vial : 33 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
EW925

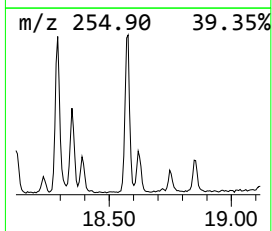
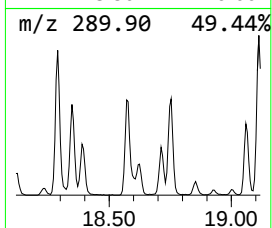
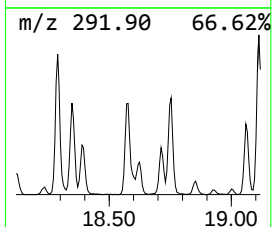
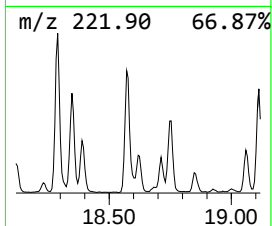
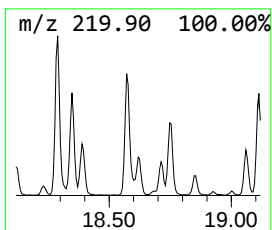
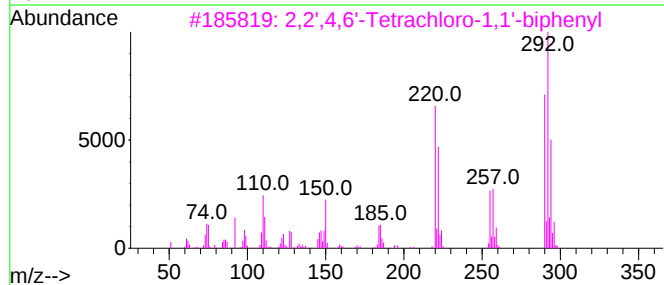
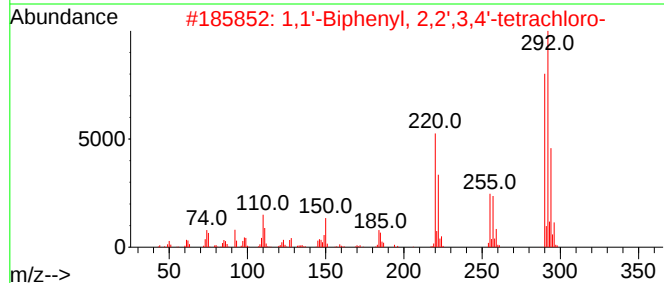
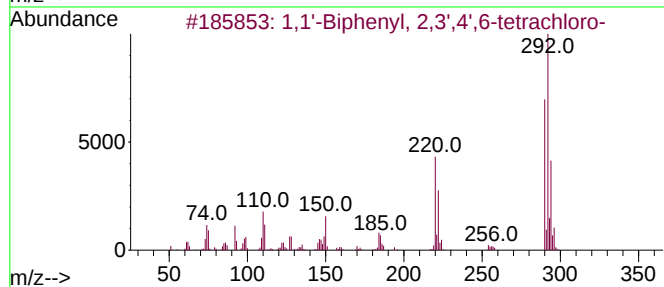
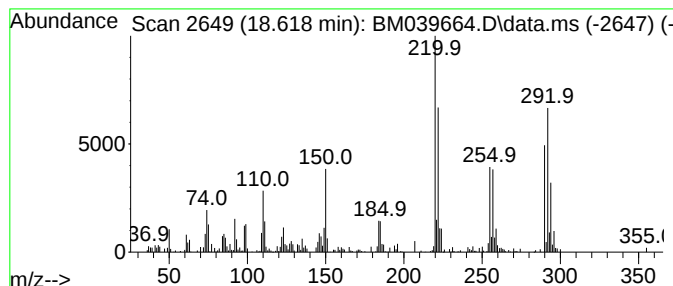
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Quant Title : SVOA CALIBRATION

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

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Peak Number 14 1,1'-Biphenyl, 2,3',4',6-te... Concentration Rank 31

| R.T.      | EstConc                             | Area   | Relative to ISTD | R.T.        |      |
|-----------|-------------------------------------|--------|------------------|-------------|------|
| 18.618    | 2.53 ng/ul                          | 294032 | Phenanthrene-d10 | 17.218      |      |
| Hit# of 5 | Tentative ID                        | MW     | MolForm          | CAS#        | Qual |
| 1         | 1,1'-Biphenyl, 2,3',4',6-tetrach... | 290    | C12H6Cl4         | 041464-46-4 | 97   |
| 2         | 1,1'-Biphenyl, 2,2',3,4'-tetrach... | 290    | C12H6Cl4         | 036559-22-5 | 96   |
| 3         | 2,2',4,6'-Tetrachloro-1,1'-biphenyl | 290    | C12H6Cl4         | 068194-04-7 | 96   |
| 4         | 2,2',3,6-Tetrachloro-1,1'-biphenyl  | 290    | C12H6Cl4         | 070362-45-7 | 96   |
| 5         | 1,1'-Biphenyl, 2,2',4,5'-tetrach... | 290    | C12H6Cl4         | 041464-40-8 | 95   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM042523\  
Data File : BM039664.D  
Acq On : 26 Apr 2023 05:54  
Operator : CG/JU  
Sample : 02419-28  
Misc :  
ALS Vial : 33 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
EW925

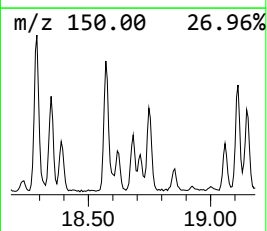
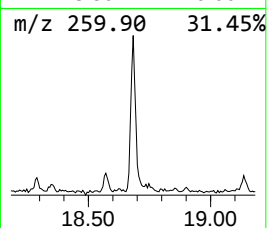
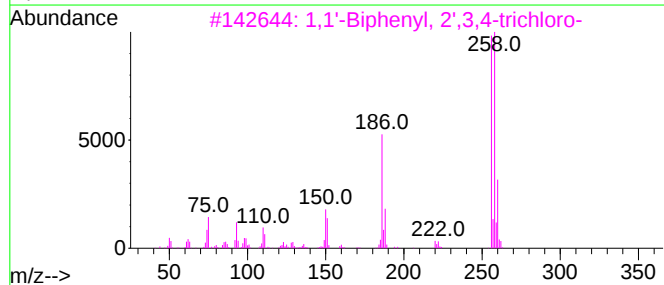
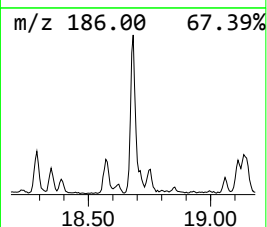
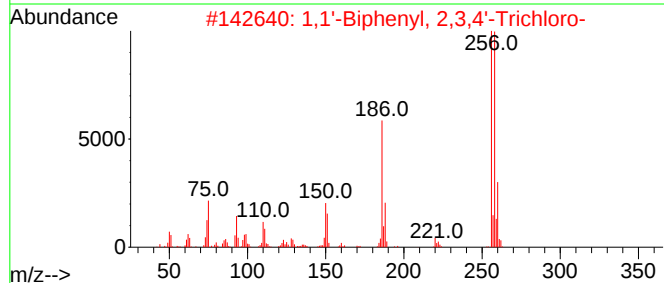
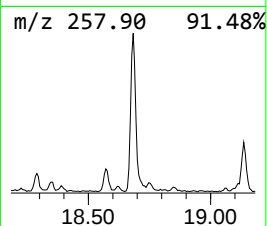
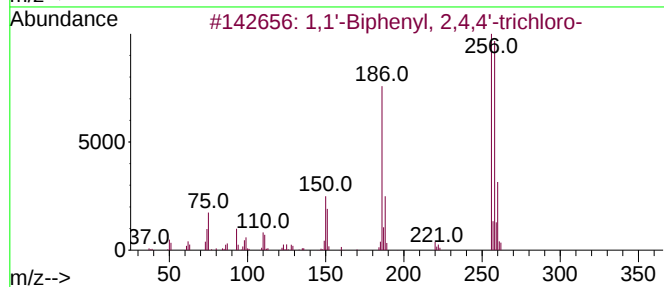
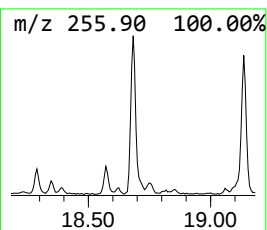
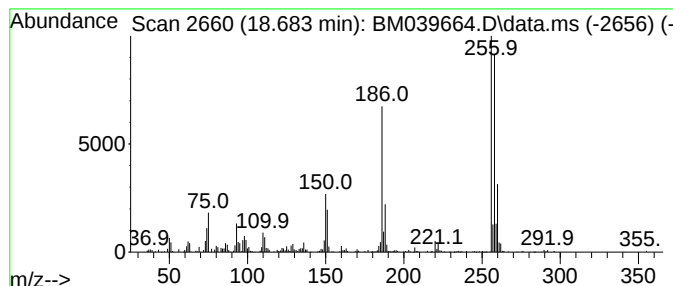
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Quant Title : SVOA CALIBRATION

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

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Peak Number 15 1,1'-Biphenyl, 2,3',5-trich... Concentration Rank 23

| R.T.      | EstConc                          | Area   | Relative to ISTD | R.T.        |      |
|-----------|----------------------------------|--------|------------------|-------------|------|
| 18.683    | 3.50 ng/ul                       | 406400 | Phenanthrene-d10 | 17.218      |      |
| Hit# of 5 | Tentative ID                     | MW     | MolForm          | CAS#        | Qual |
| 1         | 1,1'-Biphenyl, 2,4,4'-trichloro- | 256    | C12H7Cl3         | 007012-37-5 | 99   |
| 2         | 1,1'-Biphenyl, 2,3,4'-Trichloro- | 256    | C12H7Cl3         | 038444-85-8 | 99   |
| 3         | 1,1'-Biphenyl, 2',3,4-trichloro- | 256    | C12H7Cl3         | 038444-86-9 | 99   |
| 4         | 1,1'-Biphenyl, 2,3',5-trichloro- | 256    | C12H7Cl3         | 038444-81-4 | 99   |
| 5         | 1,1'-Biphenyl, 2,3,3'-trichloro- | 256    | C12H7Cl3         | 038444-84-7 | 99   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM042523\  
Data File : BM039664.D  
Acq On : 26 Apr 2023 05:54  
Operator : CG/JU  
Sample : 02419-28  
Misc :  
ALS Vial : 33 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
EW925

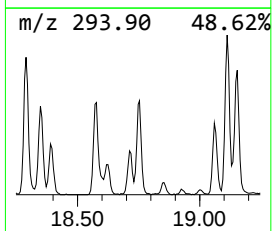
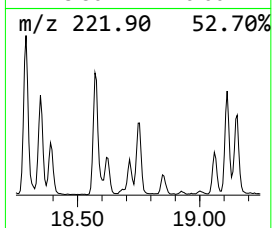
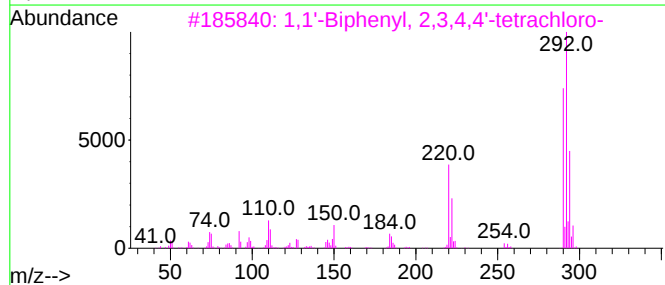
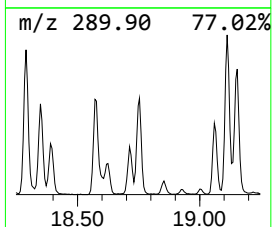
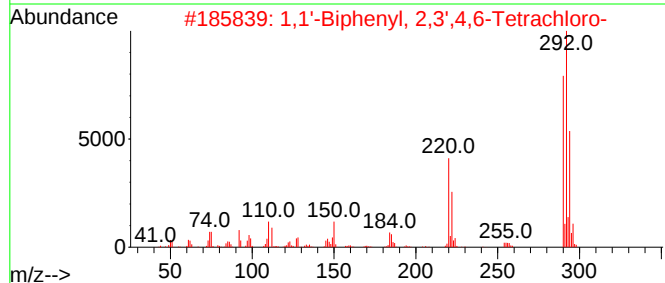
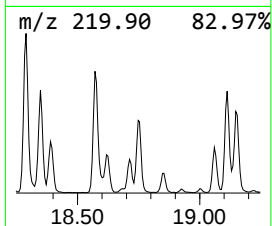
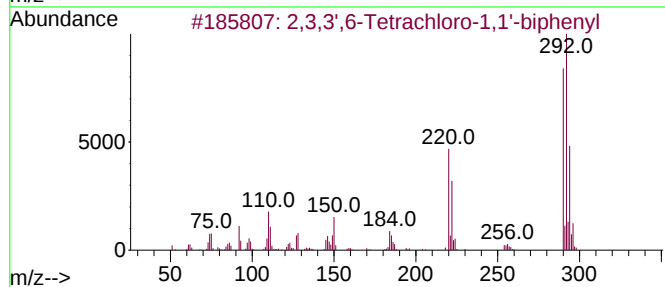
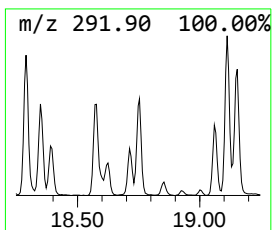
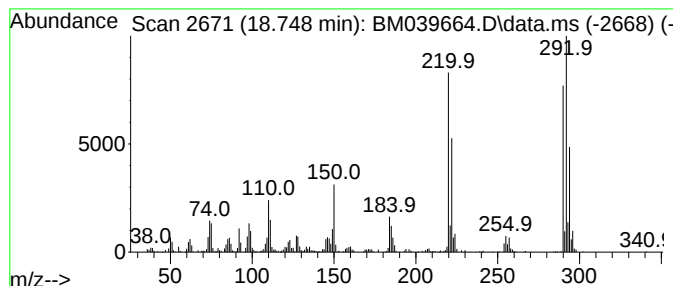
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Quant Title : SVOA CALIBRATION

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

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Peak Number 17 2,3,3',6-Tetrachloro-1,1'-b... Concentration Rank 16

| R.T.   | EstConc                              | Area         | Relative to ISTD | R.T.        |      |      |
|--------|--------------------------------------|--------------|------------------|-------------|------|------|
| 18.748 | 5.18 ng/ul                           | 601124       | Phenanthrene-d10 | 17.218      |      |      |
| Hit#   | of 5                                 | Tentative ID | MW               | MolForm     | CAS# | Qual |
| 1      | 2,3,3',6-Tetrachloro-1,1'-biphenyl   | 290          | C12H6Cl4         | 074472-33-6 | 99   |      |
| 2      | 1,1'-Biphenyl, 2,3',4,6-Tetrachl...  | 290          | C12H6Cl4         | 060233-24-1 | 99   |      |
| 3      | 1,1'-Biphenyl, 2,3,4,4'-tetrachl...  | 290          | C12H6Cl4         | 033025-41-1 | 99   |      |
| 4      | 1,1'-Biphenyl, 2,3,3',5'-tetrachl... | 290          | C12H6Cl4         | 041464-49-7 | 99   |      |
| 5      | 2,3',4,5'-Tetrachloro-1,1'-biphenyl  | 290          | C12H6Cl4         | 073575-52-7 | 99   |      |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM042523\  
Data File : BM039664.D  
Acq On : 26 Apr 2023 05:54  
Operator : CG/JU  
Sample : 02419-28  
Misc :  
ALS Vial : 33 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
EW925

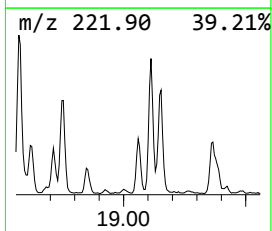
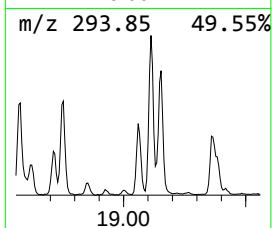
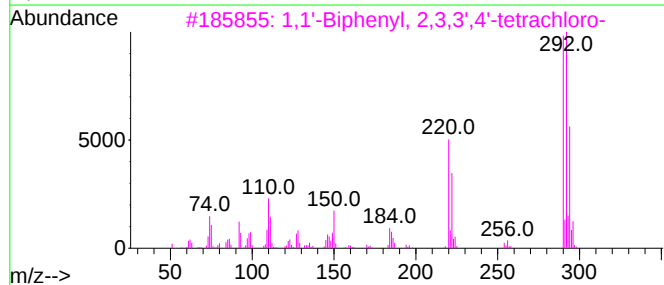
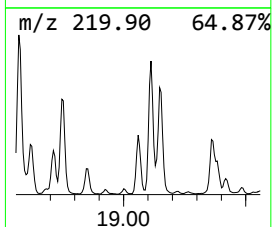
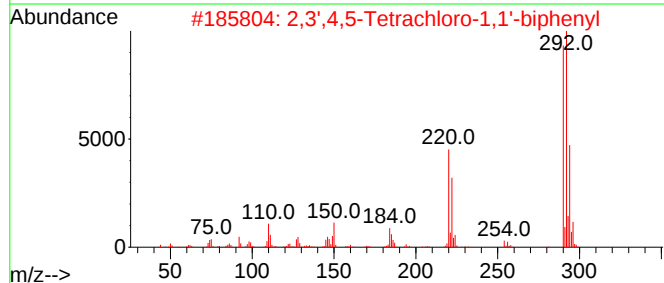
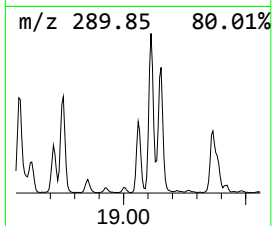
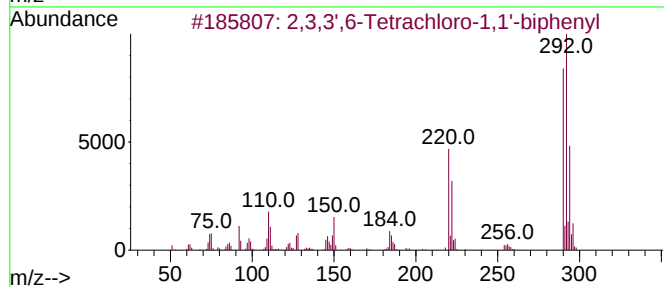
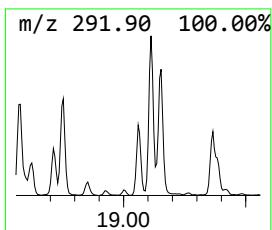
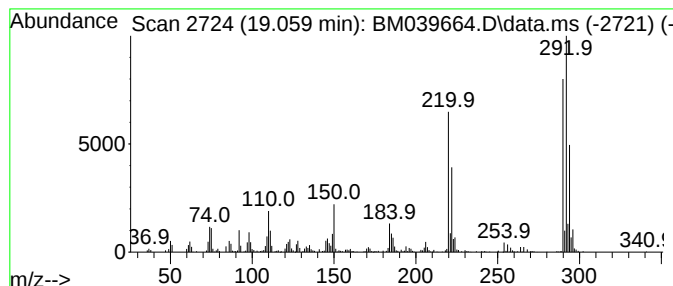
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Quant Title : SVOA CALIBRATION

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

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Peak Number 18 2,3',4,5-Tetrachloro-1,1'-b... Concentration Rank 27

| R.T.   | EstConc                             | Area         | Relative to ISTD | R.T.        |      |      |
|--------|-------------------------------------|--------------|------------------|-------------|------|------|
| 19.060 | 2.95 ng/ul                          | 342395       | Phenanthrene-d10 | 17.218      |      |      |
| Hit#   | of 5                                | Tentative ID | MW               | MolForm     | CAS# | Qual |
| 1      | 2,3,3',6-Tetrachloro-1,1'-biphenyl  | 290          | C12H6Cl4         | 074472-33-6 | 99   |      |
| 2      | 2,3',4,5-Tetrachloro-1,1'-biphenyl  | 290          | C12H6Cl4         | 073575-53-8 | 99   |      |
| 3      | 1,1'-Biphenyl, 2,3,3',4'-tetrach... | 290          | C12H6Cl4         | 041464-43-1 | 99   |      |
| 4      | 1,1'-Biphenyl, 2,2',4,4'-tetrach... | 290          | C12H6Cl4         | 002437-79-8 | 99   |      |
| 5      | 2,3',5',6-Tetrachloro-1,1'-biphenyl | 290          | C12H6Cl4         | 074338-23-1 | 99   |      |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM042523\  
Data File : BM039664.D  
Acq On : 26 Apr 2023 05:54  
Operator : CG/JU  
Sample : 02419-28  
Misc :  
ALS Vial : 33 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
EW925

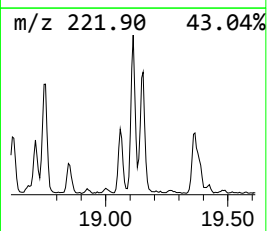
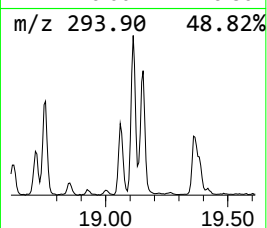
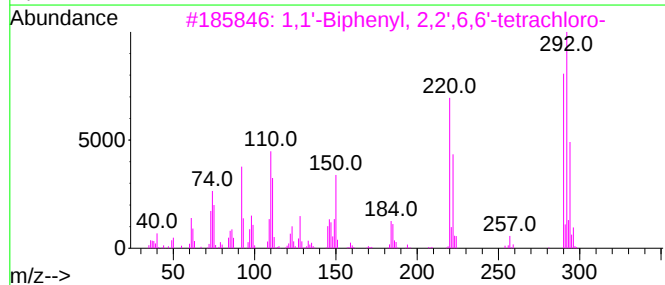
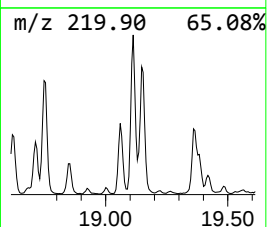
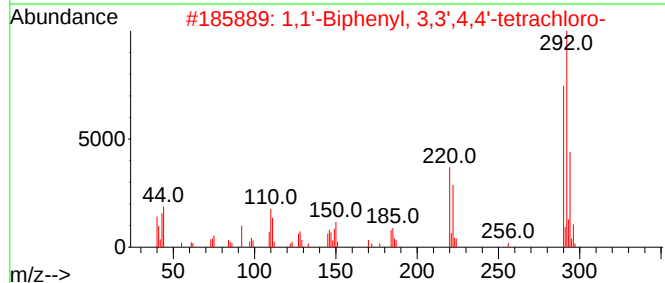
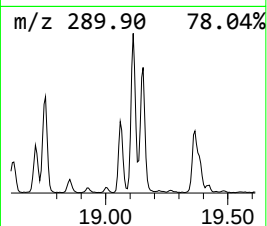
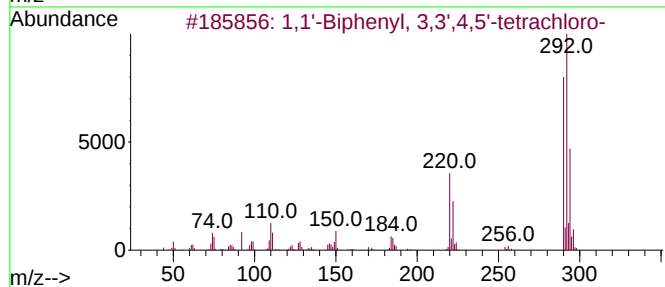
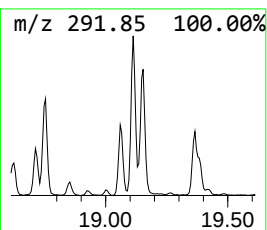
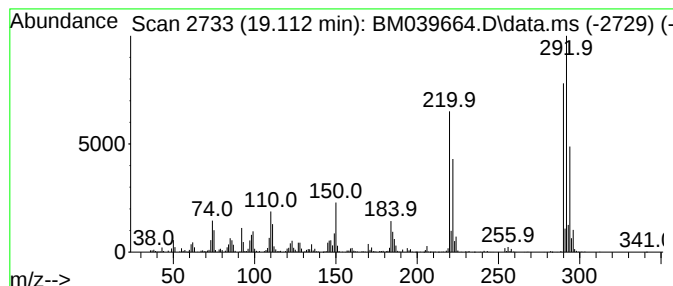
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Quant Title : SVOA CALIBRATION

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

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Peak Number 19 1,1'-Biphenyl, 3,3',4,5'-te... Concentration Rank 8

| R.T.   | EstConc    | Area   | Relative to ISTD | R.T.   |
|--------|------------|--------|------------------|--------|
| 19.112 | 7.94 ng/ul | 921415 | Phenanthrene-d10 | 17.218 |

| Hit# | of 5                                | Tentative ID | MW       | MolForm     | CAS# | Qual |
|------|-------------------------------------|--------------|----------|-------------|------|------|
| 1    | 1,1'-Biphenyl, 3,3',4,5'-tetrach... | 290          | C12H6Cl4 | 041464-48-6 | 99   |      |
| 2    | 1,1'-Biphenyl, 3,3',4,4'-tetrach... | 290          | C12H6Cl4 | 032598-13-3 | 99   |      |
| 3    | 1,1'-Biphenyl, 2,2',6,6'-tetrach... | 290          | C12H6Cl4 | 015968-05-5 | 99   |      |
| 4    | 1,1'-Biphenyl, 2,3',5,5'-tetrach... | 290          | C12H6Cl4 | 041464-42-0 | 99   |      |
| 5    | 1,1'-Biphenyl, 2,3',4',6-tetrach... | 290          | C12H6Cl4 | 041464-46-4 | 98   |      |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM042523\  
Data File : BM039664.D  
Acq On : 26 Apr 2023 05:54  
Operator : CG/JU  
Sample : 02419-28  
Misc :  
ALS Vial : 33 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
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Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\SFAM-EPA-BM041823.MA.M  
Quant Title : SVOA CALIBRATION

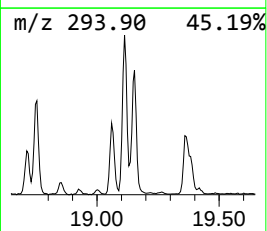
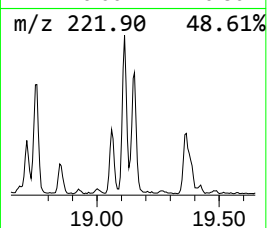
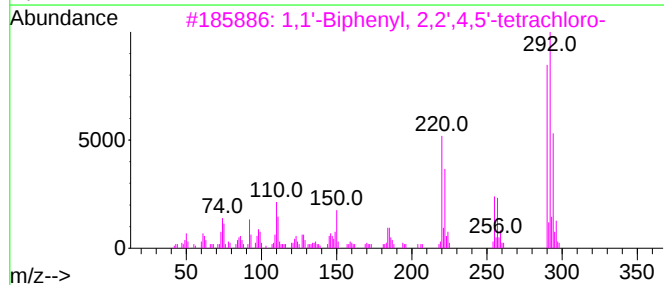
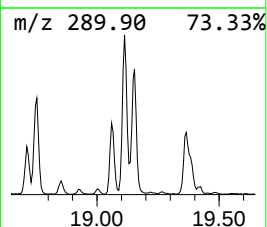
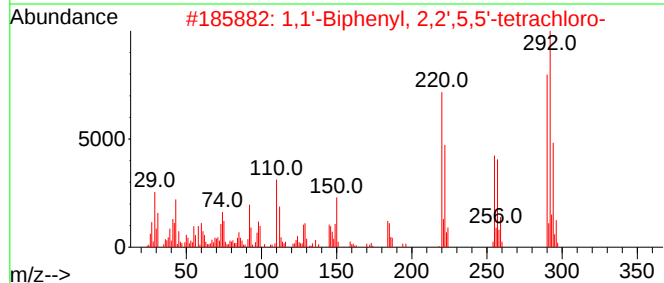
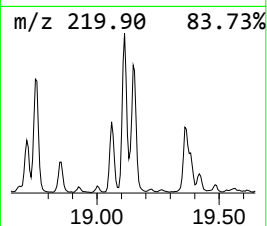
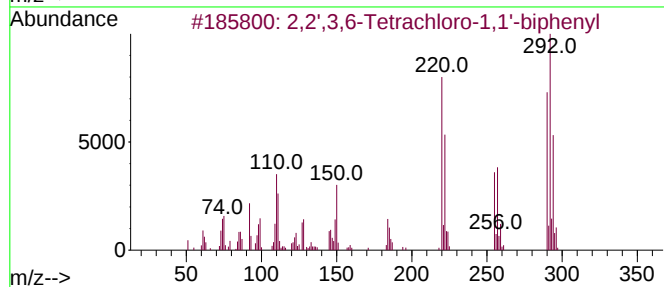
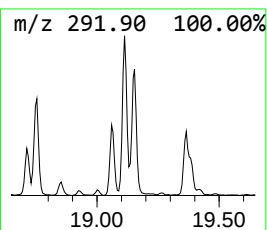
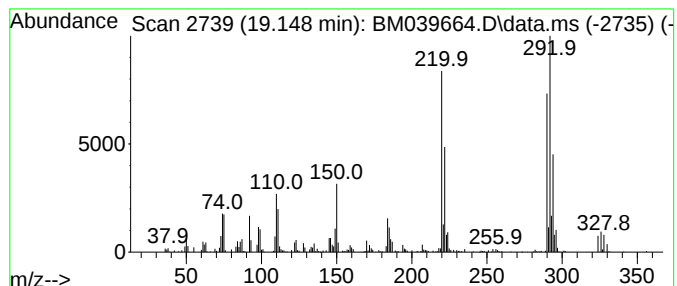
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TIC Integration Parameters: LSCINT.P

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Peak Number 20 2,2',3,6-Tetrachloro-1,1'-b... Concentration Rank 3

| R.T.   | EstConc     | Area    | Relative to ISTD | R.T.   |
|--------|-------------|---------|------------------|--------|
| 19.148 | 10.75 ng/ul | 1247450 | Phenanthrene-d10 | 17.218 |

| Hit# | of 5                                | Tentative ID | MW       | MolForm     | CAS# | Qual |
|------|-------------------------------------|--------------|----------|-------------|------|------|
| 1    | 2,2',3,6-Tetrachloro-1,1'-biphenyl  | 290          | C12H6Cl4 | 070362-45-7 | 99   |      |
| 2    | 1,1'-Biphenyl, 2,2',5,5'-tetrach... | 290          | C12H6Cl4 | 035693-99-3 | 99   |      |
| 3    | 1,1'-Biphenyl, 2,2',4,5'-tetrach... | 290          | C12H6Cl4 | 041464-40-8 | 99   |      |
| 4    | 2,2',4,5-Tetrachloro-1,1'-biphenyl  | 290          | C12H6Cl4 | 070362-47-9 | 99   |      |
| 5    | 1,1'-Biphenyl, 2,2',5,5'-tetrach... | 290          | C12H6Cl4 | 035693-99-3 | 99   |      |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM042523\  
Data File : BM039664.D  
Acq On : 26 Apr 2023 05:54  
Operator : CG/JU  
Sample : 02419-28  
Misc :  
ALS Vial : 33 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
EW925

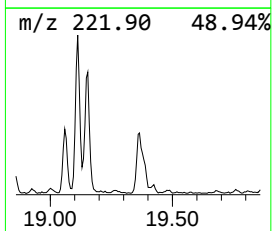
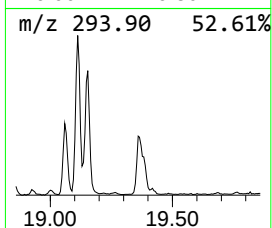
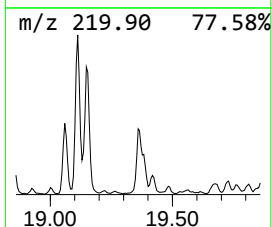
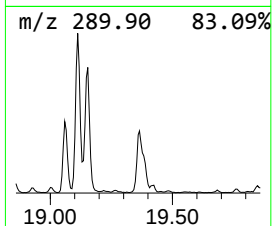
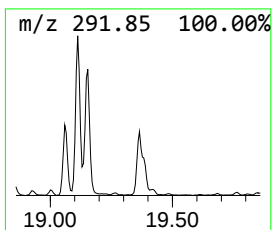
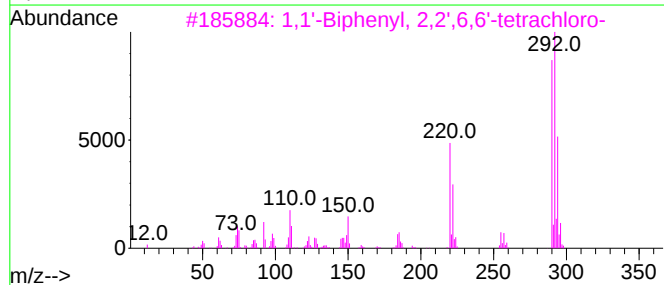
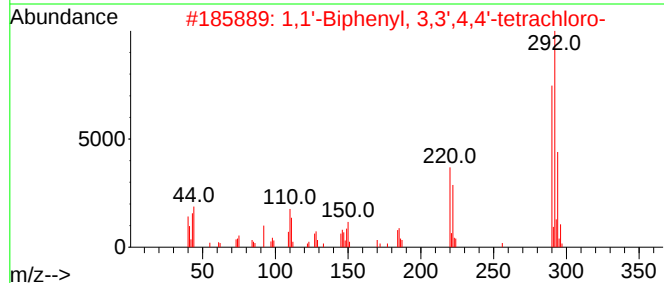
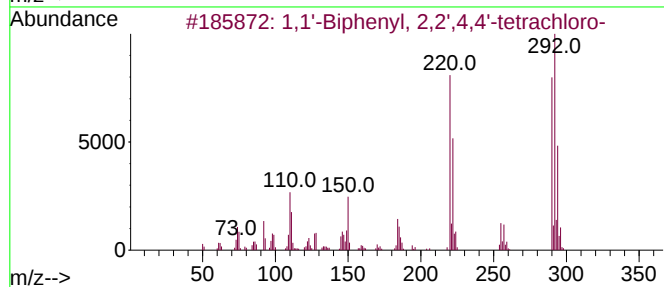
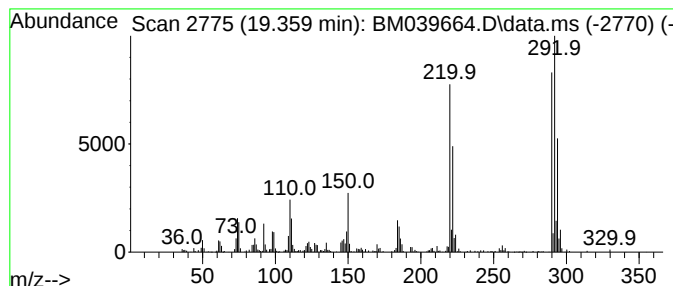
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Quant Title : SVOA CALIBRATION

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

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Peak Number 21 1,1'-Biphenyl, 3,3',4,4'-te... Concentration Rank 13

| R.T.      | EstConc                             | Area   | Relative to ISTD | R.T.        |      |
|-----------|-------------------------------------|--------|------------------|-------------|------|
| 19.360    | 5.96 ng/ul                          | 610095 | Chrysene-d12     | 21.412      |      |
| Hit# of 5 | Tentative ID                        | MW     | MolForm          | CAS#        | Qual |
| 1         | 1,1'-Biphenyl, 2,2',4,4'-tetrach... | 290    | C12H6Cl4         | 002437-79-8 | 99   |
| 2         | 1,1'-Biphenyl, 3,3',4,4'-tetrach... | 290    | C12H6Cl4         | 032598-13-3 | 99   |
| 3         | 1,1'-Biphenyl, 2,2',6,6'-tetrach... | 290    | C12H6Cl4         | 015968-05-5 | 99   |
| 4         | 1,1'-Biphenyl, 3,3',4,5'-tetrach... | 290    | C12H6Cl4         | 041464-48-6 | 99   |
| 5         | 1,1'-Biphenyl, 2,2',6,6'-tetrach... | 290    | C12H6Cl4         | 015968-05-5 | 99   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM042523\  
Data File : BM039664.D  
Acq On : 26 Apr 2023 05:54  
Operator : CG/JU  
Sample : 02419-28  
Misc :  
ALS Vial : 33 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
EW925

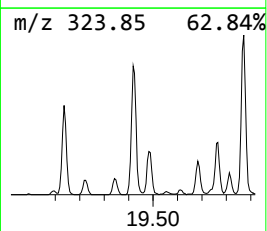
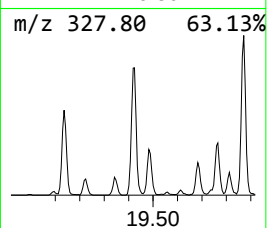
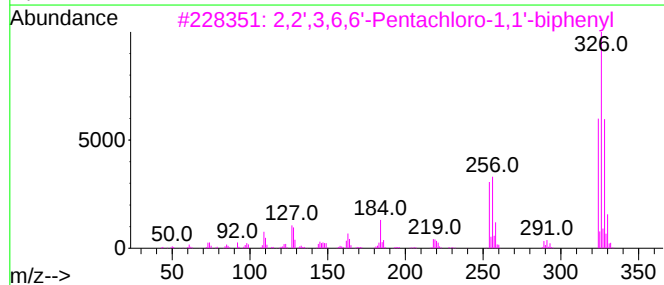
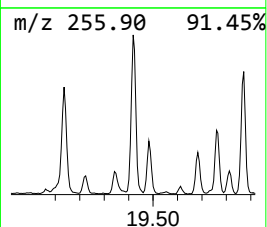
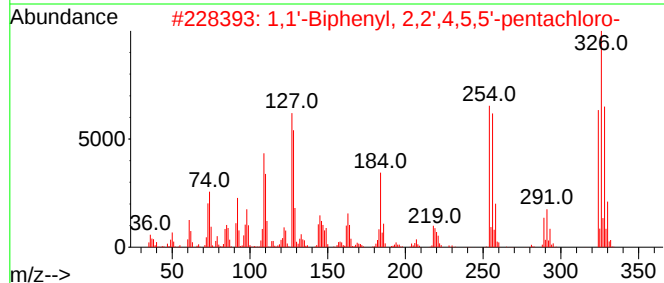
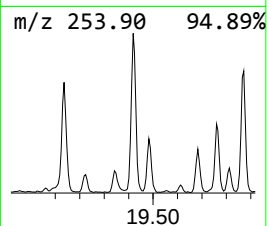
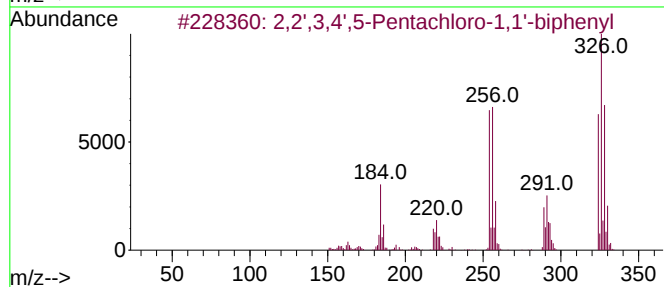
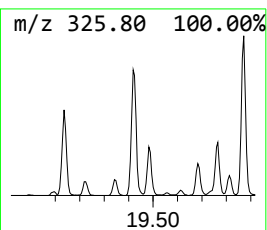
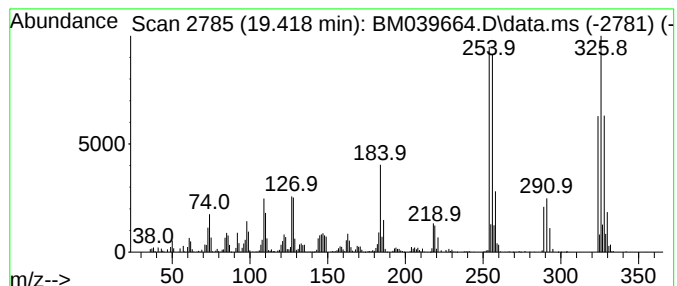
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Quant Title : SVOA CALIBRATION

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

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Peak Number 22 2,2',3,4',5-Pentachloro-1,1... Concentration Rank 6

| R.T.   | EstConc                             | Area         | Relative to ISTD | R.T.        |      |      |
|--------|-------------------------------------|--------------|------------------|-------------|------|------|
| 19.418 | 9.68 ng/ul                          | 990169       | Chrysene-d12     | 21.412      |      |      |
| Hit#   | of 5                                | Tentative ID | MW               | MolForm     | CAS# | Qual |
| 1      | 2,2',3,4',5-Pentachloro-1,1'-bip... | 324          | C12H5Cl5         | 068194-07-0 | 99   |      |
| 2      | 1,1'-Biphenyl, 2,2',4,5,5'-penta... | 324          | C12H5Cl5         | 037680-73-2 | 99   |      |
| 3      | 2,2',3,6,6'-Pentachloro-1,1'-bip... | 324          | C12H5Cl5         | 073575-54-9 | 98   |      |
| 4      | 2,3',4',5',6-Pentachloro-1,1'-bi... | 324          | C12H5Cl5         | 074472-39-2 | 98   |      |
| 5      | 2,3,3',4',5-Pentachloro-1,1'-bip... | 324          | C12H5Cl5         | 070424-68-9 | 98   |      |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM042523\  
Data File : BM039664.D  
Acq On : 26 Apr 2023 05:54  
Operator : CG/JU  
Sample : 02419-28  
Misc :  
ALS Vial : 33 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
EW925

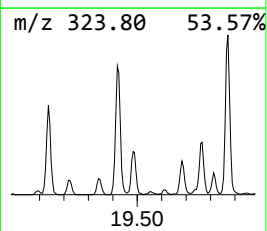
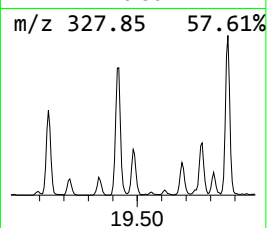
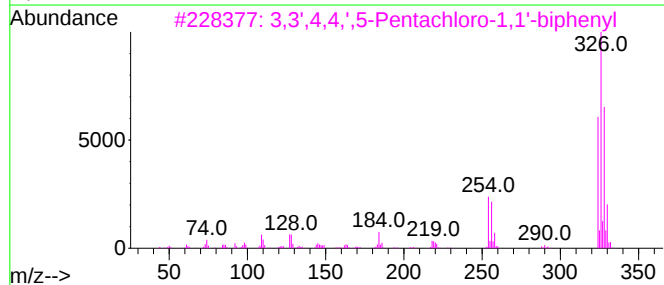
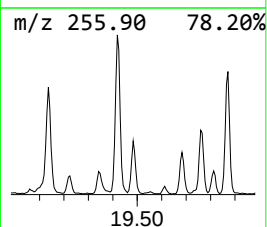
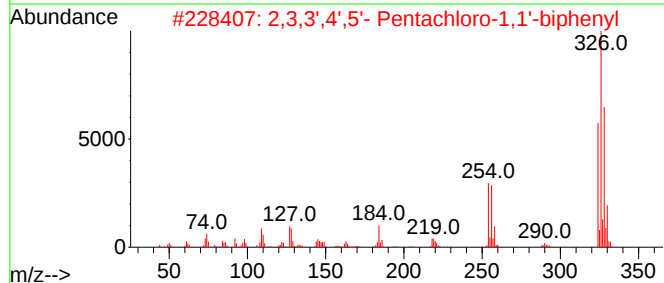
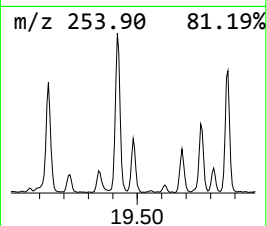
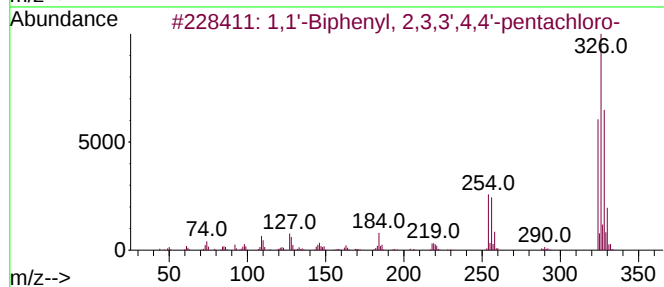
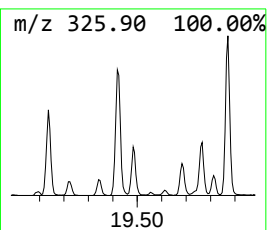
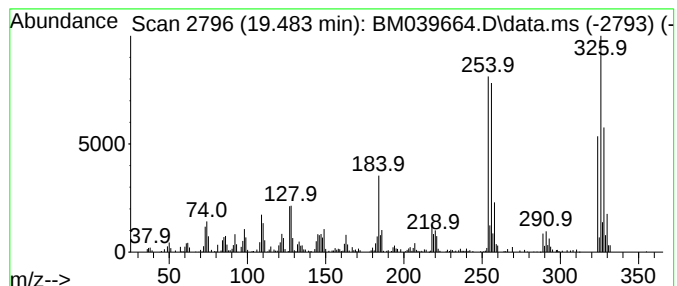
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Quant Title : SVOA CALIBRATION

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

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Peak Number 23 1,1'-Biphenyl, 2,3,3',4,4'-... Concentration Rank 29

| R.T.   | EstConc                             | Area         | Relative to ISTD | R.T.        |      |      |
|--------|-------------------------------------|--------------|------------------|-------------|------|------|
| 19.483 | 2.73 ng/ul                          | 279253       | Chrysene-d12     | 21.412      |      |      |
| Hit#   | of 5                                | Tentative ID | MW               | MolForm     | CAS# | Qual |
| 1      | 1,1'-Biphenyl, 2,3,3',4,4'-penta... | 324          | C12H5Cl5         | 032598-14-4 | 99   |      |
| 2      | 2,3,3',4',5'- Pentachloro-1,1'-b... | 324          | C12H5Cl5         | 076842-07-4 | 99   |      |
| 3      | 3,3',4,4',5-Pentachloro-1,1'-bi...  | 324          | C12H5Cl5         | 057465-28-8 | 99   |      |
| 4      | 1,1'-Biphenyl, 2,3,3',4',6-penta... | 324          | C12H5Cl5         | 038380-03-9 | 99   |      |
| 5      | 2,3,3',4,5-Pentachloro-1,1'-biph... | 324          | C12H5Cl5         | 070424-69-0 | 99   |      |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM042523\  
Data File : BM039664.D  
Acq On : 26 Apr 2023 05:54  
Operator : CG/JU  
Sample : 02419-28  
Misc :  
ALS Vial : 33 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
EW925

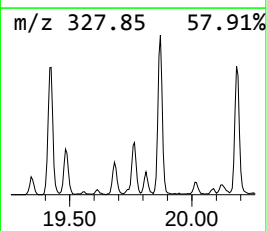
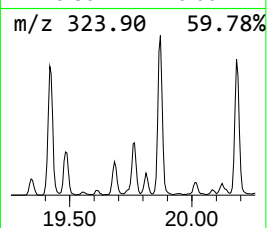
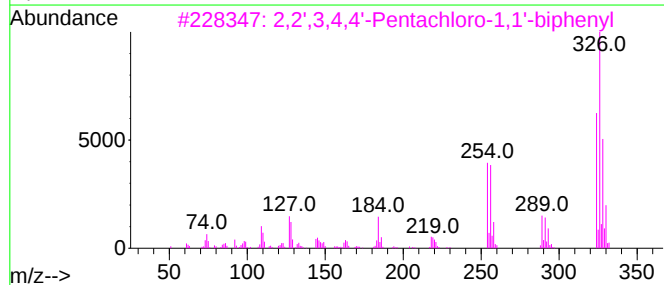
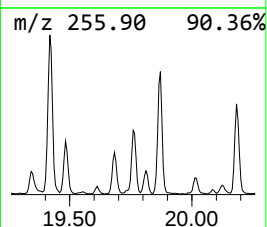
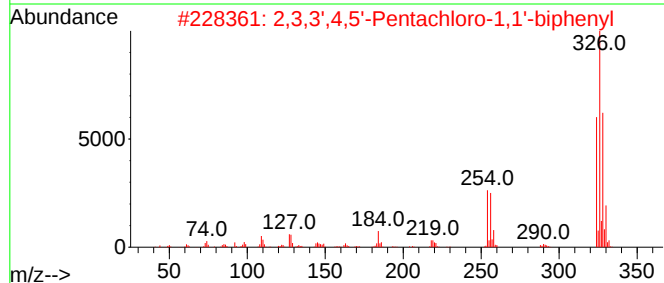
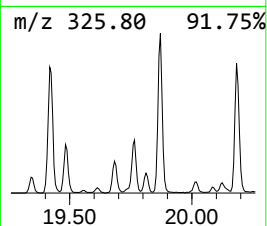
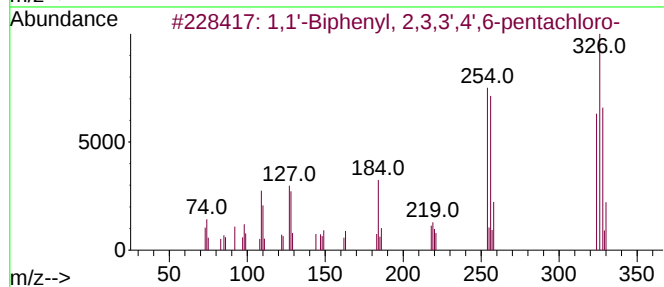
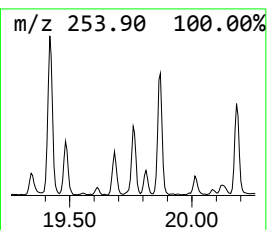
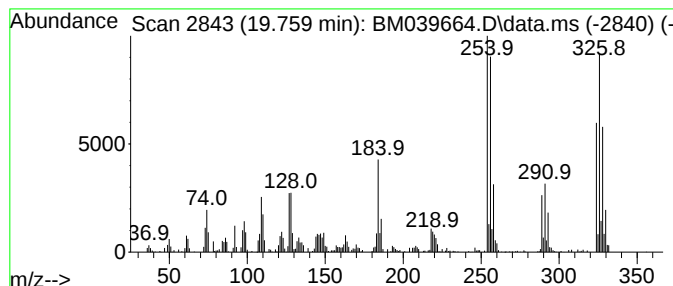
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Quant Title : SVOA CALIBRATION

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

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Peak Number 24 1,1'-Biphenyl, 2,3,3',4',6-... Concentration Rank 26

| R.T.   | EstConc                             | Area         | Relative to ISTD | R.T.        |      |      |
|--------|-------------------------------------|--------------|------------------|-------------|------|------|
| 19.759 | 2.96 ng/ul                          | 302749       | Chrysene-d12     | 21.412      |      |      |
| Hit#   | of 5                                | Tentative ID | MW               | MolForm     | CAS# | Qual |
| 1      | 1,1'-Biphenyl, 2,3,3',4',6-penta... | 324          | C12H5Cl5         | 038380-03-9 | 99   |      |
| 2      | 2,3,3',4,5'-Pentachloro-1,1'-bip... | 324          | C12H5Cl5         | 070362-41-3 | 99   |      |
| 3      | 2,2',3,4,4'-Pentachloro-1,1'-bip... | 324          | C12H5Cl5         | 065510-45-4 | 99   |      |
| 4      | 1,1'-Biphenyl, 2,2',4,5',6-Penta... | 324          | C12H5Cl5         | 060145-21-3 | 99   |      |
| 5      | 1,1'-Biphenyl, 2,2',4,6,6'-Penta... | 324          | C12H5Cl5         | 056558-16-8 | 99   |      |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM042523\  
Data File : BM039664.D  
Acq On : 26 Apr 2023 05:54  
Operator : CG/JU  
Sample : 02419-28  
Misc :  
ALS Vial : 33 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
EW925

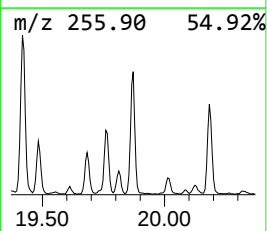
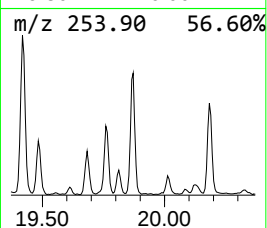
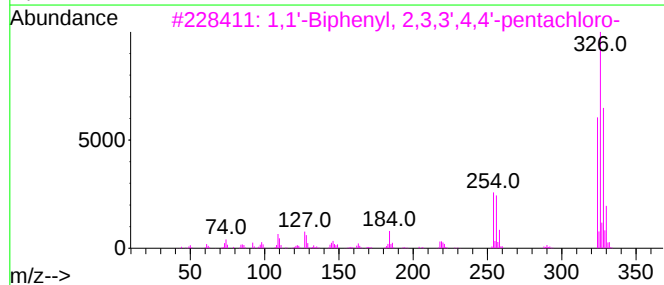
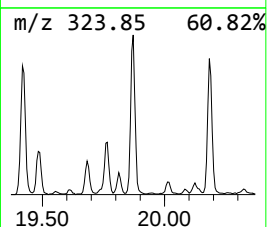
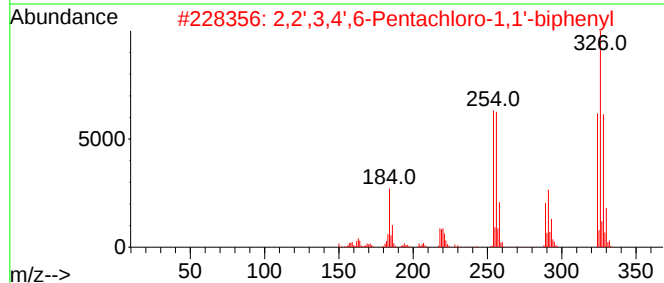
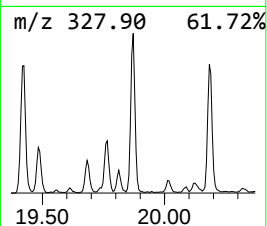
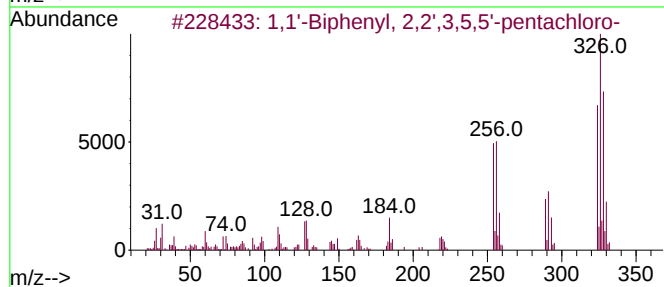
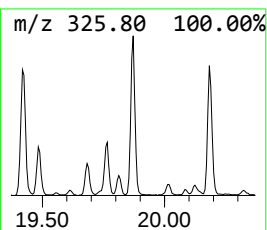
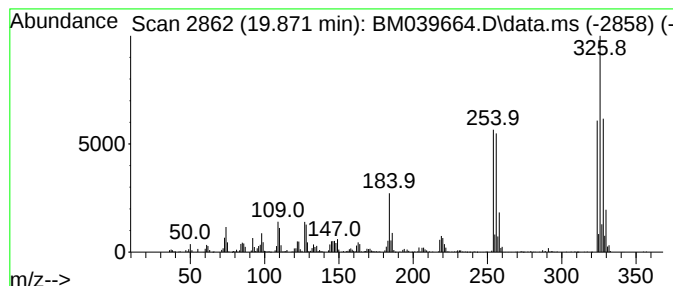
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Quant Title : SVOA CALIBRATION

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

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Peak Number 25 1,1'-Biphenyl, 2,2',3,5,5'-... Concentration Rank 9

| R.T.   | EstConc                             | Area         | Relative to ISTD | R.T.        |      |      |
|--------|-------------------------------------|--------------|------------------|-------------|------|------|
| 19.871 | 7.56 ng/ul                          | 773077       | Chrysene-d12     | 21.412      |      |      |
| Hit#   | of 5                                | Tentative ID | MW               | MolForm     | CAS# | Qual |
| 1      | 1,1'-Biphenyl, 2,2',3,5,5'-penta... | 324          | C12H5Cl5         | 052663-61-3 | 99   |      |
| 2      | 2,2',3,4',6-Pentachloro-1,1'-bip... | 324          | C12H5Cl5         | 068194-05-8 | 99   |      |
| 3      | 1,1'-Biphenyl, 2,3,3',4,4'-penta... | 324          | C12H5Cl5         | 032598-14-4 | 99   |      |
| 4      | 3,3',4,5,5'-Pentachloro-1,1'-bip... | 324          | C12H5Cl5         | 039635-33-1 | 99   |      |
| 5      | 2,3,3',4,5'-Pentachloro-1,1'-bip... | 324          | C12H5Cl5         | 070362-41-3 | 99   |      |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM042523\  
Data File : BM039664.D  
Acq On : 26 Apr 2023 05:54  
Operator : CG/JU  
Sample : 02419-28  
Misc :  
ALS Vial : 33 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
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Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\SFAM-EPA-BM041823.MA.M  
Quant Title : SVOA CALIBRATION

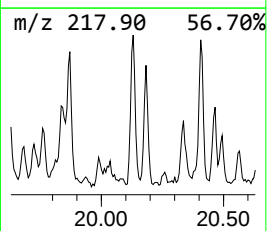
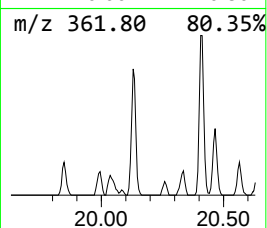
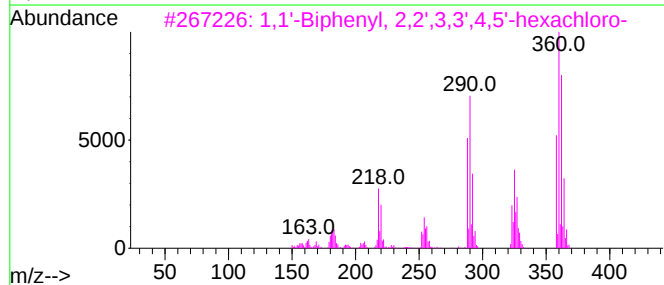
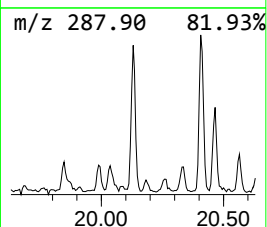
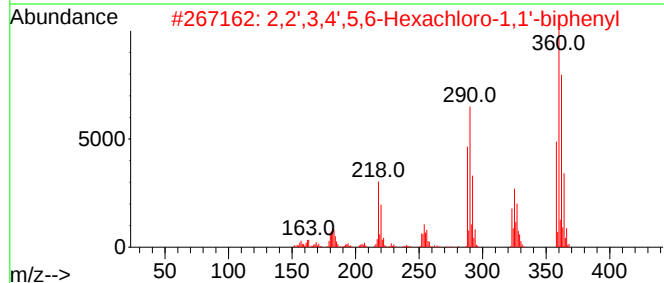
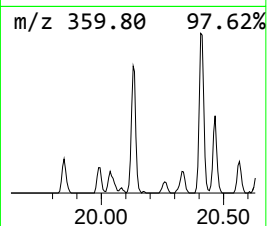
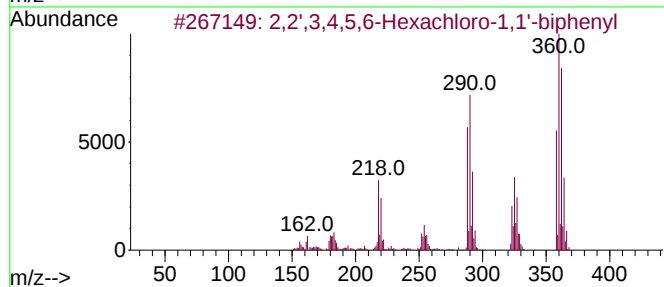
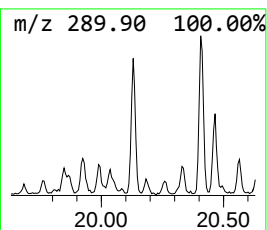
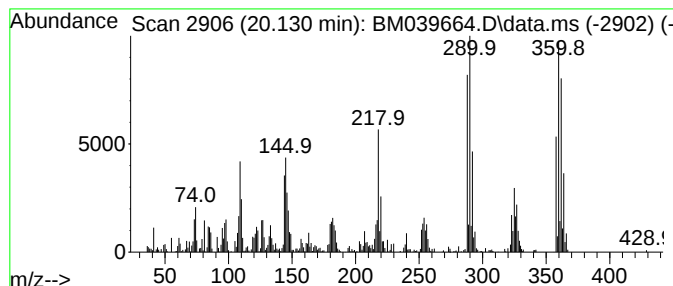
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TIC Integration Parameters: LSCINT.P

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Peak Number 26 2,2',3,4,5,6-Hexachloro-1,1... Concentration Rank 17

| R.T.   | EstConc    | Area   | Relative to ISTD | R.T.   |
|--------|------------|--------|------------------|--------|
| 20.130 | 4.69 ng/ul | 479246 | Chrysene-d12     | 21.412 |

| Hit# | of                                  | 5   | Tentative ID | MW          | MolForm | CAS# | Qual |
|------|-------------------------------------|-----|--------------|-------------|---------|------|------|
| 1    | 2,2',3,4,5,6-Hexachloro-1,1'-bip... | 358 | C12H4Cl6     | 041411-61-4 | 99      |      |      |
| 2    | 2,2',3,4',5,6-Hexachloro-1,1'-bi... | 358 | C12H4Cl6     | 068194-13-8 | 99      |      |      |
| 3    | 1,1'-Biphenyl, 2,2',3,3',4,5'-he... | 358 | C12H4Cl6     | 052663-66-8 | 99      |      |      |
| 4    | 1,1'-Biphenyl, 2,3,3',4,4',5-hex... | 358 | C12H4Cl6     | 038380-08-4 | 99      |      |      |
| 5    | 2,2',3,4',5,6'-Hexachloro-1,1'-b... | 358 | C12H4Cl6     | 074472-41-6 | 99      |      |      |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM042523\  
Data File : BM039664.D  
Acq On : 26 Apr 2023 05:54  
Operator : CG/JU  
Sample : 02419-28  
Misc :  
ALS Vial : 33 Sample Multiplier: 1

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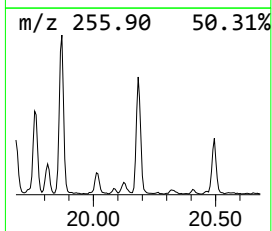
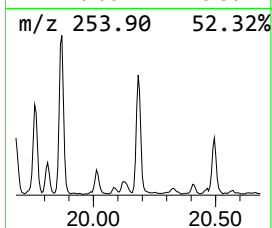
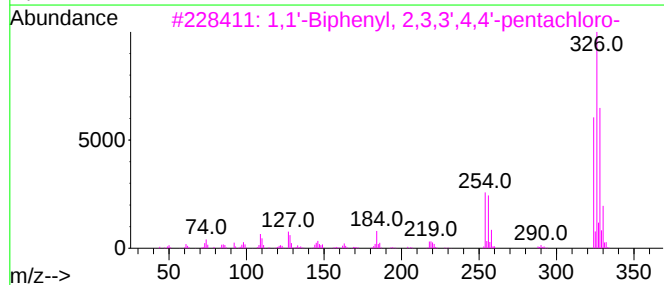
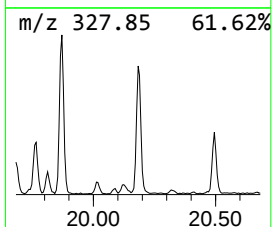
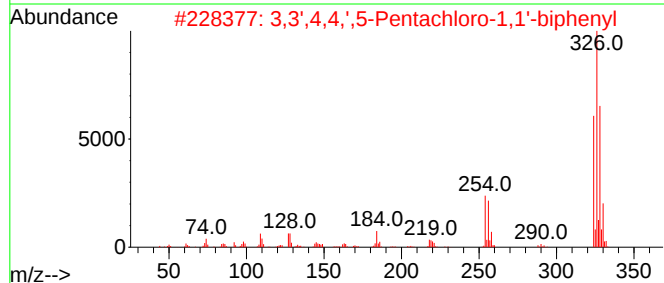
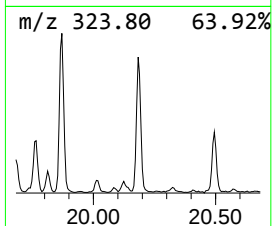
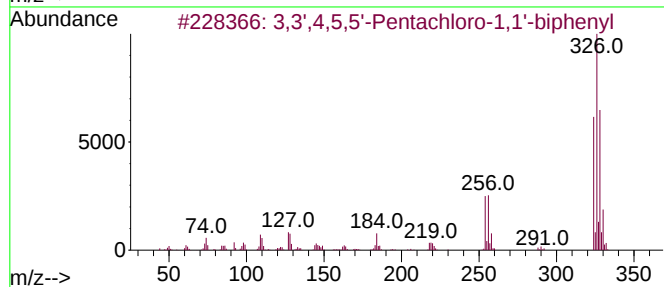
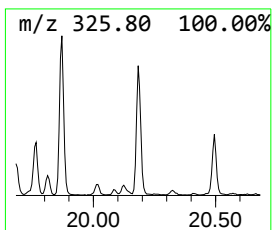
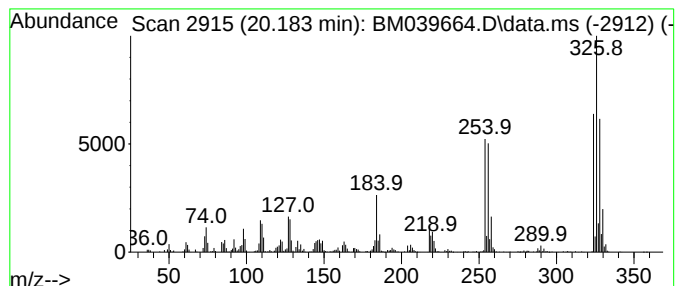
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Quant Title : SVOA CALIBRATION

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

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Peak Number 27 3,3',4,5,5'-Pentachloro-1,1... Concentration Rank 12

| R.T.      | EstConc                             | Area   | Relative to ISTD | R.T.        |      |
|-----------|-------------------------------------|--------|------------------|-------------|------|
| 20.183    | 6.15 ng/ul                          | 629429 | Chrysene-d12     | 21.412      |      |
| Hit# of 5 | Tentative ID                        | MW     | MolForm          | CAS#        | Qual |
| 1         | 3,3',4,5,5'-Pentachloro-1,1'-bip... | 324    | C12H5Cl5         | 039635-33-1 | 99   |
| 2         | 3,3',4,4',5-Pentachloro-1,1'-bi...  | 324    | C12H5Cl5         | 057465-28-8 | 99   |
| 3         | 1,1'-Biphenyl, 2,3,3',4,4'-penta... | 324    | C12H5Cl5         | 032598-14-4 | 99   |
| 4         | 1,1'-Biphenyl, 2,3',4,4',5-penta... | 324    | C12H5Cl5         | 031508-00-6 | 99   |
| 5         | 1,1'-Biphenyl, 2,2',4,4',6-Penta... | 324    | C12H5Cl5         | 039485-83-1 | 99   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM042523\  
Data File : BM039664.D  
Acq On : 26 Apr 2023 05:54  
Operator : CG/JU  
Sample : 02419-28  
Misc :  
ALS Vial : 33 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
EW925

Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\SFAM-EPA-BM041823.MA.M  
Quant Title : SVOA CALIBRATION

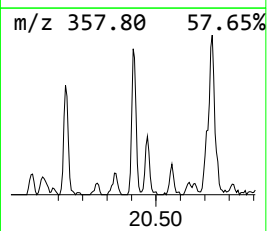
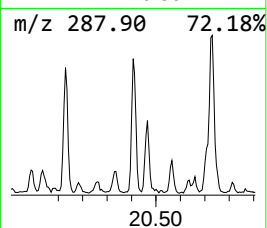
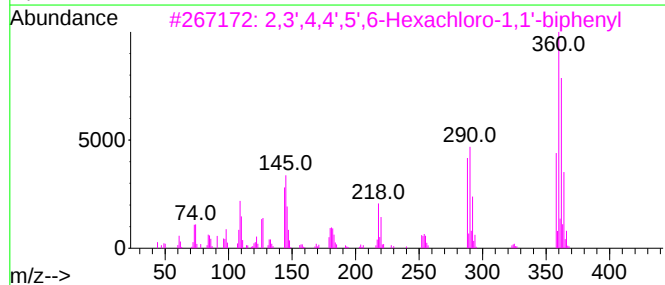
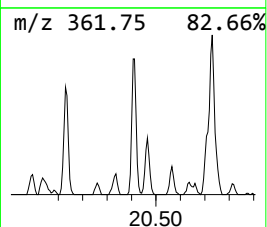
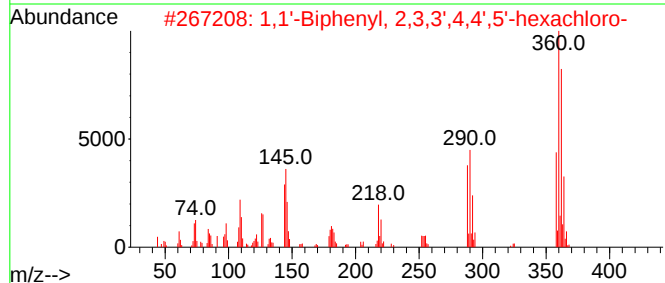
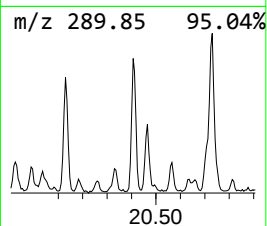
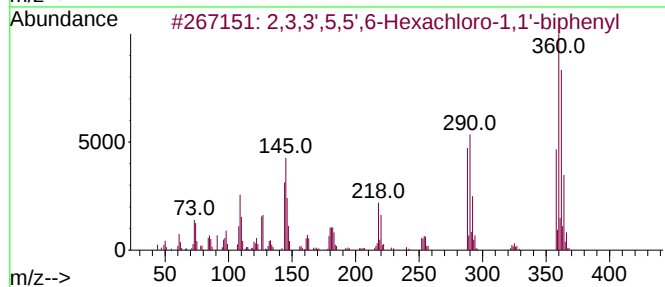
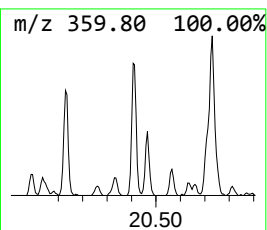
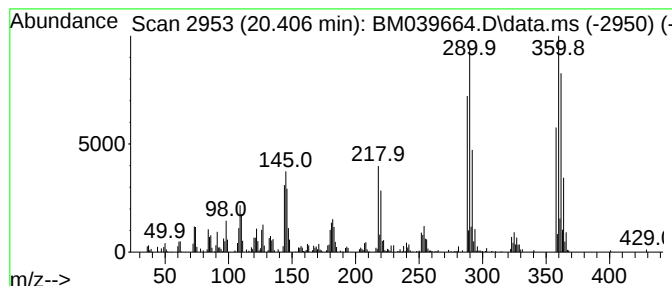
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TIC Integration Parameters: LSCINT.P

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Peak Number 28 2,3,3',5,5',6-Hexachloro-1,... Concentration Rank 25

| R.T.   | EstConc    | Area   | Relative to ISTD | R.T.   |
|--------|------------|--------|------------------|--------|
| 20.407 | 3.02 ng/ul | 308730 | Chrysene-d12     | 21.412 |

| Hit# | of 5                                | Tentative ID | MW       | MolForm     | CAS# | Qual |
|------|-------------------------------------|--------------|----------|-------------|------|------|
| 1    | 2,3,3',5,5',6-Hexachloro-1,1'-bi... | 358          | C12H4Cl6 | 074472-46-1 | 99   |      |
| 2    | 1,1'-Biphenyl, 2,3,3',4,4',5'-he... | 358          | C12H4Cl6 | 069782-90-7 | 99   |      |
| 3    | 2,3',4,4',5',6-Hexachloro-1,1'-b... | 358          | C12H4Cl6 | 059291-65-5 | 99   |      |
| 4    | 2,2',3,4',6,6'-Hexachloro-1,1'-b... | 358          | C12H4Cl6 | 068194-08-1 | 99   |      |
| 5    | 1,1'-Biphenyl, 2,3,3',4,4',5-hex... | 358          | C12H4Cl6 | 038380-08-4 | 99   |      |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM042523\  
Data File : BM039664.D  
Acq On : 26 Apr 2023 05:54  
Operator : CG/JU  
Sample : 02419-28  
Misc :  
ALS Vial : 33 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
EW925

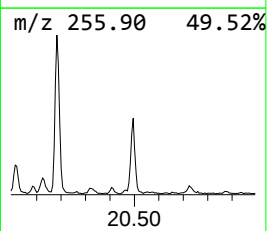
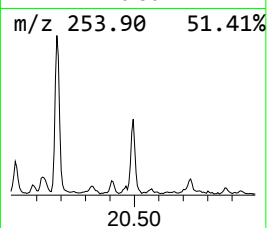
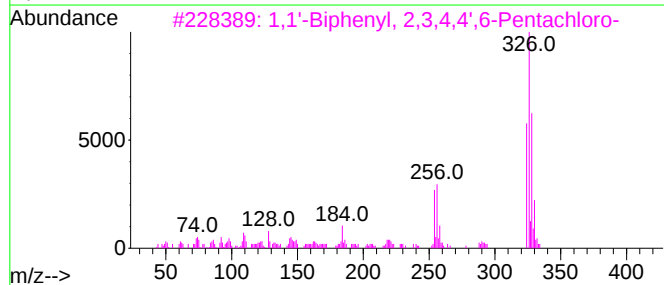
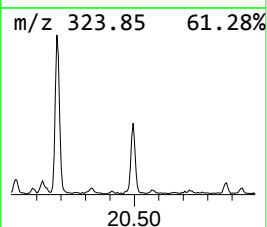
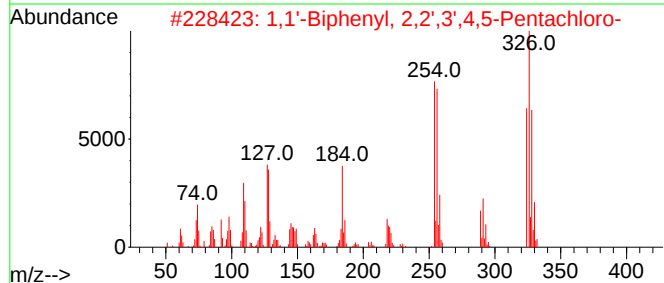
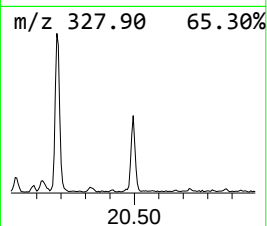
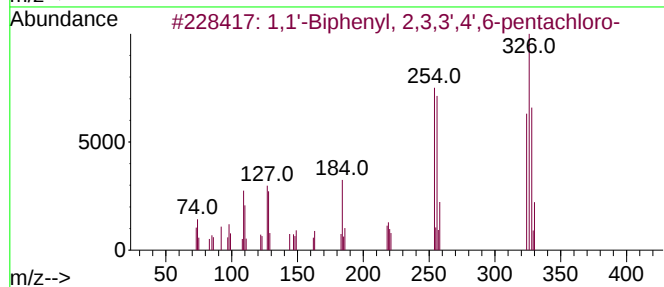
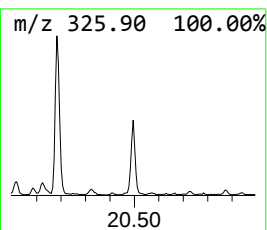
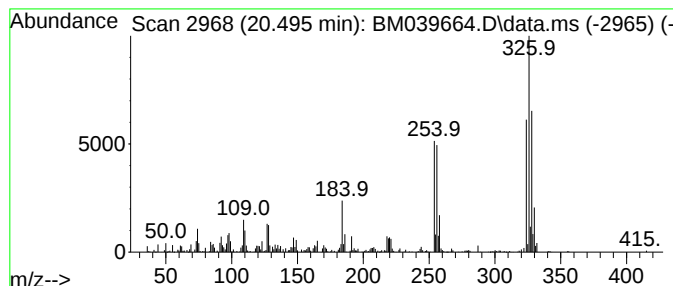
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Quant Title : SVOA CALIBRATION

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

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Peak Number 29 1,1'-Biphenyl, 2,2',3',4,5-... Concentration Rank 32

| R.T.      | EstConc                             | Area   | Relative to ISTD | R.T.        |      |
|-----------|-------------------------------------|--------|------------------|-------------|------|
| 20.495    | 2.35 ng/ul                          | 240658 | Chrysene-d12     | 21.412      |      |
| Hit# of 5 | Tentative ID                        | MW     | MolForm          | CAS#        | Qual |
| 1         | 1,1'-Biphenyl, 2,3,3',4',6-penta... | 324    | C12H5Cl5         | 038380-03-9 | 99   |
| 2         | 1,1'-Biphenyl, 2,2',3',4,5-Penta... | 324    | C12H5Cl5         | 041464-51-1 | 98   |
| 3         | 1,1'-Biphenyl, 2,3,4,4',6-Pentac... | 324    | C12H5Cl5         | 074472-38-1 | 97   |
| 4         | 1,1'-Biphenyl, 2,2',4,4',5-penta... | 324    | C12H5Cl5         | 038380-01-7 | 97   |
| 5         | 1,1'-Biphenyl, 2,2',4,4',6-Penta... | 324    | C12H5Cl5         | 039485-83-1 | 97   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM042523\  
Data File : BM039664.D  
Acq On : 26 Apr 2023 05:54  
Operator : CG/JU  
Sample : 02419-28  
Misc :  
ALS Vial : 33 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
EW925

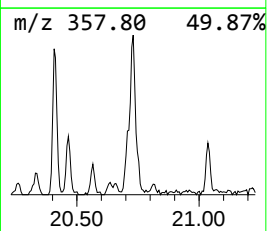
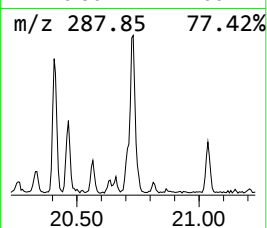
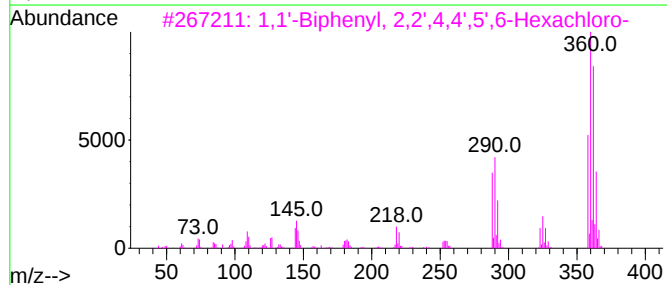
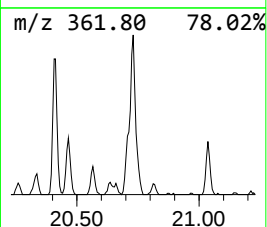
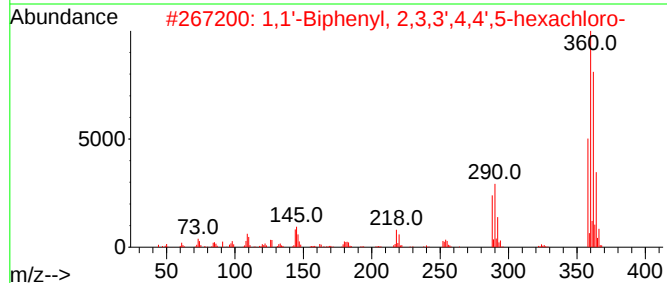
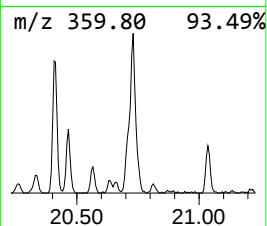
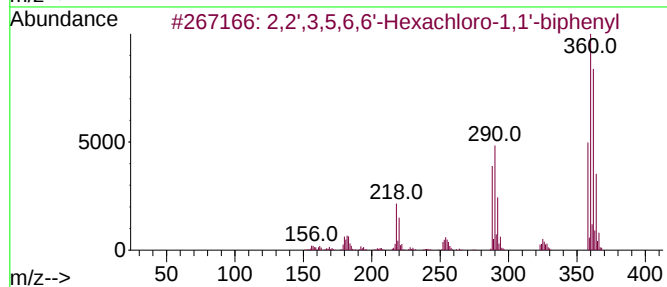
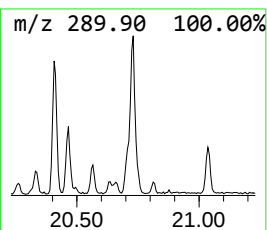
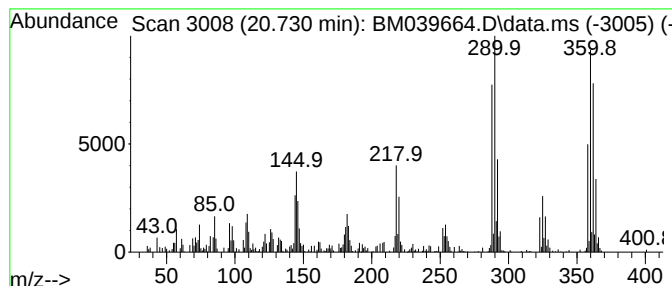
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Quant Title : SVOA CALIBRATION

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

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Peak Number 30 2,2',3,5,6,6'-Hexachloro-1,... Concentration Rank 19

| R.T.      | EstConc                             | Area   | Relative to ISTD | R.T.        |      |
|-----------|-------------------------------------|--------|------------------|-------------|------|
| 20.730    | 4.39 ng/ul                          | 448946 | Chrysene-d12     | 21.412      |      |
| Hit# of 5 | Tentative ID                        | MW     | MolForm          | CAS#        | Qual |
| 1         | 2,2',3,5,6,6'-Hexachloro-1,1'-bi... | 358    | C12H4Cl6         | 068194-09-2 | 99   |
| 2         | 1,1'-Biphenyl, 2,3,3',4,4',5-hex... | 358    | C12H4Cl6         | 038380-08-4 | 99   |
| 3         | 1,1'-Biphenyl, 2,2',4,4',5',6-He... | 358    | C12H4Cl6         | 060145-22-4 | 99   |
| 4         | 1,1'-Biphenyl, 3,3',4,4',5,5'-he... | 358    | C12H4Cl6         | 032774-16-6 | 99   |
| 5         | 1,1'-Biphenyl, 2,2',3,4,4',6-Hex... | 358    | C12H4Cl6         | 056030-56-9 | 99   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM042523\  
Data File : BM039664.D  
Acq On : 26 Apr 2023 05:54  
Operator : CG/JU  
Sample : 02419-28  
Misc :  
ALS Vial : 33 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
EW925

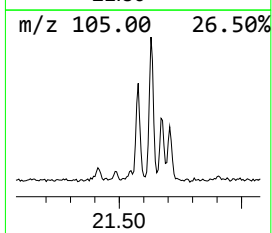
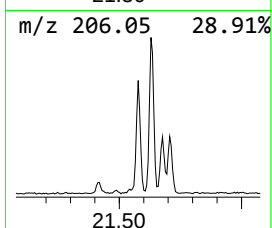
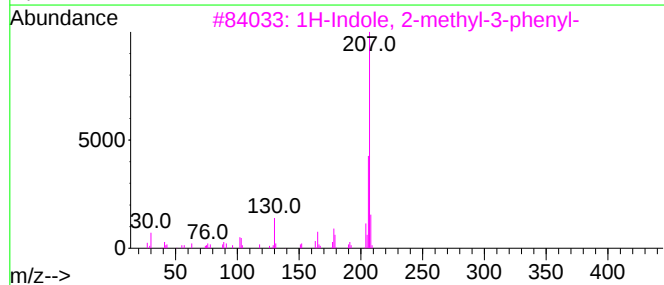
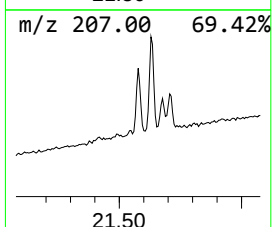
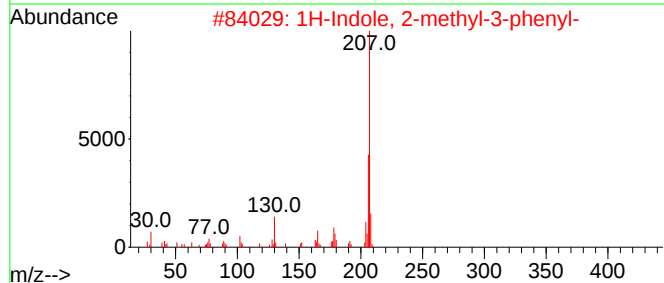
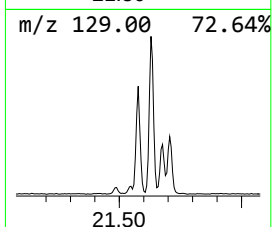
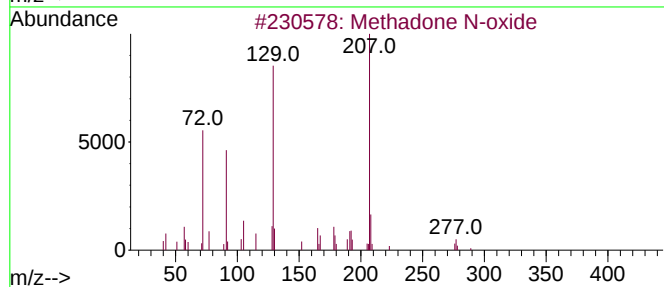
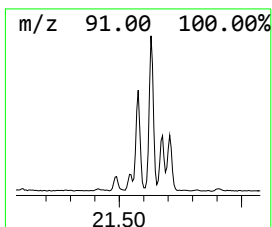
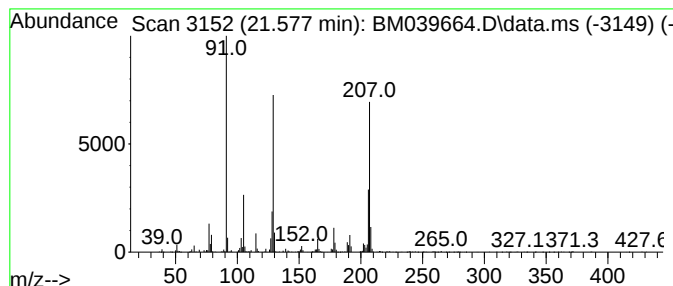
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Quant Title : SVOA CALIBRATION

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

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Peak Number 31 Methadone N-oxide Concentration Rank 10

| R.T.   | EstConc    | Area   | Relative to ISTD | R.T.   |
|--------|------------|--------|------------------|--------|
| 21.577 | 6.39 ng/ul | 653174 | Chrysene-d12     | 21.412 |

| Hit# | of | 5 | Tentative ID                  | MW  | MolForm   | CAS#         | Qual |
|------|----|---|-------------------------------|-----|-----------|--------------|------|
| 1    |    |   | Methadone N-oxide             | 325 | C21H27NO2 | 1000120-80-7 | 52   |
| 2    |    |   | 1H-Indole, 2-methyl-3-phenyl- | 207 | C15H13N   | 004757-69-1  | 50   |
| 3    |    |   | 1H-Indole, 2-methyl-3-phenyl- | 207 | C15H13N   | 004757-69-1  | 45   |
| 4    |    |   | 1H-Indole, 1-methyl-2-phenyl- | 207 | C15H13N   | 003558-24-5  | 42   |
| 5    |    |   | 2-(4-Methylphenyl)-1H-indole  | 207 | C15H13N   | 055577-25-8  | 42   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM042523\  
Data File : BM039664.D  
Acq On : 26 Apr 2023 05:54  
Operator : CG/JU  
Sample : 02419-28  
Misc :  
ALS Vial : 33 Sample Multiplier: 1

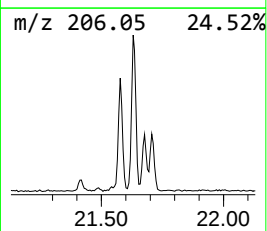
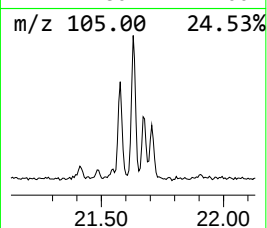
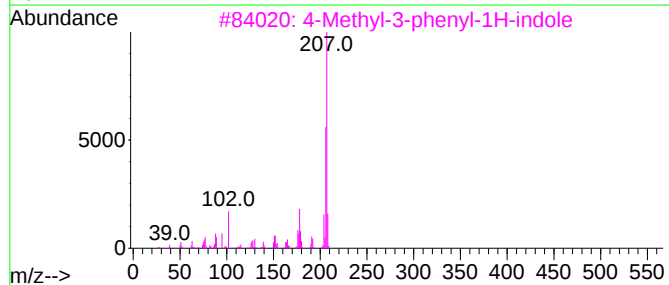
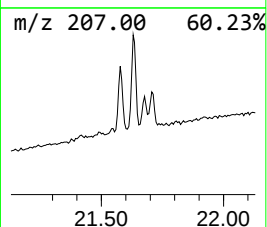
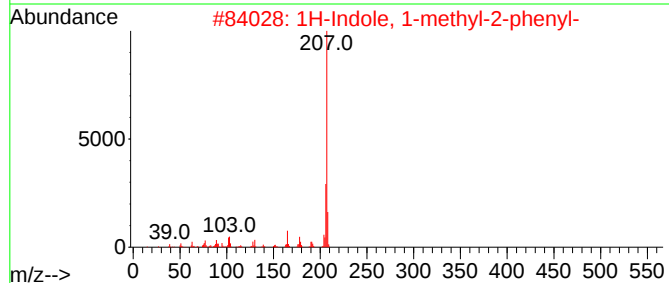
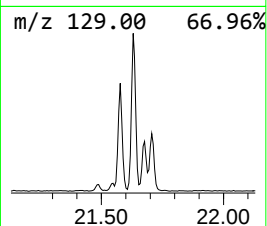
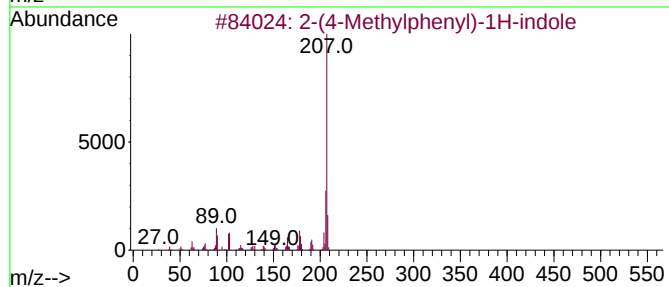
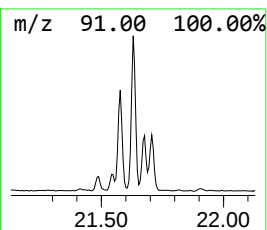
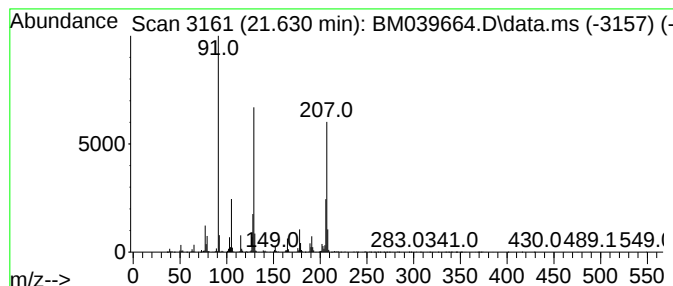
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Quant Title : SVOA CALIBRATION

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

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Peak Number 32 unknown-01 Concentration Rank 5

| R.T.   | EstConc                       | Area         | Relative to ISTD |             |      | R.T.   |
|--------|-------------------------------|--------------|------------------|-------------|------|--------|
| 21.630 | 10.36 ng/ul                   | 1059710      | Chrysene-d12     |             |      | 21.412 |
| Hit#   | of 5                          | Tentative ID | MW               | MolForm     | CAS# | Qual   |
| 1      | 2-(4-Methylphenyl)-1H-indole  | 207          | C15H13N          | 055577-25-8 | 42   |        |
| 2      | 1H-Indole, 1-methyl-2-phenyl- | 207          | C15H13N          | 003558-24-5 | 38   |        |
| 3      | 4-Methyl-3-phenyl-1H-indole   | 207          | C15H13N          | 180271-54-9 | 38   |        |
| 4      | 1H-Indole, 1-methyl-2-phenyl- | 207          | C15H13N          | 003558-24-5 | 30   |        |
| 5      | 1H-Indole, 2-methyl-3-phenyl- | 207          | C15H13N          | 004757-69-1 | 30   |        |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM042523\  
Data File : BM039664.D  
Acq On : 26 Apr 2023 05:54  
Operator : CG/JU  
Sample : 02419-28  
Misc :  
ALS Vial : 33 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
EW925

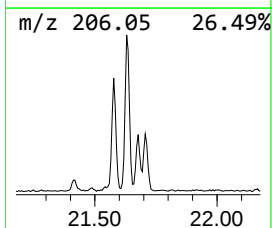
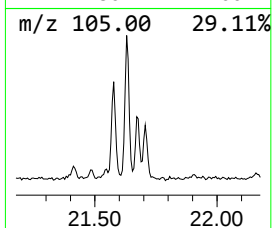
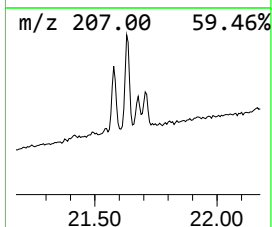
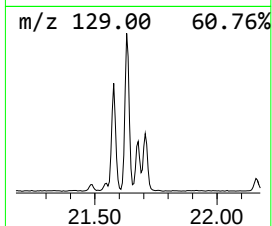
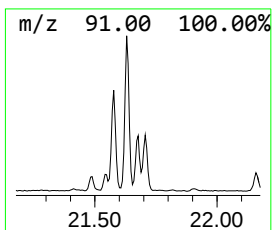
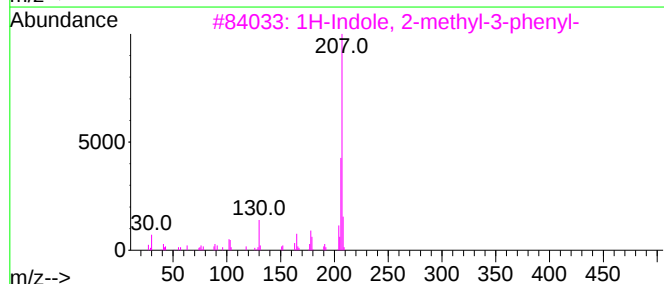
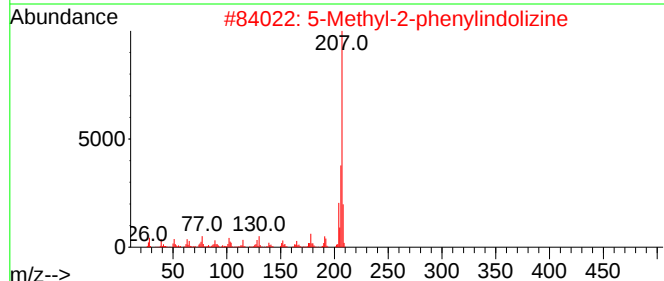
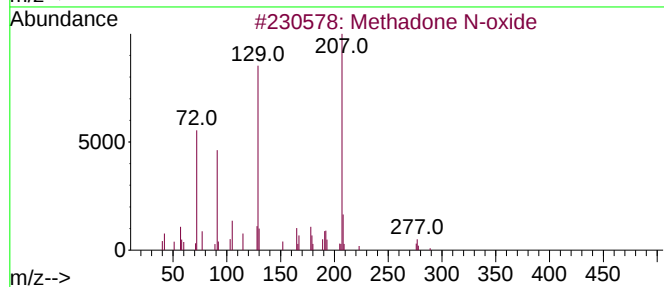
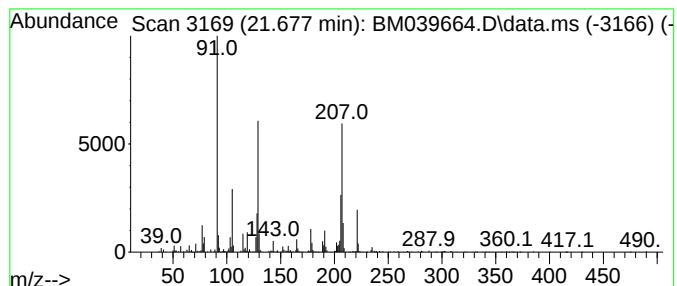
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Quant Title : SVOA CALIBRATION

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

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Peak Number 33 unknown-02 Concentration Rank 20

| R.T.   | EstConc    | Area   | Relative to ISTD | R.T.   |
|--------|------------|--------|------------------|--------|
| 21.677 | 4.33 ng/ul | 443411 | Chrysene-d12     | 21.412 |

| Hit# | of | 5 | Tentative ID                  | MW  | MolForm   | CAS#         | Qual |
|------|----|---|-------------------------------|-----|-----------|--------------|------|
| 1    |    |   | Methadone N-oxide             | 325 | C21H27NO2 | 1000120-80-7 | 50   |
| 2    |    |   | 5-Methyl-2-phenylindolizine   | 207 | C15H13N   | 036944-99-7  | 43   |
| 3    |    |   | 1H-Indole, 2-methyl-3-phenyl- | 207 | C15H13N   | 004757-69-1  | 41   |
| 4    |    |   | 1H-Indole, 2-methyl-3-phenyl- | 207 | C15H13N   | 004757-69-1  | 38   |
| 5    |    |   | 1H-Indole, 5-methyl-2-phenyl- | 207 | C15H13N   | 013228-36-9  | 38   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM042523\  
Data File : BM039664.D  
Acq On : 26 Apr 2023 05:54  
Operator : CG/JU  
Sample : 02419-28  
Misc :  
ALS Vial : 33 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
EW925

Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\SFAM-EPA-BM041823.MA.M  
Quant Title : SVOA CALIBRATION

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

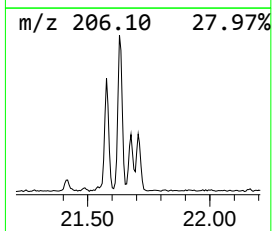
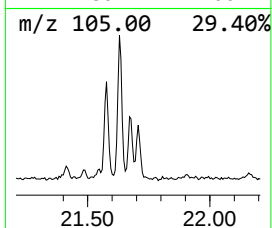
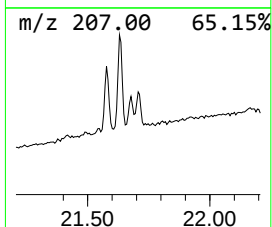
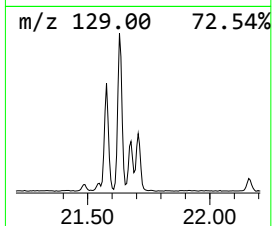
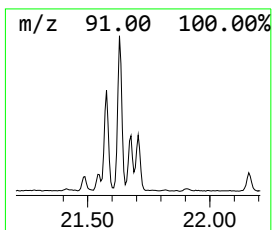
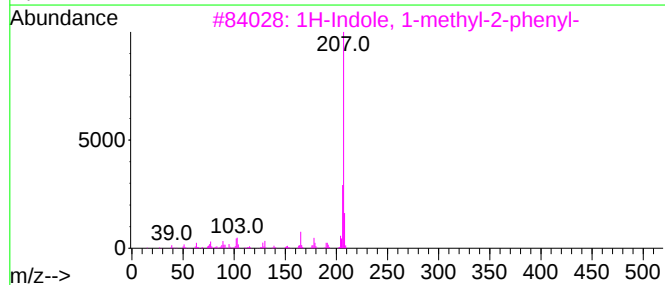
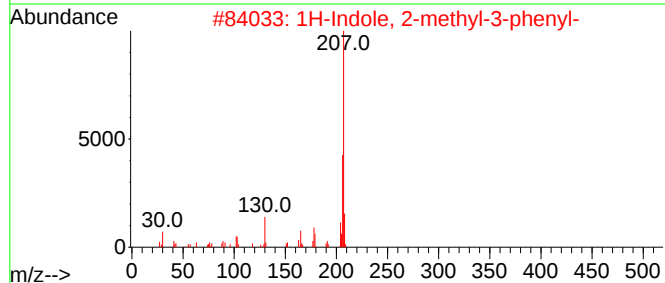
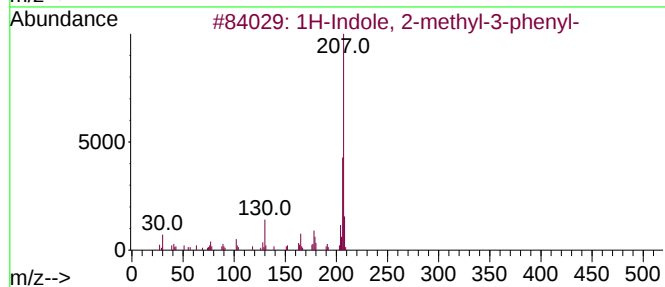
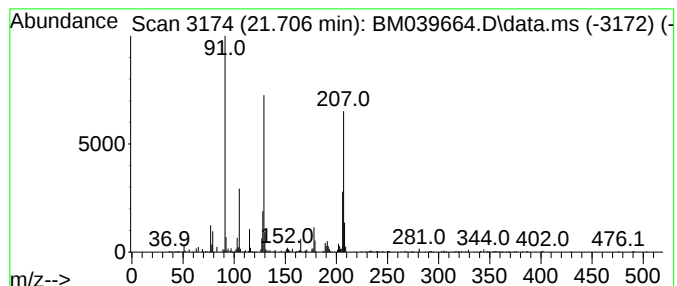
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Peak Number 34 unknown-03

Concentration Rank 22

| R.T.   | EstConc    | Area   | Relative to ISTD | R.T.   |
|--------|------------|--------|------------------|--------|
| 21.706 | 3.64 ng/ul | 372487 | Chrysene-d12     | 21.412 |

| Hit# | of 5 | Tentative ID                  | MW  | MolForm | CAS#         | Qual |
|------|------|-------------------------------|-----|---------|--------------|------|
| 1    |      | 1H-Indole, 2-methyl-3-phenyl- | 207 | C15H13N | 004757-69-1  | 45   |
| 2    |      | 1H-Indole, 2-methyl-3-phenyl- | 207 | C15H13N | 004757-69-1  | 45   |
| 3    |      | 1H-Indole, 1-methyl-2-phenyl- | 207 | C15H13N | 003558-24-5  | 42   |
| 4    |      | 1H-Indole, 1-methyl-2-phenyl- | 207 | C15H13N | 003558-24-5  | 30   |
| 5    |      | 1-benzylindole                | 207 | C15H13N | 1000334-31-3 | 30   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM042523\  
 Data File : BM039664.D  
 Acq On : 26 Apr 2023 05:54  
 Operator : CG/JU  
 Sample : 02419-28  
 Misc :  
 ALS Vial : 33 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 EW925

Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\SFAM-EPA-BM041823.MA.M  
 Quant Title : SVOA CALIBRATION

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

| TIC Top Hit name   | RT     | EstConc | Units | Response | --Internal Standard-- |        |         |      |
|--------------------|--------|---------|-------|----------|-----------------------|--------|---------|------|
|                    |        |         |       |          | #                     | RT     | Resp    | Conc |
| (DEL) Alkane: S... | 3.125  | 21.0    | ng/ul | 1377350  | 1                     | 7.807  | 1312800 | 20.0 |
| (DEL) Alkane: S... | 16.189 | 2.3     | ng/ul | 264030   | 4                     | 17.218 | 2321340 | 20.0 |
| Benzene, 1,1'-(... | 16.819 | 2.9     | ng/ul | 331627   | 4                     | 17.218 | 2321340 | 20.0 |
| 1,1'-Biphenyl, ... | 17.089 | 2.7     | ng/ul | 313356   | 4                     | 17.218 | 2321340 | 20.0 |
| 1,1'-Biphenyl, ... | 17.389 | 5.3     | ng/ul | 619861   | 4                     | 17.218 | 2321340 | 20.0 |
| 1,1'-Biphenyl, ... | 17.818 | 25.4    | ng/ul | 2944180  | 4                     | 17.218 | 2321340 | 20.0 |
| 1,1'-Biphenyl, ... | 17.942 | 3.8     | ng/ul | 444096   | 4                     | 17.218 | 2321340 | 20.0 |
| 1,1'-Biphenyl, ... | 18.071 | 4.4     | ng/ul | 514578   | 4                     | 17.218 | 2321340 | 20.0 |
| 1,1'-Biphenyl, ... | 18.289 | 10.4    | ng/ul | 1204130  | 4                     | 17.218 | 2321340 | 20.0 |
| 1,1'-Biphenyl, ... | 18.348 | 6.2     | ng/ul | 716935   | 4                     | 17.218 | 2321340 | 20.0 |
| 1,1'-Biphenyl, ... | 18.389 | 3.5     | ng/ul | 402639   | 4                     | 17.218 | 2321340 | 20.0 |
| 1,1'-Biphenyl, ... | 18.571 | 8.9     | ng/ul | 1031540  | 4                     | 17.218 | 2321340 | 20.0 |
| 1,1'-Biphenyl, ... | 18.618 | 2.5     | ng/ul | 294032   | 4                     | 17.218 | 2321340 | 20.0 |
| 1,1'-Biphenyl, ... | 18.683 | 3.5     | ng/ul | 406400   | 4                     | 17.218 | 2321340 | 20.0 |
| 2,3,3',6-Tetrac... | 18.748 | 5.2     | ng/ul | 601124   | 4                     | 17.218 | 2321340 | 20.0 |
| 2,3',4,5-Tetrac... | 19.060 | 3.0     | ng/ul | 342395   | 4                     | 17.218 | 2321340 | 20.0 |
| 1,1'-Biphenyl, ... | 19.112 | 7.9     | ng/ul | 921415   | 4                     | 17.218 | 2321340 | 20.0 |
| 2,2',3,6-Tetrac... | 19.148 | 10.8    | ng/ul | 1247450  | 4                     | 17.218 | 2321340 | 20.0 |
| 1,1'-Biphenyl, ... | 19.360 | 6.0     | ng/ul | 610095   | 5                     | 21.412 | 2045750 | 20.0 |
| 2,2',3,4',5-Pen... | 19.418 | 9.7     | ng/ul | 990169   | 5                     | 21.412 | 2045750 | 20.0 |
| 1,1'-Biphenyl, ... | 19.483 | 2.7     | ng/ul | 279253   | 5                     | 21.412 | 2045750 | 20.0 |
| 1,1'-Biphenyl, ... | 19.759 | 3.0     | ng/ul | 302749   | 5                     | 21.412 | 2045750 | 20.0 |
| 1,1'-Biphenyl, ... | 19.871 | 7.6     | ng/ul | 773077   | 5                     | 21.412 | 2045750 | 20.0 |
| 2,2',3,4,5,6-He... | 20.130 | 4.7     | ng/ul | 479246   | 5                     | 21.412 | 2045750 | 20.0 |
| 3,3',4,5,5'-Pen... | 20.183 | 6.2     | ng/ul | 629429   | 5                     | 21.412 | 2045750 | 20.0 |
| 2,3,3',5,5',6-H... | 20.407 | 3.0     | ng/ul | 308730   | 5                     | 21.412 | 2045750 | 20.0 |
| 1,1'-Biphenyl, ... | 20.495 | 2.4     | ng/ul | 240658   | 5                     | 21.412 | 2045750 | 20.0 |
| 2,2',3,5,6,6'-H... | 20.730 | 4.4     | ng/ul | 448946   | 5                     | 21.412 | 2045750 | 20.0 |
| Methadone N-oxide  | 21.577 | 6.4     | ng/ul | 653174   | 5                     | 21.412 | 2045750 | 20.0 |
| unknown-01         | 21.630 | 10.4    | ng/ul | 1059710  | 5                     | 21.412 | 2045750 | 20.0 |
| unknown-02         | 21.677 | 4.3     | ng/ul | 443411   | 5                     | 21.412 | 2045750 | 20.0 |
| unknown-03         | 21.706 | 3.6     | ng/ul | 372487   | 5                     | 21.412 | 2045750 | 20.0 |